

Project name:
Wurtsmith Air Force Base

Project ref:
60518528

From:
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Date:
January 31, 2020

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Memo

Subject: Preliminary Findings – Groundwater Flow Direction Evaluation East Side of Van Etten Lake

1. Introduction

This Technical Memorandum (TM) has been prepared to summarize the preliminary findings of the limited evaluation of groundwater levels northeast and east of Van Etten Lake, located northeast of the former Wurtsmith Air Force Base (WAFB) in Oscoda Township, Iosco County, Michigan (**Figure 1**). Except where discussed in this TM, the work was performed consistent with the June 6, 2018 Wurtsmith Air Force Base Work Plan (**Appendix A**) for Groundwater Flow Investigation, East of Van Etten Lake, Oscoda, Michigan, prepared by AECOM for the Michigan Department of Environment, Great Lakes & Energy (EGLE), formerly known as the Michigan Department of Environmental Quality (MDEQ). The overall objective of this evaluation is to improve the understanding of groundwater elevations and groundwater flow directions east of Van Etten Lake and the implications for fate, and transport, of low-level concentrations of per and polyfluoroalkyl substances (PFAS) detected in groundwater during EGLE investigations and residential sampling east of Van Etten Lake.

The evaluation of groundwater levels began in April 2018 in coordination with representatives of EGLE, who provided direction regarding the monitoring locations and duration of data collection. As of the date of this memorandum, data collection is ongoing. Additional information about the site background, methodology, and our findings is presented in the following sections.

2. Background

Since 2010, concentrations of compounds included in a class of emerging contaminants, PFAS, have been detected in samples of groundwater, surface-water, soil, sediment, and biota at and near WAFB. PFAS compounds have been detected in potable water wells beyond the WAFB property boundaries.

The detections of PFAS compounds outside the former base prompted EGLE to sample residential drinking water wells, municipal water supply wells, and to perform subsurface investigations. In 2017 and 2018, EGLE led investigations included the advancement of soil borings and installation of nested monitoring wells (i.e., multiple monitoring wells installed in the same location, but at different depths) to further understand and evaluate the nature and location of PFAS compounds in groundwater beyond the WAFB property boundaries. EGLE initiated the transducer study to evaluate groundwater elevation and flow directions off base, east of Van Etten Lake.

Concurrently, the Air Force has conducted phases of the PFOS/PFOA CERCLA Site Inspection on the former WAFB and has committed to complete a base-wide Remedial Investigation.

3. Evaluation

The evaluation of groundwater levels was conducted in general accordance with the scope of service and work plan approved by EGLE on April 4, 2018. The groundwater flow direction evaluation began in April 2018. Information about the methodology used during the evaluation is provided below.

3.1 Methodology

3.1.1 Installation of Data Loggers

In-Situ Level TROLL® 400 and Rugged TROLL® 100 Data Loggers (transducers) were installed in 1-inch and 2-inch diameter monitoring wells, respectively, located in the evaluation area (**Figure 1**). From April 2018 and mid-July 2019 fifteen (15) transducers have been utilized in twenty-one (21) locations.

One of these transducers was located in a stilling well near the Van Etten Lake Dam to measure the level of Van Etten Lake at that location.

The transducers were installed in monitoring wells screened in the upper portion of the aquifer and in some locations the deeper portion of the aquifer by using a stainless-steel cable to suspend the transducers in the water column. Five transducers were initially installed in the deeper of two monitoring wells that are part of a nested pair (RI-MW003, RI-MW005, RI-MW007, RI-MW008, and RI-MW009) northeast of Van Etten Lake, but were relocated in December 2018 to obtain groundwater elevation measurements in monitoring wells RI-MW032 through RI-MW036, located between Van Etten Lake and Lake Huron. The transducer installed in the stilling well at Van Etten Dam was removed in December of 2018, to avoid ice damage during the winter. To date, this transducer has not been reinstalled since being removed.

A summary of the data collection periods and information about the installation of the transducers (e.g., coordinates, transducer elevation, etc.) is provided in **Table 1**, and shown in **Figure 1**.

3.1.2 Data Collection

Each transducer was programmed to record a groundwater level measurement every six hours, to ensure daily groundwater fluctuations were captured. The site was visited periodically to download data files, and to inspect the installation and programming of transducers.

3.1.3 Data Correction

The transducers were designed to be non-vented; therefore, they measure absolute pressure, which is the sum of water depth pressure and atmospheric pressure. To correct for the atmospheric pressure recorded by the transducers, a barometric pressure transducer was placed in the well vault of RI-MW007, to record variations in atmospheric pressure at the same recording interval as the transducers installed in the monitoring wells. After downloading the raw (i.e., unprocessed) data from the transducers, the following steps were taken to correct the data and obtain groundwater elevations at each location:

1. Barometric pressure readings were converted from millimeters of mercury (mmHg) to feet of water (ft H₂O).
2. Converted barometric pressure readings (ft H₂O) were subtracted from transducer measured groundwater level measurements with corresponding date and time.
3. Corrected groundwater water depths were converted into groundwater elevations by adding the corrected depth of water measurements to the corresponding transducer elevation.

3.1.4 Cross Contamination and Confirmation Samples

To assess the potential for cross-contamination, quality assurance samples consisting of equipment blanks on the transducers and suspension wires were collected prior to installation activities. Additionally, the lab provided PFAS-free water, used for the equipment blanks, was also submitted for analysis. All equipment was decontaminated using an Alconox-water mixture and rinsed with lab provided PFAS-free water. A new pair of nitrile gloves were donned prior to handling data logging or sampling equipment, between decontamination and sampling activities, and prior to installing data logging equipment in the monitoring wells.

On April 10, 2018, four equipment blank samples were submitted to Vista Analytical Laboratories (Vista), of El Dorado Hills, California, for analysis using the PFAS Isotope Dilution Method (i.e., Modified United States Environmental Protection Agency Method 537) that included the EGLE recommended list of 24 PFAS compounds. Results are presented in **Table 2**. Analytical reports can be found in **Appendix A**.

Equipment blank samples collected from the transducers contained concentrations of Perfluorooctanoic Acid (PFOA), Perfluorobutanoic Acid (PFBA), Perfluorobutane Sulfonic Acid (PFBS), and Perfluoroheptanoic Acid (PFHpA) above the laboratory reporting limits. The stainless-steel suspension wire and control water samples had no detectable concentrations of analyzed PFAS compounds.

As a response to the PFAS compound detections in equipment blanks, AECOM mobilized personnel to remove and decontaminate previously installed transducers and suspension cables on May 14, 2018. Post transducer/suspension cable decontamination, a second set of equipment blanks were collected and submitted to Vista Analytical for analysis. Three samples were taken from the Rugged TROLL® 100s and two from the Level TROLL® 400s. Analytical results from these equipment blanks are presented in **Table 2**.

Following transducer removal, the monitoring wells were purged of ten well volumes of groundwater each. All purged water was containerized in 55-gallon drums and moved to a centralized storage area prior to characterization and disposal. After the well purge was completed, low-flow groundwater sampling protocol was used to collect confirmation groundwater samples. **Table 3** presents the analytical results from the confirmation groundwater samples. Analytical results indicate no impact to groundwater. In most cases concentrations of PFAS were lower, or similar to, previous sampling events. In cases where analytical results were higher than previous events, subsequent sampling events were lower, or similar to, events prior to transducer installation.

4. Preliminary Results

The evaluation period discussed in this memorandum includes data collected between April 2018 and mid-July 2019. The groundwater elevation data has been plotted for each transducer on **Figures 2** through **4**, to evaluate groundwater elevation trends for monitoring wells located near Van Etten Lake, between Van Etten Lake and Lake Huron, and near Cedar Lake.

Overall, the groundwater elevation data indicates that groundwater fluctuates over time, which was expected, and is indicative of groundwater conditions in a shallow aquifer. Groundwater elevations were observed to be highest in early March and into April as a result of recharge from snowmelt and precipitation, which averages approximately 31 inches annually in this region of Michigan, according to the Great Lakes Integrated Sciences and Assessment Center. Following the springtime highs, groundwater elevations decrease through the summer, fall, and winter. Groundwater recharge events (most likely precipitation) that occurred during the drier seasons are indicated by brief groundwater elevation increases, followed by relatively steady decreases, and are evident in most of the individual datasets.

Groundwater elevation data indicates little to no vertical (upwelling or downwelling) movement of groundwater in locations that had co-located transducers (one shallow well, one deep well).

Elevation data from Van Etten Lake indicates fluctuations over time in response to several factors. The most prominent is the artificial raising of the lake level (approximately 4-feet) in mid-April through mid-October. Snowmelt, and precipitation also contribute to lake level fluctuations, but data to correlate these events has not been collected at this time.

Groundwater elevation data obtained from monitoring wells DEQ-LD-MW003 and RI-MW007 appear to indicate patterns that correlate with the Van Etten Lake elevation patterns, particularly between April and November 2018, when the lake level was maintained at its highest elevations of the year, approximately one foot higher than the groundwater elevation in DEQ-LD-MW003. It is unclear if this correlation was evident after December 2018, since elevation measurements were not obtained from Van Etten Lake, as discussed above. The Van Etten Lake elevation patterns do not appear to correlate with data obtained from monitoring wells located further away from the lake, suggesting that the influence the lake may have on groundwater elevations is likely limited to within a few hundred feet of the shoreline, and may be dependent on the lake elevation and time of year.

Groundwater elevation contour maps were prepared using data provided in United States Geological Service (USGS) report 83-4002 entitled Ground-Water Contamination at Wurtsmith Air Force Base, Michigan, dated 1983 (**Figure 5**) to compare historical groundwater flow direction information with information from December 2018 (**Figure 6**) and July 2019 (**Figure 7**). Overall, the groundwater flow directions appear to be similar between each of the three plotted time periods, with an apparent groundwater divide that is located south of Cedar Lake and continues south between Van Etten Lake and Lake Huron. Groundwater appears to flow toward Lake Huron in the eastern portion of the evaluation area, and toward Van Etten Lake in the western portion.

5. Preliminary Conclusions and Data Gaps

Based on the discussion in **Section 4** the following preliminary conclusions and data gaps are presented:

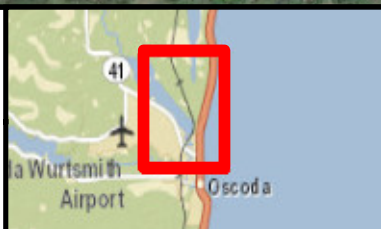
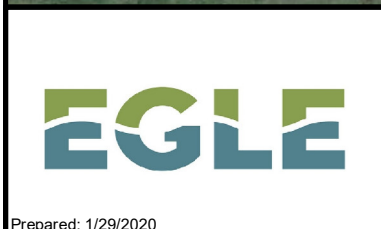
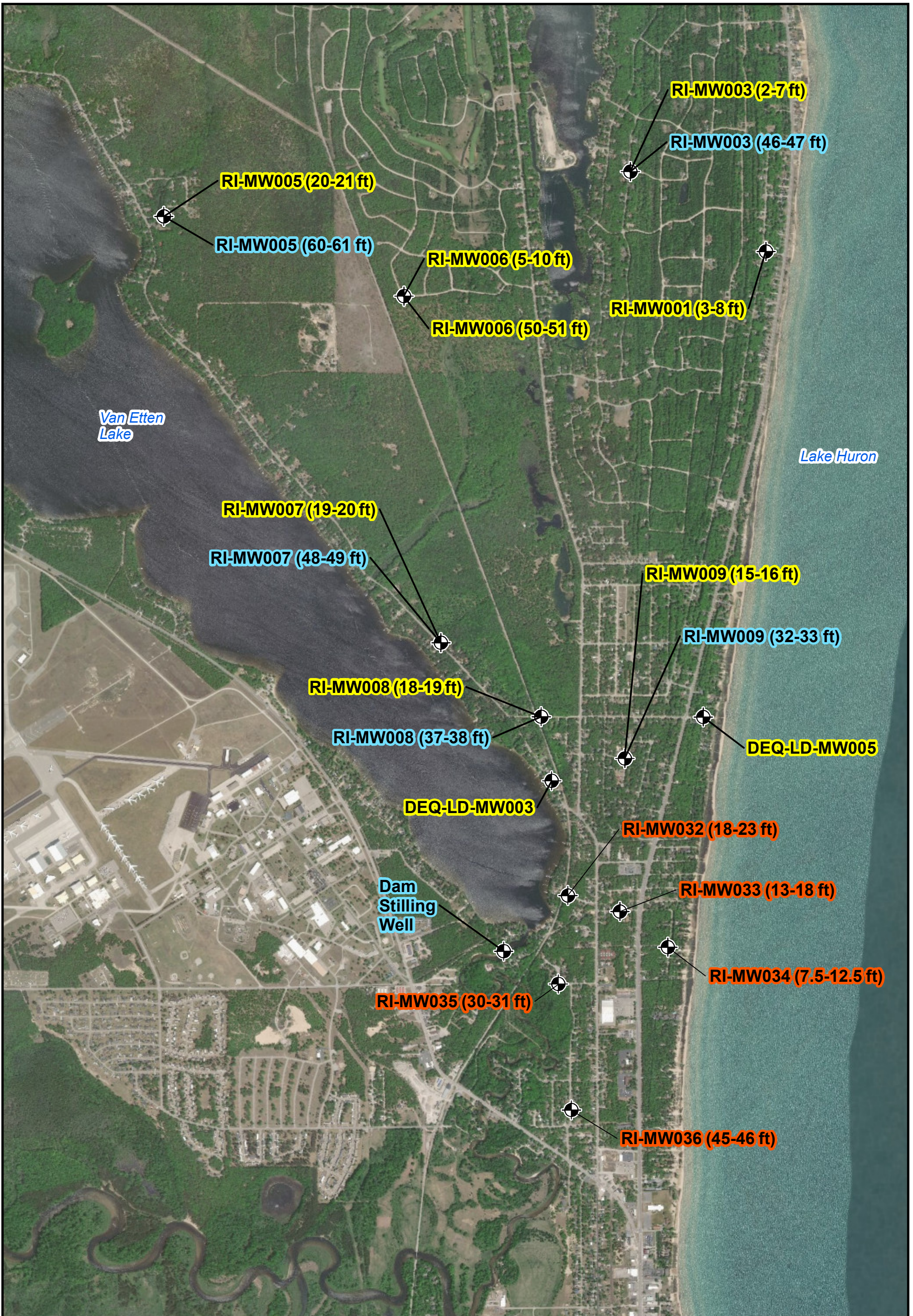
- 1) Overall groundwater conditions on the east side of the lake are similar to the previous 1983 USGS report. A groundwater divide is located south of Cedar Lake that extends south between Van Etten Lake and Lake Huron. Groundwater appears to flow toward Lake Huron in the eastern portion of the evaluation area, and toward Van Etten Lake in the western portion (**Figures 5-7**).
- 2) Groundwater elevation data obtained from two monitoring wells (DEQ-LD-MW003 and RI-MW007) that are located within a few hundred feet of the southeastern end of Van Etten Lake appear to correlate with lake elevation patterns (**Figure 2**), especially when the lake is highest from April through October. This is also similar to findings from the previous 1983 USGS report and suggests interaction between groundwater and surface-water (i.e. surface-water discharging into groundwater and/or vice versa). However, this assumes that the measuring point at Van Etten Dam is representative of elevation throughout the entire lake, and the two groundwater monitoring points (DEQ-LD-MW003 and RI-MW007) are representative of groundwater elevations along the entire southeastern nearshore area.

Additional data would be needed to determine the nature of groundwater surface-water interaction along this southeastern nearshore zone. Additional data would also help understand how groundwater-surface-water interaction is distributed spatially and temporally along the southeastern end of Van Etten Lake. This would also help understand the fate and transport of PFAS detected in groundwater along this nearshore zone.

- 3) Based on groundwater conditions described in this TM, combined with conclusions from the 1983 USGS report, detections of PFAS in groundwater east of Van Etten Lake do not appear to be from contaminated groundwater flow from the former Wurtsmith Air Force Base, under Van Etten Lake, to groundwater on the east side of the lake.

The cause of PFAS detected in groundwater east of Van Etten Lake is currently undetermined. Additional data would be needed to identify the nature and ultimately fate and transport of these detections.

Figures



Time Installed

- **APRIL 2018 - PRESENT**
- **APRIL 2018 - DECEMBER 2018**
- **DECEMBER 2018 - PRESENT**

0 0.25 0.5 Miles

FIGURE 1
TRANSDUCER LOCATIONS
FORMER WURTSMITH
AIR FORCE BASE &
OSCODA AREA
IOSCO COUNTY,
MICHIGAN

Figure 2 - Hydrographs Near Van Etten Lake

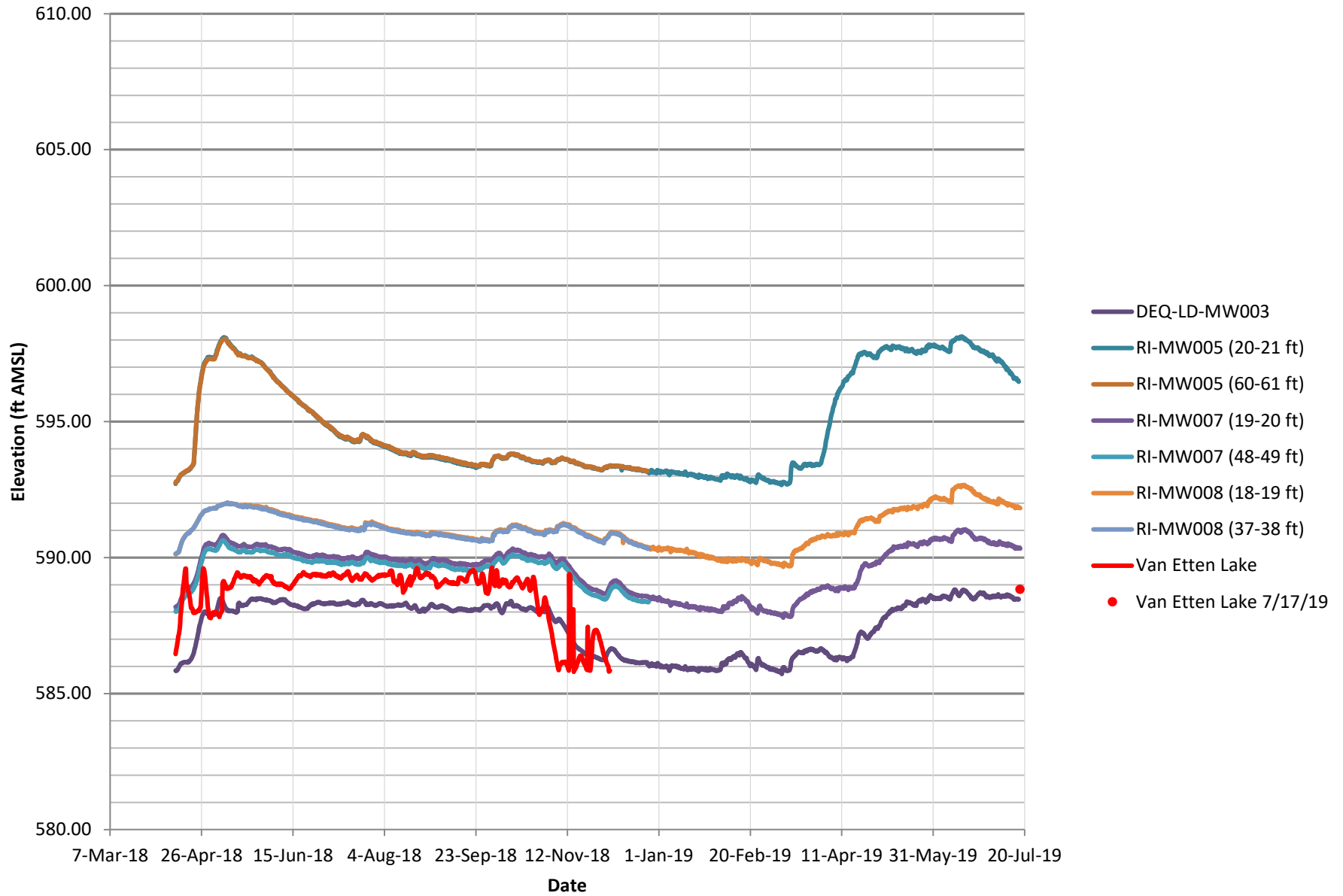


Figure 3 - Hydrographs Between Van Etten Lake and Lake Huron

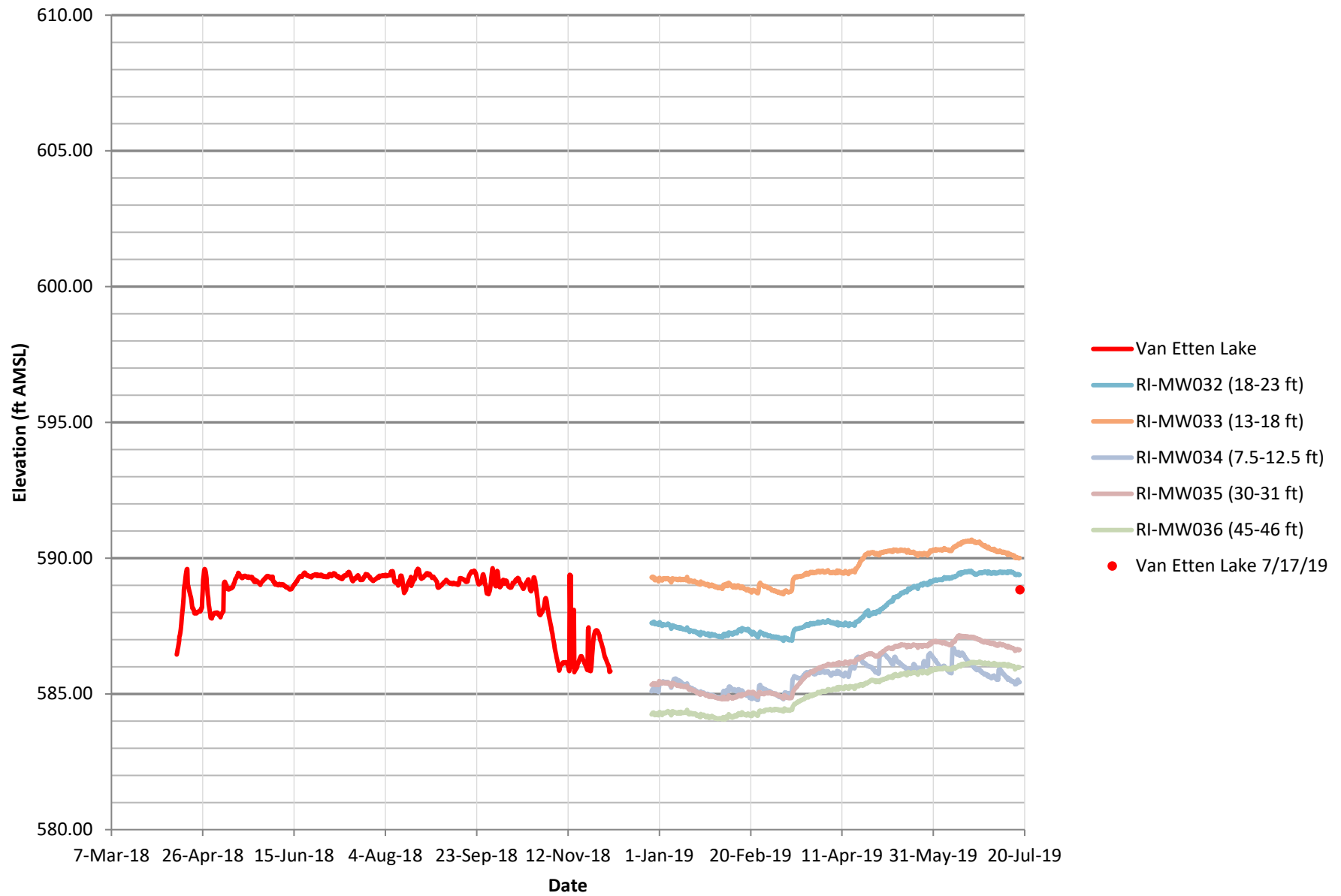
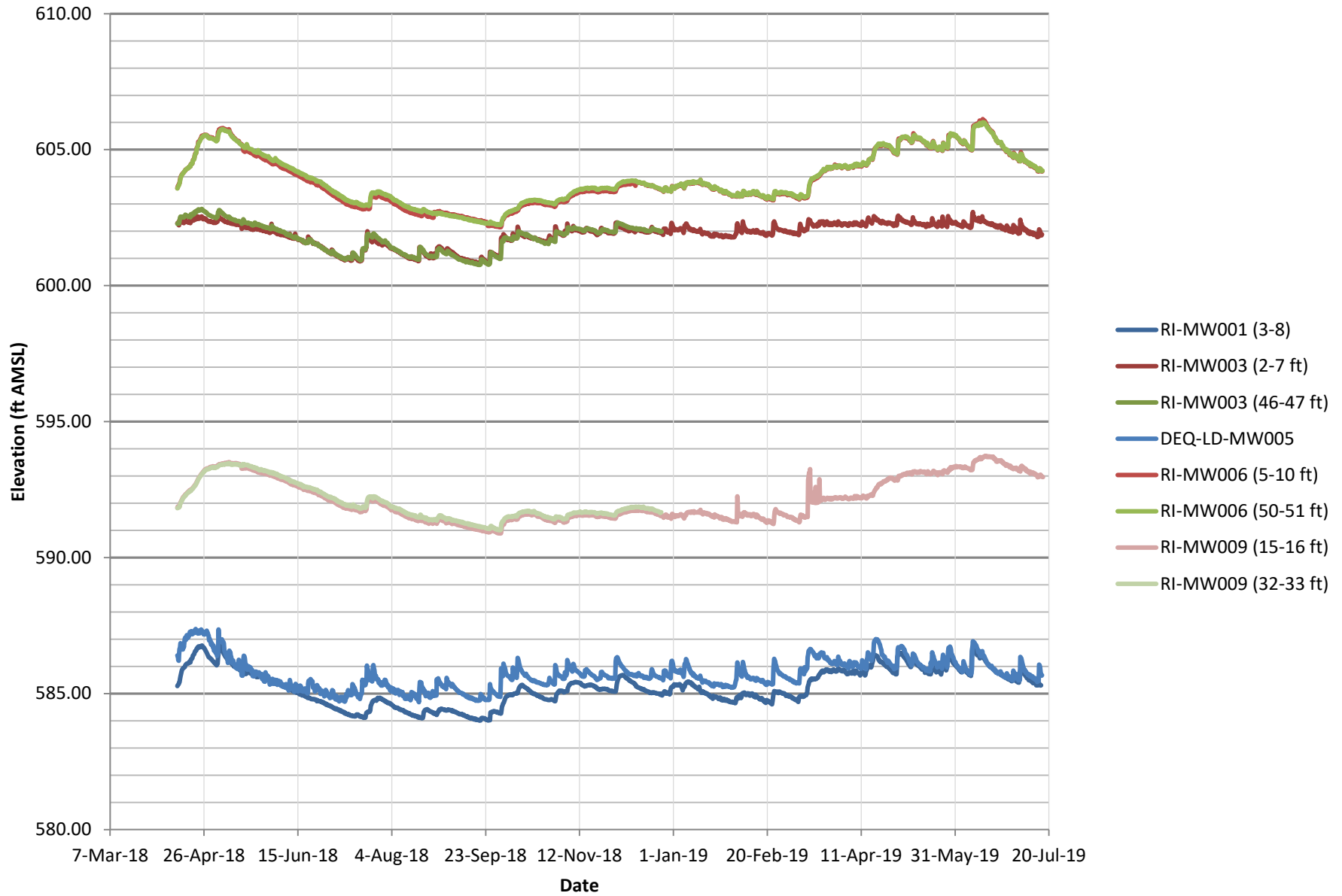


Figure 4 - Hydrographs Near Cedar Lake



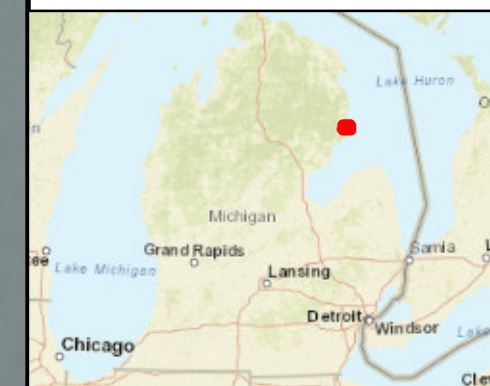
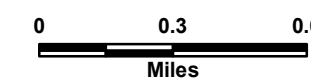
Legend

- Groundwater Elevation Contours
- · - Apparent Groundwater
- ➔ Groundwater Flow Direction



FIGURE 5
USGS 1983
GROUNDWATER
CONTOURS

FORMER WURTSMITH
AIR FORCE BASE &
OSCODA AREA
IOSCO COUNTY,
MICHIGAN



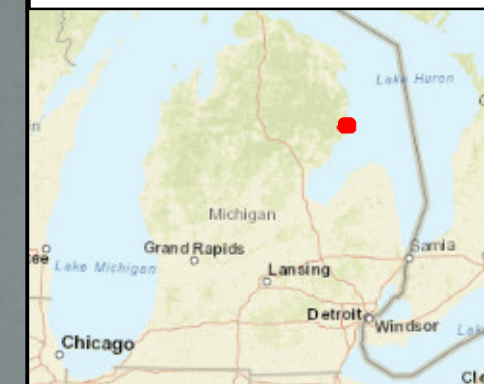
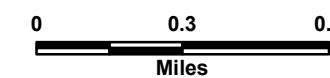
Legend

- Groundwater Elevation Contours
- Apparent Groundwater
- Groundwater Flow Direction






FIGURE 6
DECEMBER 12, 2018
GROUNDWATER
CONTOURS

FORMER WURTSMITH
AIR FORCE BASE &
OSCODA AREA
IOSCO COUNTY,
MICHIGAN



Legend

-  Groundwater Elevation Contours
-  Apparent Groundwater Divide
-  Groundwater Flow Direction

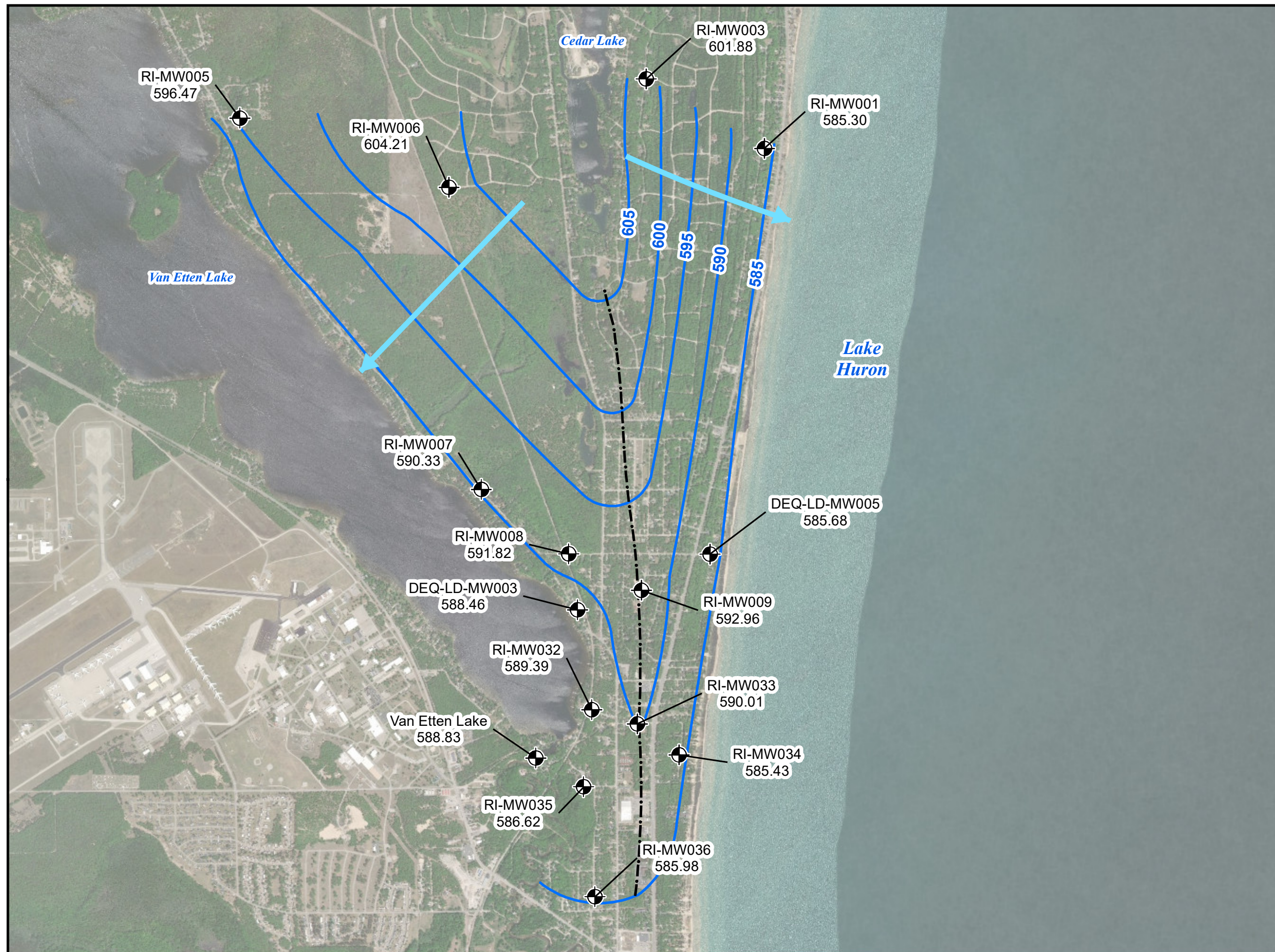
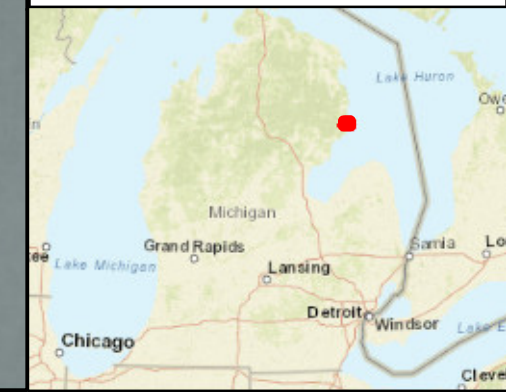
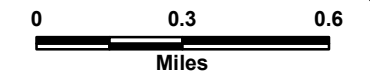


FIGURE 7
JULY 17, 2019
GROUNDWATER
CONTOURS

FORMER WURTSMITH
AIR FORCE BASE &
OSCODA AREA
IOSCO COUNTY,
MICHIGAN



Tables

Table 1
 Transducer Installation Details
 Former Wurtsmith Air Force Base and Oscoda Area
 60518528

Well ID	Easting*	Northing*	TOC (ft)	Depth to Data Logger (ft btoc)	Data Logger Elevation (ft)	Data Logging Status
GSU-MW003 (11-16 ft)	19954102.38	417604.49	597.29	14.75	582.54	April 2018 - Present
GSU-MW005 (5-10 ft)	19956994.39	418830.25	586.64	8.67	577.97	April 2018 - Present
RI-MW001 (3-8 ft)	19958183.15	427770.54	588.71	6.68	582.03	April 2018 - Present
RI-MW003 (2-7 ft)	19955589.66	429298.8221	602.90	5.42	597.48	April 2018 - Present
RI-MW003 (46-47 ft)	19955589.66	429298.8221	602.96	18.80	584.16	April 2018 - December 2018
RI-MW005 (20-21 ft)	19946663.17	428439.4657	601.75	18.93	582.82	April 2018 - Present
RI-MW005 (60-61 ft)	19946663.17	428439.4657	601.84	18.96	582.88	April 2018 - December 2018
RI-MW006 (5-10 ft)	19951256.24	426915.5963	607.72	7.75	599.57	April 2018 - Present
RI-MW006 (50-51 ft)	19951256.24	426915.5963	607.70	18.81	588.89	April 2018 - Present
RI-MW007 (19-20 ft)	19951964.99	420278.74	597.70	17.53	580.17	April 2018 - Present
RI-MW007 (48-49 ft)	19951964.99	420278.74	597.67	18.70	578.97	April 2018 - December 2018
RI-MW008 (18-19 ft)	19953882.48	418861.03	596.99	16.03	580.96	April 2018 - Present
RI-MW008 (37-38 ft)	19953882.48	418861.03	597.01	17.43	579.58	April 2018 - December 2018
RI-MW009 (15-16 ft)	19955482.94	418064.53	598.30	15.12	583.18	April 2018 - Present
RI-MW009 (32-33 ft)	19955482.94	418064.53	598.29	16.30	581.99	April 2018 - December 2018
Dam	19953193.99	414317.74	600.71**	--	--	April 2018 - December 2018
RI-MW032 (18-23 ft)	19954377.17	415479.93	604.27	20	584.27	December 2018 - Present
RI-MW033 (13-18 ft)	19955469.01	415128.57	598.79	14.88	583.91	December 2018 - Present
RI-MW034 (7.5-12.5 ft)	19956312.67	414449.71	589.18	10	579.18	December 2018 - Present
RI-MW035 (30-31 ft)	19954222.06	413740.33	609.04	28	581.04	December 2018 - Present
RI-MW036 (45-46 ft)	19954427.97	411242.65	614.44	40	574.44	December 2018 - Present

TOC = Top of Casing

btoc = Below Top of Casing

* - State Plane Michigan Central, International Feet

** - Elevation of Van Etten Dam measuring point.

Table 2
 Equipment Blank PFAS Sample Analytical Data
 Former Wurtsmith Air Force Base and Oscoda Area
 Oscoda Township, Michigan
 60518528

Sample Location Date Sampled	Pre-Installation Equipment Blank Samples				Post-Installation Equipment Blank Samples				
	CONTROL WATER 4/6/2018	RUGGED TROLL 100 4/6/2018	LEVEL TROLL 400 4/6/2018	SUSPENSION WIRE 4/6/2018	RUGGED TROLL 100 DAM STILLING WELL 5/16/2018	RUGGED TROLL 100 DEQ-LD-MW003 5/16/2018	RUGGED TROLL 100 DEQ-LD-MW005 5/16/2018	LEVEL TROLL 400 RI-MW009 (15-16) 5/16/2018	LEVEL TROLL 400 RI-MW009 (32-33) 5/16/2018
PFBA	ND	0.80	ND	ND	ND	ND	0.95	ND	ND
PFPeA	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFHxA	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFHpA	ND	ND	2.46	ND	ND	ND	ND	ND	ND
PFOA	ND	14.50	70.50	ND	ND	ND	3.28	ND	ND
PFNA	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFDA	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFUnA	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFDoA	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFTTrDA	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFTeDA	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFHxDA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PFODA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PFDS	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFBS	ND	8.44	ND	ND	0.99	1.58	5.92	ND	ND
PFPeS	N/A	N/A	N/A	N/A	ND	ND	ND	ND	ND
PFHxS	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFHpS	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFNS	N/A	N/A	N/A	N/A	ND	ND	ND	ND	ND
PFOSA	ND	ND	ND	ND	ND	ND	ND	ND	ND
4:2 FTS	N/A	N/A	N/A	N/A	ND	ND	ND	ND	ND
6:2 FTS	ND	ND	ND	ND	ND	10.90	ND	ND	15.10
8:2 FTS	ND	ND	ND	ND	ND	ND	ND	ND	ND
EtFOSAA	N/A	N/A	N/A	N/A	ND	ND	ND	ND	ND
MeFOSAA	N/A	N/A	N/A	N/A	ND	ND	ND	ND	ND
PFOA+PFOS	ND	14.50	70.50	ND	ND	ND	3.28	ND	ND
Total PFAS	ND	23.74	72.96	ND	0.99	12.48	10.15	ND	15.10

Notes:
 ND - Below detection limit
 N/A - Not Analyzed
 All results reported in ng/L

Table 3
 Monitoring Well PFAS Analytical Data
 Former Wurtsmith Air Force Base and Oscoda Area
 Oscoda Township, Michigan
 60518528

Sample Location Date Sampled PFAS Compound	RI-MW001 (3-8) 5/18/2018	RI-MW003 (2-7) 5/18/2018	RI-MW003 (46-47) 5/18/2018	DEQ-LD-MW003 5/18/2018	RI-MW005 (20-21) 5/17/2018	RI-MW005 (60-61) 5/17/2018	DEQ-LD-MW005 5/16/2018	RI-MW006 (5-10) 5/17/2018	RI-MW006 (50-51) 5/17/2018	RI-MW007 (19-20) 5/17/2018	RI-MW007 (48-49) 5/17/2018	RI-MW008 (18-19) 5/17/2018	RI-MW008 (37-38) 5/17/2018	RI-MW009 (15-16) 9/26/2018	RI-MW009 (32-33) 5/18/2018
PFBA	2.96	5.41	0.93	1.28	0.54	ND	15.90	ND	ND	ND	1.14	1.07	3.41	2.46	3.85
PFPeA	ND	8.77	ND	2.67	ND	ND	3.30	ND	ND	ND	ND	1.54	1.79	ND	4.05
PFHxA	1.22	9.82	ND	3.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.99
PFHpA	ND	2.50	ND	0.70	ND	ND	ND	ND	ND	ND	ND	0.83	0.83	ND	1.27
PFOA	2.39	8.38	ND	3.07	ND	ND	3.58	ND	ND	ND	ND	4.40	0.65	ND	3.13
PFNA	ND	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFDA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFUnA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFDoA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFTTrDA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFTeDA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFHxDA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PFODA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PFDS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFBS	19.70	2.40	ND	1.10	ND	ND	7.16	ND	ND	ND	ND	ND	1.46	5.81	4.24
PFPeS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.58	ND	ND
PFHxS	1.09	3.89	ND	2.38	ND	ND	5.24	ND	ND	ND	ND	4.21	2.21	ND	9.14
PFHpS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFOS	2.33	3.41	ND	0.60	ND	ND	3.26	ND	ND	ND	ND	1.13	ND	ND	ND
PFNS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFOSA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4:2 FTS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6:2 FTS	ND	ND	ND	ND	ND	11.60	ND	ND	ND	ND	ND	ND	ND	ND	ND
8:2 FTS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EtFOSAA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MeFOSAA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFOA+PFOS	4.72	11.79	0.00	3.67	0.00	0.00	6.84	0.00	0.00	0.00	0.00	5.53	0.65	--	3.13
Total PFAS	29.69	45.26	0.93	15.73	0.54	11.60	38.44	0.00	0.00	0.00	1.14	13.18	11.93	8.27	30.67

Notes:
 ND - Below detection limit
 N/A - Not Analyzed
 All results reported in ng/L

Appendix A –Groundwater Flow Investigation, East of Van Etten Lake Work Plan

Wurtsmith Air Force Base
Work Plan for Groundwater
Flow Investigation,
East of Van Etten Lake

Oscoda, Michigan

June 6, 2018

Prepared for:

Michigan Department of Environmental Quality
Remediation and Redevelopment Division
Geology and Defense Site Management Unit
525 W. Allegan Street
Lansing, Michigan 48933

Prepared by:

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1. Introduction

AECOM understands that the Michigan Department of Environmental Quality (MDEQ) is the regulatory authority in charge of protection of human health and the environment with regard to contamination present at and migrating from the former Wurtsmith Air Force Base (WAFB). Since 2010 an emerging contaminant class, per and polyfluoroalkyl substances (PFAS), has been found in groundwater, surface water, soil, sediments and biota at WAFB. PFAS have also been found in potable water wells outside the former WAFB boundaries across Van Etten Lake, Au Sable River, Van Etten Creek, and north of the former base. The impact of various media within the base and off base boundaries has resulted in “Do Not Eat” fish advisories at Clark’s Marsh, lower Au Sable River, and Van Etten Creek.

The detection of PFAS outside the former base prompted MDEQ to sample residential drinking water wells, municipal water supply wells, and to perform subsurface investigations.

AECOM completed oversight of drilling activities which were performed as part of a Remedial Investigation (RI). These RI activities extended the understanding of the nature and extent of PFCs in groundwater and contaminant flow paths outside of the areas previously investigated, including installation of additional soil borings and installation of nested monitoring wells. The MDEQ requested AECOM to prepare a work plan and cost estimate for additional investigation activities related to groundwater east of Van Etten Lake. The general goal of the additional investigation is to provide a better understanding of the nature and extent of the contamination.

1.1 Objectives

The overall objective of this work plan is to install pressure transducers in groundwater monitoring wells to understand the temporal and spatial groundwater flow regime east and north of Van Etten Lake. This information will improve understanding of the fate, transport, and possible source or sources of low-level PFAS concentrations detected in groundwater during the RI and residential sampling east of Van Etten Lake. The transducer installation locations specified in this work plan are based in part on previous regional studies of groundwater.

The specific objectives of this work are to:

1. Install pressure transducers in strategic groundwater monitoring well locations east of Van Etten Lake.
2. Install a pressure transducer in a stilling well near Van Etten Lake Dam to measure the lake levels over time.
3. Use data from pressure transducers to create a conceptual groundwater flow regime for the area east of Van Etten Lake.

AECOM will review and update (as necessary) the existing Health and Safety Plan (HASP) that was previously prepared for use during on site activities by AECOM’s staff.

AECOM understands that the specific activities requested may vary and is prepared to accomplish these activities as agreed upon in the future between AECOM and the MDEQ.

2. SCOPE OF WORK

The scope of work includes these tasks:

- Installation of pressure transducers in groundwater monitoring wells;
- Installation of a stilling well with pressure transducer near Van Etten Lake Dam;
- Pressure transducer data download every two (2) months; and
- Reporting.

2.1 Transducer Installation

AECOM will install pressure transducers in nine (9) existing groundwater monitoring wells (**Figure 1**). Seven (7) of these monitoring wells are nested wells installed during the RI, the remaining two (2) wells are MDEQ GSU wells installed in 2016. In each of the nested wells, two transducers will be installed, one in a shallow well and one in a deep well to monitor vertical flow within the aquifer. The GSU wells will only have one transducer installed. **Table 1** lists the number of transducers proposed per location and the screen interval for each monitoring well.

Table 1. Transducers Proposed per Location and Screen Interval

Location	Number of Transducers Installed	1 st Transducer Well Screen Interval	2 nd Transducer Well Screen Interval
DEQ-LD-MW3	1	11-16	--
DEQ-LD-MW5	1	5-10	--
RI17-MW-1	1	3-8	
RI17-MW-3	2	2-7	46-47
RI17-MW-5	2	20-21	60-61
RI17-MW-6	2	5-10	50-51
RI17-MW-7	2	19-20	48-49
RI17-MW-8	2	18-19	37-38
RI17-MW-9	2	15-16	32-33
Dam Stilling Well	1		

A stilling well will be installed near Van Etten Dam at an easily accessible location to record the lake elevations over time. A survey point on the dam, measured in the fall of 2017, will be used to correlate the transducer data to lake surface water elevation.

All transducers will be set to record one data point every six (6) hours (i.e., 00:00, 06:00, 12:00, and 18:00). This will insure that groundwater fluctuations as short as diurnal will be captured, yet allow the amount of data stored and processed, to be manageable.

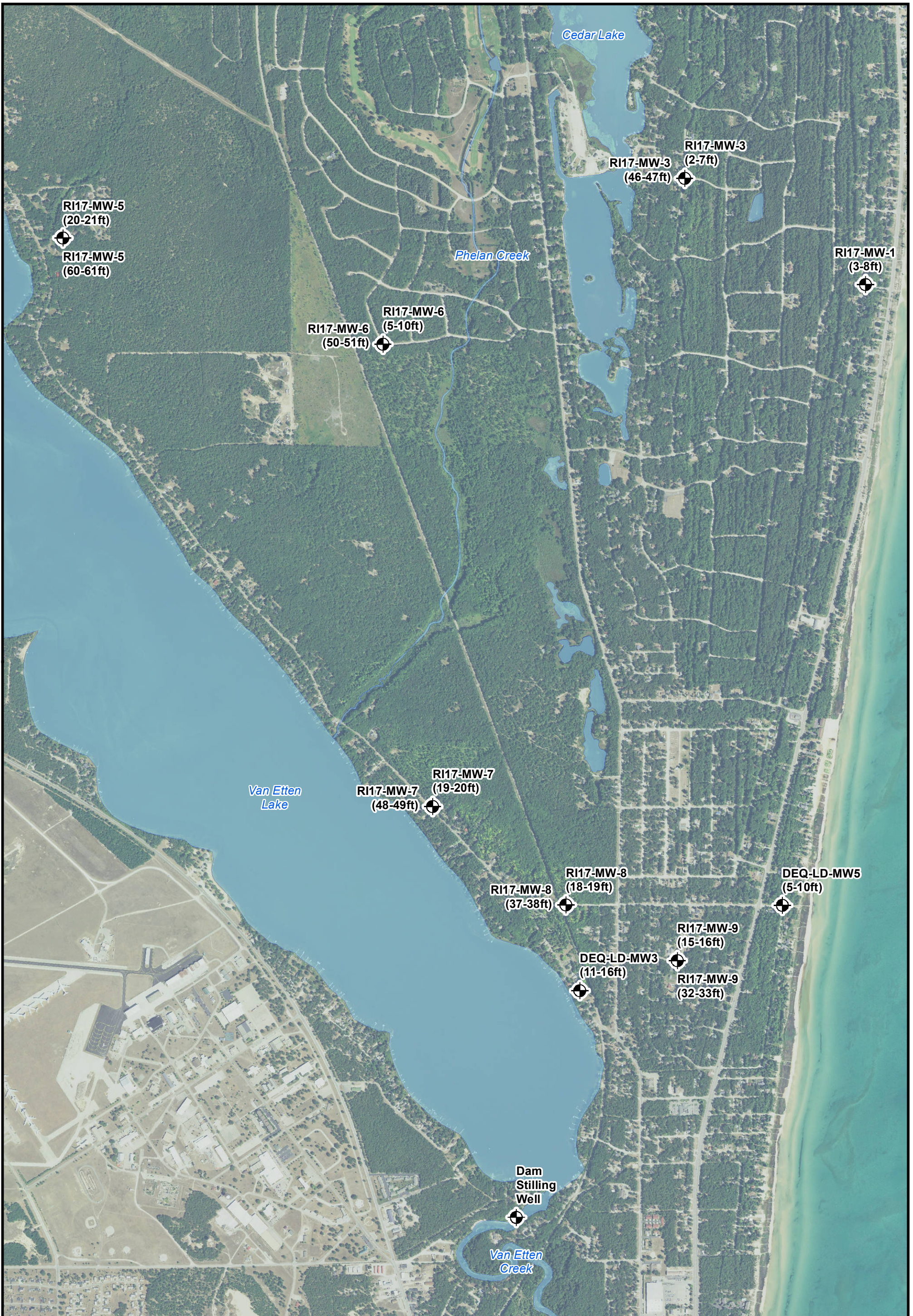
2.2 Data Retrieval

AECOM proposes to retrieve data every eight (8) weeks, or after a major hydrologic event (e.g. Lake level rise or fall, large storm event). It is anticipated that the pressure transducers will be used to record data for at a minimum of one year. The transducer installed in the Van Etten Lake stilling well will be removed toward the end of fall to prevent it from being damaged or destroyed by ice.

2.3 Reporting

AECOM will prepare a quarterly Technical Memorandum (TM) presenting the collected transducer data. The TMs include limited discussion and interpretation of the data and will not include any recommendations. The TMs will document the field activities and evaluate the results, including figures, charts and data tables.

Figure



RI17-MW-5
(20-21ft)

RI17-MW-5
(60-61ft)

RI17-MW-6
(50-51ft)

RI17-MW-6
(5-10ft)

RI17-MW-7
(48-49ft)

RI17-MW-7
(19-20ft)

RI17-MW-8
(37-38ft)

RI17-MW-8
(18-19ft)

DEQ-LD-MW3
(11-16ft)

RI17-MW-9
(15-16ft)

RI17-MW-9
(32-33ft)

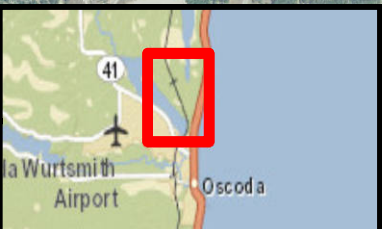
DEQ-LD-MW5
(5-10ft)

RI17-MW-3
(2-7ft)

RI17-MW-3
(46-47ft)

RI17-MW-1
(3-8ft)

Dam
Stilling
Well



Legend

Pressure Transducer Installation Locations

Surface Water



0 0.25 0.5 Miles

FIGURE 1
TRANSDUCER LOCATIONS
FORMER WURTSMITH
AIR FORCE BASE
IOSCO COUNTY,
MICHIGAN

AECOM
3950 Sparks Drive Southeast
Grand Rapids, MI 49546
aecom.com

Appendix B – Analytical Results

May 02, 2018

Vista Work Order No. 1800644

Ms. Maya Murshak
Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Dear Ms. Murshak,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on April 10, 2018. This sample set was analyzed on a standard turn-around time, under your Project Name 'Wurtsmith AFB PFAS'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1800644

Case Narrative

Sample Condition on Receipt:

Four aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

PFAS Isotope Dilution Method

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method (Modified EPA Method 537).

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ. The OPR recoveries of PFHpS and PFDS were >130%. The analytes were not detected in the samples. All other OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1800644-01	EB0406181400	06-Apr-18 14:00	10-Apr-18 09:32	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1800644-02	EB0406181410	06-Apr-18 14:10	10-Apr-18 09:32	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1800644-03	EB0406181420	06-Apr-18 14:20	10-Apr-18 09:32	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1800644-04	EB0406181430	06-Apr-18 14:30	10-Apr-18 09:32	HDPE Bottle, 250 mL HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank **PFAS Isotope Dilution Method**

Client Data					Laboratory Data					
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	B8D0071-BLK1	Column:	BEH C18			
Project:	Wurtsmith AFB PFAS									

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.365	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFPeA	ND	0.640	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFBS	ND	0.895	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFHxA	ND	1.09	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFHpA	ND	0.296	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFHxS	ND	0.474	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
Br-PFHxS	ND	0.474	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
Total PFHxS	ND	0.474	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-6:2 FTS	ND	1.00	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFOA	ND	0.575	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
Br-PFOA	ND	0.575	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
Total PFOA	ND	0.575	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFHpS	ND	0.469	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFNA	ND	0.405	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFOS	ND	0.404	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
Br-PFOS	ND	0.404	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
Total PFOS	ND	0.404	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFDA	ND	0.745	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-8:2FTS	ND	1.03	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-MeFOSAA	ND	0.825	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-EtFOSAA	ND	0.685	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFOSA	ND	0.885	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFUnA	ND	0.525	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFDS	ND	0.615	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFDoA	ND	0.396	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFTrDA	ND	0.247	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFTeDA	ND	0.378	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-4:2 FTS	ND	1.37	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFPeS	ND	1.37	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
L-PFNS	ND	1.37	2.50	4.00		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.5	60 - 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C3-PFPeA	IS	90.4	60 - 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C3-PFBS	IS	113	60 - 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C2-PFHxA	IS	92.2	70 - 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C4-PFHpA	IS	94.7	60 - 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
18O2-PFHxS	IS	92.1	60 - 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C2-PFOA	IS	96.6	60 - 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1

Sample ID: Method Blank **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	B8D0071-BLK1	Column:	BEH C18
Project:	Wurtsmith AFB PFAS						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	93.5	60 - 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C5-PFNA	IS	87.1	50 - 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C2-PFDA	IS	78.3	60 - 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C8-PFOSA	IS	52.6	20 - 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
d3-MeFOSAA	IS	69.9	50 - 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C2-PFUnA	IS	75.9	60 - 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
d5-EtFOSAA	IS	72.0	50 - 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C2-PFDoA	IS	72.6	30 - 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1
13C2-PFTeDA	IS	84.0	20 - 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:41	1

DL - Detection Limit

LOD - Limit of Detection

LCL-UCL- Lower control limit - upper control limit

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	B8D0071-BS1	Column:	BEH C18
Project:	Wurtsmith AFB PFAS						

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	44.0	40.0	110	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFPeA	42.3	40.0	106	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFBS	43.2	40.0	108	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFHxA	41.4	40.0	103	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFHpA	43.2	40.0	108	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
Total PFHxS	47.1	40.0	118	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-6:2 FTS	44.4	40.0	111	60-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
Total PFOA	47.3	40.0	118	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFHpS	53.0	40.0	133	60-130	H	B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFNA	45.1	40.0	113	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
Total PFOS	43.0	40.0	107	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFDA	40.5	40.0	101	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-8:2FTS	44.7	40.0	112	60-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-MeFOSAA	45.2	40.0	113	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-EtFOSAA	42.6	40.0	107	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFOSA	46.3	40.0	116	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFUnA	42.2	40.0	105	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFDS	54.4	40.0	136	60-130	H	B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFDoA	38.9	40.0	97.2	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFTrDA	42.0	40.0	105	60-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFTeDA	47.8	40.0	120	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-4:2 FTS	40.4	40.0	101	60-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFPeS	42.5	40.0	106	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
L-PFNS	46.8	40.0	117	70-130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.4	60- 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C3-PFPeA	IS	93.8	60- 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C3-PFBS	IS	114	60- 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C2-PFHxA	IS	94.8	70- 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C4-PFHpA	IS	96.5	60- 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
18O2-PFHxS	IS	83.0	60- 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C2-PFOA	IS	88.7	60- 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C8-PFOS	IS	91.8	60- 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C5-PFNA	IS	82.4	50- 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C2-PFDA	IS	75.1	60- 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data

Name: Merit Laboratories, Inc.
Project: Wurtsmith AFB PFAS

Matrix: Aqueous

Laboratory Data

Lab Sample: B8D0071-BS1 Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOSA	IS	52.3	20- 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
d3-MeFOSAA	IS	76.7	50- 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C2-PFUnA	IS	82.5	60- 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
d5-EtFOSAA	IS	86.3	50- 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C2-PFDoA	IS	76.2	30- 130		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1
13C2-PFTeDA	IS	88.1	20- 150		B8D0071	12-Apr-18	0.250 L	19-Apr-18 22:30	1

Sample ID: EB-0406181400

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1800644-01	Column:	BEH C18
Project:	Wurtsmith AFB PFAS	Date Collected:	06-Apr-18 14:00	Date Received:	10-Apr-18 09:32		
Location:	SUSPENSION WIRE						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.353	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFPeA	ND	0.620	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFBS	ND	0.867	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFHxA	ND	1.06	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFHpA	ND	0.286	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFHxS	ND	0.459	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
Br-PFHxS	ND	0.459	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
Total PFHxS	ND	0.459	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-6:2 FTS	ND	0.969	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFOA	ND	0.557	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
Br-PFOA	ND	0.557	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
Total PFOA	ND	0.557	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFHpS	ND	0.454	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFNA	ND	0.392	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFOS	ND	0.391	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
Br-PFOS	ND	0.391	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
Total PFOS	ND	0.391	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFDA	ND	0.722	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-8:2FTS	ND	0.998	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-MeFOSAA	ND	0.799	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-EtFOSAA	ND	0.664	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFOSA	ND	0.857	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFUnA	ND	0.509	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFDS	ND	0.596	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFDoA	ND	0.384	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFTrDA	ND	0.239	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFTeDA	ND	0.366	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-4:2 FTS	ND	1.33	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFPeS	ND	1.33	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
L-PFNS	ND	1.33	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.0	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C3-PFPeA	IS	98.2	60 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C3-PFBS	IS	99.3	60 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C2-PFHxA	IS	98.3	70 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C4-PFHpA	IS	101	60 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
18O2-PFHxS	IS	94.9	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C2-PFOA	IS	100	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1

Sample ID: EB-0406181400 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1800644-01	Column:	BEH C18
Project:	Wurtsmith AFB PFAS	Date Collected:	06-Apr-18 14:00	Date Received:	10-Apr-18 09:32		
Location:	SUSPENSION WIRE						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	106	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C5-PFNA	IS	86.0	50 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C2-PFDA	IS	77.6	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C8-PFOSA	IS	72.5	20 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
d3-MeFOSAA	IS	77.7	50 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C2-PFUnA	IS	74.1	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
d5-EtFOSAA	IS	78.1	50 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C2-PFDoA	IS	77.4	30 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1
13C2-PFTeDA	IS	76.3	20 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 22:53	1

DL - Detection Limit

LOD - Limit of Detection

LCL-UCL- Lower control limit - upper control limit

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: EB-0406181410

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1800644-02	Column:	BEH C18
Project:	Wurtsmith AFB PFAS	Date Collected:	06-Apr-18 14:10	Date Received:	10-Apr-18 09:32		
Location:	RUGGED TROLL 100						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	0.799	0.353	2.42	3.87	J	B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFPeA	ND	0.620	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFBS	8.44	0.867	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFHxA	ND	1.06	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFHpA	ND	0.286	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFHxS	ND	0.459	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
Br-PFHxS	ND	0.459	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
Total PFHxS	ND	0.459	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-6:2 FTS	ND	0.969	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFOA	8.00	0.557	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
Br-PFOA	6.45	0.557	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
Total PFOA	14.5	0.557	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFHpS	ND	0.454	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFNA	ND	0.392	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFOS	ND	0.391	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
Br-PFOS	ND	0.391	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
Total PFOS	ND	0.391	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFDA	ND	0.722	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-8:2FTS	ND	0.998	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-MeFOSAA	ND	0.799	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-EtFOSAA	ND	0.663	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFOSA	ND	0.857	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFUnA	ND	0.508	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFDS	ND	0.596	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFDoA	ND	0.384	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFTrDA	ND	0.239	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFTeDA	ND	0.366	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-4:2 FTS	ND	1.33	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFPeS	ND	1.33	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
L-PFNS	ND	1.33	2.42	3.87		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.1	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C3-PFPeA	IS	89.7	60 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C3-PFBS	IS	100	60 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C2-PFHxA	IS	89.5	70 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C4-PFHpA	IS	95.7	60 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
18O2-PFHxS	IS	107	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C2-PFOA	IS	88.3	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1

Sample ID: EB-0406181410 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1800644-02	Column:	BEH C18
Project:	Wurtsmith AFB PFAS	Date Collected:	06-Apr-18 14:10	Date Received:	10-Apr-18 09:32		
Location:	RUGGED TROLL 100						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	94.0	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C5-PFNA	IS	89.7	50 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C2-PFDA	IS	79.0	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C8-PFOSA	IS	70.5	20 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
d3-MeFOSAA	IS	72.7	50 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C2-PFUnA	IS	77.0	60 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
d5-EtFOSAA	IS	73.4	50 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C2-PFDoA	IS	76.8	30 - 130		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1
13C2-PFTeDA	IS	71.2	20 - 150		B8D0071	12-Apr-18	0.258 L	19-Apr-18 23:04	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: EB-0406181420

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1800644-03	Column:	BEH C18
Project:	Wurtsmith AFB PFAS	Date Collected:	06-Apr-18 14:20	Date Received:	10-Apr-18 09:32		
Location:	LEVEL TROLL 400						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.362	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFPeA	ND	0.635	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFBS	ND	0.888	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFHxA	ND	1.08	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFHpA	2.46	0.293	2.48	3.97	J	B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFHxS	ND	0.470	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
Br-PFHxS	ND	0.470	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
Total PFHxS	ND	0.470	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-6:2 FTS	ND	0.992	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFOA	38.9	0.570	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
Br-PFOA	31.7	0.570	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
Total PFOA	70.5	0.570	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFHpS	ND	0.465	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFNA	ND	0.402	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFOS	ND	0.400	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
Br-PFOS	ND	0.400	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
Total PFOS	ND	0.400	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFDA	ND	0.739	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-8:2FTS	ND	1.02	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-MeFOSAA	ND	0.818	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-EtFOSAA	ND	0.680	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFOSA	ND	0.878	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFUnA	ND	0.521	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFDS	ND	0.610	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFDoA	ND	0.393	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFTrDA	ND	0.245	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFTeDA	ND	0.375	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-4:2 FTS	ND	1.36	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFPeS	ND	1.36	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
L-PFNS	ND	1.36	2.48	3.97		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.5	60 - 130		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C3-PFPeA	IS	95.2	60 - 150		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C3-PFBS	IS	103	60 - 150		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C2-PFHxA	IS	92.5	70 - 130		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C4-PFHpA	IS	95.0	60 - 150		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
18O2-PFHxS	IS	88.4	60 - 130		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C2-PFOA	IS	87.2	60 - 130		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1

Sample ID: EB-0406181420 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1800644-03	Column:	BEH C18
Project:	Wurtsmith AFB PFAS	Date Collected:	06-Apr-18 14:20	Date Received:	10-Apr-18 09:32		
Location:	LEVEL TROLL 400						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	93.2	60 - 130		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C5-PFNA	IS	88.9	50 - 130		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C2-PFDA	IS	77.5	60 - 130		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C8-PFOSA	IS	69.1	20 - 150		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
d3-MeFOSAA	IS	68.7	50 - 150		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C2-PFUnA	IS	75.1	60 - 130		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
d5-EtFOSAA	IS	78.7	50 - 150		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C2-PFDoA	IS	76.2	30 - 130		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1
13C2-PFTeDA	IS	71.8	20 - 150		B8D0071	12-Apr-18	0.252 L	19-Apr-18 23:16	1

DL - Detection Limit

LOD - Limit of Detection

LCL-UCL- Lower control limit - upper control limit

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: EB-0406181430

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1800644-04	Column:	BEH C18
Project:	Wurtsmith AFB PFAS	Date Collected:	06-Apr-18 14:30	Date Received:	10-Apr-18 09:32		
Location:	CONTROL WATER						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.370	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFPeA	ND	0.650	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFBS	ND	0.909	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFHxA	ND	1.11	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFHpA	ND	0.300	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFHxS	ND	0.481	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
Br-PFHxS	ND	0.481	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
Total PFHxS	ND	0.481	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-6:2 FTS	ND	1.02	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFOA	ND	0.584	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
Br-PFOA	ND	0.584	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
Total PFOA	ND	0.584	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFHpS	ND	0.476	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFNA	ND	0.411	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFOS	ND	0.410	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
Br-PFOS	ND	0.410	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
Total PFOS	ND	0.410	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFDA	ND	0.756	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-8:2FTS	ND	1.05	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-MeFOSAA	ND	0.838	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-EtFOSAA	ND	0.696	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFOSA	ND	0.899	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFUnA	ND	0.533	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFDS	ND	0.624	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFDoA	ND	0.402	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFTrDA	ND	0.251	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFTeDA	ND	0.383	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-4:2 FTS	ND	1.39	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFPeS	ND	1.39	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
L-PFNS	ND	1.39	2.54	4.06		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.2	60 - 130		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C3-PFPeA	IS	94.9	60 - 150		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C3-PFBS	IS	106	60 - 150		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C2-PFHxA	IS	96.0	70 - 130		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C4-PFHpA	IS	93.2	60 - 150		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
18O2-PFHxS	IS	87.2	60 - 130		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C2-PFOA	IS	82.8	60 - 130		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1

Sample ID: EB-0406181430 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1800644-04	Column:	BEH C18
Project:	Wurtsmith AFB PFAS	Date Collected:	06-Apr-18 14:30	Date Received:	10-Apr-18 09:32		
Location:	CONTROL WATER						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	79.5	60 - 130		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C5-PFNA	IS	83.6	50 - 130		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C2-PFDA	IS	77.9	60 - 130		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C8-PFOSA	IS	66.7	20 - 150		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
d3-MeFOSAA	IS	67.2	50 - 150		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C2-PFUnA	IS	78.2	60 - 130		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
d5-EtFOSAA	IS	65.8	50 - 150		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C2-PFDoA	IS	66.3	30 - 130		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1
13C2-PFTeDA	IS	75.6	20 - 150		B8D0071	12-Apr-18	0.246 L	19-Apr-18 23:27	1

DL - Detection Limit

LOD - Limit of Detection

LCL-UCL- Lower control limit - upper control limit

LOQ - Limit of quantitation

Results reported to the DL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank.
D	Dilution
E	The associated compound concentration exceeded the calibration range of the instrument.
H	Recovery and/or RPD was outside laboratory acceptance limits.
I	Chemical Interference
J	The amount detected is below the Reporting Limit/LOQ.
M	Estimated Maximum Possible Concentration. (CA Region 2 projects only)
*	See Cover Letter
Conc.	Concentration
NA	Not applicable
ND	Not Detected
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1322288
New Hampshire Environmental Accreditation Program	207717
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	9077
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.



Page 1 of 1

CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 1800644 Temp: 1.7 °C
 Storage ID: WR-2 Storage Secured: Yes No

Project ID: Wurtsmith AFB PFAS PO#: 60518528 Sampler: Jeremiah Morse
 (name)

TAT Standard: 21 days
 (check one): Rush (surcharge may apply)
 14 days 7 days Specify: _____

Invoice to: Name Mike Jury Company MDEQ Address Saginaw Bay District Office City Saginaw Bay State MI Ph# 989-894-4255 Fax# _____

Relinquished by (printed name and signature) Michal Kosciarz Date 4/9/2018 Time 1700 Received by (printed name and signature) Marissa Sparks Date 04/10/18 Time 0933

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 * Fax (916) 673-0106
 Method of Shipment: _____
 Tracking No.: _____
 ATTN: Jennifer Miller

Container(s)			Add Analysis(es) Requested				Mod. EPA Method 537		EPA Method 537(DW only)		Comments
Quantity	Type	Matrix	PFOS/PFOA	UCMR3 PFAS List 6	537 List: 14	Full List of 26	Other: Please List Below	Branch and Linear	PFOS/PFOA	UCMR3 PFAS List 6	

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	PFOS/PFOA	UCMR3 PFAS List 6	537 List: 14	Full List of 26	Other: Please List Below	Branch and Linear	PFOS/PFOA	UCMR3 PFAS List 6	PFAS List: 14	Comments
EB-0406181400	4/6/18	1400	SUSPENSION WIRE	2	P	AQ						x				
EB-0406181410	4/6/18	1410	RUGGED TROLL 100	2	P	AQ						x				
EB-0406181420	4/6/18	1420	LEVEL TROLL 400	2	P	AQ						x				
EB-0406181430	4/6/18	1430	CONTROL WATER	2	P	AQ						x				

Special Instructions/Comments: **Send Results and Acknowledgements to:**

 Dorin.Bogdan@aecom.com
 Robert.Kennedy@aecom.com
 Michal.Kosciarz@aecom.com
 Jeremiah.Morse@aecom.com

SEND DOCUMENTATION AND RESULTS TO:

Name: Mike Jury
 Company: MDEQ
 Address: Saginaw Bay District Office
 City: Saginaw Bay State: MI Zip: _____
 Phone: 989-894-4255 Fax: _____
 Email: _____

Container Types: P= HDPE, PJ= HDPE Jar
 Bottle Preservation Type: T = Thiosulfate, TZ = Trizma: _____ None
 Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other: _____

Sample Log-in Checklist

Vista Work Order #: 1800644 TAT Std

Samples Arrival:	Date/Time 04/10/18 0932	Initials: WMS	Location: WR-2 Shelf/Rack: N/A				
Logged In:	Date/Time 04/10/18 1519 1509 13013 4/10/18	Initials: LBSB	Location: WR-2 Shelf/Rack: F5				
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GSO	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None			
Temp °C:	1.8 (uncorrected)	Time: 0932	Thermometer ID: IR-4				
Temp °C:	1.7 (corrected)	Probe used: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					

	YES	NO	NA			
Adequate Sample Volume Received?	✓					
Holding Time Acceptable?	✓					
Shipping Container(s) Intact?	✓					
Shipping Custody Seals Intact?			/			
Shipping Documentation Present?	✓					
Airbill	Trk # 4377 0528 1178					
Sample Container Intact?	✓					
Sample Custody Seals Intact?			✓			
Chain of Custody / Sample Documentation Present?	✓					
COC Anomaly/Sample Acceptance Form completed?		✓	✓			
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓			
Preservation Documented:	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> Trizma	<input type="checkbox"/> None	Yes	No	<input checked="" type="checkbox"/> NA
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input checked="" type="checkbox"/> Retain	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	

Comments:

EXTRACTION INFORMATION

Process Sheet
Workorder: 1800644

Prep Expiration: 2018-Apr-20
 Client: Merit Laboratories, Inc.

Workorder Due: 01-May-18 00:00

TAT: 21

Method: 537M Linear All/Branched/Total PFHxS/PFOA/PFOS
 Matrix: Aqueous

Prep Batch: B8D0071

ME (24 Analyte)
 Version: ~~Wurtsmith (21 w/PFOA)~~ *a 5/1/18*

Prep Data Entered: 4/13/18 JR
Date and Initials

Initial Sequence: S8D0029

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1800644-01	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EB-0406181400		WR-2 F-5	HDPE Bottle, 250 mL
1800644-02		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EB-0406181410		WR-2 F-5	HDPE Bottle, 250 mL
1800644-03		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EB-0406181420		WR-2 F-5	HDPE Bottle, 250 mL
1800644-04		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EB-0406181430		WR-2 F-5	HDPE Bottle, 250 mL

WO Comments: L/B/T PFOA, PFOS, PFHxS, all others linear only.

Pre-Prep Check Out: MA 04/11/18
 Pre-Prep Check In: MA 04/11/18

Prep Check Out: MA 04/12/18
 Prep Check In: NA

Prep Reconciled Initials/Date: MA 04/11/18
 Spike Reconciled Initials/Date: FR 4.12.18
 VialBoxID: Vaporeon

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/

B8D0071

Chemist: KC

Prep Date/Time: 12 Apr-18 08:26

12
KC 4/12/18

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: <u>04/12/18 MA</u>			BalanceID: <u>HRMS-8</u>							
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE	
<input type="checkbox"/>	B8D0071-BLK1	5	2	0	3	NA	NA	(0.250) ✓	KC MA 4/12/18	MA 4/12/18	KC MA 4/12/18	
<input type="checkbox"/>	B8D0071-BS1	5	2	0	3	↓	↓	↓	↓	↓	↓	
<input type="checkbox"/>	1800644-01	5	2	0	3	285.05	26.96	0.25809 ✓	↓	↓	↓	
<input type="checkbox"/>	1800644-02	5	2	0	3	285.74	27.62	0.25812 ✓	↓	↓	↓	
<input type="checkbox"/>	1800644-03	5	2	0	3	289.58	37.59	0.25199 ✓	↓	↓	↓	
<input type="checkbox"/>	1800644-04	5	2	0	3	283.55	37.33	0.24622 ✓	↓	↓	↓	

IS: <u>18B2203, 10mL (V4)</u>	SPE Chem: <u>Strata X-AW 33um ^{200mg}/_{6mL}</u>	Notes:
IS SUP: <u>NA</u>	Ele SOLV: <u>0.5% NH₄OH in MeOH, MeOH</u>	
NS: <u>18C1302, 10mL (V5)</u>	Final Volume(s) <u>1 mL</u>	
RS: <u>18B2206, 10mL (V4)</u>		

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

Batch: B8D0071

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1800644-01	0.25809 ✓	MA	N/A	1000	12-Apr-18 08:26	KC			Aqueous	537M Linear All/Branched/
1800644-02	0.25812 ✓	↓	↓	1000	12-Apr-18 08:26	KC			Aqueous	537M Linear All/Branched/
1800644-03	0.25199 ✓	↓	↓	1000	12-Apr-18 08:26	KC			Aqueous	537M Linear All/Branched/
1800644-04	0.24622 ✓	↓	↓	1000	12-Apr-18 08:26	KC			Aqueous	537M Linear All/Branched/
B8D0071-BLK1	0.25 ✓	↓	↓	1000	12-Apr-18 08:26	KC				QC
B8D0071-BS1	0.25 ✓	↓	↓	1000	12-Apr-18 08:26	KC	18C1302 ✓	10 ✓		QC

JR 4/13/18

Sample Data – PFAS Isotope Dilution Method

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-16.qld

Last Altered: Tuesday, May 01, 2018 09:13:58 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 09:17:04 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_16, Date: 19-Apr-2018, Time: 22:41:58, ID: B8D0071-BLK1 Method Blank 0.25, Description: Method Blank

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 16...		6.32e3	0.2500		1.56						
2	2 PFPeA	263.1 > 21...		8.18e3	0.2500		2.54						
3	3 PFBS	299.0 > 79.7		1.54e3	0.2500		2.81						
4	4 4:2 FTS	327.2>307.2		1.54e3	0.2500		3.21						
5	5 PFHxA	313.2 > 26...		2.82e3	0.2500		3.30						
6	6 PFPeS	349.1>80.1		1.54e3	0.2500		3.50						
7	7 PFHpA	363.0 > 31...		7.57e3	0.2500		3.92						
8	8 L-PFHxS	398.9 > 79.6		1.18e3	0.2500		4.06						
9	9 Br-PFHxS	398.9 > 79.6		1.18e3	0.2500		3.94						
10	10 6:2 FTS	427.1 > 407		3.08e3	0.2500		4.38						
11	11 L-PFOA	413 > 368.7		1.10e4	0.2500		4.30						
12	12 Br-PFOA	413 > 368.7		1.10e4	0.2500		4.16						
13	13 PFHpS	449 > 80.0		1.10e4	0.2500		4.54						
14	14 PFNA	463.0 > 41...		9.70e3	0.2500		4.87						
15	15 PFOSA	498.2 > 77.9		1.54e3	0.2500		4.93						
16	16 L-PFOS	499.1 > 79.9		3.12e3	0.2500		4.85						
17	17 Br-PFOS	499.1 > 79.9	4.47e0	3.12e3	0.2500		4.70	4.74	0.0179	0.246		0.303	NO-YES
18	18 PFDA	513 > 468.8		8.67e3	0.2500		5.24						
19	19 8:2 FTS	527 > 506.9		2.29e3	0.2500		5.21						
20	20 PFNS	549.1>80.1		3.12e3	0.2500		5.30						
21	21 N-MeFOSAA	570.1 > 419		3.84e3	0.2500		5.39						
22	22 N-EtFOSAA	584.2 > 419		4.39e3	0.2500		5.55						
23	23 PFUDa	563.0 > 51...		1.02e4	0.2500		5.56						
24	24 PFDS	598.8 > 80		1.02e4	0.2500		5.61						
25	25 PFDoA	612.9 > 56...		9.10e3	0.2500		5.84						
26	26 N-MeFOSA	512.1 > 16...			0.2500		6.00						
27	27 PFTrDA	662.9 > 61...		9.10e3	0.2500		6.10						
28	28 PFTeDA	712.9 > 66...		8.92e3	0.2500		6.30						
29	29 N-EtFOSA	526.1 > 16...			0.2500		6.38						
30	30 PFHxDA	813.1 > 76...		6.87e3	0.2500		6.62						
31	31 PFODA	913.1 > 86...	2.50e1	6.87e3	0.2500		6.85	6.72	0.0182	0.078			
32	32 N-MeFOSE	616.1 > 58.9			0.2500		6.50						AR 5/1/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-16.qld

Last Altered: Tuesday, May 01, 2018 09:13:58 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 09:17:04 Pacific Daylight Time

Name: 180419M2_16, Date: 19-Apr-2018, Time: 22:41:58, ID: B8D0071-BLK1 Method Blank 0.25, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
33	33 N-EtFOSE	630.1 > 58.9			0.2500		6.65						
34	34 13C3-PFBA	216.1 > 17...	6.32e3	7.29e3	0.2500	0.908	1.56	1.46	10.8	47.752	95.5		
35	35 13C3-PFPeA	266. > 221.8	8.18e3	1.04e4	0.2500	0.868	2.54	2.40	9.82	45.222	90.4		
36	36 13C3-PFBS	302. > 98.8	1.54e3	1.04e4	0.2500	0.131	2.81	2.68	1.85	56.403	112.8		
37	37 13C2-PFHxA	315 > 269.8	2.82e3	1.04e4	0.2500	0.735	3.30	3.17	3.39	18.439	92.2		
38	38 13C4-PFHpA	367.2 > 32...	7.57e3	1.04e4	0.2500	0.768	3.92	3.80	9.09	47.355	94.7		
39	39 18O2-PFHxS	403.0 > 10...	1.18e3	2.81e3	0.2500	0.456	4.06	3.94	5.25	46.039	92.1		
40	40 13C2-6:2 FTS	429.1 > 40...	3.08e3	1.03e4	0.2500	0.287	4.38	4.26	3.73	52.020	104.0		
41	41 13C2-PFOA	414.9 > 36...	1.10e4	1.03e4	0.2500	1.104	4.43	4.31	13.3	48.323	96.6		
42	42 13C5-PFNA	468.2 > 42...	9.70e3	1.16e4	0.2500	0.960	4.87	4.75	10.5	43.534	87.1		
43	43 13C8-PFOSA	506.1 > 77.7	1.54e3	1.46e4	0.2500	0.199	4.93	4.81	1.31	26.298	52.6		
44	44 13C8-PFOS	507.0 > 79.9	3.12e3	3.19e3	0.2500	1.045	4.95	4.83	12.2	46.761	93.5		
45	45 13C2-PFDA	515.1 > 46...	8.67e3	1.23e4	0.2500	0.902	5.24	5.12	8.83	39.153	78.3		
46	46 13C2-8:2 FTS	529.1 > 50...	2.29e3	1.04e4	0.2500	0.222	5.21	5.09	2.75	49.547	99.1		
47	47 d3-N-MeFOSAA	573.3 > 419	3.84e3	1.46e4	0.2500	0.375	5.39	5.27	3.28	34.972	69.9		
48	48 d5-N-EtFOSAA	589.3 > 419	4.39e3	1.46e4	0.2500	0.416	5.55	5.42	3.75	36.018	72.0		
49	49 13C2-PFUdA	565 > 519.8	1.02e4	1.46e4	0.2500	0.919	5.56	5.44	8.72	37.950	75.9		
50	50 13C2-PFDoA	615.0 > 56...	9.10e3	1.46e4	0.2500	0.856	5.84	5.72	7.77	36.311	72.6		
51	51 d3-N-MeFOSA	515.2 > 16...		1.46e4	0.2500	0.100	6.00						
52	52 13C2-PFTeDA	714.8 > 66...	8.92e3	1.46e4	0.2500	0.725	6.30	6.18	7.62	42.024	84.0		
53	53 d5-N-ETFOSA	531.1 > 16...		1.46e4	0.2500	0.140	6.40						
54	54 13C2-PFHxDA	815 > 769.7	6.87e3	1.46e4	0.2500	1.347	6.62	6.50	5.86	17.409	87.0		
55	55 d7-N-MeFOSE	623.1 > 58.9		1.46e4	0.2500	0.140	6.50						
56	56 d9-N-EtFOSE	639.2 > 58.8		1.46e4	0.2500	0.134	6.65						
57	57 13C4-PFBA	217. > 171.8	7.29e3	7.29e3	0.2500	1.000	1.56	1.45	12.5	50.000	100.0		
58	58 13C5-PFHxA	318 > 272.9	1.04e4	1.04e4	0.2500	1.000	3.30	3.17	12.5	50.000	100.0		
59	59 13C3-PFHxS	401.9 > 79.9	2.81e3	2.81e3	0.2500	1.000	4.04	3.94	12.5	50.000	100.0		
60	60 13C8-PFOA	421.3 > 376	1.03e4	1.03e4	0.2500	1.000	4.43	4.31	12.5	50.000	100.0		
61	61 13C9-PFNA	472.2 > 42...	1.16e4	1.16e4	0.2500	1.000	4.87	4.75	12.5	50.000	100.0		
62	62 13C4-PFOS	503 > 79.9	3.19e3	3.19e3	0.2500	1.000	4.95	4.83	12.5	50.000	100.0		
63	63 13C6-PFDA	519.1 > 47...	1.23e4	1.23e4	0.2500	1.000	5.24	5.12	12.5	50.000	100.0		
64	64 13C7-PFUdA	570.1 > 52...	1.46e4	1.46e4	0.2500	1.000	5.56	5.44	12.5	50.000	100.0		
65	65 Total PFHxS	398.9 > 79.6	0.00e0	1.18e3	0.2500		4.05		0.000				
66	66 Total PFOA	413 > 368.7	0.00e0	1.10e4	0.2500		4.30		0.000				
67	67 Total PFOS	499.1 > 79.9	4.47e0	3.12e3	0.2500		4.90		0.0179	0.246			
68	68 Total N-MeFOSAA	570.1 > 419	0.00e0	3.84e3	0.2500		5.55		0.000				

AR 5/1/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-16.qld

Last Altered: Tuesday, May 01, 2018 09:13:58 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 09:17:04 Pacific Daylight Time

Name: 180419M2_16, Date: 19-Apr-2018, Time: 22:41:58, ID: B8D0071-BLK1 Method Blank 0.25, Description: Method Blank

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
69	69 Total N-EtFOSAA	584.2 > 419	0.00e0	4.39e3	0.2500		5.70		0.000				

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-16.qld

Last Altered: Tuesday, May 01, 2018 09:13:58 Pacific Daylight Time

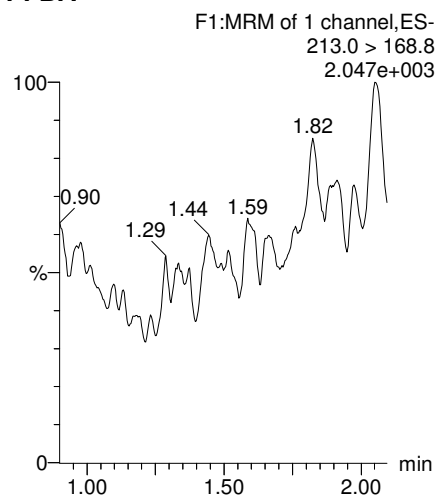
Printed: Tuesday, May 01, 2018 09:17:04 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

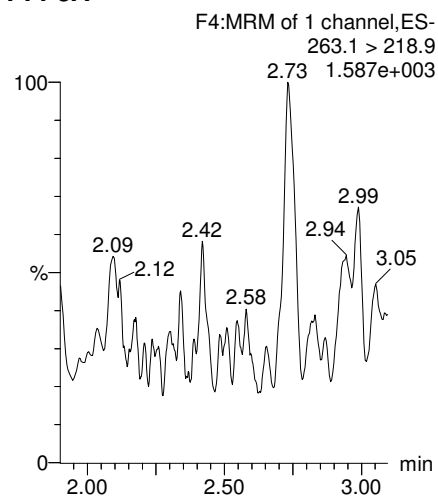
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_16, Date: 19-Apr-2018, Time: 22:41:58, ID: B8D0071-BLK1 Method Blank 0.25, Description: Method Blank

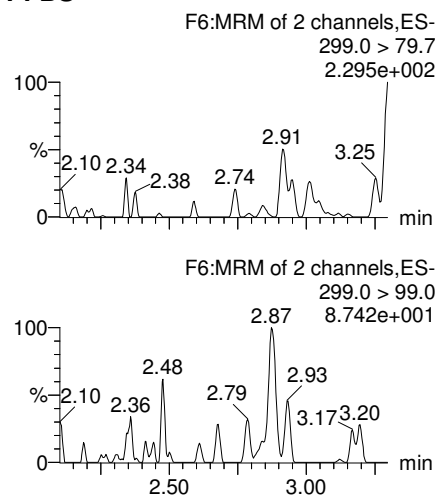
PFBA



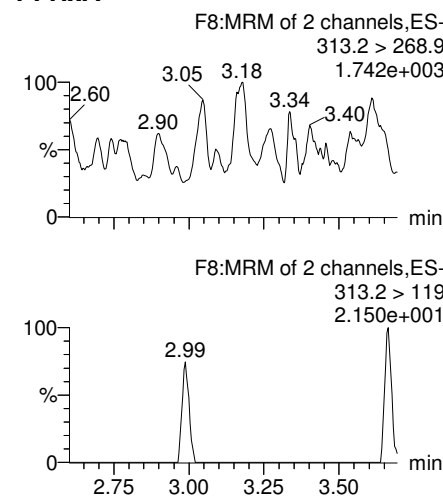
PFPeA



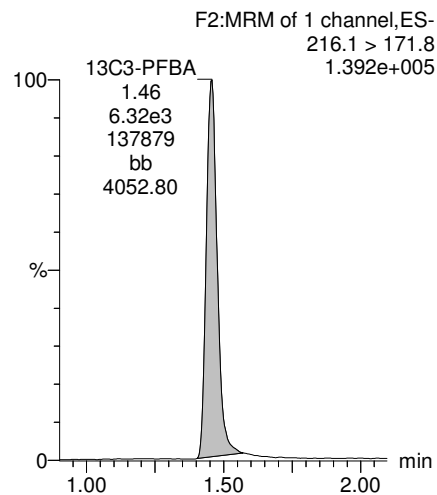
PFBS



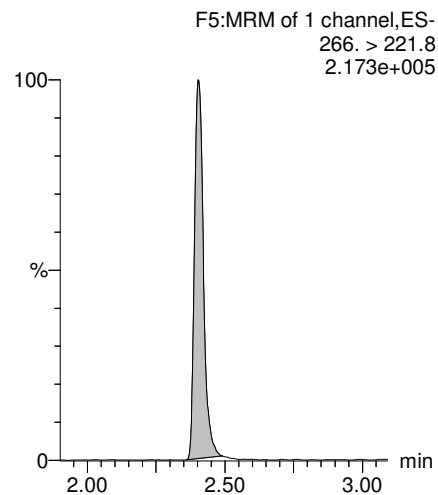
PFHxA



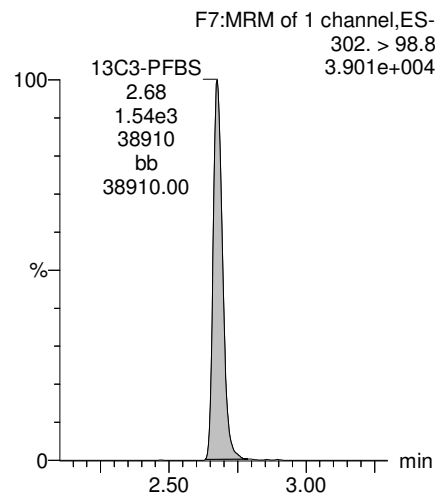
13C3-PFBA



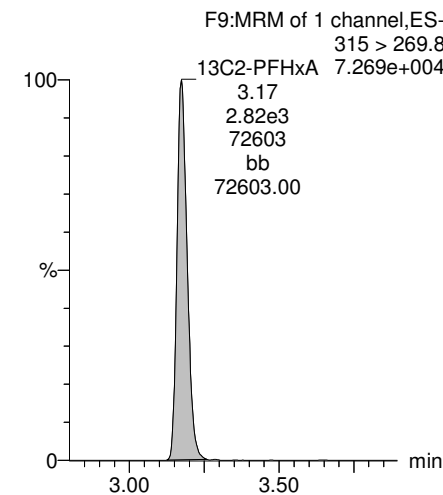
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



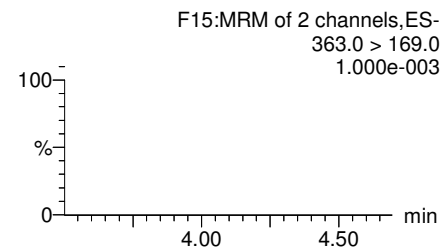
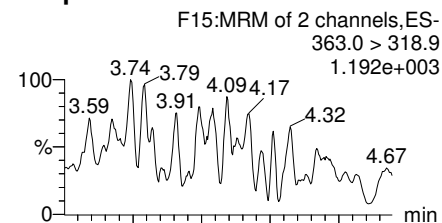
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Last Altered: Tuesday, May 01, 2018 09:13:58 Pacific Daylight Time

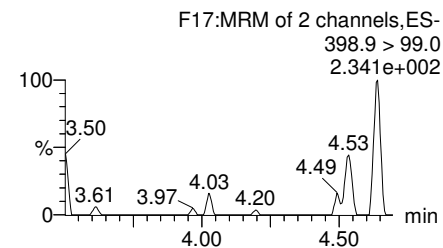
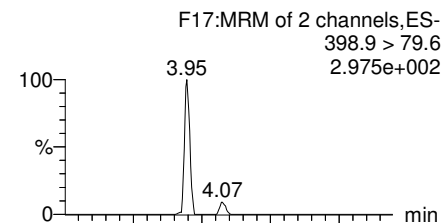
Printed: Tuesday, May 01, 2018 09:17:04 Pacific Daylight Time

Name: 180419M2_16, Date: 19-Apr-2018, Time: 22:41:58, ID: B8D0071-BLK1 Method Blank 0.25, Description: Method Blank

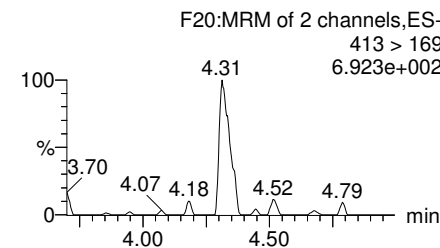
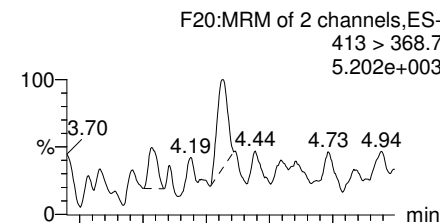
PFHpA



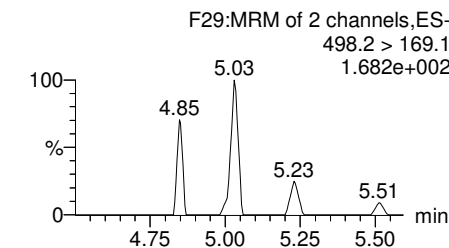
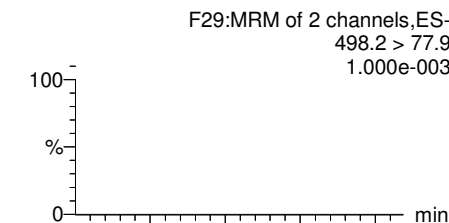
Total PFHxS



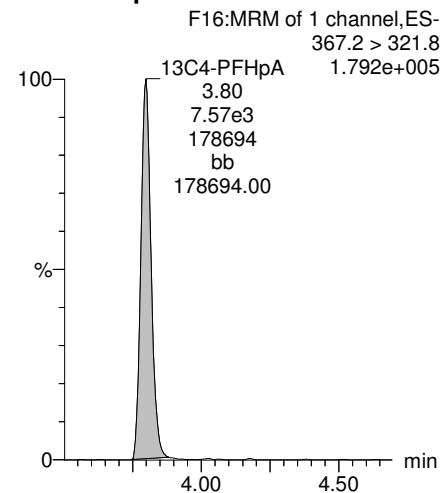
Total PFOA



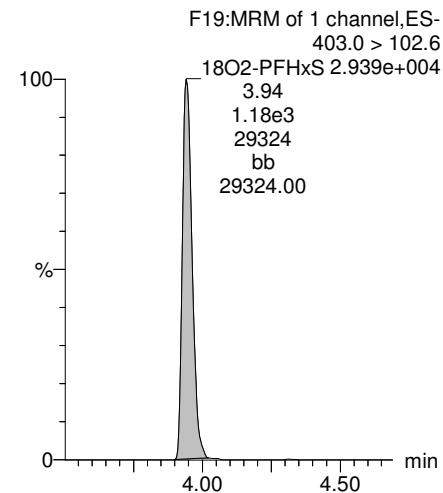
PFOSA



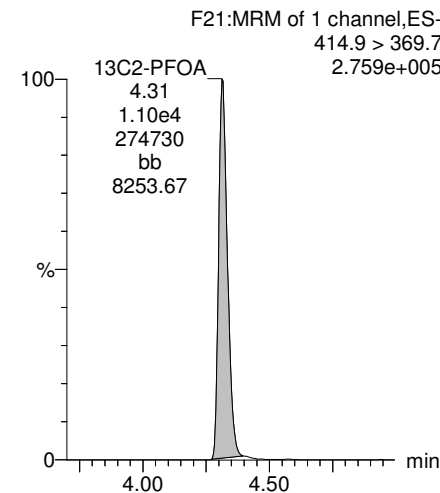
13C4-PFHpA



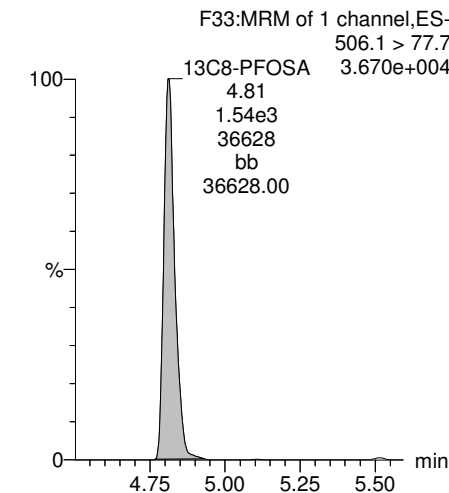
18O2-PFHxS



13C2-PFOA



13C8-PFOA

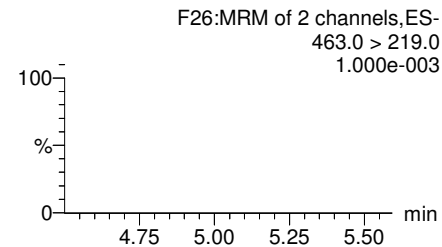
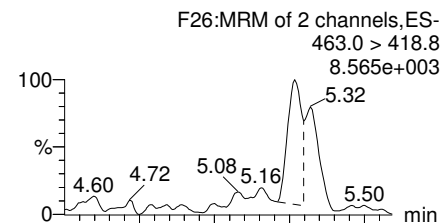


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-16.qld

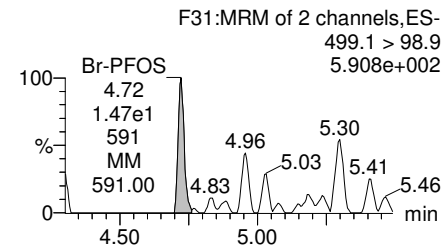
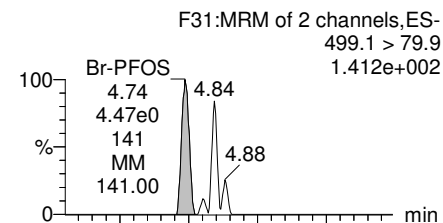
Last Altered: Tuesday, May 01, 2018 09:13:58 Pacific Daylight Time
Printed: Tuesday, May 01, 2018 09:17:04 Pacific Daylight Time

Name: 180419M2_16, Date: 19-Apr-2018, Time: 22:41:58, ID: B8D0071-BLK1 Method Blank 0.25, Description: Method Blank

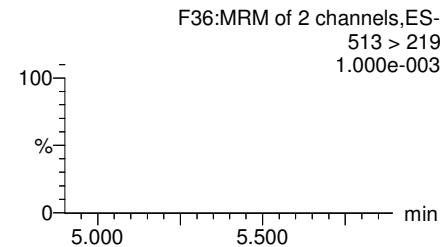
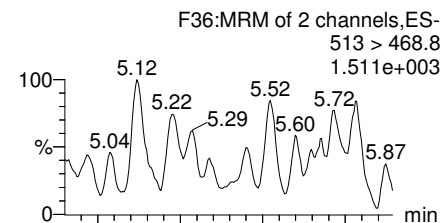
PFNA



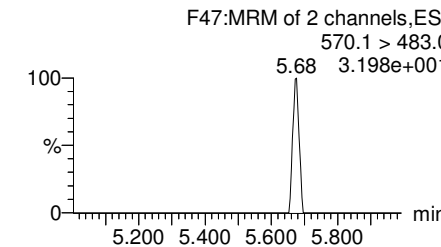
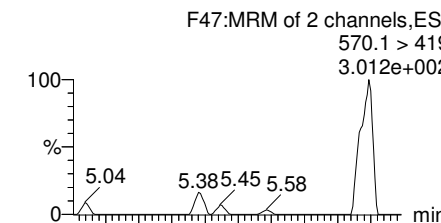
Total PFOS



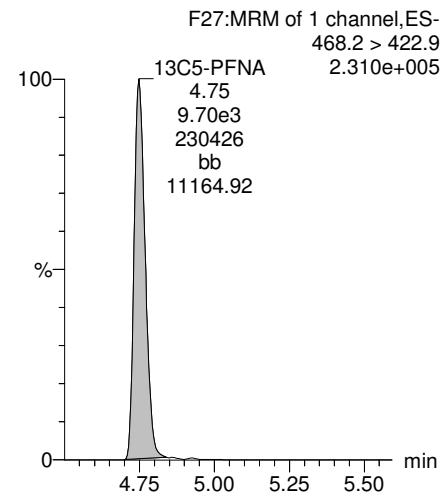
PFDA



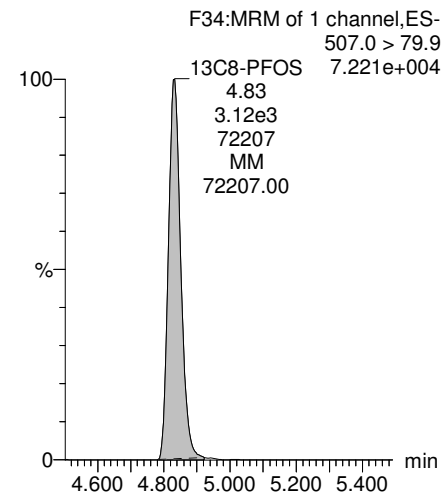
N-MeFOSAA



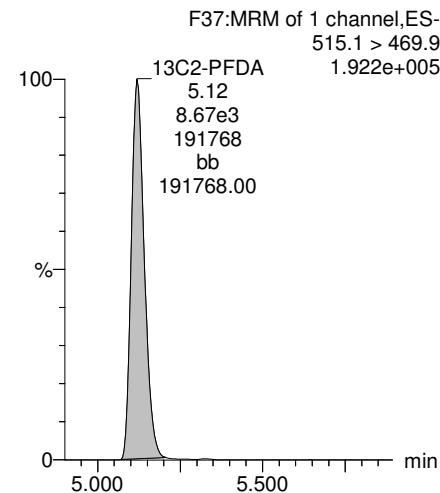
13C5-PFNA



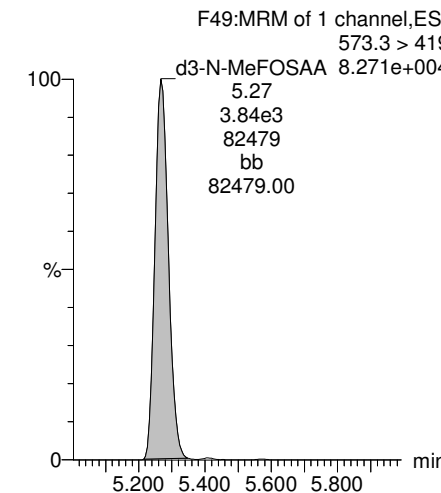
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA

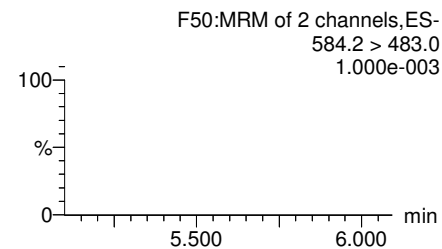
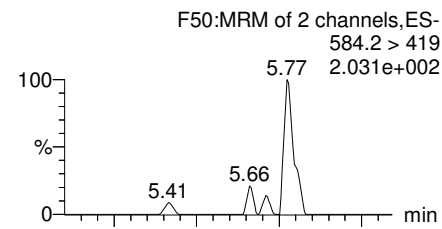


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-16.qld

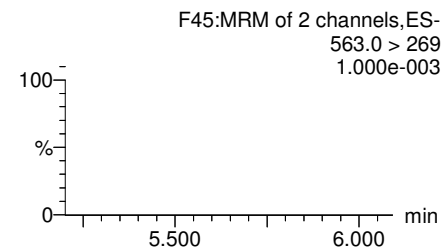
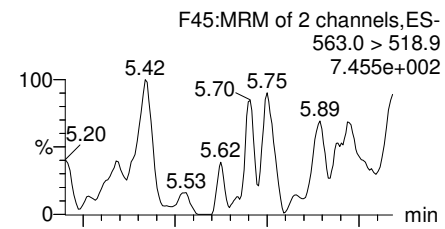
Last Altered: Tuesday, May 01, 2018 09:13:58 Pacific Daylight Time
Printed: Tuesday, May 01, 2018 09:17:04 Pacific Daylight Time

Name: 180419M2_16, Date: 19-Apr-2018, Time: 22:41:58, ID: B8D0071-BLK1 Method Blank 0.25, Description: Method Blank

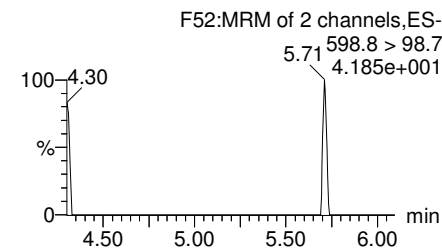
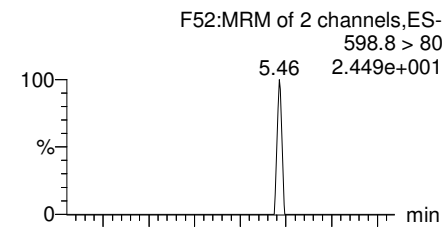
N-EtFOSAA



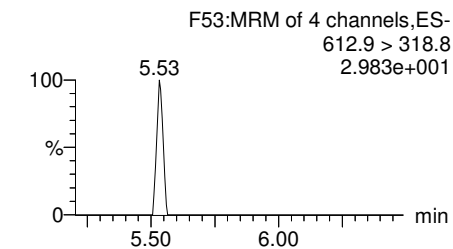
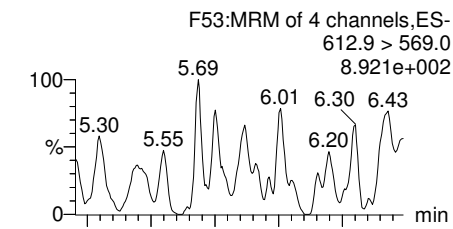
PFUdA



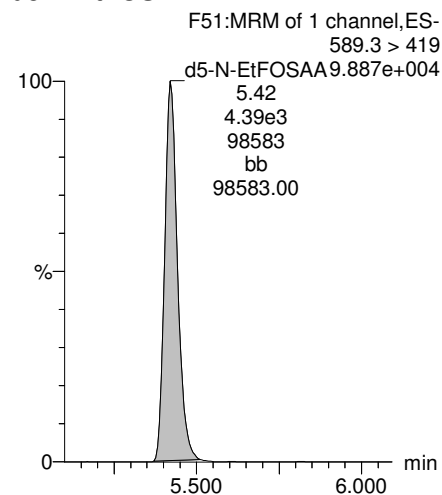
PFDS



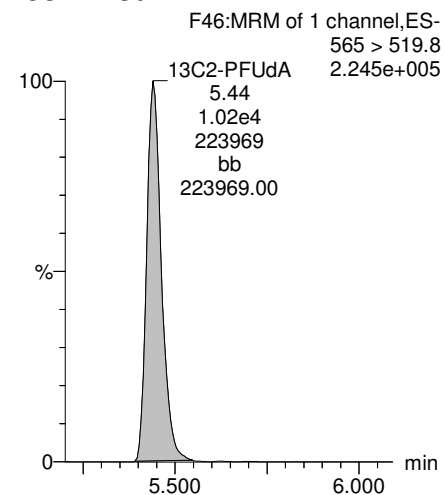
PFDaA



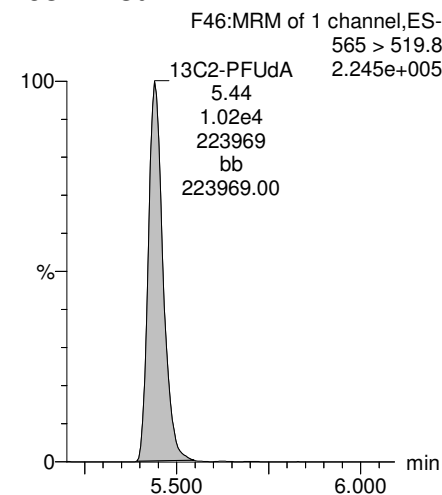
d5-N-EtFOSAA



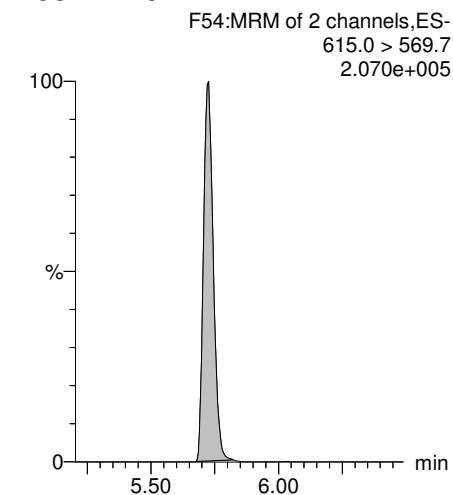
13C2-PFUdA



13C2-PFUdA



13C2-PFDaA

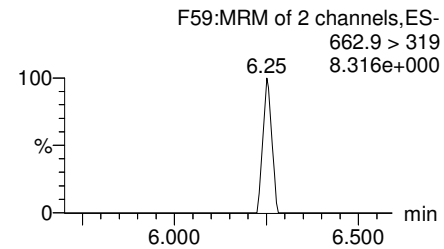
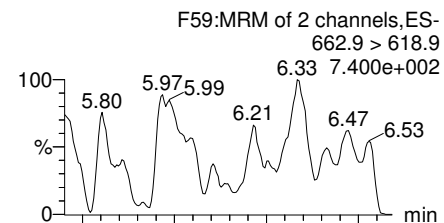


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-16.qld

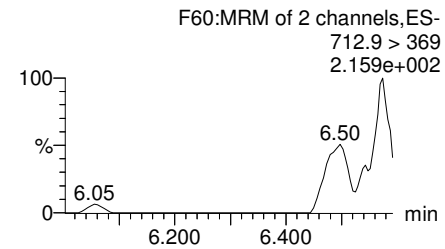
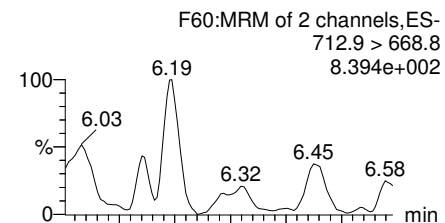
Last Altered: Tuesday, May 01, 2018 09:13:58 Pacific Daylight Time
Printed: Tuesday, May 01, 2018 09:17:04 Pacific Daylight Time

Name: 180419M2_16, Date: 19-Apr-2018, Time: 22:41:58, ID: B8D0071-BLK1 Method Blank 0.25, Description: Method Blank

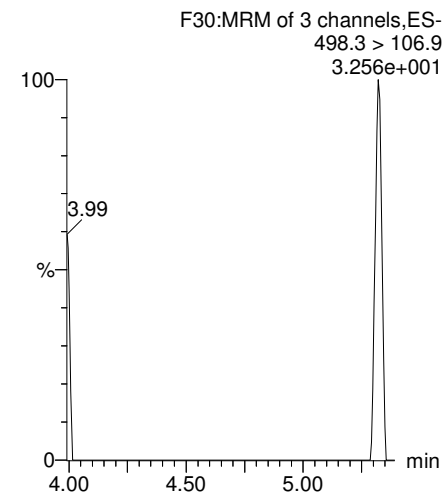
PFTrDA



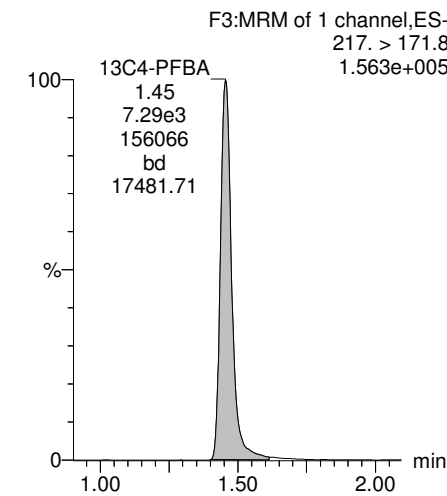
PFTeDA



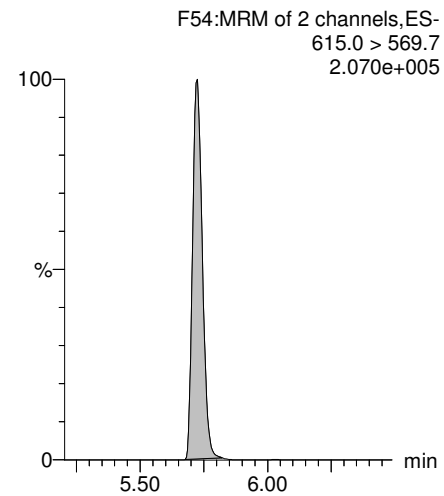
TCDA



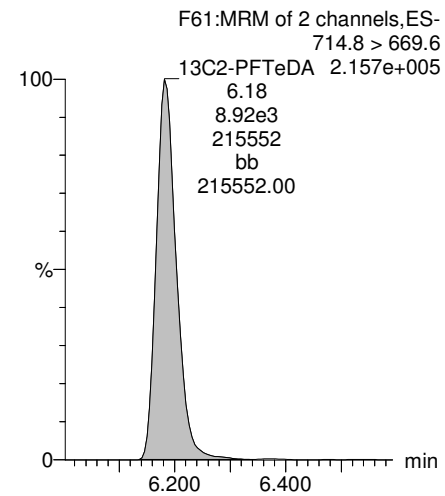
13C4-PFBA



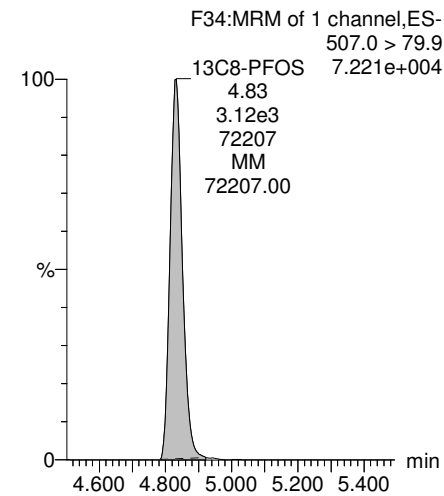
13C2-PFDoA



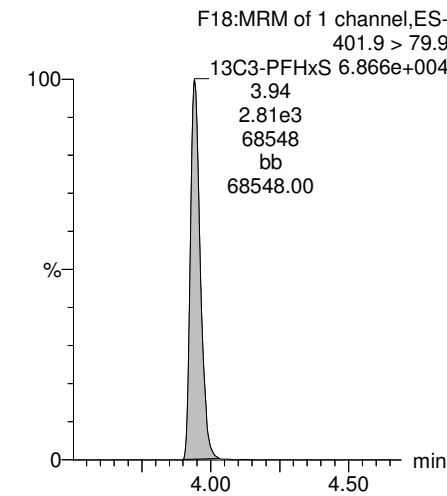
13C2-PFTeDA



13C8-PFOS



13C3-PFHxS



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-16.qld

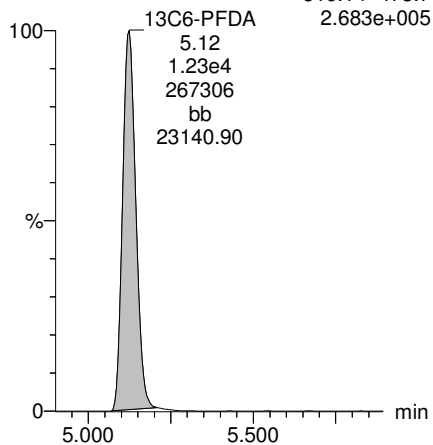
Last Altered: Tuesday, May 01, 2018 09:13:58 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 09:17:04 Pacific Daylight Time

Name: 180419M2_16, Date: 19-Apr-2018, Time: 22:41:58, ID: B8D0071-BLK1 Method Blank 0.25, Description: Method Blank

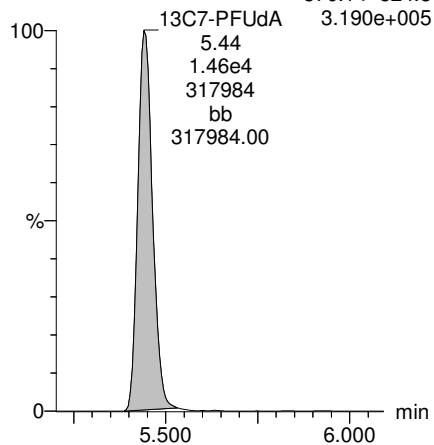
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
2.683e+005



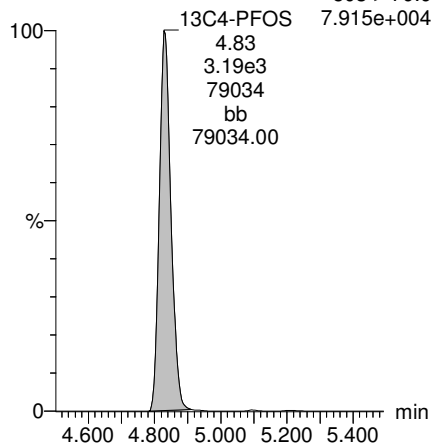
13C7-PFUdA

F48:MRM of 1 channel,ES-
570.1 > 524.8
3.190e+005



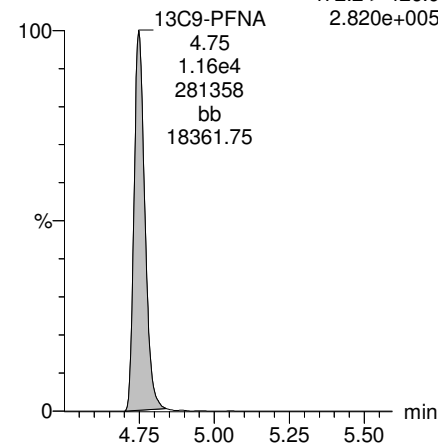
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
7.915e+004



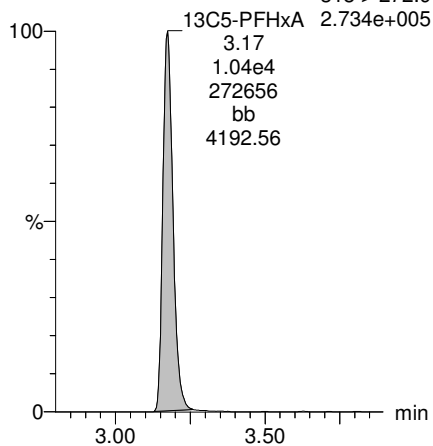
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
2.820e+005



13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
2.734e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-15.qld

Last Altered: Friday, April 27, 2018 10:34:40 Pacific Daylight Time

Printed: Friday, April 27, 2018 10:35:35 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_15, Date: 19-Apr-2018, Time: 22:30:29, ID: B8D0071-BS1 OPR 0.25, Description: OPR

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	6.74e3	7.14e3	0.2500		1.56	1.44	11.8	43.977	109.9
2	2 PFPeA	263.1 > 218.9	7.51e3	9.20e3	0.2500		2.54	2.40	10.2	42.273	105.7
3	3 PFBS	299.0 > 79.7	2.64e3	1.68e3	0.2500		2.81	2.68	19.6	43.221	108.1
4	4 4:2 FTS	327.2>307.2	2.74e3	1.68e3	0.2500		3.21	3.08	20.3	40.439	101.1
5	5 PFHxA	313.2 > 268.9	1.01e4	3.15e3	0.2500		3.30	3.17	16.0	41.351	103.4
6	6 PFPeS	349.1>80.1	2.13e3	1.68e3	0.2500		3.50	3.37	15.8	42.457	106.1
7	7 PFHpA	363.0 > 318.9	8.31e3	8.36e3	0.2500		3.92	3.80	12.4	43.238	108.1
8	8 L-PFHxS	398.9 > 79.6	1.94e3	1.21e3	0.2500		4.06	3.94	20.0	47.059	117.6
9	10 6:2 FTS	427.1 > 407	3.27e3	3.48e3	0.2500		4.38	4.26	11.8	44.444	111.1
10	11 L-PFOA	413 > 368.7	1.03e4	1.16e4	0.2500		4.30	4.31	11.0	47.284	118.2
11	13 PFHpS	449 > 80.0	2.34e3	1.16e4	0.2500		4.54	4.42	2.52	53.032	132.6
12	14 PFNA	463.0 > 418.8	1.04e4	1.04e4	0.2500		4.87	4.75	12.5	45.119	112.8
13	15 PFOSA	498.2 > 77.9	1.25e3	1.55e3	0.2500		4.93	4.81	10.1	46.332	115.8
14	16 L-PFOS	499.1 > 79.9	2.39e3	3.03e3	0.2500		4.90	4.83	9.87	42.975	107.4
15	18 PFDA	513 > 468.8	1.01e4	9.20e3	0.2500		5.24	5.12	13.8	40.460	101.2
16	19 8:2 FTS	527 > 506.9	3.69e3	2.72e3	0.2500		5.21	5.09	16.9	44.682	111.7
17	20 PFNS	549.1>80.1	2.08e3	3.03e3	0.2500		5.30	5.18	8.57	46.813	117.0
18	21 N-MeFOSAA	570.1 > 419	5.35e3	4.28e3	0.2500		5.39	5.27	15.6	45.204	113.0
19	22 N-EtFOSAA	584.2 > 419	4.37e3	5.34e3	0.2500		5.55	5.43	10.2	42.631	106.6
20	23 PFUdA	563.0 > 518.9	8.65e3	1.13e4	0.2500		5.56	5.44	9.59	42.168	105.4
21	24 PFDS	598.8 > 80	2.00e3	1.13e4	0.2500		5.61	5.49	2.22	54.391	136.0
22	25 PFDoA	612.9 > 569.0	8.59e3	9.71e3	0.2500		5.84	5.72	11.1	38.874	97.2
23	26 N-MeFOSA	512.1 > 168.9	8.79e2		0.2500		6.00	5.81			
24	27 PFTrDA	662.9 > 618.9	1.02e4	9.71e3	0.2500		6.10	5.97	13.1	42.019	105.0
25	28 PFTeDA	712.9 > 668.8	1.15e4	9.51e3	0.2500		6.30	6.19	15.1	47.842	119.6
26	29 N-EtFOSA	526.1 > 168.9	1.15e3		0.2500		6.38	6.20			
27	30 PFHxDA	813.1 > 768.6	9.09e3	7.77e3	0.2500		6.62	6.50	5.85	37.009	92.5
28	31 PFODA	913.1 > 868.8	1.32e4	7.77e3	0.2500		6.85	6.73	8.49	39.779	99.4
29	32 N-MeFOSE	616.1 > 58.9	2.83e3		0.2500		6.50	6.33			
30	33 N-EtFOSE	630.1 > 58.9	3.54e3		0.2500		6.65	6.48			
31	34 13C3-PFBA	216.1 > 171.8	7.14e3	8.25e3	0.2500	0.908	1.56	1.44	10.8	47.692	95.4
32	35 13C3-PFPeA	266. > 221.8	9.20e3	1.13e4	0.2500	0.868	2.54	2.40	10.2	46.911	93.8

H

H

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-15.qld

Last Altered: Friday, April 27, 2018 10:34:40 Pacific Daylight Time

Printed: Friday, April 27, 2018 10:35:35 Pacific Daylight Time

Name: 180419M2_15, Date: 19-Apr-2018, Time: 22:30:29, ID: B8D0071-BS1 OPR 0.25, Description: OPR

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	36 13C3-PFBS	302. > 98.8	1.68e3	1.13e4	0.2500	0.131	2.81	2.67	1.86	56.785	113.6
34	37 13C2-PFHxA	315 > 269.8	3.15e3	1.13e4	0.2500	0.735	3.30	3.17	3.48	18.960	94.8
35	38 13C4-PFHpA	367.2 > 321.8	8.36e3	1.13e4	0.2500	0.768	3.92	3.80	9.26	48.261	96.5
36	39 18O2-PFHxS	403.0 > 102.6	1.21e3	3.21e3	0.2500	0.456	4.06	3.95	4.73	41.484	83.0
37	40 13C2-6:2 FTS	429.1 > 408.9	3.48e3	1.19e4	0.2500	0.287	4.38	4.26	3.66	50.973	101.9
38	41 13C2-PFOA	414.9 > 369.7	1.16e4	1.19e4	0.2500	1.104	4.43	4.32	12.2	44.349	88.7
39	42 13C5-PFNA	468.2 > 422.9	1.04e4	1.31e4	0.2500	0.960	4.87	4.75	9.90	41.220	82.4
40	43 13C8-PFOSA	506.1 > 77.7	1.55e3	1.49e4	0.2500	0.199	4.93	4.81	1.30	26.144	52.3
41	44 13C8-PFOS	507.0 > 79.9	3.03e3	3.16e3	0.2500	1.045	4.95	4.83	12.0	45.911	91.8
42	45 13C2-PFDA	515.1 > 469.9	9.20e3	1.36e4	0.2500	0.902	5.24	5.12	8.47	37.559	75.1
43	46 13C2-8:2 FTS	529.1 > 508.7	2.72e3	1.13e4	0.2500	0.222	5.21	5.09	3.02	54.318	108.6
44	47 d3-N-MeFOSAA	573.3 > 419	4.28e3	1.49e4	0.2500	0.375	5.39	5.27	3.60	38.361	76.7
45	48 d5-N-EtFOSAA	589.3 > 419	5.34e3	1.49e4	0.2500	0.416	5.55	5.42	4.49	43.129	86.3
46	49 13C2-PFUdA	565 > 519.8	1.13e4	1.49e4	0.2500	0.919	5.56	5.44	9.47	41.229	82.5
47	50 13C2-PFDoA	615.0 > 569.7	9.71e3	1.49e4	0.2500	0.856	5.84	5.72	8.15	38.112	76.2
48	51 d3-N-MeFOSA	515.2 > 168.9		1.49e4	0.2500	0.100	6.00				
49	52 13C2-PFTeDA	714.8 > 669.6	9.51e3	1.49e4	0.2500	0.725	6.30	6.18	7.99	44.071	88.1
50	53 d5-N-ETFOSA	531.1 > 168.9		1.49e4	0.2500	0.140	6.40				
51	54 13C2-PFHxDA	815 > 769.7	7.77e3	1.49e4	0.2500	1.347	6.62	6.50	6.53	19.385	96.9
52	55 d7-N-MeFOSE	623.1 > 58.9		1.49e4	0.2500	0.140	6.50				
53	56 d9-N-EtFOSE	639.2 > 58.8		1.49e4	0.2500	0.134	6.65				
54	57 13C4-PFBA	217. > 171.8	8.25e3	8.25e3	0.2500	1.000	1.56	1.44	12.5	50.000	100.0
55	58 13C5-PFHxA	318 > 272.9	1.13e4	1.13e4	0.2500	1.000	3.30	3.17	12.5	50.000	100.0
56	59 13C3-PFHxS	401.9 > 79.9	3.21e3	3.21e3	0.2500	1.000	4.04	3.94	12.5	50.000	100.0
57	60 13C8-PFOA	421.3 > 376	1.19e4	1.19e4	0.2500	1.000	4.43	4.31	12.5	50.000	100.0
58	61 13C9-PFNA	472.2 > 426.9	1.31e4	1.31e4	0.2500	1.000	4.87	4.75	12.5	50.000	100.0
59	62 13C4-PFOS	503 > 79.9	3.16e3	3.16e3	0.2500	1.000	4.95	4.82	12.5	50.000	100.0
60	63 13C6-PFDA	519.1 > 473.7	1.36e4	1.36e4	0.2500	1.000	5.24	5.12	12.5	50.000	100.0
61	64 13C7-PFUdA	570.1 > 524.8	1.49e4	1.49e4	0.2500	1.000	5.56	5.44	12.5	50.000	100.0
62	65 Total PFHxS	398.9 > 79.6	1.94e3	1.21e3	0.2500		4.05		20.0	47.059	
63	66 Total PFOA	413 > 368.7	1.03e4	1.16e4	0.2500		4.30		11.0	47.284	
64	67 Total PFOS	499.1 > 79.9	2.39e3	3.03e3	0.2500		4.90		9.87	42.975	
65	68 Total N-MeFOSAA	570.1 > 419	5.35e3	4.28e3	0.2500		5.55		15.6	45.204	
66	69 Total N-EtFOSAA	584.2 > 419	4.37e3	5.34e3	0.2500		5.70		10.2	42.631	

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-15.qld

Last Altered: Friday, April 27, 2018 10:34:40 Pacific Daylight Time

Printed: Friday, April 27, 2018 10:35:35 Pacific Daylight Time

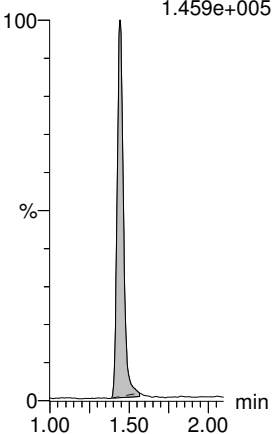
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_15, Date: 19-Apr-2018, Time: 22:30:29, ID: B8D0071-BS1 OPR 0.25, Description: OPR

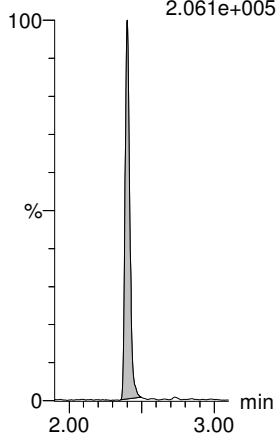
PFBA

F1:MRM of 1 channel,ES-
213.0 > 168.8
1.459e+005



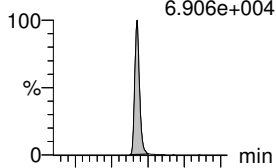
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
2.061e+005

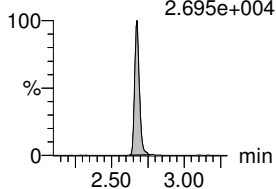


PFBS

F6:MRM of 2 channels,ES-
299.0 > 79.7
6.906e+004

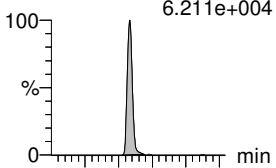


F6:MRM of 2 channels,ES-
299.0 > 99.0
2.695e+004

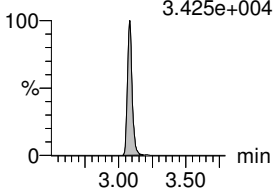


4:2 FTS

F11:MRM of 2 channels,ES-
327.2 > 307.2
6.211e+004

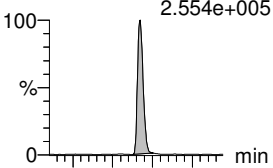


F11:MRM of 2 channels,ES-
327.2 > 81.1
3.425e+004

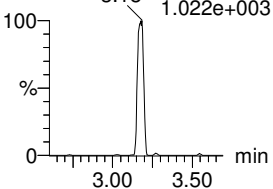


PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
2.554e+005

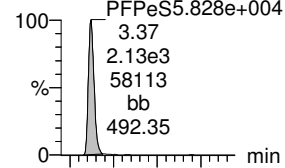


F8:MRM of 2 channels,ES-
313.2 > 119
1.022e+003

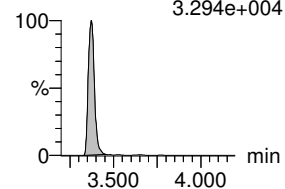


PFPeS

F14:MRM of 2 channels,ES-
349.1 > 80.1
2.554e+005

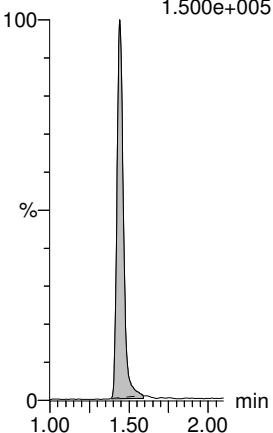


F14:MRM of 2 channels,ES-
349.1 > 99
3.294e+004



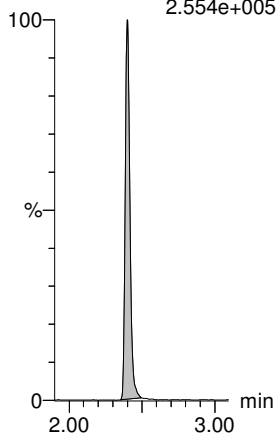
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
1.500e+005



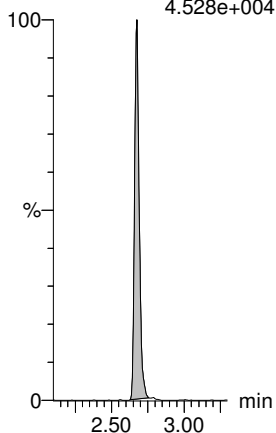
13C3-PFPeA

F5:MRM of 1 channel,ES-
266. > 221.8
2.554e+005



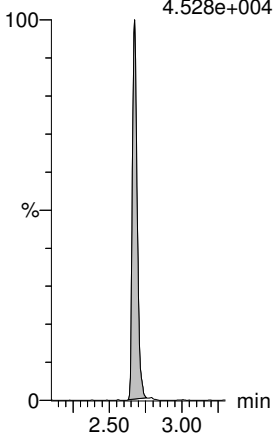
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
4.528e+004



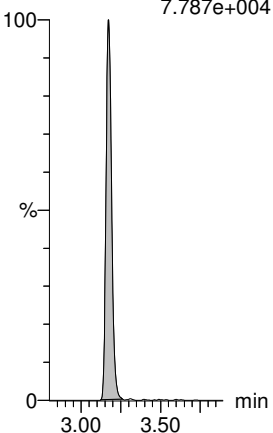
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
4.528e+004



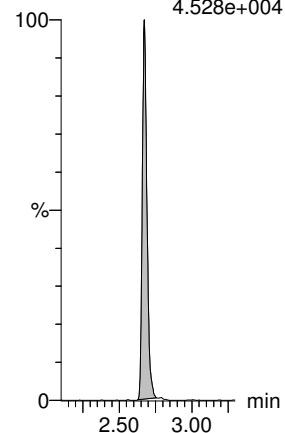
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
7.787e+004



13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
4.528e+004



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-15.qld

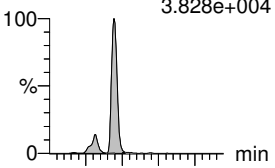
Last Altered: Friday, April 27, 2018 10:34:40 Pacific Daylight Time

Printed: Friday, April 27, 2018 10:35:35 Pacific Daylight Time

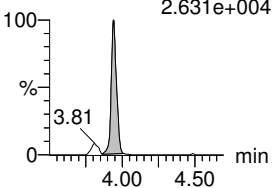
Name: 180419M2_15, Date: 19-Apr-2018, Time: 22:30:29, ID: B8D0071-BS1 OPR 0.25, Description: OPR

L-PFHxS

F17:MRM of 2 channels,ES-
398.9 > 79.6
3.828e+004

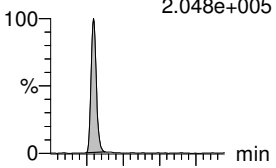


F17:MRM of 2 channels,ES-
398.9 > 99.0
2.631e+004

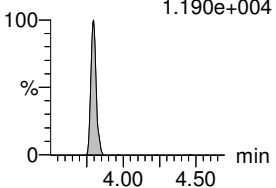


PFHpA

F15:MRM of 2 channels,ES-
363.0 > 318.9
2.048e+005

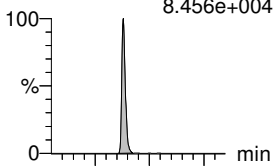


F15:MRM of 2 channels,ES-
363.0 > 169.0
1.190e+004

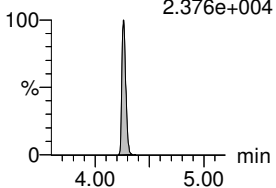


6:2 FTS

F23:MRM of 2 channels,ES-
427.1 > 407
8.456e+004

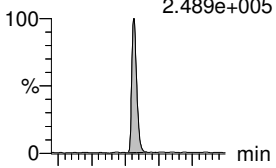


F23:MRM of 2 channels,ES-
427.1 > 80
2.376e+004

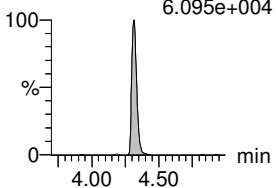


L-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
2.489e+005

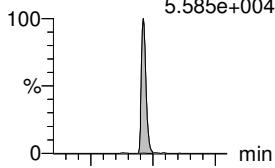


F20:MRM of 2 channels,ES-
413 > 169
6.095e+004

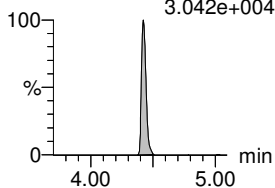


PFHpS

F25:MRM of 2 channels,ES-
449 > 80.0
5.585e+004

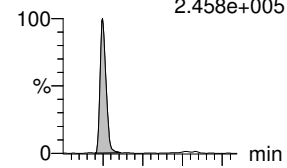


F25:MRM of 2 channels,ES-
449 > 98.7
3.042e+004

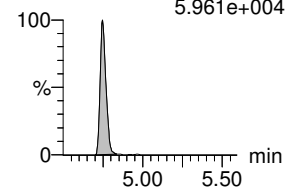


PFNA

F26:MRM of 2 channels,ES-
463.0 > 418.8
2.458e+005

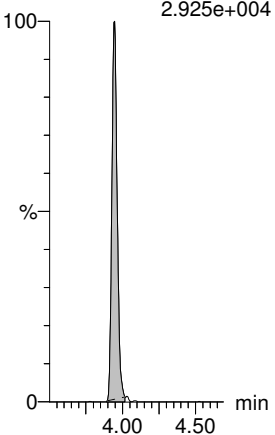


F26:MRM of 2 channels,ES-
463.0 > 219.0
5.961e+004



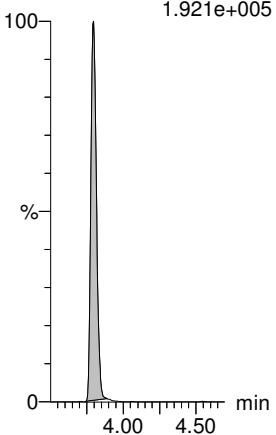
18O2-PFHxS

F19:MRM of 1 channel,ES-
403.0 > 102.6
2.925e+004



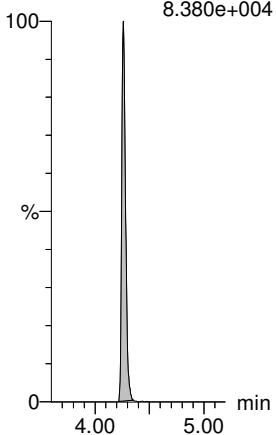
13C4-PFHpA

F16:MRM of 1 channel,ES-
367.2 > 321.8
1.921e+005



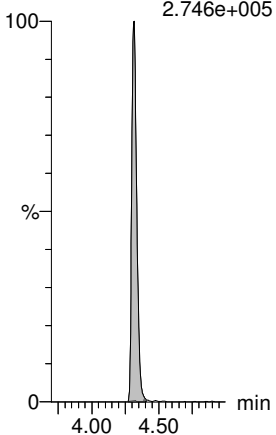
13C2-6:2 FTS

F24:MRM of 1 channel,ES-
429.1 > 408.9
8.380e+004



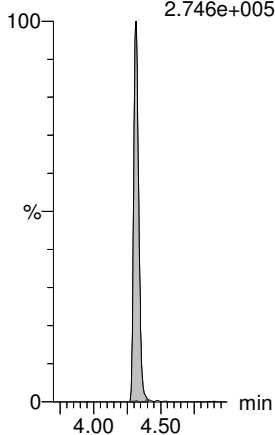
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
2.746e+005



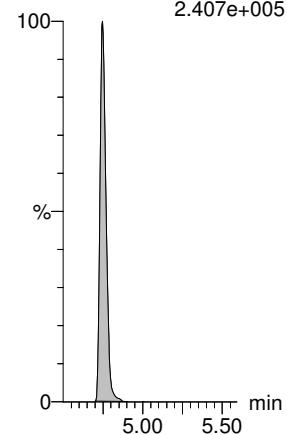
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
2.746e+005



13C5-PFNA

F27:MRM of 1 channel,ES-
468.2 > 422.9
2.407e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-15.qld

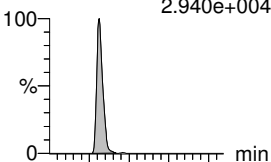
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Printed: Friday, April 27, 2018 10:35:35 Pacific Daylight Time

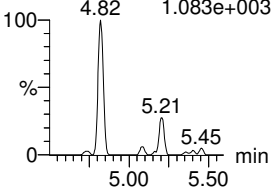
Name: 180419M2_15, Date: 19-Apr-2018, Time: 22:30:29, ID: B8D0071-BS1 OPR 0.25, Description: OPR

PFOSA

F29:MRM of 2 channels,ES-
498.2 > 77.9
2.940e+004

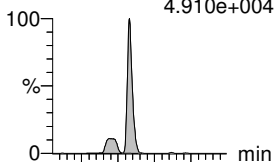


F29:MRM of 2 channels,ES-
498.2 > 169.1
1.083e+003

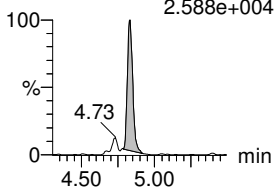


L-PFOS

F31:MRM of 2 channels,ES-
499.1 > 79.9
4.910e+004

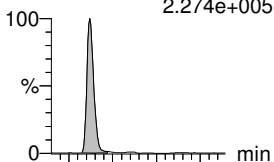


F31:MRM of 2 channels,ES-
499.1 > 98.9
2.588e+004

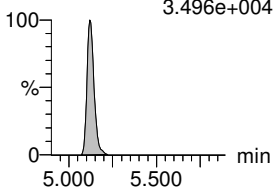


PFDA

F36:MRM of 2 channels,ES-
513 > 468.8
2.274e+005

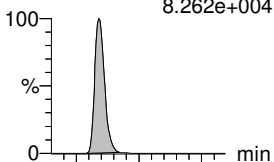


F36:MRM of 2 channels,ES-
513 > 219
3.496e+004

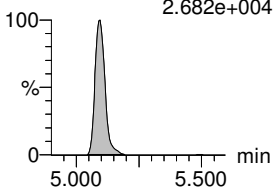


8:2 FTS

F41:MRM of 2 channels,ES-
527 > 506.9
8.262e+004

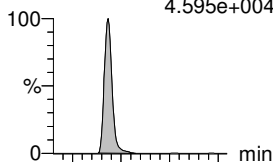


F41:MRM of 2 channels,ES-
527 > 80
2.682e+004

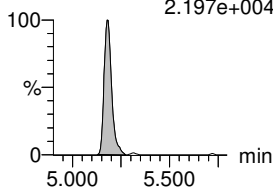


PFNS

F44:MRM of 2 channels,ES-
549.1 > 80.1
4.595e+004

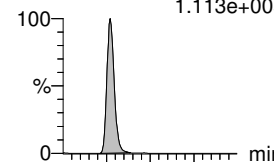


F44:MRM of 2 channels,ES-
549.1 > 99.1
2.197e+004

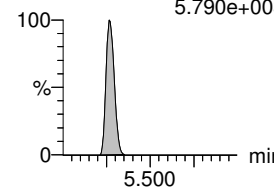


N-MeFOSAA

F47:MRM of 2 channels,ES-
570.1 > 419
1.113e+005

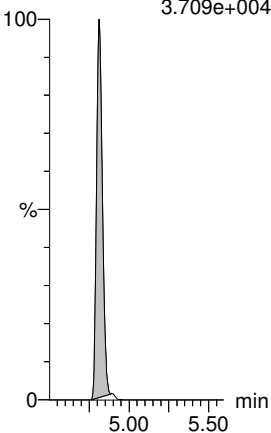


F47:MRM of 2 channels,ES-
570.1 > 483.0
5.790e+003



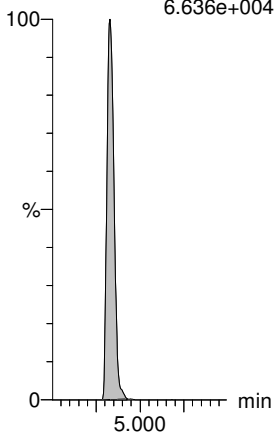
13C8-PFOSA

F33:MRM of 1 channel,ES-
506.1 > 77.7
3.709e+004



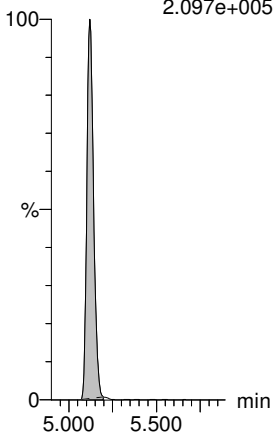
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
6.636e+004



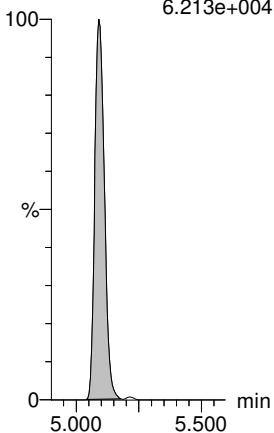
13C2-PFDA

F37:MRM of 1 channel,ES-
515.1 > 469.9
2.097e+005



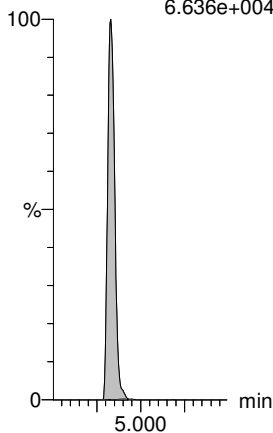
13C2-8:2 FTS

F42:MRM of 1 channel,ES-
529.1 > 508.7
6.213e+004



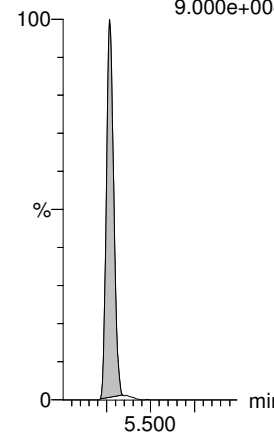
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
6.636e+004



d3-N-MeFOSAA

F49:MRM of 1 channel,ES-
573.3 > 419
9.000e+004



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-15.qld

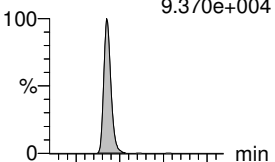
Last Altered: Friday, April 27, 2018 10:34:40 Pacific Daylight Time

Printed: Friday, April 27, 2018 10:35:35 Pacific Daylight Time

Name: 180419M2_15, Date: 19-Apr-2018, Time: 22:30:29, ID: B8D0071-BS1 OPR 0.25, Description: OPR

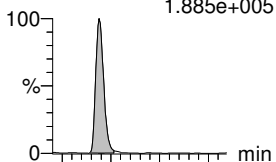
N-EtFOSAA

F50:MRM of 2 channels,ES-
584.2 > 419
9.370e+004



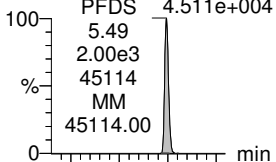
PFUdA

F45:MRM of 2 channels,ES-
563.0 > 518.9
1.885e+005



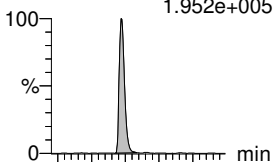
PFDS

F52:MRM of 2 channels,ES-
598.8 > 80
4.511e+004



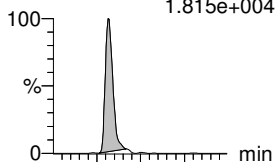
PFDoA

F53:MRM of 4 channels,ES-
612.9 > 569.0
1.952e+005



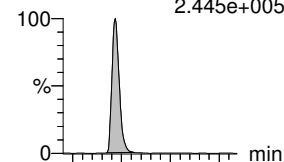
N-MeFOSA

F35:MRM of 2 channels,ES-
512.1 > 168.9
1.815e+004

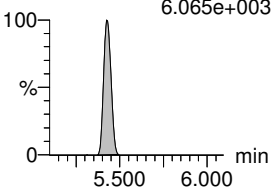


PFTrDA

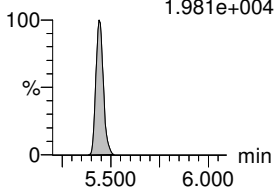
F59:MRM of 2 channels,ES-
662.9 > 618.9
2.445e+005



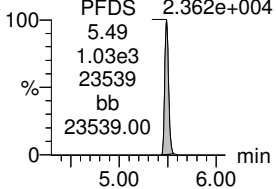
F50:MRM of 2 channels,ES-
584.2 > 483.0
6.065e+003



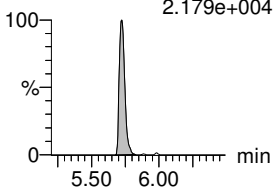
F45:MRM of 2 channels,ES-
563.0 > 269
1.981e+004



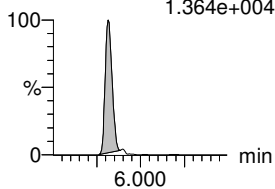
F52:MRM of 2 channels,ES-
598.8 > 98.7
2.362e+004



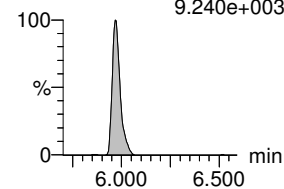
F53:MRM of 4 channels,ES-
612.9 > 318.8
2.179e+004



F35:MRM of 2 channels,ES-
512.1 > 219
1.364e+004

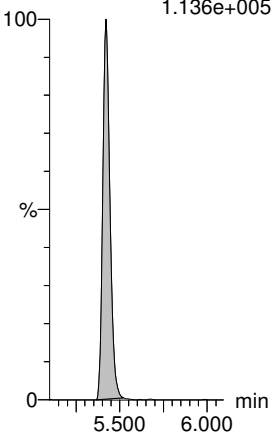


F59:MRM of 2 channels,ES-
662.9 > 319
9.240e+003



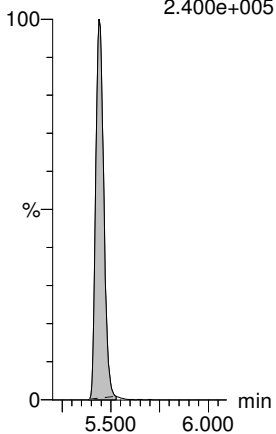
d5-N-EtFOSAA

F51:MRM of 1 channel,ES-
589.3 > 419
1.136e+005



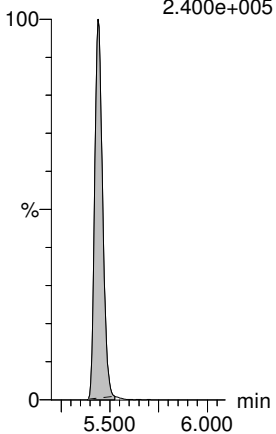
13C2-PFUdA

F46:MRM of 1 channel,ES-
565 > 519.8
2.400e+005



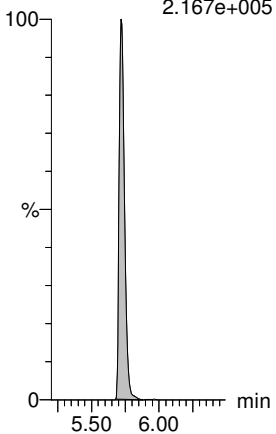
13C2-PFUdA

F46:MRM of 1 channel,ES-
565 > 519.8
2.400e+005



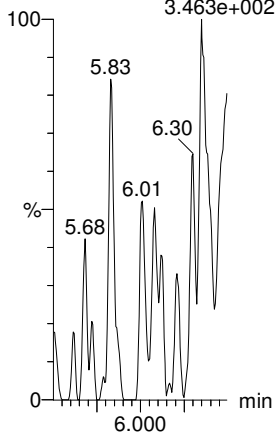
13C2-PFDoA

F54:MRM of 2 channels,ES-
615.0 > 569.7
2.167e+005



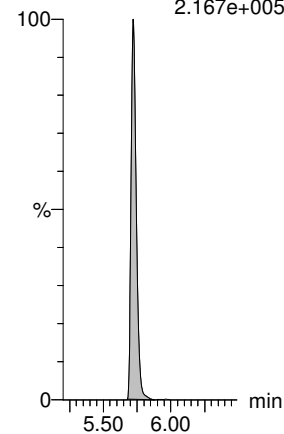
d3-N-MeFOSA

F38:MRM of 1 channel,ES-
515.2 > 168.9
3.463e+002



13C2-PFDoA

F54:MRM of 2 channels,ES-
615.0 > 569.7
2.167e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-15.qld

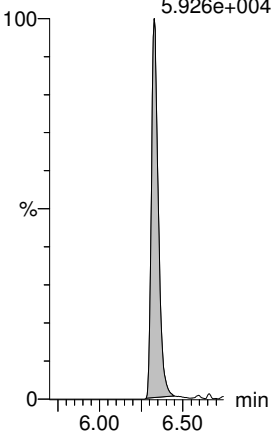
Last Altered: Friday, April 27, 2018 10:34:40 Pacific Daylight Time

Printed: Friday, April 27, 2018 10:35:35 Pacific Daylight Time

Name: 180419M2_15, Date: 19-Apr-2018, Time: 22:30:29, ID: B8D0071-BS1 OPR 0.25, Description: OPR

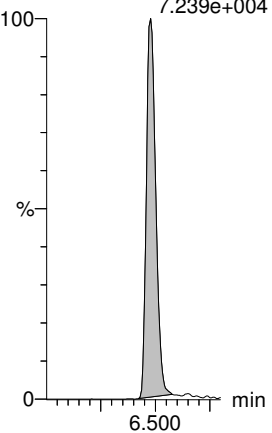
N-MeFOSE

F55:MRM of 1 channel,ES-
616.1 > 58.9
5.926e+004



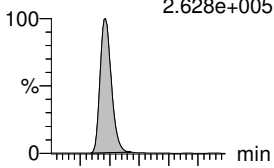
N-EtFOSE

F56:MRM of 1 channel,ES-
630.1 > 58.9
7.239e+004

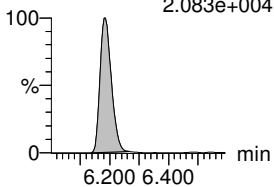


PFTeDA

F60:MRM of 2 channels,ES-
712.9 > 668.8
2.628e+005

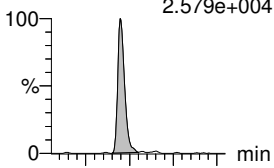


F60:MRM of 2 channels,ES-
712.9 > 369
2.083e+004

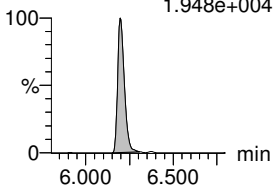


N-EtFOSA

F40:MRM of 2 channels,ES-
526.1 > 168.9
2.579e+004

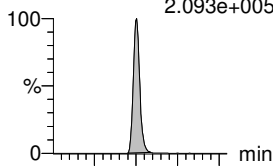


F40:MRM of 2 channels,ES-
526.1 > 219
1.948e+004

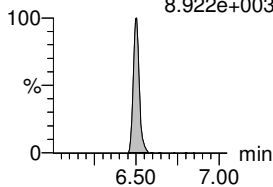


PFHxDA

F62:MRM of 2 channels,ES-
813.1 > 768.6
2.093e+005

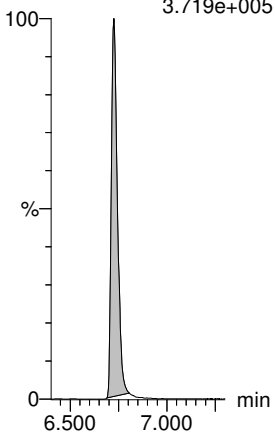


F62:MRM of 2 channels,ES-
813.1 > 219
8.922e+003



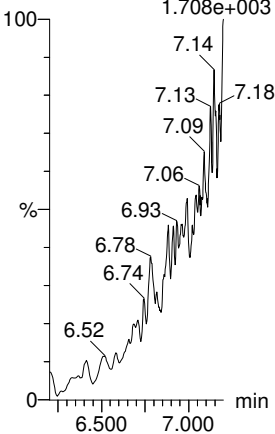
PFODA

F64:MRM of 1 channel,ES-
913.1 > 868.8
3.719e+005



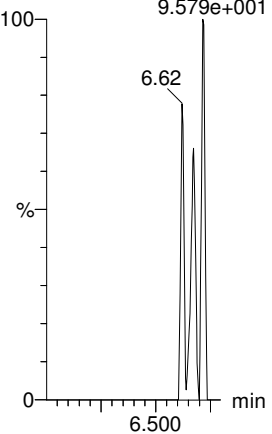
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
1.708e+003



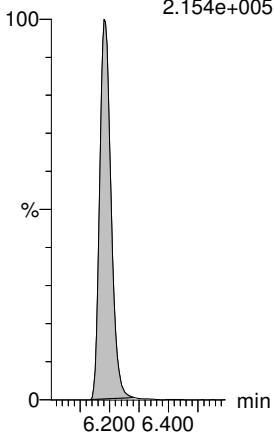
d9-N-EtFOSE

F58:MRM of 1 channel,ES-
639.2 > 58.8
9.579e+001



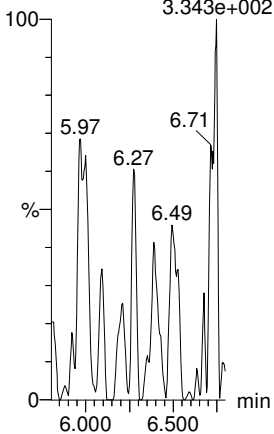
13C2-PFTeDA

F61:MRM of 2 channels,ES-
714.8 > 669.6
2.154e+005



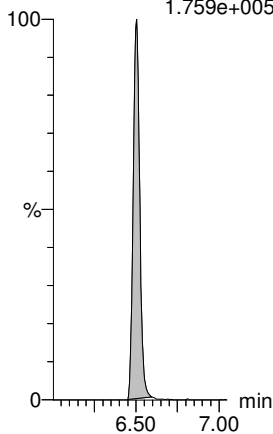
d5-N-ETFOSA

F43:MRM of 1 channel,ES-
531.1 > 168.9
3.343e+002



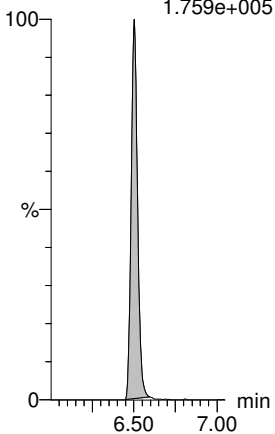
13C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
1.759e+005



13C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
1.759e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-15.qld

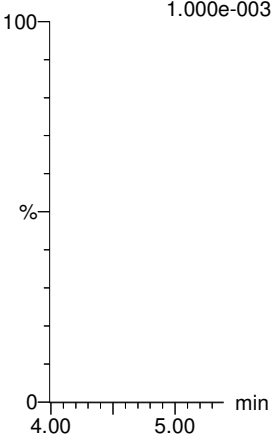
Last Altered: Friday, April 27, 2018 10:34:40 Pacific Daylight Time

Printed: Friday, April 27, 2018 10:35:35 Pacific Daylight Time

Name: 180419M2_15, Date: 19-Apr-2018, Time: 22:30:29, ID: B8D0071-BS1 OPR 0.25, Description: OPR

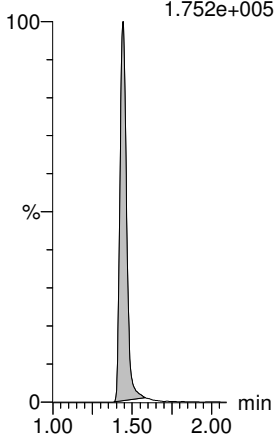
TCDA

F30:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



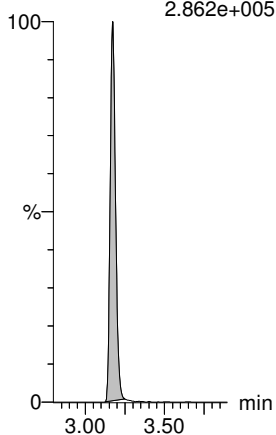
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.752e+005



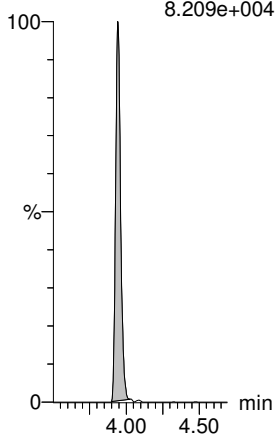
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
2.862e+005



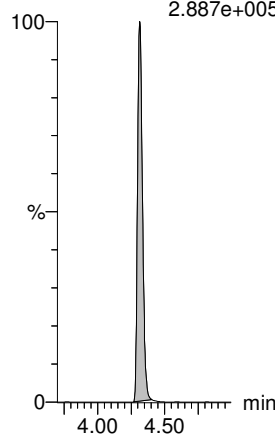
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
8.209e+004



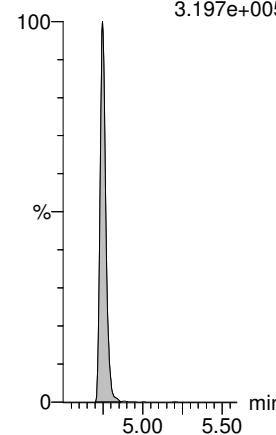
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
2.887e+005



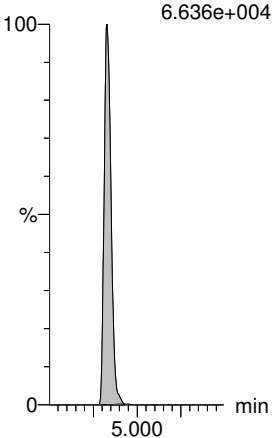
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
3.197e+005



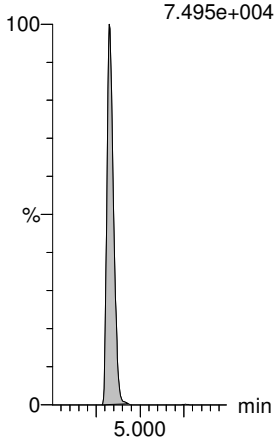
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
6.636e+004



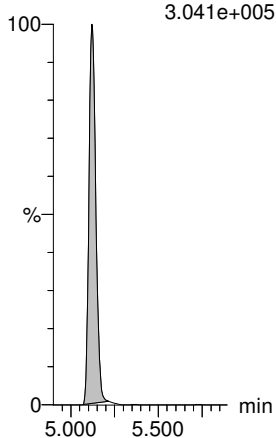
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
7.495e+004



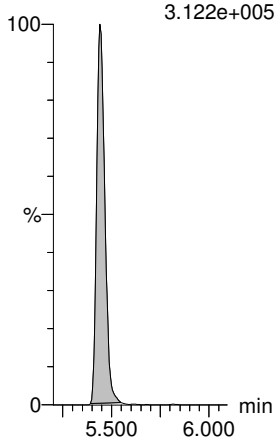
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
3.041e+005



13C7-PFUDa

F48:MRM of 1 channel,ES-
570.1 > 524.8
3.122e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-17.qld

Last Altered: Tuesday, May 01, 2018 14:42:54 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:01:04 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_17, Date: 19-Apr-2018, Time: 22:53:28, ID: 1800644-01 EB-0406181400 0.25809, Description: EB-0406181400

#	Name	Trace	Area	IS Area	wt/vol RRF M...	Pred.RT	RT	Response	Conc.	%Rec	
1	1 PFBA	213.0 > 168.8		7838.9	0.258	1.56					
2	2 PFPeA	263.1 > 218.9		9847.7	0.258	2.54					
3	3 PFBS	299.0 > 79.7		1505.3	0.258	2.81					
4	4 4:2 FTS	327.2>307.2		1505.3	0.258	3.21					
5	5 PFHxA	313.2 > 268.9		3337.9	0.258	3.30					
6	6 PFPeS	349.1>80.1		1505.3	0.258	3.50					
7	7 PFHpA	363.0 > 318.9		8938.9	0.258	3.92					
8	8 L-PFHxS	398.9 > 79.6		1259.0	0.258	4.06					
9	9 Br-PFHxS	398.9 > 79.6		1259.0	0.258	3.94					
10	10 6:2 FTS	427.1 > 407		2881.3	0.258	4.38					
11	11 L-PFOA	413 > 368.7	245.1	13389.0	0.258	4.30	4.31	0.229	0.220		
12	12 Br-PFOA	413 > 368.7		13389.0	0.258	4.16					
13	13 PFHpS	449 > 80.0		13389.0	0.258	4.54					
14	14 PFNA	463.0 > 418.8		10294.0	0.258	4.87					
15	15 PFOSA	498.2 > 77.9		2126.1	0.258	4.93					
16	16 L-PFOS	499.1 > 79.9		2909.3	0.258	4.90					
17	17 Br-PFOS	499.1 > 79.9		2909.3	0.258	4.15					
18	18 PFDA	513 > 468.8		9015.7	0.258	5.24					
19	19 8:2 FTS	527 > 506.9		2305.5	0.258	5.21					
20	20 PFNS	549.1>80.1		2909.3	0.258	5.30					
21	21 N-MeFOSAA	570.1 > 419		4282.5	0.258	5.39					
22	22 N-EtFOSAA	584.2 > 419		4776.4	0.258	5.55					
23	23 PFUdA	563.0 > 518.9		10003.9	0.258	5.56					
24	24 PFDS	598.8 > 80		10003.9	0.258	5.61					
25	25 PFDoA	612.9 > 569.0		9736.0	0.258	5.84					
26	27 PFTrDA	662.9 > 618.9		9736.0	0.258	6.10					
27	28 PFTeDA	712.9 > 668.8		8127.9	0.258	6.30					
28	34 13C3-PFBA	216.1 > 171.8	7838.9	8812.7	0.258	0.908	1.56	1.45	11.119	47.468	98.0
29	35 13C3-PFPeA	266. > 221.8	9847.7	11545.9	0.258	0.868	2.54	2.40	10.662	47.564	98.2
30	36 13C3-PFBS	302. > 98.8	1505.3	11545.9	0.258	0.131	2.81	2.68	1.630	48.105	99.3
31	37 13C2-PFHxA	315 > 269.8	3337.9	11545.9	0.258	0.735	3.30	3.17	3.614	19.050	98.3
32	38 13C4-PFHpA	367.2 > 321.8	8938.9	11545.9	0.258	0.768	3.92	3.80	9.678	48.838	100.8

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-17.qld

Last Altered: Tuesday, May 01, 2018 14:42:54 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:01:04 Pacific Daylight Time

Name: 180419M2_17, Date: 19-Apr-2018, Time: 22:53:28, ID: 1800644-01 EB-0406181400 0.25809, Description: EB-0406181400

	# Name	Trace	Area	IS Area	wt/vol RRF M...	Pred.RT	RT	Response	Conc.	%Rec
33	39 18O2-PFHxS	403.0 > 102.6	1259.0	2909.6	0.258 0.456	4.06	3.94	5.409	45.939	94.9
34	40 13C2-6:2 FTS	429.1 > 408.9	2881.3	12114.2	0.258 0.287	4.38	4.26	2.973	40.120	82.8
35	41 13C2-PFOA	414.9 > 369.7	13389.0	12114.2	0.258 1.104	4.43	4.31	13.815	48.470	100.1
36	42 13C5-PFNA	468.2 > 422.9	10294.0	12470.2	0.258 0.960	4.87	4.75	10.319	41.634	86.0
37	43 13C8-PFOSA	506.1 > 77.7	2126.1	14698.0	0.258 0.199	4.93	4.81	1.808	35.124	72.5
38	44 13C8-PFOS	507.0 > 79.9	2909.3	2629.8	0.258 1.045	4.95	4.83	13.828	51.282	105.9
39	45 13C2-PFDA	515.1 > 469.9	9015.7	12872.5	0.258 0.902	5.24	5.12	8.755	37.593	77.6
40	46 13C2-8:2 FTS	529.1 > 508.7	2305.5	11545.9	0.258 0.222	5.21	5.09	2.496	43.539	89.9
41	47 d3-N-MeFOSAA	573.3 > 419	4282.5	14698.0	0.258 0.375	5.39	5.27	3.642	37.621	77.7
42	48 d5-N-EtFOSAA	589.3 > 419	4776.4	14698.0	0.258 0.416	5.55	5.42	4.062	37.805	78.1
43	49 13C2-PFUdA	565 > 519.8	10003.9	14698.0	0.258 0.919	5.56	5.44	8.508	35.872	74.1
44	50 13C2-PFDoA	615.0 > 569.7	9736.0	14698.0	0.258 0.856	5.84	5.72	8.280	37.486	77.4
45	52 13C2-PFTeDA	714.8 > 669.6	8127.9	14698.0	0.258 0.725	6.30	6.18	6.912	36.947	76.3

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-17.qld

Last Altered: Tuesday, May 01, 2018 14:42:54 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:01:22 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_17, Date: 19-Apr-2018, Time: 22:53:28, ID: 1800644-01 EB-0406181400 0.25809, Description: EB-0406181400

#	Name	Trace	Area	IS Area	wt/vol	RRF M...	Pred.RT	RT	Response	Conc.	%Rec
1	72 13C2-4:2 FTS	329.2>308.9	3248.4	11545.9	0.258	0.285	3.38	3.08	3.517	47.876	98.9
2	65 Total PFHxS	398.9 > 79.6	0.0	1259.0	0.258		4.05		0.000		
3	66 Total PFOA	413 > 368.7	245.1	13389.0	0.258		4.30		0.229	0.220	
4	67 Total PFOS	499.1 > 79.9	0.0	2909.3	0.258		4.90		0.000		
5	68 Total N-MeFOSAA	570.1 > 419	0.0	4282.5	0.258		5.55		0.000		
6	69 Total N-EtFOSAA	584.2 > 419	0.0	4776.4	0.258		5.70		0.000		
7	57 13C4-PFBA	217. > 171.8	8812.7	8812.7	0.258	1.000	1.56	1.45	12.500	48.433	100.0
8	58 13C5-PFHxA	318 > 272.9	11545.9	11545.9	0.258	1.000	3.30	3.17	12.500	48.433	100.0
9	59 13C3-PFHxS	401.9 > 79.9	2909.6	2909.6	0.258	1.000	4.04	3.94	12.500	48.433	100.0
10	60 13C8-PFOA	421.3 > 376	12114.2	12114.2	0.258	1.000	4.43	4.31	12.500	48.433	100.0
11	61 13C9-PFNA	472.2 > 426.9	12470.2	12470.2	0.258	1.000	4.87	4.75	12.500	48.433	100.0
12	62 13C4-PFOS	503 > 79.9	2629.8	2629.8	0.258	1.000	4.95	4.83	12.500	48.433	100.0
13	63 13C6-PFDA	519.1 > 473.7	12872.5	12872.5	0.258	1.000	5.24	5.12	12.500	48.433	100.0
14	64 13C7-PFUDa	570.1 > 524.8	14698.0	14698.0	0.258	1.000	5.56	5.44	12.500	48.433	100.0

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-17.qld

Last Altered: Tuesday, May 01, 2018 14:42:54 Pacific Daylight Time

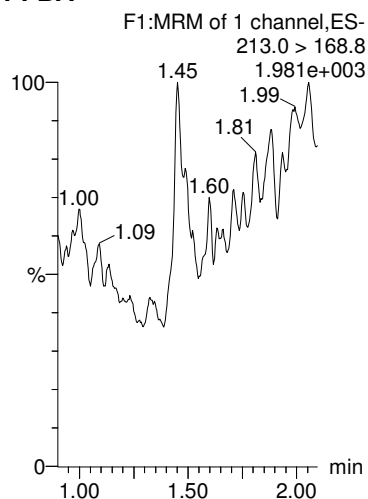
Printed: Tuesday, May 01, 2018 16:01:22 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

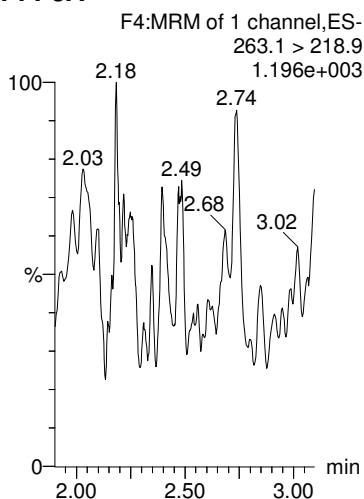
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Name: 180419M2_17, Date: 19-Apr-2018, Time: 22:53:28, ID: 1800644-01 EB-0406181400 0.25809, Description: EB-0406181400

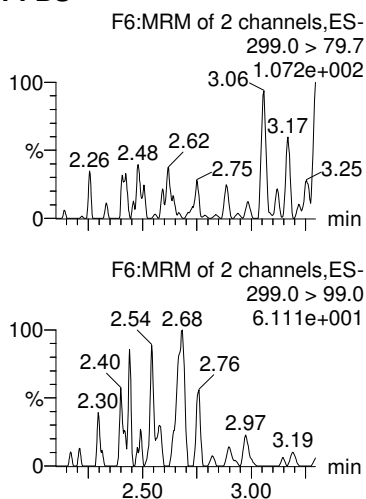
PFBA



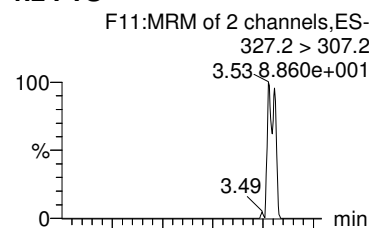
PFPeA



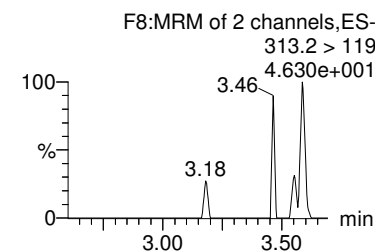
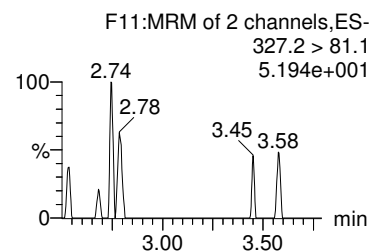
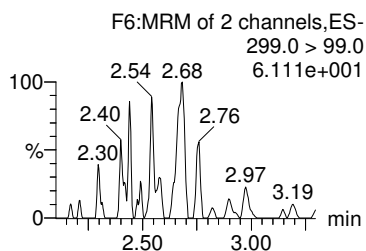
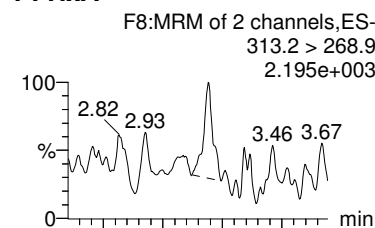
PFBS



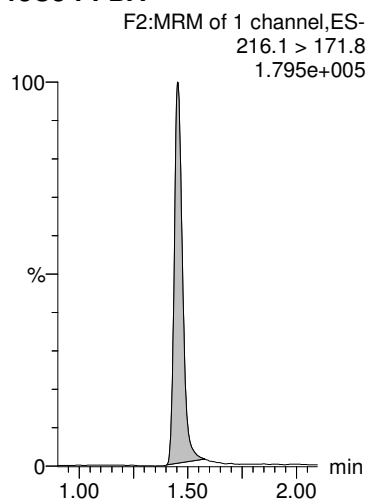
4:2 FTS



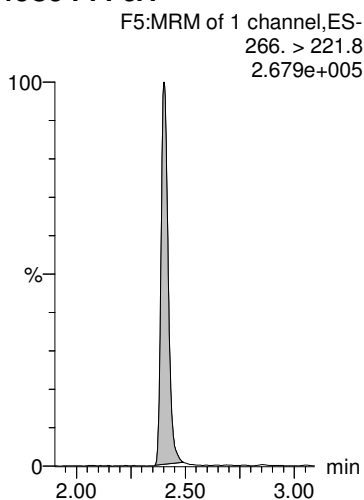
PFHxA



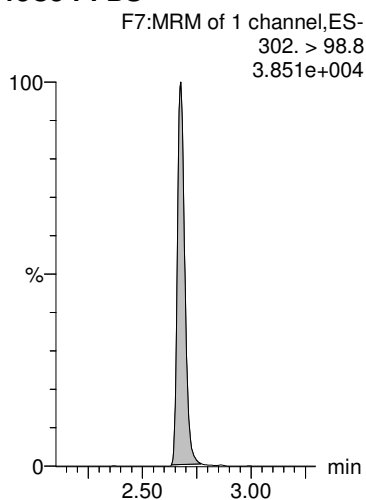
13C3-PFBA



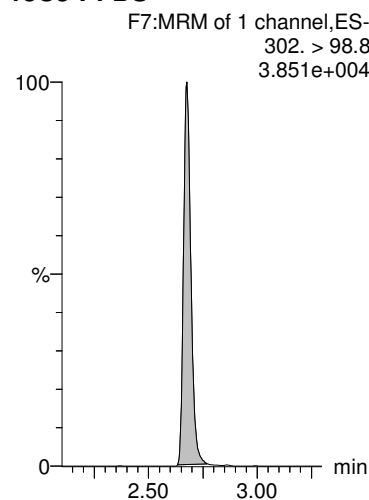
13C3-PFPeA



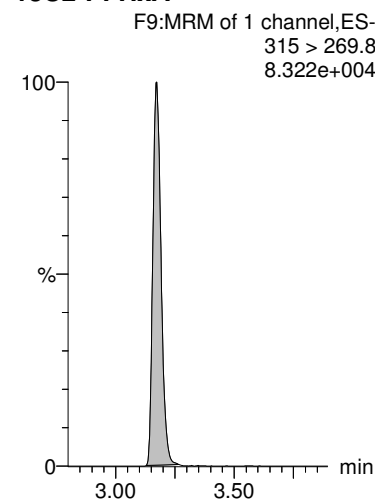
13C3-PFBS



13C3-PFBS



13C2-PFHxA



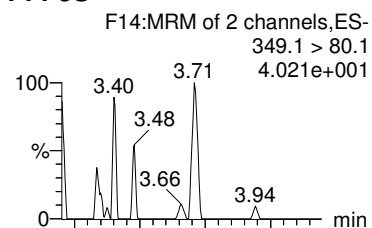
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Last Altered: Tuesday, May 01, 2018 14:42:54 Pacific Daylight Time

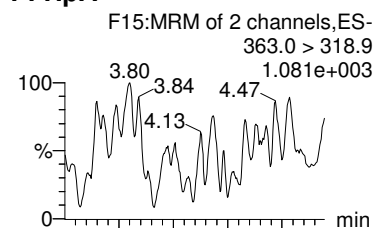
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Name: 180419M2_17, Date: 19-Apr-2018, Time: 22:53:28, ID: 1800644-01 EB-0406181400 0.25809, Description: EB-0406181400

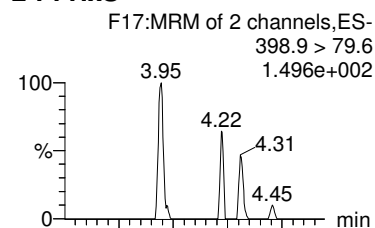
PFPeS



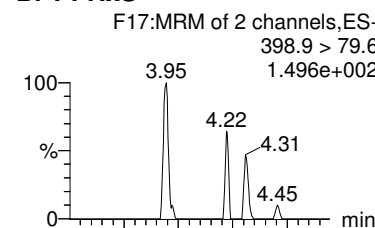
PFHpA



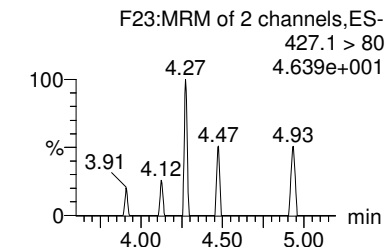
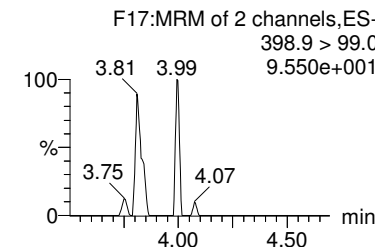
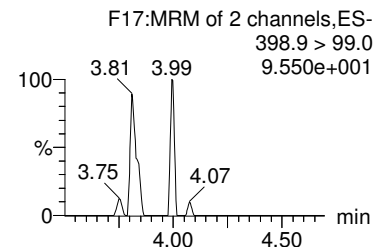
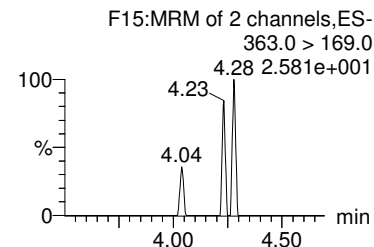
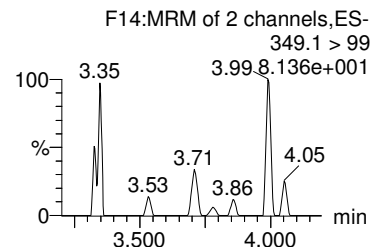
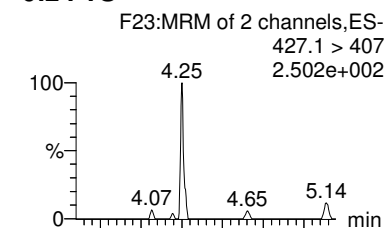
L-PFHxS



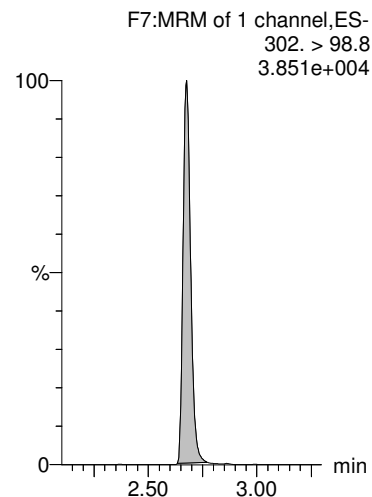
Br-PFHxS



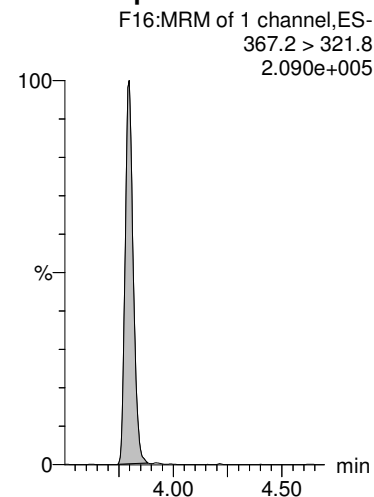
6:2 FTS



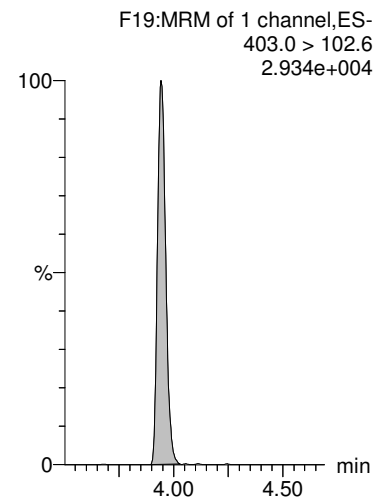
13C3-PFBS



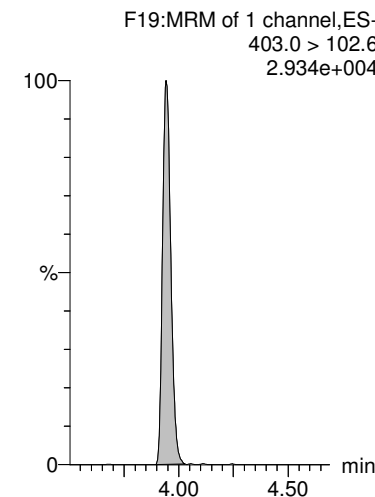
13C4-PFHpA



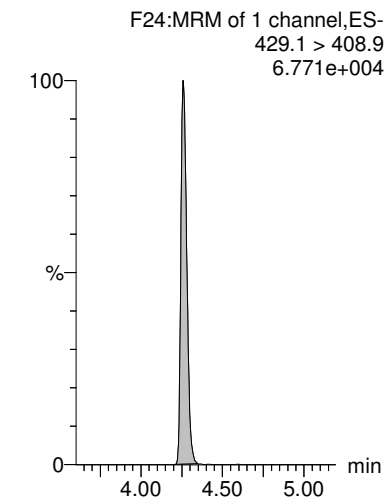
18O2-PFHxS



18O2-PFHxS



13C2-6:2 FTS



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-17.qld

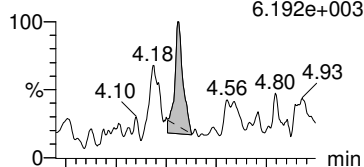
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Name: 180419M2_17, Date: 19-Apr-2018, Time: 22:53:28, ID: 1800644-01 EB-0406181400 0.25809, Description: EB-0406181400

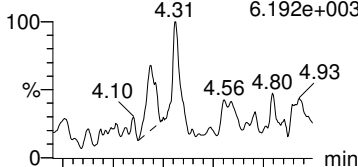
L-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
6.192e+003



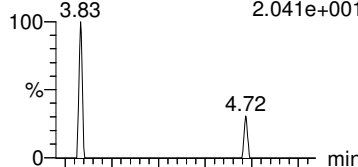
Br-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
6.192e+003



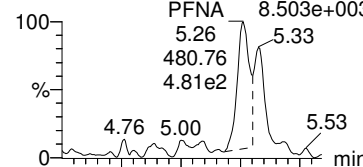
PFHpS

F25:MRM of 2 channels,ES-
449 > 80.0
2.041e+001



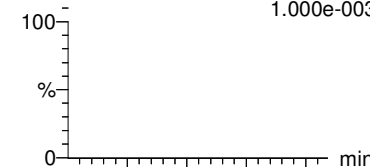
PFNA

F26:MRM of 2 channels,ES-
463.0 > 418.8
8.503e+003

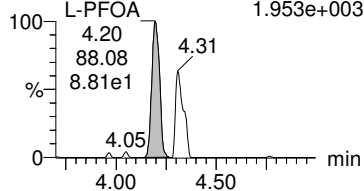


PFOSA

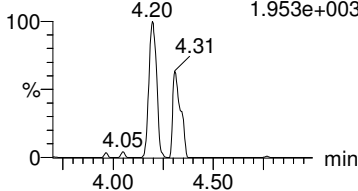
F29:MRM of 2 channels,ES-
498.2 > 77.9
1.000e-003



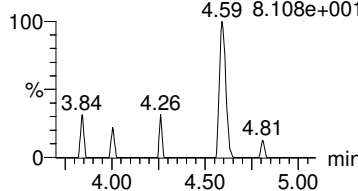
F20:MRM of 2 channels,ES-
413 > 169
1.953e+003



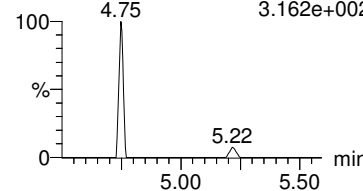
F20:MRM of 2 channels,ES-
413 > 169
1.953e+003



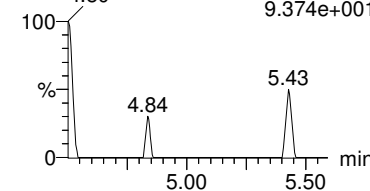
F25:MRM of 2 channels,ES-
449 > 98.7
8.108e+001



F26:MRM of 2 channels,ES-
463.0 > 219.0
3.162e+002

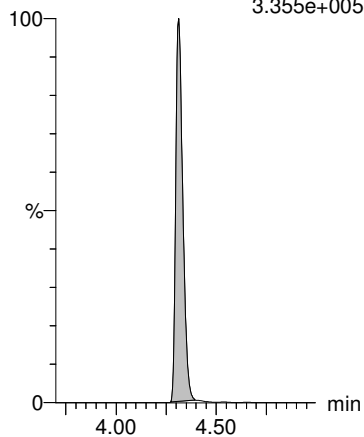


F29:MRM of 2 channels,ES-
498.2 > 169.1
9.374e+001



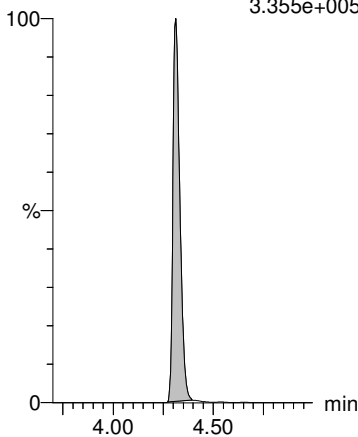
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.355e+005



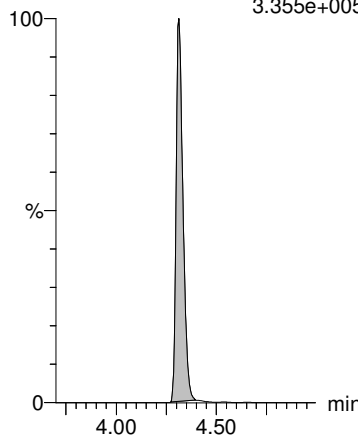
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.355e+005



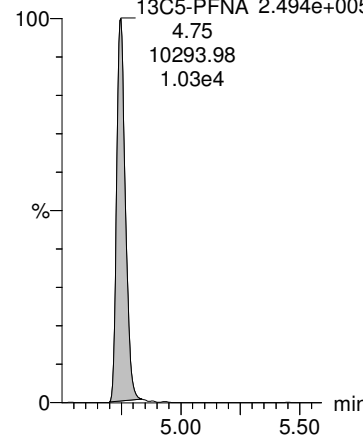
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.355e+005



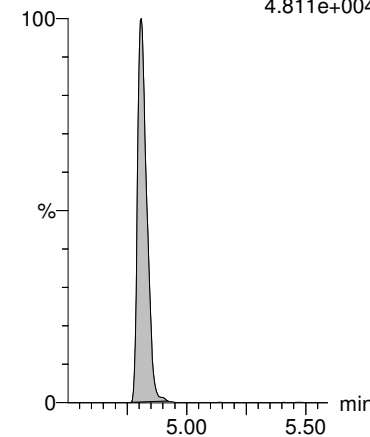
13C5-PFNA

F27:MRM of 1 channel,ES-
468.2 > 422.9
2.494e+005



13C8-PFOA

F33:MRM of 1 channel,ES-
506.1 > 77.7
4.811e+004



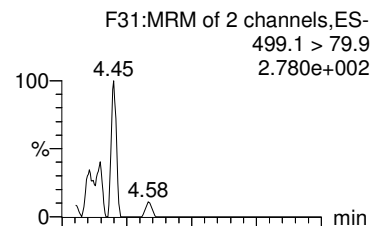
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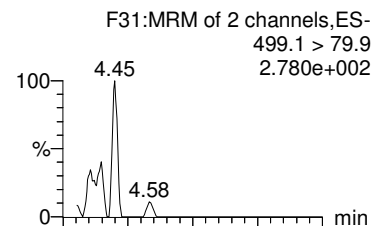
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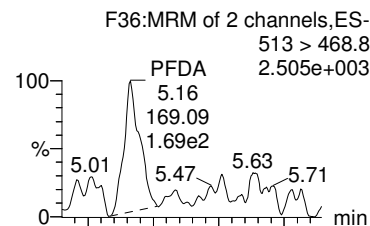
L-PFOS



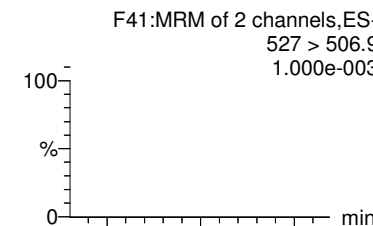
Br-PFOS



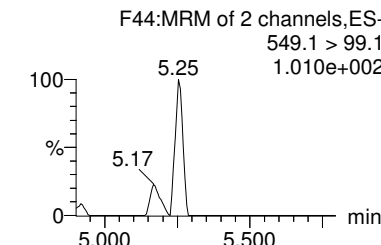
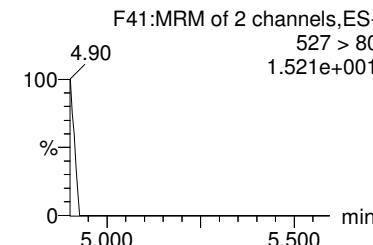
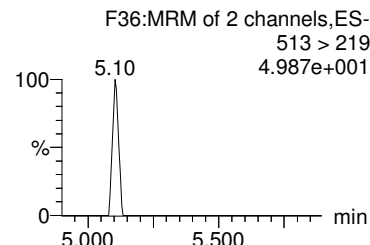
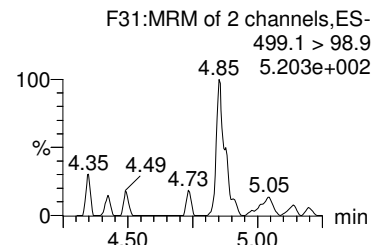
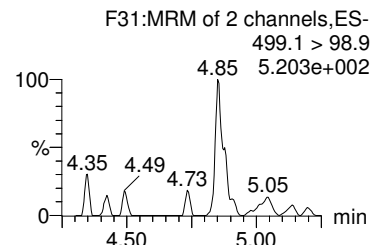
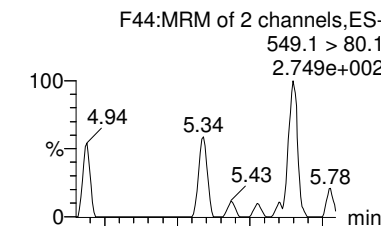
PFDA



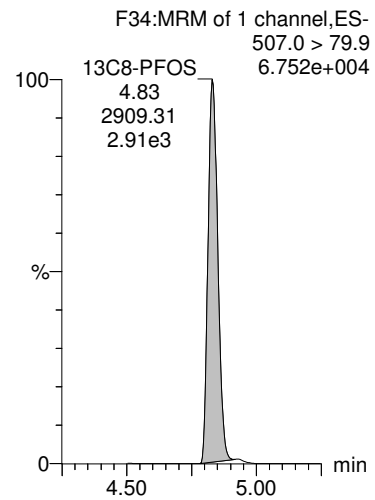
8:2 FTS



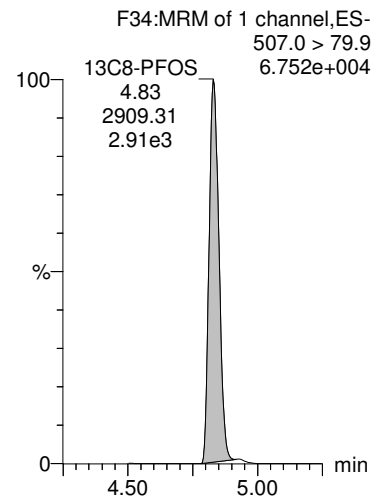
PFNS



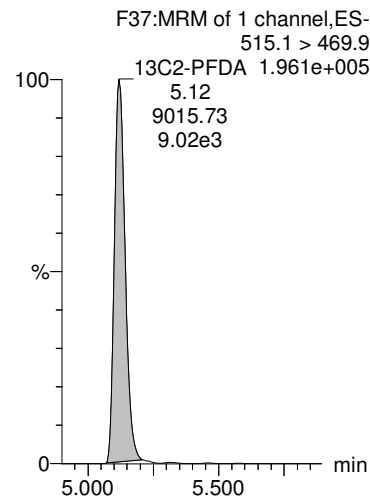
13C8-PFOS



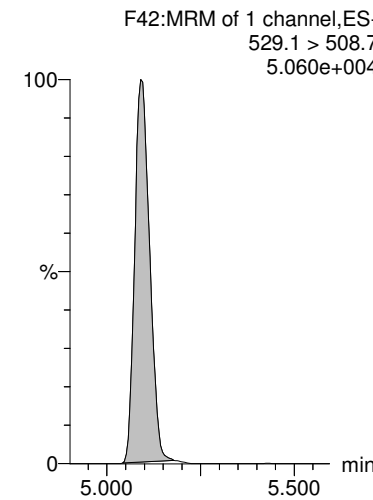
13C8-PFOS



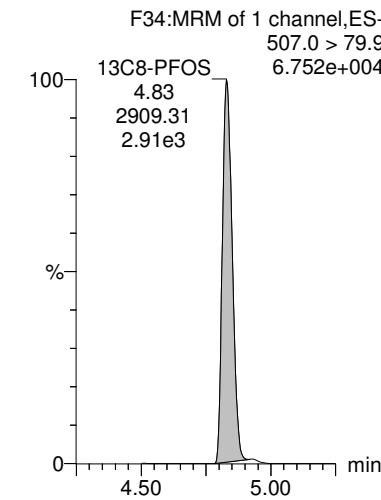
13C2-PFDA



13C2-8:2 FTS



13C8-PFOS



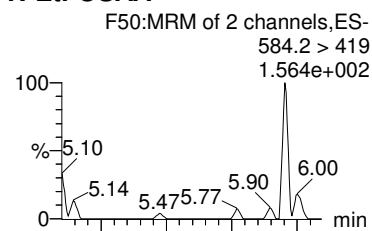
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-17.qld

Last Altered: Tuesday, May 01, 2018 14:42:54 Pacific Daylight Time

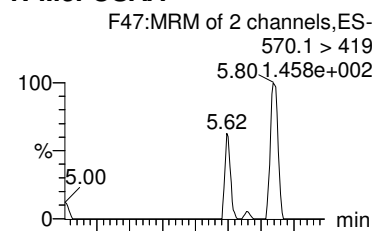
Printed: Tuesday, May 01, 2018 16:01:22 Pacific Daylight Time

Name: 180419M2_17, Date: 19-Apr-2018, Time: 22:53:28, ID: 1800644-01 EB-0406181400 0.25809, Description: EB-0406181400

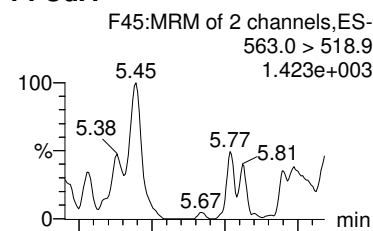
N-EtFOSAA



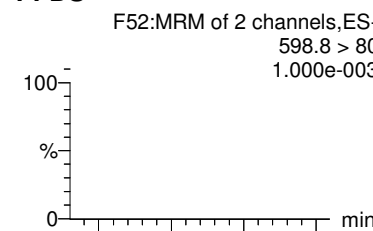
N-MeFOSAA



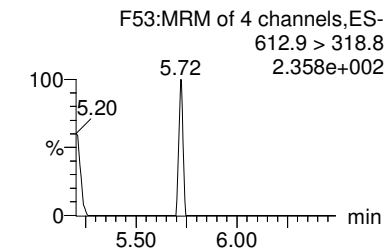
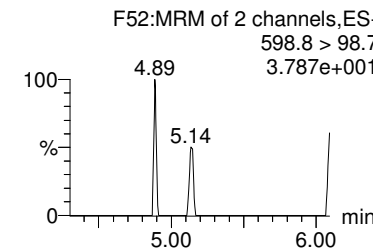
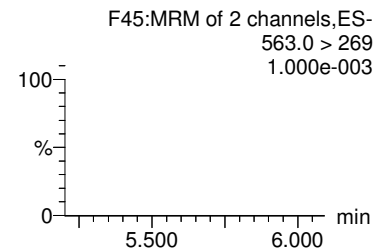
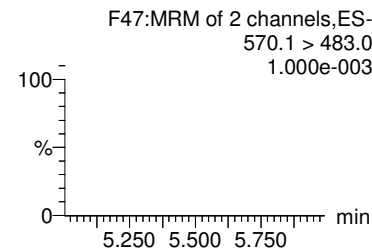
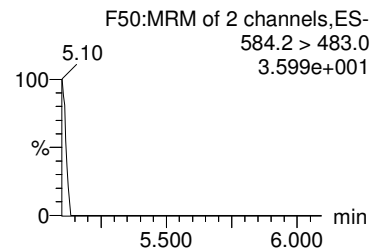
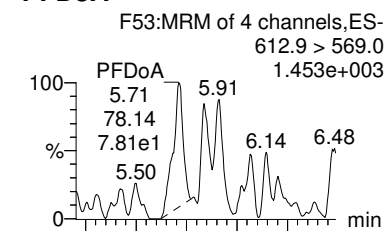
PFUdA



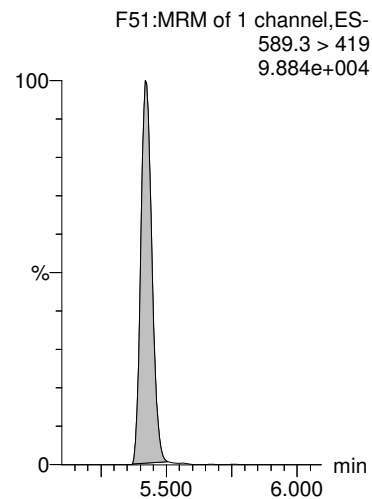
PFDS



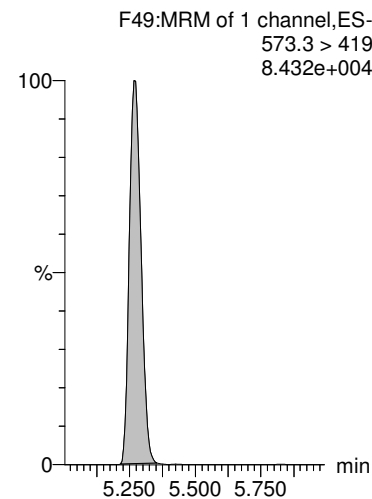
PFDoA



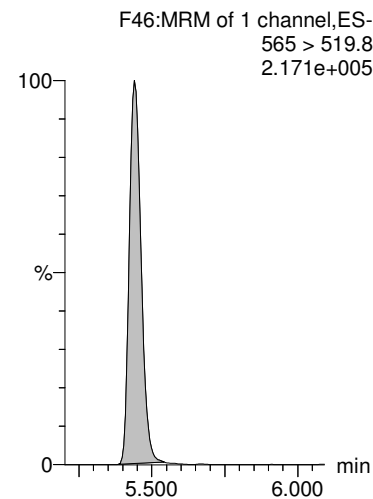
d5-N-EtFOSAA



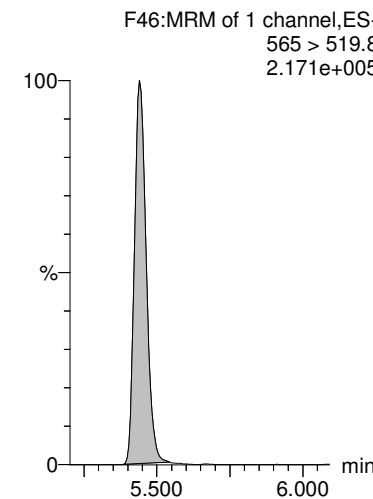
d3-N-MeFOSAA



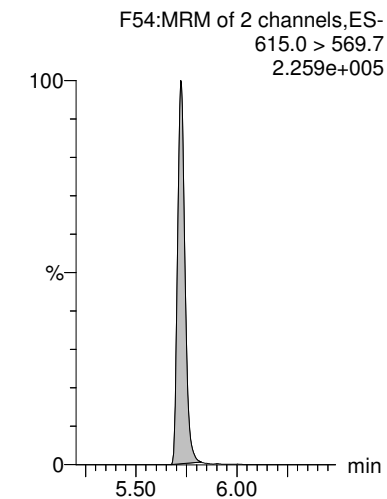
13C2-PFUdA



13C2-PFUdA



13C2-PFDoA



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-17.qld

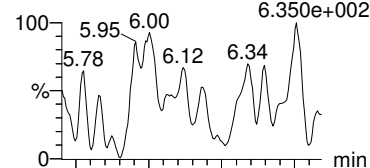
Last Altered: Tuesday, May 01, 2018 14:42:54 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:01:22 Pacific Daylight Time

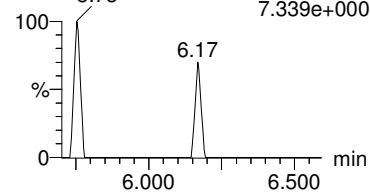
Name: 180419M2_17, Date: 19-Apr-2018, Time: 22:53:28, ID: 1800644-01 EB-0406181400 0.25809, Description: EB-0406181400

PFTrDA

F59:MRM of 2 channels,ES-
662.9 > 618.9
6.350e+002

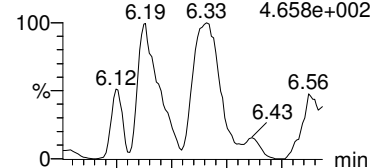


F59:MRM of 2 channels,ES-
662.9 > 319
7.339e+000

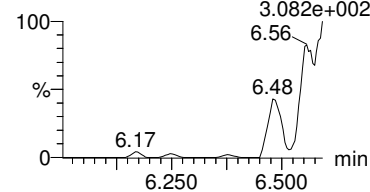


PFTeDA

F60:MRM of 2 channels,ES-
712.9 > 668.8
4.658e+002

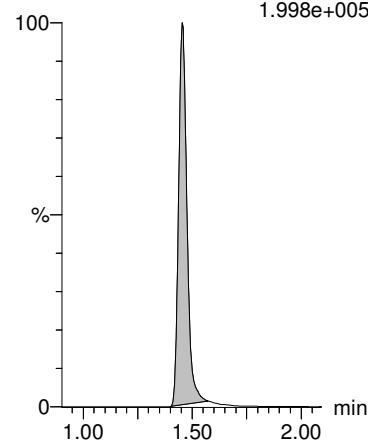


F60:MRM of 2 channels,ES-
712.9 > 369
3.082e+002



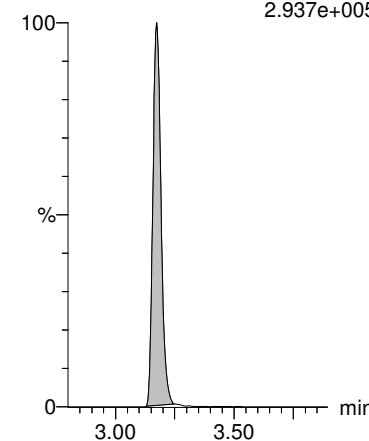
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.998e+005



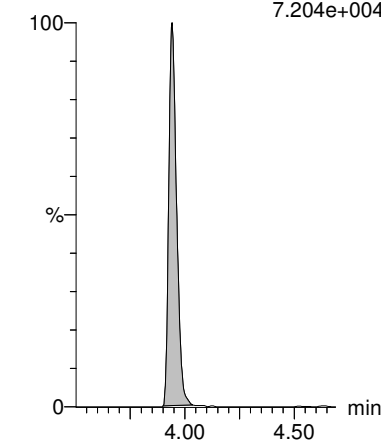
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
2.937e+005



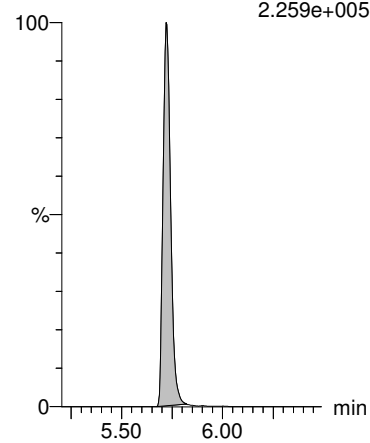
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
7.204e+004



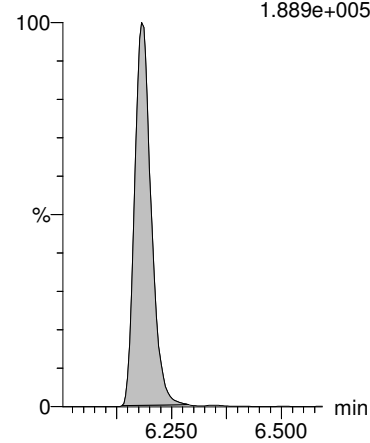
13C2-PFDoA

F54:MRM of 2 channels,ES-
615.0 > 569.7
2.259e+005



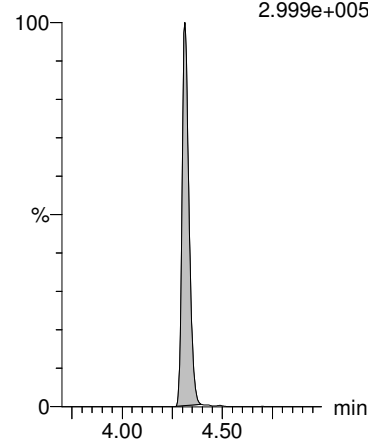
13C2-PFTeDA

F61:MRM of 2 channels,ES-
714.8 > 669.6
1.889e+005



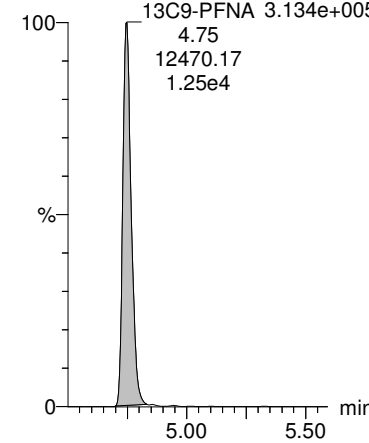
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
2.999e+005



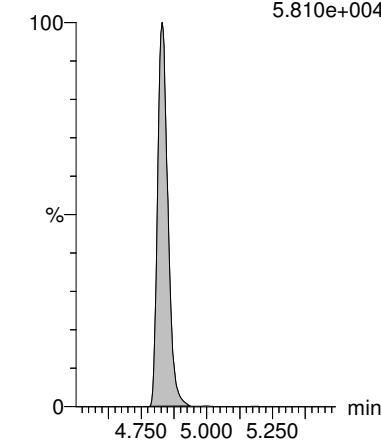
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
3.134e+005



13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
5.810e+004

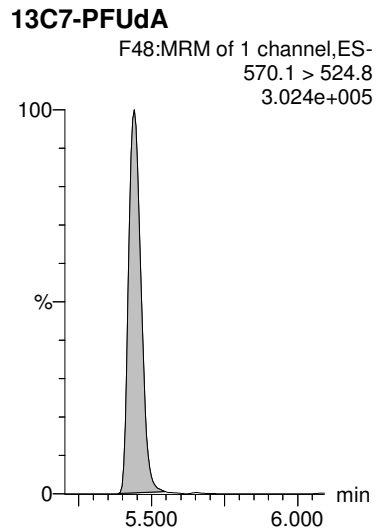
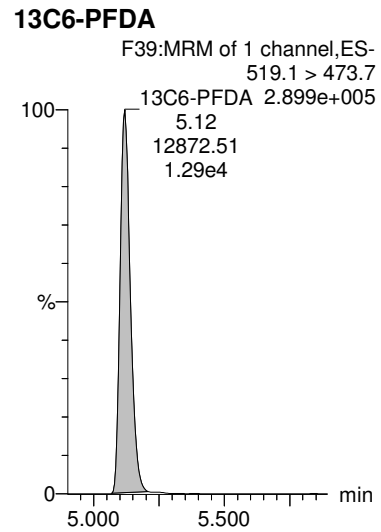


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-17.qld

Last Altered: Tuesday, May 01, 2018 14:42:54 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:01:22 Pacific Daylight Time

Name: 180419M2_17, Date: 19-Apr-2018, Time: 22:53:28, ID: 1800644-01 EB-0406181400 0.25809, Description: EB-0406181400



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-18.qld

Last Altered: Tuesday, May 01, 2018 15:02:40 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:03:01 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_18, Date: 19-Apr-2018, Time: 23:04:54, ID: 1800644-02 EB-0406181410 0.25812, Description: EB-0406181410

#	Name	Trace	Area	IS Area	wt/vol RRF M...	Pred.RT	RT	Response	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	156.0	8982.9	0.258	1.56	1.46	0.217	0.799	
2	2 PFPeA	263.1 > 218.9		10572.6	0.258	2.54				
3	3 PFBS	299.0 > 79.7	569.6	1784.4	0.258	2.81	2.68	3.990	8.435	
4	4 4:2 FTS	327.2>307.2		1784.4	0.258	3.21				
5	5 PFHxA	313.2 > 268.9		3571.0	0.258	3.30				
6	6 PFPeS	349.1>80.1		1784.4	0.258	3.50				
7	7 PFHpA	363.0 > 318.9		9976.0	0.258	3.92				
8	8 L-PFHxS	398.9 > 79.6		1539.7	0.258	4.06				
9	9 Br-PFHxS	398.9 > 79.6		1539.7	0.258	3.94				
10	10 6:2 FTS	427.1 > 407	25.4	3534.9	0.258	4.38	4.27	0.090	0.374	
11	11 L-PFOA	413 > 368.7	2226.2	13448.0	0.258	4.30	4.32	2.069	8.001	
12	12 Br-PFOA	413 > 368.7	1832.7	13448.0	0.258	4.16	4.19	1.704	6.455	
13	13 PFHpS	449 > 80.0		13448.0	0.258	4.54				
14	14 PFNA	463.0 > 418.8		11532.8	0.258	4.87				
15	15 PFOSA	498.2 > 77.9		2330.4	0.258	4.93				
16	16 L-PFOS	499.1 > 79.9		3308.2	0.258	4.90				
17	17 Br-PFOS	499.1 > 79.9		3308.2	0.258	4.15				
18	18 PFDA	513 > 468.8		9952.5	0.258	5.24				
19	19 8:2 FTS	527 > 506.9		2518.4	0.258	5.21				
20	20 PFNS	549.1>80.1		3308.2	0.258	5.30				
21	21 N-MeFOSAA	570.1 > 419		4518.6	0.258	5.39				
22	22 N-EtFOSAA	584.2 > 419		5066.0	0.258	5.55				
23	23 PFUdA	563.0 > 518.9		11732.7	0.258	5.56				
24	24 PFDS	598.8 > 80		11732.7	0.258	5.61				
25	25 PFDoA	612.9 > 569.0		10891.9	0.258	5.84				
26	27 PFTrDA	662.9 > 618.9		10891.9	0.258	6.10				
27	28 PFTeDA	712.9 > 668.8		8559.7	0.258	6.30				
28	34 13C3-PFBA	216.1 > 171.8	8982.9	10628.5	0.258	0.908	1.56	1.46	10.565	45.097
29	35 13C3-PFPeA	266. > 221.8	10572.6	13577.9	0.258	0.868	2.54	2.40	9.733	43.418
30	36 13C3-PFBS	302. > 98.8	1784.4	13577.9	0.258	0.131	2.81	2.68	1.643	48.487
31	37 13C2-PFHxA	315 > 269.8	3571.0	13577.9	0.258	0.735	3.30	3.17	3.287	17.329
32	38 13C4-PFHpA	367.2 > 321.8	9976.0	13577.9	0.258	0.768	3.92	3.80	9.184	46.341

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-18.qld

Last Altered: Tuesday, May 01, 2018 15:02:40 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:03:01 Pacific Daylight Time

Name: 180419M2_18, Date: 19-Apr-2018, Time: 23:04:54, ID: 1800644-02 EB-0406181410 0.25812, Description: EB-0406181410

	# Name	Trace	Area	IS Area	wt/vol RRF M...	Pred.RT	RT	Response	Conc.	%Rec
33	39 18O2-PFHxS	403.0 > 102.6	1539.7	3148.7	0.258 0.456	4.06	3.94	6.113	51.909	107.2
34	40 13C2-6:2 FTS	429.1 > 408.9	3534.9	13783.1	0.258 0.287	4.38	4.26	3.206	43.255	89.3
35	41 13C2-PFOA	414.9 > 369.7	13448.0	13783.1	0.258 1.104	4.43	4.31	12.196	42.784	88.3
36	42 13C5-PFNA	468.2 > 422.9	11532.8	13383.5	0.258 0.960	4.87	4.75	10.771	43.457	89.7
37	43 13C8-PFOSA	506.1 > 77.7	2330.4	16575.5	0.258 0.199	4.93	4.81	1.757	34.133	70.5
38	44 13C8-PFOS	507.0 > 79.9	3308.2	3369.4	0.258 1.045	4.95	4.83	12.273	45.508	94.0
39	45 13C2-PFDA	515.1 > 469.9	9952.5	13968.3	0.258 0.902	5.24	5.12	8.906	38.239	79.0
40	46 13C2-8:2 FTS	529.1 > 508.7	2518.4	13577.9	0.258 0.222	5.21	5.09	2.318	40.439	83.5
41	47 d3-N-MeFOSAA	573.3 > 419	4518.6	16575.5	0.258 0.375	5.39	5.27	3.408	35.195	72.7
42	48 d5-N-EtFOSAA	589.3 > 419	5066.0	16575.5	0.258 0.416	5.55	5.42	3.820	35.551	73.4
43	49 13C2-PFUdA	565 > 519.8	11732.7	16575.5	0.258 0.919	5.56	5.44	8.848	37.301	77.0
44	50 13C2-PFDoA	615.0 > 569.7	10891.9	16575.5	0.258 0.856	5.84	5.72	8.214	37.181	76.8
45	52 13C2-PFTeDA	714.8 > 669.6	8559.7	16575.5	0.258 0.725	6.30	6.18	6.455	34.498	71.2

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-18.qld

Last Altered: Tuesday, May 01, 2018 15:02:40 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:03:20 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_18, Date: 19-Apr-2018, Time: 23:04:54, ID: 1800644-02 EB-0406181410 0.25812, Description: EB-0406181410

#	Name	Trace	Area	IS Area	wt/vol	RRF M...	Pred.RT	RT	Response	Conc.	%Rec
1	72 13C2-4:2 FTS	329.2>308.9	3406.2	13577.9	0.258	0.285	3.38	3.08	3.136	42.685	88.1
2	65 Total PFHxS	398.9 > 79.6	0.0	1539.7	0.258		4.05		0.000		
3	66 Total PFOA	413 > 368.7	4058.9	13448.0	0.258		4.30		3.773	14.455	
4	67 Total PFOS	499.1 > 79.9	0.0	3308.2	0.258		4.90		0.000		
5	68 Total N-MeFOSAA	570.1 > 419	0.0	4518.6	0.258		5.55		0.000		
6	69 Total N-EtFOSAA	584.2 > 419	0.0	5066.0	0.258		5.70		0.000		
7	57 13C4-PFBA	217. > 171.8	10628.5	10628.5	0.258	1.000	1.56	1.46	12.500	48.427	100.0
8	58 13C5-PFHxA	318 > 272.9	13577.9	13577.9	0.258	1.000	3.30	3.17	12.500	48.427	100.0
9	59 13C3-PFHxS	401.9 > 79.9	3148.7	3148.7	0.258	1.000	4.04	3.94	12.500	48.427	100.0
10	60 13C8-PFOA	421.3 > 376	13783.1	13783.1	0.258	1.000	4.43	4.31	12.500	48.427	100.0
11	61 13C9-PFNA	472.2 > 426.9	13383.5	13383.5	0.258	1.000	4.87	4.75	12.500	48.427	100.0
12	62 13C4-PFOS	503 > 79.9	3369.4	3369.4	0.258	1.000	4.95	4.83	12.500	48.427	100.0
13	63 13C6-PFDA	519.1 > 473.7	13968.3	13968.3	0.258	1.000	5.24	5.12	12.500	48.427	100.0
14	64 13C7-PFUDa	570.1 > 524.8	16575.5	16575.5	0.258	1.000	5.56	5.44	12.500	48.427	100.0

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-18.qld

Last Altered: Tuesday, May 01, 2018 15:02:40 Pacific Daylight Time

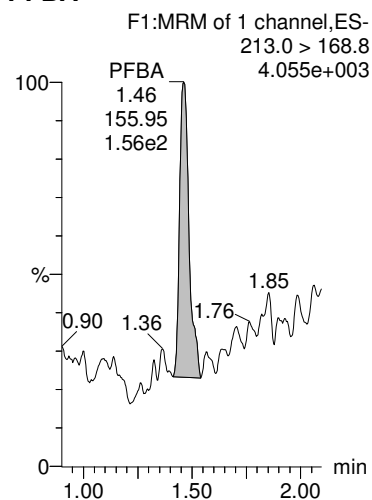
Printed: Tuesday, May 01, 2018 16:03:20 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

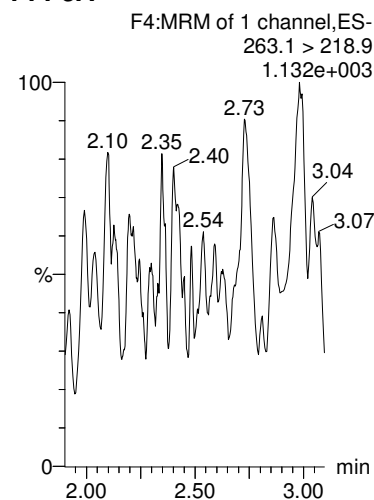
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_18, Date: 19-Apr-2018, Time: 23:04:54, ID: 1800644-02 EB-0406181410 0.25812, Description: EB-0406181410

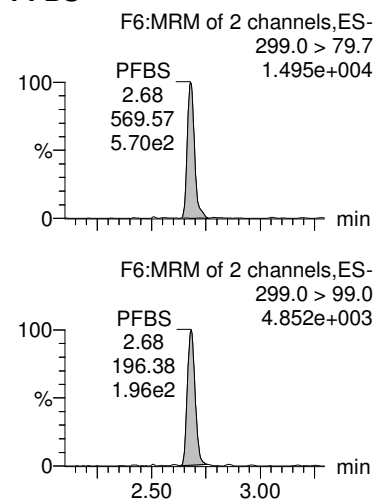
PFBA



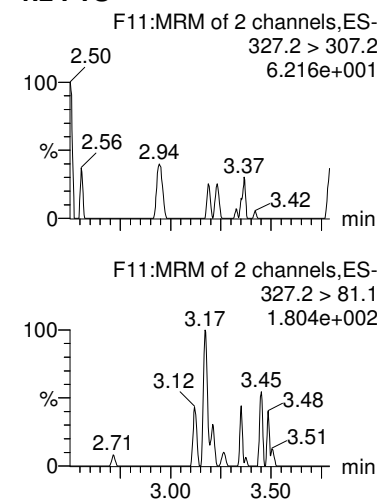
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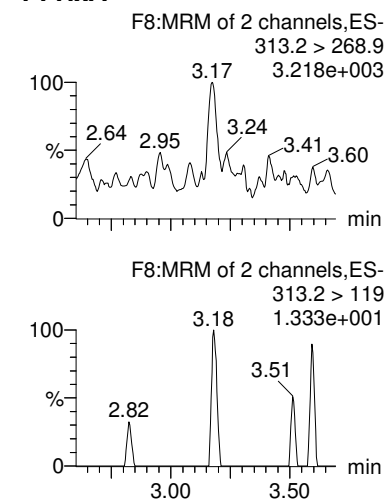
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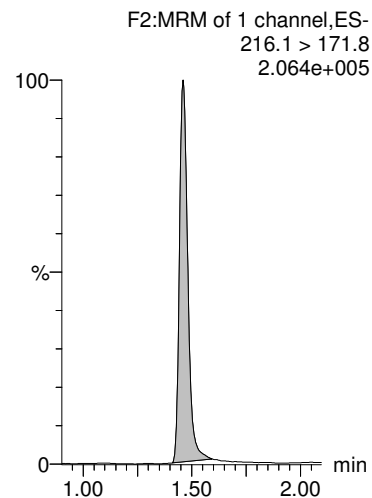
4:2 FTS



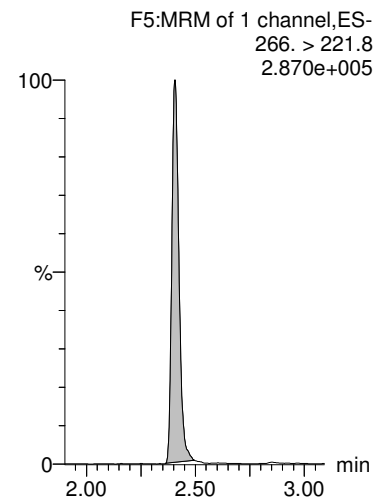
PFHxA



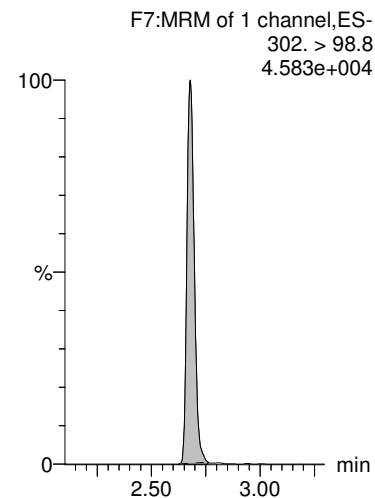
13C3-PFBA



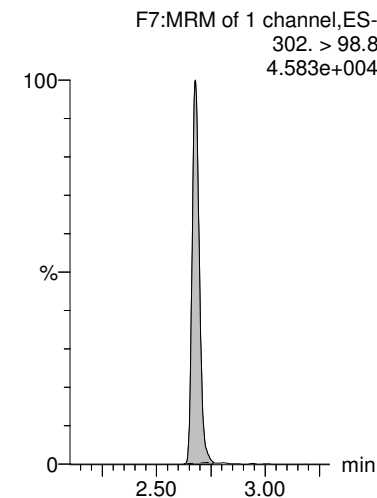
13C3-PFPeA



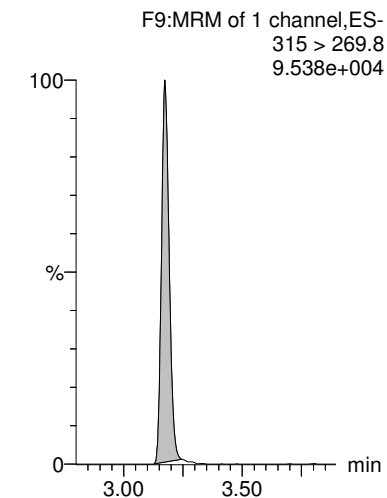
13C3-PFBS



13C3-PFBS



13C2-PFHxA



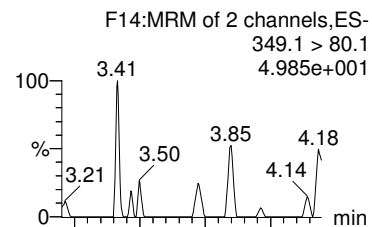
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Last Altered: Tuesday, May 01, 2018 15:02:40 Pacific Daylight Time

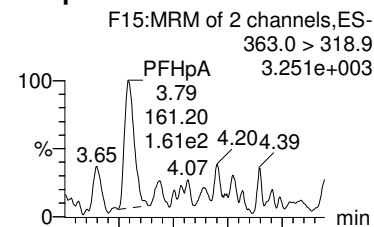
Printed: Tuesday, May 01, 2018 16:03:20 Pacific Daylight Time

Name: 180419M2_18, Date: 19-Apr-2018, Time: 23:04:54, ID: 1800644-02 EB-0406181410 0.25812, Description: EB-0406181410

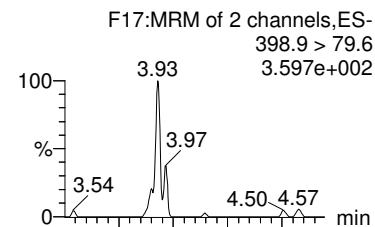
PFPeS



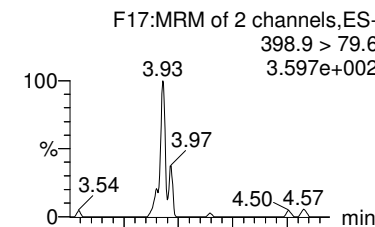
PFHpA



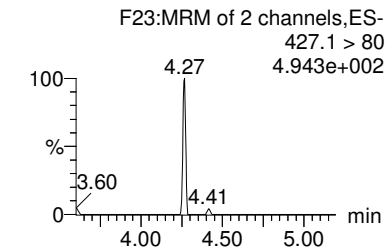
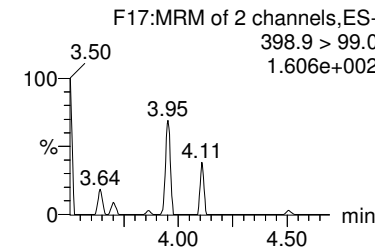
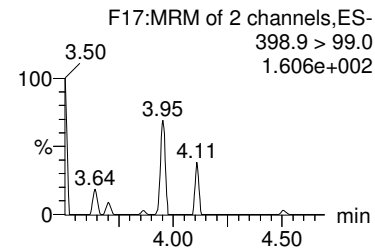
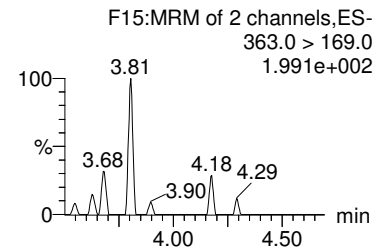
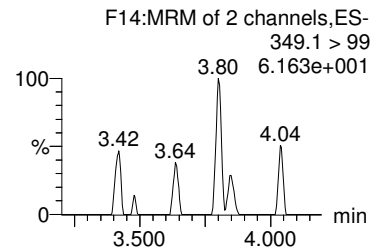
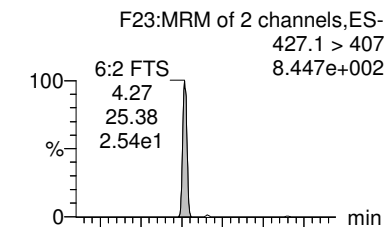
L-PFHxS



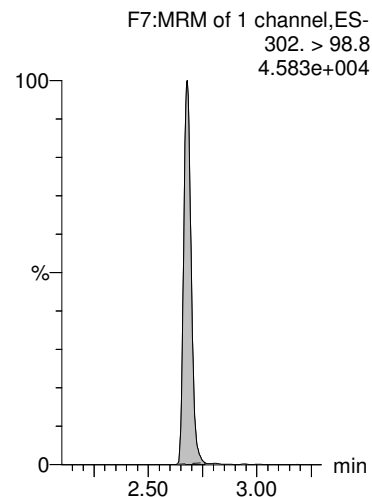
Br-PFHxS



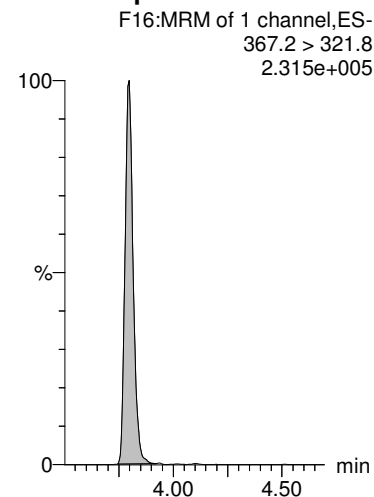
6:2 FTS



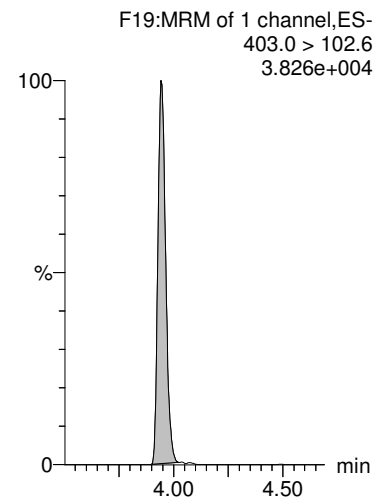
13C3-PFBS



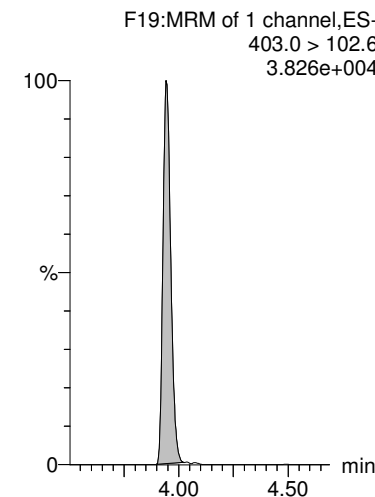
13C4-PFHpA



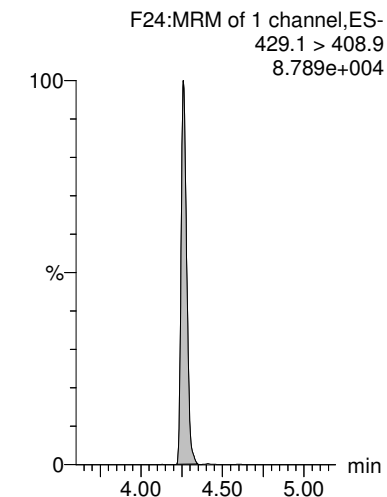
18O2-PFHxS



18O2-PFHxS



13C2-6:2 FTS



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-18.qld

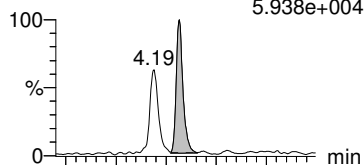
Last Altered: Tuesday, May 01, 2018 15:02:40 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:03:20 Pacific Daylight Time

Name: 180419M2_18, Date: 19-Apr-2018, Time: 23:04:54, ID: 1800644-02 EB-0406181410 0.25812, Description: EB-0406181410

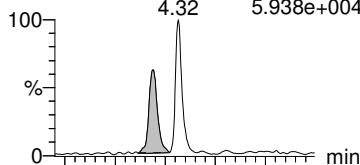
L-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
5.938e+004



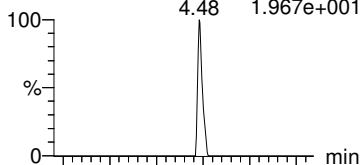
Br-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
5.938e+004



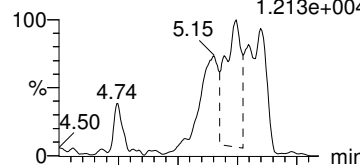
PFHpS

F25:MRM of 2 channels,ES-
449 > 80.0
1.967e+001



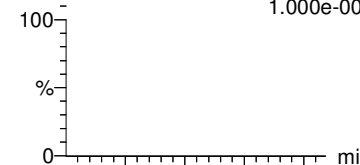
PFNA

F26:MRM of 2 channels,ES-
463.0 > 418.8
1.213e+004

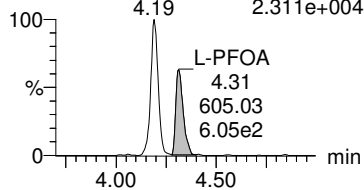


PFOSA

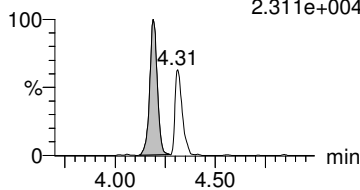
F29:MRM of 2 channels,ES-
498.2 > 77.9
1.000e-003



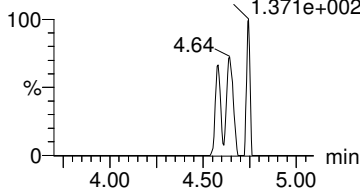
F20:MRM of 2 channels,ES-
413 > 169
2.311e+004



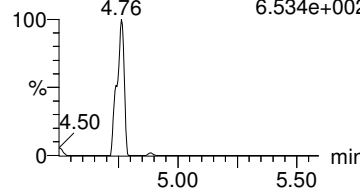
F20:MRM of 2 channels,ES-
413 > 169
2.311e+004



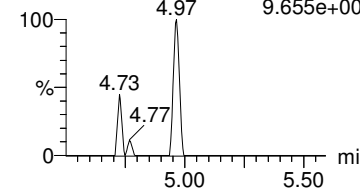
F25:MRM of 2 channels,ES-
449 > 98.7
1.371e+002



F26:MRM of 2 channels,ES-
463.0 > 219.0
6.534e+002

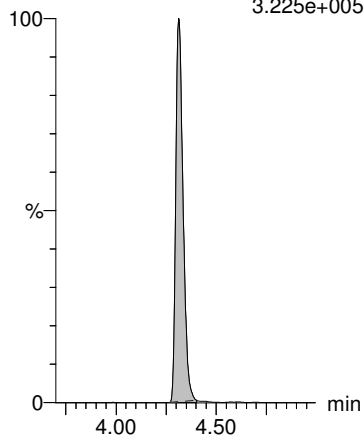


F29:MRM of 2 channels,ES-
498.2 > 169.1
9.655e+001



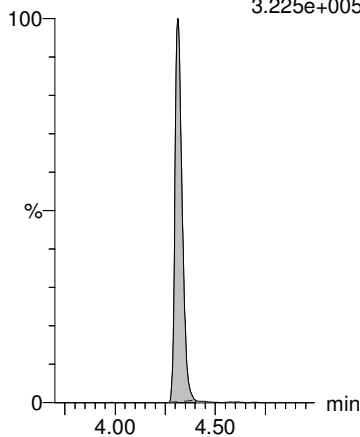
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.225e+005



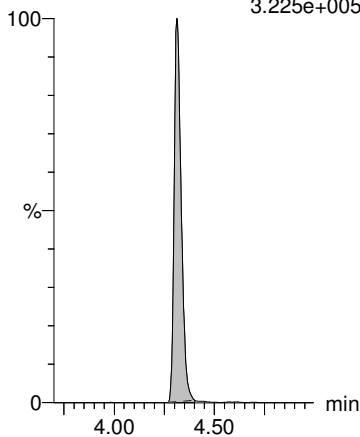
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.225e+005



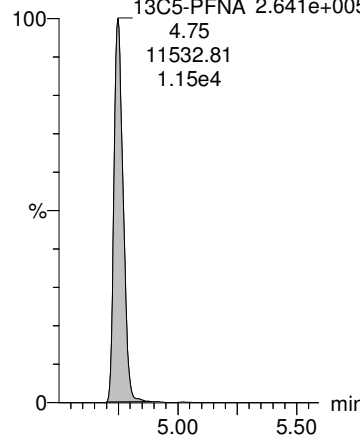
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.225e+005



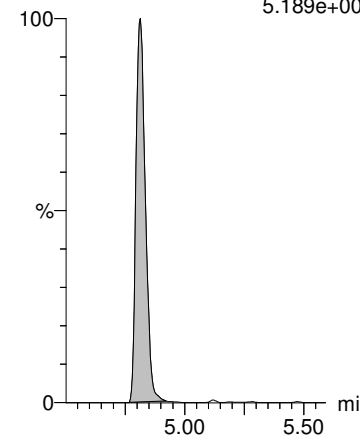
13C5-PFNA

F27:MRM of 1 channel,ES-
468.2 > 422.9
2.641e+005



13C8-PFOA

F33:MRM of 1 channel,ES-
506.1 > 77.7
5.189e+004



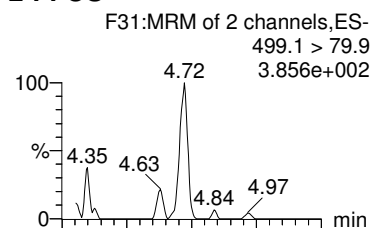
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-18.qld

Last Altered: Tuesday, May 01, 2018 15:02:40 Pacific Daylight Time

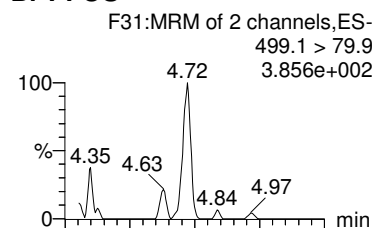
Printed: Tuesday, May 01, 2018 16:03:20 Pacific Daylight Time

Name: 180419M2_18, Date: 19-Apr-2018, Time: 23:04:54, ID: 1800644-02 EB-0406181410 0.25812, Description: EB-0406181410

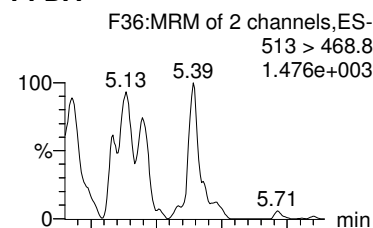
L-PFOS



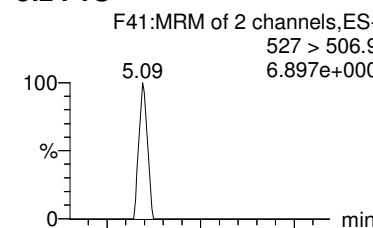
Br-PFOS



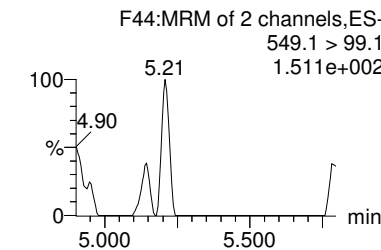
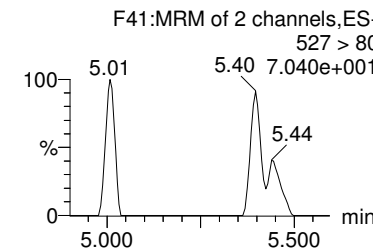
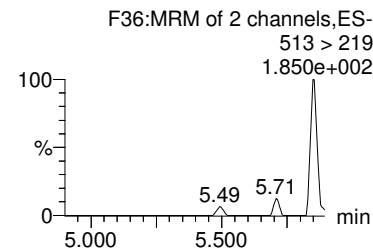
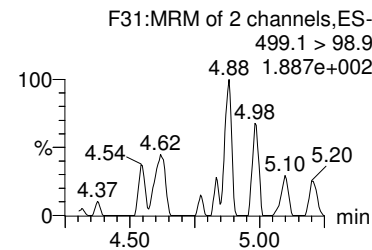
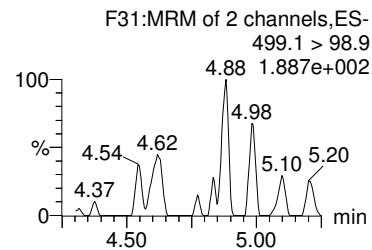
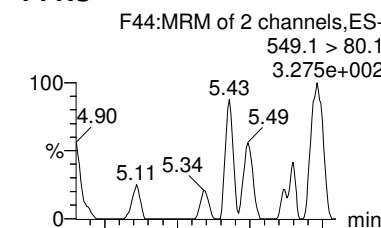
PFDA



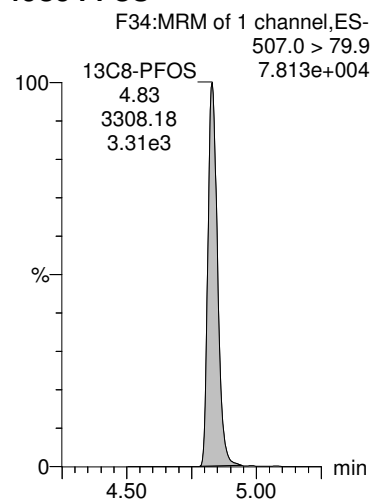
8:2 FTS



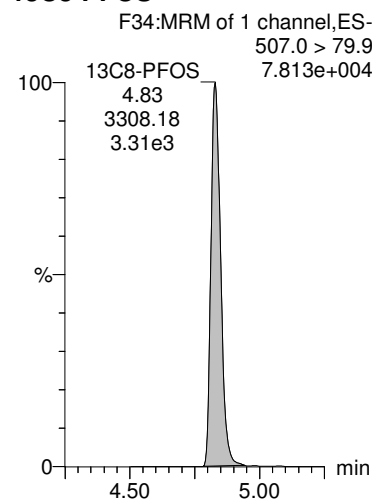
PFNS



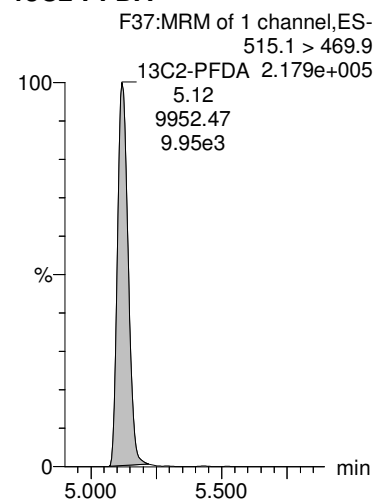
13C8-PFOS



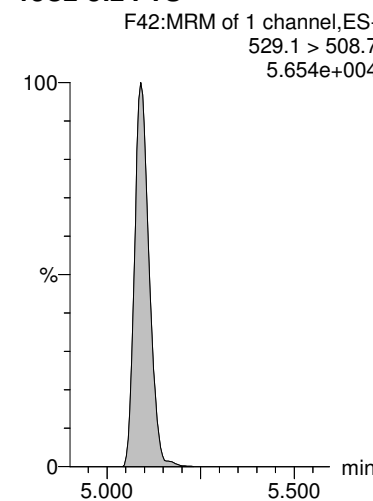
13C8-PFOS



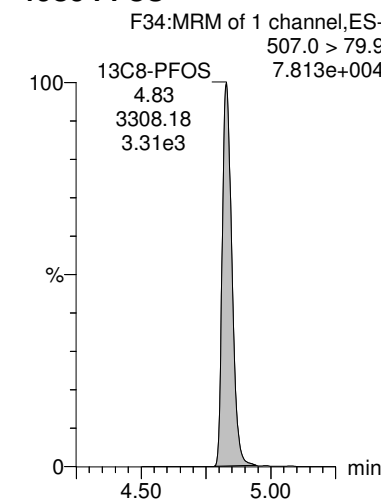
13C2-PFDA



13C2-8:2 FTS



13C8-PFOS



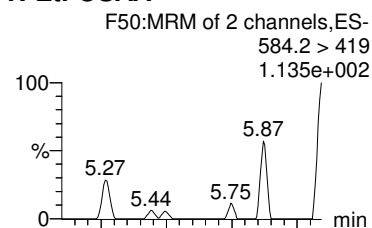
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-18.qld

Last Altered: Tuesday, May 01, 2018 15:02:40 Pacific Daylight Time

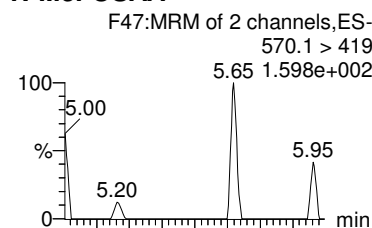
Printed: Tuesday, May 01, 2018 16:03:20 Pacific Daylight Time

Name: 180419M2_18, Date: 19-Apr-2018, Time: 23:04:54, ID: 1800644-02 EB-0406181410 0.25812, Description: EB-0406181410

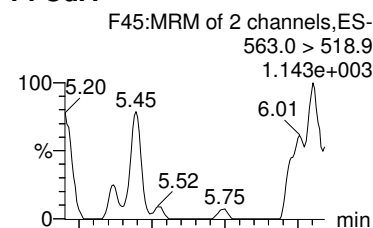
N-EtFOSAA



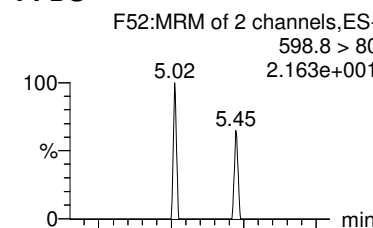
N-MeFOSAA



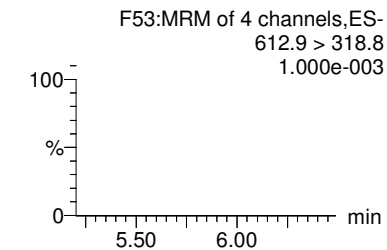
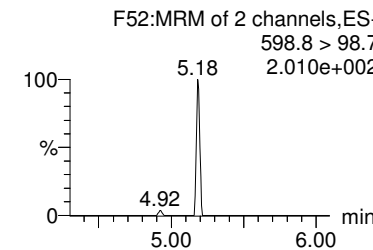
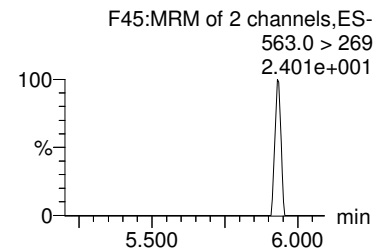
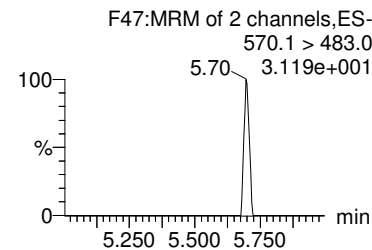
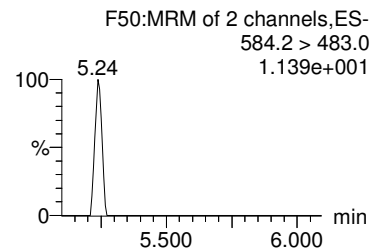
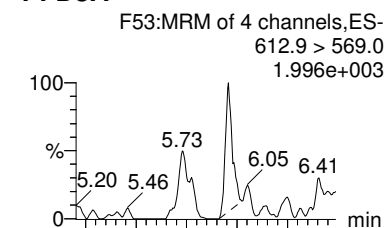
PFUdA



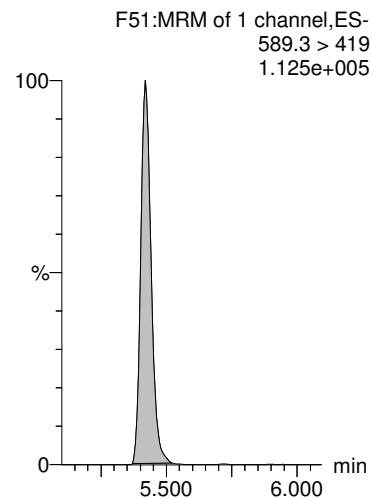
PFDS



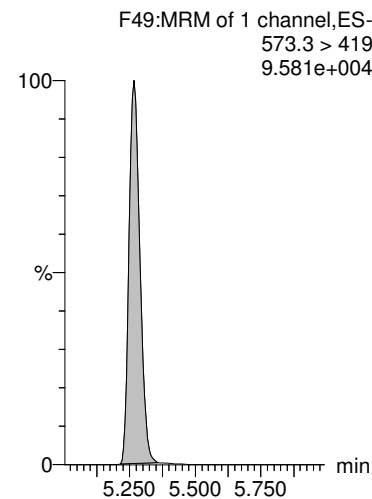
PFDoA



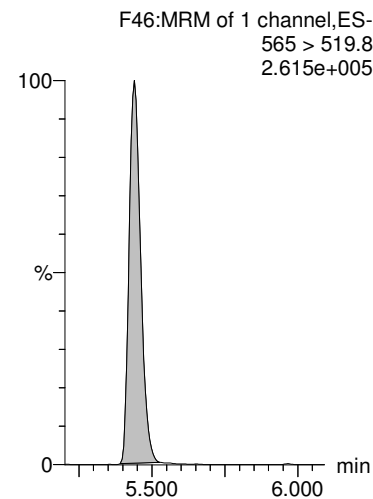
d5-N-EtFOSAA



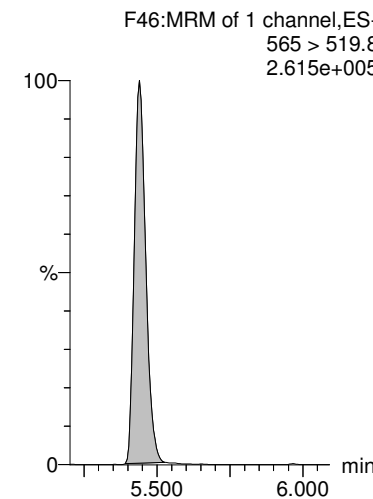
d3-N-MeFOSAA



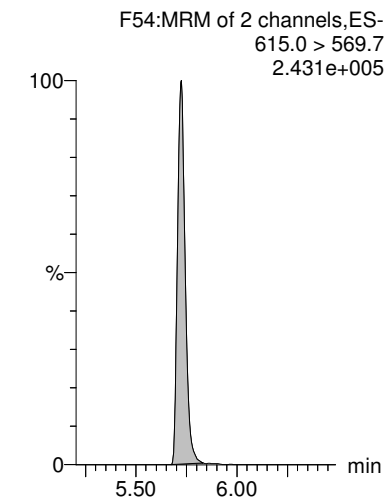
13C2-PFUdA



13C2-PFUDa



13C2-PFDoA



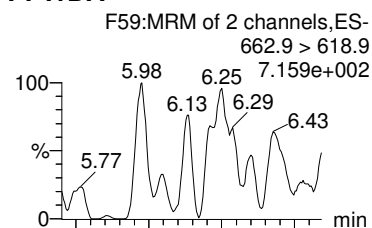
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Last Altered: Tuesday, May 01, 2018 15:02:40 Pacific Daylight Time

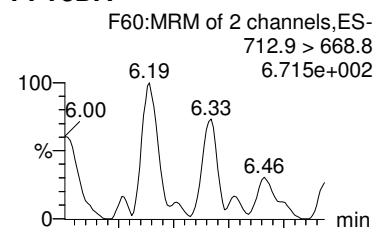
Printed: Tuesday, May 01, 2018 16:03:20 Pacific Daylight Time

Name: 180419M2_18, Date: 19-Apr-2018, Time: 23:04:54, ID: 1800644-02 EB-0406181410 0.25812, Description: EB-0406181410

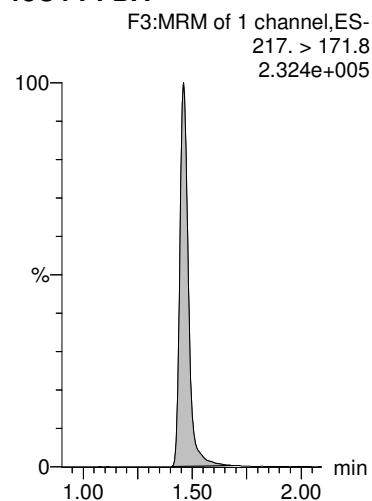
PFTrDA



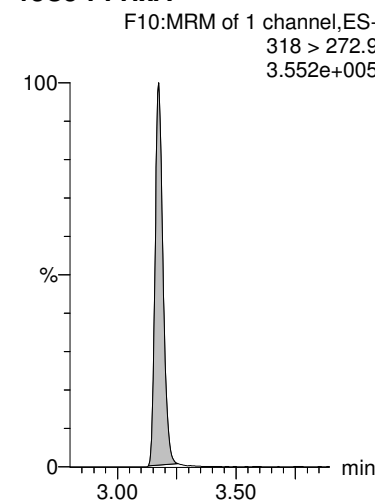
PFTeDA



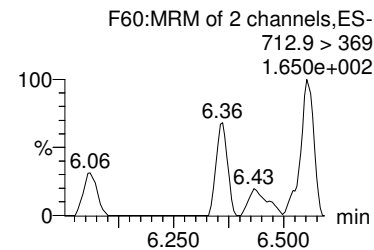
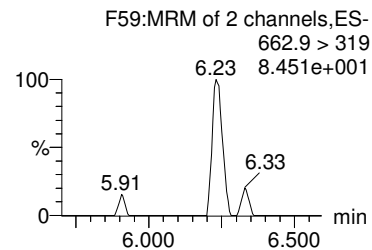
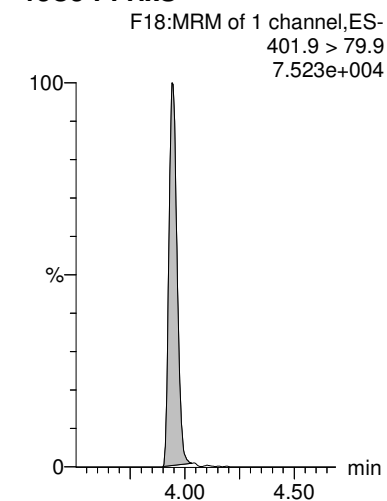
13C4-PFBA



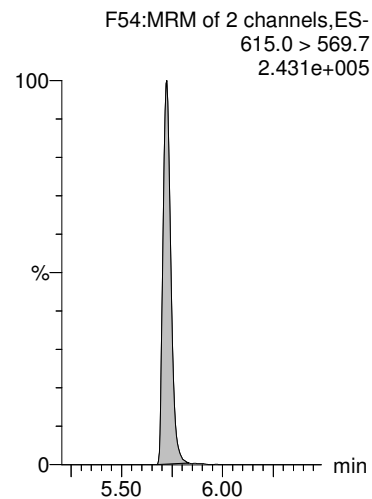
13C5-PFHxA



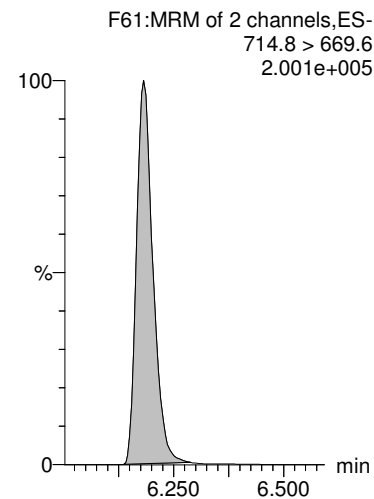
13C3-PFHxS



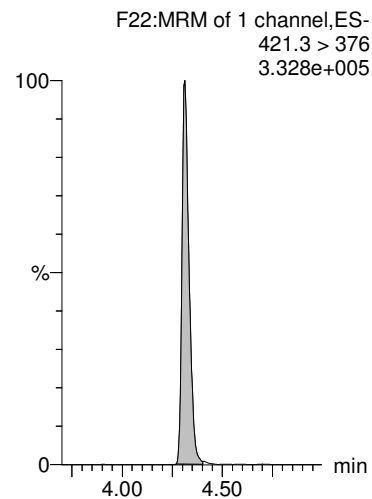
13C2-PFDoA



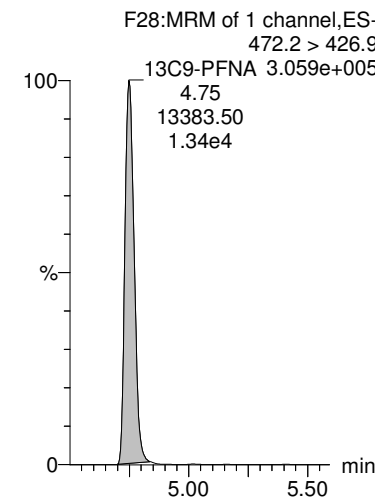
13C2-PFTeDA



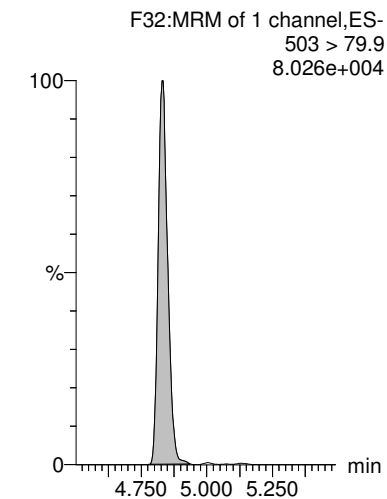
13C8-PFOA



13C9-PFNA



13C4-PFOS

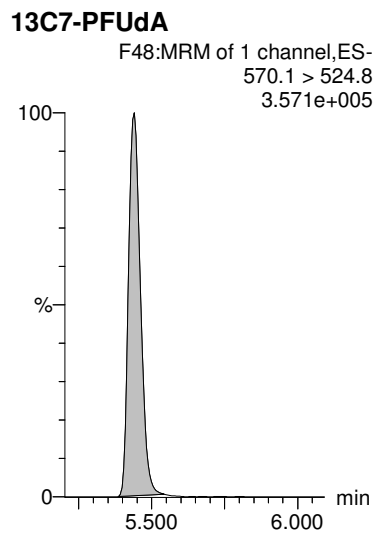
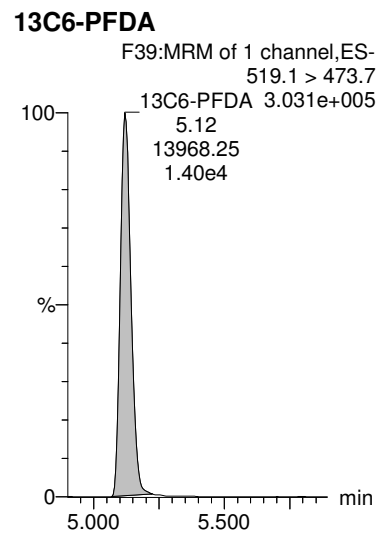


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-18.qld

Last Altered: Tuesday, May 01, 2018 15:02:40 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:03:20 Pacific Daylight Time

Name: 180419M2_18, Date: 19-Apr-2018, Time: 23:04:54, ID: 1800644-02 EB-0406181410 0.25812, Description: EB-0406181410



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-19.qld

Last Altered: Friday, April 27, 2018 11:00:45 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:04:32 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_19, Date: 19-Apr-2018, Time: 23:16:23, ID: 1800644-03 EB-0406181420 0.25199, Description: EB-0406181420

#	Name	Trace	Area	IS Area	wt/vol RRF M...	Pred.RT	RT	Response	Conc.	%Rec	
1	1 PFBA	213.0 > 168.8		8848.4	0.252	1.56					
2	2 PFPeA	263.1 > 218.9		11130.1	0.252	2.54					
3	3 PFBS	299.0 > 79.7		1826.7	0.252	2.81					
4	4 4:2 FTS	327.2>307.2		1826.7	0.252	3.21					
5	5 PFHxA	313.2 > 268.9		3661.2	0.252	3.30					
6	6 PFPeS	349.1>80.1		1826.7	0.252	3.50					
7	7 PFHpA	363.0 > 318.9	613.3	9821.0	0.252	3.92	3.79	0.781	2.457		
8	8 L-PFHxS	398.9 > 79.6		1417.8	0.252	4.06					
9	9 Br-PFHxS	398.9 > 79.6		1417.8	0.252	3.94					
10	10 6:2 FTS	427.1 > 407		3750.2	0.252	4.38					
11	11 L-PFOA	413 > 368.7	9913.5	13538.1	0.252	4.30	4.31	9.153	38.853		
12	12 Br-PFOA	413 > 368.7	8118.6	13538.1	0.252	4.16	4.18	7.496	31.684		
13	13 PFHpS	449 > 80.0		13538.1	0.252	4.54					
14	14 PFNA	463.0 > 418.8		12010.1	0.252	4.87					
15	15 PFOSA	498.2 > 77.9		2468.5	0.252	4.93					
16	16 L-PFOS	499.1 > 79.9		3494.9	0.252	4.90					
17	17 Br-PFOS	499.1 > 79.9		3494.9	0.252	4.15					
18	18 PFDA	513 > 468.8		10078.3	0.252	5.24					
19	19 8:2 FTS	527 > 506.9		2791.8	0.252	5.21					
20	20 PFNS	549.1>80.1		3494.9	0.252	5.30					
21	21 N-MeFOSAA	570.1 > 419		4616.3	0.252	5.39					
22	22 N-EtFOSAA	584.2 > 419		5868.4	0.252	5.55					
23	23 PFUdA	563.0 > 518.9		12357.6	0.252	5.56					
24	24 PFDS	598.8 > 80		12357.6	0.252	5.61					
25	25 PFDaA	612.9 > 569.0		11676.8	0.252	5.84					
26	27 PFTrDA	662.9 > 618.9		11676.8	0.252	6.10					
27	28 PFTeDA	712.9 > 668.8		9312.4	0.252	6.30					
28	34 13C3-PFBA	216.1 > 171.8	8848.4	10317.2	0.252	0.908	1.56	1.45	10.720	46.875	94.5
29	35 13C3-PFPeA	266. > 221.8	11130.1	13467.7	0.252	0.868	2.54	2.40	10.330	47.203	95.2
30	36 13C3-PFBS	302. > 98.8	1826.7	13467.7	0.252	0.131	2.81	2.67	1.695	51.259	103.3
31	37 13C2-PFHxA	315 > 269.8	3661.2	13467.7	0.252	0.735	3.30	3.17	3.398	18.348	92.5
32	38 13C4-PFHpA	367.2 > 321.8	9821.0	13467.7	0.252	0.768	3.92	3.80	9.115	47.114	95.0

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-19.qld

Last Altered: Friday, April 27, 2018 11:00:45 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:04:32 Pacific Daylight Time

Name: 180419M2_19, Date: 19-Apr-2018, Time: 23:16:23, ID: 1800644-03 EB-0406181420 0.25199, Description: EB-0406181420

#	Name	Trace	Area	IS Area	wt/vol	RRF	M...	Pred.RT	RT	Response	Conc.	%Rec
33	39 18O2-PFHxS	403.0 > 102.6	1417.8	3514.5	0.252	0.456		4.06	3.94	5.043	43.864	88.4
34	40 13C2-6:2 FTS	429.1 > 408.9	3750.2	14053.4	0.252	0.287		4.38	4.26	3.336	46.102	92.9
35	41 13C2-PFOA	414.9 > 369.7	13538.1	14053.4	0.252	1.104		4.43	4.31	12.042	43.270	87.2
36	42 13C5-PFNA	468.2 > 422.9	12010.1	14074.3	0.252	0.960		4.87	4.74	10.667	44.081	88.9
37	43 13C8-PFOSA	506.1 > 77.7	2468.5	17901.4	0.252	0.199		4.93	4.81	1.724	34.293	69.1
38	44 13C8-PFOS	507.0 > 79.9	3494.9	3589.5	0.252	1.045		4.95	4.83	12.170	46.226	93.2
39	45 13C2-PFDA	515.1 > 469.9	10078.3	14412.8	0.252	0.902		5.24	5.12	8.741	38.441	77.5
40	46 13C2-8:2 FTS	529.1 > 508.7	2791.8	13467.7	0.252	0.222		5.21	5.09	2.591	46.295	93.3
41	47 d3-N-MeFOSAA	573.3 > 419	4616.3	17901.4	0.252	0.375		5.39	5.27	3.223	34.102	68.7
42	48 d5-N-EtFOSAA	589.3 > 419	5868.4	17901.4	0.252	0.416		5.55	5.42	4.098	39.060	78.7
43	49 13C2-PFUdA	565 > 519.8	12357.6	17901.4	0.252	0.919		5.56	5.44	8.629	37.263	75.1
44	50 13C2-PFDoA	615.0 > 569.7	11676.8	17901.4	0.252	0.856		5.84	5.72	8.154	37.806	76.2
45	52 13C2-PFTeDA	714.8 > 669.6	9312.4	17901.4	0.252	0.725		6.30	6.18	6.503	35.598	71.8

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-19.qld

Last Altered: Friday, April 27, 2018 11:00:45 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:04:50 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_19, Date: 19-Apr-2018, Time: 23:16:23, ID: 1800644-03 EB-0406181420 0.25199, Description: EB-0406181420

#	Name	Trace	Area	IS Area	wt/vol	RRF M...	Pred.RT	RT	Response	Conc.	%Rec
1	72 13C2-4:2 FTS	329.2>308.9	3810.7	13467.7	0.252	0.285	3.38	3.08	3.537	49.315	99.4
2	65 Total PFHxS	398.9 > 79.6	0.0	1417.8	0.252		4.05		0.000		
3	66 Total PFOA	413 > 368.7	18032.1	13538.1	0.252		4.30		16.649	70.537	
4	67 Total PFOS	499.1 > 79.9	0.0	3494.9	0.252		4.90		0.000		
5	68 Total N-MeFOSAA	570.1 > 419	0.0	4616.3	0.252		5.55		0.000		
6	69 Total N-EtFOSAA	584.2 > 419	0.0	5868.4	0.252		5.70		0.000		
7	57 13C4-PFBA	217. > 171.8	10317.2	10317.2	0.252	1.000	1.56	1.45	12.500	49.605	100.0
8	58 13C5-PFHxA	318 > 272.9	13467.7	13467.7	0.252	1.000	3.30	3.17	12.500	49.605	100.0
9	59 13C3-PFHxS	401.9 > 79.9	3514.5	3514.5	0.252	1.000	4.04	3.94	12.500	49.605	100.0
10	60 13C8-PFOA	421.3 > 376	14053.4	14053.4	0.252	1.000	4.43	4.31	12.500	49.605	100.0
11	61 13C9-PFNA	472.2 > 426.9	14074.3	14074.3	0.252	1.000	4.87	4.75	12.500	49.605	100.0
12	62 13C4-PFOS	503 > 79.9	3589.5	3589.5	0.252	1.000	4.95	4.83	12.500	49.605	100.0
13	63 13C6-PFDA	519.1 > 473.7	14412.8	14412.8	0.252	1.000	5.24	5.12	12.500	49.605	100.0
14	64 13C7-PFUDa	570.1 > 524.8	17901.4	17901.4	0.252	1.000	5.56	5.44	12.500	49.605	100.0

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-19.qld

Last Altered: Friday, April 27, 2018 11:00:45 Pacific Daylight Time

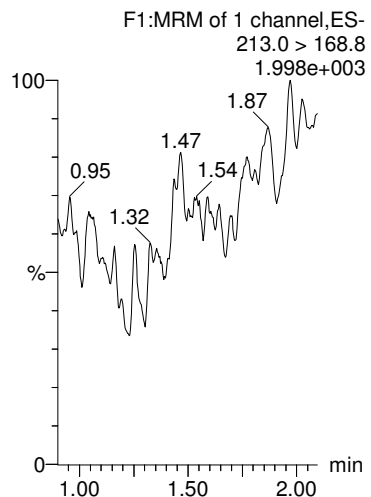
Printed: Tuesday, May 01, 2018 16:04:50 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

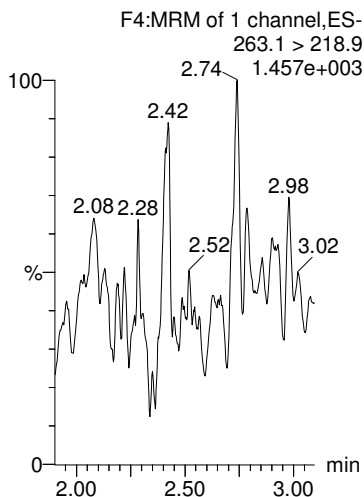
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Name: 180419M2_19, Date: 19-Apr-2018, Time: 23:16:23, ID: 1800644-03 EB-0406181420 0.25199, Description: EB-0406181420

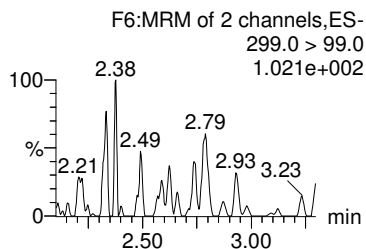
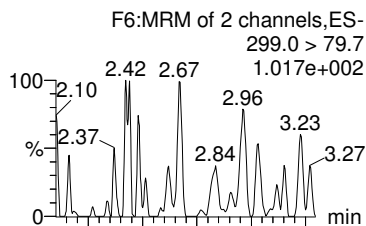
PFBA



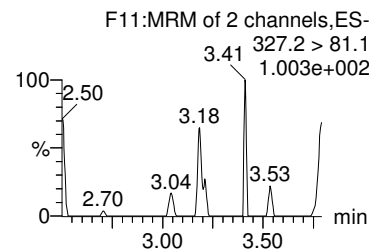
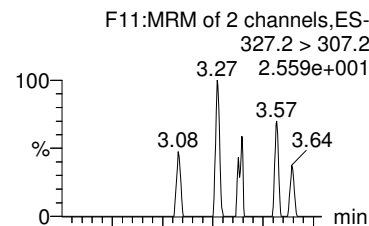
PFPeA



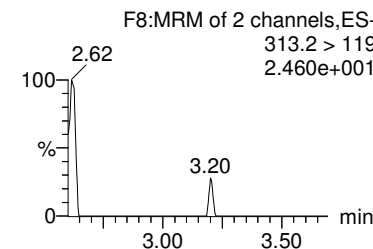
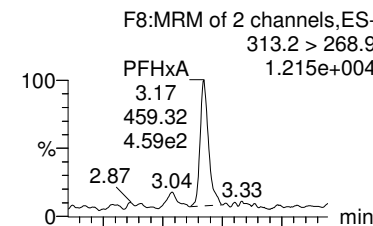
PFBS



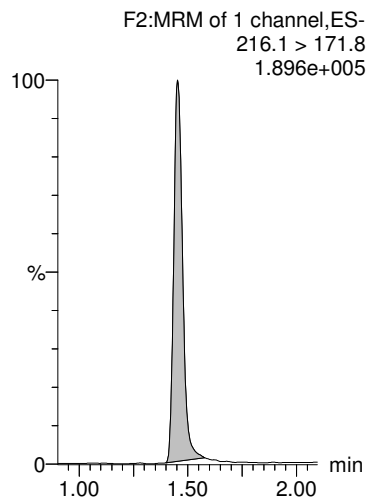
4:2 FTS



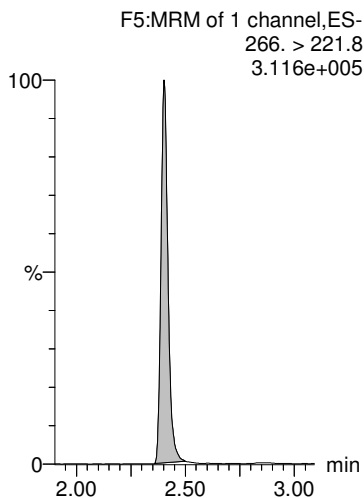
PFHxA



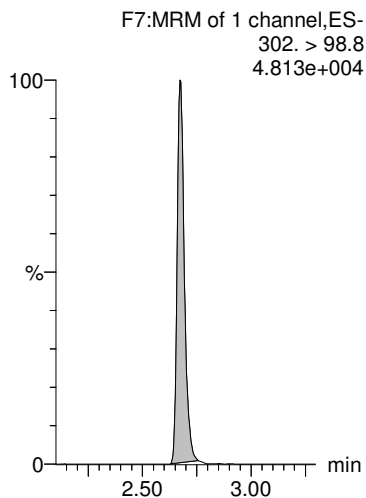
13C3-PFBA



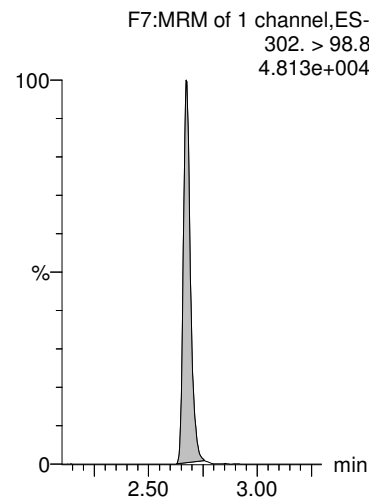
13C3-PFPeA



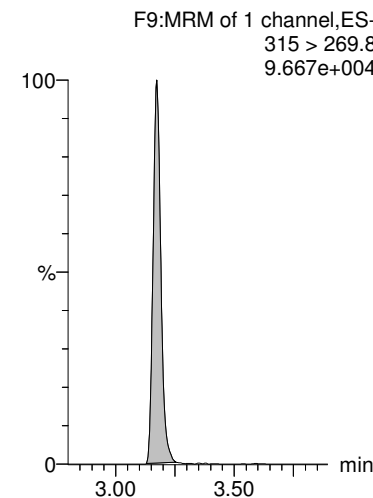
13C3-PFBS



13C3-PFBS



13C2-PFHxA



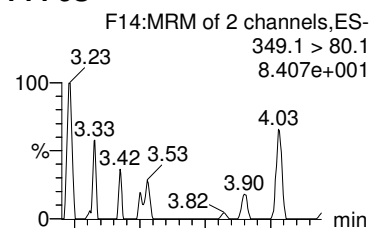
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Last Altered: Friday, April 27, 2018 11:00:45 Pacific Daylight Time

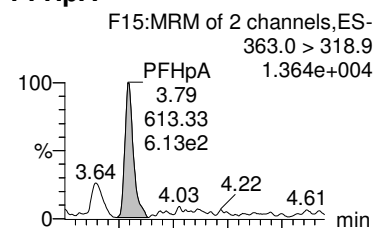
Printed: Tuesday, May 01, 2018 16:04:50 Pacific Daylight Time

Name: 180419M2_19, Date: 19-Apr-2018, Time: 23:16:23, ID: 1800644-03 EB-0406181420 0.25199, Description: EB-0406181420

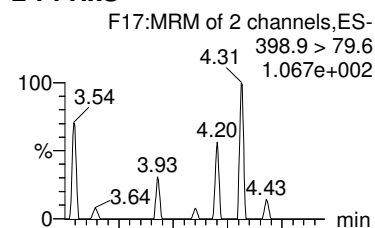
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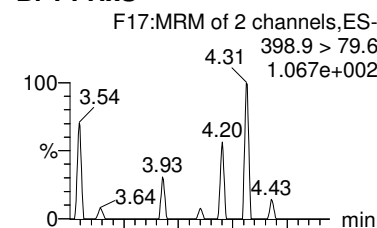
PFHpA



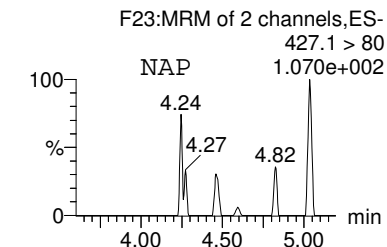
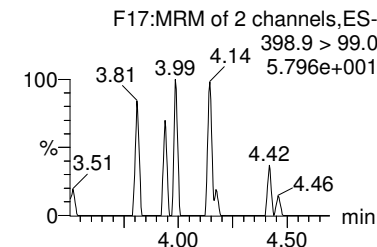
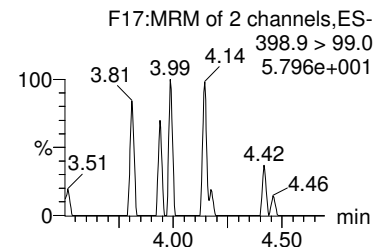
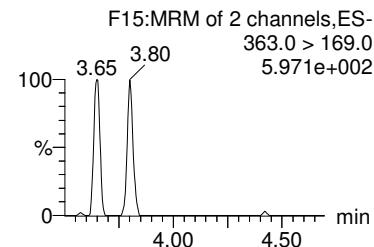
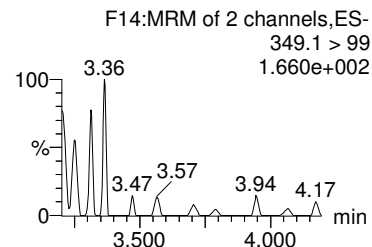
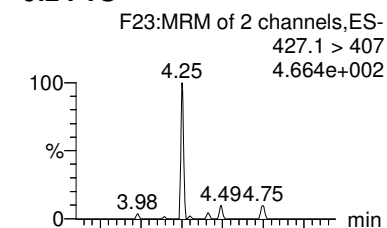
L-PFHxS



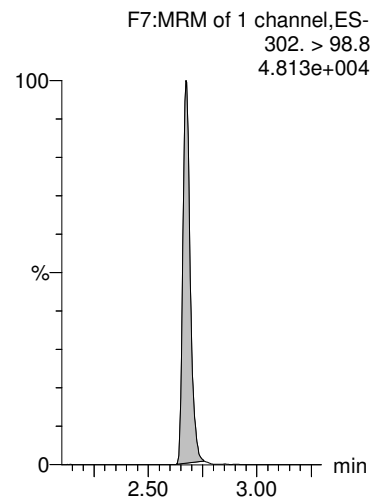
Br-PFHxS



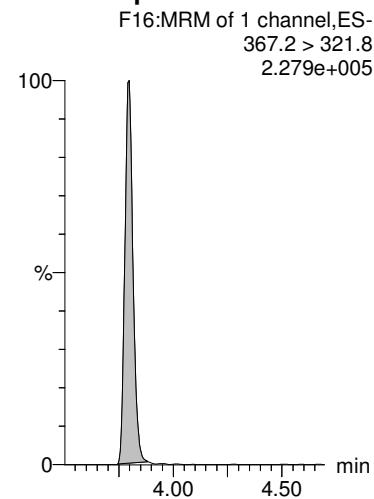
6:2 FTS



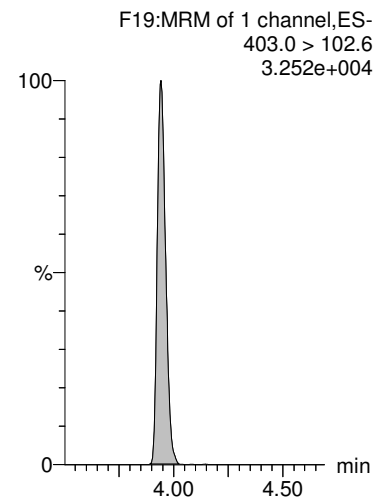
13C3-PFBS



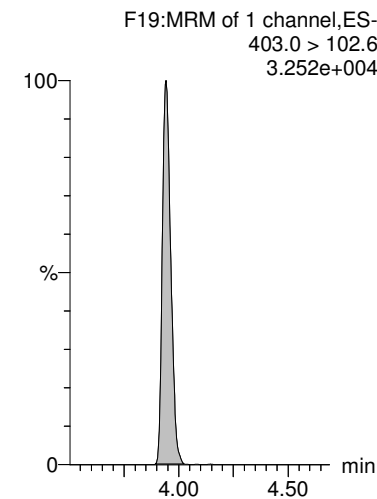
13C4-PFHpA



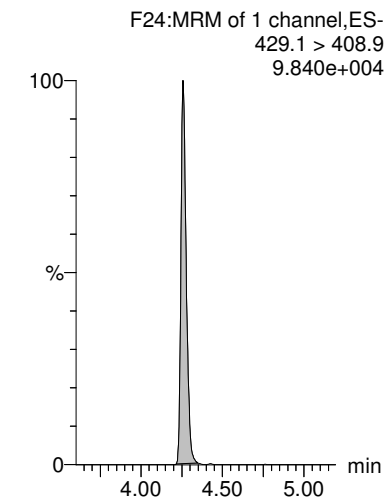
18O2-PFHxS



18O2-PFHxS



13C2-6:2 FTS



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-19.qld

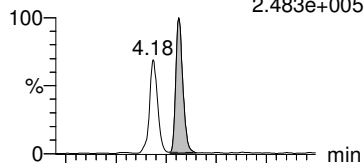
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Printed: Tuesday, May 01, 2018 16:04:50 Pacific Daylight Time

Name: 180419M2_19, Date: 19-Apr-2018, Time: 23:16:23, ID: 1800644-03 EB-0406181420 0.25199, Description: EB-0406181420

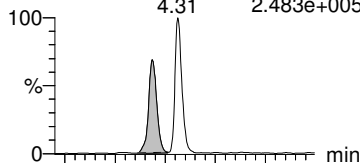
L-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
2.483e+005



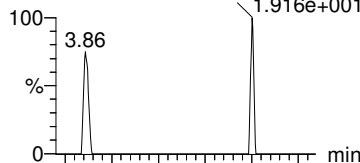
Br-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
2.483e+005



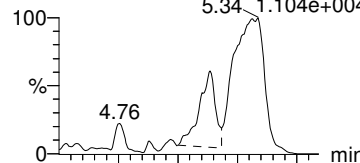
PFHpS

F25:MRM of 2 channels,ES-
449 > 80.0
1.916e+001



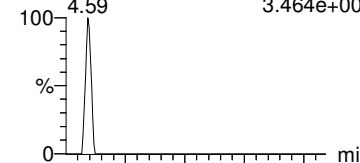
PFNA

F26:MRM of 2 channels,ES-
463.0 > 418.8
1.104e+004

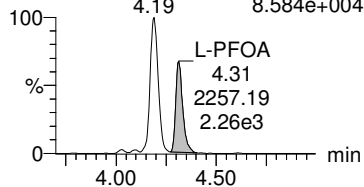


PFOSA

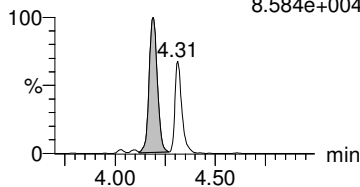
F29:MRM of 2 channels,ES-
498.2 > 77.9
3.464e+001



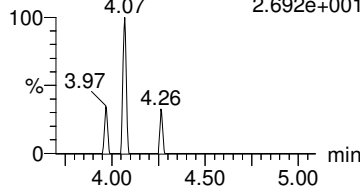
F20:MRM of 2 channels,ES-
413 > 169
8.584e+004



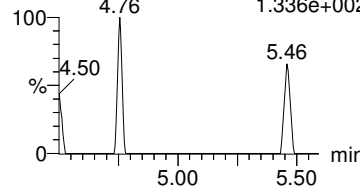
F20:MRM of 2 channels,ES-
413 > 169
8.584e+004



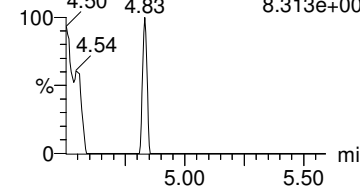
F25:MRM of 2 channels,ES-
449 > 98.7
2.692e+001



F26:MRM of 2 channels,ES-
463.0 > 219.0
1.336e+002

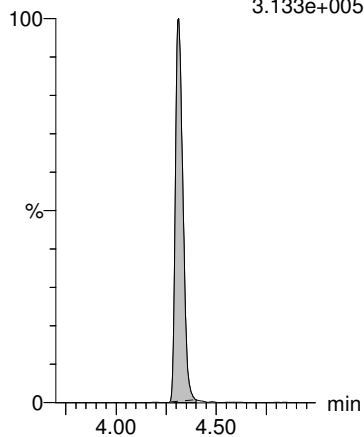


F29:MRM of 2 channels,ES-
498.2 > 169.1
8.313e+001



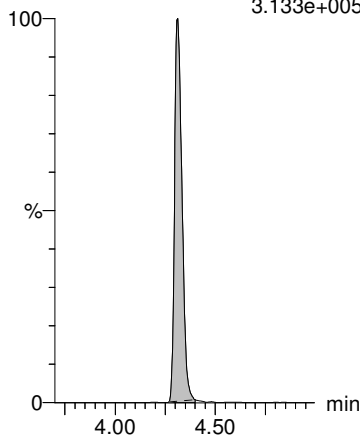
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.133e+005



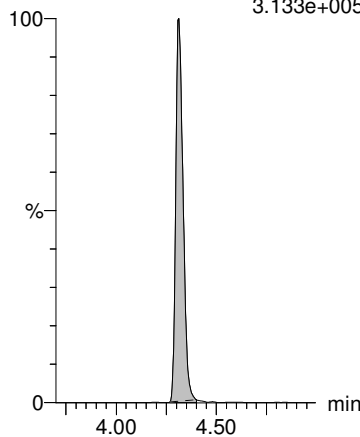
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.133e+005



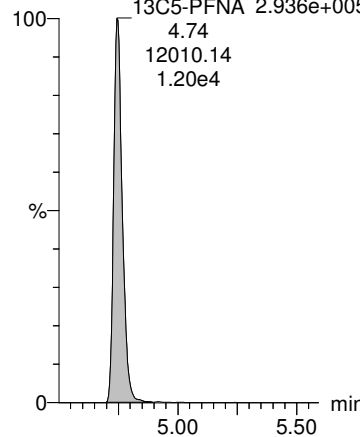
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.133e+005



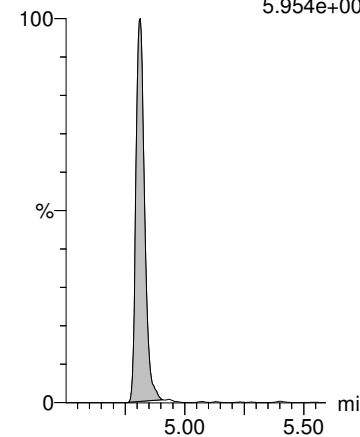
13C5-PFNA

F27:MRM of 1 channel,ES-
468.2 > 422.9
2.936e+005



13C8-PFOSA

F33:MRM of 1 channel,ES-
506.1 > 77.7
5.954e+004



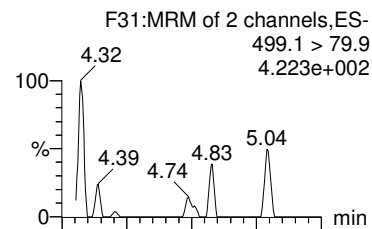
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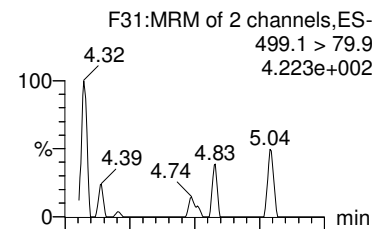
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Name: 180419M2_19, Date: 19-Apr-2018, Time: 23:16:23, ID: 1800644-03 EB-0406181420 0.25199, Description: EB-0406181420

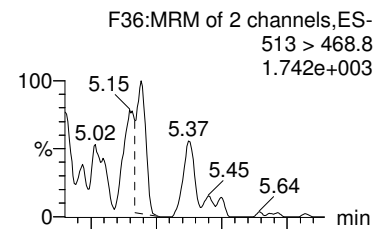
L-PFOS



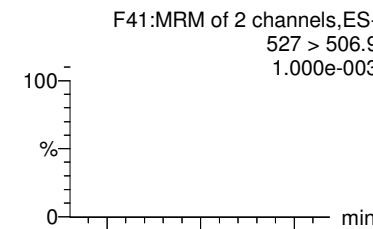
Br-PFOS



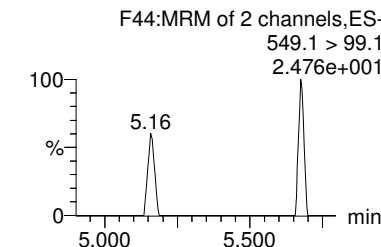
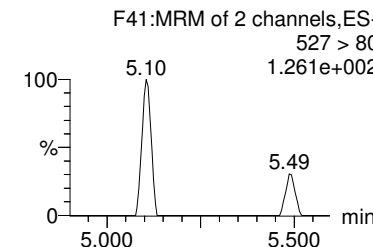
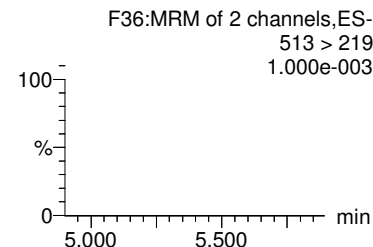
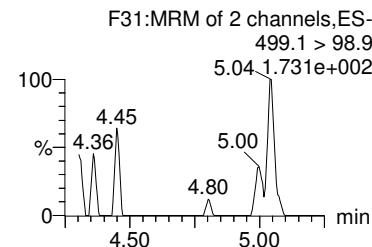
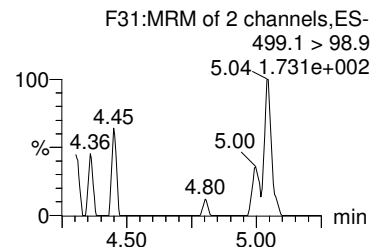
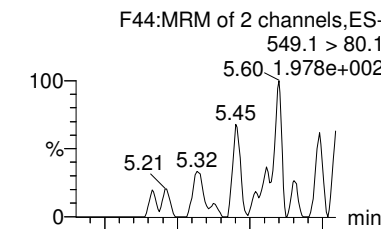
PFDA



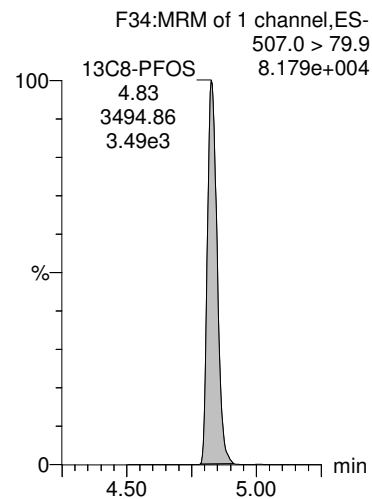
8:2 FTS



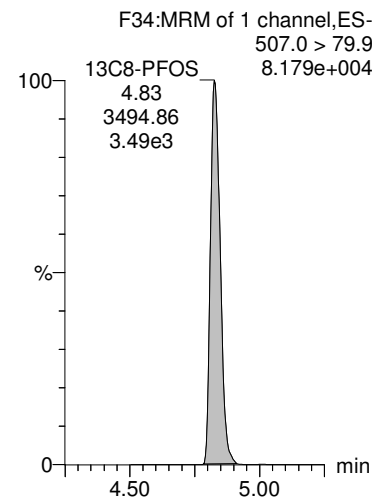
PFNS



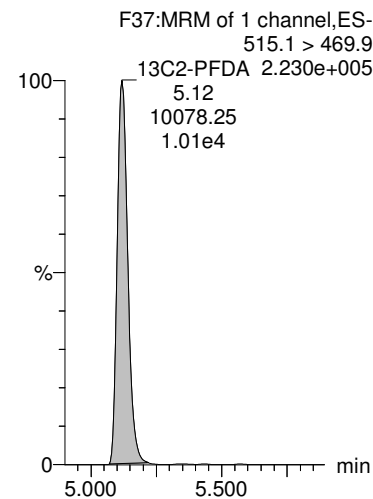
13C8-PFOS



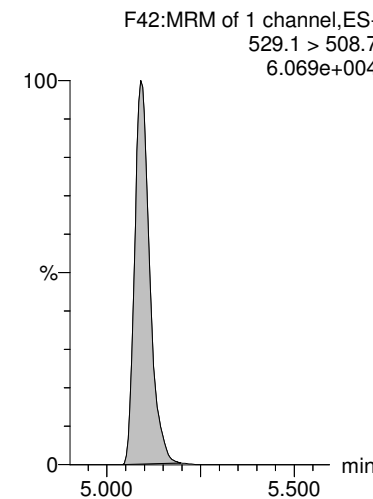
13C8-PFOS



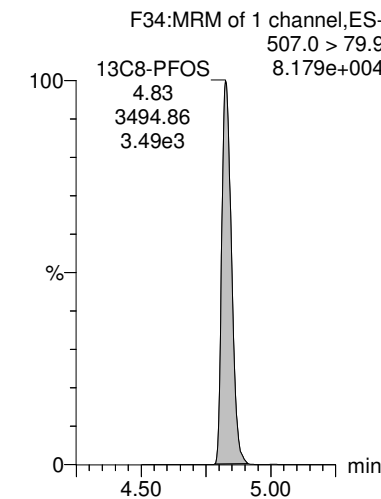
13C2-PFDA



13C2-8:2 FTS



13C8-PFOS



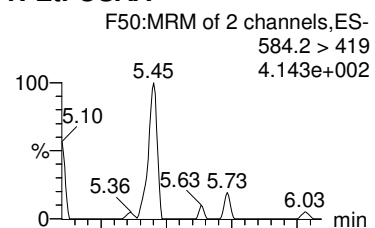
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-19.qld

Last Altered: Friday, April 27, 2018 11:00:45 Pacific Daylight Time

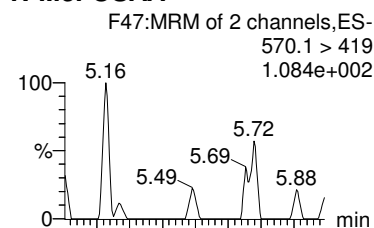
Printed: Tuesday, May 01, 2018 16:04:50 Pacific Daylight Time

Name: 180419M2_19, Date: 19-Apr-2018, Time: 23:16:23, ID: 1800644-03 EB-0406181420 0.25199, Description: EB-0406181420

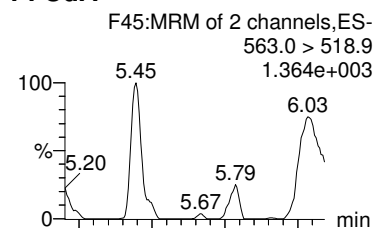
N-EtFOSAA



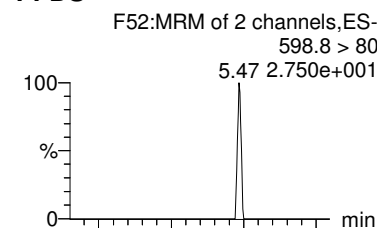
N-MeFOSAA



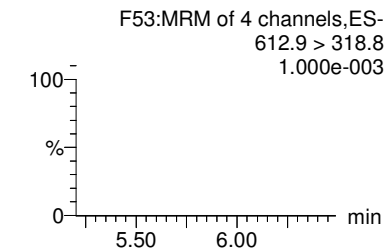
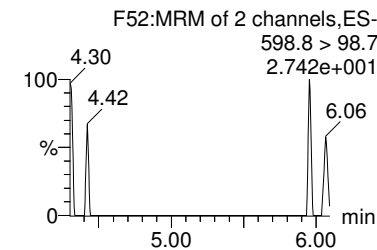
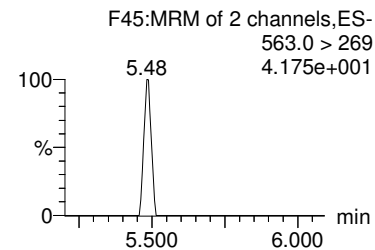
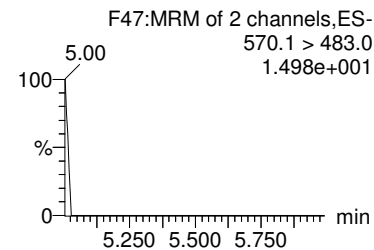
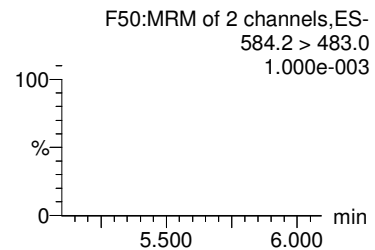
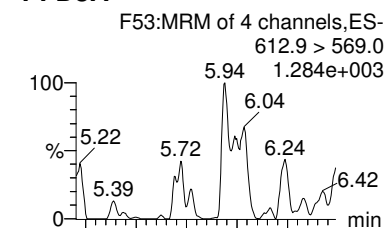
PFUdA



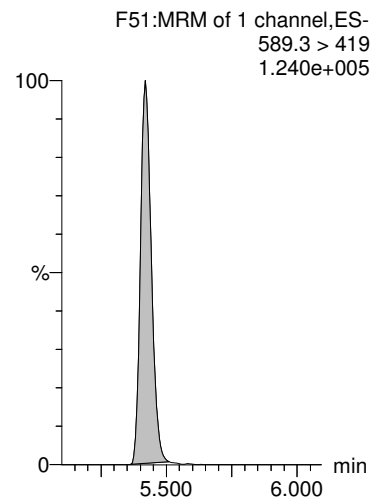
PFDS



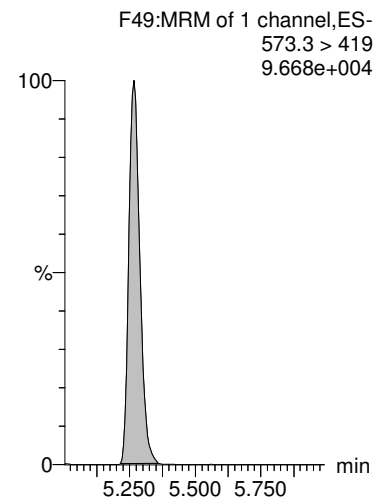
PFDoA



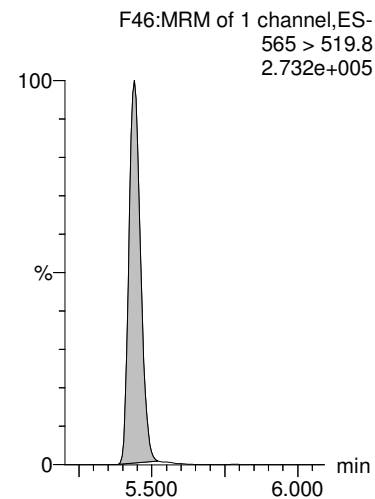
d5-N-EtFOSAA



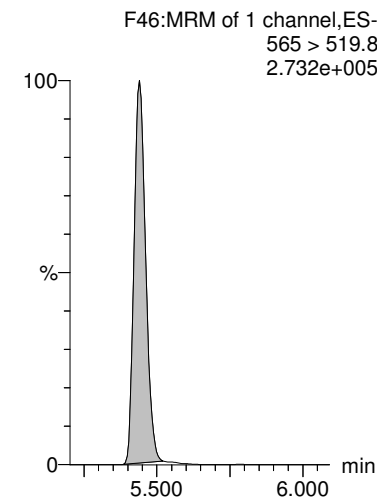
d3-N-MeFOSAA



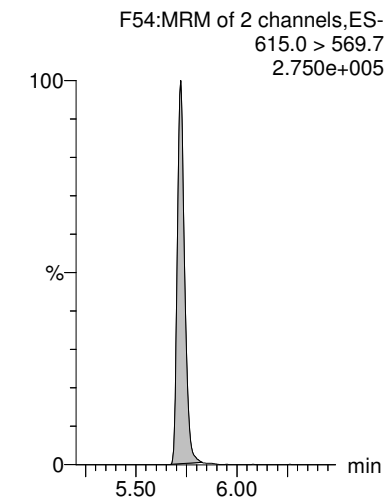
13C2-PFUdA



13C2-PFDoA



13C2-PFDoA



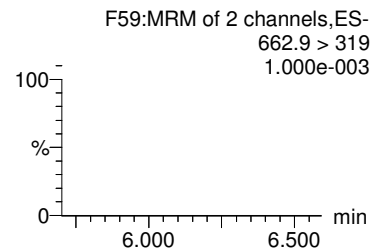
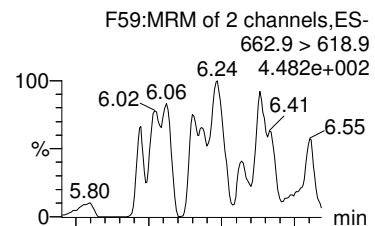
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-19.qld

Last Altered: Friday, April 27, 2018 11:00:45 Pacific Daylight Time

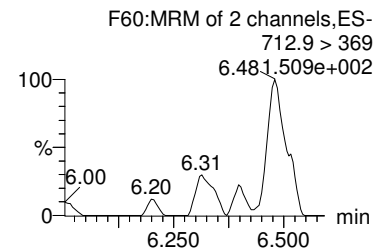
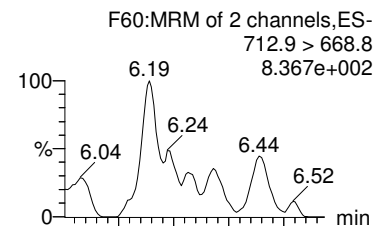
Printed: Tuesday, May 01, 2018 16:04:50 Pacific Daylight Time

Name: 180419M2_19, Date: 19-Apr-2018, Time: 23:16:23, ID: 1800644-03 EB-0406181420 0.25199, Description: EB-0406181420

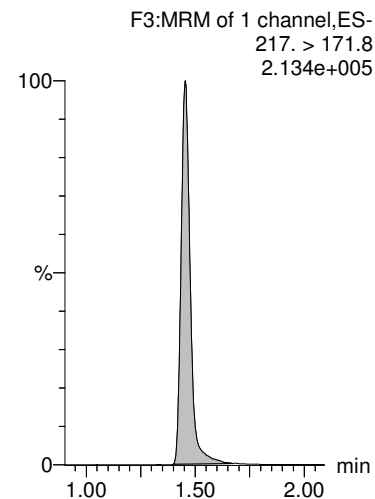
PFTrDA



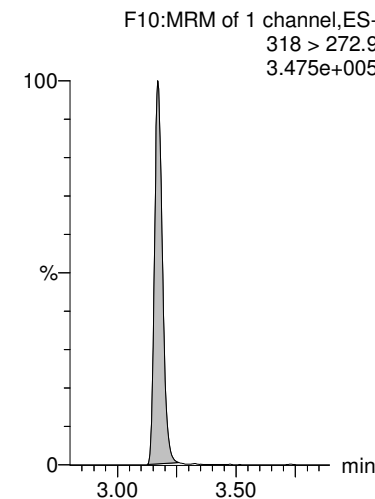
PFTeDA



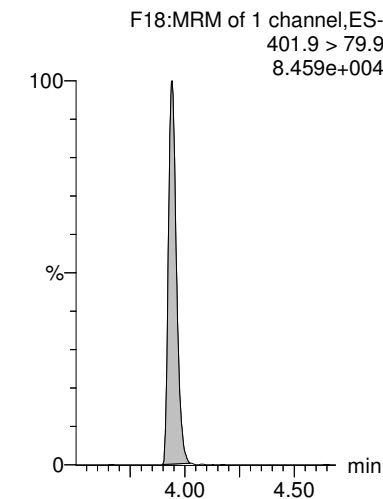
13C4-PFBA



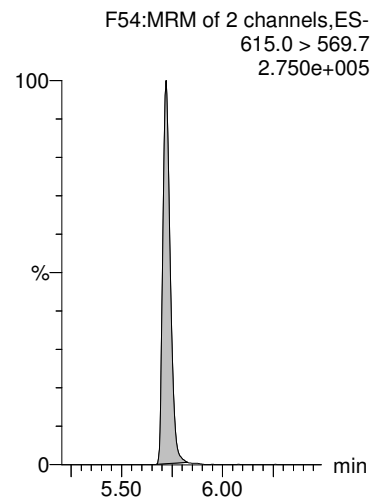
13C5-PFHxA



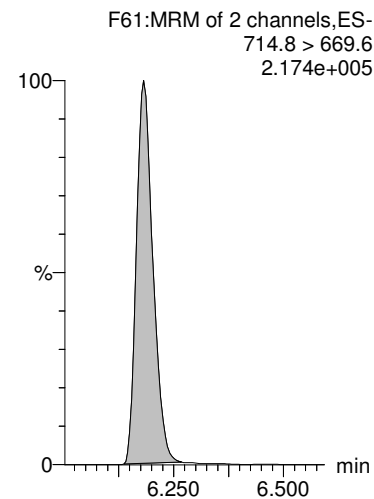
13C3-PFHxS



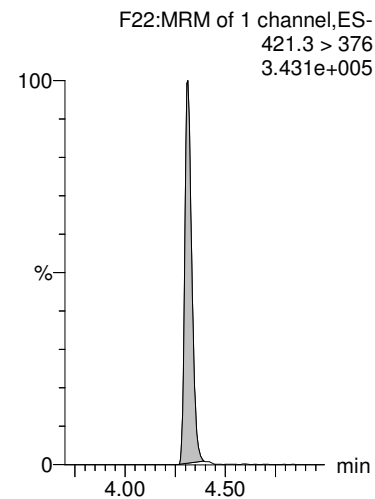
13C2-PFDoA



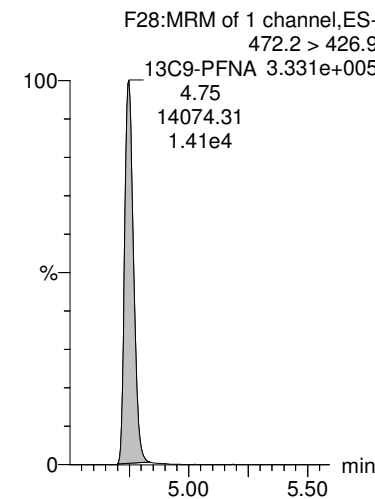
13C2-PFTeDA



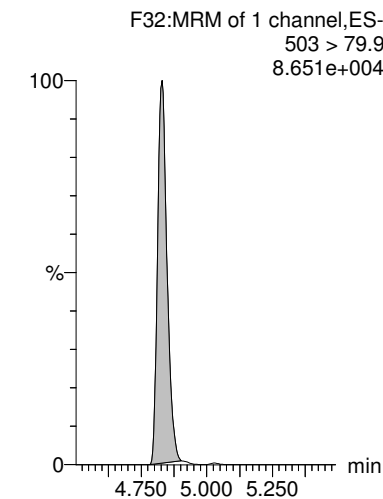
13C8-PFOA



13C9-PFNA



13C4-PFOS

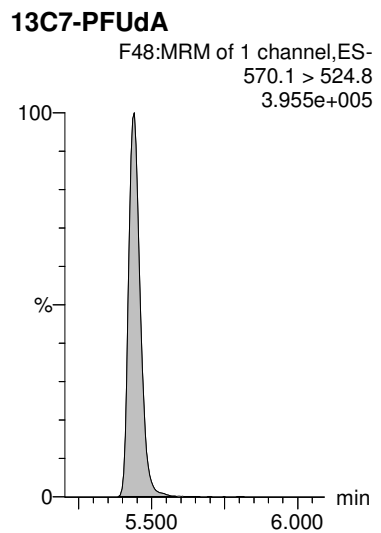
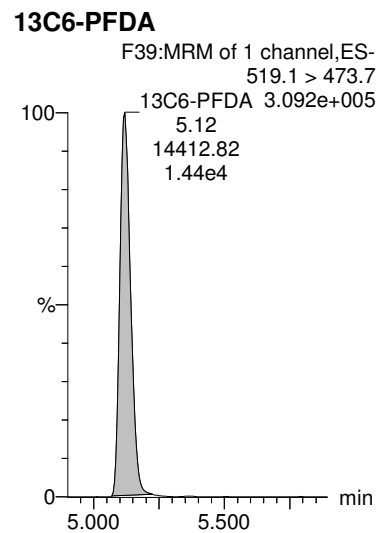


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-19.qld

Last Altered: Friday, April 27, 2018 11:00:45 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:04:50 Pacific Daylight Time

Name: 180419M2_19, Date: 19-Apr-2018, Time: 23:16:23, ID: 1800644-03 EB-0406181420 0.25199, Description: EB-0406181420



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-20.qld

Last Altered: Friday, April 27, 2018 11:05:53 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:06:28 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_20, Date: 19-Apr-2018, Time: 23:27:50, ID: 1800644-04 EB-0406181430 0.24622, Description: EB-0406181430

#	Name	Trace	Area	IS Area	wt/vol RRF M...	Pred.RT	RT	Response	Conc.	%Rec	
1	1 PFBA	213.0 > 168.8		8540.5	0.246	1.56					
2	2 PFPeA	263.1 > 218.9		10899.6	0.246	2.54					
3	3 PFBS	299.0 > 79.7		1832.8	0.246	2.81					
4	4 4:2 FTS	327.2>307.2		1832.8	0.246	3.21					
5	5 PFHxA	313.2 > 268.9		3733.5	0.246	3.30					
6	6 PFPeS	349.1>80.1		1832.8	0.246	3.50					
7	7 PFHpA	363.0 > 318.9		9463.7	0.246	3.92					
8	8 L-PFHxS	398.9 > 79.6		1432.2	0.246	4.06					
9	9 Br-PFHxS	398.9 > 79.6		1432.2	0.246	3.94					
10	10 6:2 FTS	427.1 > 407	21.7	3385.0	0.246	4.38	4.27	0.080	0.357		
11	11 L-PFOA	413 > 368.7		13555.2	0.246	4.30					
12	12 Br-PFOA	413 > 368.7		13555.2	0.246	4.16					
13	13 PFHpS	449 > 80.0		13555.2	0.246	4.54					
14	14 PFNA	463.0 > 418.8		12088.9	0.246	4.87					
15	15 PFOSA	498.2 > 77.9		2273.6	0.246	4.93					
16	16 L-PFOS	499.1 > 79.9		3186.8	0.246	4.90					
17	17 Br-PFOS	499.1 > 79.9		3186.8	0.246	4.15					
18	18 PFDA	513 > 468.8		10042.4	0.246	5.24					
19	19 8:2 FTS	527 > 506.9		2527.6	0.246	5.21					
20	20 PFNS	549.1>80.1		3186.8	0.246	5.30					
21	21 N-MeFOSAA	570.1 > 419		4302.1	0.246	5.39					
22	22 N-EtFOSAA	584.2 > 419		4676.8	0.246	5.55					
23	23 PFUdA	563.0 > 518.9		12273.0	0.246	5.56					
24	24 PFDS	598.8 > 80		12273.0	0.246	5.61					
25	25 PFDoA	612.9 > 569.0		9686.8	0.246	5.84					
26	27 PFTrDA	662.9 > 618.9		9686.8	0.246	6.10					
27	28 PFTeDA	712.9 > 668.8		9359.7	0.246	6.30					
28	34 13C3-PFBA	216.1 > 171.8	8540.5	10550.6	0.246	0.908	1.56	1.46	10.119	45.280	89.2
29	35 13C3-PFPeA	266. > 221.8	10899.6	13225.7	0.246	0.868	2.54	2.40	10.302	48.174	94.9
30	36 13C3-PFBS	302. > 98.8	1832.8	13225.7	0.246	0.131	2.81	2.68	1.732	53.599	105.6
31	37 13C2-PFHxA	315 > 269.8	3733.5	13225.7	0.246	0.735	3.30	3.17	3.529	19.498	96.0
32	38 13C4-PFHpA	367.2 > 321.8	9463.7	13225.7	0.246	0.768	3.92	3.79	8.944	47.313	93.2

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-20.qld

Last Altered: Friday, April 27, 2018 11:05:53 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:06:28 Pacific Daylight Time

Name: 180419M2_20, Date: 19-Apr-2018, Time: 23:27:50, ID: 1800644-04 EB-0406181430 0.24622, Description: EB-0406181430

	# Name	Trace	Area	IS Area	wt/vol RRF M...	Pred.RT	RT	Response	Conc.	%Rec
33	39 18O2-PFHxS	403.0 > 102.6	1432.2	3601.2	0.246 0.456	4.06	3.94	4.971	44.255	87.2
34	40 13C2-6:2 FTS	429.1 > 408.9	3385.0	14821.4	0.246 0.287	4.38	4.26	2.855	40.381	79.5
35	41 13C2-PFOA	414.9 > 369.7	13555.2	14821.4	0.246 1.104	4.43	4.31	11.432	42.042	82.8
36	42 13C5-PFNA	468.2 > 422.9	12088.9	15051.7	0.246 0.960	4.87	4.75	10.039	42.461	83.6
37	43 13C8-PFOSA	506.1 > 77.7	2273.6	17079.9	0.246 0.199	4.93	4.81	1.664	33.880	66.7
38	44 13C8-PFOS	507.0 > 79.9	3186.8	3837.5	0.246 1.045	4.95	4.83	10.380	40.351	79.5
39	45 13C2-PFDA	515.1 > 469.9	10042.4	14284.5	0.246 0.902	5.24	5.12	8.788	39.554	77.9
40	46 13C2-8:2 FTS	529.1 > 508.7	2527.6	13225.7	0.246 0.222	5.21	5.09	2.389	43.680	86.0
41	47 d3-N-MeFOSAA	573.3 > 419	4302.1	17079.9	0.246 0.375	5.39	5.27	3.149	34.091	67.2
42	48 d5-N-EtFOSAA	589.3 > 419	4676.8	17079.9	0.246 0.416	5.55	5.42	3.423	33.391	65.8
43	49 13C2-PFUdA	565 > 519.8	12273.0	17079.9	0.246 0.919	5.56	5.44	8.982	39.697	78.2
44	50 13C2-PFDoA	615.0 > 569.7	9686.8	17079.9	0.246 0.856	5.84	5.72	7.089	33.642	66.3
45	52 13C2-PFTeDA	714.8 > 669.6	9359.7	17079.9	0.246 0.725	6.30	6.18	6.850	38.378	75.6

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-20.qld

Last Altered: Friday, April 27, 2018 11:05:53 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:06:44 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_20, Date: 19-Apr-2018, Time: 23:27:50, ID: 1800644-04 EB-0406181430 0.24622, Description: EB-0406181430

#	Name	Trace	Area	IS Area	wt/vol	RRF M...	Pred.RT	RT	Response	Conc.	%Rec
1	72 13C2-4:2 FTS	329.2>308.9	3510.9	13225.7	0.246	0.285	3.38	3.08	3.318	47.351	93.3
2	65 Total PFHxS	398.9 > 79.6	0.0	1432.2	0.246		4.05		0.000		
3	66 Total PFOA	413 > 368.7	0.0	13555.2	0.246		4.30		0.000		
4	67 Total PFOS	499.1 > 79.9	0.0	3186.8	0.246		4.90		0.000		
5	68 Total N-MeFOSAA	570.1 > 419	0.0	4302.1	0.246		5.55		0.000		
6	69 Total N-EtFOSAA	584.2 > 419	0.0	4676.8	0.246		5.70		0.000		
7	57 13C4-PFBA	217. > 171.8	10550.6	10550.6	0.246	1.000	1.56	1.46	12.500	50.768	100.0
8	58 13C5-PFHxA	318 > 272.9	13225.7	13225.7	0.246	1.000	3.30	3.17	12.500	50.768	100.0
9	59 13C3-PFHxS	401.9 > 79.9	3601.2	3601.2	0.246	1.000	4.04	3.94	12.500	50.768	100.0
10	60 13C8-PFOA	421.3 > 376	14821.4	14821.4	0.246	1.000	4.43	4.31	12.500	50.768	100.0
11	61 13C9-PFNA	472.2 > 426.9	15051.7	15051.7	0.246	1.000	4.87	4.74	12.500	50.768	100.0
12	62 13C4-PFOS	503 > 79.9	3837.5	3837.5	0.246	1.000	4.95	4.82	12.500	50.768	100.0
13	63 13C6-PFDA	519.1 > 473.7	14284.5	14284.5	0.246	1.000	5.24	5.12	12.500	50.768	100.0
14	64 13C7-PFUDa	570.1 > 524.8	17079.9	17079.9	0.246	1.000	5.56	5.44	12.500	50.768	100.0

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-20.qld

Last Altered: Friday, April 27, 2018 11:05:53 Pacific Daylight Time

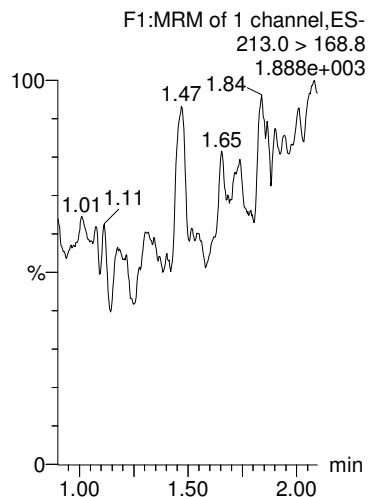
Printed: Tuesday, May 01, 2018 16:06:44 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

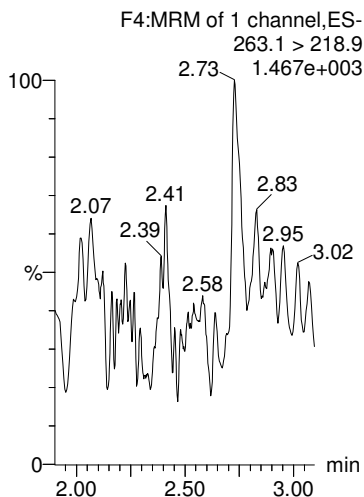
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_20, Date: 19-Apr-2018, Time: 23:27:50, ID: 1800644-04 EB-0406181430 0.24622, Description: EB-0406181430

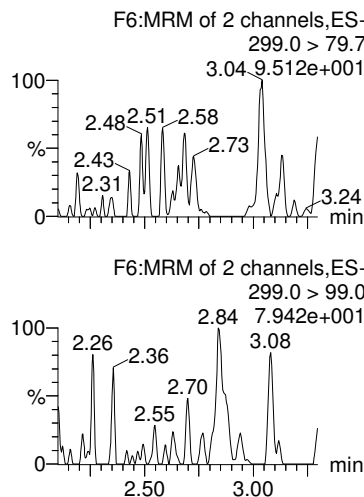
PFBA



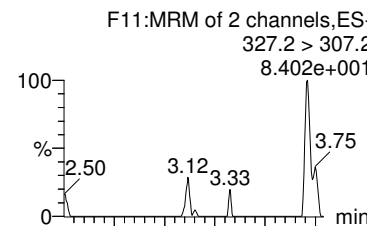
PFPeA



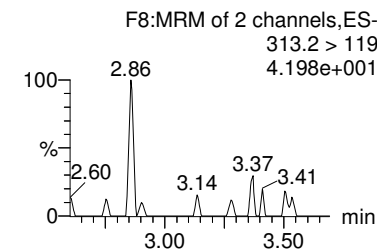
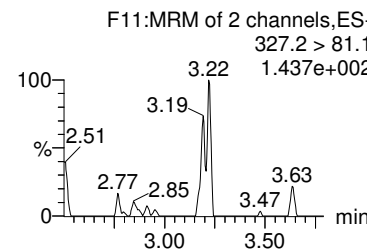
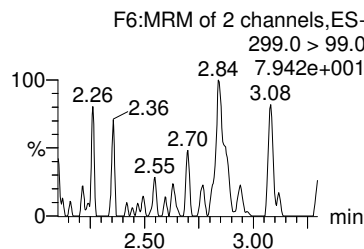
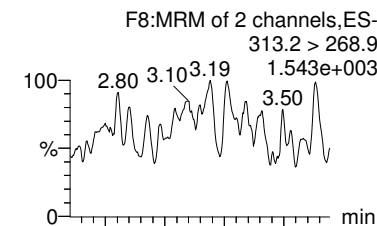
PFBS



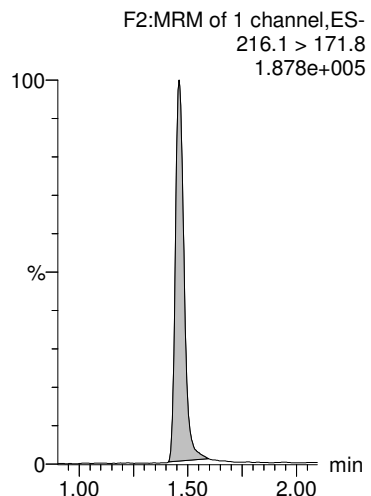
4:2 FTS



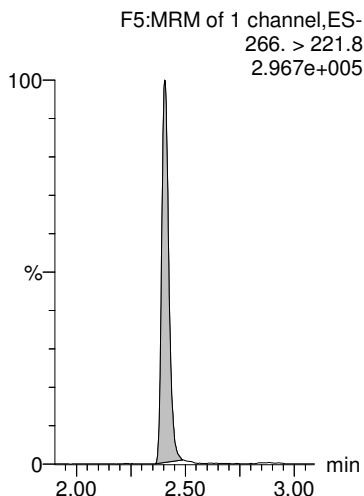
PFHxA



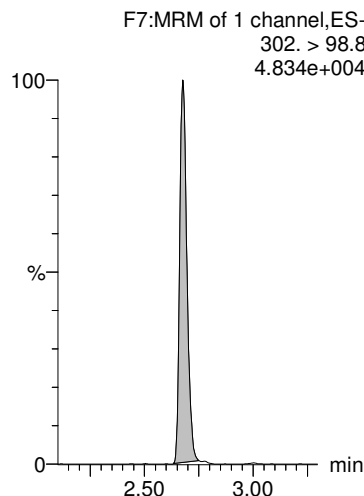
13C3-PFBA



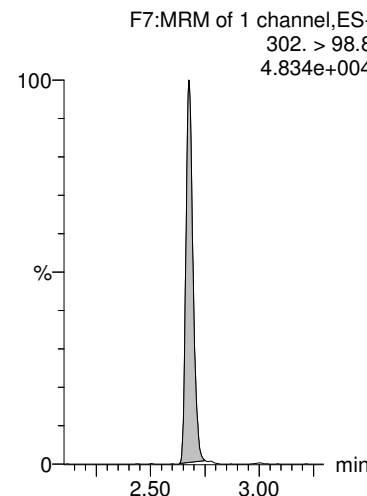
13C3-PFPeA



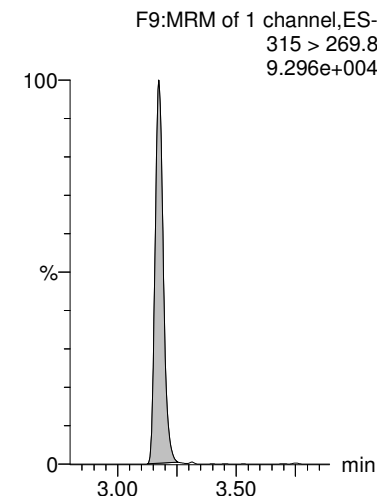
13C3-PFBS



13C3-PFBS



13C2-PFHxA



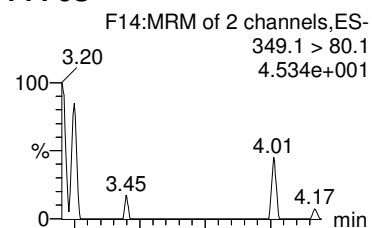
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-20.qld

Last Altered: Friday, April 27, 2018 11:05:53 Pacific Daylight Time

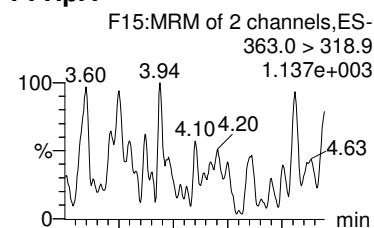
Printed: Tuesday, May 01, 2018 16:06:44 Pacific Daylight Time

Name: 180419M2_20, Date: 19-Apr-2018, Time: 23:27:50, ID: 1800644-04 EB-0406181430 0.24622, Description: EB-0406181430

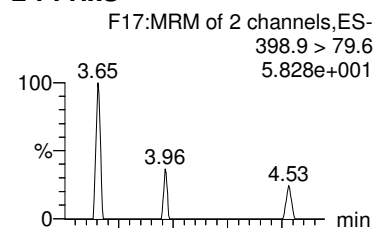
PFPeS



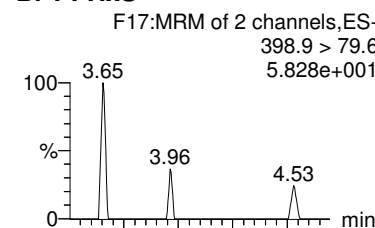
PFHpA



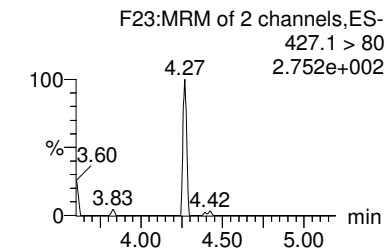
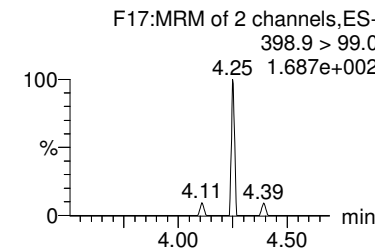
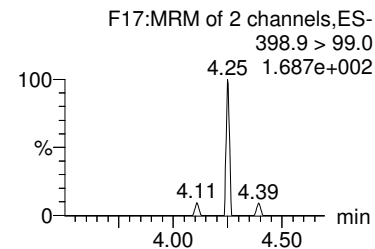
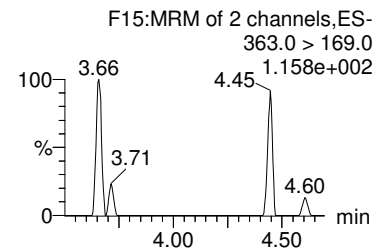
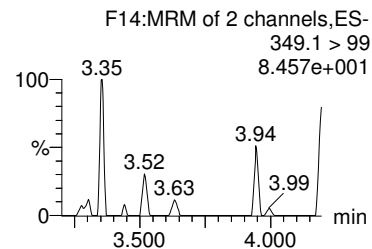
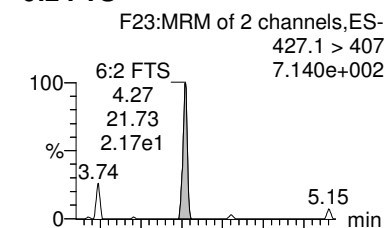
L-PFHxS



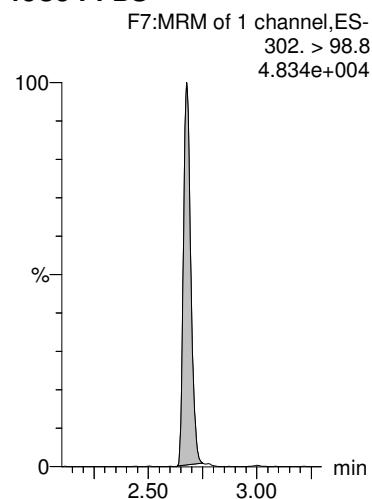
Br-PFHxS



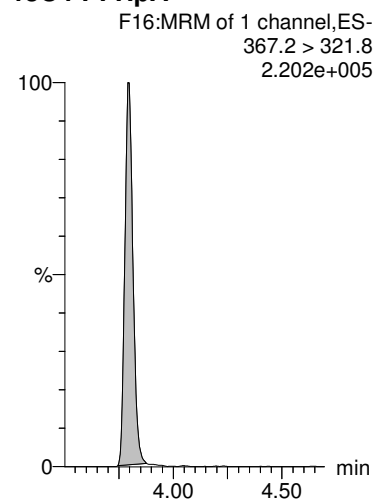
6:2 FTS



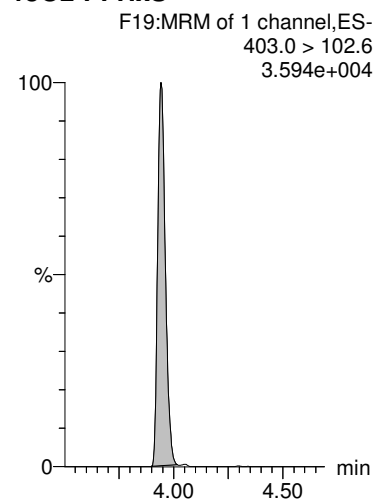
13C3-PFBS



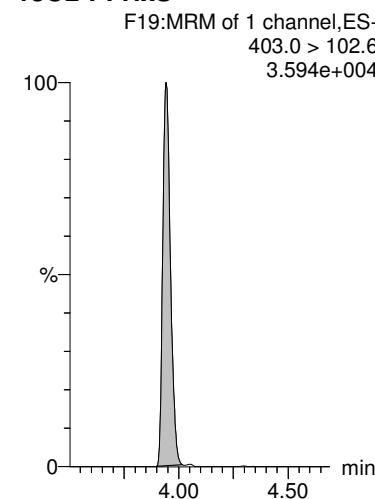
13C4-PFHpA



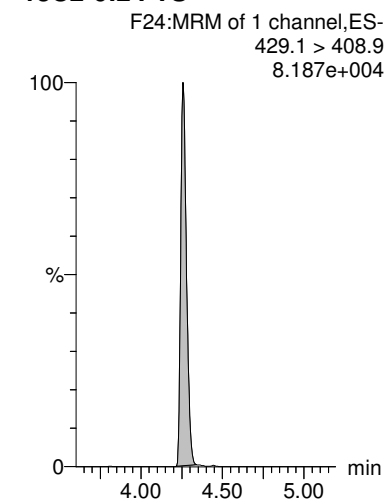
18O2-PFHxS



18O2-PFHxS



13C2-6:2 FTS



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-20.qld

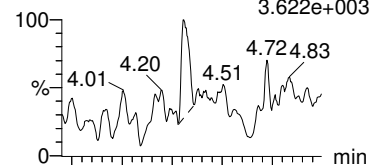
Last Altered: Friday, April 27, 2018 11:05:53 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:06:44 Pacific Daylight Time

Name: 180419M2_20, Date: 19-Apr-2018, Time: 23:27:50, ID: 1800644-04 EB-0406181430 0.24622, Description: EB-0406181430

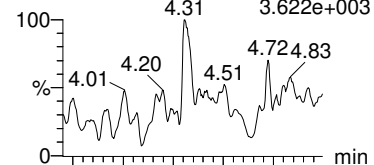
L-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
3.622e+003



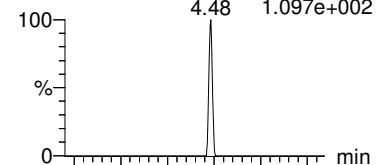
Br-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
3.622e+003



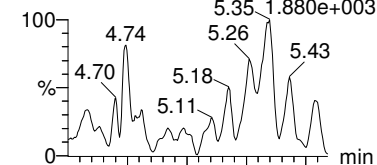
PFHpS

F25:MRM of 2 channels,ES-
449 > 80.0
1.097e+002



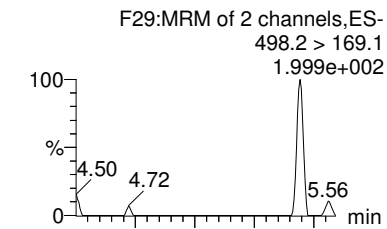
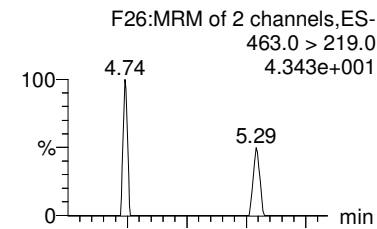
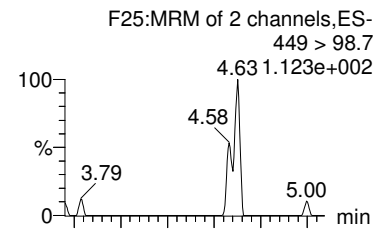
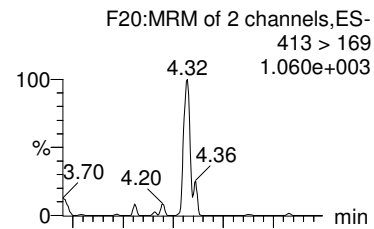
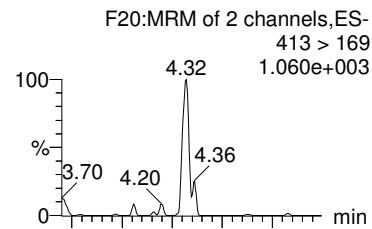
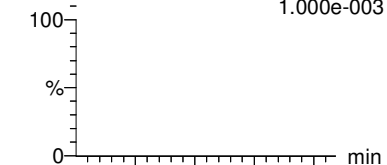
PFNA

F26:MRM of 2 channels,ES-
463.0 > 418.8
5.35_1.880e+003



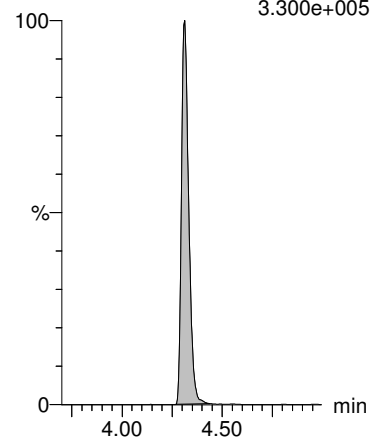
PFOSA

F29:MRM of 2 channels,ES-
498.2 > 77.9
1.000e-003



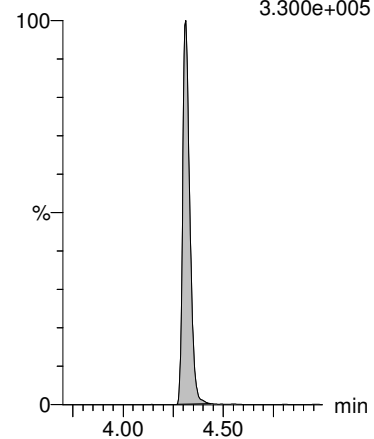
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.300e+005



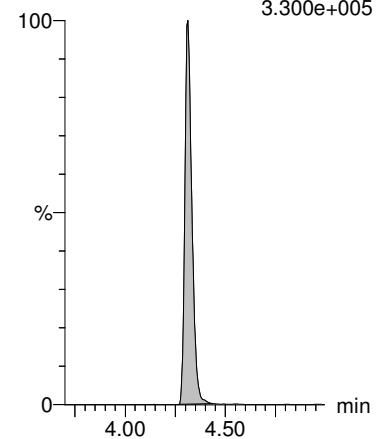
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.300e+005



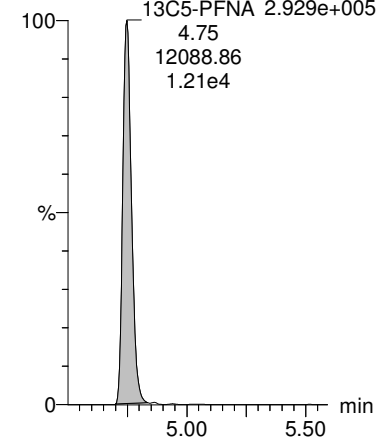
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.300e+005



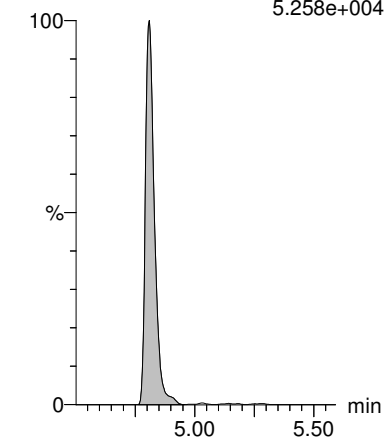
13C5-PFNA

F27:MRM of 1 channel,ES-
468.2 > 422.9
2.929e+005



13C8-PFOA

F33:MRM of 1 channel,ES-
506.1 > 77.7
5.258e+004



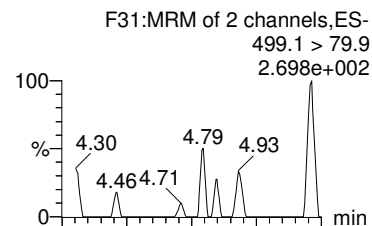
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-20.qld

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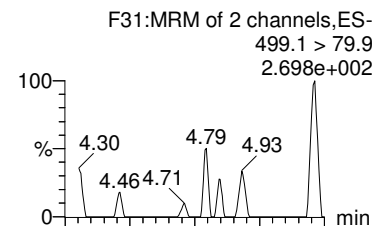
Printed: Tuesday, May 01, 2018 16:06:44 Pacific Daylight Time

Name: 180419M2_20, Date: 19-Apr-2018, Time: 23:27:50, ID: 1800644-04 EB-0406181430 0.24622, Description: EB-0406181430

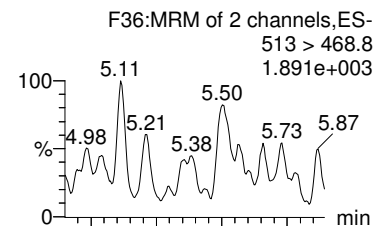
L-PFOS



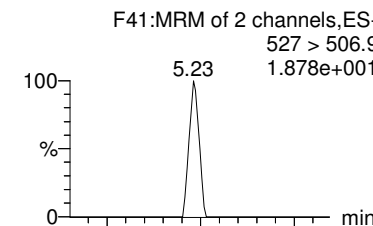
Br-PFOS



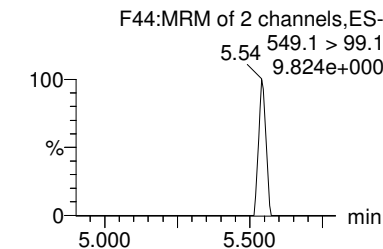
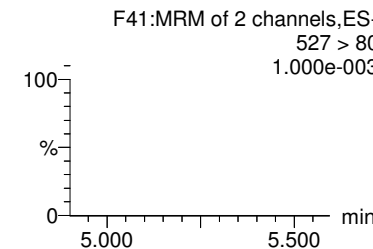
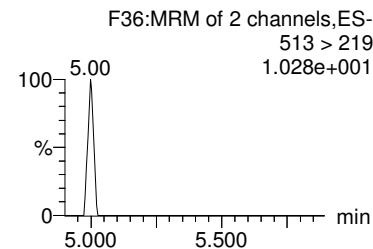
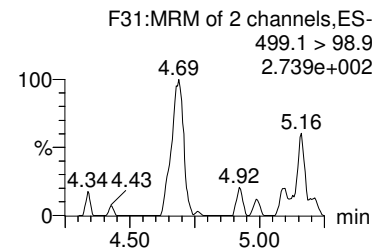
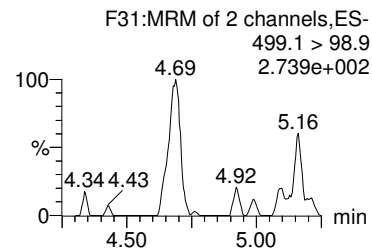
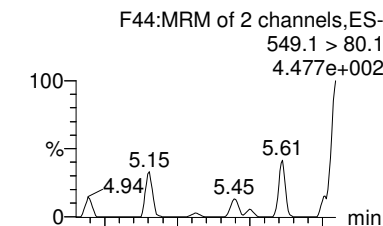
PFDA



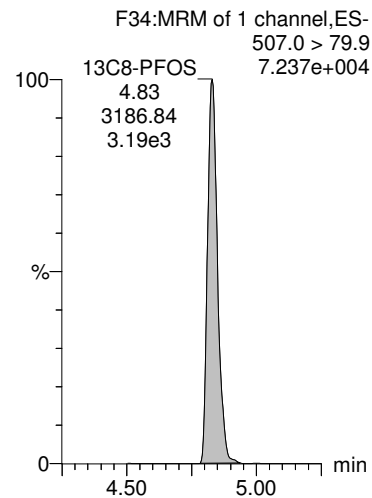
8:2 FTS



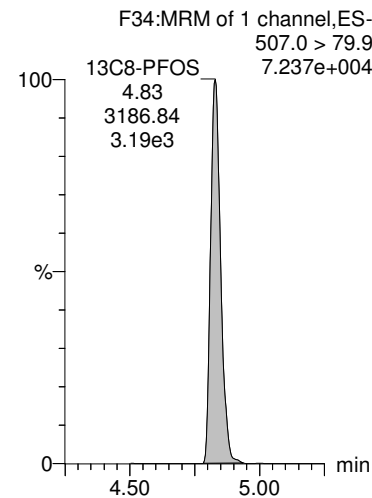
PFNS



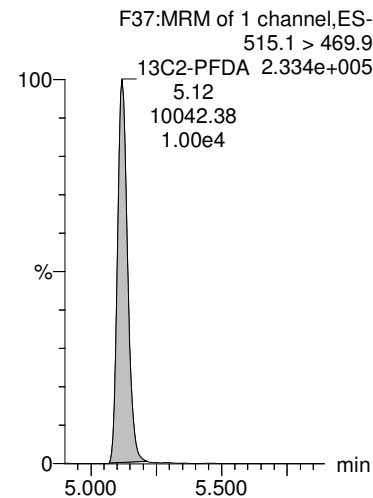
13C8-PFOS



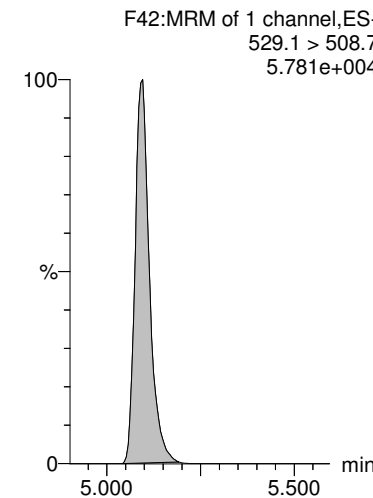
13C8-PFOS



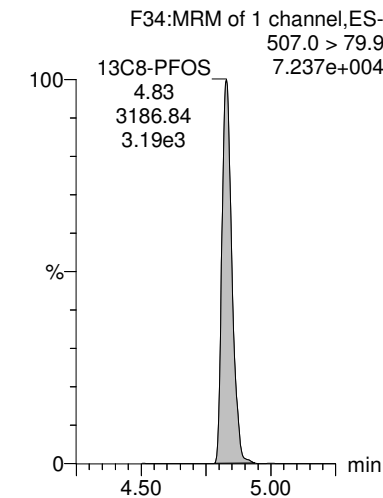
13C2-PFDA



13C2-8:2 FTS



13C8-PFOS



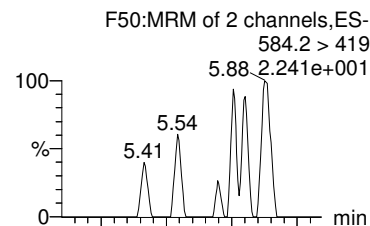
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-20.qld

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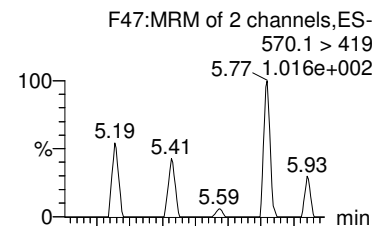
Printed: Tuesday, May 01, 2018 16:06:44 Pacific Daylight Time

Name: 180419M2_20, Date: 19-Apr-2018, Time: 23:27:50, ID: 1800644-04 EB-0406181430 0.24622, Description: EB-0406181430

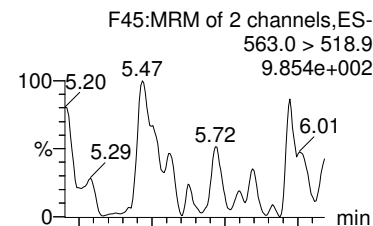
N-EtFOSAA



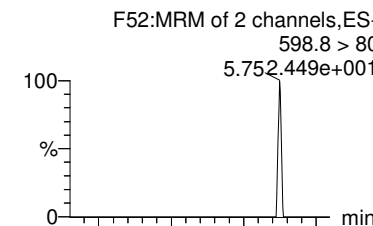
N-MeFOSAA



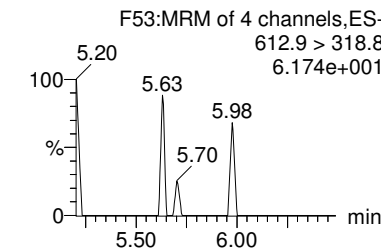
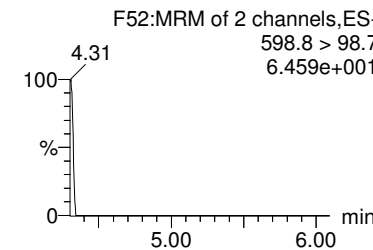
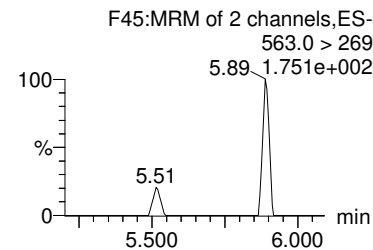
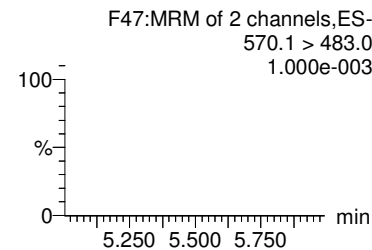
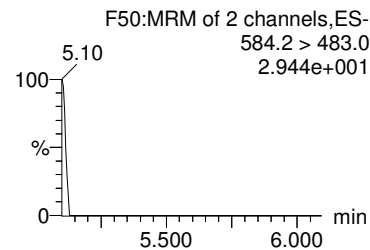
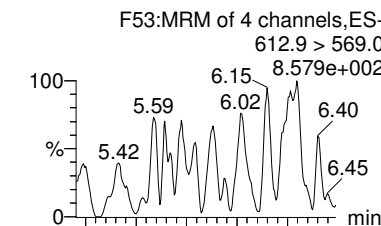
PFUdA



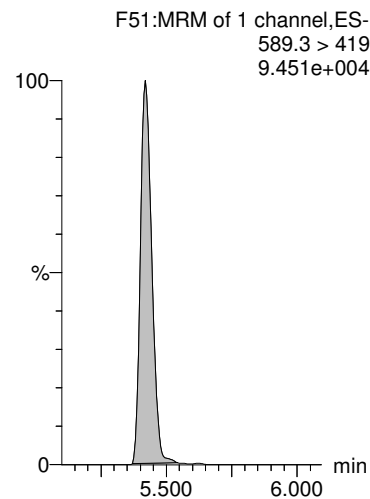
PFDS



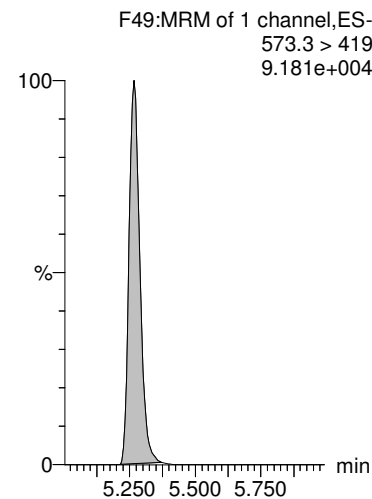
PFDoA



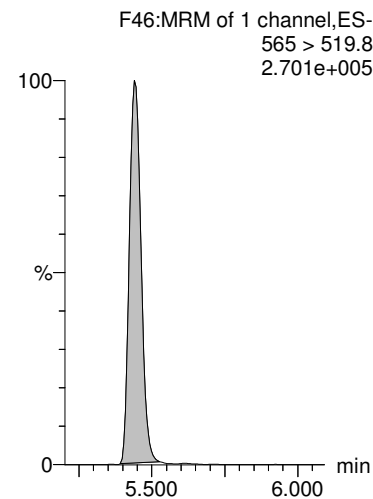
d5-N-EtFOSAA



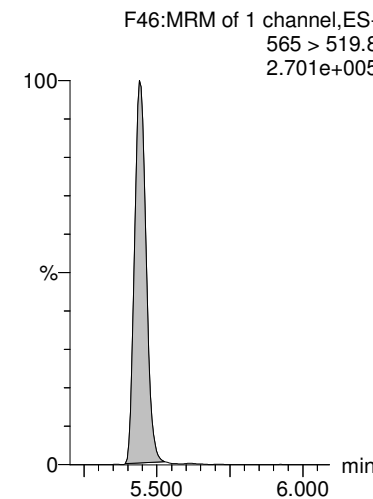
d3-N-MeFOSAA



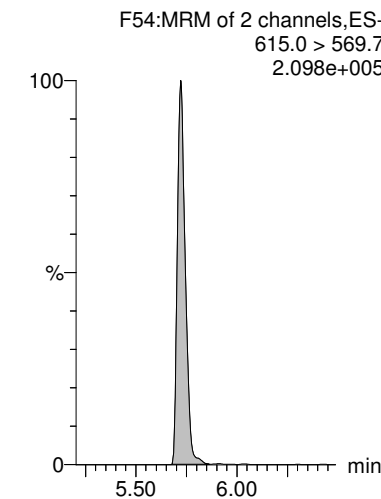
13C2-PFUdA



13C2-PFUdA



13C2-PFDoA



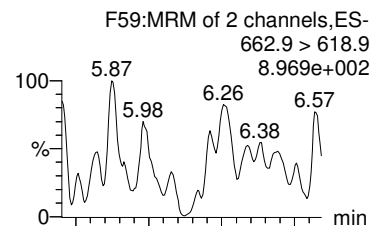
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Last Altered: Friday, April 27, 2018 11:05:53 Pacific Daylight Time

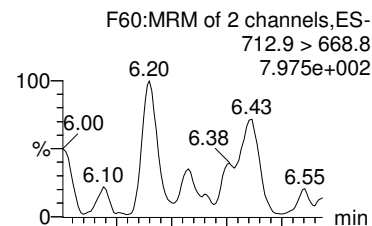
Printed: Tuesday, May 01, 2018 16:06:44 Pacific Daylight Time

Name: 180419M2_20, Date: 19-Apr-2018, Time: 23:27:50, ID: 1800644-04 EB-0406181430 0.24622, Description: EB-0406181430

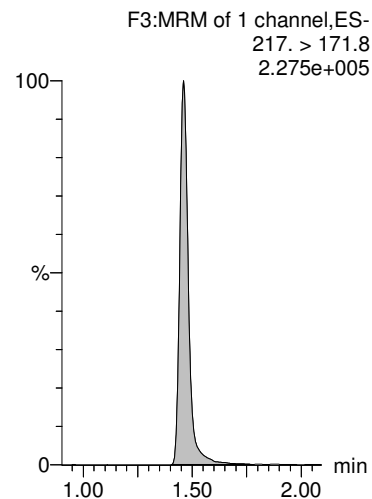
PFTrDA



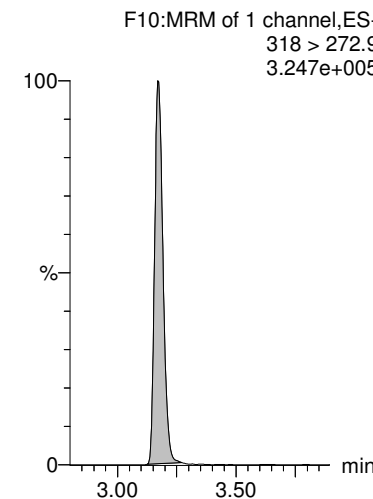
PFTeDA



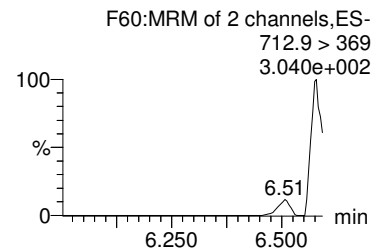
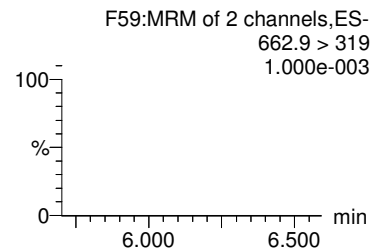
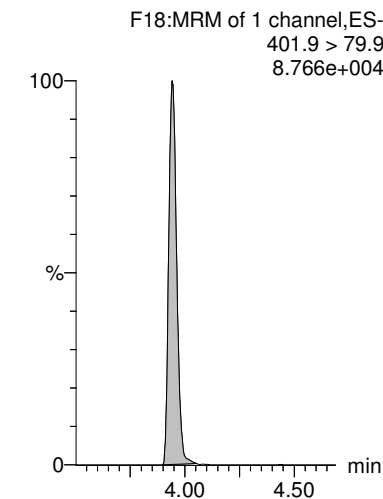
13C4-PFBA



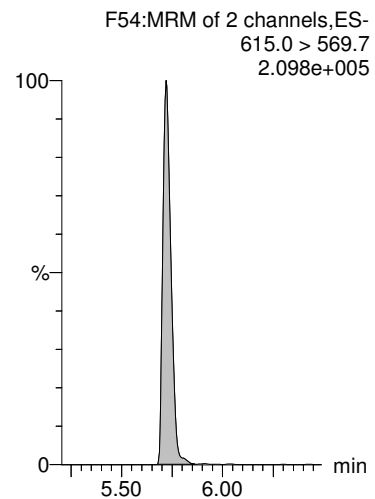
13C5-PFHxA



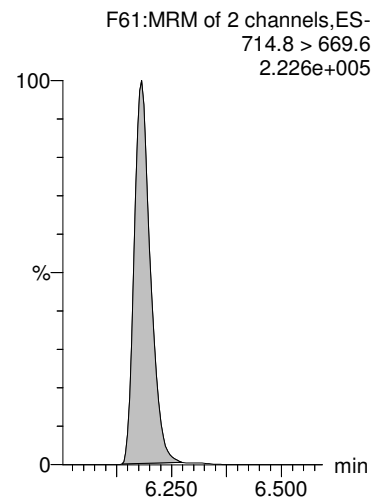
13C3-PFHxS



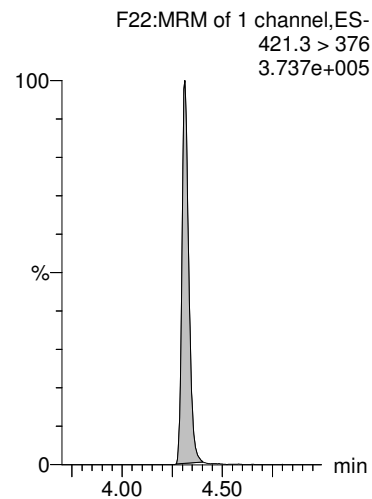
13C2-PFD0A



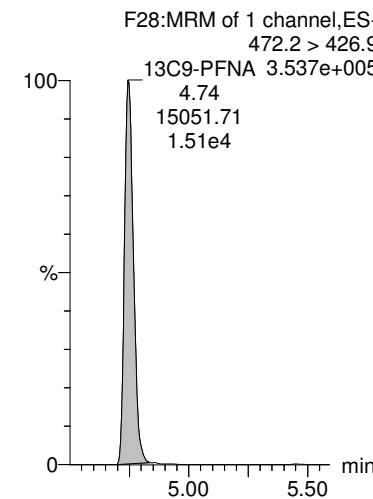
13C2-PFTeDA



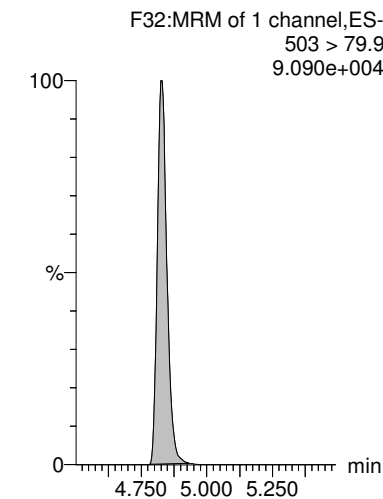
13C8-PFOA



13C9-PFNA



13C4-PFOS

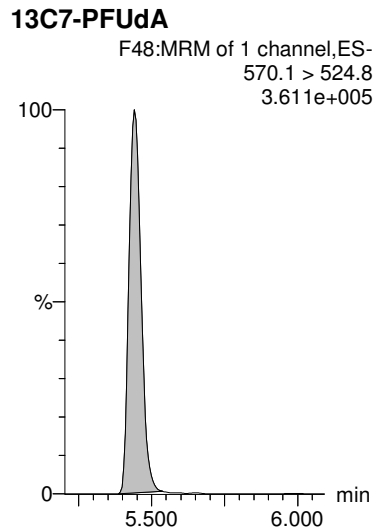
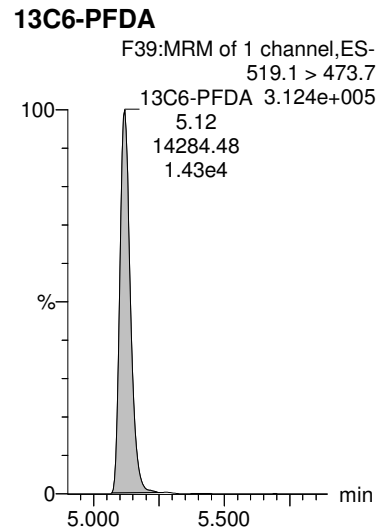


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-20.qld

Last Altered: Friday, April 27, 2018 11:05:53 Pacific Daylight Time

Printed: Tuesday, May 01, 2018 16:06:44 Pacific Daylight Time

Name: 180419M2_20, Date: 19-Apr-2018, Time: 23:27:50, ID: 1800644-04 EB-0406181430 0.24622, Description: EB-0406181430



CONTINUING CALIBRATION

LC Calibration Standards Review Checklist

04

Calibration ID:	L M H	ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	
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_____	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MA

Full Mass Cal. Date: 7/2/18

Run Log Present:

of Samples per Sequence Checked:

Instrument Blank Saved

IIS Area Saved

Reviewed By: AD 5/2/18
Initials/Date

Comments:

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-33_82fts.qld

Last Altered: Wednesday, May 02, 2018 13:10:06 Pacific Daylight Time

Printed: Wednesday, May 02, 2018 13:31:55 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

✓AD 5/2/18

Name: 180419M2_33, Date: 20-Apr-2018, Time: 01:57:13, ID: ST180419M2-11 PFC CS3 18D1707, Description: PFC CS3 18D1707

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out
1	1 PFBA	213.0 > 16...	1.16e4	1.32e4		1.56	1.46	11.0	10.2	102.4	NO	
2	2 PFPeA	263.1 > 21...	1.28e4	1.63e4		2.54	2.40	9.83	10.2	101.7	NO	
3	3 PFBS	299.0 > 79.7	3.47e3	2.42e3		2.81	2.67	17.9	9.85	98.5	NO	
4	4 4:2 FTS	327.2>307.2	3.89e3	2.42e3		3.21	3.08	20.1	9.97	99.7	NO	
5	5 PFHxA	313.2 > 26...	1.69e4	5.42e3		3.30	3.17	15.6	10.1	100.9	NO	
6	6 PFPeS	349.1>80.1	2.87e3	2.42e3		3.50	3.37	14.8	9.93	99.3	NO	
7	7 PFHpA	363.0 > 31...	1.32e4	1.41e4		3.92	3.79	11.7	10.1	101.5	NO	
8	8 L-PFHxS	398.9 > 79.6	2.76e3	1.87e3		4.06	3.94	18.5	10.9	108.8	NO	
9	10 6:2 FTS	427.1 > 407	3.96e3	4.50e3		4.38	4.25	11.0	10.4	103.8	NO	
10	11 L-PFOA	413 > 368.7	1.50e4	2.04e4		4.30	4.31	9.23	9.88	98.8	NO	
11	13 PFHpS	449 > 80.0	3.25e3	2.04e4		4.54	4.42	1.99	10.5	104.9	NO	
12	14 PFNA	463.0 > 41...	1.59e4	1.79e4		4.87	4.74	11.1	9.99	99.9	NO	
13	15 PFOSA	498.2 > 77.9	3.27e3	4.82e3		4.93	4.81	8.48	9.72	97.2	NO	
14	16 L-PFOS	499.1 > 79.9	3.12e3	4.89e3		4.90	4.83	7.97	8.69	86.9	NO	
15	18 PFDA	513 > 468.8	1.91e4	1.68e4		5.24	5.12	14.2	10.4	104.3	NO	
16	19 8:2 FTS	527 > 506.9	4.42e3	3.62e3		5.21	5.09	15.3	10.0	100.2	NO	
17	20 PFNS	549.1>80.1	2.60e3	4.89e3		5.30	5.18	6.64	9.06	90.6	NO	
18	21 N-MeFOSAA	570.1 > 419	8.98e3	9.43e3		5.39	5.27	11.9	8.61	86.1	NO	
19	22 N-EtFOSAA	584.2 > 419	8.19e3	9.53e3		5.55	5.43	10.8	11.2	112.0	NO	
20	23 PFUdA	563.0 > 51...	1.54e4	1.87e4		5.56	5.44	10.3	11.3	113.1	NO	
21	24 PFDS	598.8 > 80	2.82e3	1.87e4		5.61	5.48	1.88	11.5	115.5	NO	
22	25 PFDoA	612.9 > 56...	1.81e4	1.67e4		5.84	5.72	13.5	11.9	118.8	NO	
23	26 N-MeFOSA	512.1 > 16...	8.56e3	2.84e4		6.00	5.81	45.2	47.0	94.0	NO	
24	27 PFTrDA	662.9 > 61...	1.68e4	1.67e4		6.10	5.96	12.5	10.0	100.4	NO	
25	28 PFTeDA	712.9 > 66...	1.43e4	1.22e4		6.30	6.18	14.7	11.6	116.0	NO	
26	29 N-EtFOSA	526.1 > 16...	1.15e4	4.18e4		6.38	6.20	41.4	49.4	98.8	NO	
27	30 PFHxDA	813.1 > 76...	1.02e4	1.03e4		6.62	6.50	4.92	7.78	77.8	NO	
28	31 PFOA	913.1 > 86...	1.82e4	1.03e4		6.85	6.72	8.83	10.3	103.4	NO	
29	32 N-MeFOSE	616.1 > 58.9	1.19e4	3.59e4		6.50	6.33	49.9	57.3	114.7	NO	
30	33 N-EtFOSE	630.1 > 58.9	1.31e4	3.74e4		6.65	6.48	52.6	53.8	107.6	NO	
31	34 13C3-PFBA	216.1 > 17...	1.32e4	1.50e4	0.908	1.56	1.46	11.0	12.1	96.7	NO	

Handwritten notes: CUM, 4/5/18, 5/2/18, 5/2/18

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-33_82fts.qld

Last Altered: Wednesday, May 02, 2018 13:10:06 Pacific Daylight Time

Printed: Wednesday, May 02, 2018 13:31:55 Pacific Daylight Time

Name: 180419M2_33, Date: 20-Apr-2018, Time: 01:57:13, ID: ST180419M2-11 PFC CS3 18D1707, Description: PFC CS3 18D1707

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35 13C3-PFPeA	266. > 221.8	1.63e4	1.79e4	0.868	2.54	2.40	11.4	13.1	104.6	NO
33	36 13C3-PFBS	302. > 98.8	2.42e3	1.79e4	0.131	2.81	2.67	1.69	12.9	103.0	NO
34	37 13C2-PFHxA	315 > 269.8	5.42e3	1.79e4	0.735	3.30	3.17	3.78	5.14	102.8	NO
35	38 13C4-PFHpA	367.2 > 32...	1.41e4	1.79e4	0.768	3.92	3.79	9.85	12.8	102.6	NO
36	39 18O2-PFHxS	403.0 > 10...	1.87e3	4.67e3	0.456	4.06	3.94	4.99	10.9	87.5	NO
37	40 13C2-6:2 FTS	429.1 > 40...	4.50e3	1.81e4	0.287	4.38	4.26	3.11	10.8	86.6	NO
38	41 13C2-PFOA	414.9 > 36...	2.04e4	1.81e4	1.104	4.43	4.31	14.1	12.7	101.8	NO
39	42 13C5-PFNA	468.2 > 42...	1.79e4	1.78e4	0.960	4.87	4.74	12.5	13.1	104.5	NO
40	43 13C8-PFOSA	506.1 > 77.7	4.82e3	2.13e4	0.199	4.93	4.81	2.83	14.2	113.5	NO
41	44 13C8-PFOS	507.0 > 79.9	4.89e3	4.40e3	1.045	4.95	4.83	13.9	13.3	106.2	NO
42	45 13C2-PFDA	515.1 > 46...	1.68e4	1.81e4	0.902	5.24	5.12	11.6	12.8	102.8	NO
43	46 13C2-8:2 FTS	529.1 > 50...	3.62e3	1.79e4	0.222	5.21	5.09	2.52	11.3	90.8	NO
44	47 d3-N-MeFOSAA	573.3 > 419	9.43e3	2.13e4	0.375	5.39	5.26	5.54	14.8	118.1	NO
45	48 d5-N-EtFOSAA	589.3 > 419	9.53e3	2.13e4	0.416	5.55	5.42	5.59	13.4	107.5	NO
46	49 13C2-PFUdA	565 > 519.8	1.87e4	2.13e4	0.919	5.56	5.44	11.0	12.0	95.7	NO
47	50 13C2-PFDoA	615.0 > 56...	1.67e4	2.13e4	0.856	5.84	5.72	9.82	11.5	91.8	NO
48	51 d3-N-MeFOSA	515.2 > 16...	2.84e4	2.13e4	0.100	6.00	5.84	16.7	167	111.5	NO
49	52 13C2-PFTeDA	714.8 > 66...	1.22e4	2.13e4	0.725	6.30	6.18	7.17	9.89	79.1	NO
50	53 d5-N-ETFOSA	531.1 > 16...	4.18e4	2.13e4	0.140	6.40	6.21	24.6	175	116.6	NO
51	54 13C2-PFHxDa	815 > 769.7	1.03e4	2.13e4	1.347	6.62	6.50	6.05	4.50	89.9	NO
52	55 d7-N-MeFOSE	623.1 > 58.9	3.59e4	2.13e4	0.140	6.50	6.32	21.1	150	100.2	NO
53	56 d9-N-EtFOSE	639.2 > 58.8	3.74e4	2.13e4	0.134	6.65	6.47	22.0	164	109.4	NO
54	57 13C4-PFBA	217. > 171.8	1.50e4	1.50e4	1.000	1.56	1.46	12.5	12.5	100.0	NO
55	58 13C5-PFHxA	318 > 272.9	1.79e4	1.79e4	1.000	3.30	3.17	12.5	12.5	100.0	NO
56	59 13C3-PFHxS	401.9 > 79.9	4.67e3	4.67e3	1.000	4.04	3.94	12.5	12.5	100.0	NO
57	60 13C8-PFOA	421.3 > 376	1.81e4	1.81e4	1.000	4.43	4.31	12.5	12.5	100.0	NO
58	61 13C9-PFNA	472.2 > 42...	1.78e4	1.78e4	1.000	4.87	4.74	12.5	12.5	100.0	NO
59	62 13C4-PFOS	503 > 79.9	4.40e3	4.40e3	1.000	4.95	4.82	12.5	12.5	100.0	NO
60	63 13C6-PFDA	519.1 > 47...	1.81e4	1.81e4	1.000	5.24	5.11	12.5	12.5	100.0	NO
61	64 13C7-PFUdA	570.1 > 52...	2.13e4	2.13e4	1.000	5.56	5.44	12.5	12.5	100.0	NO

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Wednesday, May 02, 2018 13:34:47 Pacific Daylight Time

Printed: Wednesday, May 02, 2018 13:37:15 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Compound name: PFBA

	Name	ID	Acq Date	Acq Time
1	180419M2_1	IPA	19-Apr-18	19:49:44
2	180419M2_2	ST180419M2-1 PFC CS-2 18D1702	19-Apr-18	20:01:14
3	180419M2_3	ST180419M2-2 PFC CS-1 18D1703	19-Apr-18	20:12:44
4	180419M2_4	ST180419M2-3 PFC CS0 18D1704	19-Apr-18	20:24:13
5	180419M2_5	ST180419M2-4 PFC CS1 18D1705	19-Apr-18	20:35:42
6	180419M2_6	ST180419M2-5 PFC CS2 18D1706	19-Apr-18	20:47:11
7	180419M2_7	ST180419M2-6 PFC CS3 18D1707	19-Apr-18	20:58:40
8	180419M2_8	ST180419M2-7 PFC CS4 18D1708	19-Apr-18	21:10:07
9	180419M2_9	ST180419M2-8 PFC CS5 18D1709	19-Apr-18	21:21:36
10	180419M2_10	ST180419M2-9 PFC CS6 18D1710	19-Apr-18	21:33:03
11	180419M2_11	ST180419M2-10 PFC CS7 18D1711	19-Apr-18	21:44:33
12	180419M2_12	IPA	19-Apr-18	21:56:03
13	180419M2_13	ICV180419M2-1 PFC ICV 18D1701	19-Apr-18	22:07:32
14	180419M2_14	IPA	19-Apr-18	22:19:00
15	180419M2_15	B8D0071-BS1 OPR 0.25	19-Apr-18	22:30:29
16	180419M2_16	B8D0071-BLK1 Method Blank 0.25	19-Apr-18	22:41:58
17	180419M2_17	1800644-01 EB-0406181400 0.25809	19-Apr-18	22:53:28
18	180419M2_18	1800644-02 EB-0406181410 0.25812	19-Apr-18	23:04:54
19	180419M2_19	1800644-03 EB-0406181420 0.25199	19-Apr-18	23:16:23
20	180419M2_20	1800644-04 EB-0406181430 0.24622	19-Apr-18	23:27:50
21	180419M2_21	B8D0078-BS1 OPR 0.25	19-Apr-18	23:39:20
22	180419M2_22	B8D0078-BSD1 LCSD 0.25	19-Apr-18	23:50:49
23	180419M2_23	B8D0078-BLK1 Method Blank 0.25	20-Apr-18	00:02:18
24	180419M2_24	1800621-01 Bemidji Pilot APR2 lead 0.24745	20-Apr-18	00:13:45
25	180419M2_25	1800621-02 Bemidji Pilot INF 0.25082	20-Apr-18	00:25:15
26	180419M2_26	1800621-03 Bemidji Pilot PSR2+ lead 0.24673	20-Apr-18	00:36:45
27	180419M2_27	1800621-04 Bemidji PSR2+ Lead Blank 0.25349	20-Apr-18	00:48:15
28	180419M2_28	B8D0079-BS1 OPR 0.25	20-Apr-18	00:59:44
29	180419M2_29	B8D0079-BSD1 LCSD 0.25	20-Apr-18	01:11:14
30	180419M2_30	B8D0079-BLK1 Method Blank 0.25	20-Apr-18	01:22:44
31	180419M2_31	1800642-01 EFFOUT-0401-01NS 0.25502	20-Apr-18	01:34:13

Dataset: Untitled

Last Altered: Wednesday, May 02, 2018 13:34:47 Pacific Daylight Time

Printed: Wednesday, May 02, 2018 13:37:15 Pacific Daylight Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180419M2_32	IPA	20-Apr-18	01:45:43
33	180419M2_33	ST180419M2-11 PFC CS3 18D1707	20-Apr-18	01:57:13
34	180419M2_34	IPA	20-Apr-18	02:08:43

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-33_82fts.qld

Last Altered: Wednesday, May 02, 2018 13:10:06 Pacific Daylight Time

Printed: Wednesday, May 02, 2018 13:31:55 Pacific Daylight Time

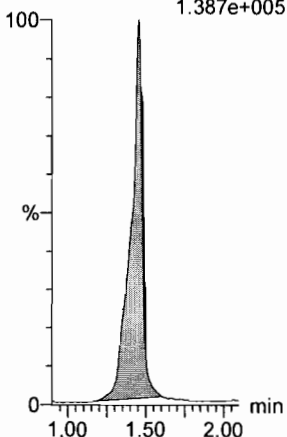
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_33, Date: 20-Apr-2018, Time: 01:57:13, ID: ST180419M2-11 PFC CS3 18D1707, Description: PFC CS3 18D1707

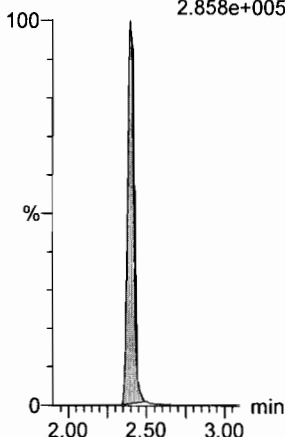
PFBA

F1:MRM of 1 channel,ES-
213.0 > 168.8
1.387e+005



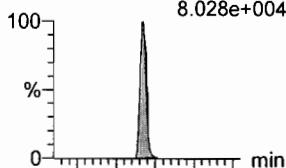
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
2.858e+005

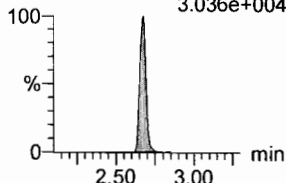


PFBS

F6:MRM of 2 channels,ES-
299.0 > 79.7
8.028e+004

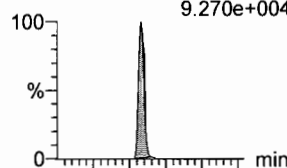


F6:MRM of 2 channels,ES-
299.0 > 99.0
3.036e+004

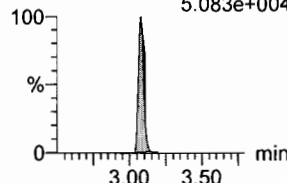


4:2 FTS

F11:MRM of 2 channels,ES-
327.2 > 307.2
9.270e+004

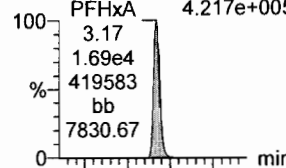


F11:MRM of 2 channels,ES-
327.2 > 81.1
5.083e+004

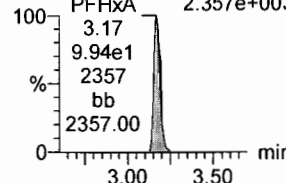


PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
4.217e+005

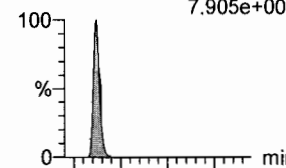


F8:MRM of 2 channels,ES-
313.2 > 119
2.357e+003

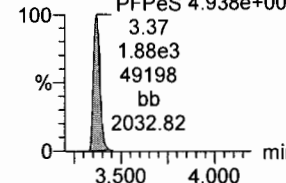


PFPeS

F14:MRM of 2 channels,ES-
349.1 > 80.1
7.905e+004

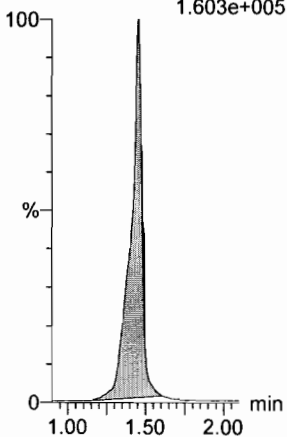


F14:MRM of 2 channels,ES-
349.1 > 99
4.938e+004



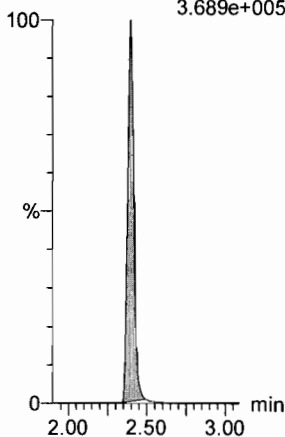
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
1.603e+005



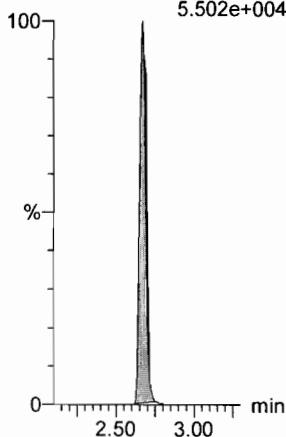
13C3-PFPeA

F5:MRM of 1 channel,ES-
266. > 221.8
3.689e+005



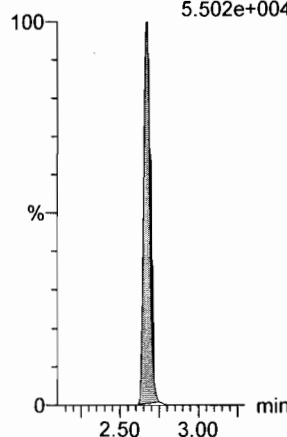
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.502e+004



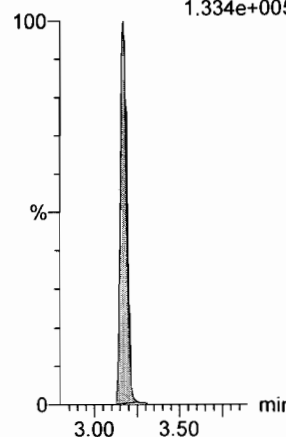
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.502e+004



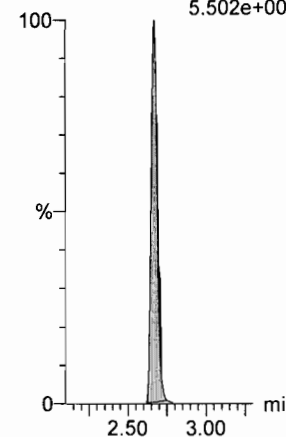
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
1.334e+005



13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.502e+004



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-33_82fts.qld

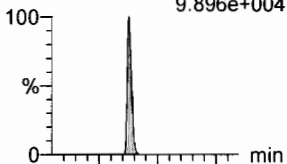
Last Altered: Wednesday, May 02, 2018 13:10:06 Pacific Daylight Time

Printed: Wednesday, May 02, 2018 13:31:55 Pacific Daylight Time

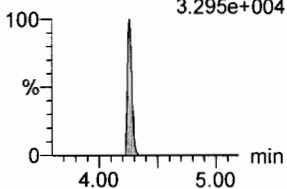
Name: 180419M2_33, Date: 20-Apr-2018, Time: 01:57:13, ID: ST180419M2-11 PFC CS3 18D1707, Description: PFC CS3 18D1707

6:2 FTS

F23:MRM of 2 channels,ES-
427.1 > 407
9.896e+004

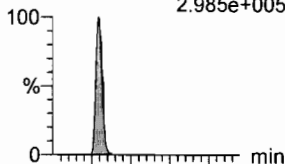


F23:MRM of 2 channels,ES-
427.1 > 80
3.295e+004

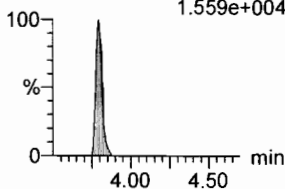


PFHpA

F15:MRM of 2 channels,ES-
363.0 > 318.9
2.985e+005

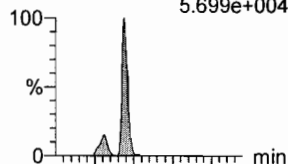


F15:MRM of 2 channels,ES-
363.0 > 169.0
1.559e+004

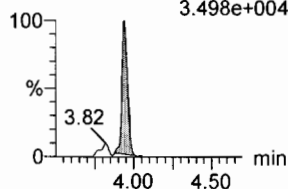


L-PFHxS

F17:MRM of 2 channels,ES-
398.9 > 79.6
5.699e+004

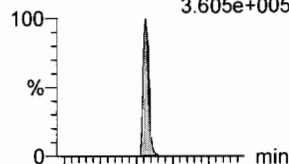


F17:MRM of 2 channels,ES-
398.9 > 99.0
3.498e+004

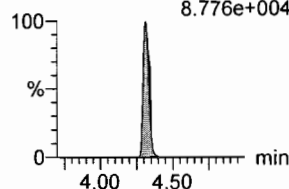


L-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
3.605e+005

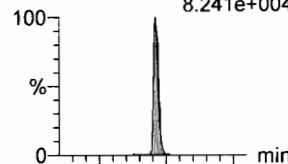


F20:MRM of 2 channels,ES-
413 > 169
8.776e+004

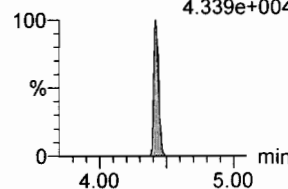


PFHpS

F25:MRM of 2 channels,ES-
449 > 80.0
8.241e+004

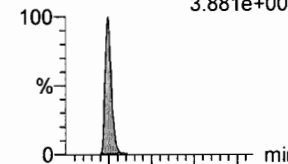


F25:MRM of 2 channels,ES-
449 > 98.7
4.339e+004

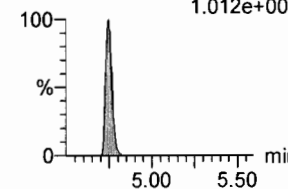


PFNA

F26:MRM of 2 channels,ES-
463.0 > 418.8
3.881e+005

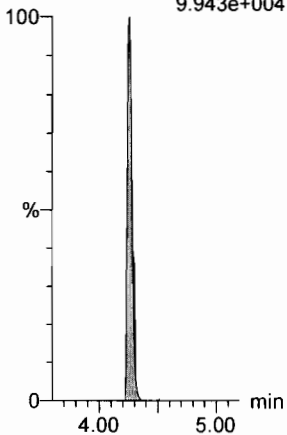


F26:MRM of 2 channels,ES-
463.0 > 219.0
1.012e+005



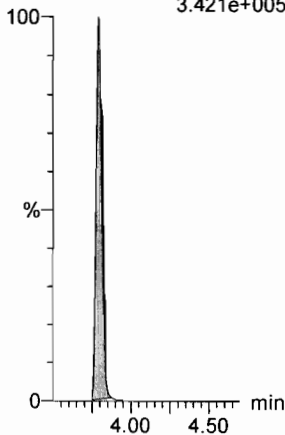
13C2-6:2 FTS

F24:MRM of 1 channel,ES-
429.1 > 408.9
9.943e+004



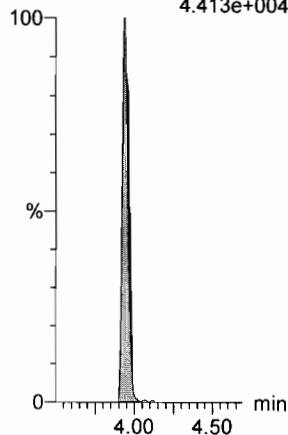
13C4-PFHpa

F16:MRM of 1 channel,ES-
367.2 > 321.8
3.421e+005



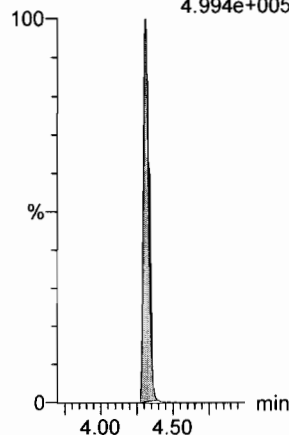
18O2-PFHxS

F19:MRM of 1 channel,ES-
403.0 > 102.6
4.413e+004



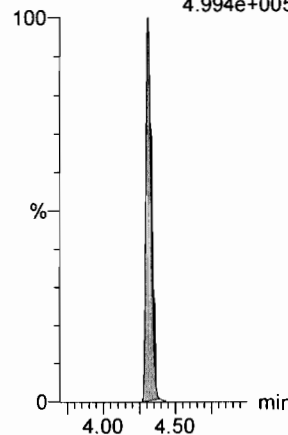
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
4.994e+005



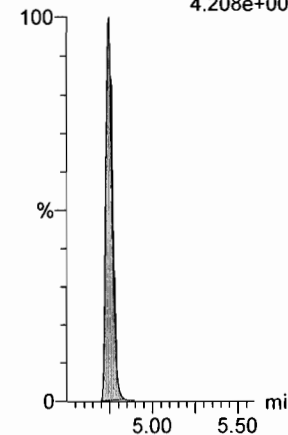
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
4.994e+005



13C5-PFNA

F27:MRM of 1 channel,ES-
468.2 > 422.9
4.208e+005



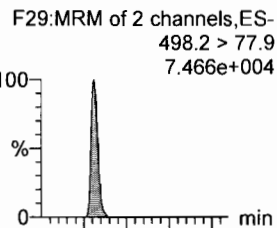
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-33_82fts.qld

Last Altered: Wednesday, May 02, 2018 13:10:06 Pacific Daylight Time

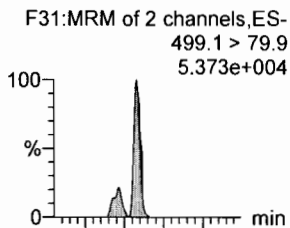
Printed: Wednesday, May 02, 2018 13:31:55 Pacific Daylight Time

Name: 180419M2_33, Date: 20-Apr-2018, Time: 01:57:13, ID: ST180419M2-11 PFC CS3 18D1707, Description: PFC CS3 18D1707

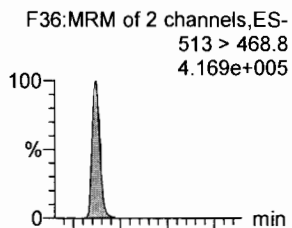
PFOSA



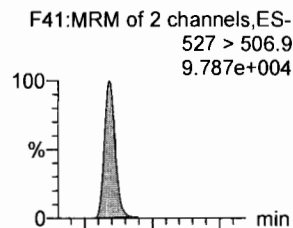
L-PFOS



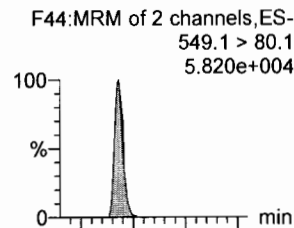
PFDA



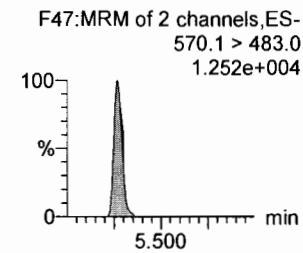
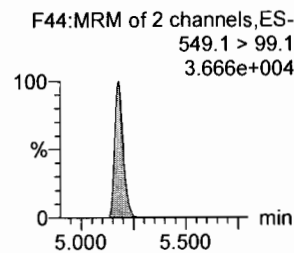
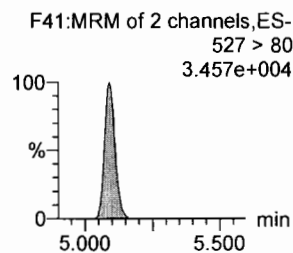
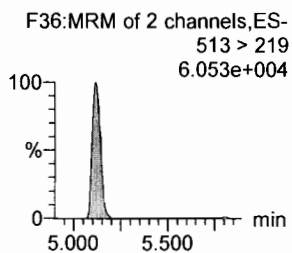
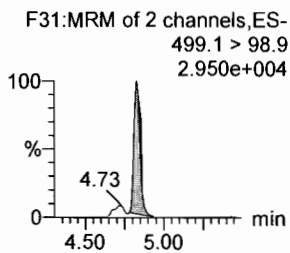
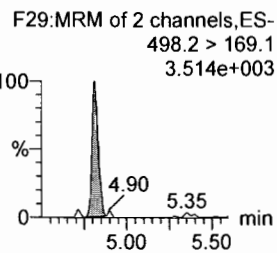
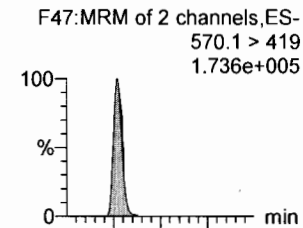
8:2 FTS



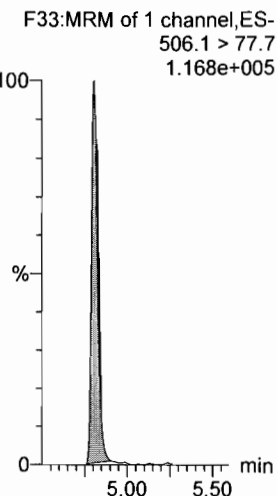
PFNS



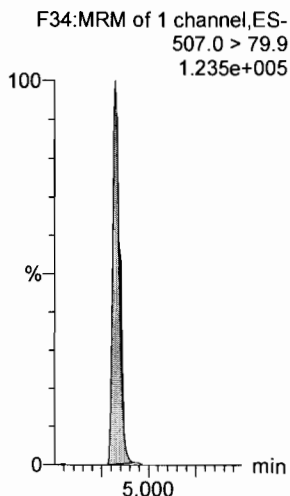
N-MeFOSAA



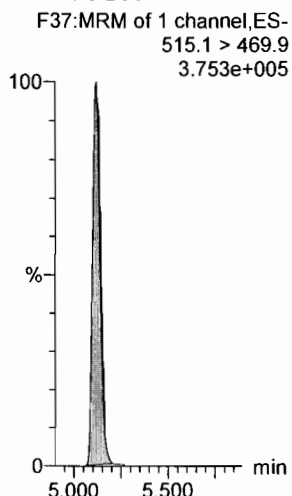
13C8-PFOSA



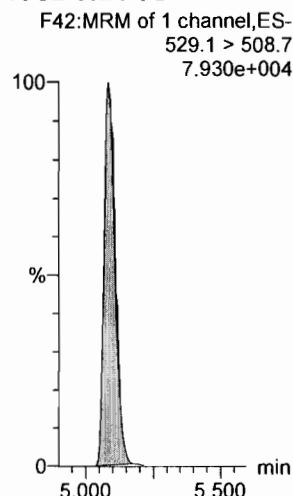
13C8-PFOS



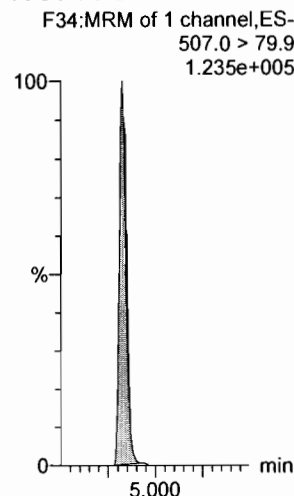
13C2-PFDA



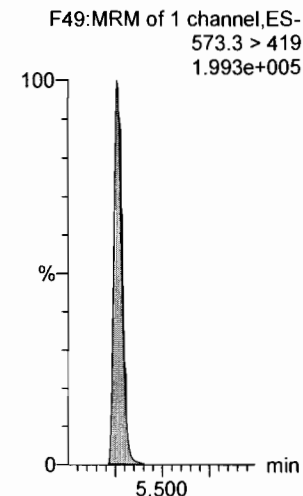
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

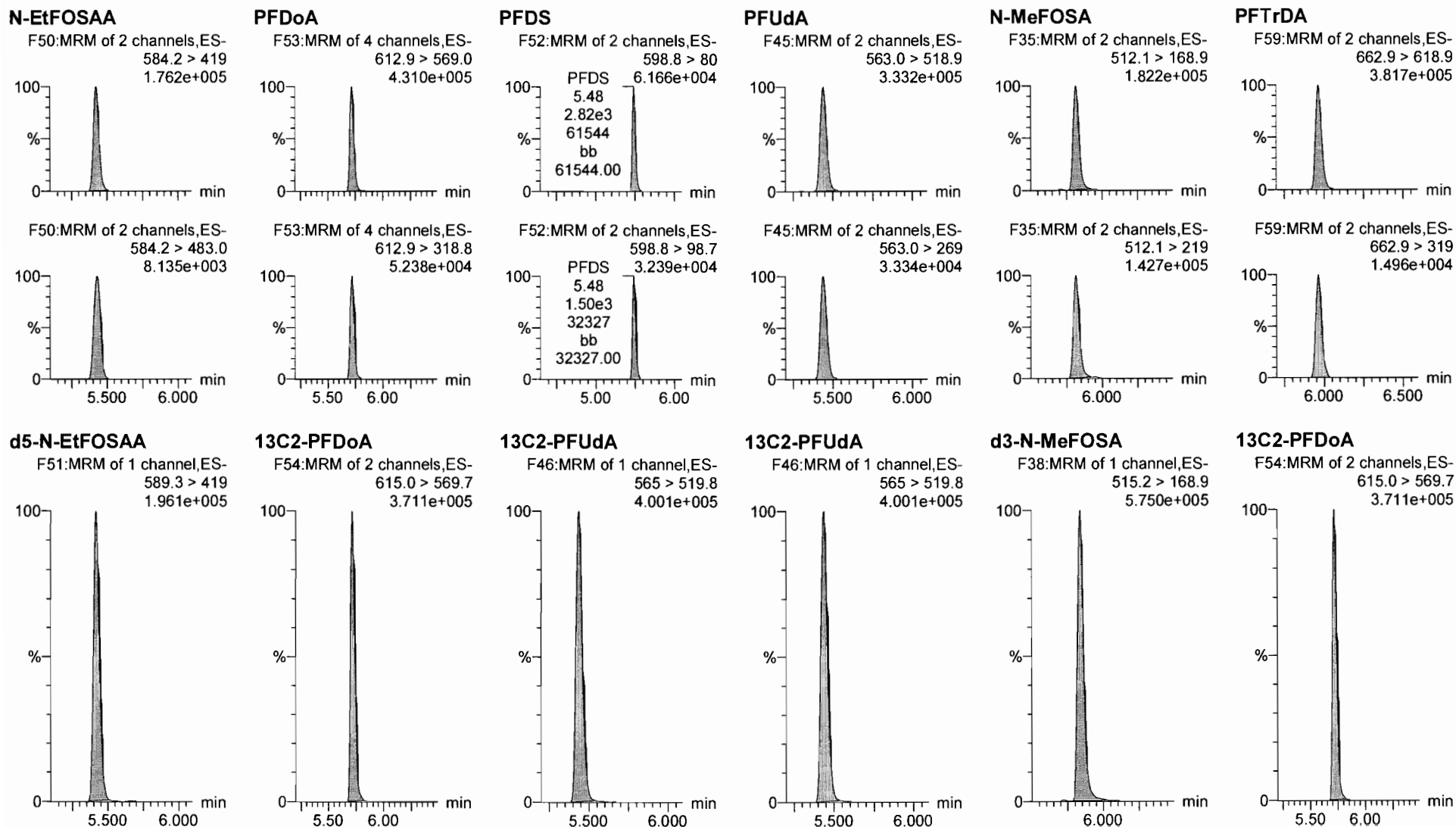


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-33_82fts.qld

Last Altered: Wednesday, May 02, 2018 13:10:06 Pacific Daylight Time

Printed: Wednesday, May 02, 2018 13:31:55 Pacific Daylight Time

Name: 180419M2_33, Date: 20-Apr-2018, Time: 01:57:13, ID: ST180419M2-11 PFC CS3 18D1707, Description: PFC CS3 18D1707

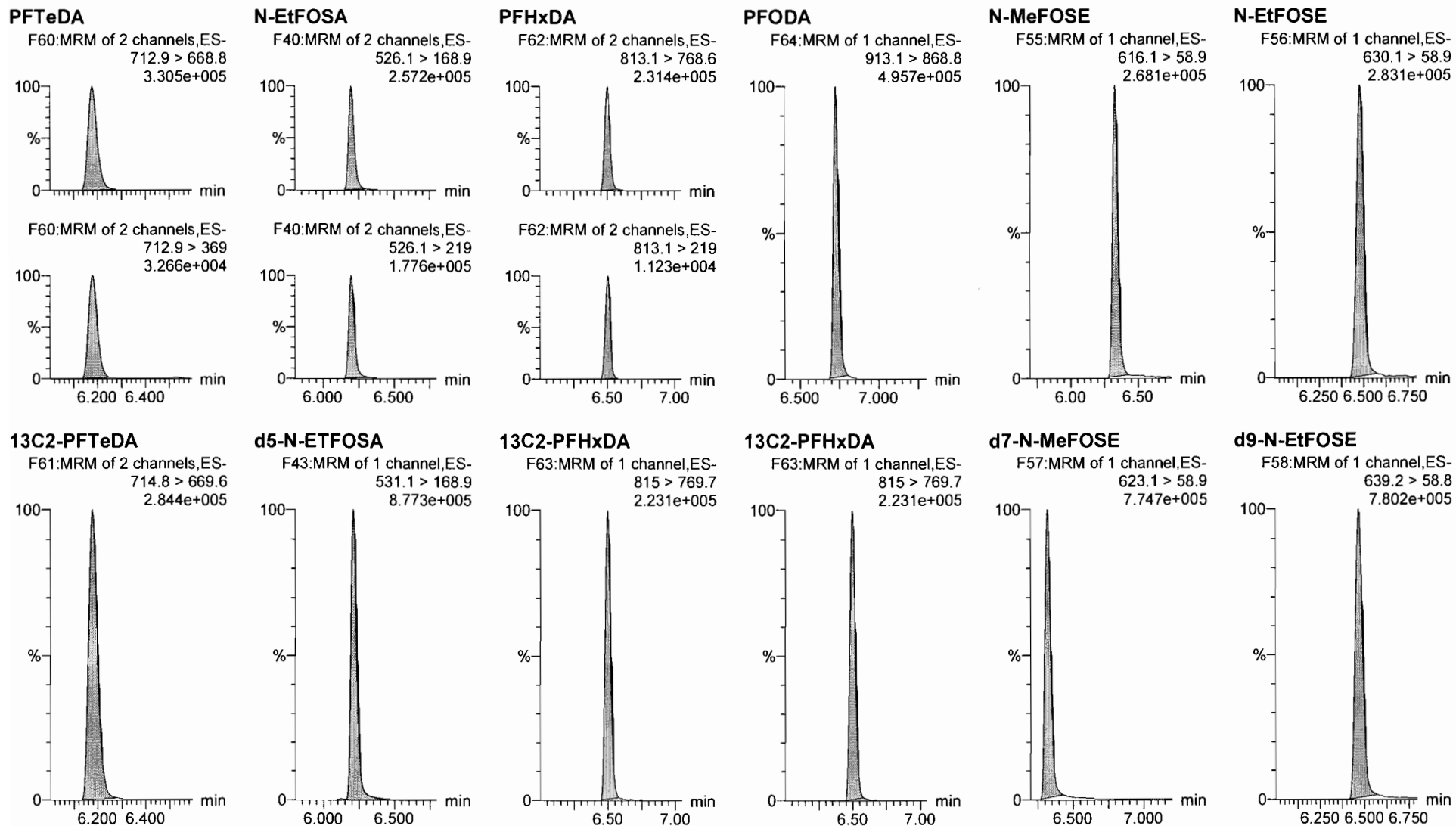


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-33_82fts.qld

Last Altered: Wednesday, May 02, 2018 13:10:06 Pacific Daylight Time

Printed: Wednesday, May 02, 2018 13:31:55 Pacific Daylight Time

Name: 180419M2_33, Date: 20-Apr-2018, Time: 01:57:13, ID: ST180419M2-11 PFC CS3 18D1707, Description: PFC CS3 18D1707



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-33_82fts.qld

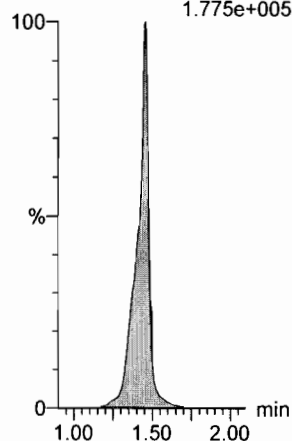
Last Altered: Wednesday, May 02, 2018 13:10:06 Pacific Daylight Time

Printed: Wednesday, May 02, 2018 13:31:55 Pacific Daylight Time

Name: 180419M2_33, Date: 20-Apr-2018, Time: 01:57:13, ID: ST180419M2-11 PFC CS3 18D1707, Description: PFC CS3 18D1707

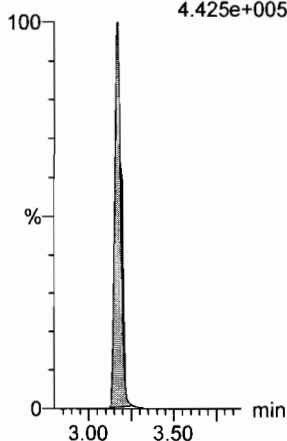
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.775e+005



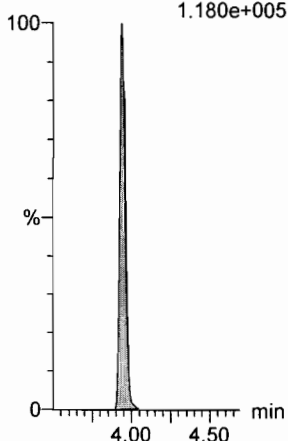
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.425e+005



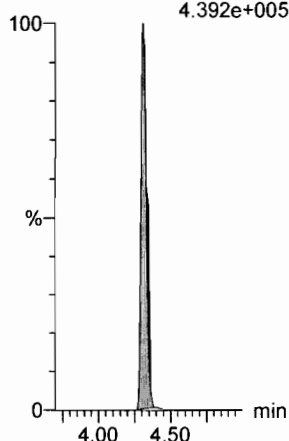
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
1.180e+005



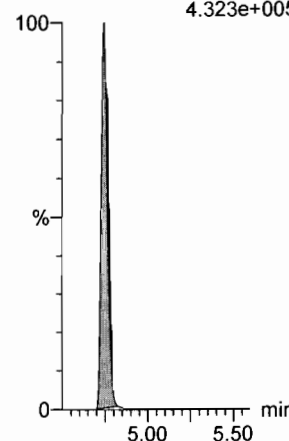
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
4.392e+005



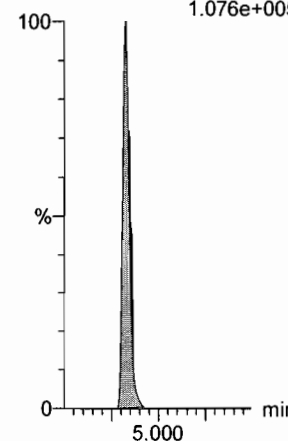
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
4.323e+005



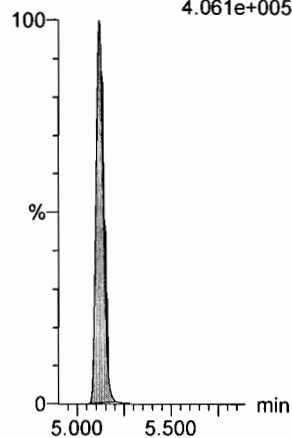
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
1.076e+005



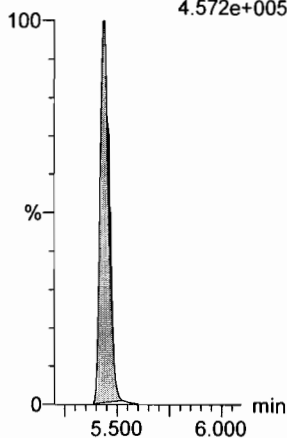
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
4.061e+005



13C7-PFUDa

F48:MRM of 1 channel,ES-
570.1 > 524.8
4.572e+005



INITIAL CALIBRATION

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time
 Printed: Thursday, April 26, 2018 15:24:54 Pacific Daylight Time

high pt
 4:2PTS = 100
 6:2PTS
 MeFDSAA = 50
 8:2PTS = 50

low pt
 PPHXS = 0.5
 PPHPS
 0:2PTS

Method: Z:\Projects\PFAS.pro\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45
 Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Compound name: PFBA

Correlation coefficient: $r = 0.999940$, $r^2 = 0.999880$

Calibration curve: $1.07336 * x + -0.00432934$

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

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 4/26/18

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	1.46	203.048	11719.135	0.217	0.2	-17.7	NO	1.000	NO	MM
2	2 180419M2_3	Standard	0.500	1.45	469.268	11998.167	0.489	0.5	-8.1	NO	1.000	NO	bb
3	3 180419M2_4	Standard	1.000	1.45	1089.805	11763.299	1.158	1.1	8.3	NO	1.000	NO	bb
4	4 180419M2_5	Standard	2.000	1.44	2211.078	11687.302	2.365	2.2	10.4	NO	1.000	NO	bb
5	5 180419M2_6	Standard	5.000	1.44	5378.446	12127.455	5.544	5.2	3.4	NO	1.000	NO	MM
6	6 180419M2_7	Standard	10.000	1.46	10657.105	12479.901	10.674	9.9	-0.5	NO	1.000	NO	MM
7	7 180419M2_8	Standard	50.000	1.46	55054.984	12597.507	54.629	50.9	1.8	NO	1.000	NO	MM
8	8 180419M2_9	Standard	100.000	1.46	108192.398	12377.495	109.263	101.8	1.8	NO	1.000	NO	MM
9	9 180419M2_10	Standard	250.000	1.46	270183.906	12674.674	266.460	248.3	-0.7	NO	1.000	NO	MM
10	10 180419M2_11	Standard	500.000	1.46	513447.969	11989.458	535.312	498.7	-0.3	NO	1.000	NO	MM

Compound name: PFPeA

Correlation coefficient: $r = 0.999930$, $r^2 = 0.999860$

Calibration curve: $0.960383 * x + 0.0646068$

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	2.40	315.054	14604.774	0.270	0.2	-14.6	NO	1.000	NO	bb
2	2 180419M2_3	Standard	0.500	2.40	616.611	14415.219	0.535	0.5	-2.1	NO	1.000	NO	bb
3	3 180419M2_4	Standard	1.000	2.40	1293.128	15078.854	1.072	1.0	4.9	NO	1.000	NO	bb
4	4 180419M2_5	Standard	2.000	2.40	2439.382	14377.068	2.121	2.1	7.1	NO	1.000	NO	bb
5	5 180419M2_6	Standard	5.000	2.40	6035.630	14493.835	5.205	5.4	7.1	NO	1.000	NO	bb
6	6 180419M2_7	Standard	10.000	2.40	11663.210	15185.527	9.601	9.9	-0.7	NO	1.000	NO	bb
7	7 180419M2_8	Standard	50.000	2.41	58041.844	15378.209	47.179	49.1	-1.9	NO	1.000	NO	bb
8	8 180419M2_9	Standard	100.000	2.40	114612.125	14754.558	97.099	101.0	1.0	NO	1.000	NO	bb
9	9 180419M2_10	Standard	250.000	2.40	280992.844	14815.039	237.084	246.8	-1.3	NO	1.000	NO	bb

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 4/26/18

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:54 Pacific Daylight Time

Compound name: PFPeA

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180419M2_11	Standard	500.000	2.40	525236.625	13597.785	482.833	502.7	0.5	NO	1.000	NO	bb

Compound name: PFBS

Coefficient of Determination: R² = 0.999569

Calibration curve: -0.000311062 * x² + 1.81818 * x + 0.0326953

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	2.67	77.113	2176.469	0.443	0.2	-9.8	NO	1.000	NO	bb
2	2 180419M2_3	Standard	0.500	2.67	149.315	2195.226	0.850	0.4	-10.1	NO	1.000	NO	bb
3	3 180419M2_4	Standard	1.000	2.67	367.195	2294.353	2.001	1.1	8.3	NO	1.000	NO	bb
4	4 180419M2_5	Standard	2.000	2.67	734.257	2335.288	3.930	2.1	7.2	NO	1.000	NO	bb
5	5 180419M2_6	Standard	5.000	2.67	1783.918	2218.385	10.052	5.5	10.3	NO	1.000	NO	bb
6	6 180419M2_7	Standard	10.000	2.67	3197.566	2332.936	17.133	9.4	-5.8	NO	1.000	NO	bb
7	7 180419M2_8	Standard	50.000	2.67	16757.359	2268.529	92.336	51.2	2.4	NO	1.000	NO	bb
8	8 180419M2_9	Standard	100.000	2.67	30187.438	2196.250	171.812	96.1	-3.9	NO	1.000	NO	bb
9	9 180419M2_10	Standard	250.000	2.67	75701.375	2141.036	441.967	254.1	1.6	NO	1.000	NO	bb
10	10 180419M2_11	Standard	500.000	2.67	134151.531	2022.495	829.122	498.5	-0.3	NO	1.000	NO	bb

Compound name: 4:2 FTS

Coefficient of Determination: R² = 0.999501

Calibration curve: -0.000415586 * x² + 2.02035 * x + -0.0548789

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	3.08	74.280	2176.469	0.427	0.2	-4.7	NO	1.000	NO	MM
2	2 180419M2_3	Standard	0.500	3.09	147.329	2195.226	0.839	0.4	-11.5	NO	1.000	NO	bb
3	3 180419M2_4	Standard	1.000	3.08	406.878	2294.353	2.217	1.1	12.5	NO	1.000	NO	bb
4	4 180419M2_5	Standard	2.000	3.08	727.623	2335.288	3.895	2.0	-2.2	NO	1.000	NO	bb
5	5 180419M2_6	Standard	5.000	3.08	1946.984	2218.385	10.971	5.5	9.3	NO	1.000	NO	bb
6	6 180419M2_7	Standard	10.000	3.08	3651.049	2332.936	19.563	9.7	-2.7	NO	1.000	NO	bb
7	7 180419M2_8	Standard	50.000	3.08	17982.000	2268.529	99.084	49.6	-0.8	NO	1.000	NO	bb

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

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Compound name: 4:2 FTS

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8 180419M2_9	Standard	100.000	3.08	34832.797	2196.250	198.252	100.2	0.2	NO	1.000	NO	bb
9	9 180419M2_10	Standard	250.000	3.08	82135.500	2141.036	479.531	250.3	0.1	NO	1.000	NO	bbX
10	10 180419M2_11	Standard	500.000	3.08	137530.297	2022.495	850.004	465.3	-6.9	NO	1.000	NO	bbX

Compound name: PFHxA

Coefficient of Determination: R² = 0.999730

Calibration curve: -0.000254366 * x² + 1.54258 * x + 0.0816022

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	3.18	435.012	4805.618	0.453	0.2	-3.8	NO	1.000	NO	bb
2	2 180419M2_3	Standard	0.500	3.17	831.735	4857.035	0.856	0.5	0.4	NO	1.000	NO	bb
3	3 180419M2_4	Standard	1.000	3.17	1697.607	4703.407	1.805	1.1	11.7	NO	1.000	NO	bb
4	4 180419M2_5	Standard	2.000	3.17	3422.924	5025.505	3.406	2.2	7.8	NO	1.000	NO	bb
5	5 180419M2_6	Standard	5.000	3.17	8176.220	4949.125	8.260	5.3	6.1	NO	1.000	NO	bb
6	6 180419M2_7	Standard	10.000	3.17	16164.732	5358.469	15.083	9.7	-2.6	NO	1.000	NO	bb
7	7 180419M2_8	Standard	50.000	3.17	79781.781	5164.193	77.245	50.4	0.9	NO	1.000	NO	bb
8	8 180419M2_9	Standard	100.000	3.17	152379.766	4910.378	155.161	102.3	2.3	NO	1.000	NO	bb
9	9 180419M2_10	Standard	250.000	3.17	373763.438	5158.684	362.266	244.7	-2.1	NO	1.000	NO	bb
10	10 180419M2_11	Standard	500.000	3.17	672040.563	4727.216	710.821	502.4	0.5	NO	1.000	NO	bb

Compound name: PFPeS

Coefficient of Determination: R² = 0.999647

Calibration curve: -0.000372596 * x² + 1.49222 * x + 0.0192946

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	3.37	62.215	2176.469	0.357	0.2	-9.4	NO	1.000	NO	bb
2	2 180419M2_3	Standard	0.500	3.37	136.741	2195.226	0.779	0.5	1.8	NO	1.000	NO	bb
3	3 180419M2_4	Standard	1.000	3.37	319.091	2294.353	1.738	1.2	15.2	NO	1.000	NO	bb
4	4 180419M2_5	Standard	2.000	3.37	539.750	2335.288	2.889	1.9	-3.8	NO	1.000	NO	bb
5	5 180419M2_6	Standard	5.000	3.37	1456.946	2218.385	8.209	5.5	9.9	NO	1.000	NO	bb

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Compound name: PFPeS

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 180419M2_7	Standard	10.000	3.37	2629.225	2332.936	14.088	9.4	-5.5	NO	1.000	NO	bb
7	7 180419M2_8	Standard	50.000	3.37	12826.039	2268.529	70.674	47.9	-4.2	NO	1.000	NO	bb
8	8 180419M2_9	Standard	100.000	3.37	25477.033	2196.250	145.003	99.6	-0.4	NO	1.000	NO	bb
9	9 180419M2_10	Standard	250.000	3.37	60978.023	2141.036	356.008	254.8	1.9	NO	1.000	NO	bb
10	10 180419M2_11	Standard	500.000	3.37	105216.109	2022.495	650.287	497.6	-0.5	NO	1.000	NO	bb

Compound name: PFHpA

Correlation coefficient: $r = 0.999898$, $r^2 = 0.999795$

Calibration curve: $1.1425 * x + 0.0733779$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	3.80	282.087	12429.589	0.284	0.2	-26.4	NO	1.000	NO	bb
2	2 180419M2_3	Standard	0.500	3.80	721.852	13017.869	0.693	0.5	8.5	NO	1.000	NO	bb
3	3 180419M2_4	Standard	1.000	3.80	1232.631	13726.897	1.122	0.9	-8.2	NO	1.000	NO	bb
4	4 180419M2_5	Standard	2.000	3.80	2796.885	13297.264	2.629	2.2	11.9	NO	1.000	NO	bb
5	5 180419M2_6	Standard	5.000	3.80	6795.454	12759.984	6.657	5.8	15.2	NO	1.000	NO	bb
6	6 180419M2_7	Standard	10.000	3.80	12141.862	13226.234	11.475	10.0	-0.2	NO	1.000	NO	bb
7	7 180419M2_8	Standard	50.000	3.80	61596.762	13575.852	56.715	49.6	-0.8	NO	1.000	NO	bb
8	8 180419M2_9	Standard	100.000	3.80	115977.359	12703.016	114.124	99.8	-0.2	NO	1.000	NO	bb
9	9 180419M2_10	Standard	250.000	3.80	296590.281	12916.351	287.030	251.2	0.5	NO	1.000	NO	bb
10	10 180419M2_11	Standard	500.000	3.80	548285.563	12030.620	569.677	498.6	-0.3	NO	1.000	NO	bb

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Compound name: L-PFHxS

Correlation coefficient: $r = 0.998539$, $r^2 = 0.997080$

Calibration curve: $1.69908 * x + -0.000532253$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	3.93	23.984	1681.955	0.178	0.1	-57.9	YES	0.997	NO	MMX
2	2 180419M2_3	Standard	0.500	3.94	123.969	1742.690	0.889	0.5	4.7	NO	0.997	NO	MM
3	3 180419M2_4	Standard	1.000	3.95	269.342	1792.718	1.878	1.1	10.6	NO	0.997	NO	MM
4	4 180419M2_5	Standard	2.000	3.95	479.130	1769.493	3.385	2.0	-0.4	NO	0.997	NO	MM
5	5 180419M2_6	Standard	5.000	3.95	1164.261	1834.365	7.934	4.7	-6.6	NO	0.997	NO	MM
6	6 180419M2_7	Standard	10.000	3.94	2612.784	2009.201	16.255	9.6	-4.3	NO	0.997	NO	MM
7	7 180419M2_8	Standard	50.000	3.95	12735.452	1921.437	82.851	48.8	-2.5	NO	0.997	NO	MM
8	8 180419M2_9	Standard	100.000	3.94	25325.945	1812.605	174.652	102.8	2.8	NO	0.997	NO	MM
9	9 180419M2_10	Standard	250.000	3.94	58075.105	1862.277	389.812	229.4	-8.2	NO	0.997	NO	MM
10	10 180419M2_11	Standard	500.000	3.94	108207.344	1531.907	882.946	519.7	3.9	NO	0.997	NO	MM

Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.999211$

Calibration curve: $-0.00311747 * x^2 + 1.09401 * x + -0.0159478$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	4.27	80.992	4315.106	0.235	0.2	-8.3	NO	0.999	NO	bb
2	2 180419M2_3	Standard	0.500	4.26	179.427	4356.907	0.515	0.5	-2.8	NO	0.999	NO	bb
3	3 180419M2_4	Standard	1.000	4.26	444.091	4799.235	1.157	1.1	7.5	NO	0.999	NO	bb
4	4 180419M2_5	Standard	2.000	4.26	868.824	4560.227	2.382	2.2	10.3	NO	0.999	NO	bb
5	5 180419M2_6	Standard	5.000	4.26	2206.245	5219.638	5.284	4.9	-1.7	NO	0.999	NO	bb
6	6 180419M2_7	Standard	10.000	4.26	3948.446	4955.750	9.959	9.4	-6.3	NO	0.999	NO	bb
7	7 180419M2_8	Standard	50.000	4.26	21129.570	5534.565	47.722	51.1	2.1	NO	0.999	NO	bb
8	8 180419M2_9	Standard	100.000	4.26	37192.383	5971.078	77.859	99.3	-0.7	NO	0.999	NO	bb
9	9 180419M2_10	Standard	250.000	4.26	88503.492	8468.635	130.634			NO	0.999	NO	bbXI
10	10 180419M2_11	Standard	500.000	4.26	165596.406	11512.192	179.805			NO	0.999	NO	bdXI

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Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999436$

Calibration curve: $6.27995e-005 * x^2 + 0.916228 * x + 0.176872$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	4.32	531.841	17925.389	0.371	0.2	-15.3	NO	0.999	NO	bb
2	2 180419M2_3	Standard	0.500	4.32	835.791	18866.541	0.554	0.4	-17.7	NO	0.999	NO	MM
3	3 180419M2_4	Standard	1.000	4.32	1778.743	18709.627	1.188	1.1	10.4	NO	0.999	NO	bb
4	4 180419M2_5	Standard	2.000	4.32	3318.546	18915.270	2.193	2.2	10.0	NO	0.999	NO	MM
5	5 180419M2_6	Standard	5.000	4.32	7893.549	19480.078	5.065	5.3	6.7	NO	0.999	NO	MM
6	6 180419M2_7	Standard	10.000	4.32	15041.205	19127.371	9.830	10.5	5.3	NO	0.999	NO	MM
7	7 180419M2_8	Standard	50.000	4.32	74519.984	20374.080	45.720	49.5	-0.9	NO	0.999	NO	MM
8	8 180419M2_9	Standard	100.000	4.32	149144.313	19381.912	96.188	104.0	4.0	NO	0.999	NO	MM
9	9 180419M2_10	Standard	250.000	4.31	338436.813	18716.258	226.031	242.5	-3.0	NO	0.999	NO	MM
10	10 180419M2_11	Standard	500.000	4.31	651216.375	17071.447	476.832	502.9	0.6	NO	0.999	NO	MM

Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999610$

Calibration curve: $8.18414e-006 * x^2 + 0.188691 * x + 0.0131736$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	4.43	40.649	17925.389	0.028	0.1	-67.8	YES	1.000	NO	MMX
2	2 180419M2_3	Standard	0.500	4.43	125.484	18866.541	0.083	0.4	-25.8	NO	1.000	NO	bb
3	3 180419M2_4	Standard	1.000	4.43	297.186	18709.627	0.199	1.0	-1.8	NO	1.000	NO	bb
4	4 180419M2_5	Standard	2.000	4.42	687.767	18915.270	0.455	2.3	16.9	NO	1.000	NO	bb
5	5 180419M2_6	Standard	5.000	4.43	1535.386	19480.078	0.985	5.2	3.0	NO	1.000	NO	bb
6	6 180419M2_7	Standard	10.000	4.42	3116.708	19127.371	2.037	10.7	7.2	NO	1.000	NO	bb
7	7 180419M2_8	Standard	50.000	4.42	15410.177	20374.080	9.455	49.9	-0.1	NO	1.000	NO	bb
8	8 180419M2_9	Standard	100.000	4.42	30129.326	19381.912	19.431	102.5	2.5	NO	1.000	NO	bb
9	9 180419M2_10	Standard	250.000	4.42	69743.938	18716.258	46.580	244.2	-2.3	NO	1.000	NO	bb
10	10 180419M2_11	Standard	500.000	4.42	132294.313	17071.447	96.868	502.4	0.5	NO	1.000	NO	bb

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Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999142$

Calibration curve: $2.75617e-005 * x^2 + 1.10441 * x + 0.0588505$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	4.75	366.992	16986.094	0.270	0.2	-23.5	NO	0.999	NO	bb
2	2 180419M2_3	Standard	0.500	4.75	905.421	16764.455	0.675	0.6	11.6	NO	0.999	NO	bb
3	3 180419M2_4	Standard	1.000	4.75	1703.261	16102.121	1.322	1.1	14.4	NO	0.999	NO	bb
4	4 180419M2_5	Standard	2.000	4.75	3228.284	16885.660	2.390	2.1	5.5	NO	0.999	NO	bb
5	5 180419M2_6	Standard	5.000	4.75	8290.283	18101.117	5.725	5.1	2.6	NO	0.999	NO	bb
6	6 180419M2_7	Standard	10.000	4.75	16076.634	16276.976	12.346	11.1	11.2	NO	0.999	NO	bb
7	7 180419M2_8	Standard	50.000	4.75	78738.859	18306.568	53.764	48.6	-2.9	NO	0.999	NO	bb
8	8 180419M2_9	Standard	100.000	4.75	152311.578	16361.144	116.367	105.0	5.0	NO	0.999	NO	bb
9	9 180419M2_10	Standard	250.000	4.75	366068.313	17041.447	268.513	241.6	-3.4	NO	0.999	NO	bb
10	10 180419M2_11	Standard	500.000	4.75	681873.938	15143.333	562.850	503.3	0.7	NO	0.999	NO	bb

Compound name: PFOSA

Correlation coefficient: $r = 0.999571$, $r^2 = 0.999141$

Calibration curve: $0.867515 * x + 0.0562284$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	4.81	72.637	4002.687	0.227	0.2	-21.3	NO	0.999	NO	bb
2	2 180419M2_3	Standard	0.500	4.82	138.101	4395.628	0.393	0.4	-22.4	NO	0.999	NO	bb
3	3 180419M2_4	Standard	1.000	4.82	373.846	4278.032	1.092	1.2	19.4	NO	0.999	NO	bb
4	4 180419M2_5	Standard	2.000	4.81	695.113	4208.922	2.064	2.3	15.7	NO	0.999	NO	bb
5	5 180419M2_6	Standard	5.000	4.81	1739.463	4263.546	5.100	5.8	16.3	NO	0.999	NO	bb
6	6 180419M2_7	Standard	10.000	4.81	3178.393	4736.376	8.388	9.6	-4.0	NO	0.999	NO	bb
7	7 180419M2_8	Standard	50.000	4.81	15461.121	4410.727	43.817	50.4	0.9	NO	0.999	NO	bb
8	8 180419M2_9	Standard	100.000	4.81	30534.578	4704.554	81.130	93.5	-6.5	NO	0.999	NO	bb
9	9 180419M2_10	Standard	250.000	4.81	74263.047	4207.775	220.613	254.2	1.7	NO	0.999	NO	bb
10	10 180419M2_11	Standard	500.000	4.81	135814.797	3904.811	434.768	501.1	0.2	NO	0.999	NO	bb

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Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.999615$

Calibration curve: $1.45277e-005 * x^2 + 0.921701 * x + -0.0387386$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	4.84	80.435	4187.292	0.240	0.3	21.0	NO	1.000	NO	MM
2	2 180419M2_3	Standard	0.500	4.83	161.603	4538.197	0.445	0.5	5.0	NO	1.000	NO	MM
3	3 180419M2_4	Standard	1.000	4.83	278.049	4447.347	0.782	0.9	-11.0	NO	1.000	NO	MM
4	4 180419M2_5	Standard	2.000	4.83	624.576	4254.917	1.835	2.0	1.6	NO	1.000	NO	MM
5	5 180419M2_6	Standard	5.000	4.83	1458.120	4495.931	4.054	4.4	-11.2	NO	1.000	NO	MM
6	6 180419M2_7	Standard	10.000	4.83	3071.021	4293.376	8.941	9.7	-2.6	NO	1.000	NO	MM
7	7 180419M2_8	Standard	50.000	4.83	15765.263	4526.113	43.540	47.2	-5.5	NO	1.000	NO	MM
8	8 180419M2_9	Standard	100.000	4.83	29974.445	4007.120	93.504	101.3	1.3	NO	1.000	NO	MM
9	9 180419M2_10	Standard	250.000	4.83	71913.195	3818.712	235.397	254.4	1.8	NO	1.000	NO	MM
10	10 180419M2_11	Standard	500.000	4.83	140131.703	3788.074	462.411	497.8	-0.4	NO	1.000	NO	MM

Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999873$

Calibration curve: $-0.000161288 * x^2 + 1.34824 * x + 0.13519$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	5.12	516.431	15896.962	0.406	0.2	-19.6	NO	1.000	NO	bb
2	2 180419M2_3	Standard	0.500	5.12	1040.753	16405.908	0.793	0.5	-2.4	NO	1.000	NO	bb
3	3 180419M2_4	Standard	1.000	5.12	2053.507	15774.001	1.627	1.1	10.7	NO	1.000	NO	bb
4	4 180419M2_5	Standard	2.000	5.12	3837.777	17071.465	2.810	2.0	-0.8	NO	1.000	NO	bb
5	5 180419M2_6	Standard	5.000	5.12	9473.819	16130.990	7.341	5.3	7.0	NO	1.000	NO	bb
6	6 180419M2_7	Standard	10.000	5.12	18260.430	15903.558	14.352	10.6	5.6	NO	1.000	NO	bb
7	7 180419M2_8	Standard	50.000	5.12	90187.555	16796.791	67.117	50.0	-0.0	NO	1.000	NO	bb
8	8 180419M2_9	Standard	100.000	5.12	167815.344	15664.914	133.910	100.4	0.4	NO	1.000	NO	bb
9	9 180419M2_10	Standard	250.000	5.12	413965.719	15981.654	323.782	247.4	-1.1	NO	1.000	NO	bb
10	10 180419M2_11	Standard	500.000	5.12	800504.500	15746.263	635.472	501.3	0.3	NO	1.000	NO	bb

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Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.996702$

Calibration curve: $-0.0112879 * x^2 + 1.65569 * x + -0.170993$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	5.09	126.593	2602.342	0.608	0.5	88.8	YES	0.997	NO	bbX
2	2 180419M2_3	Standard	0.500	5.10	164.913	3503.758	0.588	0.5	-8.0	NO	0.997	NO	bb
3	3 180419M2_4	Standard	1.000	5.09	542.000	4151.355	1.632	1.1	9.7	NO	0.997	NO	bb
4	4 180419M2_5	Standard	2.000	5.09	913.860	3491.675	3.272	2.1	5.5	NO	0.997	NO	bb
5	5 180419M2_6	Standard	5.000	5.09	2108.870	3825.149	6.891	4.4	-12.1	NO	0.997	NO	bb
6	6 180419M2_7	Standard	10.000	5.09	4584.314	3585.308	15.983	10.5	5.1	NO	0.997	NO	bb
7	7 180419M2_8	Standard	50.000	5.09	20920.627	4813.120	54.332	49.9	-0.2	NO	0.997	NO	bb
8	8 180419M2_9	Standard	100.000	5.09	38975.711	4402.389	110.666			NO	0.997	NO	bbXI
9	9 180419M2_10	Standard	250.000	5.09	80111.742	6334.698	158.081			NO	0.997	NO	bbXI
10	10 180419M2_11	Standard	500.000	5.09	159237.469	7779.948	255.846			NO	0.997	NO	bbXI

Compound name: PFNS

Coefficient of Determination: $R^2 = 0.998586$

Calibration curve: $-0.000162611 * x^2 + 0.733333 * x + 0.0140134$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	5.19	57.725	4187.292	0.172	0.2	-13.6	NO	0.999	NO	MM
2	2 180419M2_3	Standard	0.500	5.18	145.879	4538.197	0.402	0.5	5.8	NO	0.999	NO	bb
3	3 180419M2_4	Standard	1.000	5.18	265.577	4447.347	0.746	1.0	-0.1	NO	0.999	NO	bb
4	4 180419M2_5	Standard	2.000	5.18	558.811	4254.917	1.642	2.2	11.0	NO	0.999	NO	bb
5	5 180419M2_6	Standard	5.000	5.18	1183.775	4495.931	3.291	4.5	-10.5	NO	0.999	NO	bb
6	6 180419M2_7	Standard	10.000	5.18	2913.530	4293.376	8.483	11.6	15.8	NO	0.999	NO	bb
7	7 180419M2_8	Standard	50.000	5.18	11717.735	4526.113	32.361	44.6	-10.9	NO	0.999	NO	bb
8	8 180419M2_9	Standard	100.000	5.18	23082.398	4007.120	72.004	100.4	0.4	NO	0.999	NO	bb
9	9 180419M2_10	Standard	250.000	5.18	54368.379	3818.712	177.967	257.3	2.9	NO	0.999	NO	bb
10	10 180419M2_11	Standard	500.000	5.18	98172.063	3788.074	323.951	496.4	-0.7	NO	0.999	NO	bb

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Compound name: N-MeFOSAA

Coefficient of Determination: $R^2 = 0.997438$
 Calibration curve: $-0.000577705 * x^2 + 1.38797 * x + 0.00477564$
 Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	5.28	216.926	8460.694	0.320	0.2	-9.0	NO	0.997	NO	bb
2	2 180419M2_3	Standard	0.500	5.28	407.189	7937.769	0.641	0.5	-8.3	NO	0.997	NO	bb
3	3 180419M2_4	Standard	1.000	5.28	878.522	7994.576	1.374	1.0	-1.3	NO	0.997	NO	bb
4	4 180419M2_5	Standard	2.000	5.27	2008.425	7141.710	3.515	2.5	26.6	NO	0.997	NO	bb
5	5 180419M2_6	Standard	5.000	5.27	4495.536	8255.619	6.807	4.9	-1.8	NO	0.997	NO	bb
6	6 180419M2_7	Standard	10.000	5.27	9579.730	8718.377	13.735	9.9	-0.7	NO	0.997	NO	bb
7	7 180419M2_8	Standard	50.000	5.27	40062.625	8137.797	61.538	45.2	-9.6	NO	0.997	NO	bb
8	8 180419M2_9	Standard	100.000	5.27	95918.352	8509.737	140.895	106.2	6.2	NO	0.997	NO	bb
9	9 180419M2_10	Standard	250.000	5.27	205312.766	8304.778	309.028	248.3	-0.7	NO	0.997	NO	bb
10	10 180419M2_11	Standard	500.000	5.27	392874.625	7544.210	650.954	638.9	27.8	NO	0.997	NO	bbX

Compound name: N-EtFOSAA

Coefficient of Determination: $R^2 = 0.999426$
 Calibration curve: $4.94099e-005 * x^2 + 0.955467 * x + 0.0391962$
 Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	5.44	167.331	8737.242	0.239	0.2	-16.2	NO	0.999	NO	bb
2	2 180419M2_3	Standard	0.500	5.44	359.079	8897.095	0.504	0.5	-2.6	NO	0.999	NO	bb
3	3 180419M2_4	Standard	1.000	5.43	815.181	9974.720	1.022	1.0	2.8	NO	0.999	NO	bb
4	4 180419M2_5	Standard	2.000	5.43	1662.075	9256.145	2.245	2.3	15.4	NO	0.999	NO	bb
5	5 180419M2_6	Standard	5.000	5.43	4025.582	8755.964	5.747	6.0	19.4	NO	0.999	NO	bb
6	6 180419M2_7	Standard	10.000	5.43	7333.557	9609.100	9.540	9.9	-0.6	NO	0.999	NO	bb
7	7 180419M2_8	Standard	50.000	5.43	35644.379	9673.373	46.060	48.0	-3.9	NO	0.999	NO	bb
8	8 180419M2_9	Standard	100.000	5.43	73170.547	9194.416	99.477	103.5	3.5	NO	0.999	NO	bb
9	9 180419M2_10	Standard	250.000	5.43	165734.625	8716.478	237.674	245.6	-1.8	NO	0.999	NO	bb
10	10 180419M2_11	Standard	500.000	5.43	289407.688	7356.070	491.784	501.7	0.3	NO	0.999	NO	bb

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Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.998951$

Calibration curve: $-2.59326e-005 * x^2 + 0.891719 * x + 0.192974$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	5.45	586.631	20313.357	0.361	0.2	-24.6	NO	0.999	NO	bb
2	2 180419M2_3	Standard	0.500	5.45	1035.582	19940.783	0.649	0.5	2.3	NO	0.999	NO	bb
3	3 180419M2_4	Standard	1.000	5.45	1678.964	19644.498	1.068	1.0	-1.8	NO	0.999	NO	bb
4	4 180419M2_5	Standard	2.000	5.44	3426.746	18544.740	2.310	2.4	18.7	NO	0.999	NO	bb
5	5 180419M2_6	Standard	5.000	5.45	7501.468	21061.561	4.452	4.8	-4.5	NO	0.999	NO	bb
6	6 180419M2_7	Standard	10.000	5.45	15799.785	20154.020	9.799	10.8	7.8	NO	0.999	NO	MM
7	7 180419M2_8	Standard	50.000	5.45	79609.898	20592.268	48.325	54.1	8.1	NO	0.999	NO	bb
8	8 180419M2_9	Standard	100.000	5.45	141086.359	21194.693	83.209	93.3	-6.7	NO	0.999	NO	bb
9	9 180419M2_10	Standard	250.000	5.44	336482.781	18866.865	222.932	251.6	0.7	NO	0.999	NO	MM
10	10 180419M2_11	Standard	500.000	5.44	646343.250	18376.256	439.659	500.1	0.0	NO	0.999	NO	MM

Compound name: PFDS

Coefficient of Determination: $R^2 = 0.998874$

Calibration curve: $9.9788e-006 * x^2 + 0.162877 * x + 0.00191573$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	5.50	60.807	20313.357	0.037	0.2	-12.8	NO	0.999	NO	bb
2	2 180419M2_3	Standard	0.500	5.49	129.249	19940.783	0.081	0.5	-2.9	NO	0.999	NO	bb
3	3 180419M2_4	Standard	1.000	5.49	247.255	19644.498	0.157	1.0	-4.6	NO	0.999	NO	bb
4	4 180419M2_5	Standard	2.000	5.49	534.699	18544.740	0.360	2.2	10.0	NO	0.999	NO	bb
5	5 180419M2_6	Standard	5.000	5.49	1355.281	21061.561	0.804	4.9	-1.5	NO	0.999	NO	bb
6	6 180419M2_7	Standard	10.000	5.49	2847.479	20154.020	1.766	10.8	8.2	NO	0.999	NO	bb
7	7 180419M2_8	Standard	50.000	5.49	14811.109	20592.268	8.991	55.0	10.0	NO	0.999	NO	bb
8	8 180419M2_9	Standard	100.000	5.49	25911.150	21194.693	15.282	93.3	-6.7	NO	0.999	NO	bb
9	9 180419M2_10	Standard	250.000	5.49	62437.023	18866.865	41.367	250.1	0.1	NO	0.999	NO	bb
10	10 180419M2_11	Standard	500.000	5.49	123577.984	18376.256	84.061	500.7	0.1	NO	0.999	NO	bb

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Compound name: PFDaA

Coefficient of Determination: $R^2 = 0.991426$
 Calibration curve: $-0.000256095 * x^2 + 1.14407 * x + -0.0264185$
 Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	5.73	310.061	17396.004	0.223	0.2	-12.9	NO	0.991	NO	bb
2	2 180419M2_3	Standard	0.500	5.72	831.510	18480.041	0.562	0.5	3.0	NO	0.991	NO	bd
3	3 180419M2_4	Standard	1.000	5.72	1841.001	19503.500	1.180	1.1	5.5	NO	0.991	NO	bd
4	4 180419M2_5	Standard	2.000	5.72	3391.463	17835.223	2.377	2.1	5.1	NO	0.991	NO	bb
5	5 180419M2_6	Standard	5.000	5.72	8588.438	19462.625	5.516	4.8	-3.0	NO	0.991	NO	bd
6	6 180419M2_7	Standard	10.000	5.72	16375.942	20383.162	10.043	8.8	-11.8	NO	0.991	NO	bb
7	7 180419M2_8	Standard	50.000	5.72	89193.906	18165.154	61.377	54.3	8.7	NO	0.991	NO	bb
8	8 180419M2_9	Standard	100.000	5.72	175597.938	16976.580	129.294	116.1	16.1	NO	0.991	NO	bb
9	9 180419M2_10	Standard	250.000	5.72	365106.188	19340.533	235.972	216.8	-13.3	NO	0.991	NO	bb
10	10 180419M2_11	Standard	500.000	5.72	727266.438	17447.568	521.037	514.8	3.0	NO	0.991	NO	bb

Compound name: N-MeFOSA

Coefficient of Determination: $R^2 = 0.999722$
 Calibration curve: $-5.84191e-005 * x^2 + 0.961673 * x + 0.0760501$
 Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	1.250	5.82	202.643	26072.516	1.166	1.1	-9.3	NO	1.000	NO	bb
2	2 180419M2_3	Standard	2.500	5.82	457.388	25072.518	2.736	2.8	10.7	NO	1.000	NO	bb
3	3 180419M2_4	Standard	5.000	5.82	889.884	27453.629	4.862	5.0	-0.4	NO	1.000	NO	bb
4	4 180419M2_5	Standard	10.000	5.82	1727.113	26292.814	9.853	10.2	1.7	NO	1.000	NO	bb
5	5 180419M2_6	Standard	25.000	5.82	4375.657	25926.508	25.316	26.3	5.2	NO	1.000	NO	bb
6	6 180419M2_7	Standard	50.000	5.82	8548.992	26063.539	49.201	51.2	2.5	NO	1.000	NO	bb
7	7 180419M2_8	Standard	250.000	5.82	40177.309	26711.736	225.616	238.0	-4.8	NO	1.000	NO	bb
8	8 180419M2_9	Standard	500.000	5.82	79176.531	25584.402	464.208	497.7	-0.5	NO	1.000	NO	bb
9	9 180419M2_10	Standard	1250.000	5.82	188871.469	25091.248	1129.108	1272.4	1.8	NO	1.000	NO	bb
10	10 180419M2_11	Standard	2500.000	5.82	334730.594	24715.094	2031.535	2488.7	-0.5	NO	1.000	NO	bb

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Compound name: PFTrDA

Coefficient of Determination: $R^2 = 0.997929$

Calibration curve: $-0.000399326 * x^2 + 1.2515 * x + 0.00441874$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180419M2_2	Standard	0.250	5.98	465.744	17396.004	0.335	0.3	5.6	NO	0.998	NO	bb
2	180419M2_3	Standard	0.500	5.97	963.295	18480.041	0.652	0.5	3.4	NO	0.998	NO	bb
3	180419M2_4	Standard	1.000	5.98	1870.250	19503.500	1.199	1.0	-4.5	NO	0.998	NO	bb
4	180419M2_5	Standard	2.000	5.97	3820.089	17835.223	2.677	2.1	6.9	NO	0.998	NO	bb
5	180419M2_6	Standard	5.000	5.97	9080.598	19462.625	5.832	4.7	-6.7	NO	0.998	NO	bb
6	180419M2_7	Standard	10.000	5.97	18648.346	20383.162	11.436	9.2	-8.4	NO	0.998	NO	bb
7	180419M2_8	Standard	50.000	5.97	87860.914	18165.154	60.460	49.1	-1.9	NO	0.998	NO	bb
8	180419M2_9	Standard	100.000	5.97	180171.594	16976.580	132.662	109.8	9.8	NO	0.998	NO	bb
9	180419M2_10	Standard	250.000	5.97	424114.594	19340.533	274.110	236.9	-5.2	NO	0.998	NO	bb
10	180419M2_11	Standard	500.000	5.97	740706.750	17447.568	530.666	505.6	1.1	NO	0.998	NO	bb

Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.998227$

Calibration curve: $-0.000502566 * x^2 + 1.26328 * x + 0.0987344$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180419M2_2	Standard	0.250	6.19	499.297	16018.485	0.390	0.2	-7.9	NO	0.998	NO	bb
2	180419M2_3	Standard	0.500	6.18	977.060	15454.848	0.790	0.5	9.5	NO	0.998	NO	bb
3	180419M2_4	Standard	1.000	6.19	1743.365	15864.614	1.374	1.0	1.0	NO	0.998	NO	bb
4	180419M2_5	Standard	2.000	6.19	3659.128	15601.539	2.932	2.2	12.2	NO	0.998	NO	bb
5	180419M2_6	Standard	5.000	6.19	8207.081	15788.800	6.498	5.1	1.5	NO	0.998	NO	bb
6	180419M2_7	Standard	10.000	6.19	15025.648	16378.195	11.468	9.0	-9.7	NO	0.998	NO	bb
7	180419M2_8	Standard	50.000	6.18	71267.789	15667.757	56.859	45.8	-8.5	NO	0.998	NO	bb
8	180419M2_9	Standard	100.000	6.18	134193.250	14175.426	118.333	97.4	-2.6	NO	0.998	NO	bb
9	180419M2_10	Standard	250.000	6.19	380587.094	15848.968	300.167	265.6	6.2	NO	0.998	NO	bb
10	180419M2_11	Standard	500.000	6.18	630186.500	15772.948	499.420	491.3	-1.7	NO	0.998	NO	db

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Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999900$

Calibration curve: $-2.46587e-005 * x^2 + 0.83429 * x + 0.243182$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	1.250	6.21	297.453	37406.629	1.193	1.1	-8.9	NO	1.000	NO	bb
2	2 180419M2_3	Standard	2.500	6.20	566.932	36716.309	2.316	2.5	-0.6	NO	1.000	NO	bb
3	3 180419M2_4	Standard	5.000	6.20	1091.935	38426.754	4.262	4.8	-3.6	NO	1.000	NO	bb
4	4 180419M2_5	Standard	10.000	6.20	2344.434	36785.758	9.560	11.2	11.7	NO	1.000	NO	bb
5	5 180419M2_6	Standard	25.000	6.20	5425.466	37502.195	21.701	25.7	3.0	NO	1.000	NO	bb
6	6 180419M2_7	Standard	50.000	6.20	10611.694	39136.367	40.672	48.5	-2.9	NO	1.000	NO	bb
7	7 180419M2_8	Standard	250.000	6.20	52813.316	37481.070	211.360	255.0	2.0	NO	1.000	NO	bb
8	8 180419M2_9	Standard	500.000	6.20	98544.820	35894.168	411.814	500.7	0.1	NO	1.000	NO	bb
9	9 180419M2_10	Standard	1250.000	6.20	230297.359	34682.379	996.028	1238.9	-0.9	NO	1.000	NO	bb
10	10 180419M2_11	Standard	2500.000	6.20	402730.344	31209.510	1935.614	2505.3	0.2	NO	1.000	NO	bb

Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.998781$

Calibration curve: $-0.000445952 * x^2 + 0.634979 * x + 0.013847$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	6.51	407.925	11314.697	0.180	0.3	4.9	NO	0.999	NO	bb
2	2 180419M2_3	Standard	0.500	6.50	813.841	12240.314	0.332	0.5	0.4	NO	0.999	NO	bb
3	3 180419M2_4	Standard	1.000	6.50	1382.224	11340.354	0.609	0.9	-6.1	NO	0.999	NO	bb
4	4 180419M2_5	Standard	2.000	6.50	3167.863	11692.198	1.355	2.1	5.7	NO	0.999	NO	bb
5	5 180419M2_6	Standard	5.000	6.50	7442.307	11244.134	3.309	5.2	4.2	NO	0.999	NO	bb
6	6 180419M2_7	Standard	10.000	6.50	14190.703	11932.527	5.946	9.4	-6.0	NO	0.999	NO	bb
7	7 180419M2_8	Standard	50.000	6.50	67174.852	11138.841	30.153	49.2	-1.7	NO	0.999	NO	bb
8	8 180419M2_9	Standard	100.000	6.50	129915.086	11560.508	56.189	94.8	-5.2	NO	0.999	NO	bb
9	9 180419M2_10	Standard	250.000	6.50	311063.375	11374.052	136.743	264.4	5.8	NO	0.999	NO	bb
10	10 180419M2_11	Standard	500.000	6.50	503616.000	12360.771	203.715	488.2	-2.4	NO	0.999	NO	bb

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Compound name: PFODA

Coefficient of Determination: $R^2 = 0.999379$

Calibration curve: $-0.000402091 * x^2 + 0.857419 * x + 0.00141622$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	0.250	6.73	491.242	11314.697	0.217	0.3	0.6	NO	0.999	NO	bb
2	2 180419M2_3	Standard	0.500	6.73	997.131	12240.314	0.407	0.5	-5.3	NO	0.999	NO	bb
3	3 180419M2_4	Standard	1.000	6.73	1972.227	11340.354	0.870	1.0	1.3	NO	0.999	NO	bb
4	4 180419M2_5	Standard	2.000	6.73	3928.372	11692.198	1.680	2.0	-2.0	NO	0.999	NO	bb
5	5 180419M2_6	Standard	5.000	6.73	10215.793	11244.134	4.543	5.3	6.2	NO	0.999	NO	bb
6	6 180419M2_7	Standard	10.000	6.73	20467.787	11932.527	8.576	10.0	0.5	NO	0.999	NO	bb
7	7 180419M2_8	Standard	50.000	6.73	95861.719	11138.841	43.030	51.4	2.8	NO	0.999	NO	bb
8	8 180419M2_9	Standard	100.000	6.73	179232.500	11560.508	77.519	94.6	-5.4	NO	0.999	NO	bb
9	9 180419M2_10	Standard	250.000	6.73	439818.156	11374.052	193.343	256.3	2.5	NO	0.999	NO	bb
10	10 180419M2_11	Standard	500.000	6.73	808025.313	12360.771	326.851	497.1	-0.6	NO	0.999	NO	bb

Compound name: N-MeFOSE

Coefficient of Determination: $R^2 = 0.999161$

Calibration curve: $-3.29114e-005 * x^2 + 0.872605 * x + -0.0450007$

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	1.250	6.34	182.979	36338.223	0.755	0.9	-26.6	NO	0.999	NO	MM
2	2 180419M2_3	Standard	2.500	6.33	509.156	36269.895	2.106	2.5	-1.4	NO	0.999	NO	MM
3	3 180419M2_4	Standard	5.000	6.33	1098.555	37928.598	4.345	5.0	0.6	NO	0.999	NO	MM
4	4 180419M2_5	Standard	10.000	6.33	2323.377	36512.434	9.545	11.0	9.9	NO	0.999	NO	MM
5	5 180419M2_6	Standard	25.000	6.33	6097.880	37374.723	24.473	28.1	12.5	NO	0.999	NO	MM
6	6 180419M2_7	Standard	50.000	6.33	12572.916	39583.664	47.644	54.8	9.5	NO	0.999	NO	MM
7	7 180419M2_8	Standard	250.000	6.33	53527.563	37672.777	213.128	246.6	-1.4	NO	0.999	NO	MM
8	8 180419M2_9	Standard	500.000	6.33	97618.047	36159.348	404.949	472.5	-5.5	NO	0.999	NO	MM
9	9 180419M2_10	Standard	1250.000	6.33	239388.375	33659.043	1066.823	1284.9	2.8	NO	0.999	NO	MM
10	10 180419M2_11	Standard	2500.000	6.33	430116.531	32803.305	1966.798	2487.3	-0.5	NO	0.999	NO	bd

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Compound name: N-EtFOSE

Correlation coefficient: $r = 0.999298$, $r^2 = 0.998596$

Calibration curve: $0.973711 * x + 0.208223$

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	1.250	6.48	266.319	33114.000	1.206	1.0	-18.0	NO	0.999	NO	MM
2	2 180419M2_3	Standard	2.500	6.48	614.510	35036.789	2.631	2.5	-0.5	NO	0.999	NO	MM
3	3 180419M2_4	Standard	5.000	6.48	1258.519	35475.059	5.321	5.3	5.0	NO	0.999	NO	MM
4	4 180419M2_5	Standard	10.000	6.48	2403.264	36912.816	9.766	9.8	-1.8	NO	0.999	NO	MM
5	5 180419M2_6	Standard	25.000	6.48	5950.367	33540.895	26.611	27.1	8.5	NO	0.999	NO	MM
6	6 180419M2_7	Standard	50.000	6.48	12425.985	36344.852	51.284	52.5	4.9	NO	0.999	NO	MM
7	7 180419M2_8	Standard	250.000	6.48	63552.016	35581.535	267.914	274.9	10.0	NO	0.999	NO	MM
8	8 180419M2_9	Standard	500.000	6.48	113230.359	37903.047	448.105	460.0	-8.0	NO	0.999	NO	bd
9	9 180419M2_10	Standard	1250.000	6.48	250923.391	31219.580	1205.606	1237.9	-1.0	NO	0.999	NO	MM
10	10 180419M2_11	Standard	2500.000	6.48	528551.813	32273.100	2456.621	2522.7	0.9	NO	0.999	NO	MM

Compound name: 13C3-PFBA

Response Factor: 0.907588

RRF SD: 0.019481, Relative SD: 2.14646

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	1.45	11719.135	13332.181	10.988	12.1	-3.1	NO		NO	MM
2	2 180419M2_3	Standard	12.500	1.45	11998.167	12972.907	11.561	12.7	1.9	NO		NO	MM
3	3 180419M2_4	Standard	12.500	1.45	11763.299	12939.598	11.364	12.5	0.2	NO		NO	MM
4	4 180419M2_5	Standard	12.500	1.45	11687.302	13368.907	10.928	12.0	-3.7	NO		NO	MM
5	5 180419M2_6	Standard	12.500	1.44	12127.455	13012.066	11.650	12.8	2.7	NO		NO	MM
6	6 180419M2_7	Standard	12.500	1.46	12479.901	13934.313	11.195	12.3	-1.3	NO		NO	MM
7	7 180419M2_8	Standard	12.500	1.46	12597.507	13652.025	11.534	12.7	1.7	NO		NO	MM
8	8 180419M2_9	Standard	12.500	1.46	12377.495	13662.340	11.324	12.5	-0.2	NO		NO	MM
9	9 180419M2_10	Standard	12.500	1.46	12674.674	13749.181	11.523	12.7	1.6	NO		NO	MM
10	10 180419M2_11	Standard	12.500	1.46	11989.458	13168.028	11.381	12.5	0.3	NO		NO	MM

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Compound name: 13C3-PFPeA

Response Factor: 0.868491

RRF SD: 0.024378, Relative SD: 2.80694

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	2.40	14604.774	17279.664	10.565	12.2	-2.7	NO		NO	MM
2	2 180419M2_3	Standard	12.500	2.40	14415.219	16833.979	10.704	12.3	-1.4	NO		NO	bb
3	3 180419M2_4	Standard	12.500	2.40	15078.854	16838.666	11.194	12.9	3.1	NO		NO	bb
4	4 180419M2_5	Standard	12.500	2.40	14377.068	17205.590	10.445	12.0	-3.8	NO		NO	bb
5	5 180419M2_6	Standard	12.500	2.40	14493.835	16691.463	10.854	12.5	-0.0	NO		NO	bb
6	6 180419M2_7	Standard	12.500	2.40	15185.527	18028.676	10.529	12.1	-3.0	NO		NO	bb
7	7 180419M2_8	Standard	12.500	2.40	15378.209	17266.203	11.133	12.8	2.6	NO		NO	bb
8	8 180419M2_9	Standard	12.500	2.40	14754.558	16805.721	10.974	12.6	1.1	NO		NO	bb
9	9 180419M2_10	Standard	12.500	2.40	14815.039	16314.442	11.351	13.1	4.6	NO		NO	bb
10	10 180419M2_11	Standard	12.500	2.40	13597.785	15720.507	10.812	12.4	-0.4	NO		NO	bb

Compound name: 13C3-PFBS

Response Factor: 0.131261

RRF SD: 0.00311075, Relative SD: 2.3699

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	2.67	2176.469	17279.664	1.574	12.0	-4.0	NO		NO	MM
2	2 180419M2_3	Standard	12.500	2.67	2195.226	16833.979	1.630	12.4	-0.7	NO		NO	bb
3	3 180419M2_4	Standard	12.500	2.67	2294.353	16838.666	1.703	13.0	3.8	NO		NO	bb
4	4 180419M2_5	Standard	12.500	2.67	2335.288	17205.590	1.697	12.9	3.4	NO		NO	MM
5	5 180419M2_6	Standard	12.500	2.67	2218.385	16691.463	1.661	12.7	1.3	NO		NO	bb
6	6 180419M2_7	Standard	12.500	2.67	2332.936	18028.676	1.618	12.3	-1.4	NO		NO	bb
7	7 180419M2_8	Standard	12.500	2.67	2268.529	17266.203	1.642	12.5	0.1	NO		NO	bb
8	8 180419M2_9	Standard	12.500	2.68	2196.250	16805.721	1.634	12.4	-0.4	NO		NO	bb
9	9 180419M2_10	Standard	12.500	2.67	2141.036	16314.442	1.640	12.5	-0.0	NO		NO	MM
10	10 180419M2_11	Standard	12.500	2.67	2022.495	15720.507	1.608	12.3	-2.0	NO		NO	bb

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Compound name: 13C2-PFHxA

Response Factor: 0.734988

RRF SD: 0.027455, Relative SD: 3.73544

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	5.000	3.17	4805.618	17279.664	3.476	4.7	-5.4	NO		NO	bb
2	2 180419M2_3	Standard	5.000	3.17	4857.035	16833.979	3.607	4.9	-1.9	NO		NO	bb
3	3 180419M2_4	Standard	5.000	3.17	4703.407	16838.666	3.492	4.8	-5.0	NO		NO	bb
4	4 180419M2_5	Standard	5.000	3.17	5025.505	17205.590	3.651	5.0	-0.6	NO		NO	MM
5	5 180419M2_6	Standard	5.000	3.17	4949.125	16691.463	3.706	5.0	0.9	NO		NO	bb
6	6 180419M2_7	Standard	5.000	3.17	5358.469	18028.676	3.715	5.1	1.1	NO		NO	MM
7	7 180419M2_8	Standard	5.000	3.17	5164.193	17266.203	3.739	5.1	1.7	NO		NO	MM
8	8 180419M2_9	Standard	5.000	3.17	4910.378	16805.721	3.652	5.0	-0.6	NO		NO	bb
9	9 180419M2_10	Standard	5.000	3.17	5158.684	16314.442	3.953	5.4	7.6	NO		NO	bb
10	10 180419M2_11	Standard	5.000	3.17	4727.216	15720.507	3.759	5.1	2.3	NO		NO	MM

Compound name: 13C4-PFHpA

Response Factor: 0.767789

RRF SD: 0.0276762, Relative SD: 3.60467

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	3.80	12429.589	17279.664	8.991	11.7	-6.3	NO		NO	bb
2	2 180419M2_3	Standard	12.500	3.80	13017.869	16833.979	9.666	12.6	0.7	NO		NO	bb
3	3 180419M2_4	Standard	12.500	3.80	13726.897	16838.666	10.190	13.3	6.2	NO		NO	bb
4	4 180419M2_5	Standard	12.500	3.80	13297.264	17205.590	9.661	12.6	0.7	NO		NO	bb
5	5 180419M2_6	Standard	12.500	3.80	12759.984	16691.463	9.556	12.4	-0.4	NO		NO	bb
6	6 180419M2_7	Standard	12.500	3.80	13226.234	18028.676	9.170	11.9	-4.5	NO		NO	bb
7	7 180419M2_8	Standard	12.500	3.80	13575.852	17266.203	9.828	12.8	2.4	NO		NO	bb
8	8 180419M2_9	Standard	12.500	3.80	12703.016	16805.721	9.448	12.3	-1.6	NO		NO	bb
9	9 180419M2_10	Standard	12.500	3.80	12916.351	16314.442	9.896	12.9	3.1	NO		NO	bb
10	10 180419M2_11	Standard	12.500	3.80	12030.620	15720.507	9.566	12.5	-0.3	NO		NO	bb

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Compound name: 18O2-PFHxS

Response Factor: 0.456211

RRF SD: 0.0290333, Relative SD: 6.36402

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	3.95	1681.955	3933.389	5.345	11.7	-6.3	NO		NO	bb
2	2 180419M2_3	Standard	12.500	3.95	1742.690	3832.956	5.683	12.5	-0.3	NO		NO	MM
3	3 180419M2_4	Standard	12.500	3.94	1792.718	3595.290	6.233	13.7	9.3	NO		NO	MM
4	4 180419M2_5	Standard	12.500	3.95	1769.493	4111.003	5.380	11.8	-5.7	NO		NO	MM
5	5 180419M2_6	Standard	12.500	3.94	1834.365	3791.299	6.048	13.3	6.1	NO		NO	MM
6	6 180419M2_7	Standard	12.500	3.94	2009.201	4324.718	5.807	12.7	1.8	NO		NO	MM
7	7 180419M2_8	Standard	12.500	3.94	1921.437	4177.611	5.749	12.6	0.8	NO		NO	MM
8	8 180419M2_9	Standard	12.500	3.94	1812.605	4191.284	5.406	11.8	-5.2	NO		NO	MM
9	9 180419M2_10	Standard	12.500	3.94	1862.277	3777.599	6.162	13.5	8.1	NO		NO	MM
10	10 180419M2_11	Standard	12.500	3.94	1531.907	3673.835	5.212	11.4	-8.6	NO		NO	MM

Compound name: 13C2-6:2 FTS

Response Factor: 0.287127

RRF SD: 0.0333385, Relative SD: 11.6111

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	4.26	4315.106	17298.980	3.118	10.9	-13.1	NO		NO	bb
2	2 180419M2_3	Standard	12.500	4.26	4356.907	16602.381	3.280	11.4	-8.6	NO		NO	bb
3	3 180419M2_4	Standard	12.500	4.26	4799.235	16387.928	3.661	12.7	2.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	4.26	4560.227	18268.186	3.120	10.9	-13.1	NO		NO	bb
5	5 180419M2_6	Standard	12.500	4.26	5219.638	17789.414	3.668	12.8	2.2	NO		NO	bb
6	6 180419M2_7	Standard	12.500	4.26	4955.750	17080.137	3.627	12.6	1.1	NO		NO	bb
7	7 180419M2_8	Standard	12.500	4.26	5534.565	17775.623	3.892	13.6	8.4	NO		NO	bb
8	8 180419M2_9	Standard	12.500	4.26	5971.078	17170.570	4.347	15.1	21.1	NO		NO	bb
9	9 180419M2_10	Standard	12.500	4.26	8468.635	16488.479	6.420	22.4	78.9	NO		NO	bbX
10	10 180419M2_11	Standard	12.500	4.26	11512.192	15968.019	9.012	31.4	151.1	NO		NO	bbX

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Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time
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Compound name: 13C2-PFOA

Response Factor: 1.10438

RRF SD: 0.0430446, Relative SD: 3.89764

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	4.32	17925.389	17298.980	12.953	11.7	-6.2	NO		NO	bb
2	2 180419M2_3	Standard	12.500	4.32	18866.541	16602.381	14.205	12.9	2.9	NO		NO	MM
3	3 180419M2_4	Standard	12.500	4.32	18709.627	16387.928	14.271	12.9	3.4	NO		NO	MM
4	4 180419M2_5	Standard	12.500	4.32	18915.270	18268.186	12.943	11.7	-6.2	NO		NO	MM
5	5 180419M2_6	Standard	12.500	4.31	19480.078	17789.414	13.688	12.4	-0.8	NO		NO	MM
6	6 180419M2_7	Standard	12.500	4.31	19127.371	17080.137	13.998	12.7	1.4	NO		NO	MM
7	7 180419M2_8	Standard	12.500	4.32	20374.080	17775.623	14.327	13.0	3.8	NO		NO	MM
8	8 180419M2_9	Standard	12.500	4.31	19381.912	17170.570	14.110	12.8	2.2	NO		NO	MM
9	9 180419M2_10	Standard	12.500	4.31	18716.258	16488.479	14.189	12.8	2.8	NO		NO	MM
10	10 180419M2_11	Standard	12.500	4.31	17071.447	15968.019	13.364	12.1	-3.2	NO		NO	MM

Compound name: 13C5-PFNA

Response Factor: 0.960278

RRF SD: 0.0618802, Relative SD: 6.44399

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	4.75	16986.094	17728.037	11.977	12.5	-0.2	NO		NO	bb
2	2 180419M2_3	Standard	12.500	4.75	16764.455	17047.045	12.293	12.8	2.4	NO		NO	bb
3	3 180419M2_4	Standard	12.500	4.75	16102.121	18421.768	10.926	11.4	-9.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	4.75	16885.660	17412.852	12.122	12.6	1.0	NO		NO	bb
5	5 180419M2_6	Standard	12.500	4.75	18101.117	17074.148	13.252	13.8	10.4	NO		NO	bb
6	6 180419M2_7	Standard	12.500	4.75	16276.976	18585.107	10.948	11.4	-8.8	NO		NO	bb
7	7 180419M2_8	Standard	12.500	4.75	18306.568	17710.240	12.921	13.5	7.6	NO		NO	bb
8	8 180419M2_9	Standard	12.500	4.75	16361.144	18028.305	11.344	11.8	-5.5	NO		NO	bb
9	9 180419M2_10	Standard	12.500	4.75	17041.447	17965.652	11.857	12.3	-1.2	NO		NO	bb
10	10 180419M2_11	Standard	12.500	4.75	15143.333	15270.130	12.396	12.9	3.3	NO		NO	bb

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

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Compound name: 13C8-PFOSA

Response Factor: 0.199465

RRF SD: 0.0176338, Relative SD: 8.84054

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	4.81	4002.687	22892.498	2.186	11.0	-12.3	NO		NO	bd
2	2 180419M2_3	Standard	12.500	4.81	4395.628	22078.832	2.489	12.5	-0.2	NO		NO	bb
3	3 180419M2_4	Standard	12.500	4.81	4278.032	22175.445	2.411	12.1	-3.3	NO		NO	bb
4	4 180419M2_5	Standard	12.500	4.81	4208.922	23270.021	2.261	11.3	-9.3	NO		NO	bb
5	5 180419M2_6	Standard	12.500	4.81	4263.546	23710.139	2.248	11.3	-9.8	NO		NO	bb
6	6 180419M2_7	Standard	12.500	4.81	4736.376	23435.998	2.526	12.7	1.3	NO		NO	bb
7	7 180419M2_8	Standard	12.500	4.81	4410.727	21133.938	2.609	13.1	4.6	NO		NO	bb
8	8 180419M2_9	Standard	12.500	4.81	4704.554	20698.984	2.841	14.2	13.9	NO		NO	bd
9	9 180419M2_10	Standard	12.500	4.81	4207.775	18992.932	2.769	13.9	11.1	NO		NO	bb
10	10 180419M2_11	Standard	12.500	4.81	3904.811	18820.316	2.593	13.0	4.0	NO		NO	bb

Compound name: 13C8-PFOS

Response Factor: 1.0448

RRF SD: 0.0727642, Relative SD: 6.96439

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	4.83	4187.292	4072.372	12.853	12.3	-1.6	NO		NO	MM
2	2 180419M2_3	Standard	12.500	4.83	4538.197	3957.580	14.334	13.7	9.8	NO		NO	MM
3	3 180419M2_4	Standard	12.500	4.83	4447.347	4289.956	12.959	12.4	-0.8	NO		NO	MM
4	4 180419M2_5	Standard	12.500	4.83	4254.917	4156.578	12.796	12.2	-2.0	NO		NO	MM
5	5 180419M2_6	Standard	12.500	4.83	4495.931	4023.109	13.969	13.4	7.0	NO		NO	MM
6	6 180419M2_7	Standard	12.500	4.83	4293.376	4494.018	11.942	11.4	-8.6	NO		NO	MM
7	7 180419M2_8	Standard	12.500	4.83	4526.113	3907.508	14.479	13.9	10.9	NO		NO	MM
8	8 180419M2_9	Standard	12.500	4.83	4007.120	4139.134	12.101	11.6	-7.3	NO		NO	MM
9	9 180419M2_10	Standard	12.500	4.83	3818.712	3900.083	12.239	11.7	-6.3	NO		NO	MM
10	10 180419M2_11	Standard	12.500	4.83	3788.074	3662.371	12.929	12.4	-1.0	NO		NO	MM

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

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Compound name: 13C2-PFDA

Response Factor: 0.902342

RRF SD: 0.0675672, Relative SD: 7.48798

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	5.12	15896.962	19448.986	10.217	11.3	-9.4	NO		NO	bb
2	2 180419M2_3	Standard	12.500	5.12	16405.908	17763.508	11.545	12.8	2.4	NO		NO	bb
3	3 180419M2_4	Standard	12.500	5.12	15774.001	18894.164	10.436	11.6	-7.5	NO		NO	bb
4	4 180419M2_5	Standard	12.500	5.12	17071.465	19078.375	11.185	12.4	-0.8	NO		NO	bb
5	5 180419M2_6	Standard	12.500	5.12	16130.990	17797.682	11.329	12.6	0.4	NO		NO	bb
6	6 180419M2_7	Standard	12.500	5.12	15903.558	19251.119	10.326	11.4	-8.4	NO		NO	bb
7	7 180419M2_8	Standard	12.500	5.12	16796.791	16422.994	12.785	14.2	13.3	NO		NO	bb
8	8 180419M2_9	Standard	12.500	5.12	15664.914	17851.998	10.969	12.2	-2.8	NO		NO	bb
9	9 180419M2_10	Standard	12.500	5.12	15981.654	17082.453	11.694	13.0	3.7	NO		NO	bb
10	10 180419M2_11	Standard	12.500	5.12	15746.263	15993.485	12.307	13.6	9.1	NO		NO	bb

Compound name: 13C2-8:2 FTS

Response Factor: 0.222121

RRF SD: 0.0408133, Relative SD: 18.3744

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	5.10	2602.342	17279.664	1.883	8.5	-32.2	NO		NO	bb
2	2 180419M2_3	Standard	12.500	5.09	3503.758	16833.979	2.602	11.7	-6.3	NO		NO	bb
3	3 180419M2_4	Standard	12.500	5.10	4151.355	16838.666	3.082	13.9	11.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	5.09	3491.675	17205.590	2.537	11.4	-8.6	NO		NO	bb
5	5 180419M2_6	Standard	12.500	5.10	3825.149	16691.463	2.865	12.9	3.2	NO		NO	bb
6	6 180419M2_7	Standard	12.500	5.09	3585.308	18028.676	2.486	11.2	-10.5	NO		NO	bb
7	7 180419M2_8	Standard	12.500	5.09	4813.120	17266.203	3.484	15.7	25.5	NO		NO	bb
8	8 180419M2_9	Standard	12.500	5.09	4402.389	16805.721	3.274	14.7	17.9	NO		NO	bb
9	9 180419M2_10	Standard	12.500	5.09	6334.698	16314.442	4.854	21.9	74.8	NO		NO	bbX
10	10 180419M2_11	Standard	12.500	5.09	7779.948	15720.507	6.186	27.9	122.8	NO		NO	bbX

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

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Compound name: d3-N-MeFOSAA

Response Factor: 0.375101

RRF SD: 0.0361989, Relative SD: 9.65046

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	5.27	8460.694	22892.498	4.620	12.3	-1.5	NO		NO	bb
2	2 180419M2_3	Standard	12.500	5.27	7937.769	22078.832	4.494	12.0	-4.2	NO		NO	bb
3	3 180419M2_4	Standard	12.500	5.27	7994.576	22175.445	4.506	12.0	-3.9	NO		NO	bb
4	4 180419M2_5	Standard	12.500	5.27	7141.710	23270.021	3.836	10.2	-18.2	NO		NO	bb
5	5 180419M2_6	Standard	12.500	5.27	8255.619	23710.139	4.352	11.6	-7.2	NO		NO	bb
6	6 180419M2_7	Standard	12.500	5.27	8718.377	23435.998	4.650	12.4	-0.8	NO		NO	bb
7	7 180419M2_8	Standard	12.500	5.27	8137.797	21133.938	4.813	12.8	2.7	NO		NO	bb
8	8 180419M2_9	Standard	12.500	5.27	8509.737	20698.984	5.139	13.7	9.6	NO		NO	bb
9	9 180419M2_10	Standard	12.500	5.27	8304.778	18992.932	5.466	14.6	16.6	NO		NO	MM
10	10 180419M2_11	Standard	12.500	5.27	7544.210	18820.316	5.011	13.4	6.9	NO		NO	bb

Compound name: d5-N-EtFOSAA

Response Factor: 0.416323

RRF SD: 0.0334187, Relative SD: 8.02711

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	5.43	8737.242	22892.498	4.771	11.5	-8.3	NO		NO	bb
2	2 180419M2_3	Standard	12.500	5.43	8897.095	22078.832	5.037	12.1	-3.2	NO		NO	bb
3	3 180419M2_4	Standard	12.500	5.43	9974.720	22175.445	5.623	13.5	8.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	5.43	9256.145	23270.021	4.972	11.9	-4.5	NO		NO	bb
5	5 180419M2_6	Standard	12.500	5.43	8755.964	23710.139	4.616	11.1	-11.3	NO		NO	bb
6	6 180419M2_7	Standard	12.500	5.43	9609.100	23435.998	5.125	12.3	-1.5	NO		NO	bb
7	7 180419M2_8	Standard	12.500	5.42	9673.373	21133.938	5.721	13.7	9.9	NO		NO	bb
8	8 180419M2_9	Standard	12.500	5.42	9194.416	20698.984	5.552	13.3	6.7	NO		NO	bb
9	9 180419M2_10	Standard	12.500	5.42	8716.478	18992.932	5.737	13.8	10.2	NO		NO	bb
10	10 180419M2_11	Standard	12.500	5.42	7356.070	18820.316	4.886	11.7	-6.1	NO		NO	bb

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

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Compound name: 13C2-PFUdA

Response Factor: 0.918964

RRF SD: 0.0703833, Relative SD: 7.65898

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	5.45	20313.357	22892.498	11.092	12.1	-3.4	NO		NO	bb
2	2 180419M2_3	Standard	12.500	5.45	19940.783	22078.832	11.290	12.3	-1.7	NO		NO	bb
3	3 180419M2_4	Standard	12.500	5.45	19644.498	22175.445	11.073	12.0	-3.6	NO		NO	bb
4	4 180419M2_5	Standard	12.500	5.45	18544.740	23270.021	9.962	10.8	-13.3	NO		NO	bb
5	5 180419M2_6	Standard	12.500	5.45	21061.561	23710.139	11.104	12.1	-3.3	NO		NO	bb
6	6 180419M2_7	Standard	12.500	5.45	20154.020	23435.998	10.749	11.7	-6.4	NO		NO	MM
7	7 180419M2_8	Standard	12.500	5.44	20592.268	21133.938	12.180	13.3	6.0	NO		NO	bb
8	8 180419M2_9	Standard	12.500	5.45	21194.693	20698.984	12.799	13.9	11.4	NO		NO	bb
9	9 180419M2_10	Standard	12.500	5.44	18866.865	18992.932	12.417	13.5	8.1	NO		NO	MM
10	10 180419M2_11	Standard	12.500	5.45	18376.256	18820.316	12.205	13.3	6.3	NO		NO	MM

Compound name: 13C2-PFDoA

Response Factor: 0.85585

RRF SD: 0.0762162, Relative SD: 8.90532

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	5.73	17396.004	22892.498	9.499	11.1	-11.2	NO		NO	bb
2	2 180419M2_3	Standard	12.500	5.72	18480.041	22078.832	10.463	12.2	-2.2	NO		NO	bb
3	3 180419M2_4	Standard	12.500	5.72	19503.500	22175.445	10.994	12.8	2.8	NO		NO	bb
4	4 180419M2_5	Standard	12.500	5.72	17835.223	23270.021	9.581	11.2	-10.4	NO		NO	bb
5	5 180419M2_6	Standard	12.500	5.72	19462.625	23710.139	10.261	12.0	-4.1	NO		NO	bb
6	6 180419M2_7	Standard	12.500	5.72	20383.162	23435.998	10.872	12.7	1.6	NO		NO	bb
7	7 180419M2_8	Standard	12.500	5.72	18165.154	21133.938	10.744	12.6	0.4	NO		NO	bb
8	8 180419M2_9	Standard	12.500	5.72	16976.580	20698.984	10.252	12.0	-4.2	NO		NO	bb
9	9 180419M2_10	Standard	12.500	5.72	19340.533	18992.932	12.729	14.9	19.0	NO		NO	bb
10	10 180419M2_11	Standard	12.500	5.72	17447.568	18820.316	11.588	13.5	8.3	NO		NO	bb

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Compound name: d3-N-MeFOSA

Response Factor: 0.0998522

RRF SD: 0.00714389, Relative SD: 7.15447

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	150.000	5.84	26072.516	22892.498	14.236	142.6	-5.0	NO		NO	bb
2	2 180419M2_3	Standard	150.000	5.84	25072.518	22078.832	14.195	142.2	-5.2	NO		NO	bb
3	3 180419M2_4	Standard	150.000	5.84	27453.629	22175.445	15.475	155.0	3.3	NO		NO	bb
4	4 180419M2_5	Standard	150.000	5.84	26292.814	23270.021	14.124	141.4	-5.7	NO		NO	bb
5	5 180419M2_6	Standard	150.000	5.84	25926.508	23710.139	13.668	136.9	-8.7	NO		NO	bb
6	6 180419M2_7	Standard	150.000	5.84	26063.539	23435.998	13.901	139.2	-7.2	NO		NO	bb
7	7 180419M2_8	Standard	150.000	5.84	26711.736	21133.938	15.799	158.2	5.5	NO		NO	bd
8	8 180419M2_9	Standard	150.000	5.84	25584.402	20698.984	15.450	154.7	3.2	NO		NO	bb
9	9 180419M2_10	Standard	150.000	5.84	25091.248	18992.932	16.514	165.4	10.3	NO		NO	bb
10	10 180419M2_11	Standard	150.000	5.84	24715.094	18820.316	16.415	164.4	9.6	NO		NO	bb

Compound name: 13C2-PFTeDA

Response Factor: 0.724908

RRF SD: 0.0625014, Relative SD: 8.62197

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	6.19	16018.485	22892.498	8.747	12.1	-3.5	NO		NO	bb
2	2 180419M2_3	Standard	12.500	6.19	15454.848	22078.832	8.750	12.1	-3.4	NO		NO	bb
3	3 180419M2_4	Standard	12.500	6.19	15864.614	22175.445	8.943	12.3	-1.3	NO		NO	bb
4	4 180419M2_5	Standard	12.500	6.19	15601.539	23270.021	8.381	11.6	-7.5	NO		NO	bb
5	5 180419M2_6	Standard	12.500	6.19	15788.800	23710.139	8.324	11.5	-8.1	NO		NO	bb
6	6 180419M2_7	Standard	12.500	6.19	16378.195	23435.998	8.736	12.1	-3.6	NO		NO	bb
7	7 180419M2_8	Standard	12.500	6.18	15667.757	21133.938	9.267	12.8	2.3	NO		NO	bb
8	8 180419M2_9	Standard	12.500	6.19	14175.426	20698.984	8.560	11.8	-5.5	NO		NO	bb
9	9 180419M2_10	Standard	12.500	6.19	15848.968	18992.932	10.431	14.4	15.1	NO		NO	bb
10	10 180419M2_11	Standard	12.500	6.19	15772.948	18820.316	10.476	14.5	15.6	NO		NO	bb

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Compound name: d5-N-ETFOSA

Response Factor: 0.140452

RRF SD: 0.00668879, Relative SD: 4.76233

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	150.000	6.22	37406.629	22892.498	20.425	145.4	-3.1	NO		NO	bb
2	2 180419M2_3	Standard	150.000	6.22	36716.309	22078.832	20.787	148.0	-1.3	NO		NO	bb
3	3 180419M2_4	Standard	150.000	6.22	38426.754	22175.445	21.661	154.2	2.8	NO		NO	bb
4	4 180419M2_5	Standard	150.000	6.22	36785.758	23270.021	19.760	140.7	-6.2	NO		NO	bb
5	5 180419M2_6	Standard	150.000	6.22	37502.195	23710.139	19.771	140.8	-6.2	NO		NO	bb
6	6 180419M2_7	Standard	150.000	6.22	39136.367	23435.998	20.874	148.6	-0.9	NO		NO	bb
7	7 180419M2_8	Standard	150.000	6.21	37481.070	21133.938	22.169	157.8	5.2	NO		NO	bb
8	8 180419M2_9	Standard	150.000	6.22	35894.168	20698.984	21.676	154.3	2.9	NO		NO	bd
9	9 180419M2_10	Standard	150.000	6.21	34682.379	18992.932	22.826	162.5	8.3	NO		NO	bb
10	10 180419M2_11	Standard	150.000	6.22	31209.510	18820.316	20.729	147.6	-1.6	NO		NO	bb

Compound name: 13C2-PFHxDA

Response Factor: 1.34677

RRF SD: 0.137939, Relative SD: 10.2422

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	5.000	6.51	11314.697	22892.498	6.178	4.6	-8.3	NO		NO	bb
2	2 180419M2_3	Standard	5.000	6.51	12240.314	22078.832	6.930	5.1	2.9	NO		NO	bb
3	3 180419M2_4	Standard	5.000	6.50	11340.354	22175.445	6.392	4.7	-5.1	NO		NO	bb
4	4 180419M2_5	Standard	5.000	6.50	11692.198	23270.021	6.281	4.7	-6.7	NO		NO	bb
5	5 180419M2_6	Standard	5.000	6.50	11244.134	23710.139	5.928	4.4	-12.0	NO		NO	bb
6	6 180419M2_7	Standard	5.000	6.50	11932.527	23435.998	6.364	4.7	-5.5	NO		NO	bb
7	7 180419M2_8	Standard	5.000	6.50	11138.841	21133.938	6.588	4.9	-2.2	NO		NO	bb
8	8 180419M2_9	Standard	5.000	6.50	11560.508	20698.984	6.981	5.2	3.7	NO		NO	bb
9	9 180419M2_10	Standard	5.000	6.51	11374.052	18992.932	7.486	5.6	11.2	NO		NO	bb
10	10 180419M2_11	Standard	5.000	6.50	12360.771	18820.316	8.210	6.1	21.9	NO		NO	MM

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Compound name: d7-N-MeFOSE

Response Factor: 0.140163

RRF SD: 0.00688624, Relative SD: 4.91303

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	150.000	6.33	36338.223	22892.498	19.842	141.6	-5.6	NO		NO	MM
2	2 180419M2_3	Standard	150.000	6.32	36269.895	22078.832	20.534	146.5	-2.3	NO		NO	MM
3	3 180419M2_4	Standard	150.000	6.32	37928.598	22175.445	21.380	152.5	1.7	NO		NO	MM
4	4 180419M2_5	Standard	150.000	6.32	36512.434	23270.021	19.613	139.9	-6.7	NO		NO	MM
5	5 180419M2_6	Standard	150.000	6.32	37374.723	23710.139	19.704	140.6	-6.3	NO		NO	MM
6	6 180419M2_7	Standard	150.000	6.32	39583.664	23435.998	21.113	150.6	0.4	NO		NO	MM
7	7 180419M2_8	Standard	150.000	6.32	37672.777	21133.938	22.282	159.0	6.0	NO		NO	MM
8	8 180419M2_9	Standard	150.000	6.32	36159.348	20698.984	21.836	155.8	3.9	NO		NO	MM
9	9 180419M2_10	Standard	150.000	6.32	33659.043	18992.932	22.152	158.0	5.4	NO		NO	bb
10	10 180419M2_11	Standard	150.000	6.32	32803.305	18820.316	21.787	155.4	3.6	NO		NO	MM

Compound name: d9-N-EtFOSE

Response Factor: 0.133818

RRF SD: 0.0102396, Relative SD: 7.65191

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	150.000	6.47	33114.000	22892.498	18.081	135.1	-9.9	NO		NO	MM
2	2 180419M2_3	Standard	150.000	6.47	35036.789	22078.832	19.836	148.2	-1.2	NO		NO	MM
3	3 180419M2_4	Standard	150.000	6.47	35475.059	22175.445	19.997	149.4	-0.4	NO		NO	MM
4	4 180419M2_5	Standard	150.000	6.47	36912.816	23270.021	19.829	148.2	-1.2	NO		NO	MM
5	5 180419M2_6	Standard	150.000	6.47	33540.895	23710.139	17.683	132.1	-11.9	NO		NO	MM
6	6 180419M2_7	Standard	150.000	6.47	36344.852	23435.998	19.385	144.9	-3.4	NO		NO	MM
7	7 180419M2_8	Standard	150.000	6.47	35581.535	21133.938	21.045	157.3	4.8	NO		NO	MM
8	8 180419M2_9	Standard	150.000	6.47	37903.047	20698.984	22.889	171.0	14.0	NO		NO	MM
9	9 180419M2_10	Standard	150.000	6.47	31219.580	18992.932	20.547	153.5	2.4	NO		NO	MM
10	10 180419M2_11	Standard	150.000	6.47	32273.100	18820.316	21.435	160.2	6.8	NO		NO	MM

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Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	1.45	13332.181	13332.181	12.500	12.5	0.0	NO		NO	MM
2	2 180419M2_3	Standard	12.500	1.45	12972.907	12972.907	12.500	12.5	0.0	NO		NO	MM
3	3 180419M2_4	Standard	12.500	1.44	12939.598	12939.598	12.500	12.5	0.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	1.45	13368.907	13368.907	12.500	12.5	0.0	NO		NO	MM
5	5 180419M2_6	Standard	12.500	1.44	13012.066	13012.066	12.500	12.5	0.0	NO		NO	bb
6	6 180419M2_7	Standard	12.500	1.46	13934.313	13934.313	12.500	12.5	0.0	NO		NO	MM
7	7 180419M2_8	Standard	12.500	1.46	13652.025	13652.025	12.500	12.5	0.0	NO		NO	MM
8	8 180419M2_9	Standard	12.500	1.45	13662.340	13662.340	12.500	12.5	0.0	NO		NO	MM
9	9 180419M2_10	Standard	12.500	1.46	13749.181	13749.181	12.500	12.5	0.0	NO		NO	MM
10	10 180419M2_11	Standard	12.500	1.45	13168.028	13168.028	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C5-PFHxA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	3.17	17279.664	17279.664	12.500	12.5	0.0	NO		NO	bb
2	2 180419M2_3	Standard	12.500	3.17	16833.979	16833.979	12.500	12.5	0.0	NO		NO	bb
3	3 180419M2_4	Standard	12.500	3.17	16838.666	16838.666	12.500	12.5	0.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	3.17	17205.590	17205.590	12.500	12.5	0.0	NO		NO	bb
5	5 180419M2_6	Standard	12.500	3.17	16691.463	16691.463	12.500	12.5	0.0	NO		NO	bb
6	6 180419M2_7	Standard	12.500	3.17	18028.676	18028.676	12.500	12.5	0.0	NO		NO	bb
7	7 180419M2_8	Standard	12.500	3.17	17266.203	17266.203	12.500	12.5	0.0	NO		NO	bb
8	8 180419M2_9	Standard	12.500	3.17	16805.721	16805.721	12.500	12.5	0.0	NO		NO	bb
9	9 180419M2_10	Standard	12.500	3.17	16314.442	16314.442	12.500	12.5	0.0	NO		NO	bb
10	10 180419M2_11	Standard	12.500	3.17	15720.507	15720.507	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	3.94	3933.389	3933.389	12.500	12.5	0.0	NO		NO	bb
2	2 180419M2_3	Standard	12.500	3.94	3832.956	3832.956	12.500	12.5	0.0	NO		NO	bb
3	3 180419M2_4	Standard	12.500	3.95	3595.290	3595.290	12.500	12.5	0.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	3.95	4111.003	4111.003	12.500	12.5	0.0	NO		NO	bb
5	5 180419M2_6	Standard	12.500	3.95	3791.299	3791.299	12.500	12.5	0.0	NO		NO	bb
6	6 180419M2_7	Standard	12.500	3.94	4324.718	4324.718	12.500	12.5	0.0	NO		NO	bb
7	7 180419M2_8	Standard	12.500	3.94	4177.611	4177.611	12.500	12.5	0.0	NO		NO	bb
8	8 180419M2_9	Standard	12.500	3.94	4191.284	4191.284	12.500	12.5	0.0	NO		NO	bb
9	9 180419M2_10	Standard	12.500	3.94	3777.599	3777.599	12.500	12.5	0.0	NO		NO	MM
10	10 180419M2_11	Standard	12.500	3.94	3673.835	3673.835	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	4.32	17298.980	17298.980	12.500	12.5	0.0	NO		NO	bb
2	2 180419M2_3	Standard	12.500	4.32	16602.381	16602.381	12.500	12.5	0.0	NO		NO	bb
3	3 180419M2_4	Standard	12.500	4.32	16387.928	16387.928	12.500	12.5	0.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	4.32	18268.186	18268.186	12.500	12.5	0.0	NO		NO	bb
5	5 180419M2_6	Standard	12.500	4.32	17789.414	17789.414	12.500	12.5	0.0	NO		NO	bb
6	6 180419M2_7	Standard	12.500	4.31	17080.137	17080.137	12.500	12.5	0.0	NO		NO	bb
7	7 180419M2_8	Standard	12.500	4.32	17775.623	17775.623	12.500	12.5	0.0	NO		NO	bb
8	8 180419M2_9	Standard	12.500	4.31	17170.570	17170.570	12.500	12.5	0.0	NO		NO	bb
9	9 180419M2_10	Standard	12.500	4.31	16488.479	16488.479	12.500	12.5	0.0	NO		NO	bb
10	10 180419M2_11	Standard	12.500	4.31	15968.019	15968.019	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	4.75	17728.037	17728.037	12.500	12.5	0.0	NO		NO	bb
2	2 180419M2_3	Standard	12.500	4.76	17047.045	17047.045	12.500	12.5	0.0	NO		NO	bb
3	3 180419M2_4	Standard	12.500	4.75	18421.768	18421.768	12.500	12.5	0.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	4.75	17412.852	17412.852	12.500	12.5	0.0	NO		NO	bb
5	5 180419M2_6	Standard	12.500	4.75	17074.148	17074.148	12.500	12.5	0.0	NO		NO	bb
6	6 180419M2_7	Standard	12.500	4.75	18585.107	18585.107	12.500	12.5	0.0	NO		NO	bb
7	7 180419M2_8	Standard	12.500	4.75	17710.240	17710.240	12.500	12.5	0.0	NO		NO	bb
8	8 180419M2_9	Standard	12.500	4.75	18028.305	18028.305	12.500	12.5	0.0	NO		NO	bb
9	9 180419M2_10	Standard	12.500	4.75	17965.652	17965.652	12.500	12.5	0.0	NO		NO	bb
10	10 180419M2_11	Standard	12.500	4.75	15270.130	15270.130	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C4-PFOS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	4.83	4072.372	4072.372	12.500	12.5	0.0	NO		NO	bb
2	2 180419M2_3	Standard	12.500	4.83	3957.580	3957.580	12.500	12.5	0.0	NO		NO	bb
3	3 180419M2_4	Standard	12.500	4.83	4289.956	4289.956	12.500	12.5	0.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	4.83	4156.578	4156.578	12.500	12.5	0.0	NO		NO	bb
5	5 180419M2_6	Standard	12.500	4.84	4023.109	4023.109	12.500	12.5	0.0	NO		NO	bb
6	6 180419M2_7	Standard	12.500	4.83	4494.018	4494.018	12.500	12.5	0.0	NO		NO	bb
7	7 180419M2_8	Standard	12.500	4.83	3907.508	3907.508	12.500	12.5	0.0	NO		NO	bb
8	8 180419M2_9	Standard	12.500	4.83	4139.134	4139.134	12.500	12.5	0.0	NO		NO	bb
9	9 180419M2_10	Standard	12.500	4.83	3900.083	3900.083	12.500	12.5	0.0	NO		NO	bb
10	10 180419M2_11	Standard	12.500	4.83	3662.371	3662.371	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C6-PFDA

Response Factor: 1
 RRF SD: 0, Relative SD: 0
 Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	5.12	19448.986	19448.986	12.500	12.5	0.0	NO		NO	bb
2	2 180419M2_3	Standard	12.500	5.12	17763.508	17763.508	12.500	12.5	0.0	NO		NO	bb
3	3 180419M2_4	Standard	12.500	5.12	18894.164	18894.164	12.500	12.5	0.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	5.12	19078.375	19078.375	12.500	12.5	0.0	NO		NO	bb
5	5 180419M2_6	Standard	12.500	5.12	17797.682	17797.682	12.500	12.5	0.0	NO		NO	bb
6	6 180419M2_7	Standard	12.500	5.12	19251.119	19251.119	12.500	12.5	0.0	NO		NO	bb
7	7 180419M2_8	Standard	12.500	5.12	16422.994	16422.994	12.500	12.5	0.0	NO		NO	bb
8	8 180419M2_9	Standard	12.500	5.12	17851.998	17851.998	12.500	12.5	0.0	NO		NO	bb
9	9 180419M2_10	Standard	12.500	5.12	17082.453	17082.453	12.500	12.5	0.0	NO		NO	bb
10	10 180419M2_11	Standard	12.500	5.12	15993.485	15993.485	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUdA

Response Factor: 1
 RRF SD: 0, Relative SD: 0
 Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180419M2_2	Standard	12.500	5.45	22892.498	22892.498	12.500	12.5	0.0	NO		NO	bb
2	2 180419M2_3	Standard	12.500	5.45	22078.832	22078.832	12.500	12.5	0.0	NO		NO	bb
3	3 180419M2_4	Standard	12.500	5.45	22175.445	22175.445	12.500	12.5	0.0	NO		NO	bb
4	4 180419M2_5	Standard	12.500	5.45	23270.021	23270.021	12.500	12.5	0.0	NO		NO	bb
5	5 180419M2_6	Standard	12.500	5.45	23710.139	23710.139	12.500	12.5	0.0	NO		NO	bb
6	6 180419M2_7	Standard	12.500	5.44	23435.998	23435.998	12.500	12.5	0.0	NO		NO	bb
7	7 180419M2_8	Standard	12.500	5.44	21133.938	21133.938	12.500	12.5	0.0	NO		NO	bb
8	8 180419M2_9	Standard	12.500	5.45	20698.984	20698.984	12.500	12.5	0.0	NO		NO	bb
9	9 180419M2_10	Standard	12.500	5.44	18992.932	18992.932	12.500	12.5	0.0	NO		NO	bb
10	10 180419M2_11	Standard	12.500	5.44	18820.316	18820.316	12.500	12.5	0.0	NO		NO	bb

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Method: Z:\Projects\PFAS.pro\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_2, Date: 19-Apr-2018, Time: 20:01:14, ID: ST180419M2-1 PFC CS-2 18D1702, Description: PFC CS-2 18D1702

#	Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	34	0.9999	NO	
2	2 PFPeA	35	0.9999	NO	
3	3 PFBS	36	0.9996	NO	
4	4 4:2 FTS	36	0.9995	NO	
5	5 PFHxA	37	0.9997	NO	
6	6 PFPeS	36	0.9996	NO	
7	7 PFHpA	38	0.9998	NO	
8	8 L-PFHxS	39	0.9971	NO	
9	10 6:2 FTS	40	0.9992	NO	
10	11 L-PFOA	41	0.9994	NO	
11	13 PFHpS	41	0.9996	NO	
12	14 PFNA	42	0.9991	NO	
13	15 PFOSA	43	0.9991	NO	
14	16 L-PFOS	44	0.9996	NO	
15	18 PFDA	45	0.9999	NO	
16	19 8:2 FTS	46	0.9967	NO	
17	20 PFNS	44	0.9986	NO	
18	21 N-MeFOSAA	47	0.9974	NO	
19	22 N-EtFOSAA	48	0.9994	NO	
20	23 PFUdA	49	0.9990	NO	
21	24 PFDS	49	0.9989	NO	
22	25 PFDoA	50	0.9914	NO	
23	26 N-MeFOSA	51	0.9997	NO	
24	27 PFTrDA	50	0.9979	NO	
25	28 PFTeDA	52	0.9982	NO	
26	29 N-EtFOSA	53	0.9999	NO	
27	30 PFHxDA	54	0.9988	NO	
28	31 PFODA	54	0.9994	NO	
29	32 N-MeFOSE	55	0.9992	NO	
30	33 N-EtFOSE	56	0.9986	NO	
31	34 13C3-PFBA	57		NO	2.146

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:54 Pacific Daylight Time

Name: 180419M2_2, Date: 19-Apr-2018, Time: 20:01:14, ID: ST180419M2-1 PFC CS-2 18D1702, Description: PFC CS-2 18D1702

	# Name	IS#	CoD	CoD Flag	%RSD
32	35 13C3-PFPeA	58		NO	2.807
33	36 13C3-PFBS	58		NO	2.370
34	37 13C2-PFHxA	58		NO	3.735
35	38 13C4-PFHpA	58		NO	3.605
36	39 18O2-PFHxS	59		NO	6.364
37	40 13C2-6:2 FTS	60		NO	11.611
38	41 13C2-PFOA	60		NO	3.898
39	42 13C5-PFNA	61		NO	6.444
40	43 13C8-PFOSA	64		NO	8.841
41	44 13C8-PFOS	62		NO	6.964
42	45 13C2-PFDA	63		NO	7.488
43	46 13C2-8:2 FTS	58		NO	18.374
44	47 d3-N-MeFOSAA	64		NO	9.650
45	48 d5-N-EtFOSAA	64		NO	8.027
46	49 13C2-PFUdA	64		NO	7.659
47	50 13C2-PFDoA	64		NO	8.905
48	51 d3-N-MeFOSA	64		NO	7.154
49	52 13C2-PFTeDA	64		NO	8.622
50	53 d5-N-ETFOSA	64		NO	4.762
51	54 13C2-PFHxDA	64		NO	10.242
52	55 d7-N-MeFOSE	64		NO	4.913
53	56 d9-N-EtFOSE	64		NO	7.652
54	57 13C4-PFBA	57		NO	0.000
55	58 13C5-PFHxA	58		NO	0.000
56	59 13C3-PFHxS	59		NO	0.000
57	60 13C8-PFOA	60		NO	0.000
58	61 13C9-PFNA	61		NO	0.000
59	62 13C4-PFOS	62		NO	0.000
60	63 13C6-PFDA	63		NO	0.000
61	64 13C7-PFUdA	64		NO	0.000

Dataset: Untitled

Last Altered: Thursday, April 26, 2018 15:31:35 Pacific Daylight Time
Printed: Thursday, April 26, 2018 15:32:25 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\IC18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180419M2_1	IPA	19-Apr-18	19:49:44
2	180419M2_2	ST180419M2-1 PFC CS-2 18D1702	19-Apr-18	20:01:14
3	180419M2_3	ST180419M2-2 PFC CS-1 18D1703	19-Apr-18	20:12:44
4	180419M2_4	ST180419M2-3 PFC CS0 18D1704	19-Apr-18	20:24:13
5	180419M2_5	ST180419M2-4 PFC CS1 18D1705	19-Apr-18	20:35:42
6	180419M2_6	ST180419M2-5 PFC CS2 18D1706	19-Apr-18	20:47:11
7	180419M2_7	ST180419M2-6 PFC CS3 18D1707	19-Apr-18	20:58:40
8	180419M2_8	ST180419M2-7 PFC CS4 18D1708	19-Apr-18	21:10:07
9	180419M2_9	ST180419M2-8 PFC CS5 18D1709	19-Apr-18	21:21:36
10	180419M2_10	ST180419M2-9 PFC CS6 18D1710	19-Apr-18	21:33:03
11	180419M2_11	ST180419M2-10 PFC CS7 18D1711	19-Apr-18	21:44:33
12	180419M2_12	IPA	19-Apr-18	21:56:03
13	180419M2_13	ICV180419M2-1 PFC ICV 18D1701	19-Apr-18	22:07:32
14	180419M2_14	IPA	19-Apr-18	22:19:00

Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

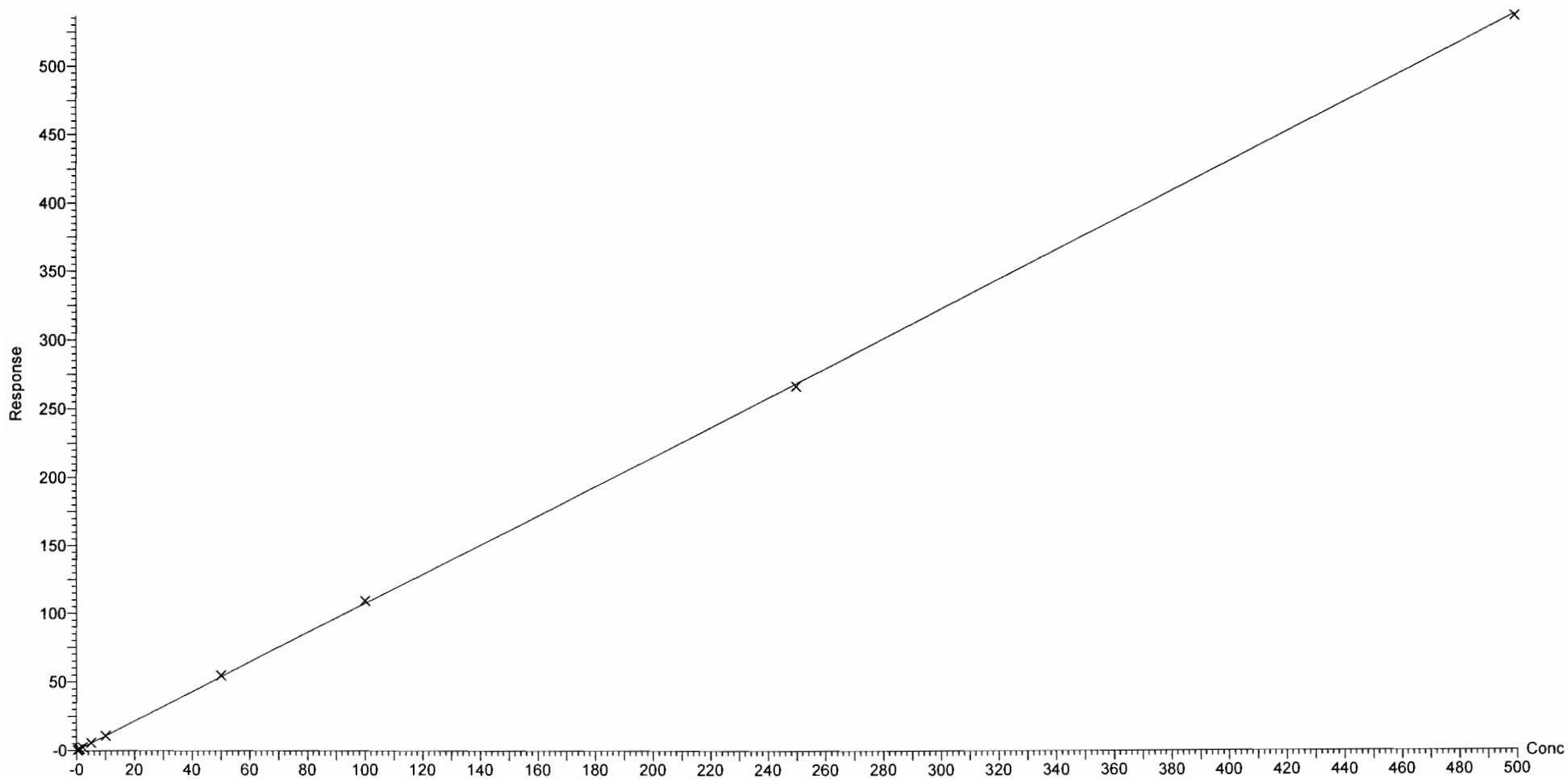
Compound name: PFBA

Correlation coefficient: $r = 0.999940$, $r^2 = 0.999880$

Calibration curve: $1.07336 * x + -0.00432934$

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

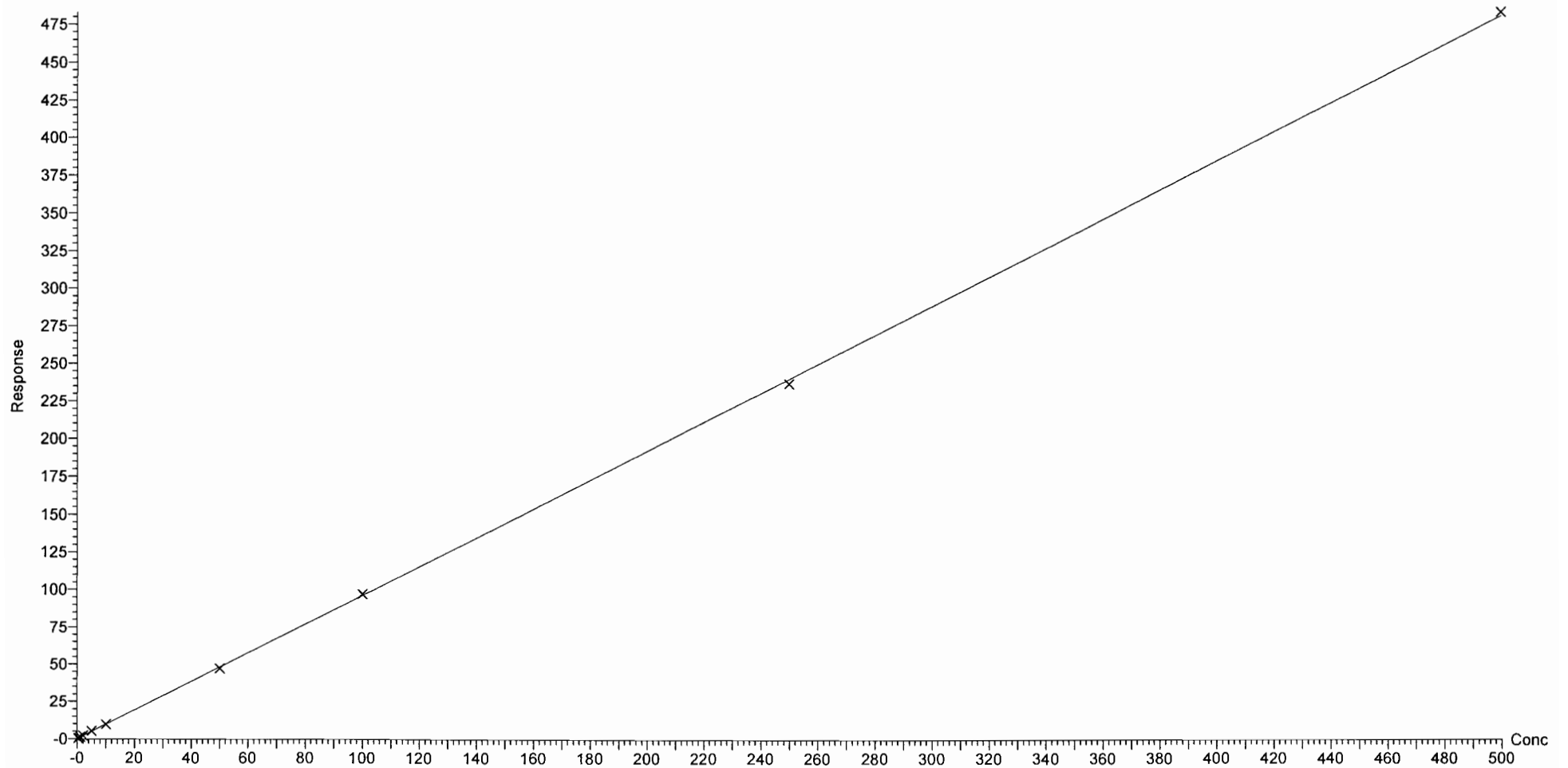
Compound name: PFPeA

Correlation coefficient: $r = 0.999930$, $r^2 = 0.999860$

Calibration curve: $0.960383 * x + 0.0646068$

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

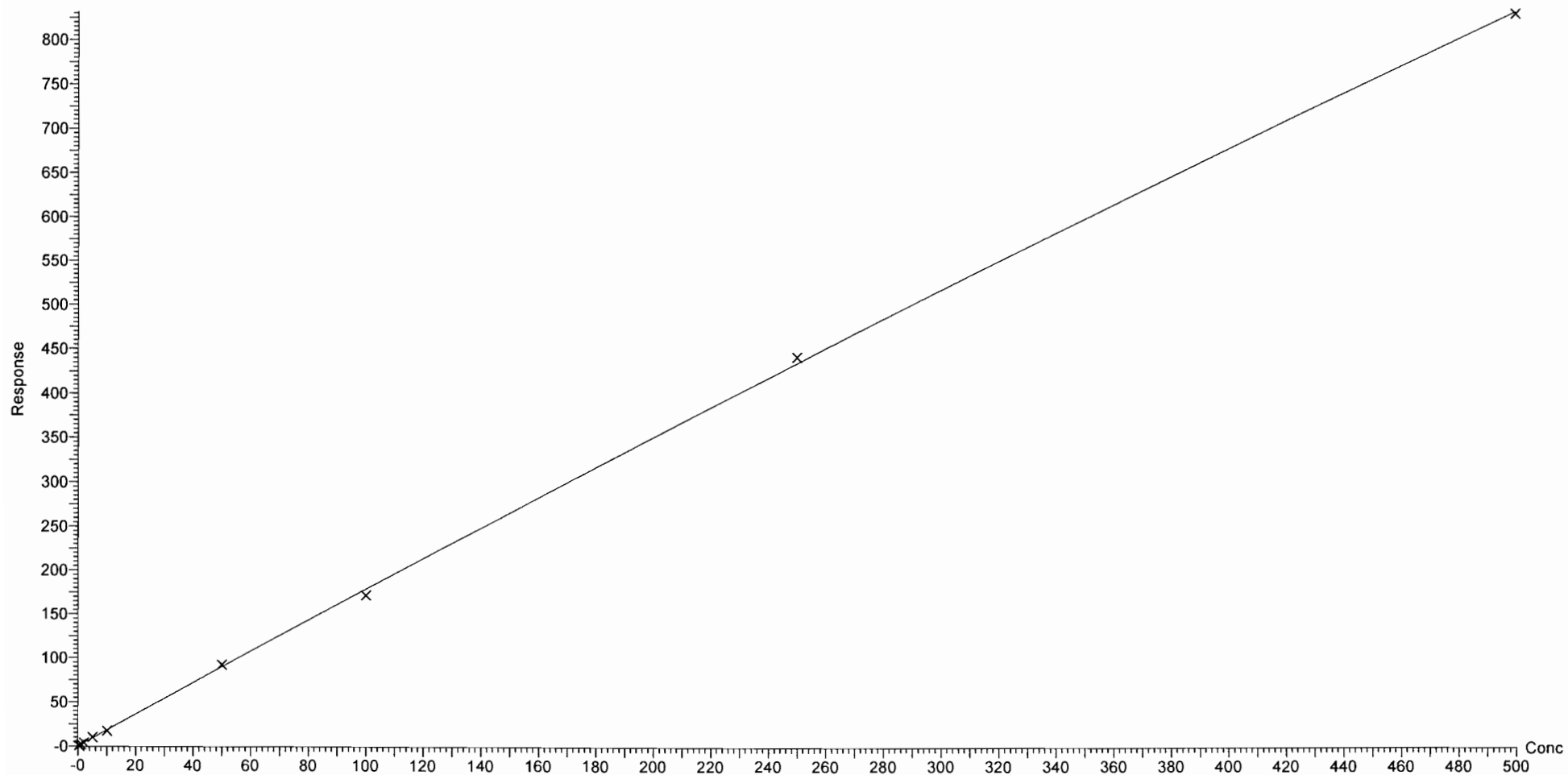
Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999569$

Calibration curve: $-0.000311062 * x^2 + 1.81818 * x + 0.0326953$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

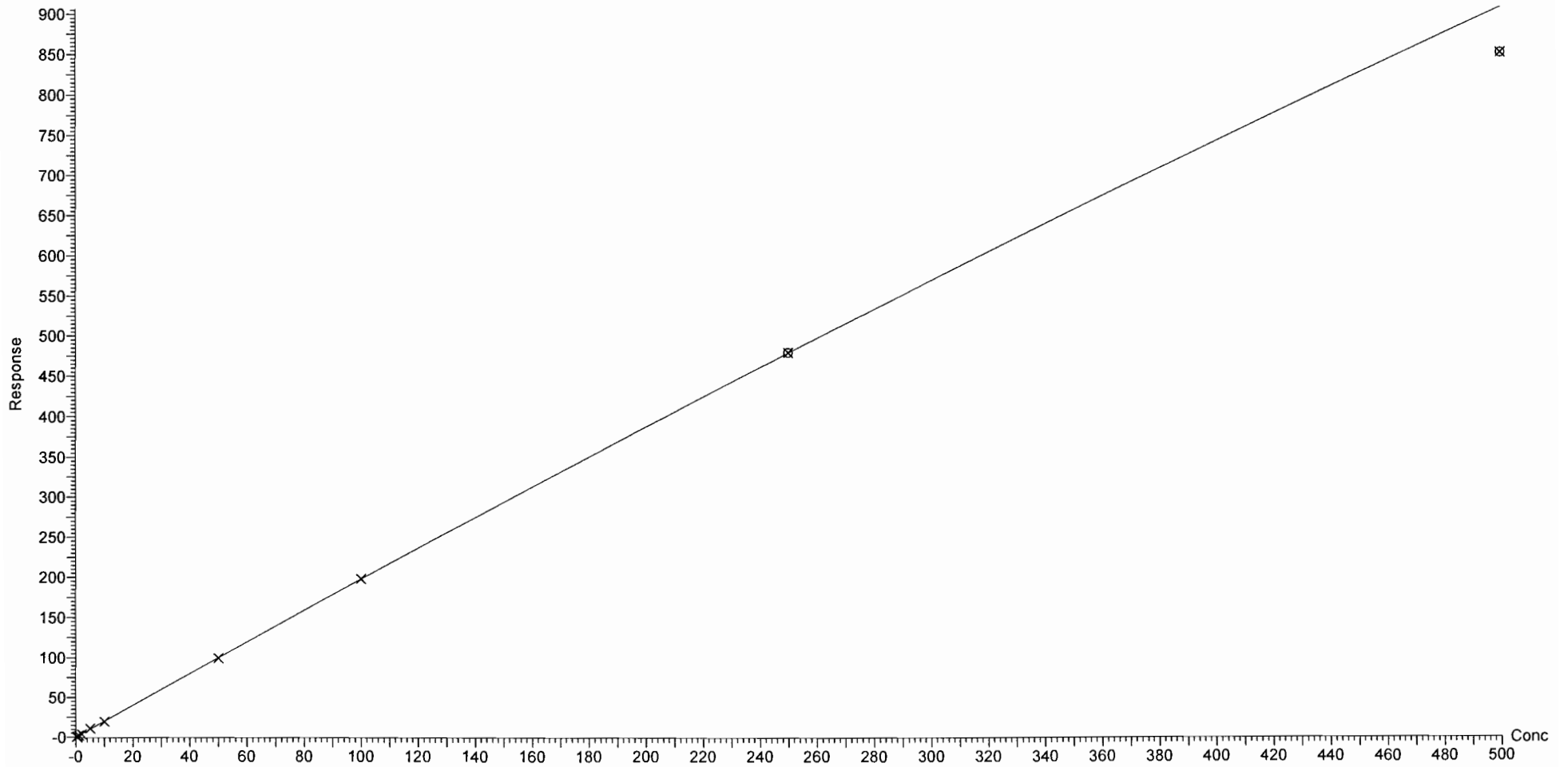
Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.999501$

Calibration curve: $-0.000415586 * x^2 + 2.02035 * x + -0.0548789$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

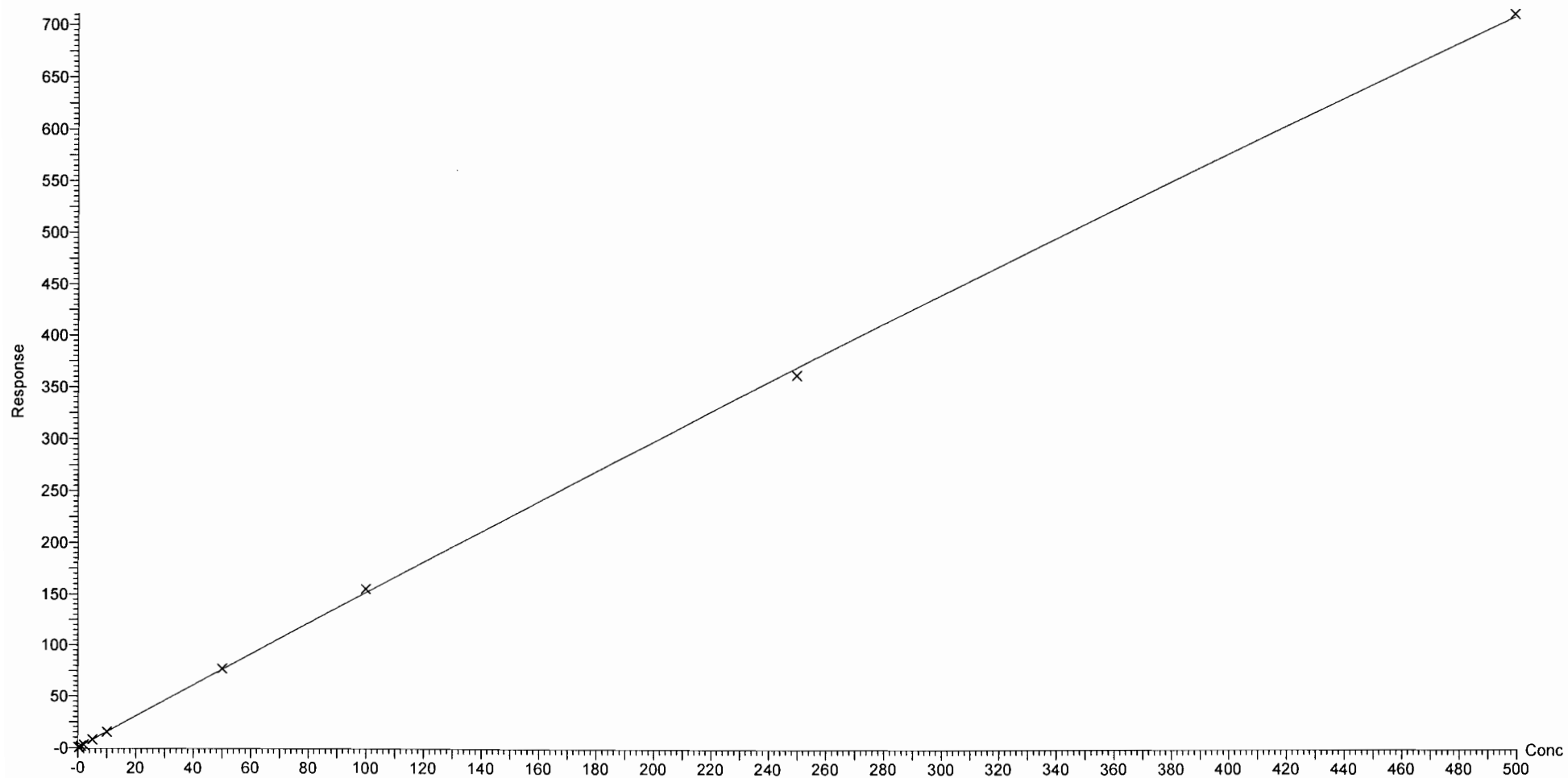
Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999730$

Calibration curve: $-0.000254366 * x^2 + 1.54258 * x + 0.0816022$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

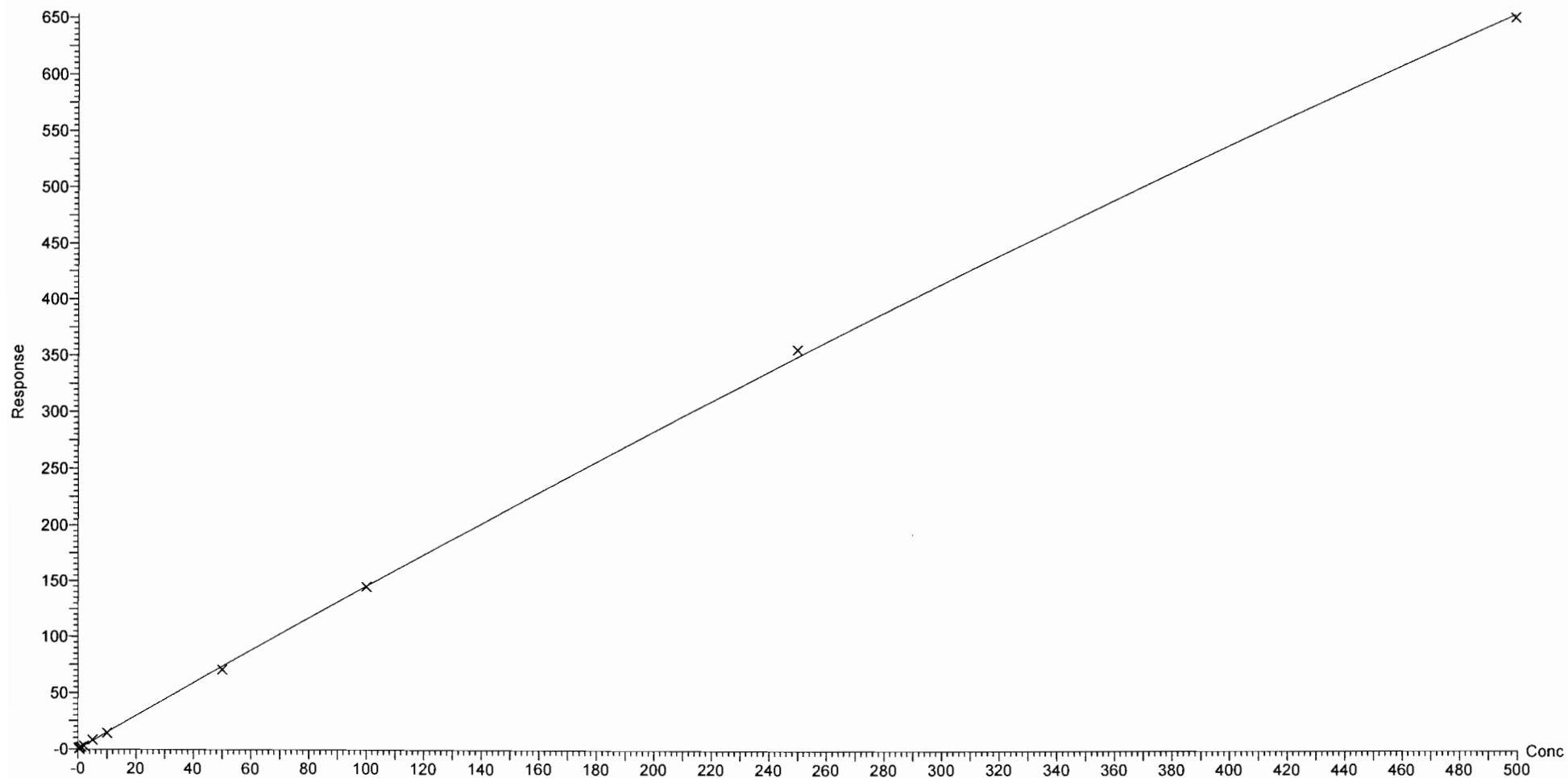
Compound name: PFPeS

Coefficient of Determination: $R^2 = 0.999647$

Calibration curve: $-0.000372596 * x^2 + 1.49222 * x + 0.0192946$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

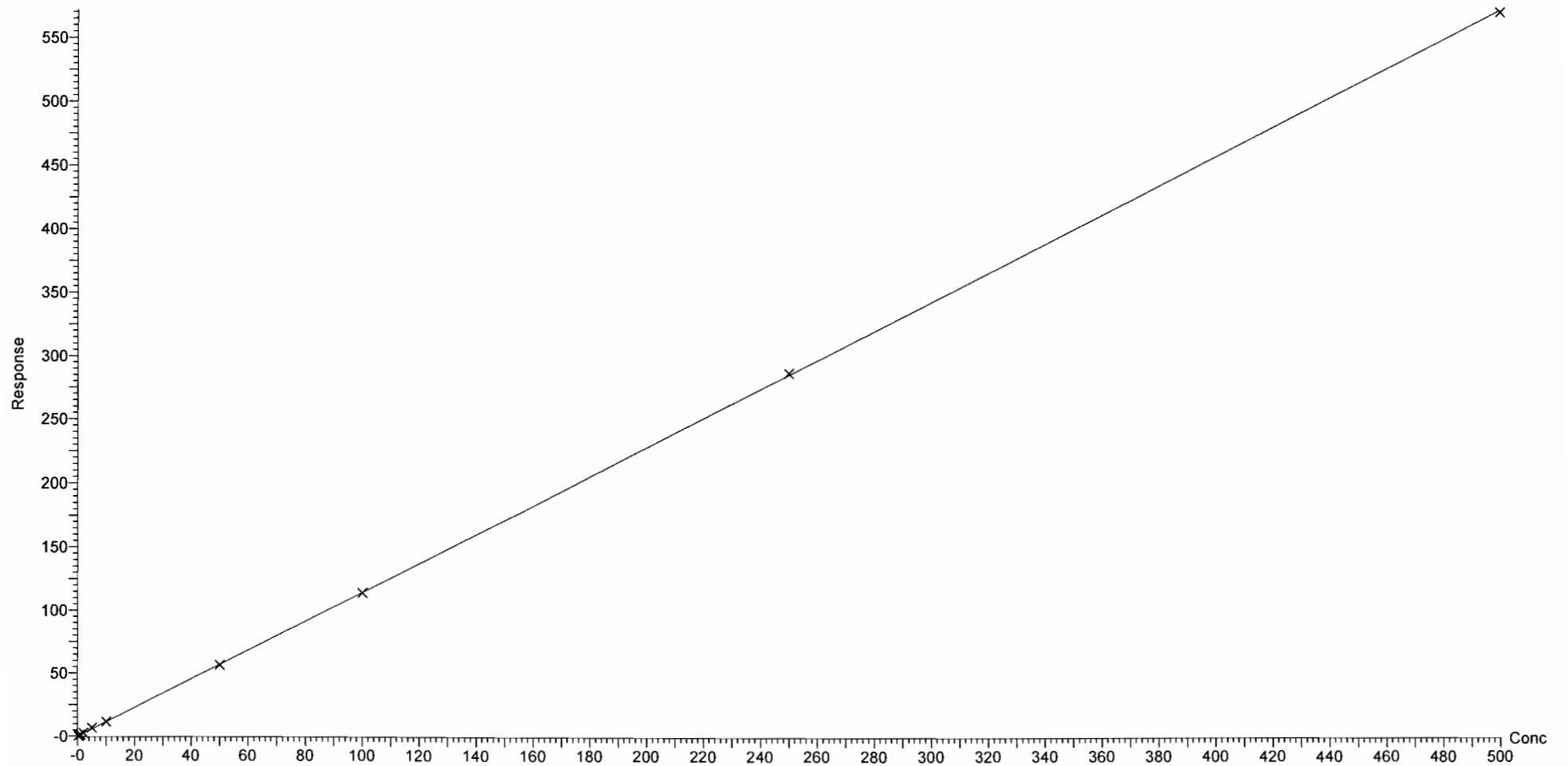
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time
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Compound name: PFHpA
Correlation coefficient: $r = 0.999898$, $r^2 = 0.999795$
Calibration curve: $1.1425 * x + 0.0733779$
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

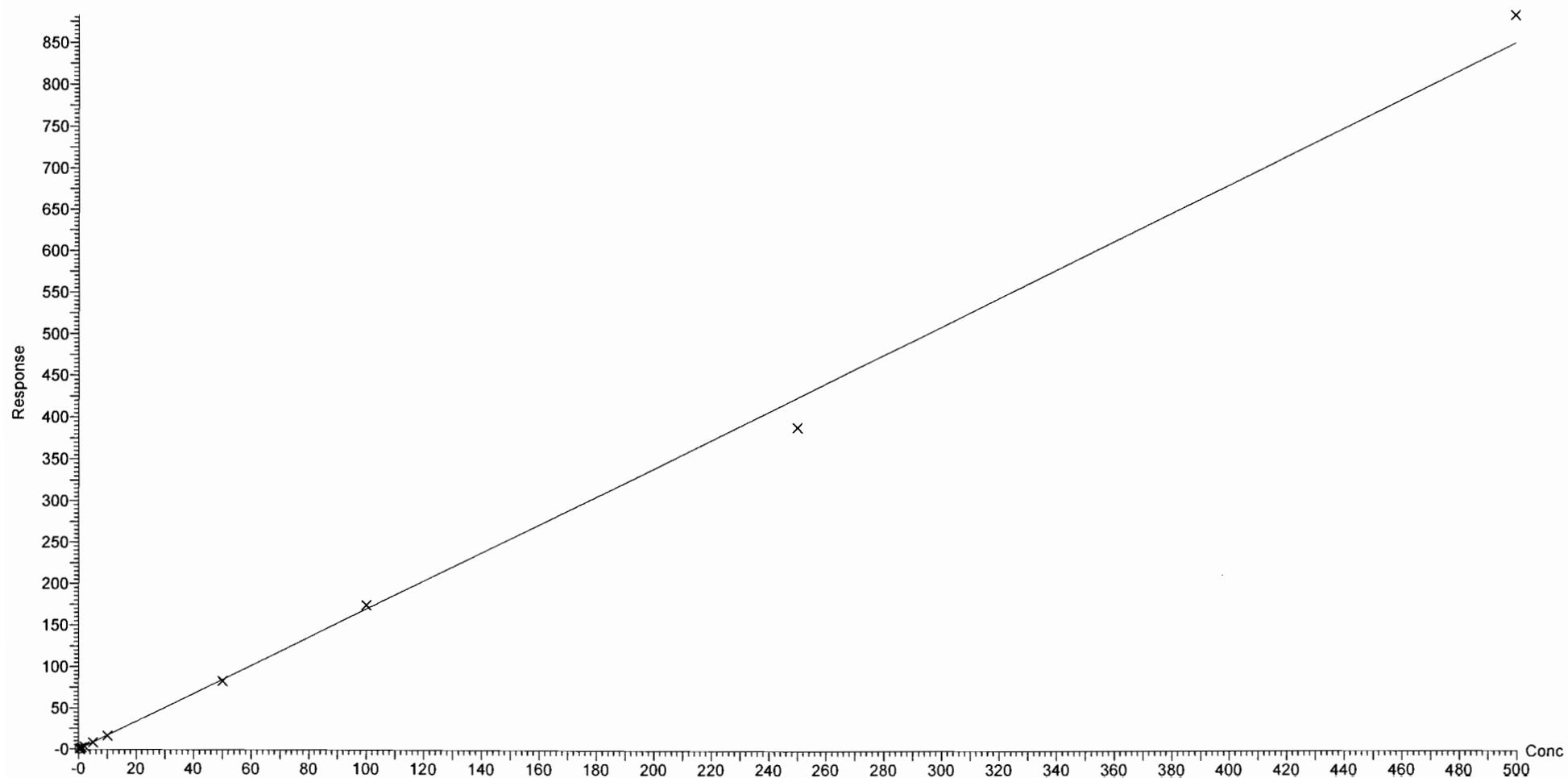
Compound name: L-PFHxS

Correlation coefficient: $r = 0.998539$, $r^2 = 0.997080$

Calibration curve: $1.69908 * x + -0.000532253$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

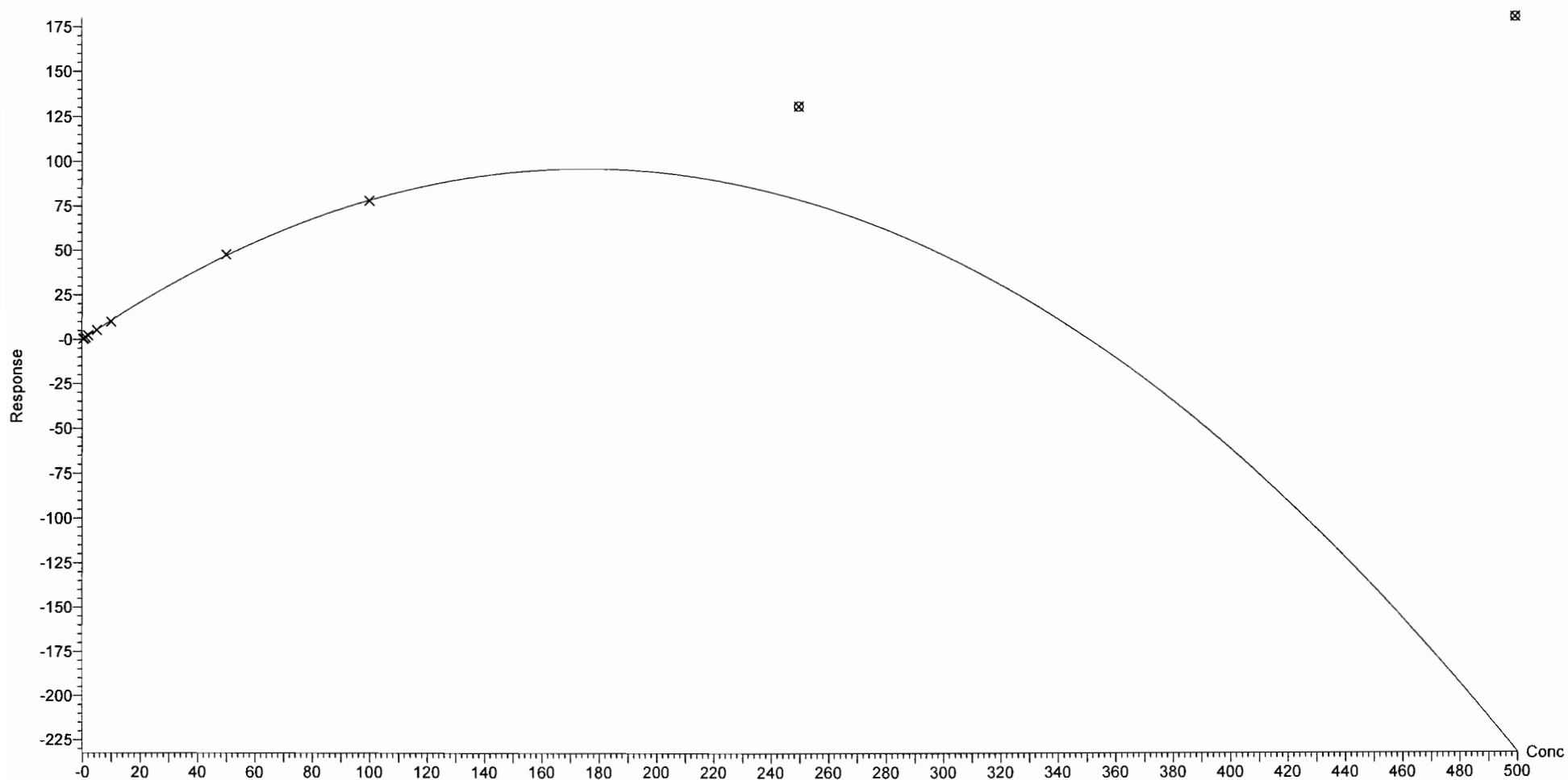
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.999211$

Calibration curve: $-0.00311747 * x^2 + 1.09401 * x + -0.0159478$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

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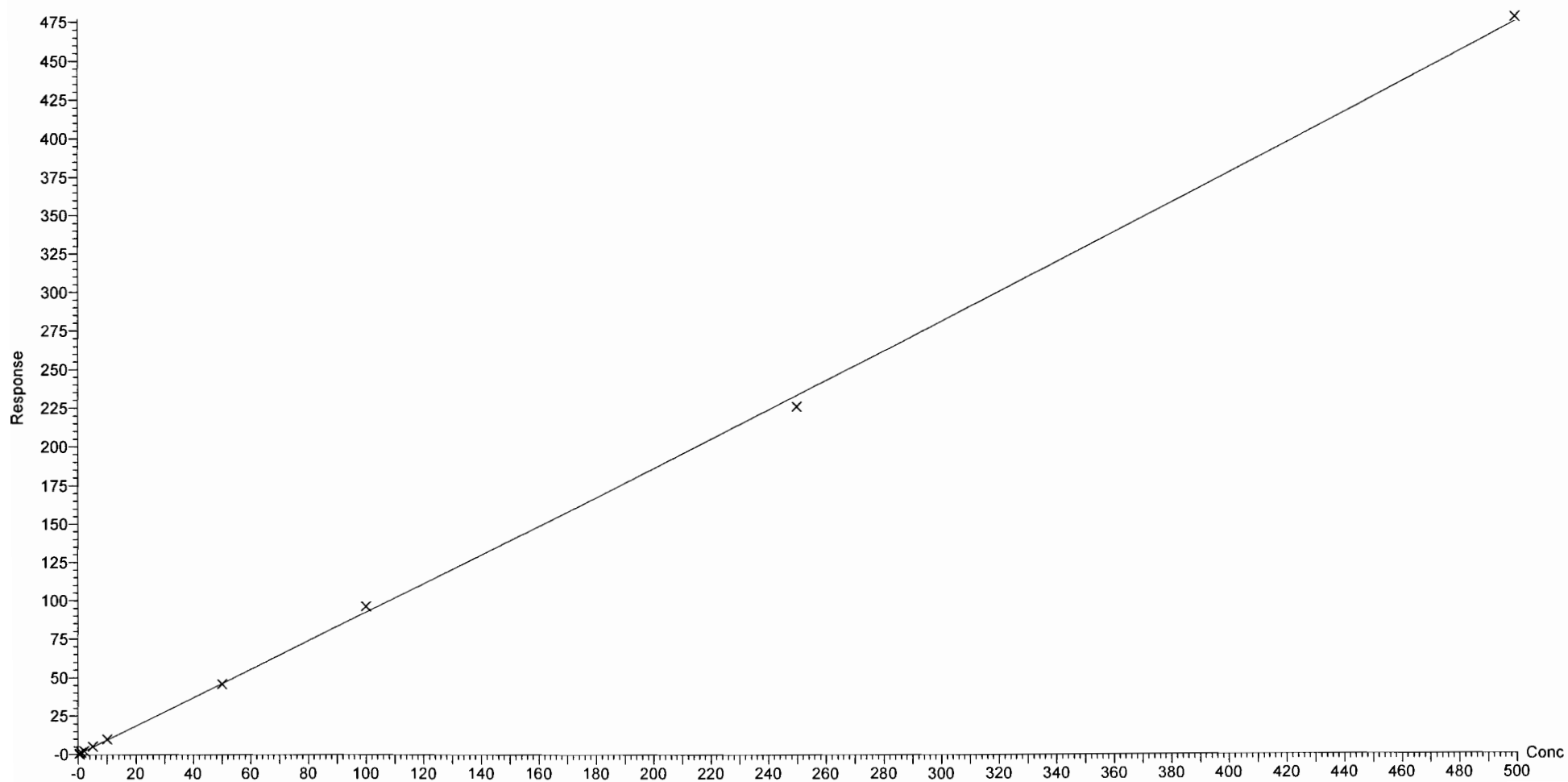
Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999436$

Calibration curve: $6.27995e-005 * x^2 + 0.916228 * x + 0.176872$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

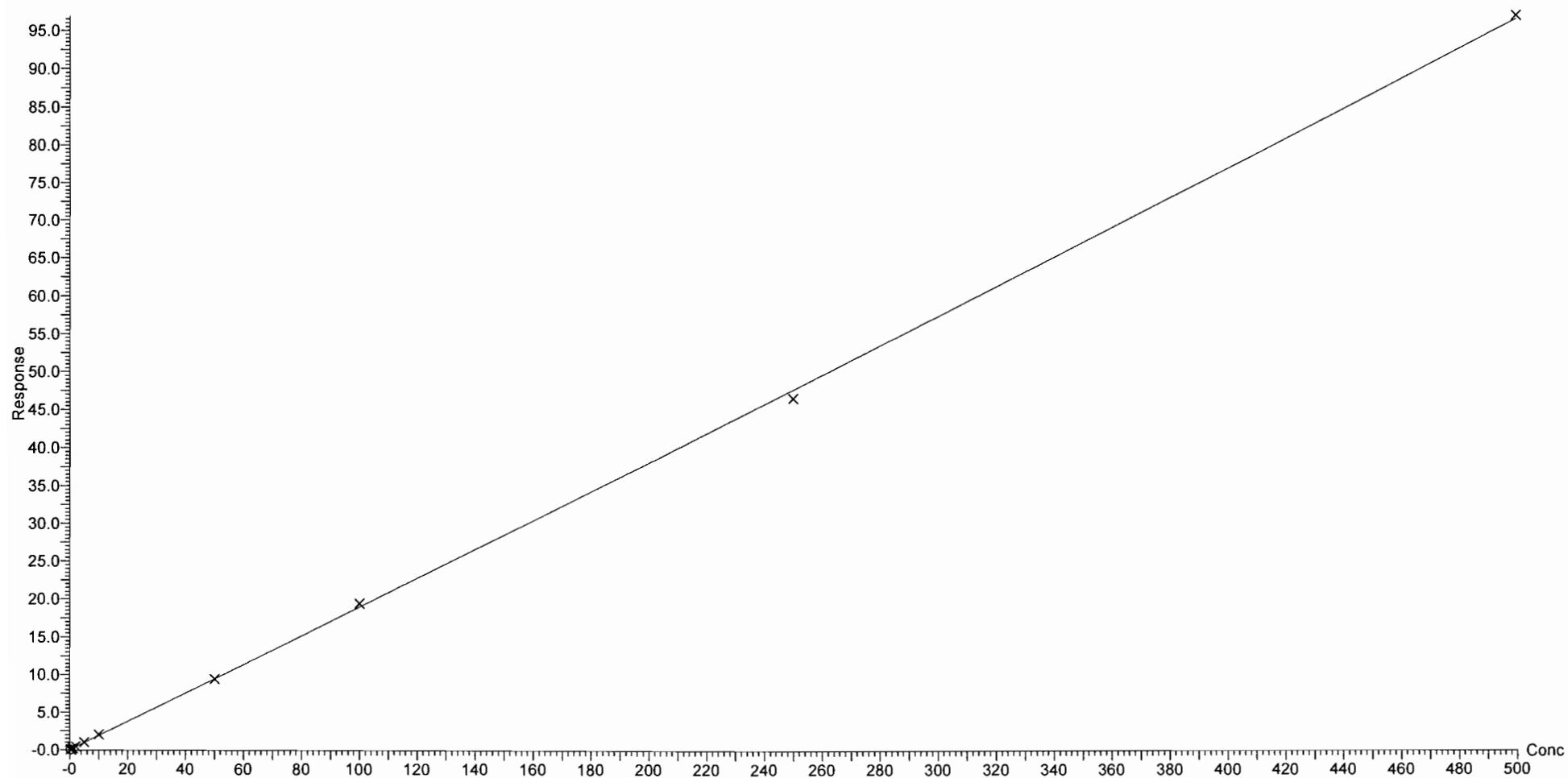
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999610$

Calibration curve: $8.18414e-006 * x^2 + 0.188691 * x + 0.0131736$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

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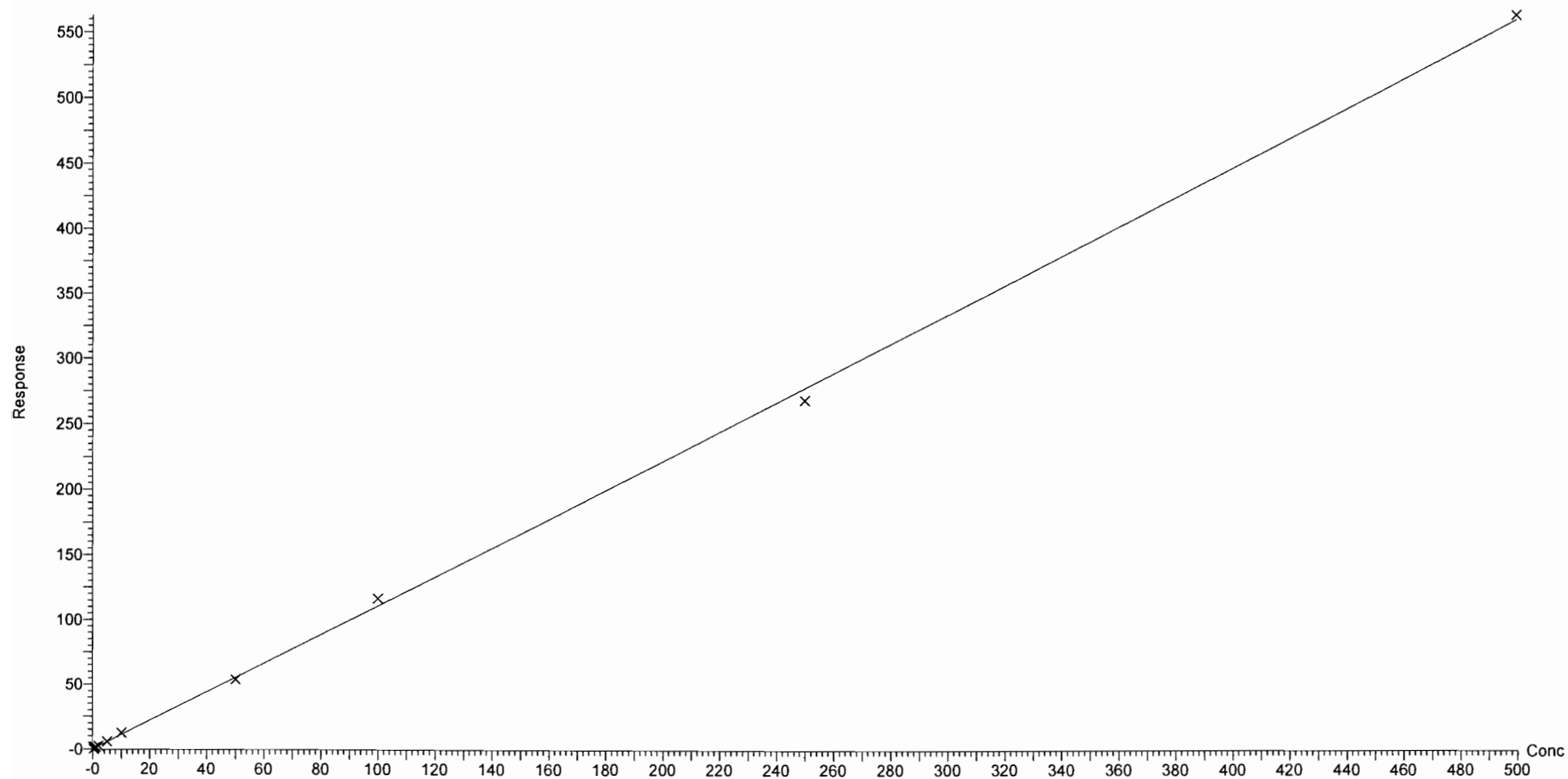
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999142$

Calibration curve: $2.75617e-005 * x^2 + 1.10441 * x + 0.0588505$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

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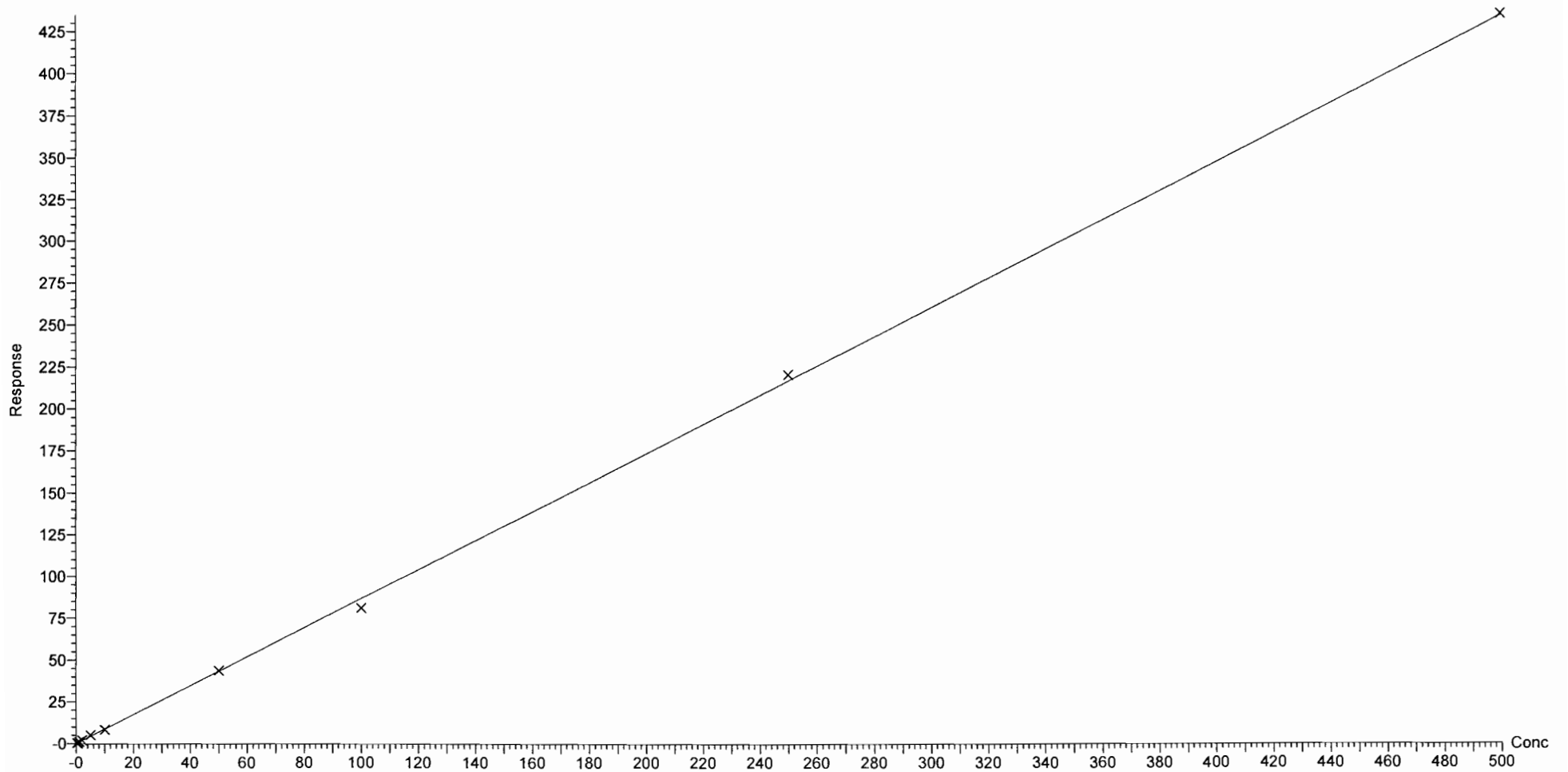
Compound name: PFOSA

Correlation coefficient: $r = 0.999571$, $r^2 = 0.999141$

Calibration curve: $0.867515 * x + 0.0562284$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

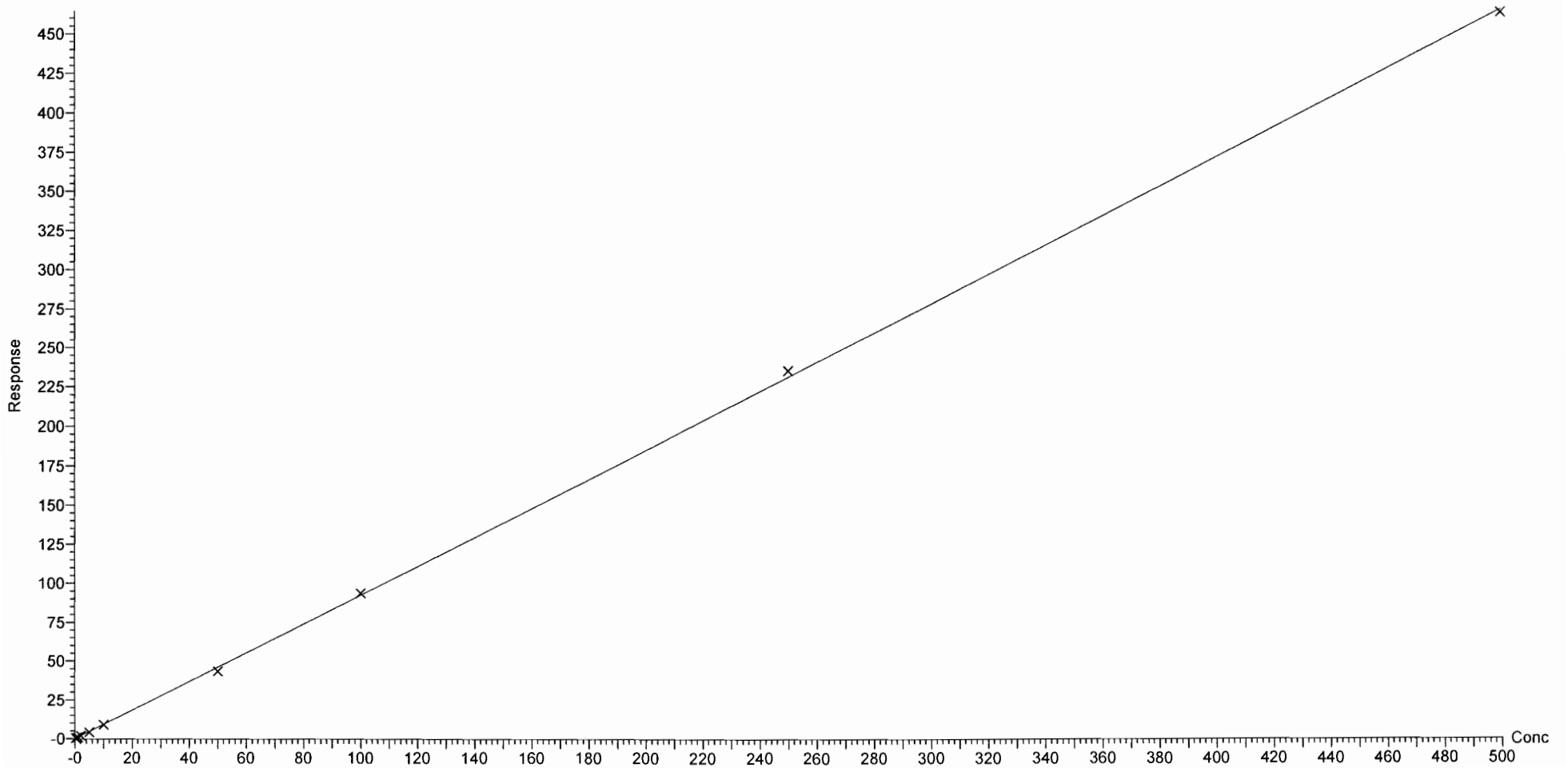
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time
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Compound name: L-PFOS
Coefficient of Determination: $R^2 = 0.999615$
Calibration curve: $1.45277e-005 * x^2 + 0.921701 * x + -0.0387386$
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

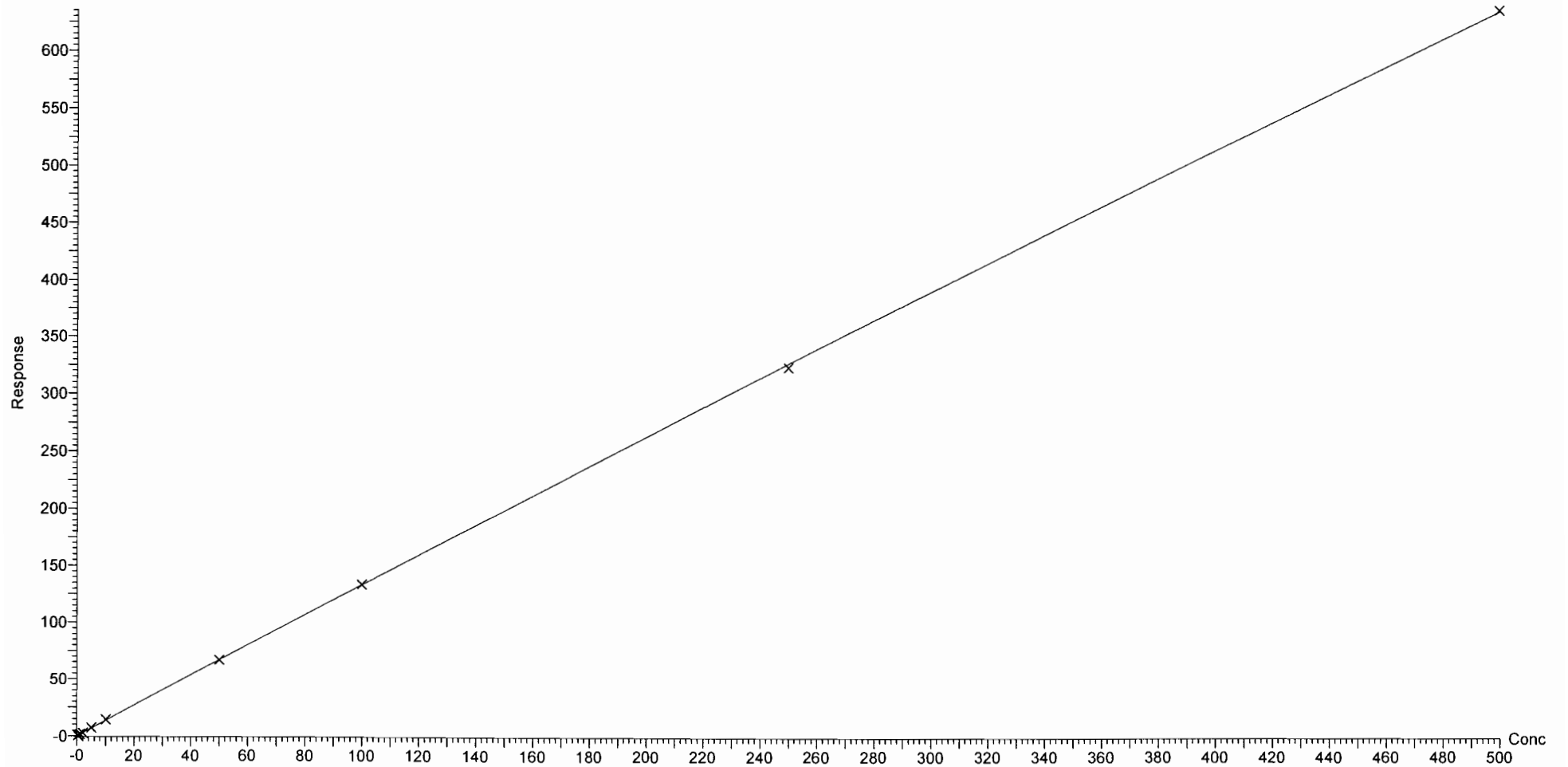
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999873$

Calibration curve: $-0.000161288 * x^2 + 1.34824 * x + 0.13519$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

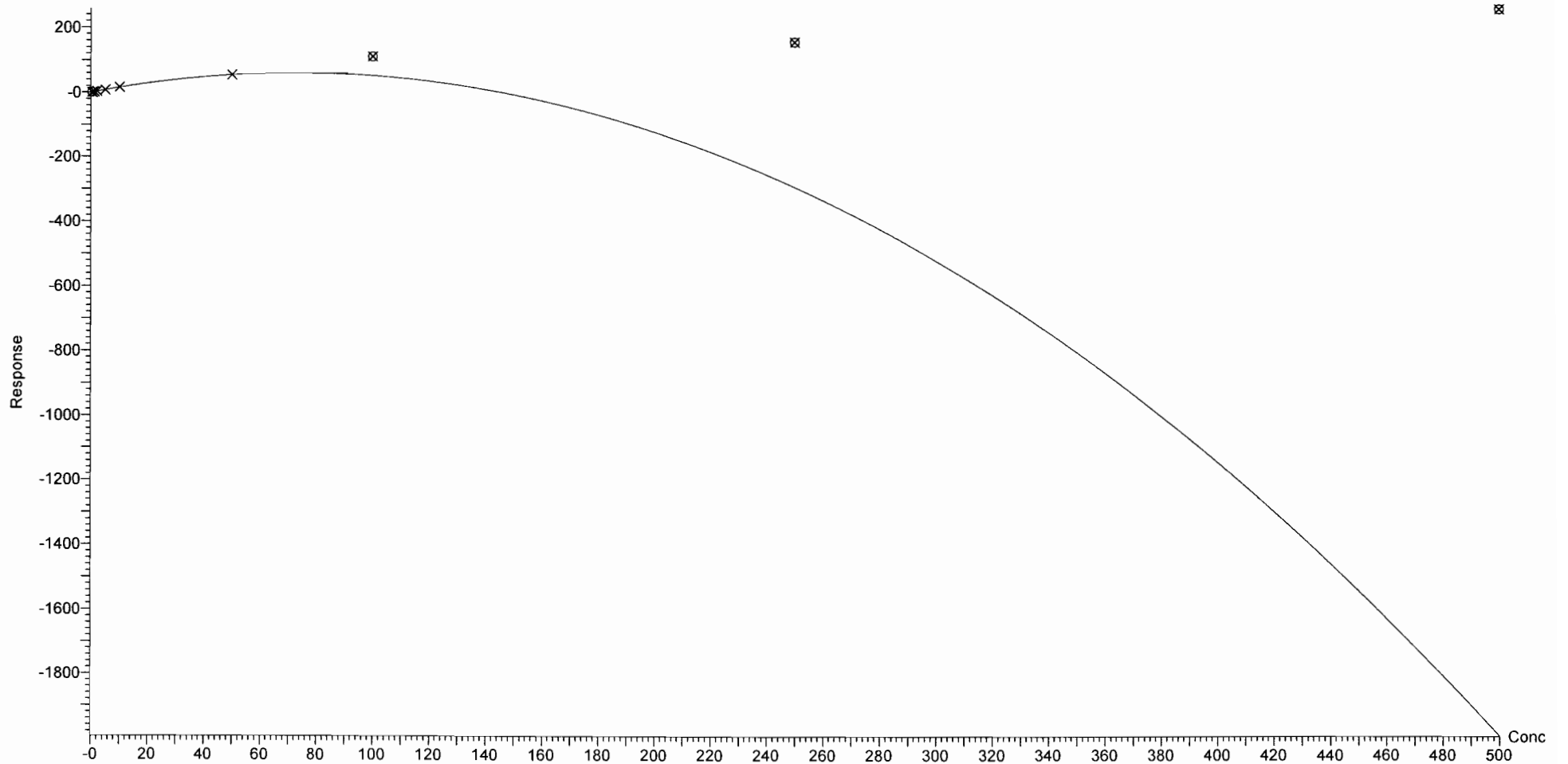
Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.996702$

Calibration curve: $-0.0112879 * x^2 + 1.65569 * x + -0.170993$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

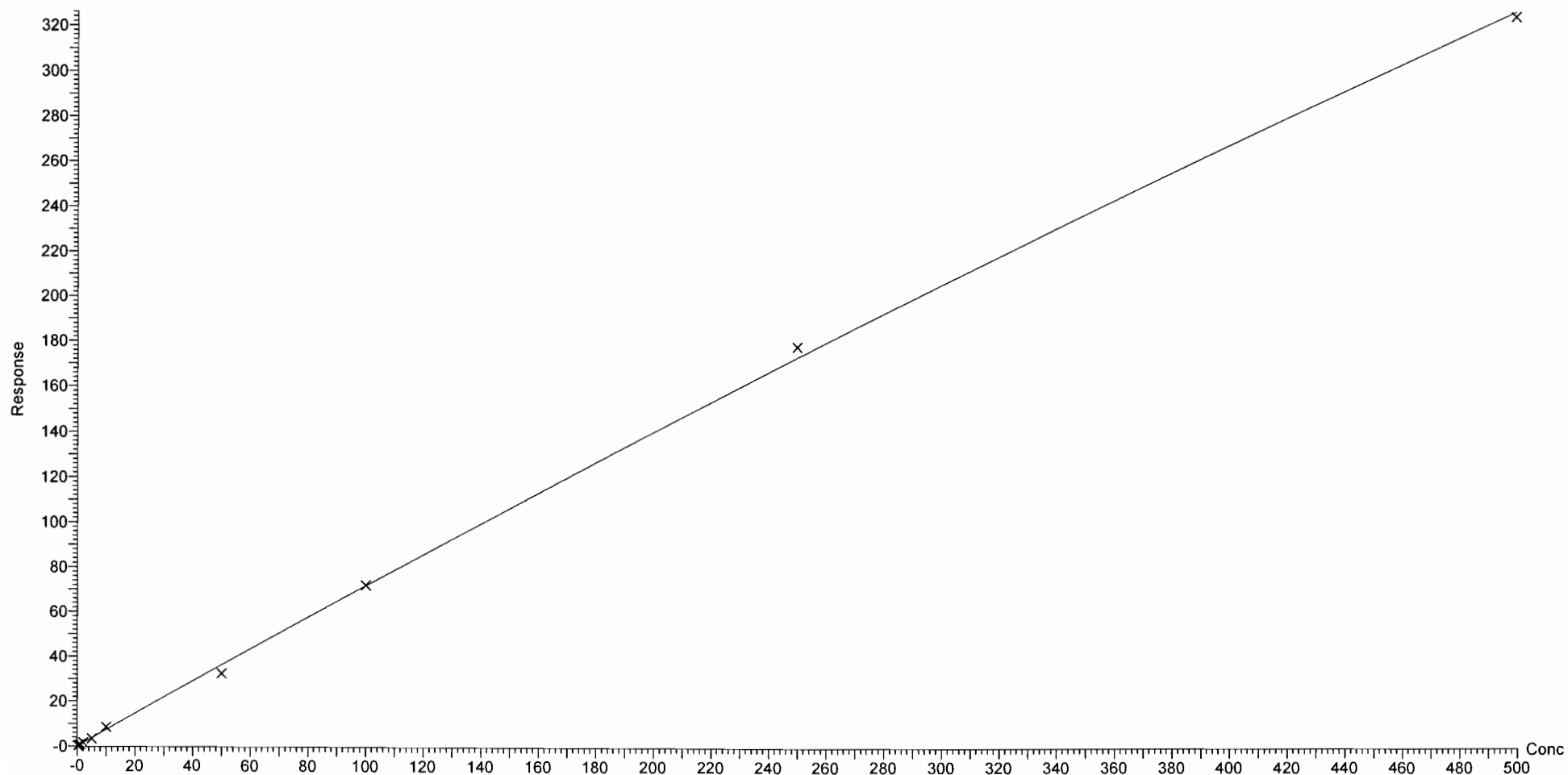
Compound name: PFNS

Coefficient of Determination: $R^2 = 0.998586$

Calibration curve: $-0.000162611 * x^2 + 0.733333 * x + 0.0140134$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

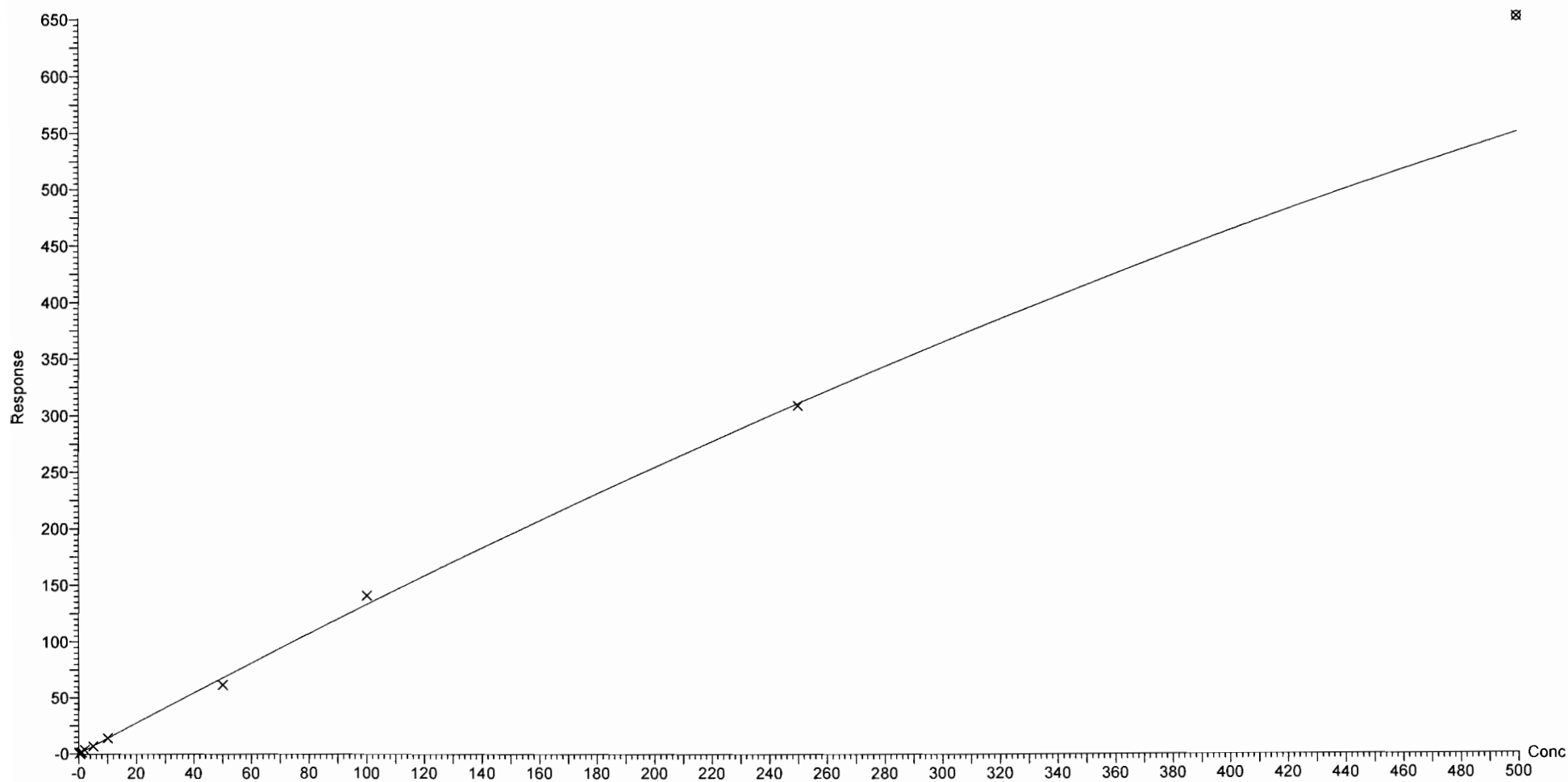
Compound name: N-MeFOSAA

Coefficient of Determination: $R^2 = 0.997438$

Calibration curve: $-0.000577705 * x^2 + 1.38797 * x + 0.00477564$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

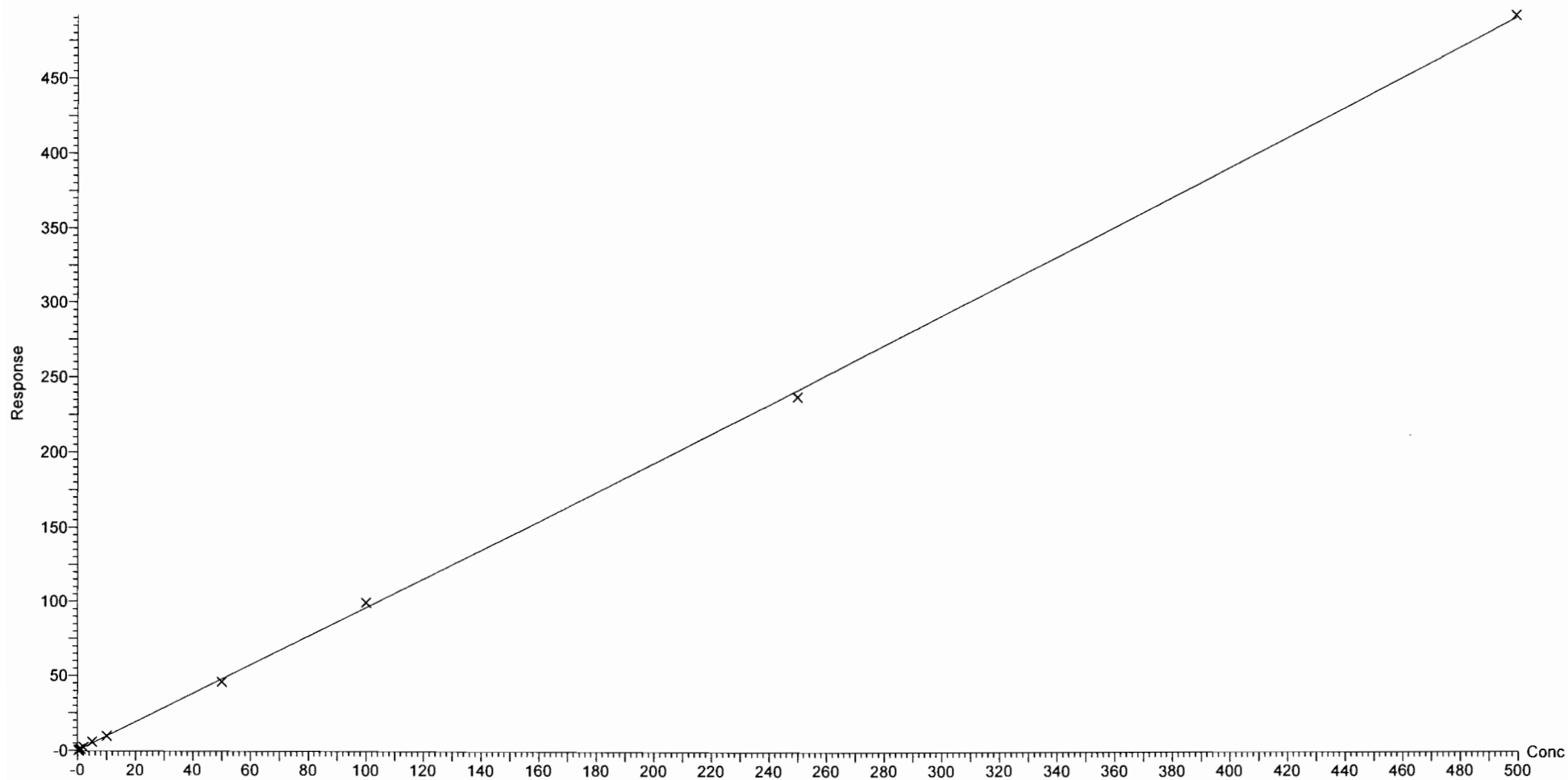


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

Compound name: N-EtFOSAA
Coefficient of Determination: $R^2 = 0.999426$
Calibration curve: $4.94099e-005 * x^2 + 0.955467 * x + 0.0391962$
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

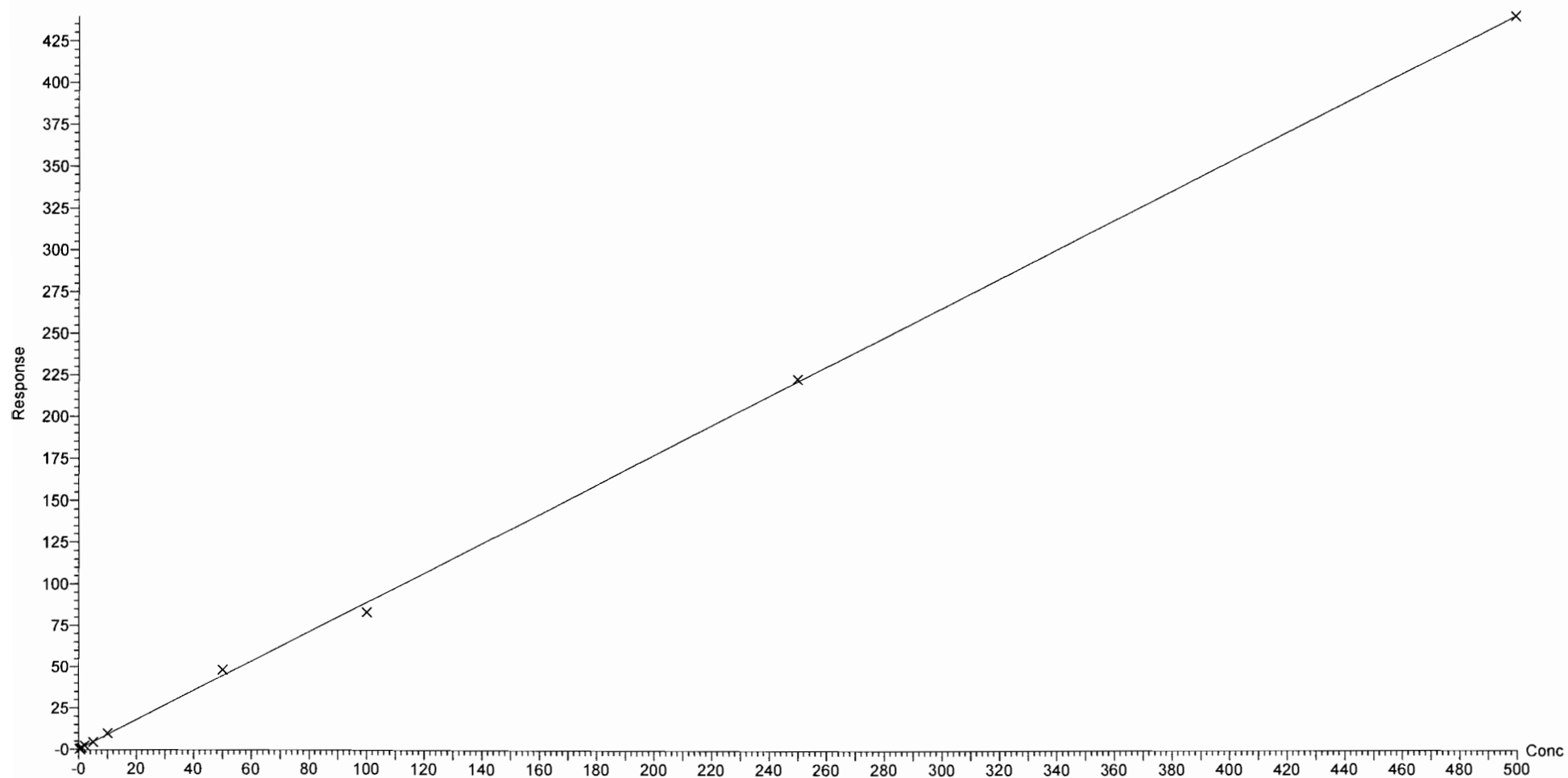
Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.998951$

Calibration curve: $-2.59326e-005 * x^2 + 0.891719 * x + 0.192974$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

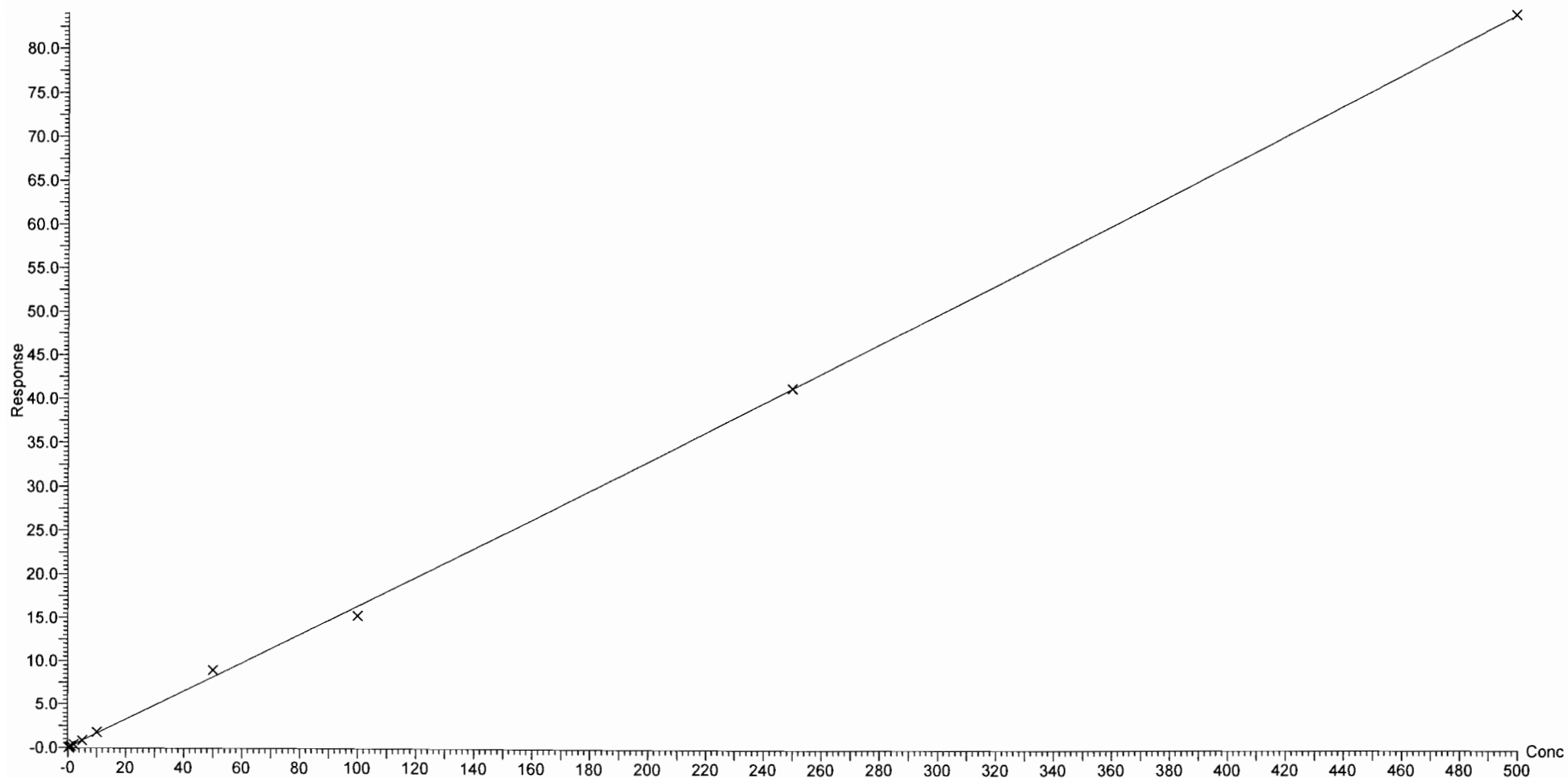
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.998874$

Calibration curve: $9.9788e-006 * x^2 + 0.162877 * x + 0.00191573$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

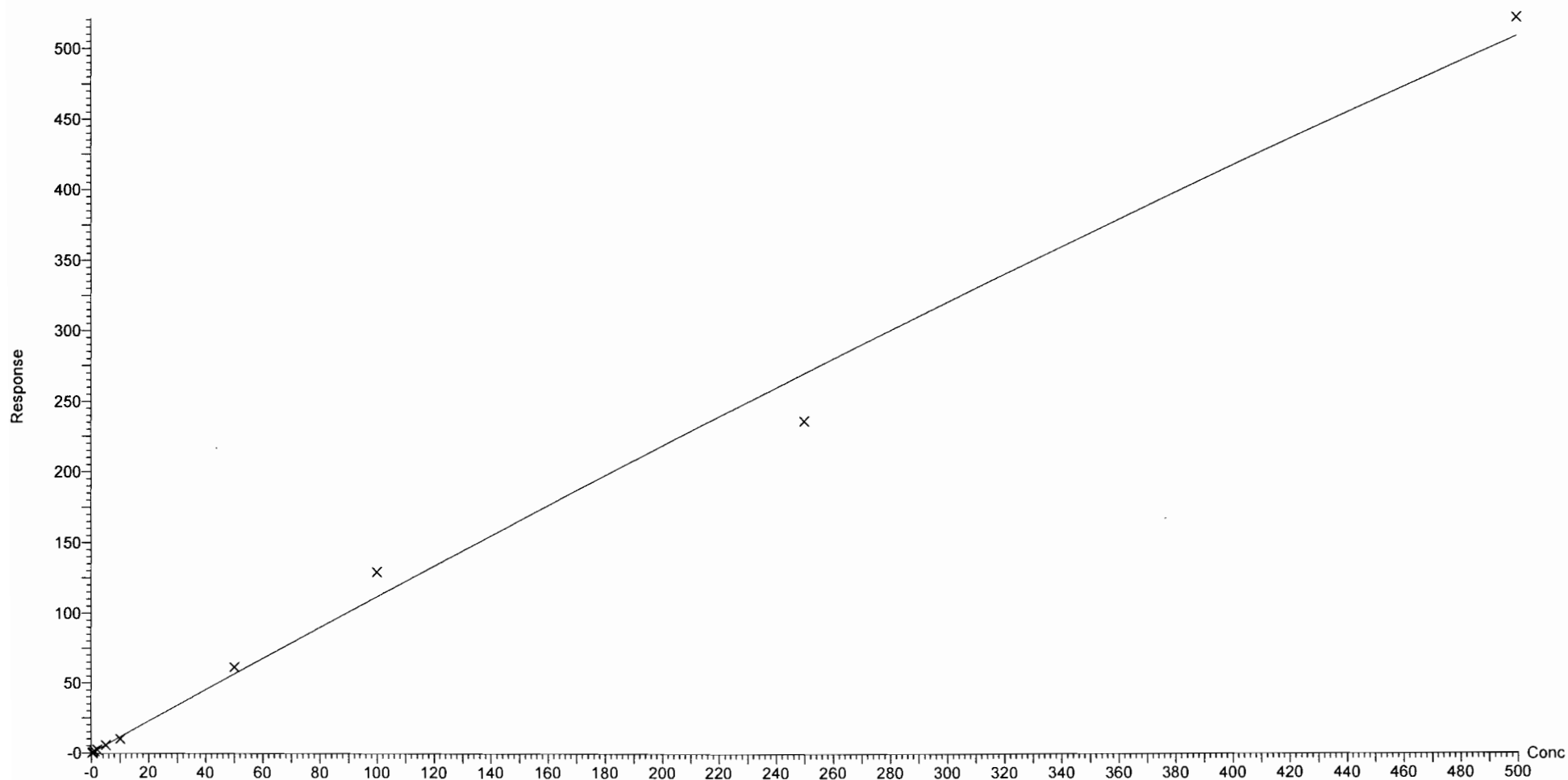
Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.991426$

Calibration curve: $-0.000256095 * x^2 + 1.14407 * x + -0.0264185$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

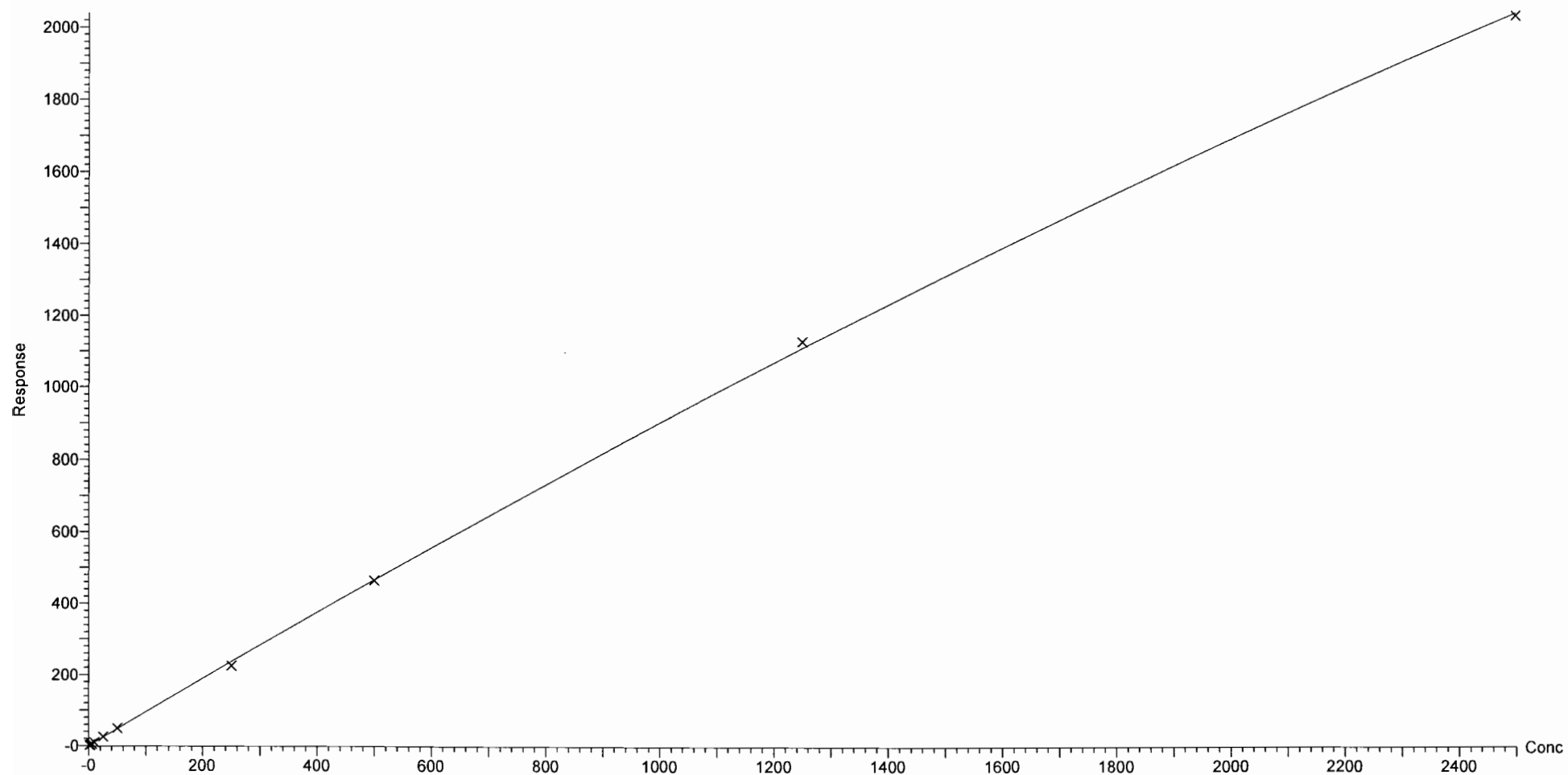


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

Compound name: N-MeFOSA
Coefficient of Determination: $R^2 = 0.999722$
Calibration curve: $-5.84191e-005 * x^2 + 0.961673 * x + 0.0760501$
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

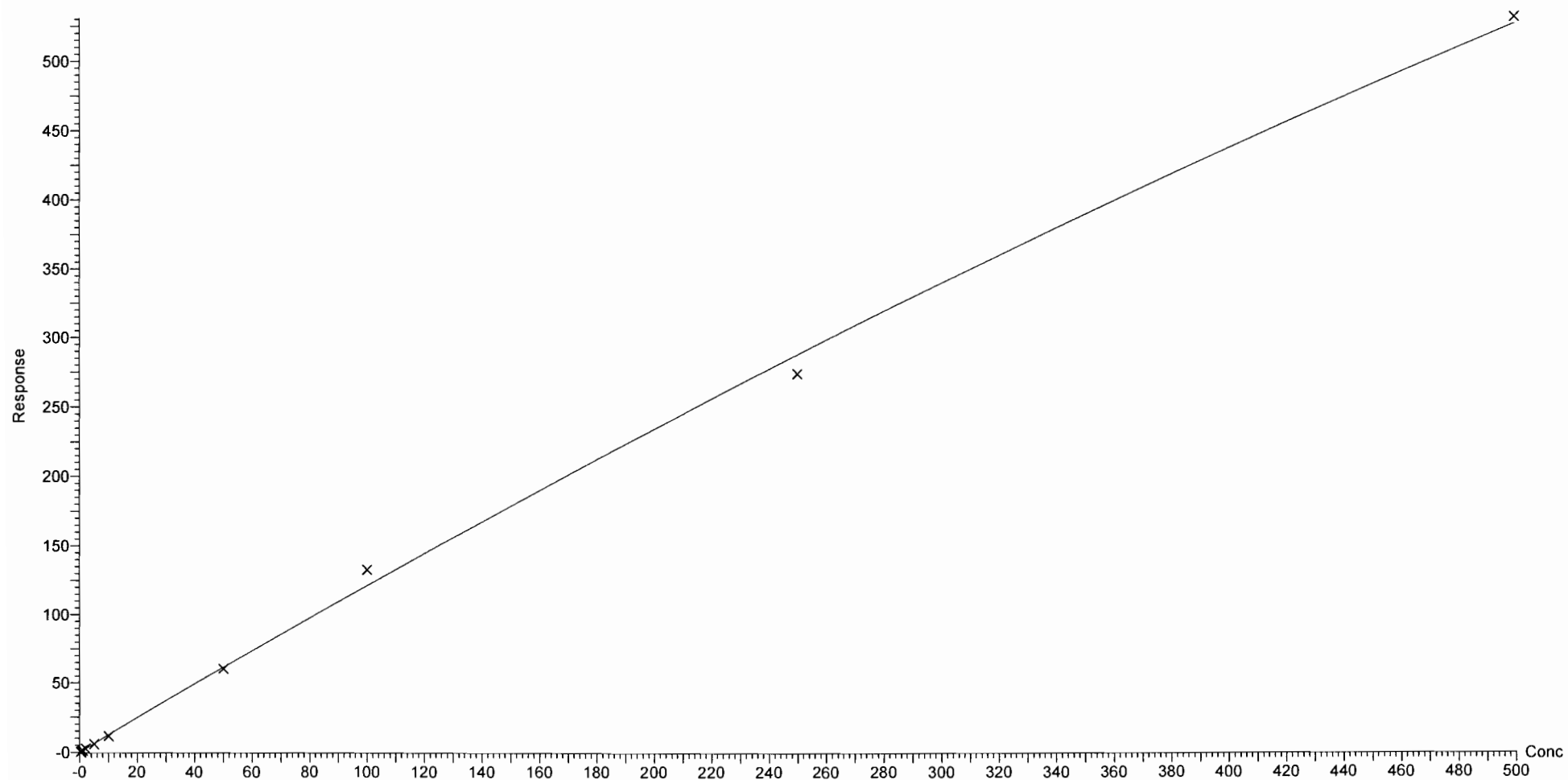
Compound name: PFTrDA

Coefficient of Determination: $R^2 = 0.997929$

Calibration curve: $-0.000399326 * x^2 + 1.2515 * x + 0.00441874$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

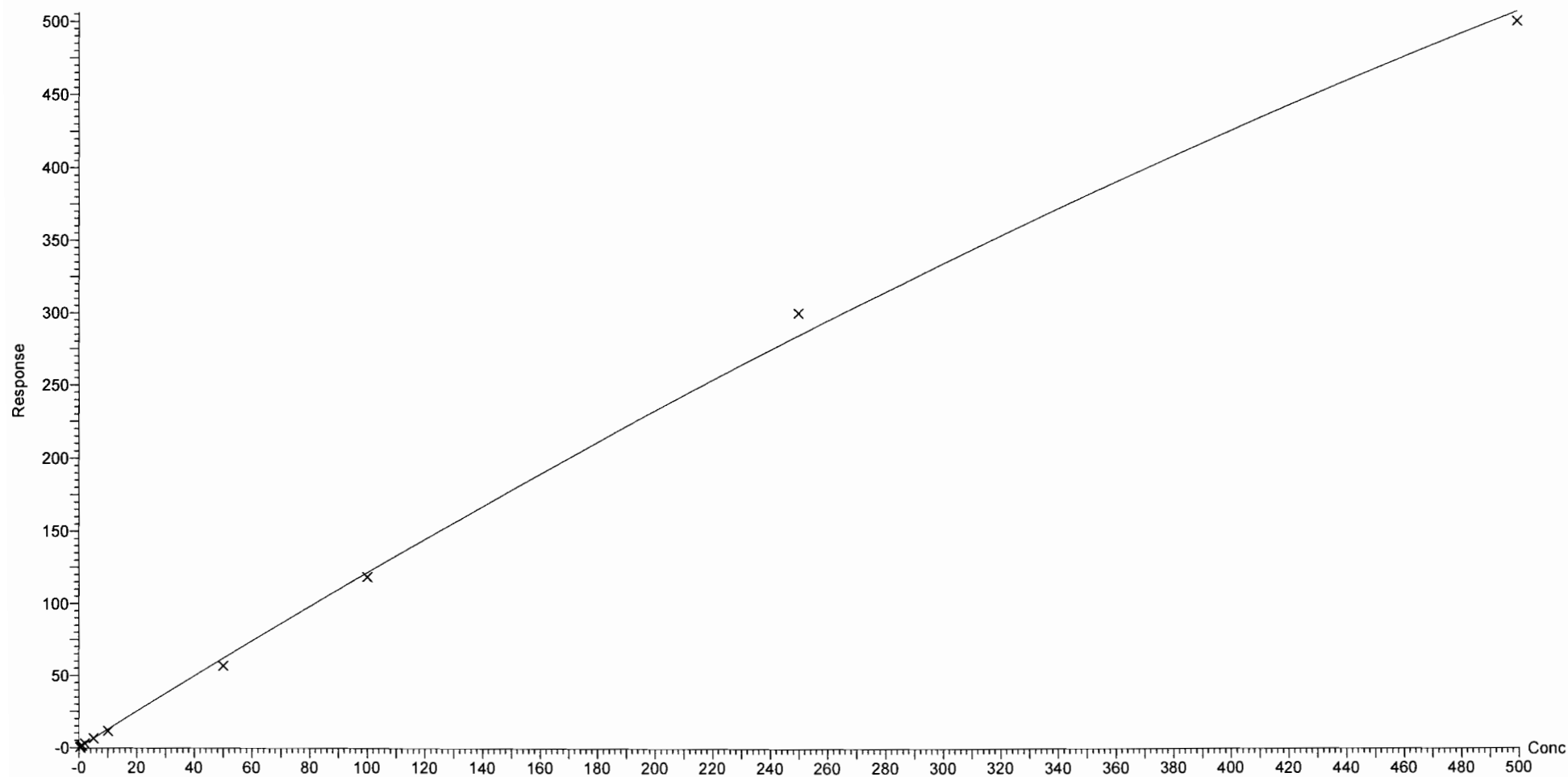
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.998227$

Calibration curve: $-0.000502566 * x^2 + 1.26328 * x + 0.0987344$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

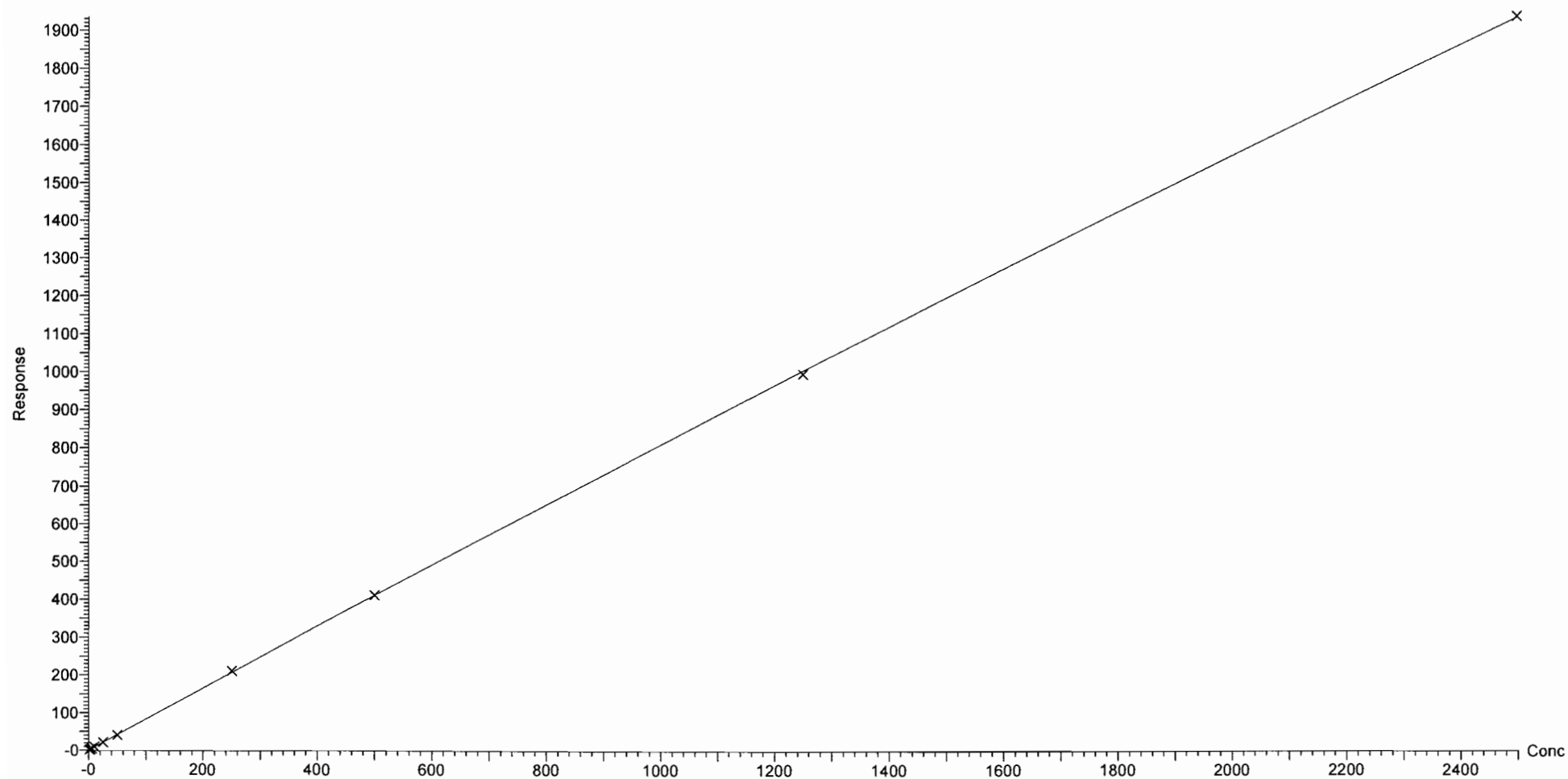
Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999900$

Calibration curve: $-2.46587e-005 * x^2 + 0.83429 * x + 0.243182$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

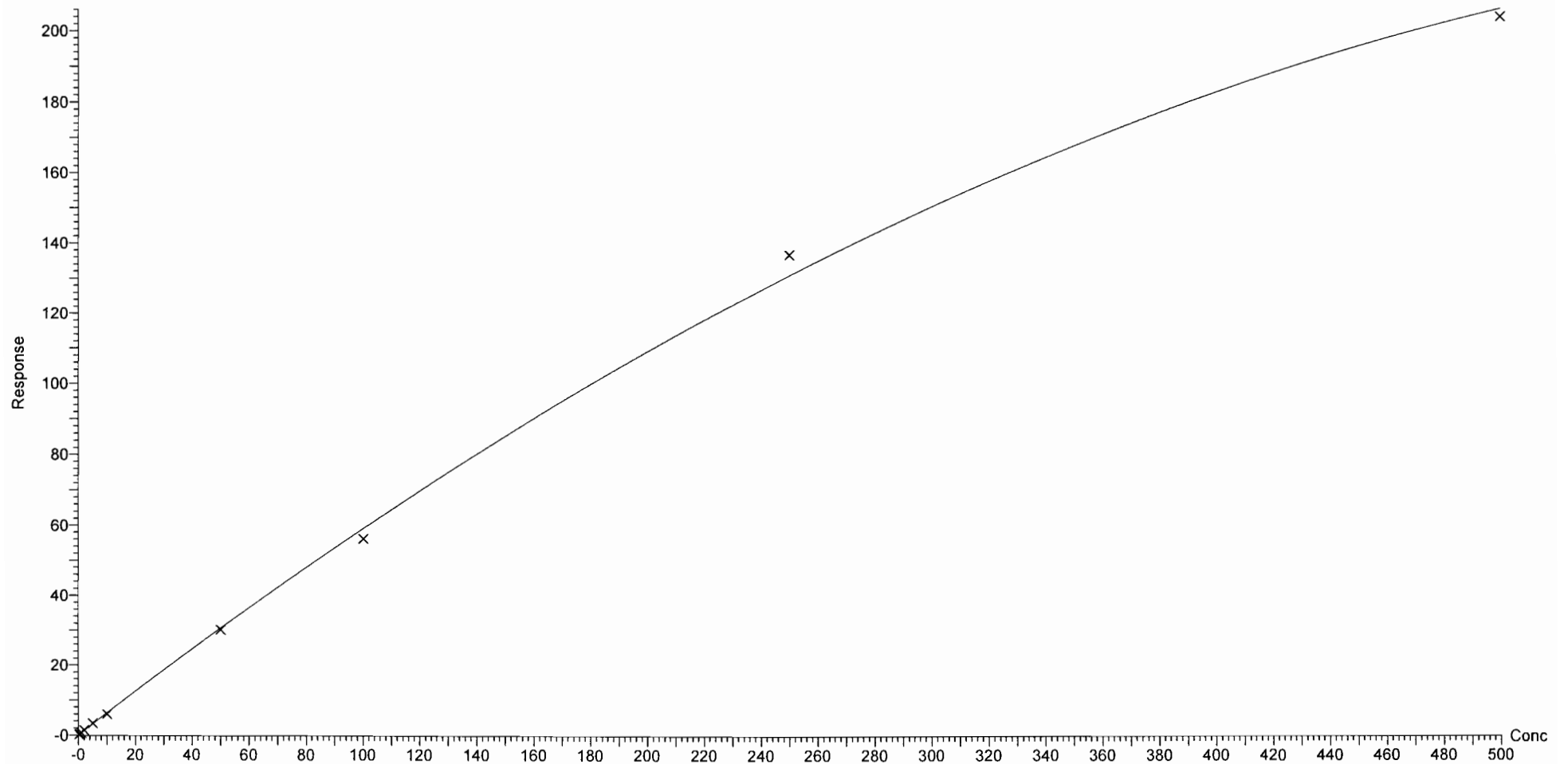
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.998781$

Calibration curve: $-0.000445952 * x^2 + 0.634979 * x + 0.013847$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

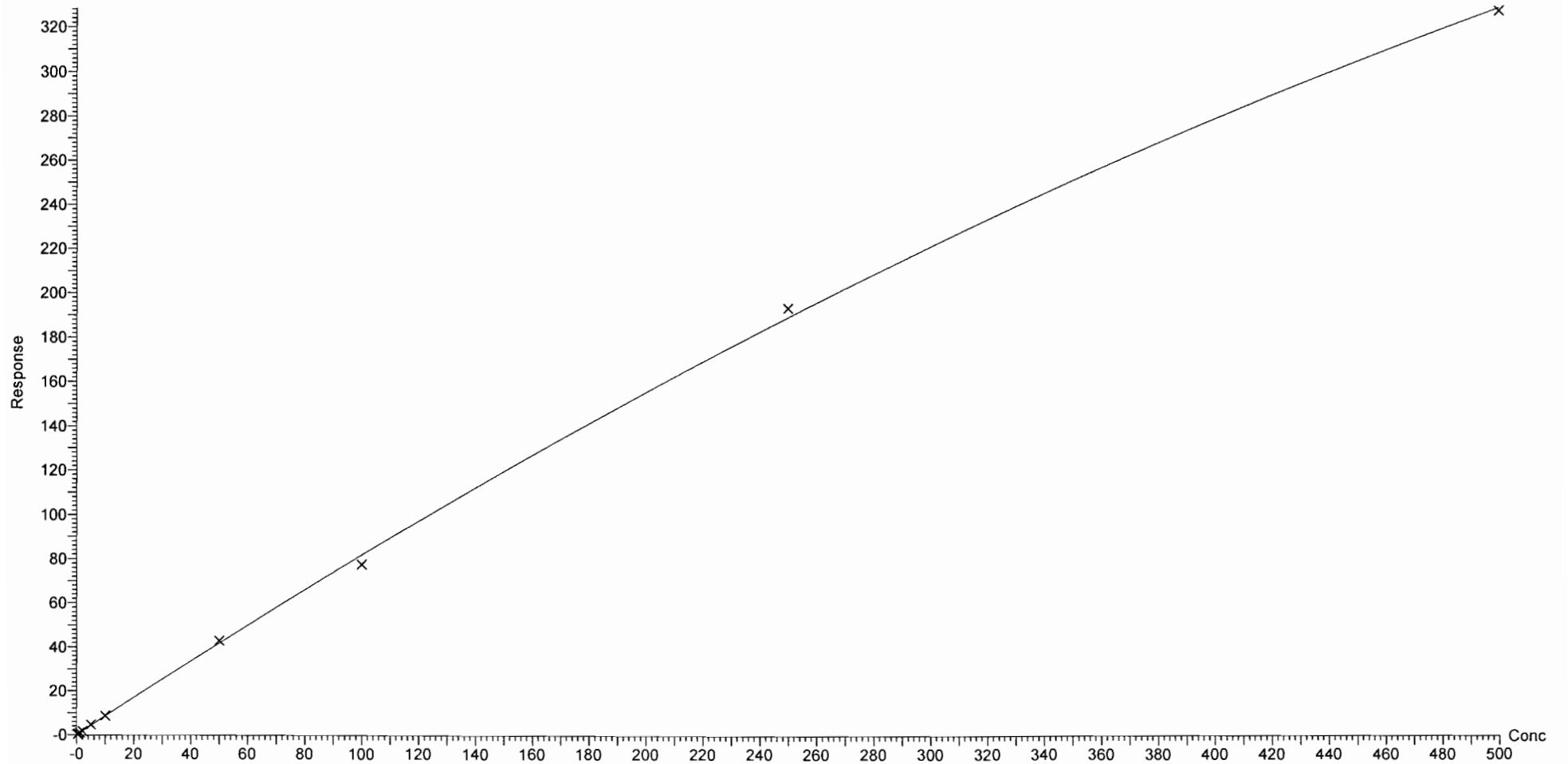
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.999379$

Calibration curve: $-0.000402091 * x^2 + 0.857419 * x + 0.00141622$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

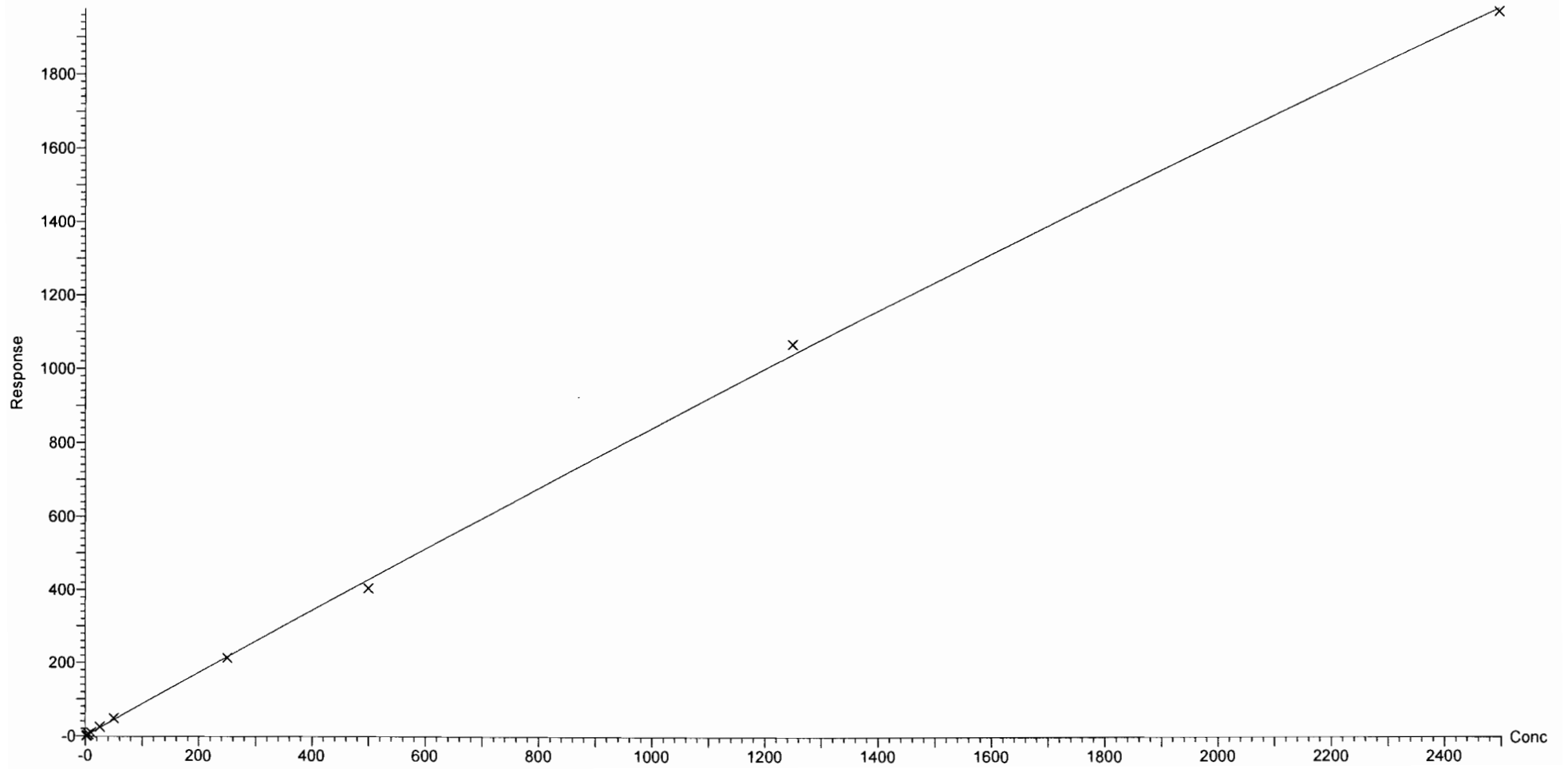


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:24:24 Pacific Daylight Time

Compound name: N-MeFOSE
Coefficient of Determination: $R^2 = 0.999161$
Calibration curve: $-3.29114e-005 * x^2 + 0.872605 * x + -0.0450007$
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

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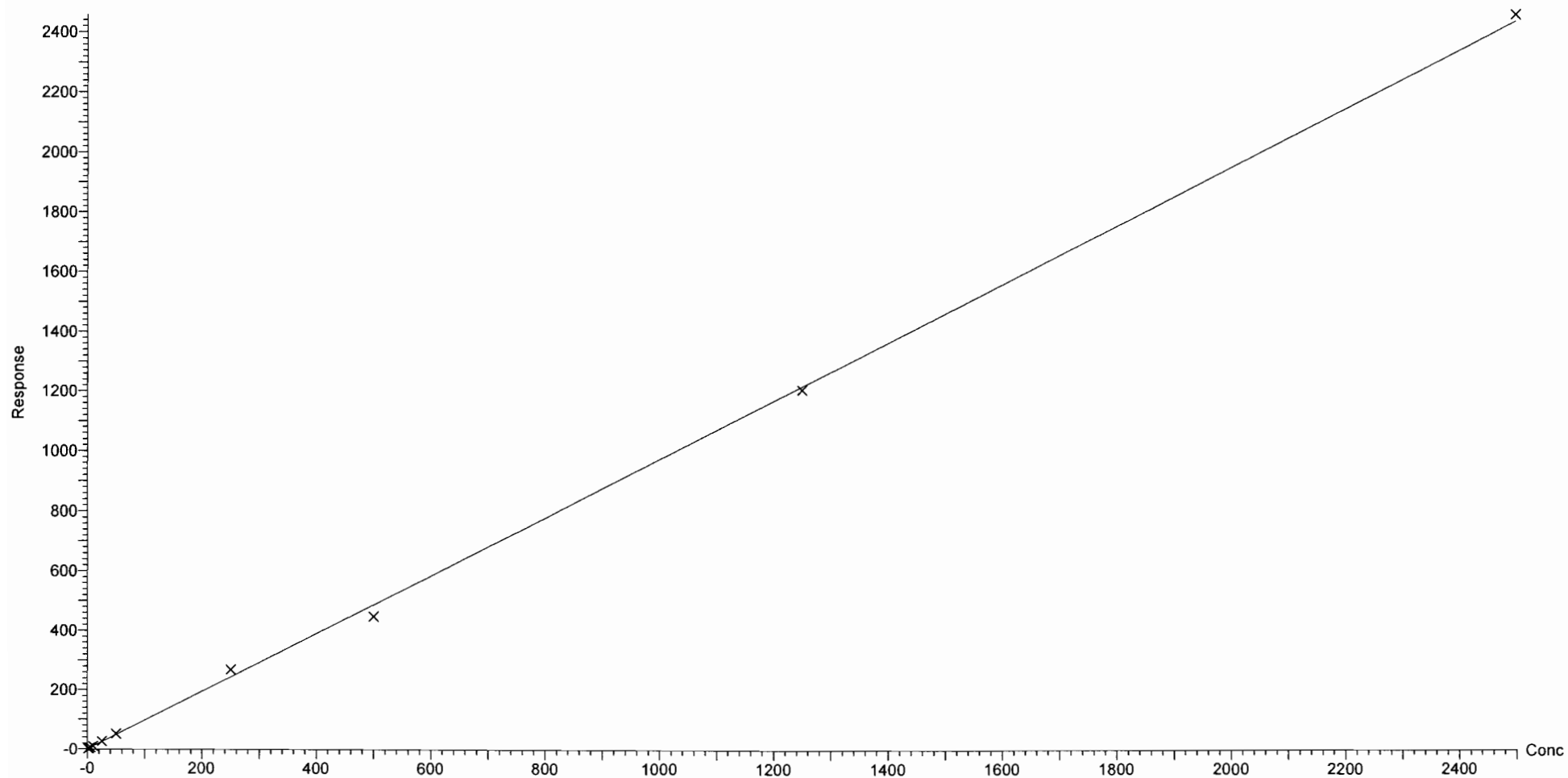
Compound name: N-EtFOSE

Correlation coefficient: $r = 0.999298$, $r^2 = 0.998596$

Calibration curve: $0.973711 * x + 0.208223$

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

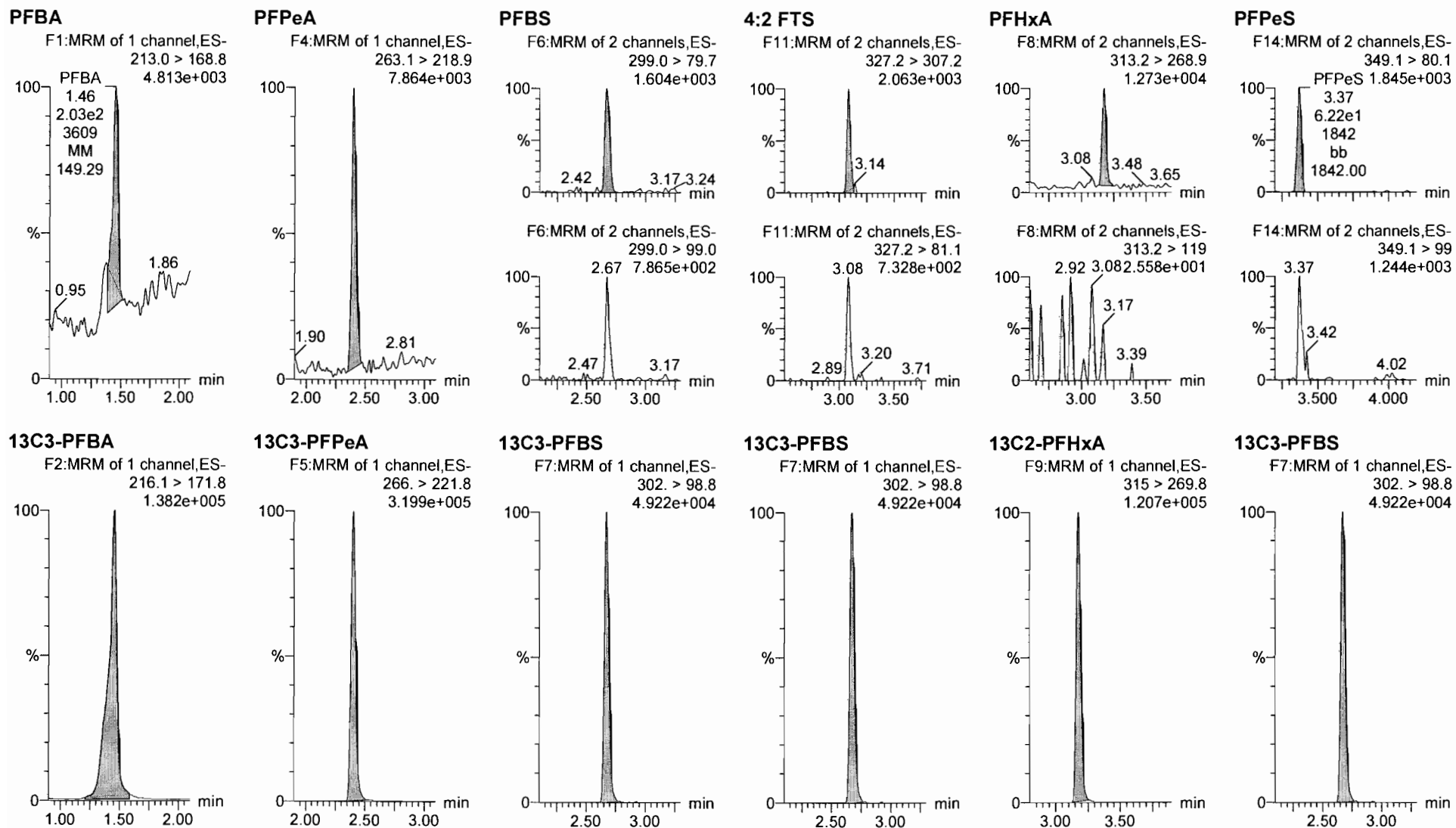


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

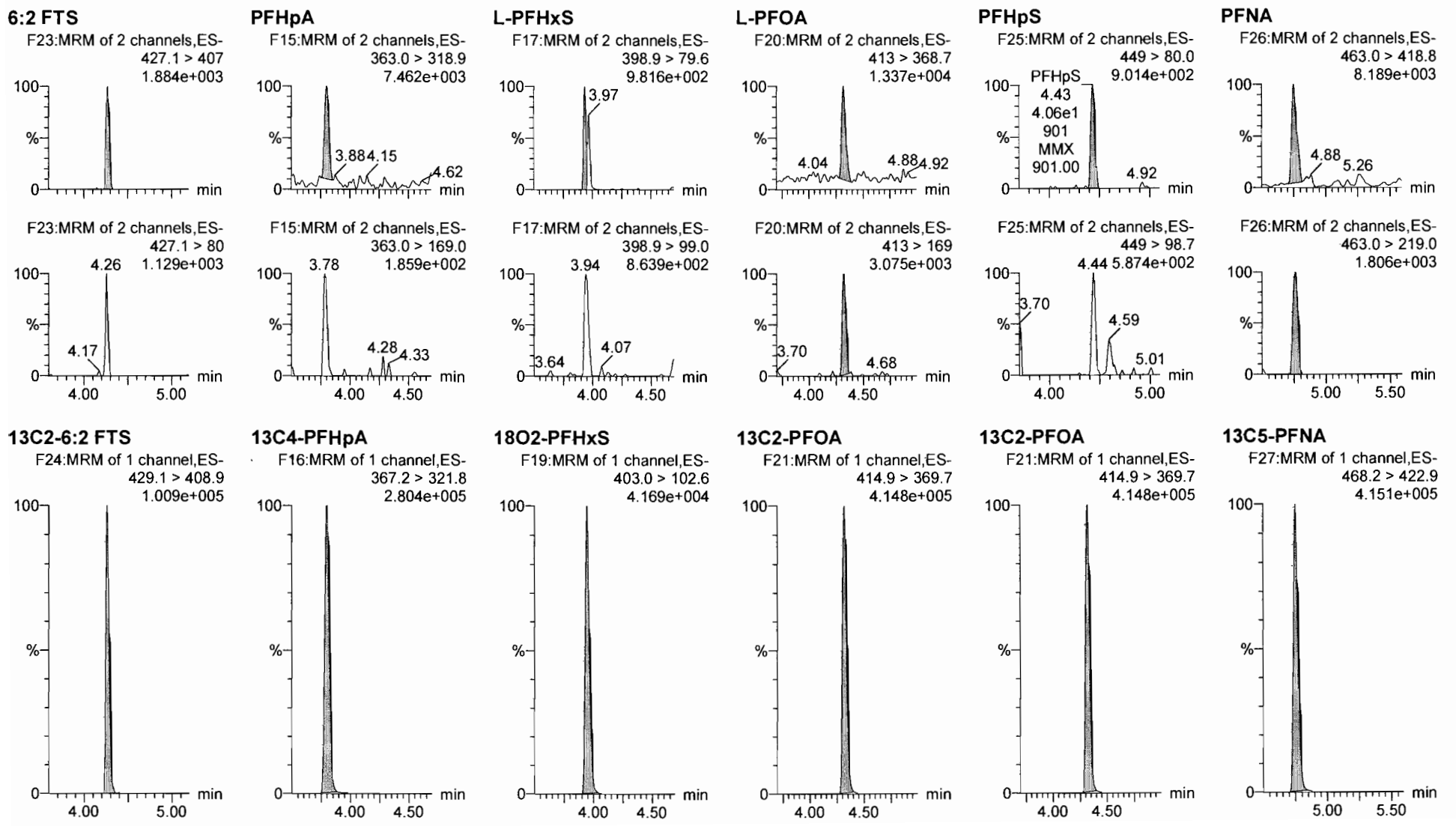
Name: 180419M2_2, Date: 19-Apr-2018, Time: 20:01:14, ID: ST180419M2-1 PFC CS-2 18D1702, Description: PFC CS-2 18D1702



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_2, Date: 19-Apr-2018, Time: 20:01:14, ID: ST180419M2-1 PFC CS-2 18D1702, Description: PFC CS-2 18D1702



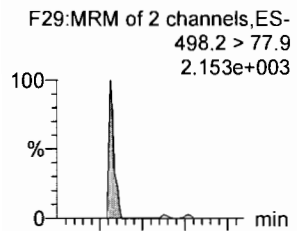
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

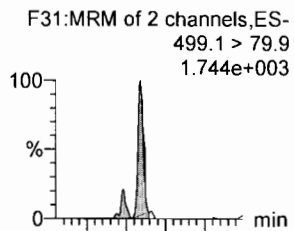
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_2, Date: 19-Apr-2018, Time: 20:01:14, ID: ST180419M2-1 PFC CS-2 18D1702, Description: PFC CS-2 18D1702

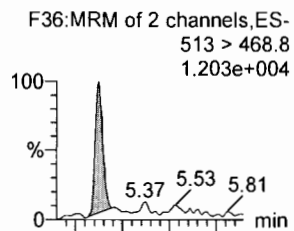
PFOSA



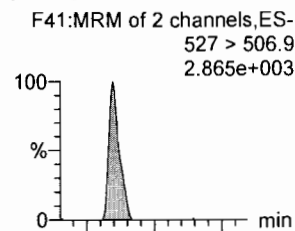
L-PFOS



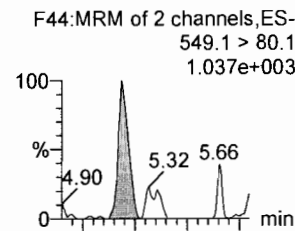
PFDA



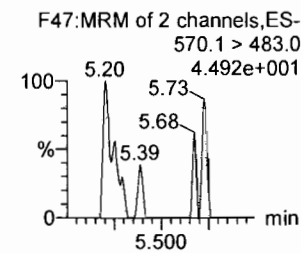
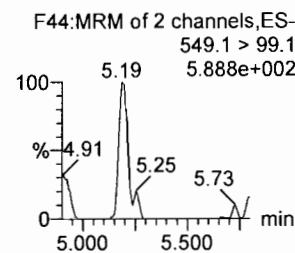
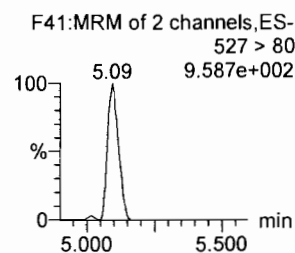
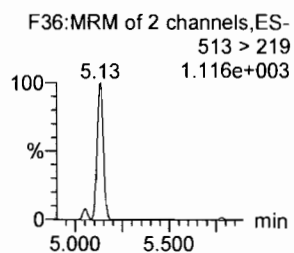
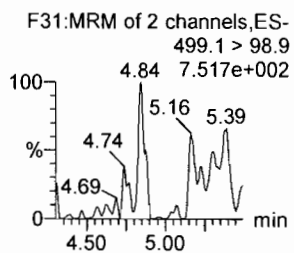
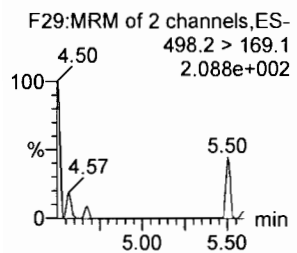
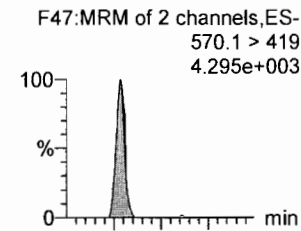
8:2 FTS



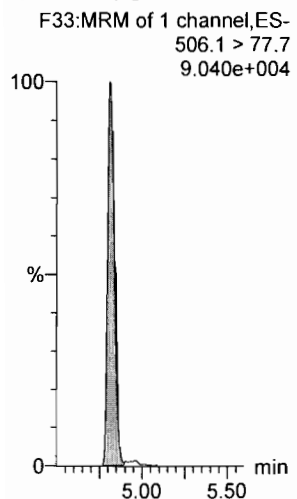
PFNS



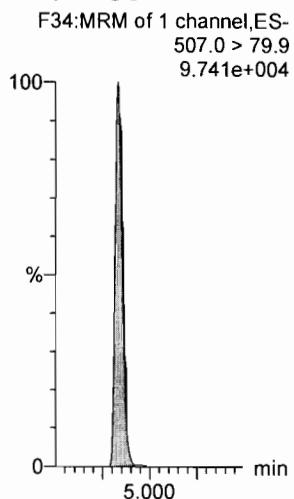
N-MeFOSAA



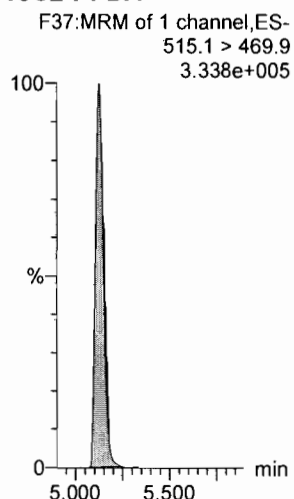
13C8-PFOSA



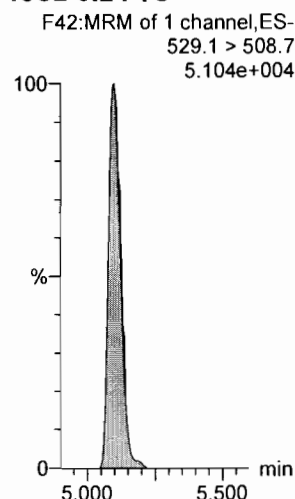
13C8-PFOS



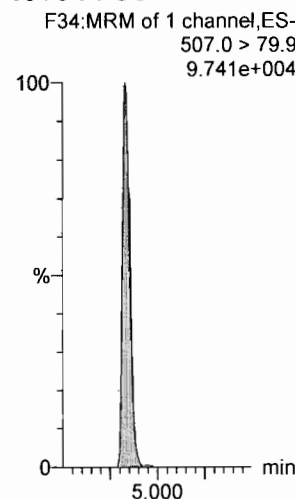
13C2-PFDA



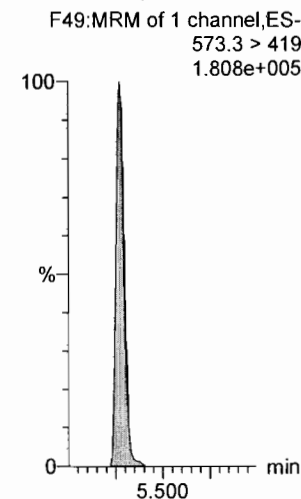
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



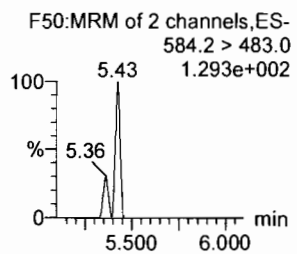
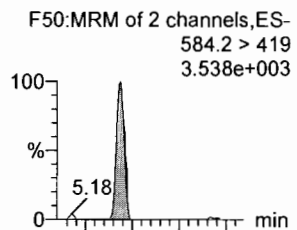
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

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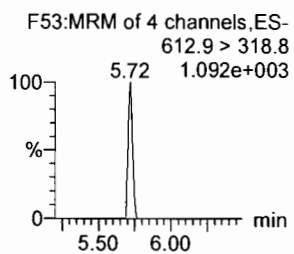
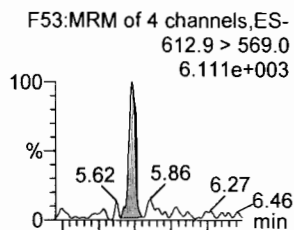
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_2, Date: 19-Apr-2018, Time: 20:01:14, ID: ST180419M2-1 PFC CS-2 18D1702, Description: PFC CS-2 18D1702

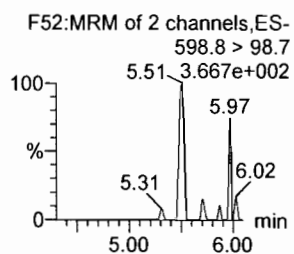
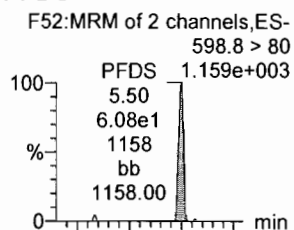
N-EtFOSAA



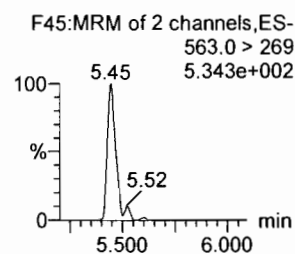
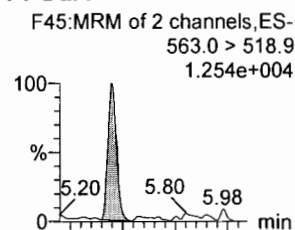
PFDoA



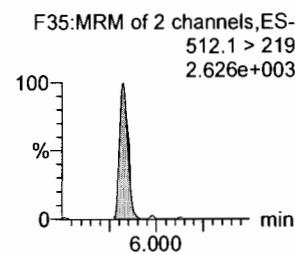
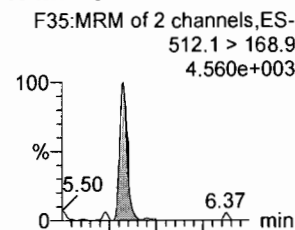
PFDS



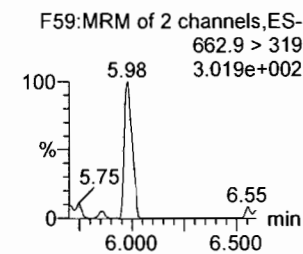
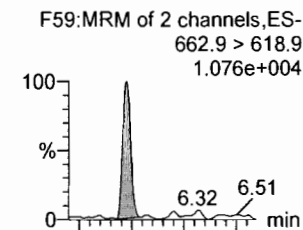
PFUdA



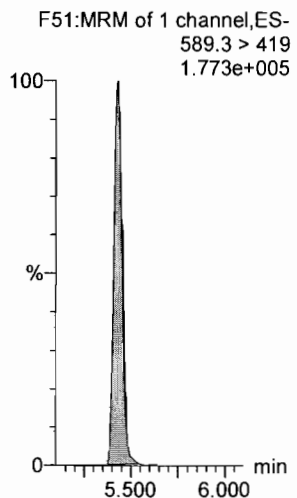
N-MeFOSA



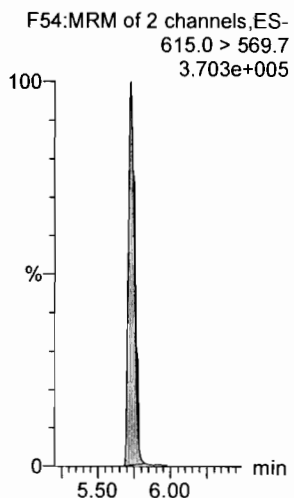
PFTrDA



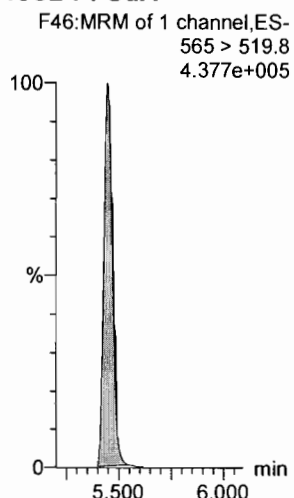
d5-N-EtFOSAA



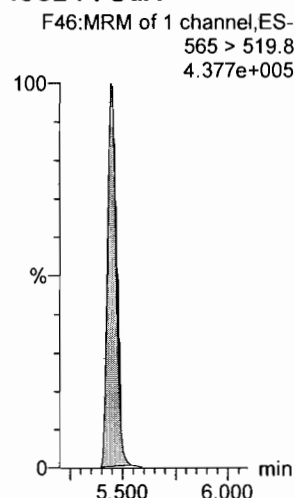
13C2-PFDoA



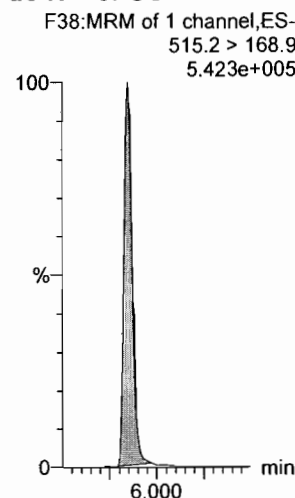
13C2-PFUdA



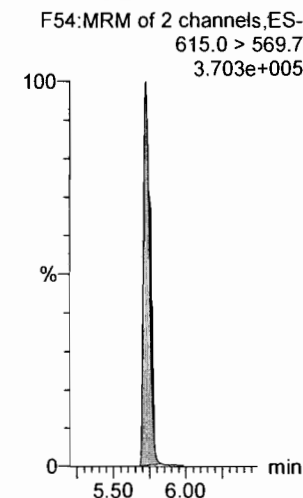
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



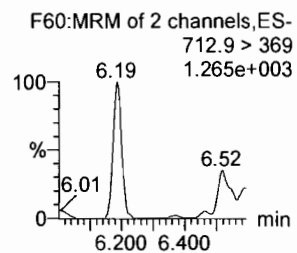
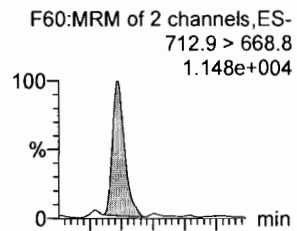
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

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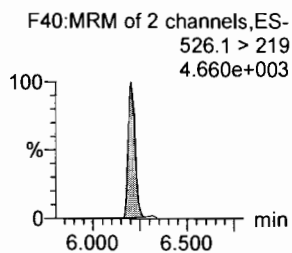
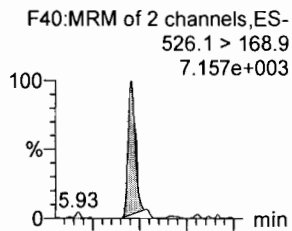
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_2, Date: 19-Apr-2018, Time: 20:01:14, ID: ST180419M2-1 PFC CS-2 18D1702, Description: PFC CS-2 18D1702

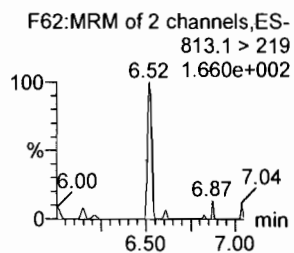
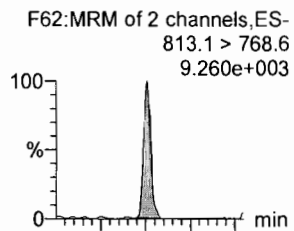
PFTeDA



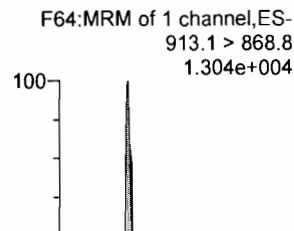
N-EtFOSA



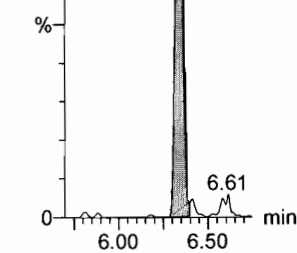
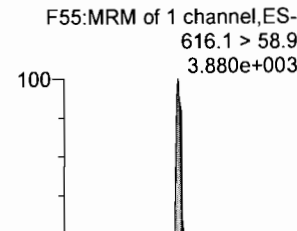
PFHxDA



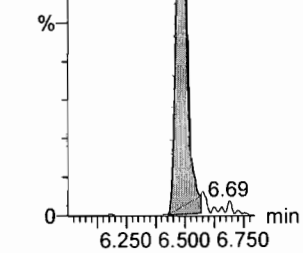
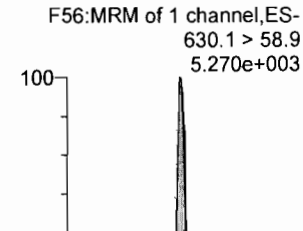
PFODA



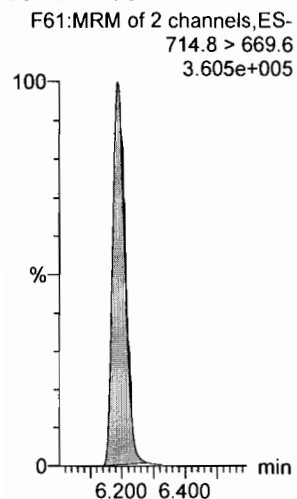
N-MeFOSE



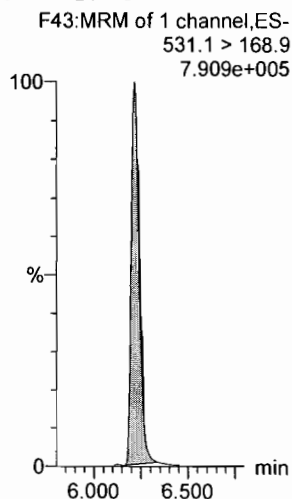
N-EtFOSE



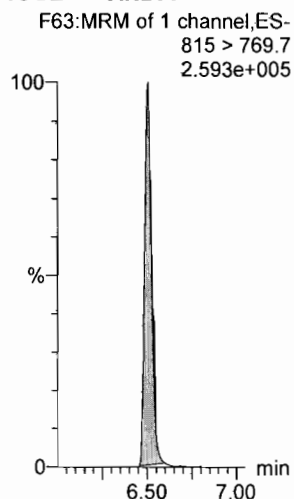
13C2-PFTeDA



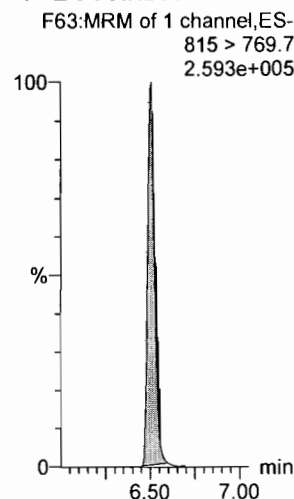
d5-N-ETFOSA



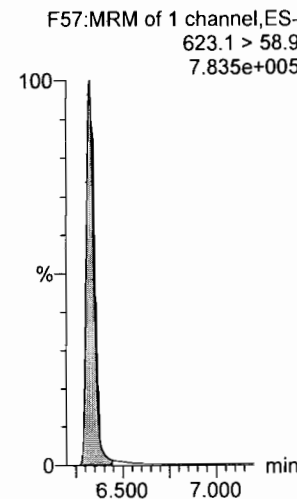
13C2-PFHxDA



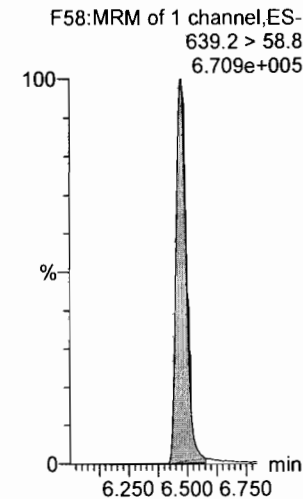
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

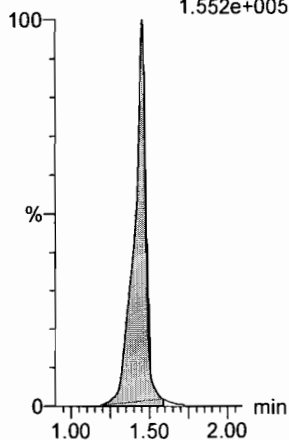
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_2, Date: 19-Apr-2018, Time: 20:01:14, ID: ST180419M2-1 PFC CS-2 18D1702, Description: PFC CS-2 18D1702

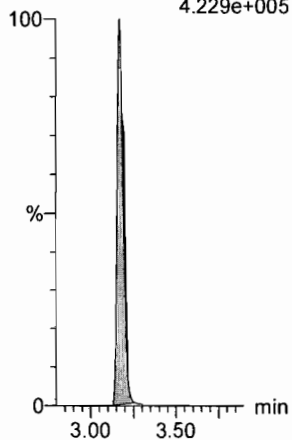
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.552e+005



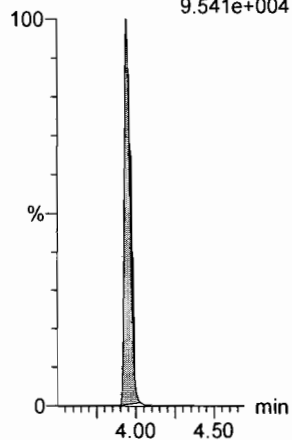
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.229e+005



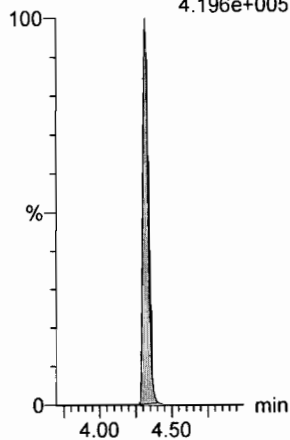
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
9.541e+004



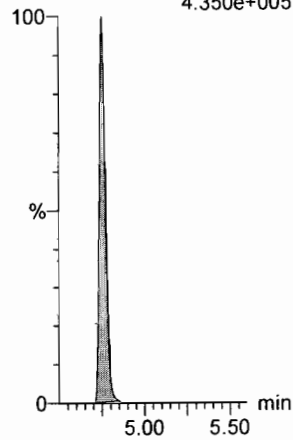
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
4.196e+005



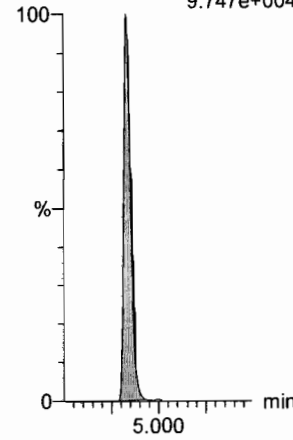
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
4.350e+005



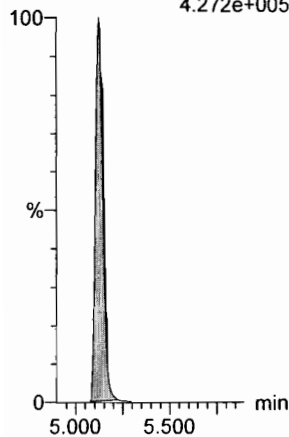
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
9.747e+004



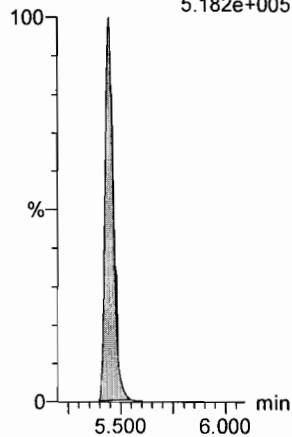
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
4.272e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-
570.1 > 524.8
5.182e+005

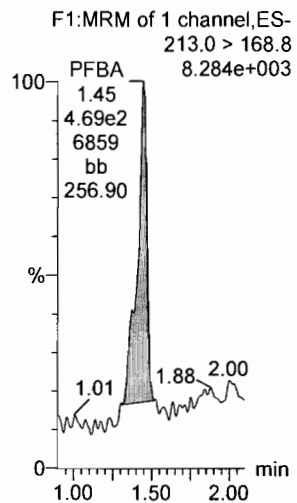


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

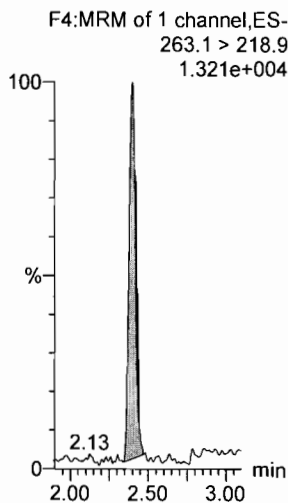
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Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_3, Date: 19-Apr-2018, Time: 20:12:44, ID: ST180419M2-2 PFC CS-1 18D1703, Description: PFC CS-1 18D1703

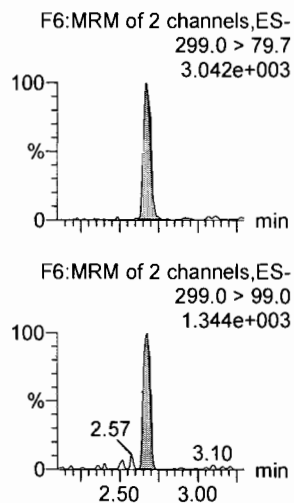
PFBA



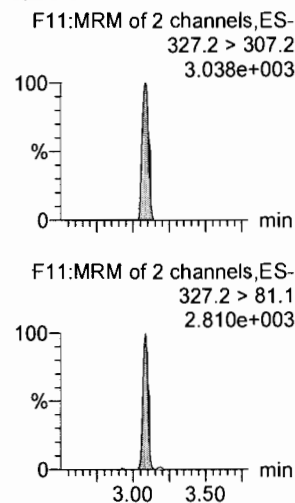
PFPeA



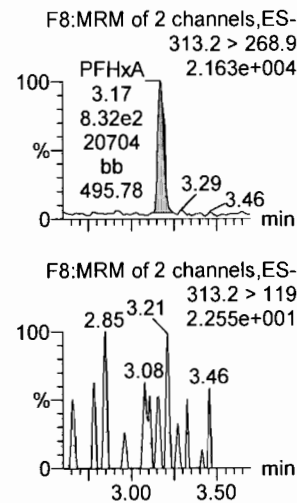
PFBS



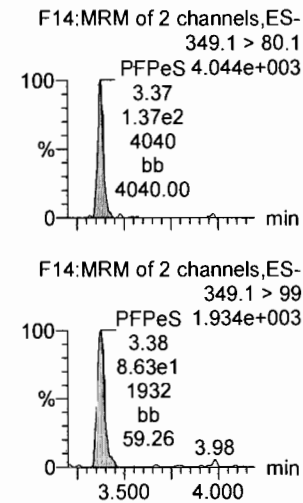
4:2 FTS



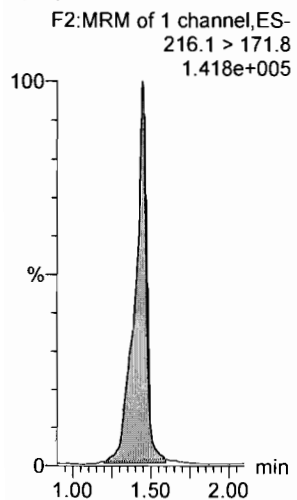
PFHxA



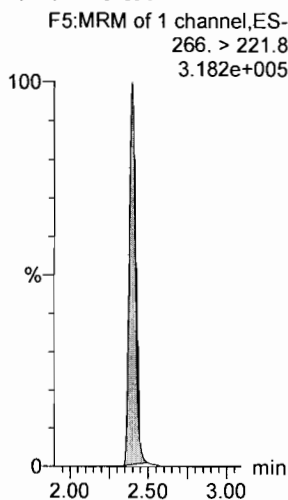
PFPeS



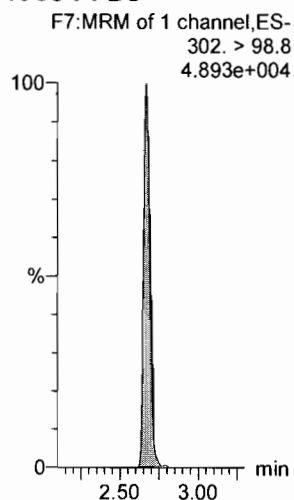
13C3-PFBA



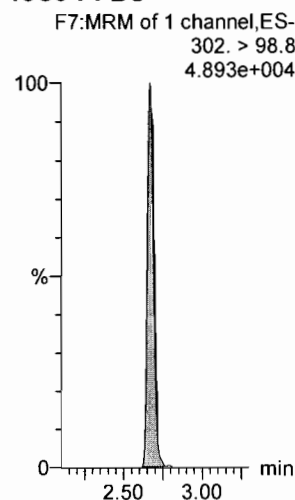
13C3-PFPeA



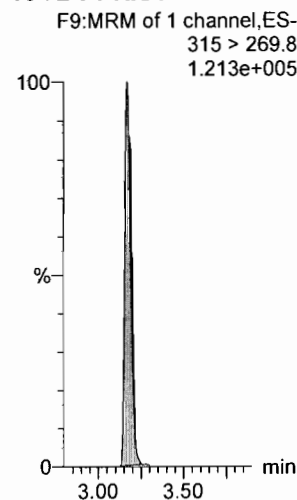
13C3-PFBS



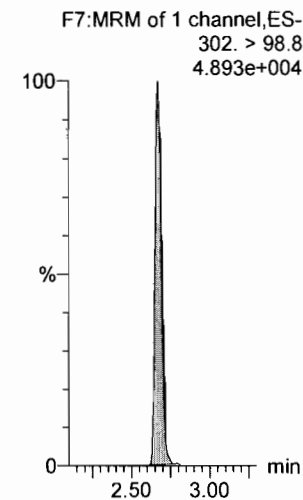
13C3-PFBS



13C2-PFHxA



13C3-PFBS



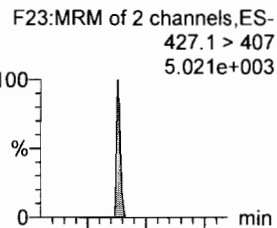
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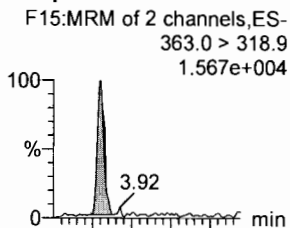
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Name: 180419M2_3, Date: 19-Apr-2018, Time: 20:12:44, ID: ST180419M2-2 PFC CS-1 18D1703, Description: PFC CS-1 18D1703

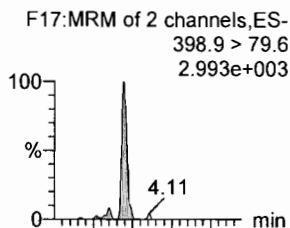
6:2 FTS



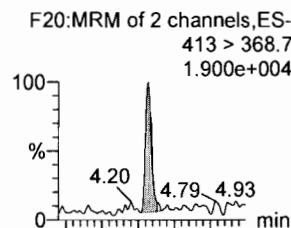
PFHpA



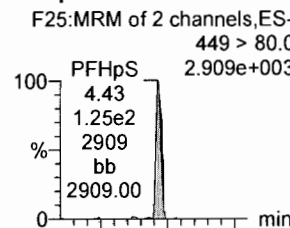
L-PFHxS



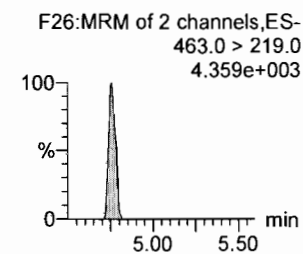
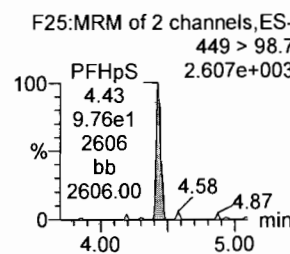
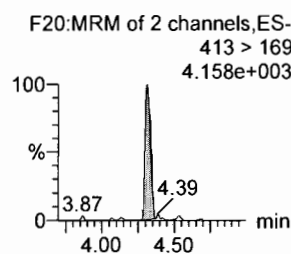
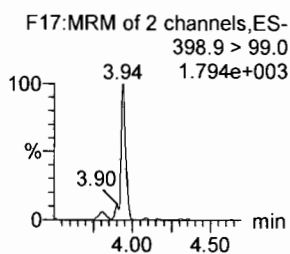
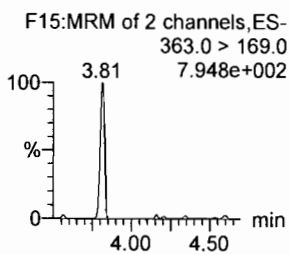
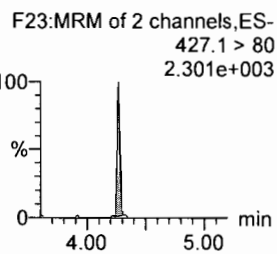
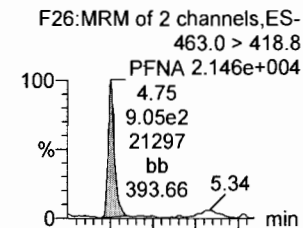
L-PFOA



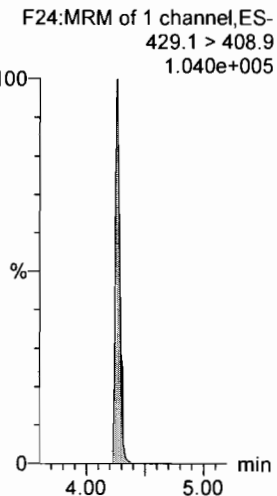
PFHpS



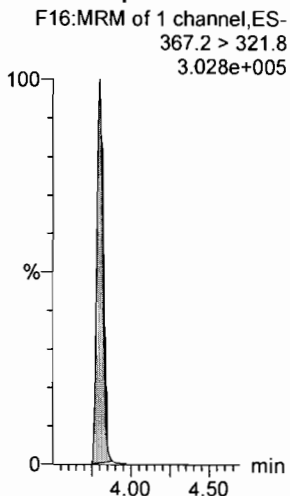
PFNA



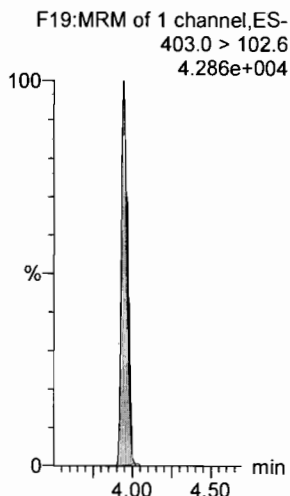
13C2-6:2 FTS



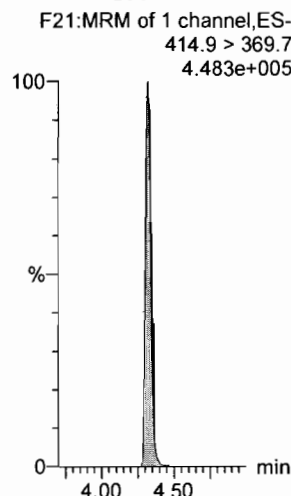
13C4-PFHpA



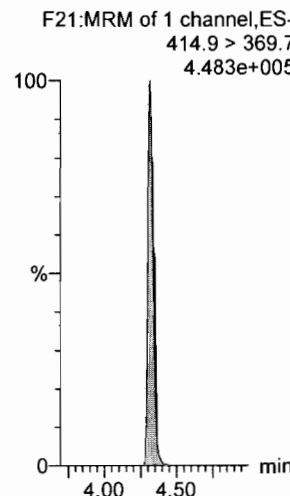
18O2-PFHxS



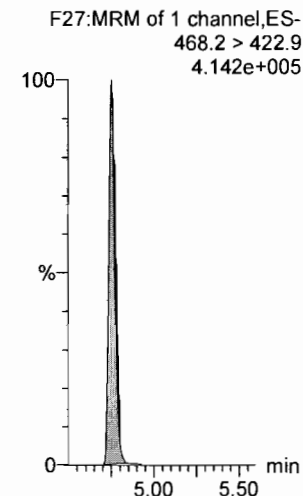
13C2-PFOA



13C2-PFOA



13C5-PFNA



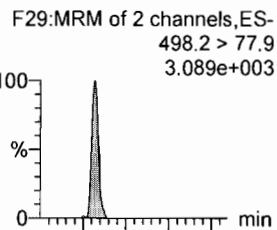
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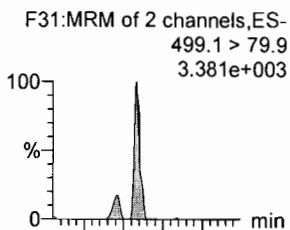
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Name: 180419M2_3, Date: 19-Apr-2018, Time: 20:12:44, ID: ST180419M2-2 PFC CS-1 18D1703, Description: PFC CS-1 18D1703

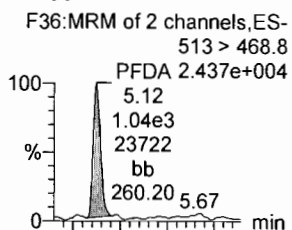
PFOSA



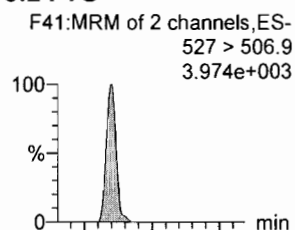
L-PFOS



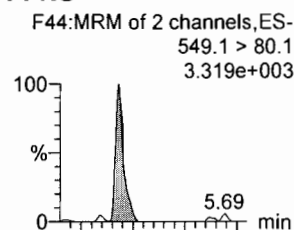
PFDA



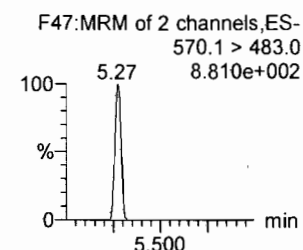
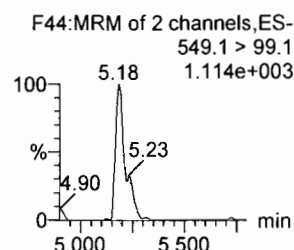
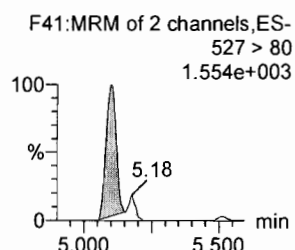
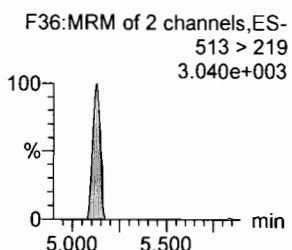
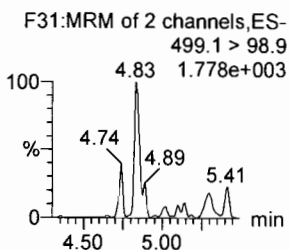
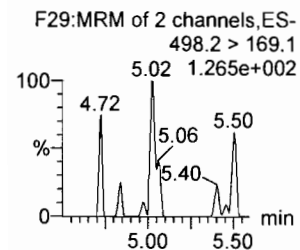
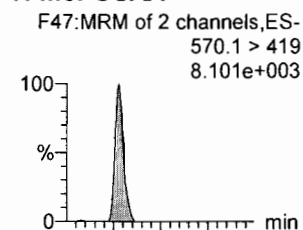
8:2 FTS



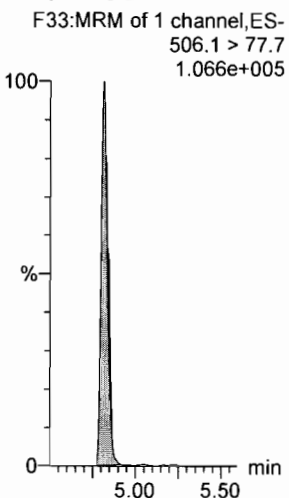
PFNS



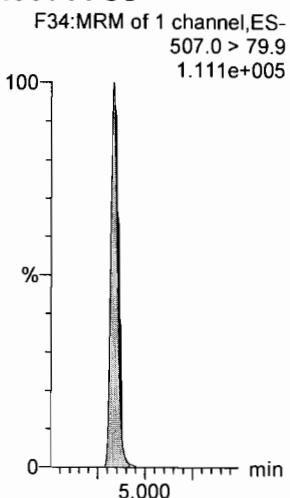
N-MeFOSAA



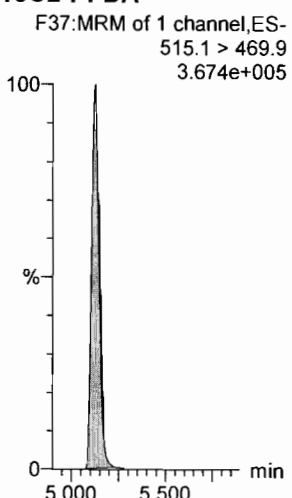
13C8-PFOSA



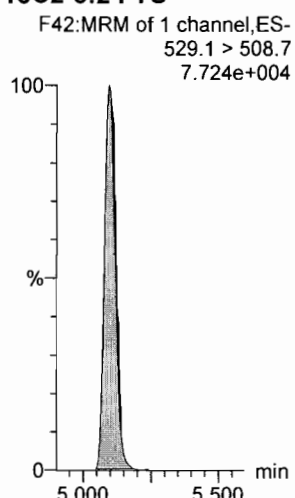
13C8-PFOS



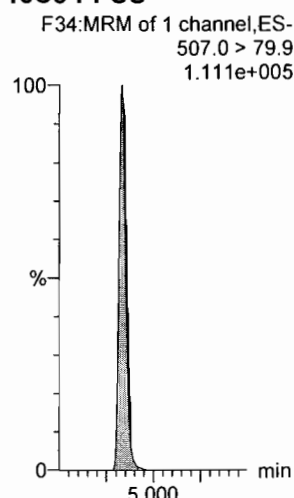
13C2-PFDA



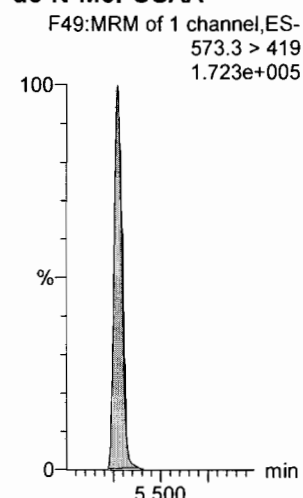
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

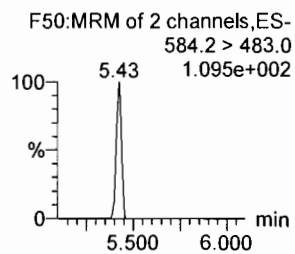
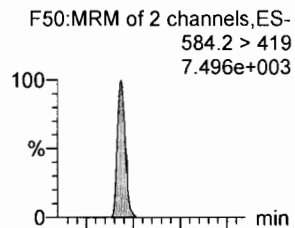


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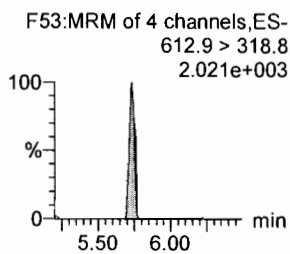
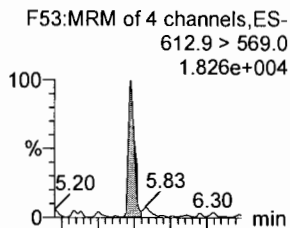
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Name: 180419M2_3, Date: 19-Apr-2018, Time: 20:12:44, ID: ST180419M2-2 PFC CS-1 18D1703, Description: PFC CS-1 18D1703

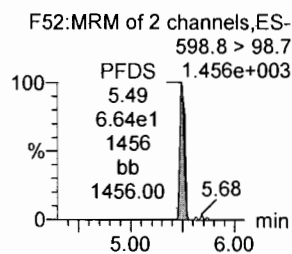
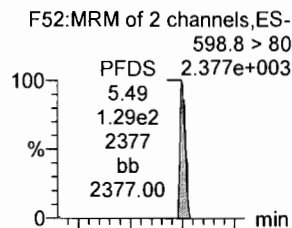
N-EtFOSAA



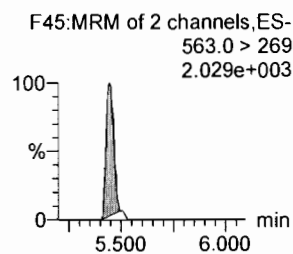
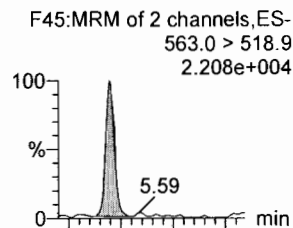
PFDaA



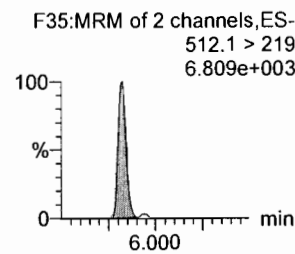
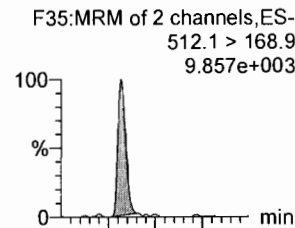
PFDS



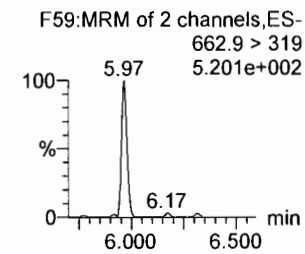
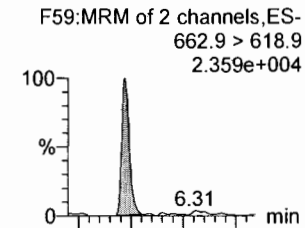
PFUdA



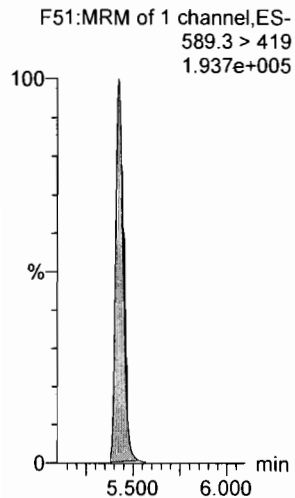
N-MeFOSA



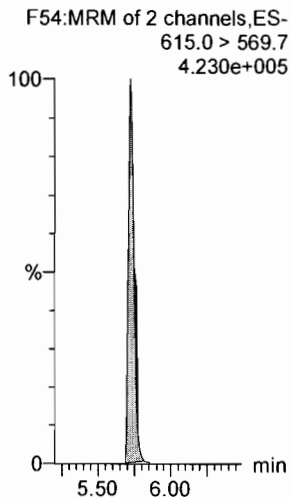
PFTrDA



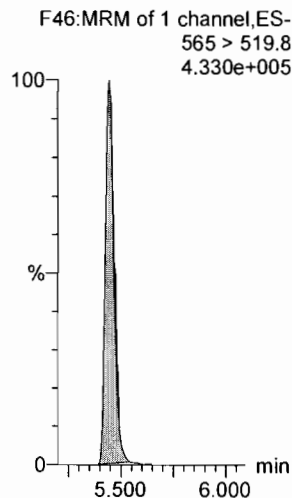
d5-N-EtFOSAA



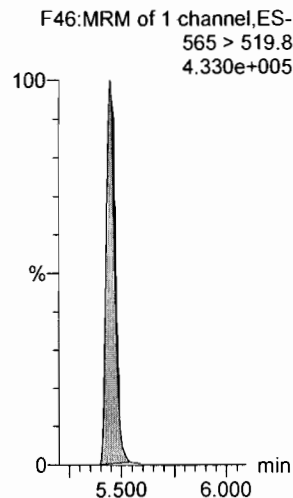
13C2-PFDaA



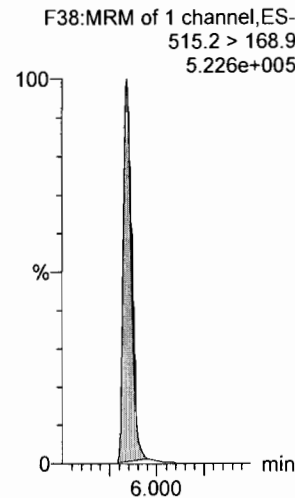
13C2-PFUdA



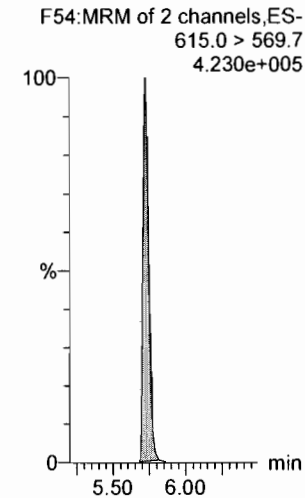
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



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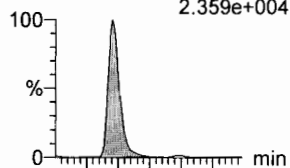
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Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

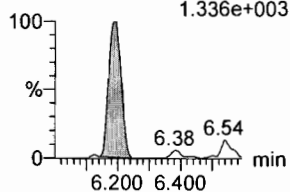
Name: 180419M2_3, Date: 19-Apr-2018, Time: 20:12:44, ID: ST180419M2-2 PFC CS-1 18D1703, Description: PFC CS-1 18D1703

PFTeDA

F60:MRM of 2 channels,ES-
712.9 > 668.8
2.359e+004

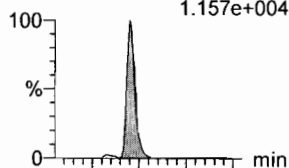


F60:MRM of 2 channels,ES-
712.9 > 369
1.336e+003

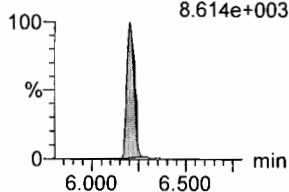


N-EtFOSA

F40:MRM of 2 channels,ES-
526.1 > 168.9
1.157e+004

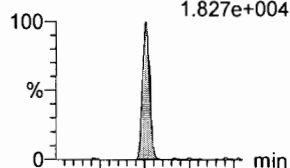


F40:MRM of 2 channels,ES-
526.1 > 219
8.614e+003

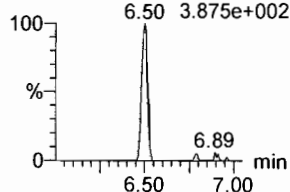


PFHxDA

F62:MRM of 2 channels,ES-
813.1 > 768.6
1.827e+004

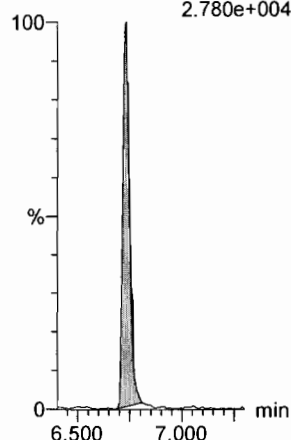


F62:MRM of 2 channels,ES-
813.1 > 219
3.875e+002



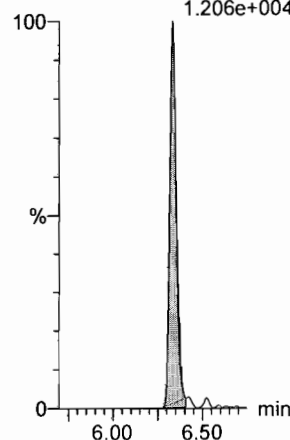
PFODA

F64:MRM of 1 channel,ES-
913.1 > 868.8
2.780e+004



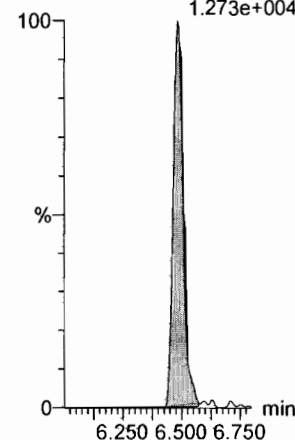
N-MeFOSE

F55:MRM of 1 channel,ES-
616.1 > 58.9
1.206e+004



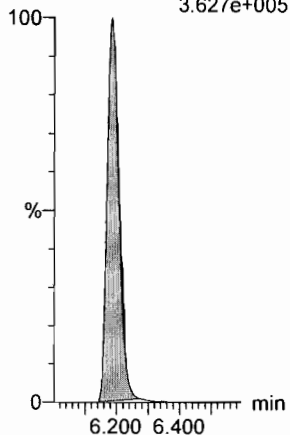
N-EtFOSE

F56:MRM of 1 channel,ES-
630.1 > 58.9
1.273e+004



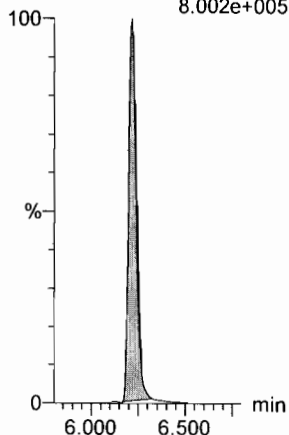
13C2-PFTeDA

F61:MRM of 2 channels,ES-
714.8 > 669.6
3.627e+005



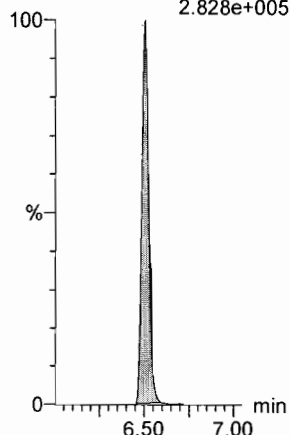
d5-N-ETFOSA

F43:MRM of 1 channel,ES-
531.1 > 168.9
8.002e+005



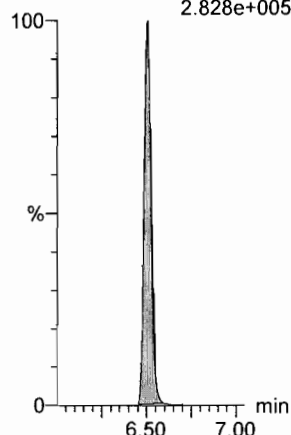
13C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
2.828e+005



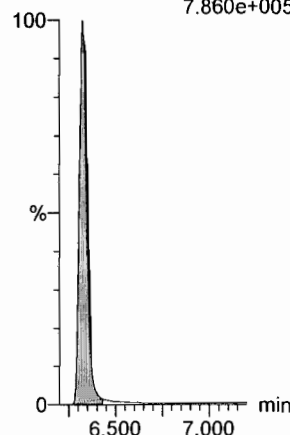
13C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
2.828e+005



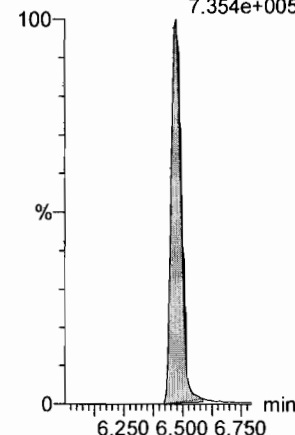
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
7.860e+005



d9-N-EtFOSE

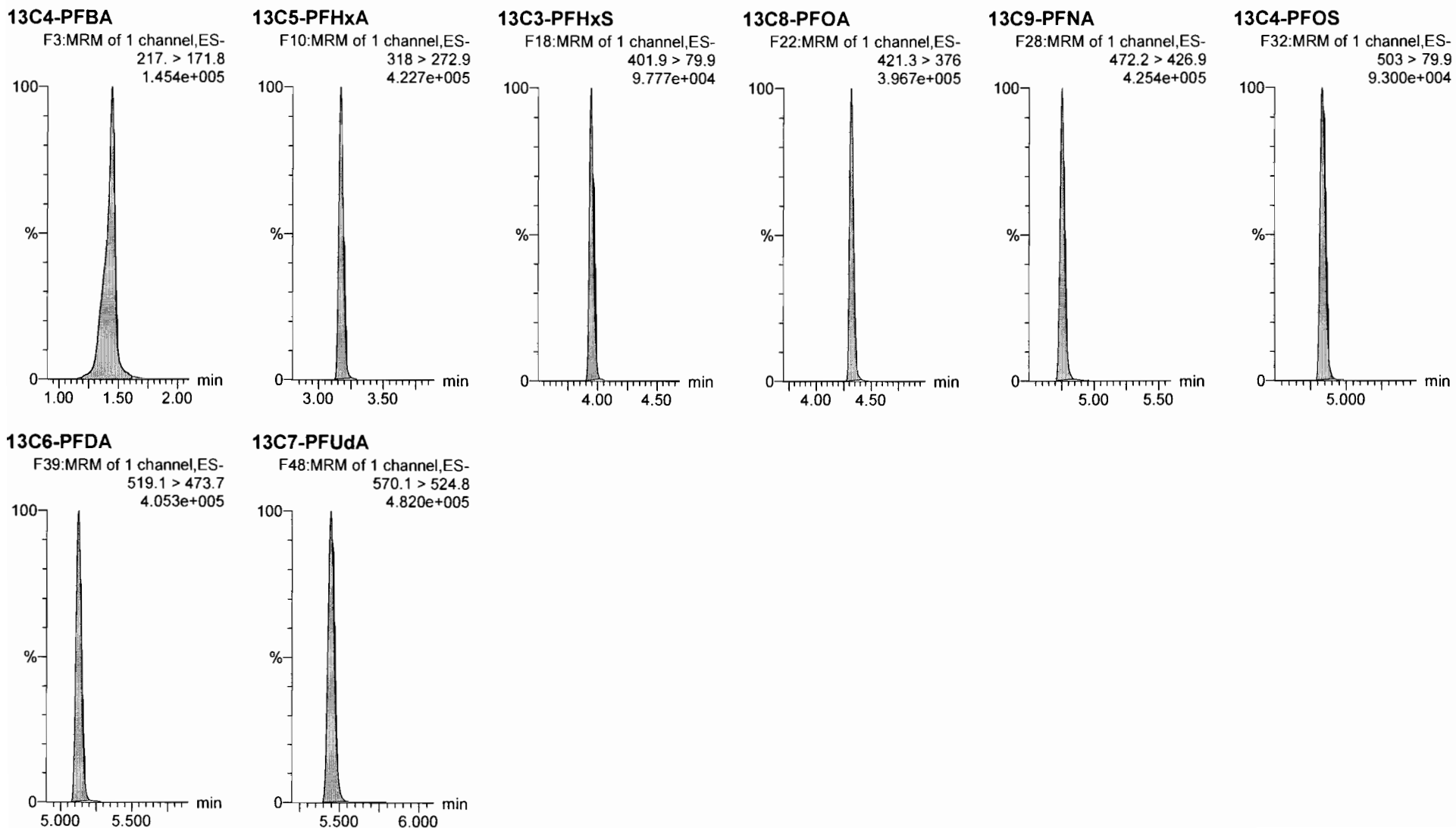
F58:MRM of 1 channel,ES-
639.2 > 58.8
7.354e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_3, Date: 19-Apr-2018, Time: 20:12:44, ID: ST180419M2-2 PFC CS-1 18D1703, Description: PFC CS-1 18D1703



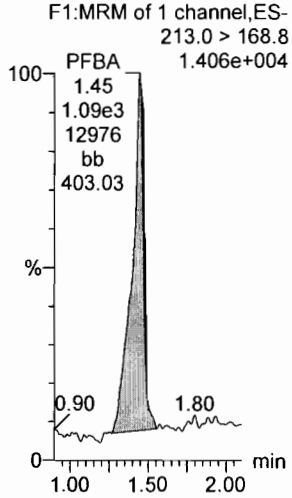
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

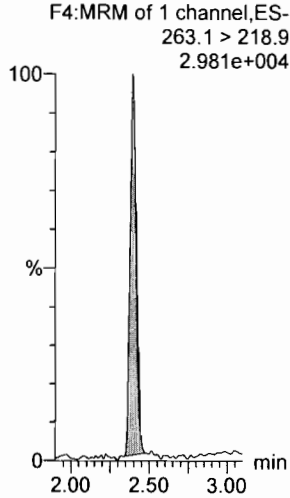
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_4, Date: 19-Apr-2018, Time: 20:24:13, ID: ST180419M2-3 PFC CS0 18D1704, Description: PFC CS0 18D1704

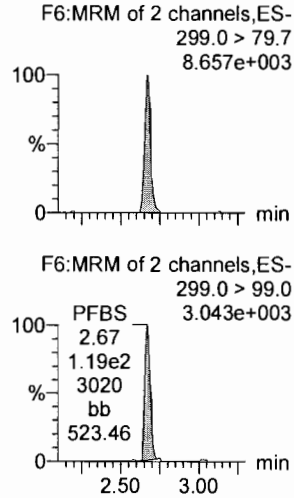
PFBA



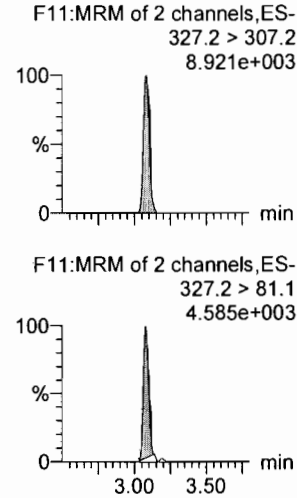
PFPeA



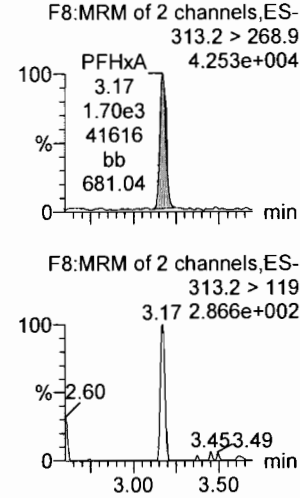
PFBS



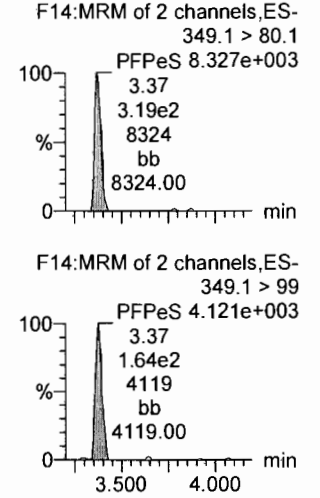
4:2 FTS



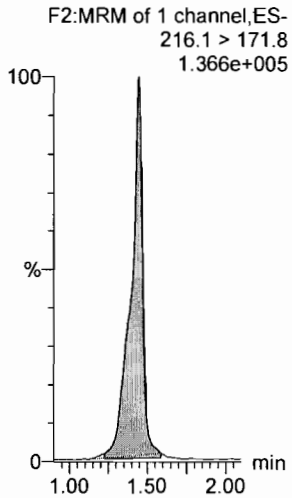
PFHxA



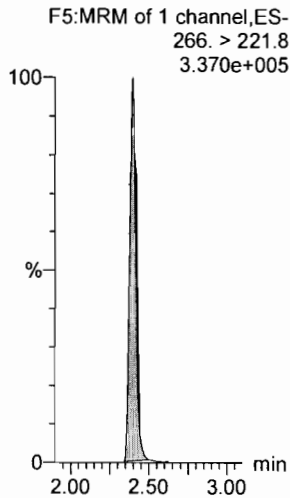
PFPeS



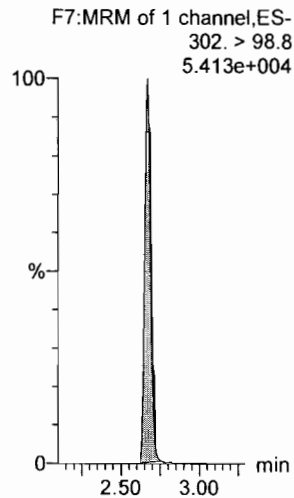
13C3-PFBA



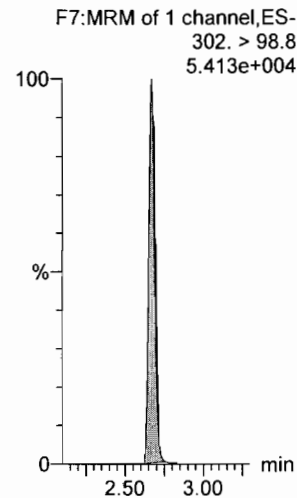
13C3-PFPeA



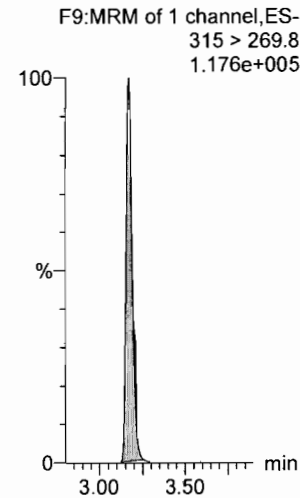
13C3-PFBS



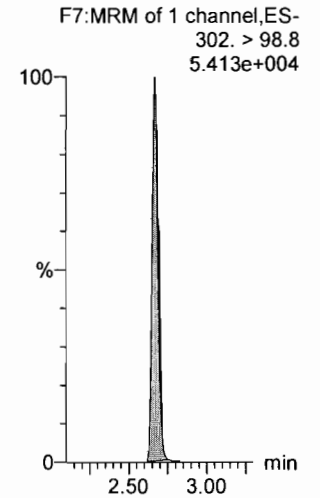
13C3-PFBS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

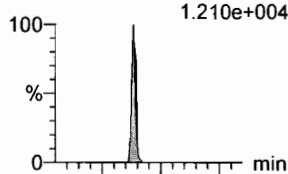
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_4, Date: 19-Apr-2018, Time: 20:24:13, ID: ST180419M2-3 PFC CS0 18D1704, Description: PFC CS0 18D1704

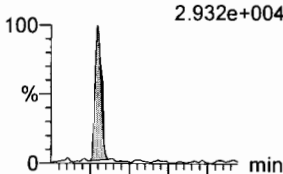
6:2 FTS

F23:MRM of 2 channels,ES-
427.1 > 407
1.210e+004



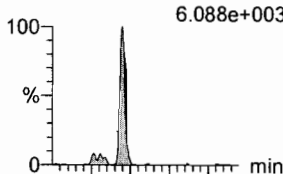
PFHpA

F15:MRM of 2 channels,ES-
363.0 > 318.9
2.932e+004



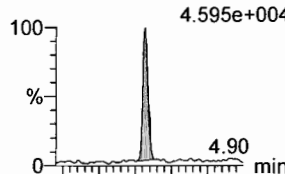
L-PFHxS

F17:MRM of 2 channels,ES-
398.9 > 79.6
6.088e+003



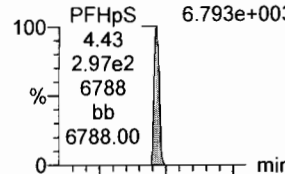
L-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
4.595e+004



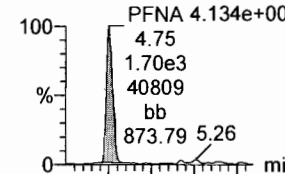
PFHpS

F25:MRM of 2 channels,ES-
449 > 80.0
6.793e+003

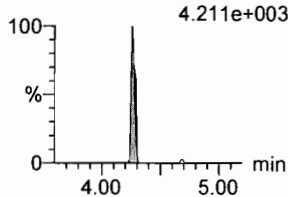


PFNA

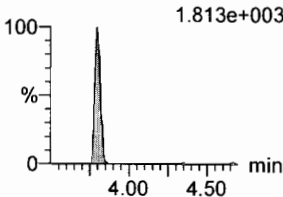
F26:MRM of 2 channels,ES-
463.0 > 418.8
4.134e+004



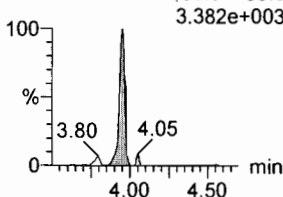
F23:MRM of 2 channels,ES-
427.1 > 80
4.211e+003



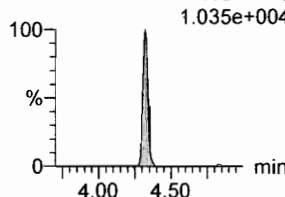
F15:MRM of 2 channels,ES-
363.0 > 169.0
1.813e+003



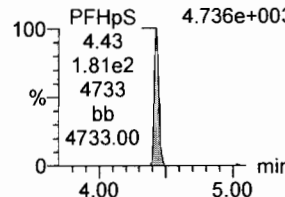
F17:MRM of 2 channels,ES-
398.9 > 99.0
3.382e+003



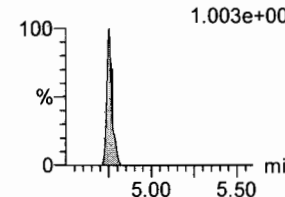
F20:MRM of 2 channels,ES-
413 > 169
1.035e+004



F25:MRM of 2 channels,ES-
449 > 98.7
4.736e+003

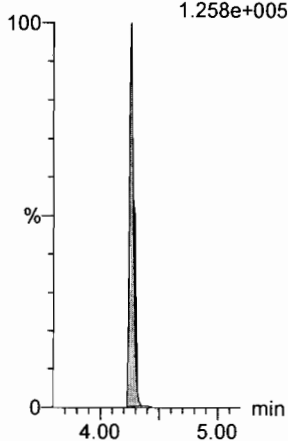


F26:MRM of 2 channels,ES-
463.0 > 219.0
1.003e+004



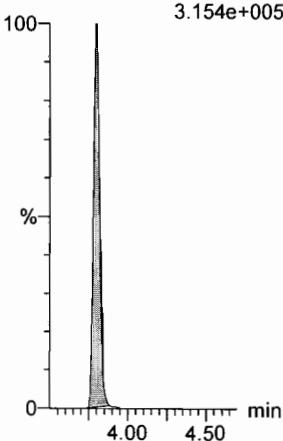
13C2-6:2 FTS

F24:MRM of 1 channel,ES-
429.1 > 408.9
1.258e+005



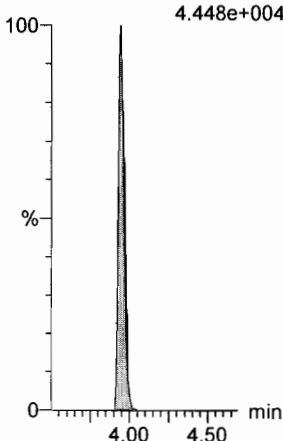
13C4-PFHpA

F16:MRM of 1 channel,ES-
367.2 > 321.8
3.154e+005



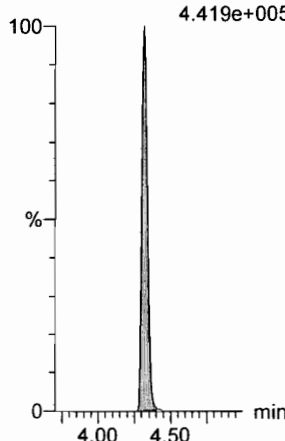
18O2-PFHxS

F19:MRM of 1 channel,ES-
403.0 > 102.6
4.448e+004



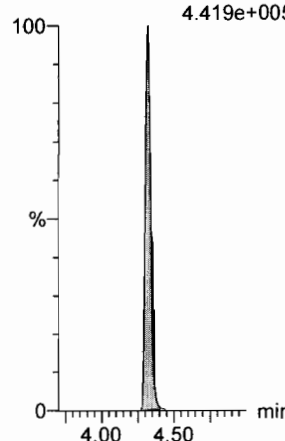
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
4.419e+005



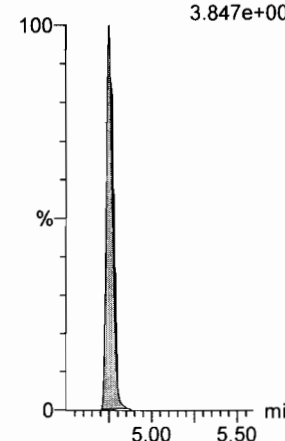
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
4.419e+005



13C5-PFNA

F27:MRM of 1 channel,ES-
468.2 > 422.9
3.847e+005



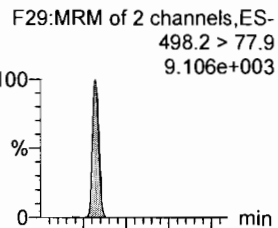
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Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

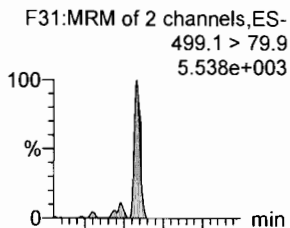
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_4, Date: 19-Apr-2018, Time: 20:24:13, ID: ST180419M2-3 PFC CS0 18D1704, Description: PFC CS0 18D1704

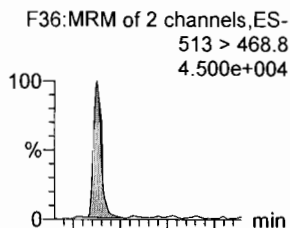
PFOSA



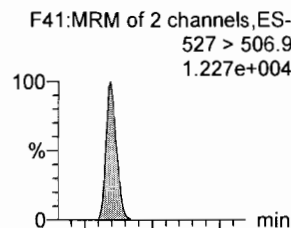
L-PFOS



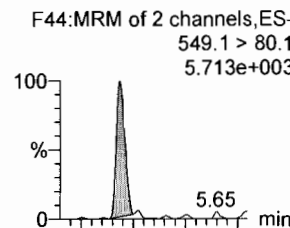
PFDA



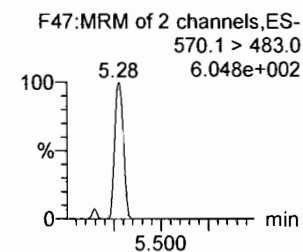
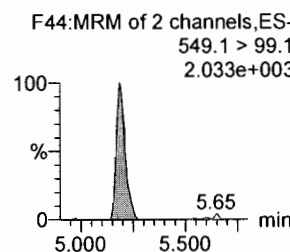
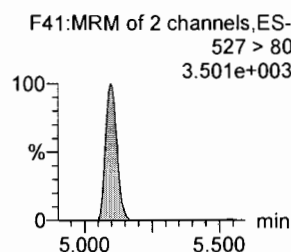
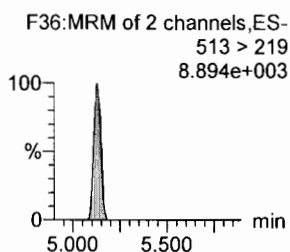
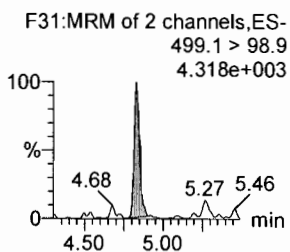
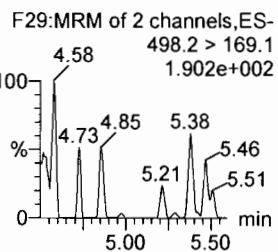
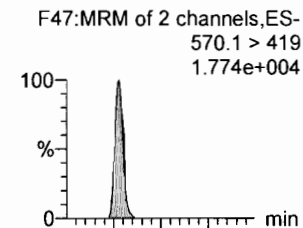
8:2 FTS



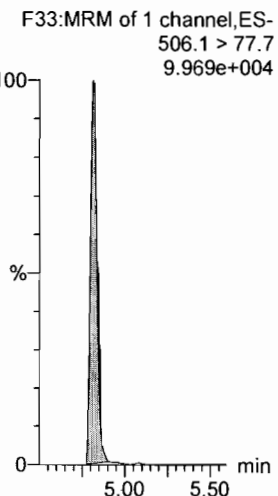
PFNS



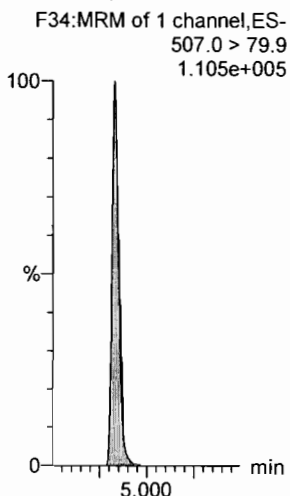
N-MeFOSAA



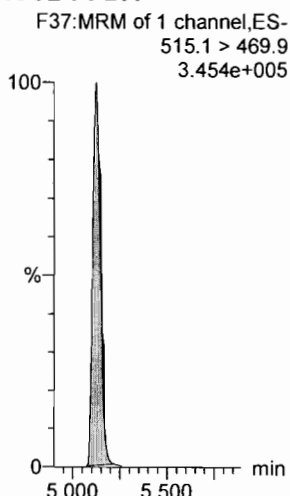
13C8-PFOSA



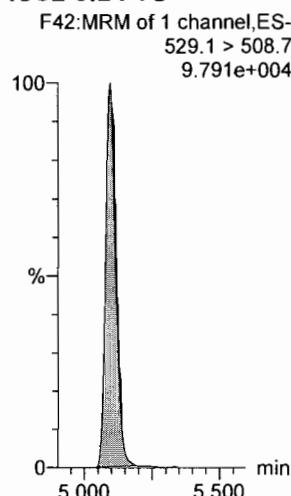
13C8-PFOS



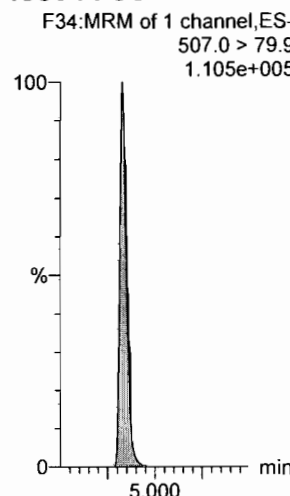
13C2-PFDA



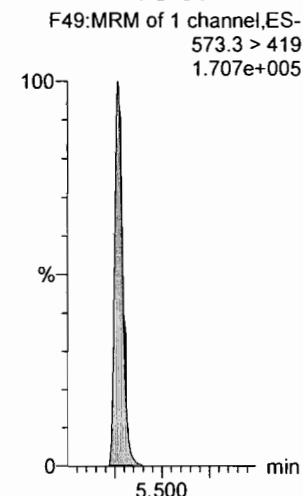
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

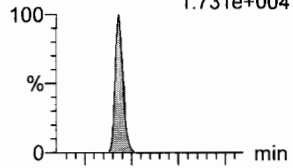
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_4, Date: 19-Apr-2018, Time: 20:24:13, ID: ST180419M2-3 PFC CS0 18D1704, Description: PFC CS0 18D1704

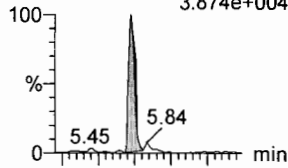
N-EtFOSAA

F50:MRM of 2 channels,ES-
584.2 > 419
1.731e+004



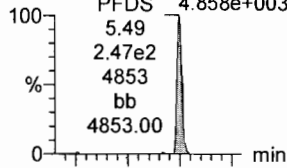
PFDoA

F53:MRM of 4 channels,ES-
612.9 > 569.0
3.874e+004



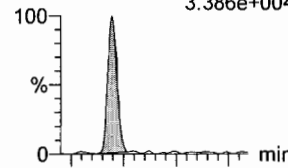
PFDS

F52:MRM of 2 channels,ES-
598.8 > 80
4.858e+003



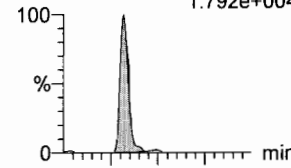
PFUdA

F45:MRM of 2 channels,ES-
563.0 > 518.9
3.386e+004



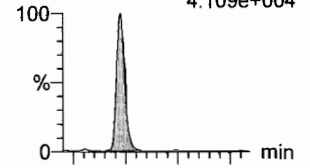
N-MeFOSA

F35:MRM of 2 channels,ES-
512.1 > 168.9
1.792e+004

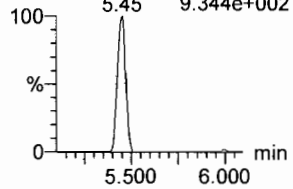


PFTrDA

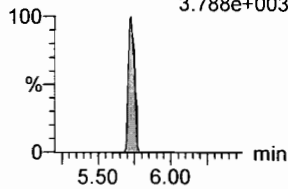
F59:MRM of 2 channels,ES-
662.9 > 618.9
4.109e+004



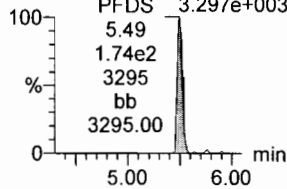
F50:MRM of 2 channels,ES-
584.2 > 483.0
9.344e+002



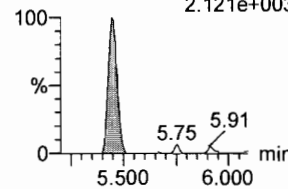
F53:MRM of 4 channels,ES-
612.9 > 318.8
3.788e+003



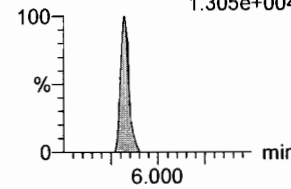
F52:MRM of 2 channels,ES-
598.8 > 98.7
3.297e+003



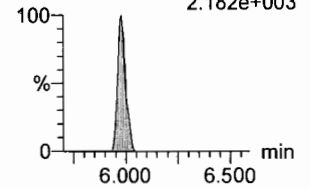
F45:MRM of 2 channels,ES-
563.0 > 269
2.121e+003



F35:MRM of 2 channels,ES-
512.1 > 219
1.305e+004

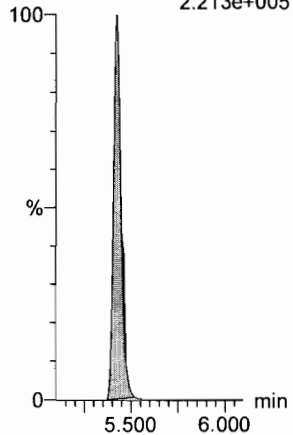


F59:MRM of 2 channels,ES-
662.9 > 319
2.182e+003



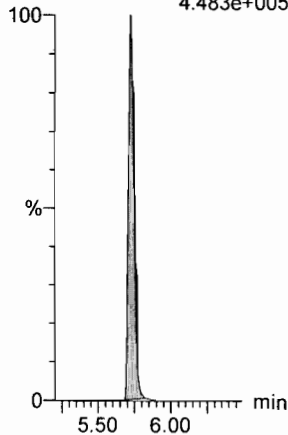
d5-N-EtFOSAA

F51:MRM of 1 channel,ES-
589.3 > 419
2.213e+005



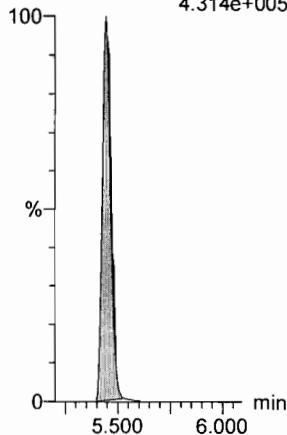
13C2-PFDoA

F54:MRM of 2 channels,ES-
615.0 > 569.7
4.483e+005



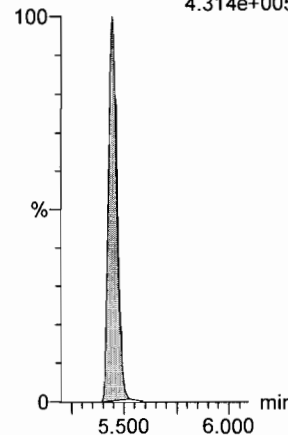
13C2-PFUdA

F46:MRM of 1 channel,ES-
565 > 519.8
4.314e+005



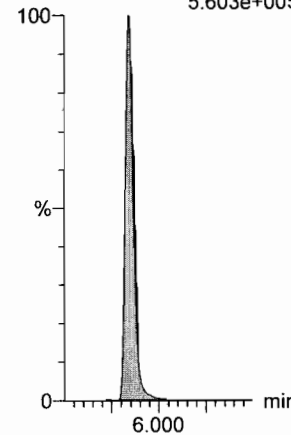
13C2-PFUdA

F46:MRM of 1 channel,ES-
565 > 519.8
4.314e+005



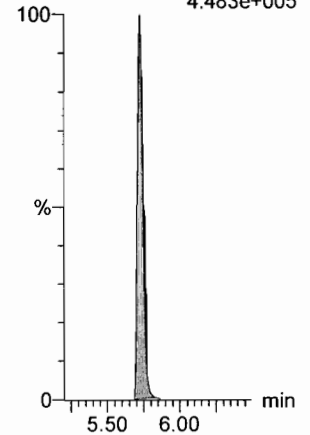
d3-N-MeFOSA

F38:MRM of 1 channel,ES-
515.2 > 168.9
5.603e+005



13C2-PFDoA

F54:MRM of 2 channels,ES-
615.0 > 569.7
4.483e+005

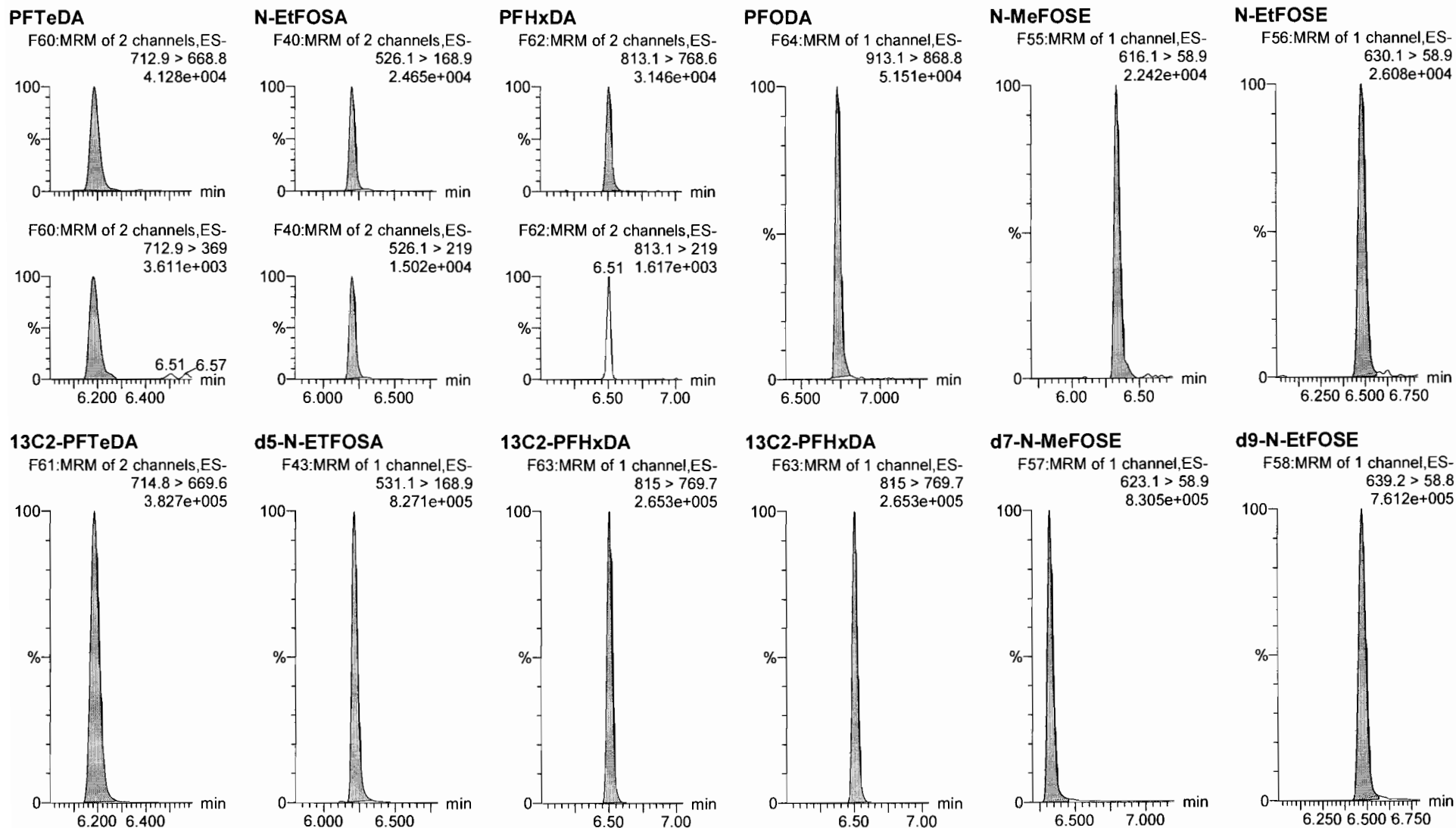


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_4, Date: 19-Apr-2018, Time: 20:24:13, ID: ST180419M2-3 PFC CS0 18D1704, Description: PFC CS0 18D1704



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

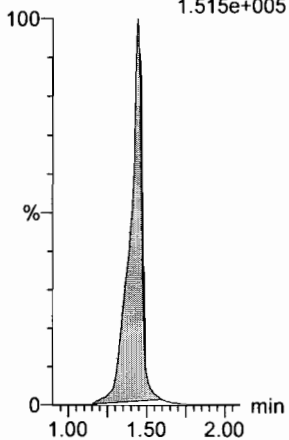
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_4, Date: 19-Apr-2018, Time: 20:24:13, ID: ST180419M2-3 PFC CS0 18D1704, Description: PFC CS0 18D1704

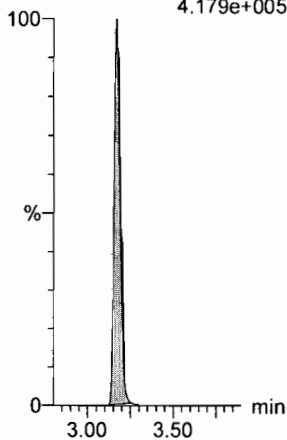
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.515e+005



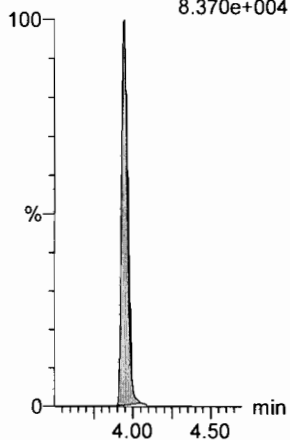
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.179e+005



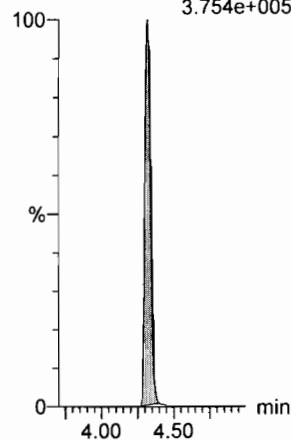
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
8.370e+004



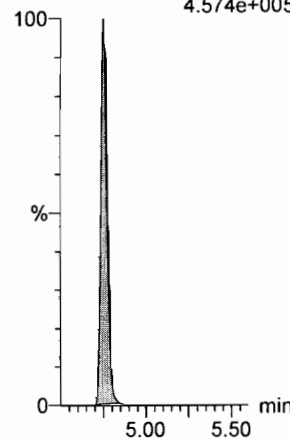
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
3.754e+005



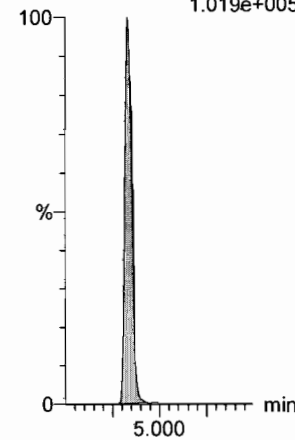
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
4.574e+005



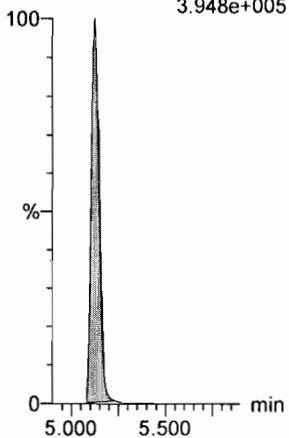
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
1.019e+005



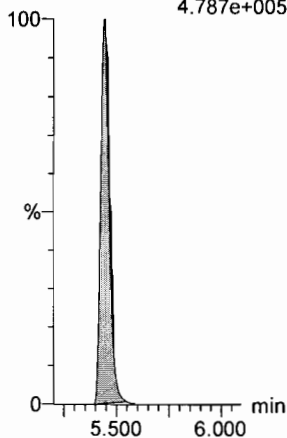
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
3.948e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-
570.1 > 524.8
4.787e+005

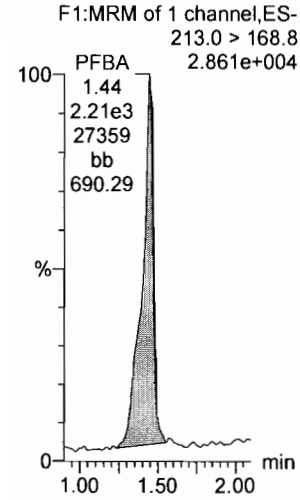


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

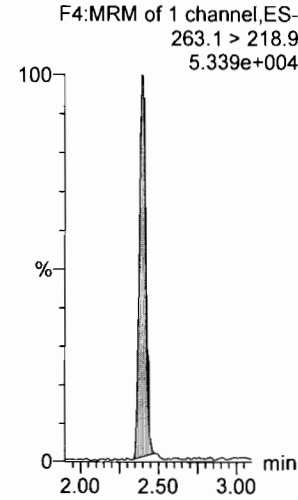
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_5, Date: 19-Apr-2018, Time: 20:35:42, ID: ST180419M2-4 PFC CS1 18D1705, Description: PFC CS1 18D1705

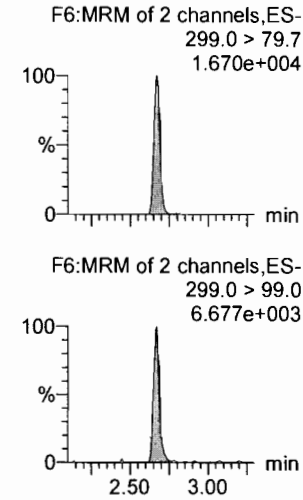
PFBA



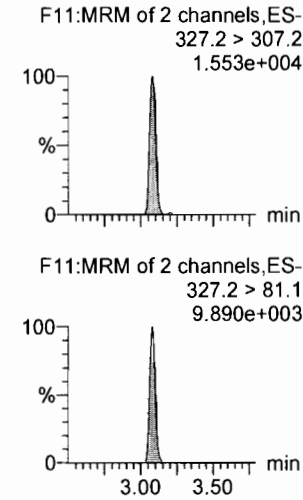
PFPeA



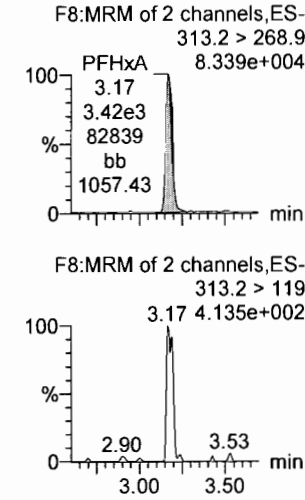
PFBS



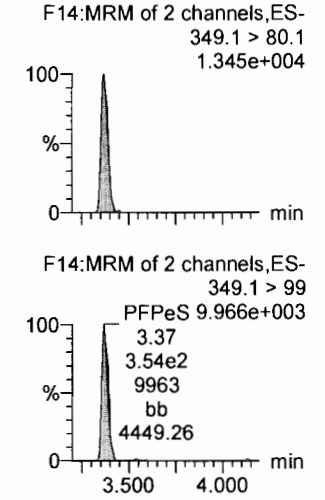
4:2 FTS



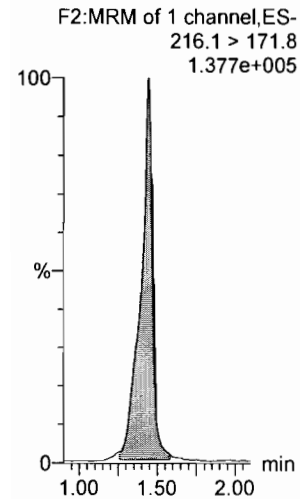
PFHxA



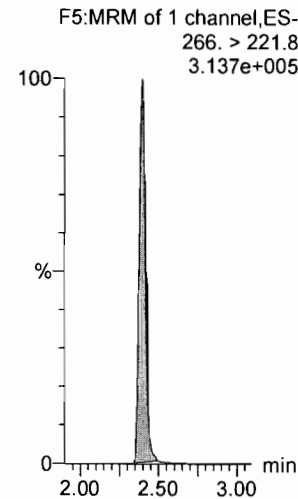
PFPeS



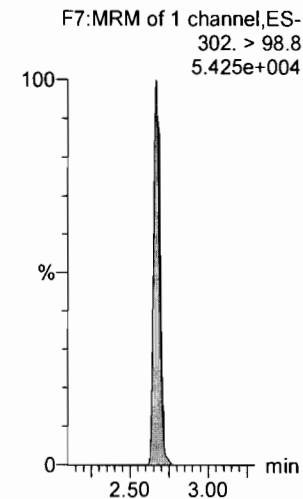
13C3-PFBA



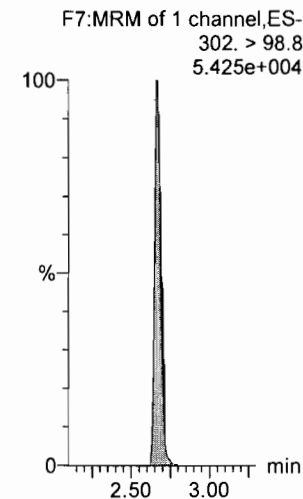
13C3-PFPeA



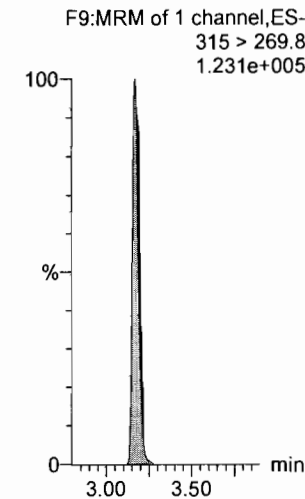
13C3-PFBS



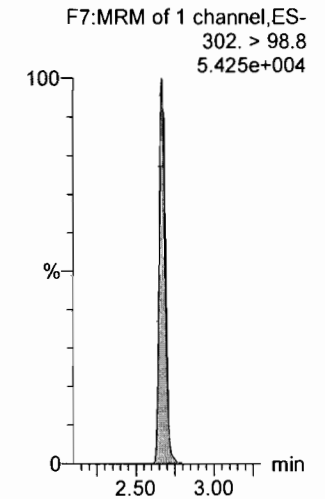
13C3-PFBS



13C2-PFHxA



13C3-PFBS

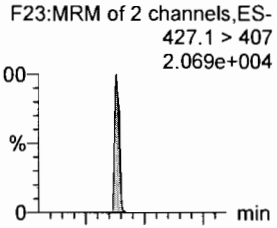


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

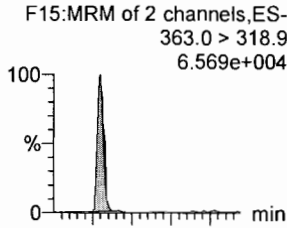
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Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_5, Date: 19-Apr-2018, Time: 20:35:42, ID: ST180419M2-4 PFC CS1 18D1705, Description: PFC CS1 18D1705

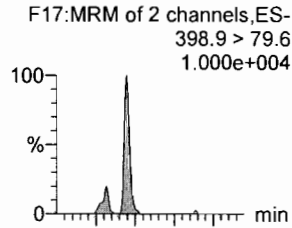
6:2 FTS



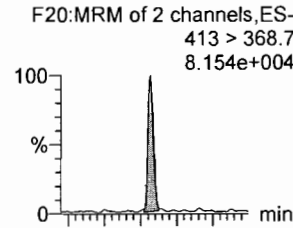
PFHpA



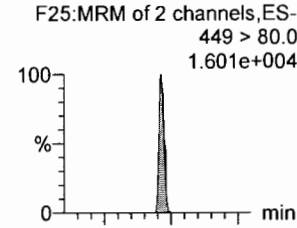
L-PFHxS



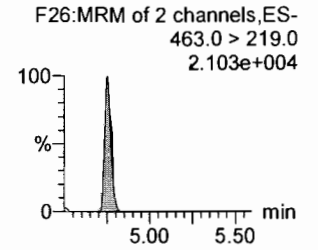
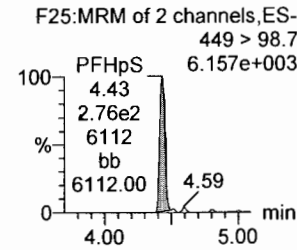
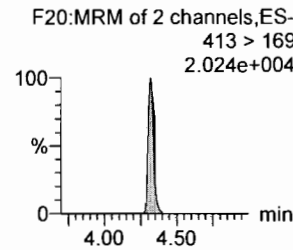
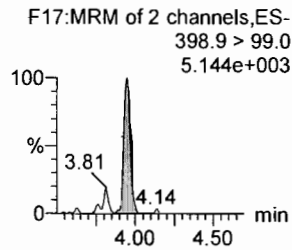
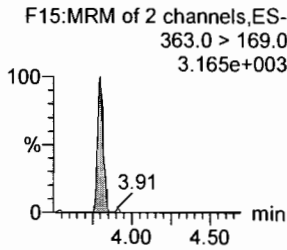
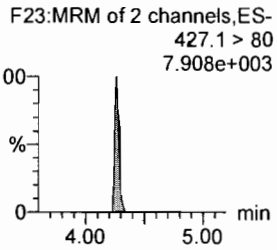
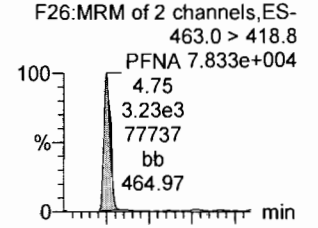
L-PFOA



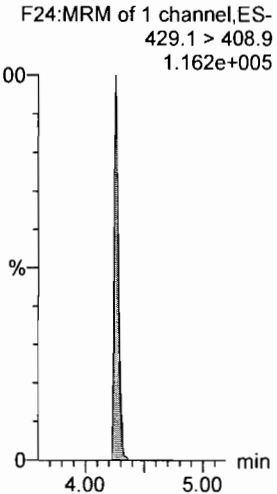
PFHpS



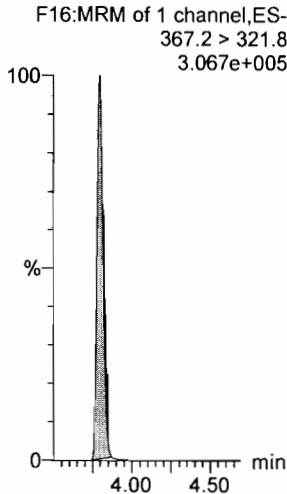
PFNA



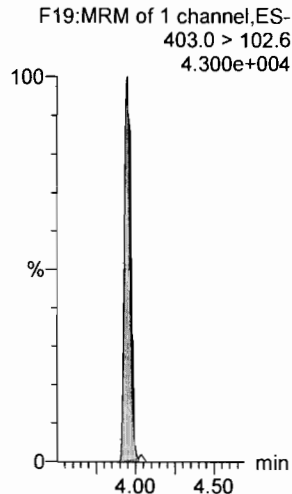
13C2-6:2 FTS



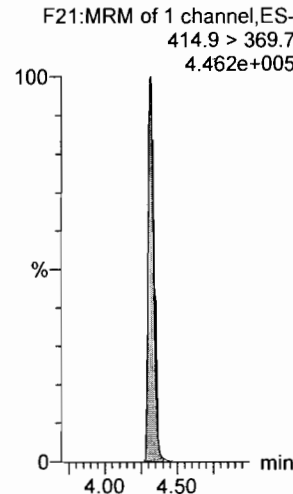
13C4-PFHpA



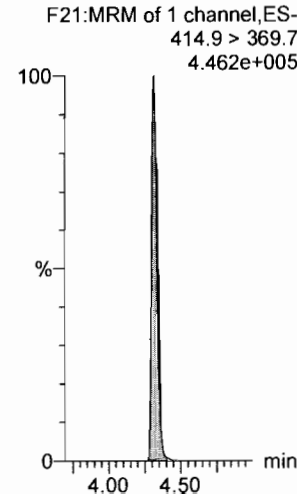
18O2-PFHxS



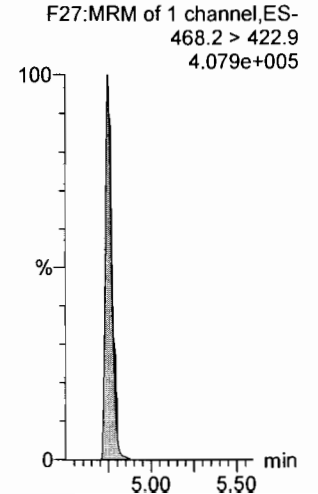
13C2-PFOA



13C2-PFOA



13C5-PFNA



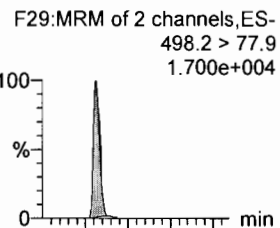
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Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

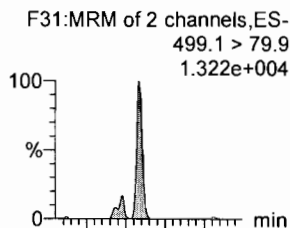
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Name: 180419M2_5, Date: 19-Apr-2018, Time: 20:35:42, ID: ST180419M2-4 PFC CS1 18D1705, Description: PFC CS1 18D1705

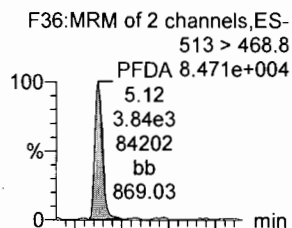
PFOSA



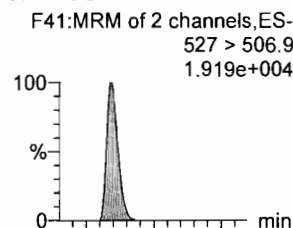
L-PFOS



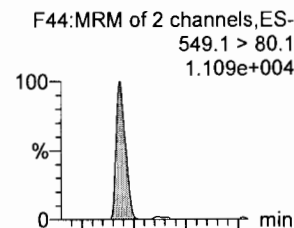
PFDA



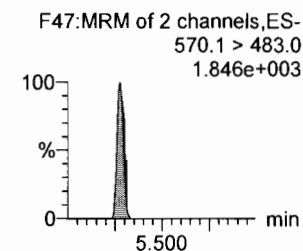
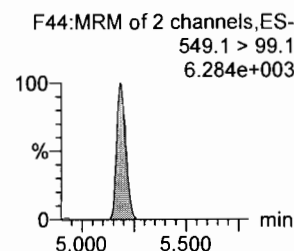
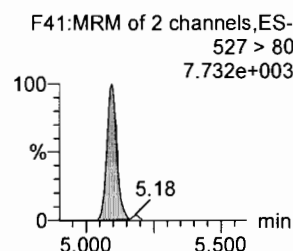
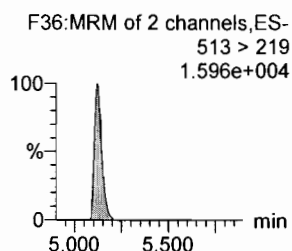
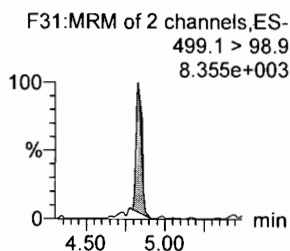
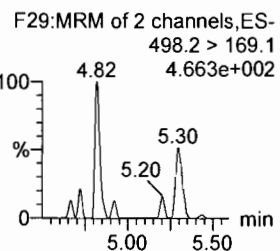
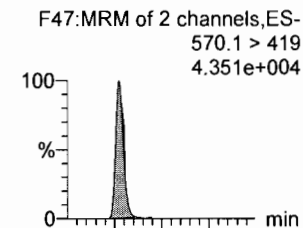
8:2 FTS



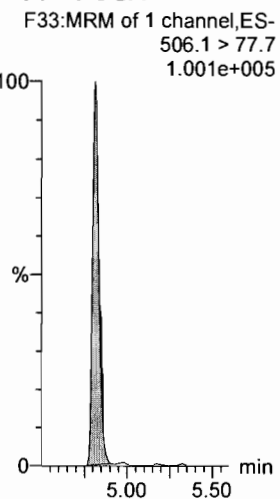
PFNS



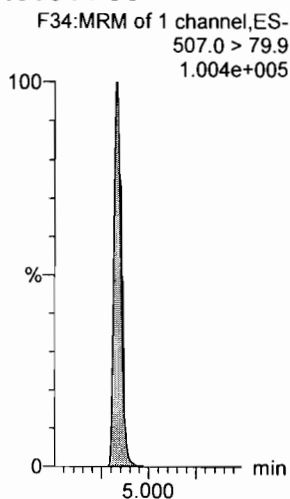
N-MeFOSAA



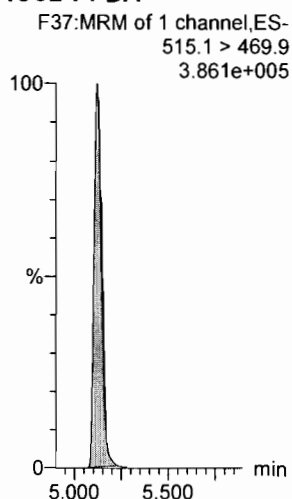
13C8-PFOSA



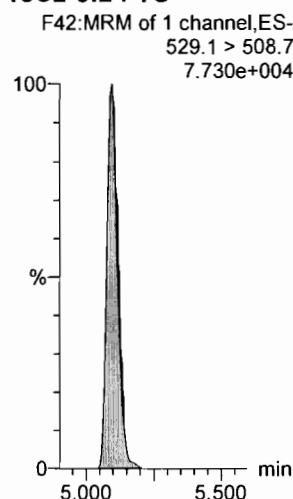
13C8-PFOS



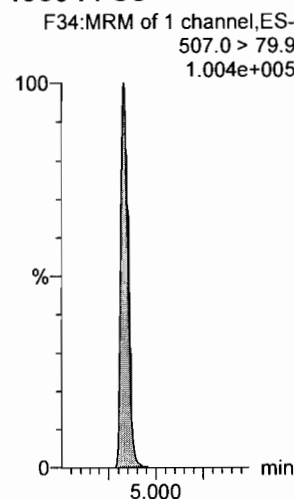
13C2-PFDA



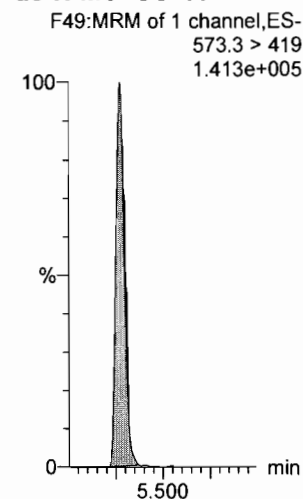
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

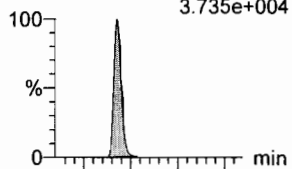
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Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

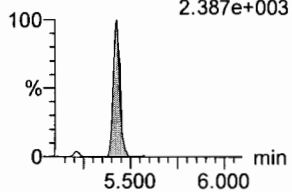
Name: 180419M2_5, Date: 19-Apr-2018, Time: 20:35:42, ID: ST180419M2-4 PFC CS1 18D1705, Description: PFC CS1 18D1705

N-EtFOSAA

F50:MRM of 2 channels,ES-
584.2 > 419
3.735e+004

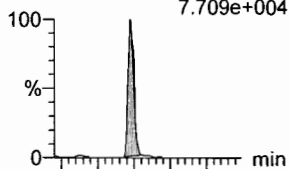


F50:MRM of 2 channels,ES-
584.2 > 483.0
2.387e+003

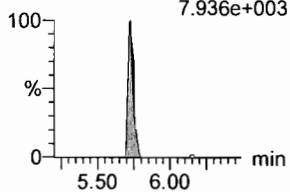


PFDoA

F53:MRM of 4 channels,ES-
612.9 > 569.0
7.709e+004

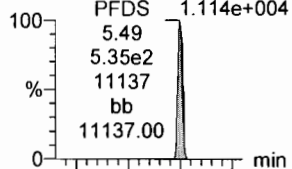


F53:MRM of 4 channels,ES-
612.9 > 318.8
7.936e+003

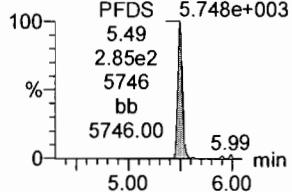


PFDS

F52:MRM of 2 channels,ES-
598.8 > 80
1.114e+004

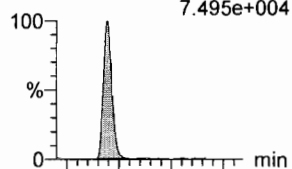


F52:MRM of 2 channels,ES-
598.8 > 98.7
5.748e+003

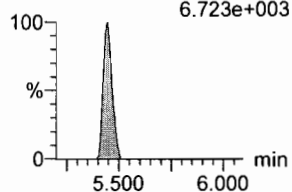


PFUdA

F45:MRM of 2 channels,ES-
563.0 > 518.9
7.495e+004

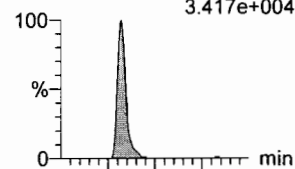


F45:MRM of 2 channels,ES-
563.0 > 269
6.723e+003

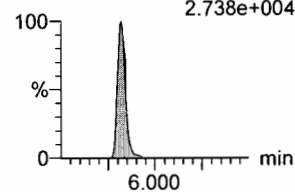


N-MeFOSA

F35:MRM of 2 channels,ES-
512.1 > 168.9
3.417e+004

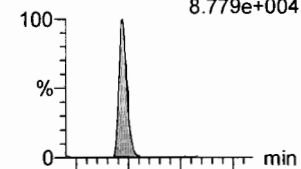


F35:MRM of 2 channels,ES-
512.1 > 219
2.738e+004

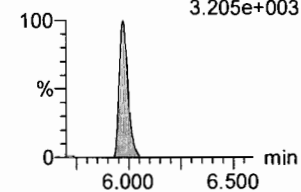


PFTrDA

F59:MRM of 2 channels,ES-
662.9 > 618.9
8.779e+004

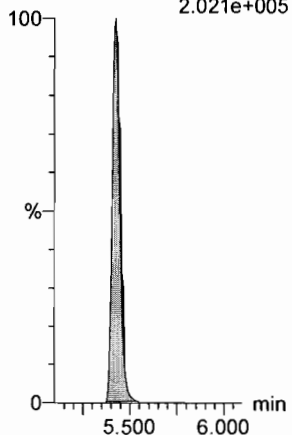


F59:MRM of 2 channels,ES-
662.9 > 319
3.205e+003



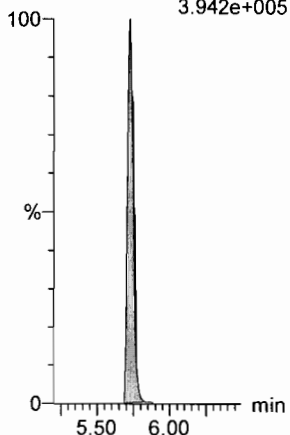
d5-N-EtFOSAA

F51:MRM of 1 channel,ES-
589.3 > 419
2.021e+005



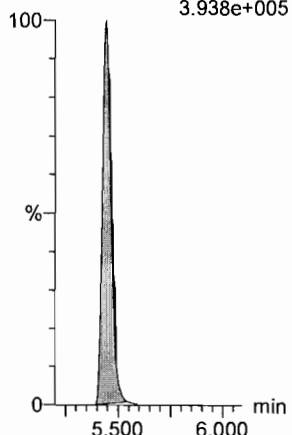
13C2-PFDoA

F54:MRM of 2 channels,ES-
615.0 > 569.7
3.942e+005



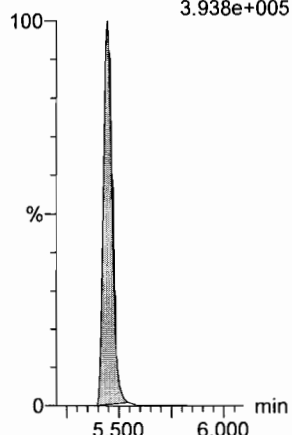
13C2-PFUdA

F46:MRM of 1 channel,ES-
565 > 519.8
3.938e+005



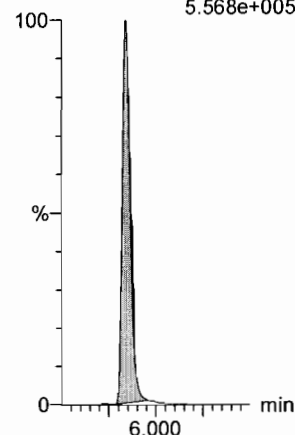
13C2-PFUdA

F46:MRM of 1 channel,ES-
565 > 519.8
3.938e+005



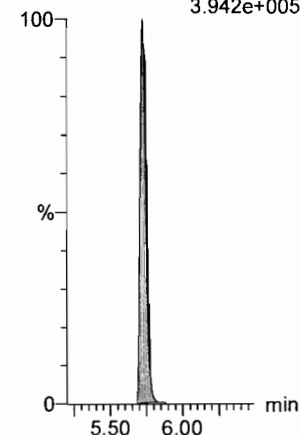
d3-N-MeFOSA

F38:MRM of 1 channel,ES-
515.2 > 168.9
5.568e+005



13C2-PFDoA

F54:MRM of 2 channels,ES-
615.0 > 569.7
3.942e+005

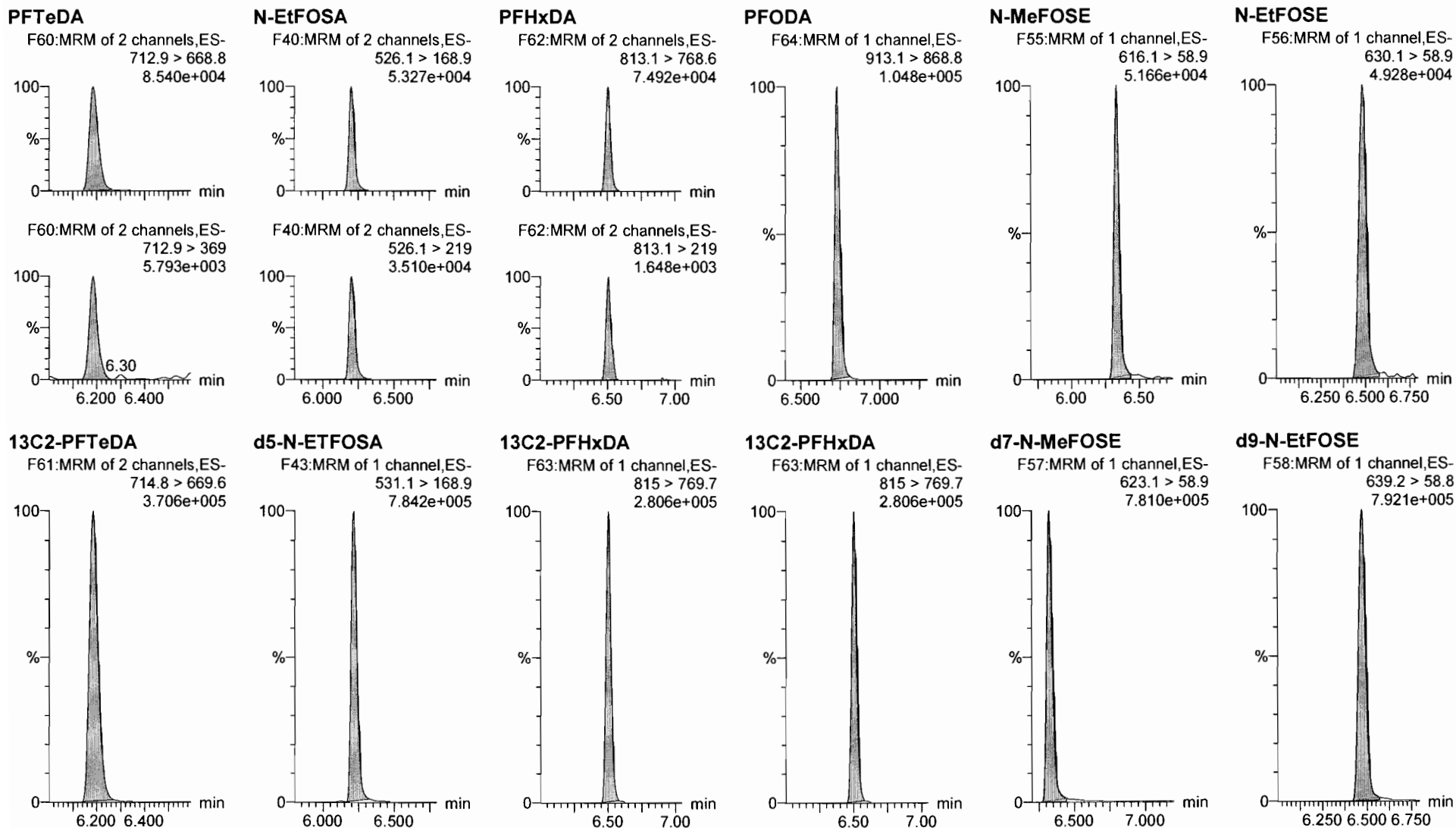


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_5, Date: 19-Apr-2018, Time: 20:35:42, ID: ST180419M2-4 PFC CS1 18D1705, Description: PFC CS1 18D1705



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

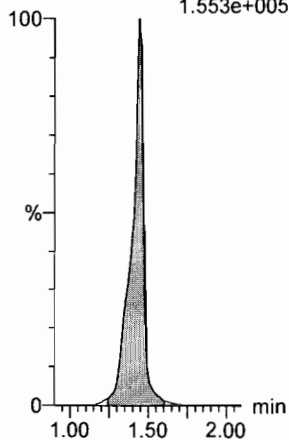
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_5, Date: 19-Apr-2018, Time: 20:35:42, ID: ST180419M2-4 PFC CS1 18D1705, Description: PFC CS1 18D1705

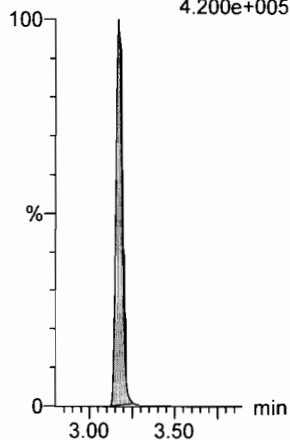
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.553e+005



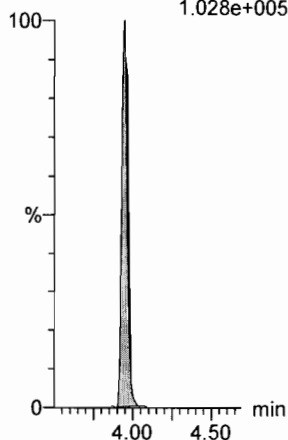
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.200e+005



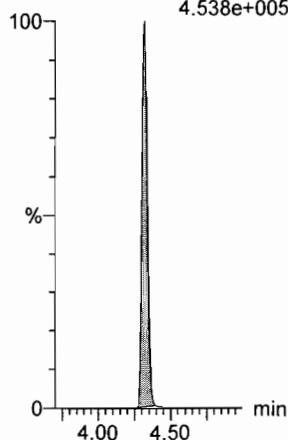
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
1.028e+005



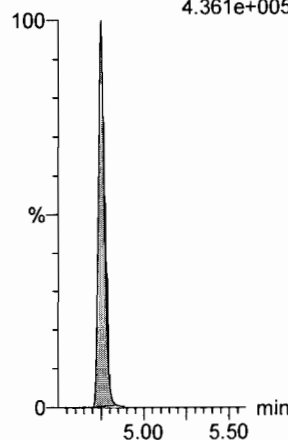
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
4.538e+005



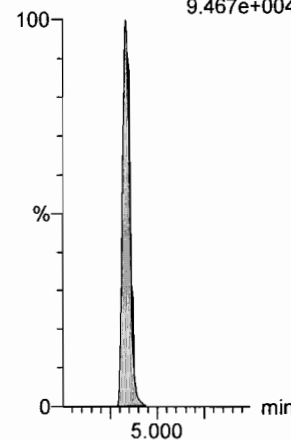
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
4.361e+005



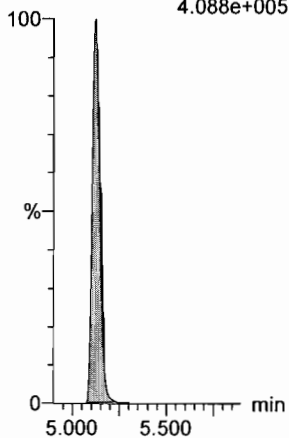
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
9.467e+004



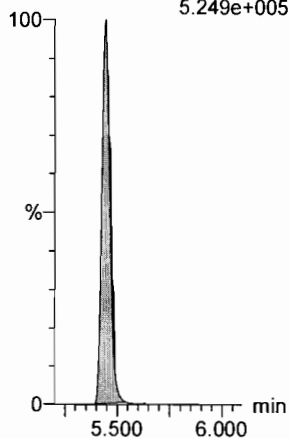
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
4.088e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-
570.1 > 524.8
5.249e+005



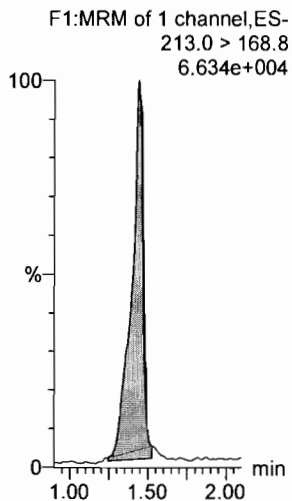
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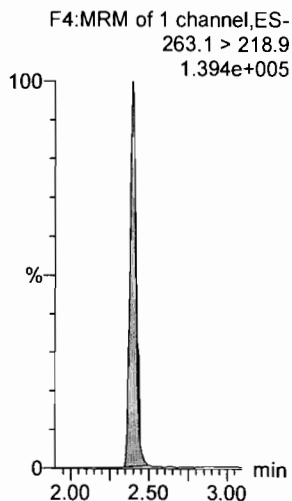
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_6, Date: 19-Apr-2018, Time: 20:47:11, ID: ST180419M2-5 PFC CS2 18D1706, Description: PFC CS2 18D1706

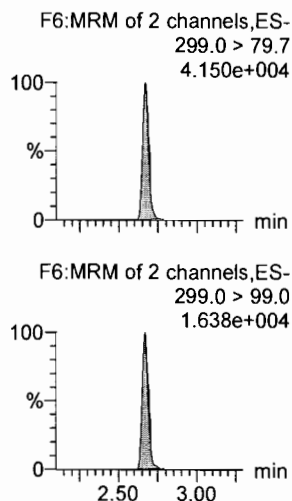
PFBA



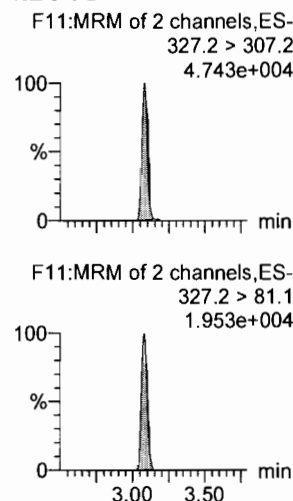
PFPeA



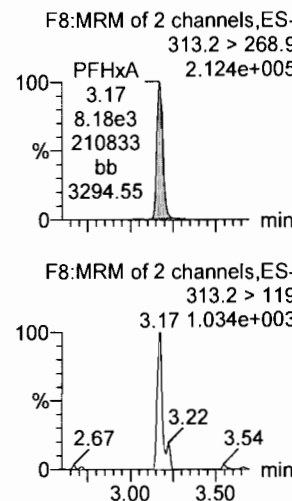
PFBS



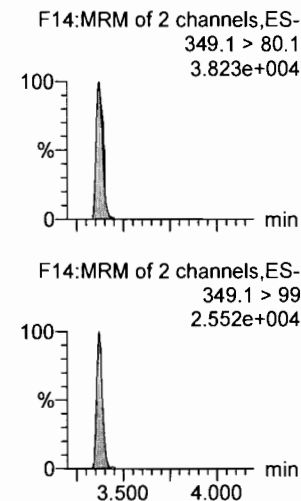
4:2 FTS



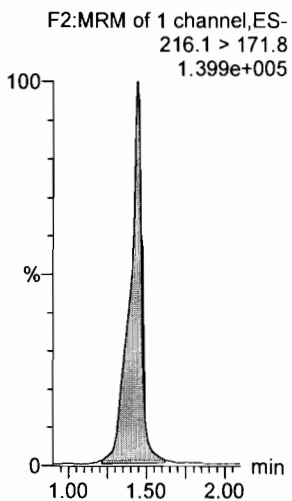
PFHxA



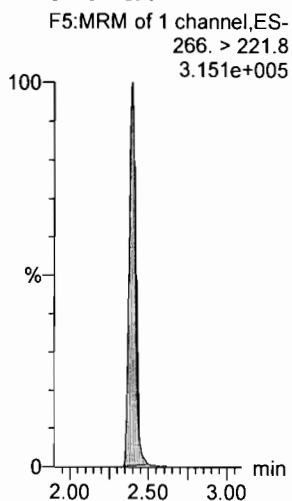
PFPeS



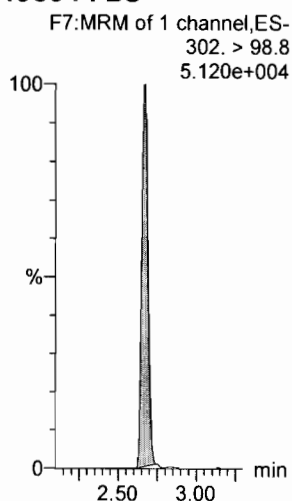
13C3-PFBA



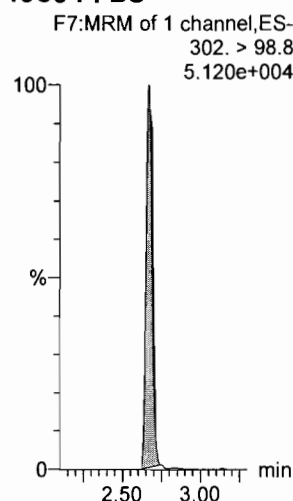
13C3-PFPeA



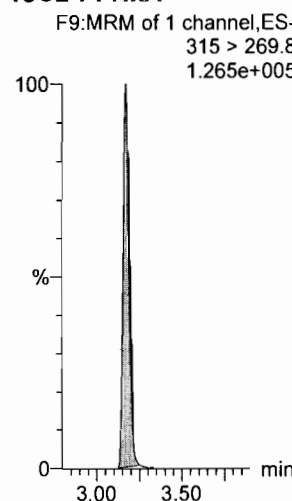
13C3-PFBS



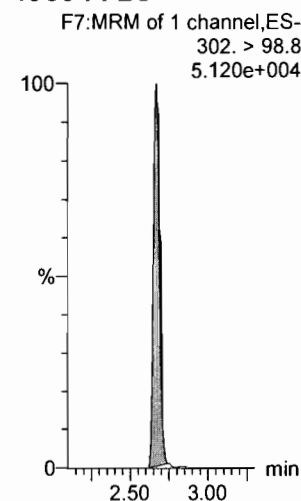
13C3-PFBS



13C2-PFHxA



13C3-PFBS



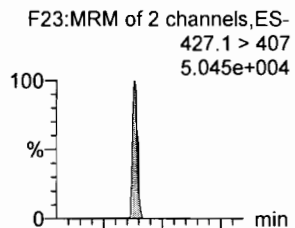
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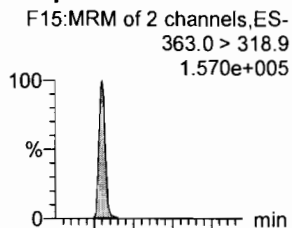
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Name: 180419M2_6, Date: 19-Apr-2018, Time: 20:47:11, ID: ST180419M2-5 PFC CS2 18D1706, Description: PFC CS2 18D1706

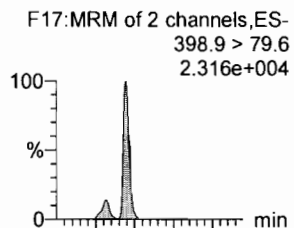
6:2 FTS



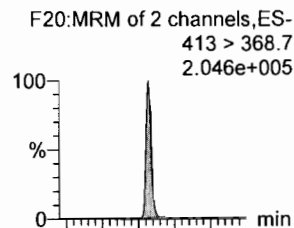
PFHpA



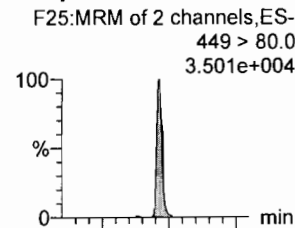
L-PFHxS



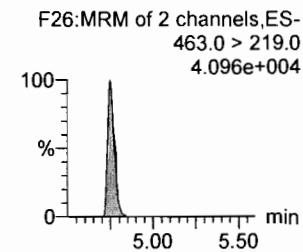
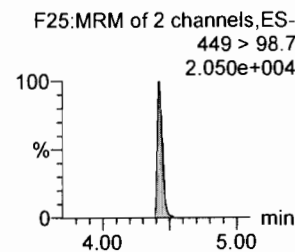
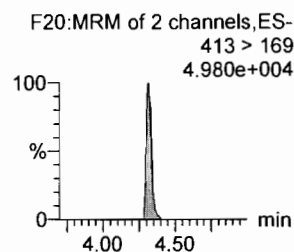
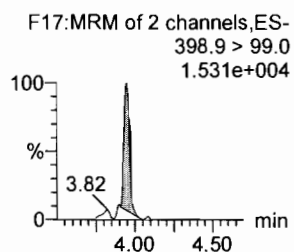
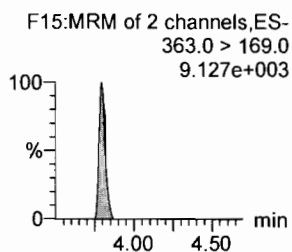
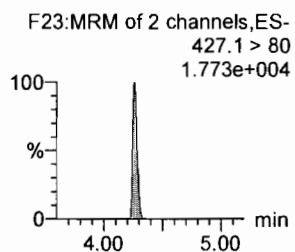
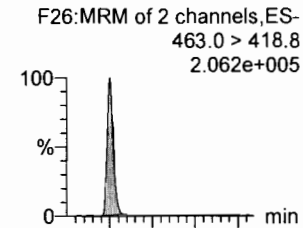
L-PFOA



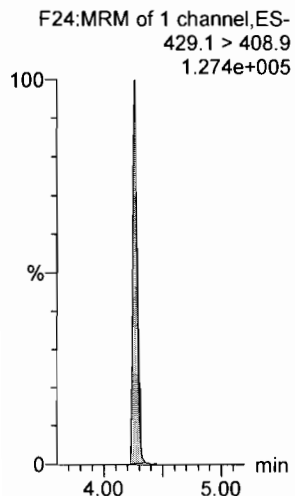
PFHpS



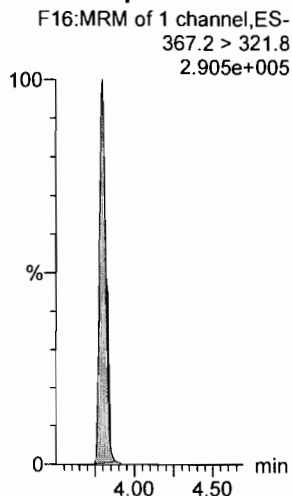
PFNA



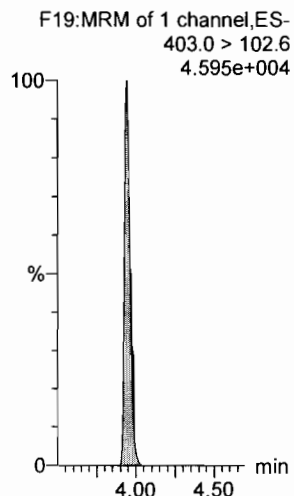
13C2-6:2 FTS



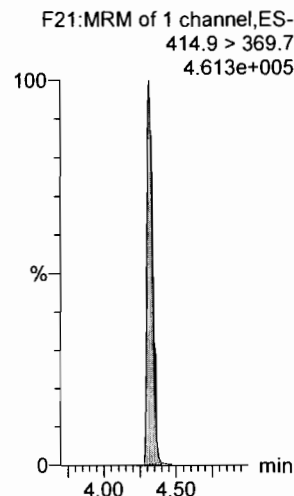
13C4-PFHpA



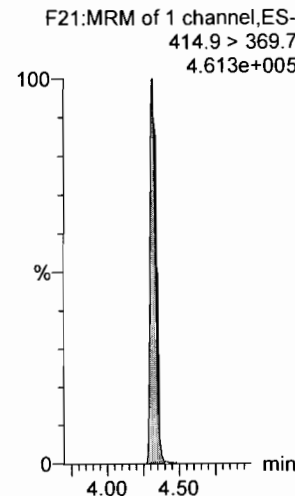
18O2-PFHxS



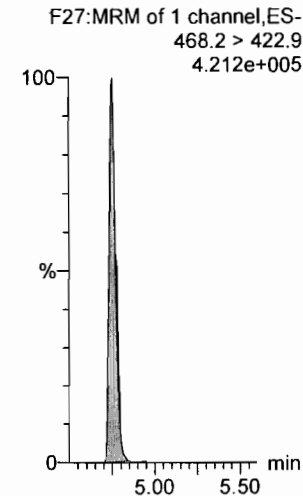
13C2-PFOA



13C2-PFOA



13C5-PFNA



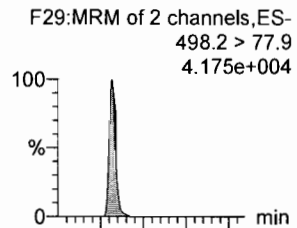
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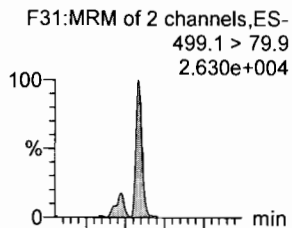
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Name: 180419M2_6, Date: 19-Apr-2018, Time: 20:47:11, ID: ST180419M2-5 PFC CS2 18D1706, Description: PFC CS2 18D1706

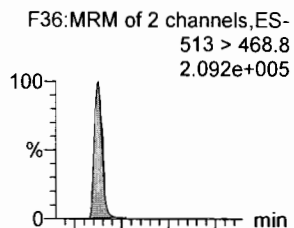
PFOSA



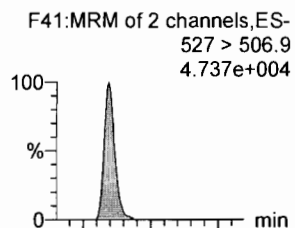
L-PFOS



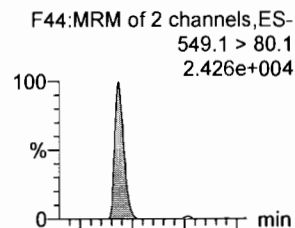
PFDA



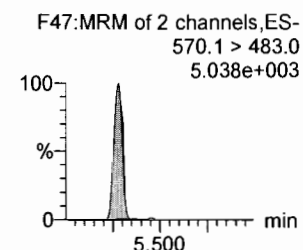
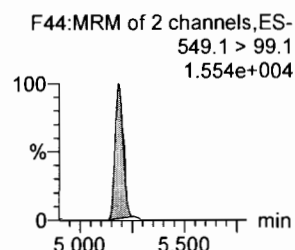
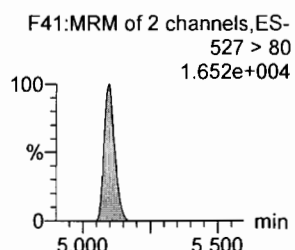
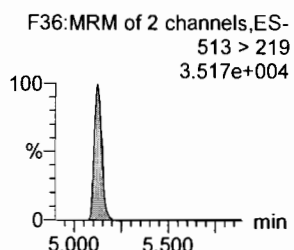
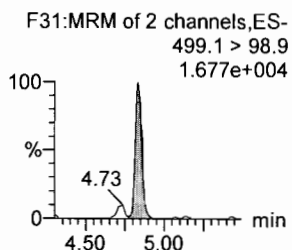
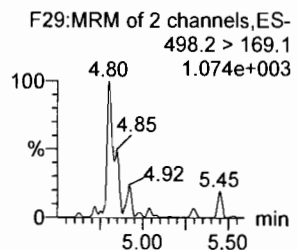
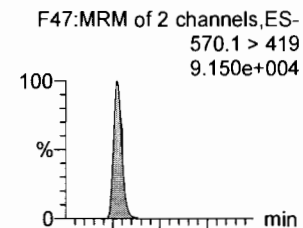
8:2 FTS



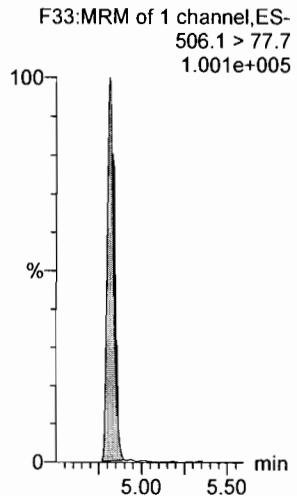
PFNS



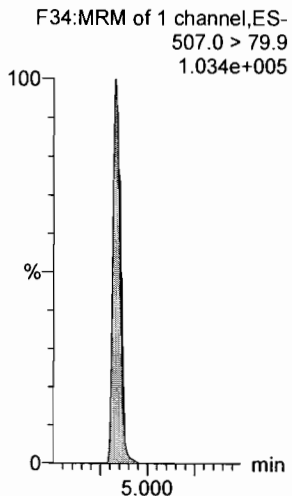
N-MeFOSAA



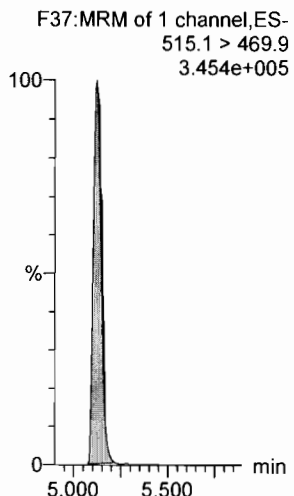
13C8-PFOSA



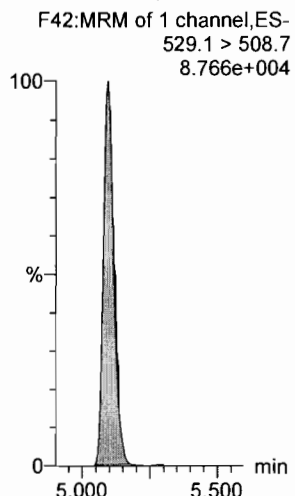
13C8-PFOS



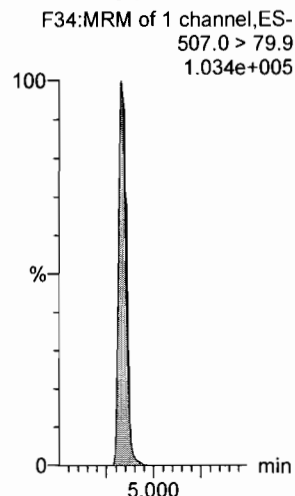
13C2-PFDA



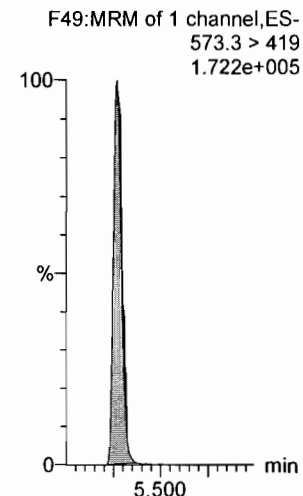
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



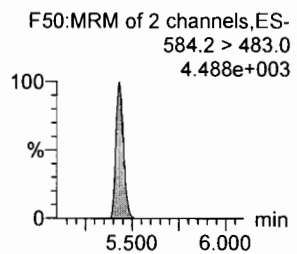
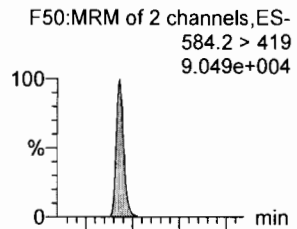
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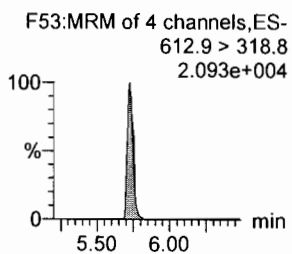
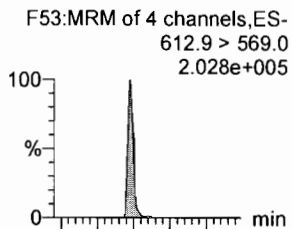
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Name: 180419M2_6, Date: 19-Apr-2018, Time: 20:47:11, ID: ST180419M2-5 PFC CS2 18D1706, Description: PFC CS2 18D1706

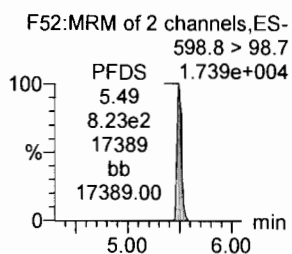
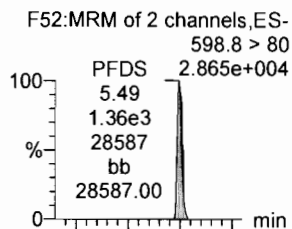
N-EtFOSAA



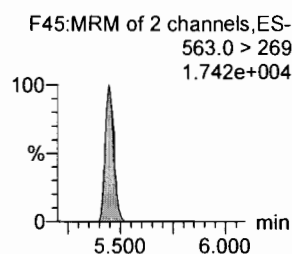
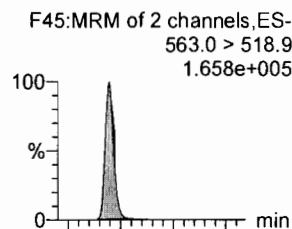
PFDoA



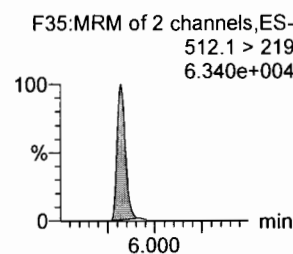
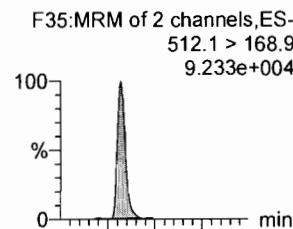
PFDS



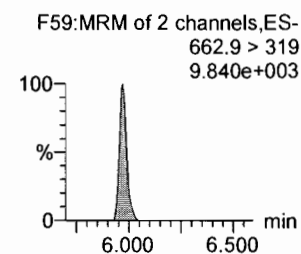
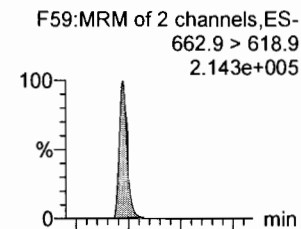
PFUdA



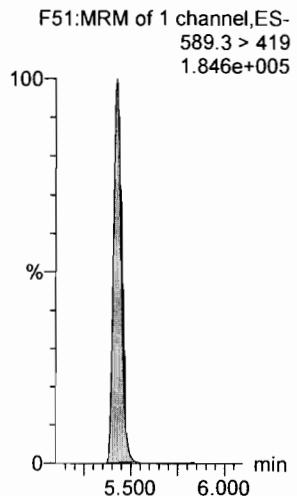
N-MeFOSA



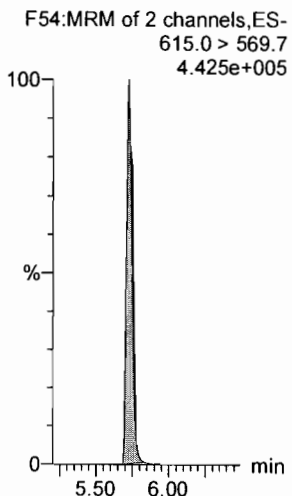
PFTrDA



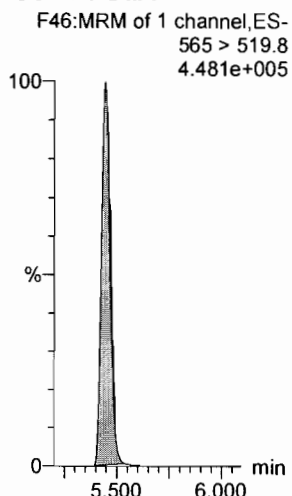
d5-N-EtFOSAA



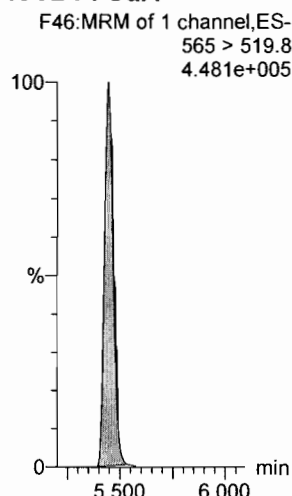
13C2-PFDoA



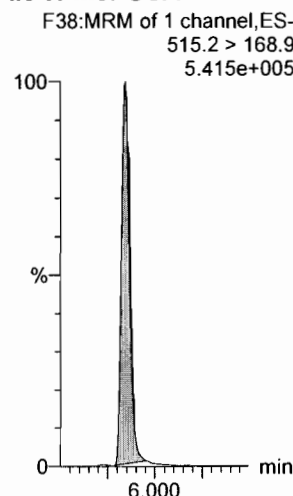
13C2-PFUdA



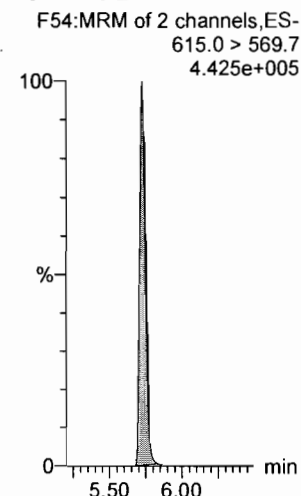
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

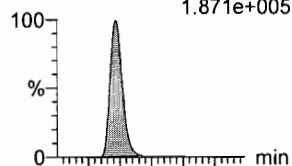
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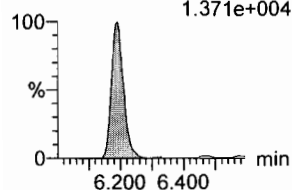
Name: 180419M2_6, Date: 19-Apr-2018, Time: 20:47:11, ID: ST180419M2-5 PFC CS2 18D1706, Description: PFC CS2 18D1706

PFTeDA

F60:MRM of 2 channels,ES-
712.9 > 668.8
1.871e+005

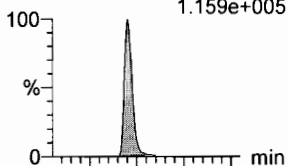


F60:MRM of 2 channels,ES-
712.9 > 369
1.371e+004

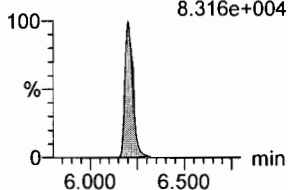


N-EtFOSA

F40:MRM of 2 channels,ES-
526.1 > 168.9
1.159e+005

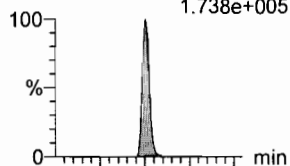


F40:MRM of 2 channels,ES-
526.1 > 219
8.316e+004

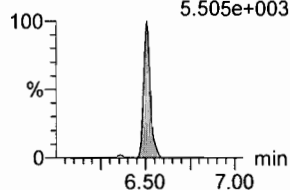


PFHxDA

F62:MRM of 2 channels,ES-
813.1 > 768.6
1.738e+005

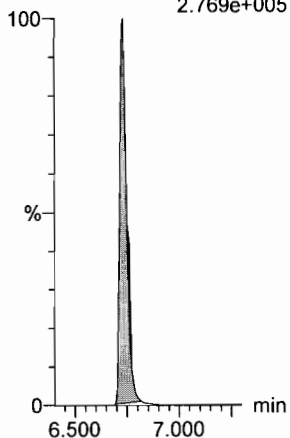


F62:MRM of 2 channels,ES-
813.1 > 219
5.505e+003



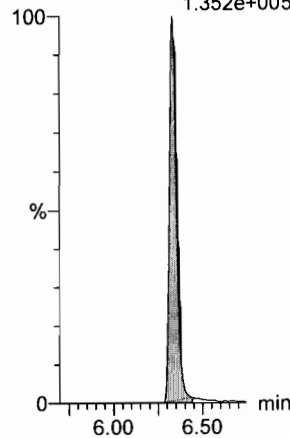
PFODA

F64:MRM of 1 channel,ES-
913.1 > 868.8
2.769e+005



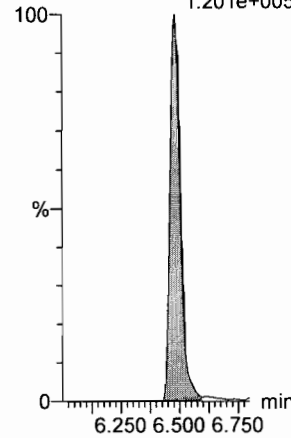
N-MeFOSE

F55:MRM of 1 channel,ES-
616.1 > 58.9
1.352e+005



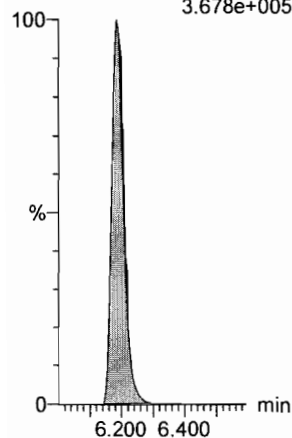
N-EtFOSE

F56:MRM of 1 channel,ES-
630.1 > 58.9
1.201e+005



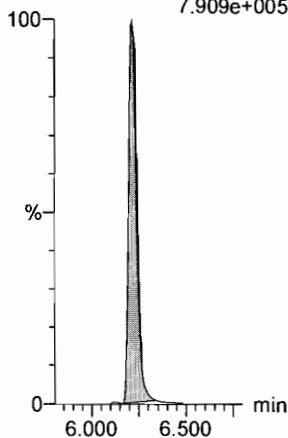
13C2-PFTeDA

F61:MRM of 2 channels,ES-
714.8 > 669.6
3.678e+005



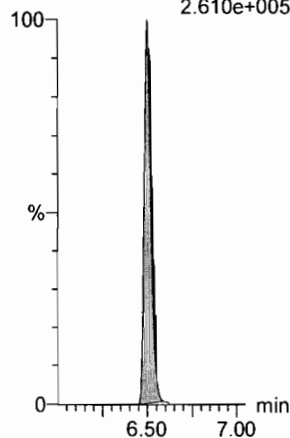
d5-N-ETFOSE

F43:MRM of 1 channel,ES-
531.1 > 168.9
7.909e+005



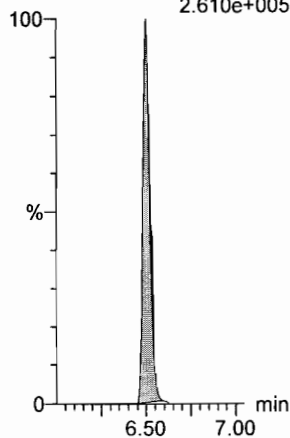
13C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
2.610e+005



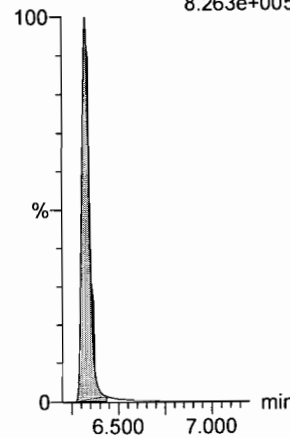
13C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
2.610e+005



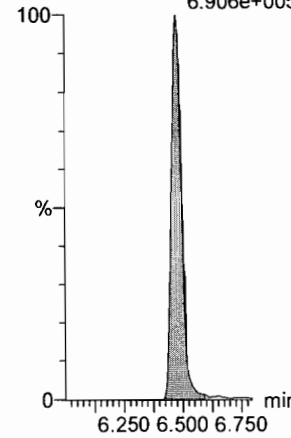
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
8.263e+005



d9-N-EtFOSE

F58:MRM of 1 channel,ES-
639.2 > 58.8
6.906e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

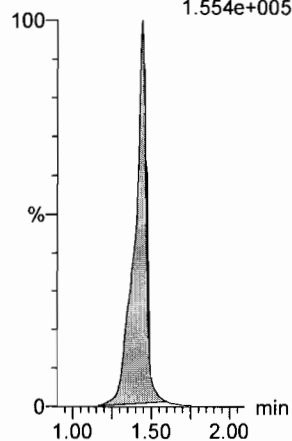
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_6, Date: 19-Apr-2018, Time: 20:47:11, ID: ST180419M2-5 PFC CS2 18D1706, Description: PFC CS2 18D1706

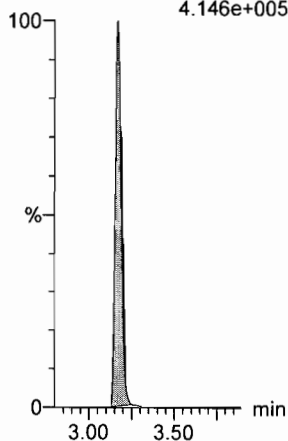
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.554e+005



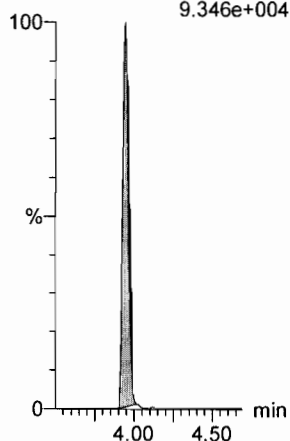
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.146e+005



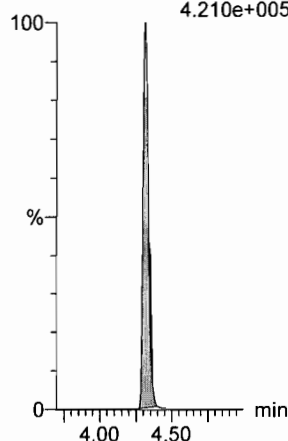
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
9.346e+004



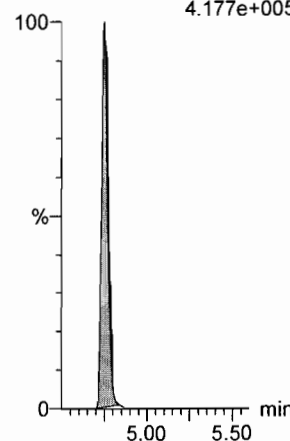
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
4.210e+005



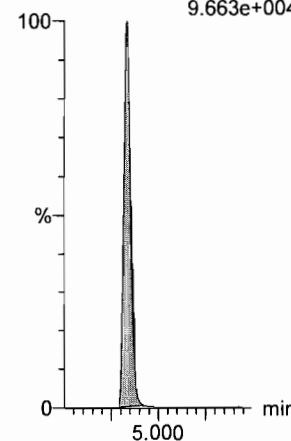
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
4.177e+005



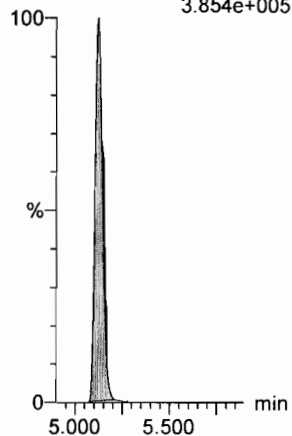
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
9.663e+004



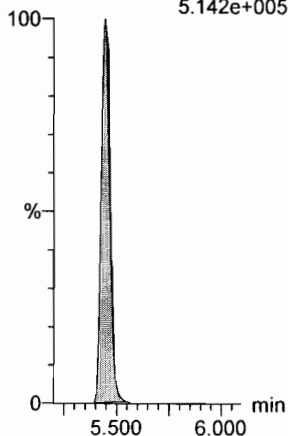
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
3.854e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-
570.1 > 524.8
5.142e+005



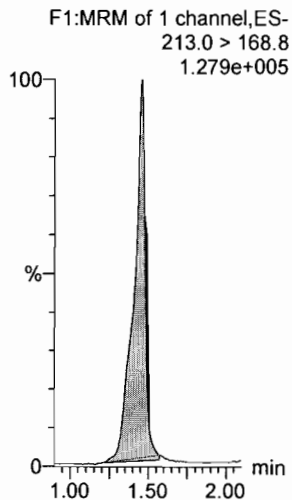
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

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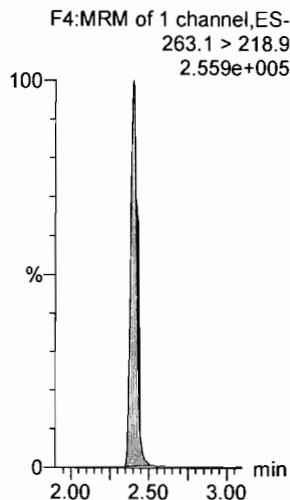
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_7, Date: 19-Apr-2018, Time: 20:58:40, ID: ST180419M2-6 PFC CS3 18D1707, Description: PFC CS3 18D1707

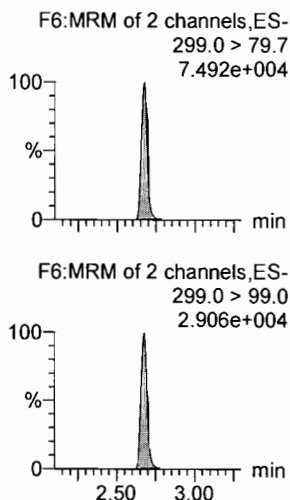
PFBA



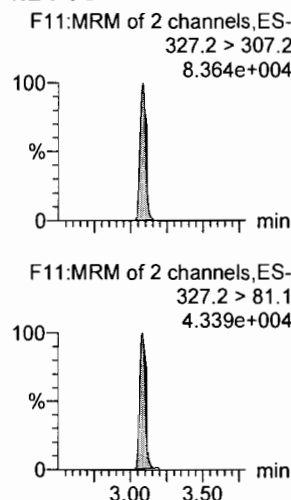
PFPeA



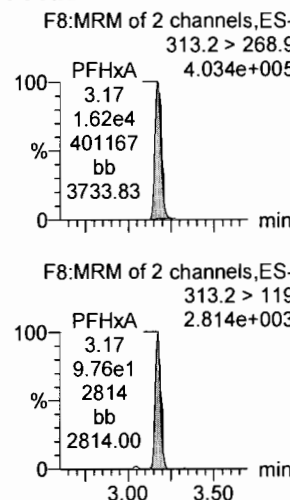
PFBS



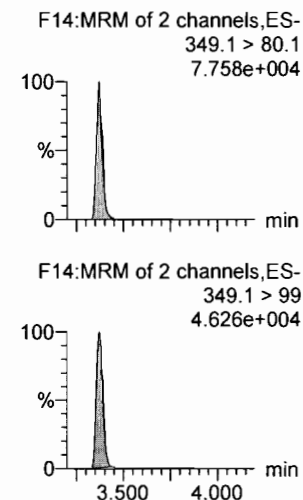
4:2 FTS



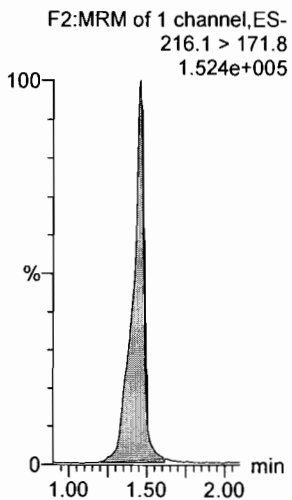
PFHxA



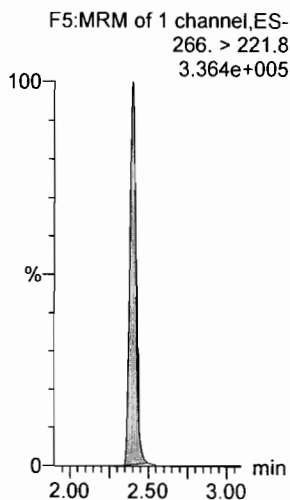
PFPeS



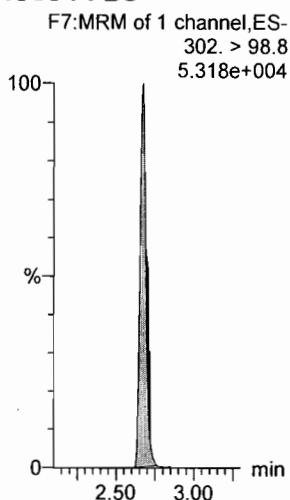
13C3-PFBA



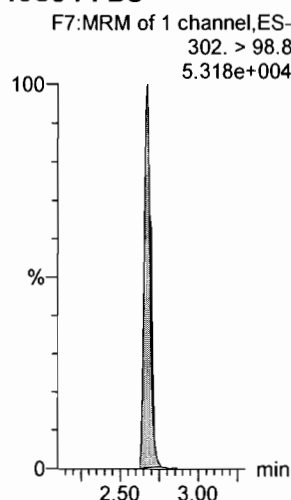
13C3-PFPeA



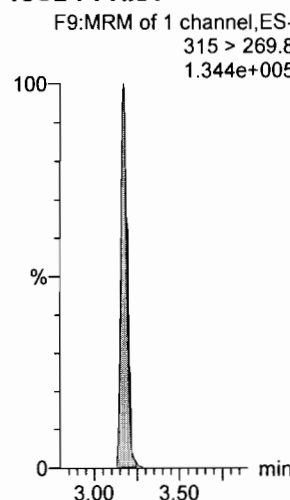
13C3-PFBS



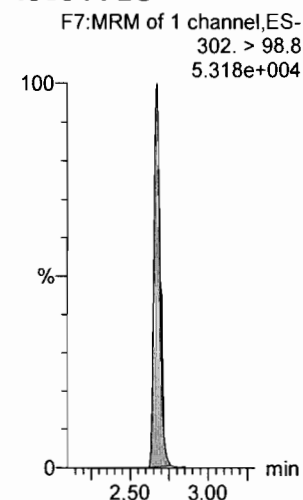
13C3-PFBS



13C2-PFHxA



13C3-PFBS

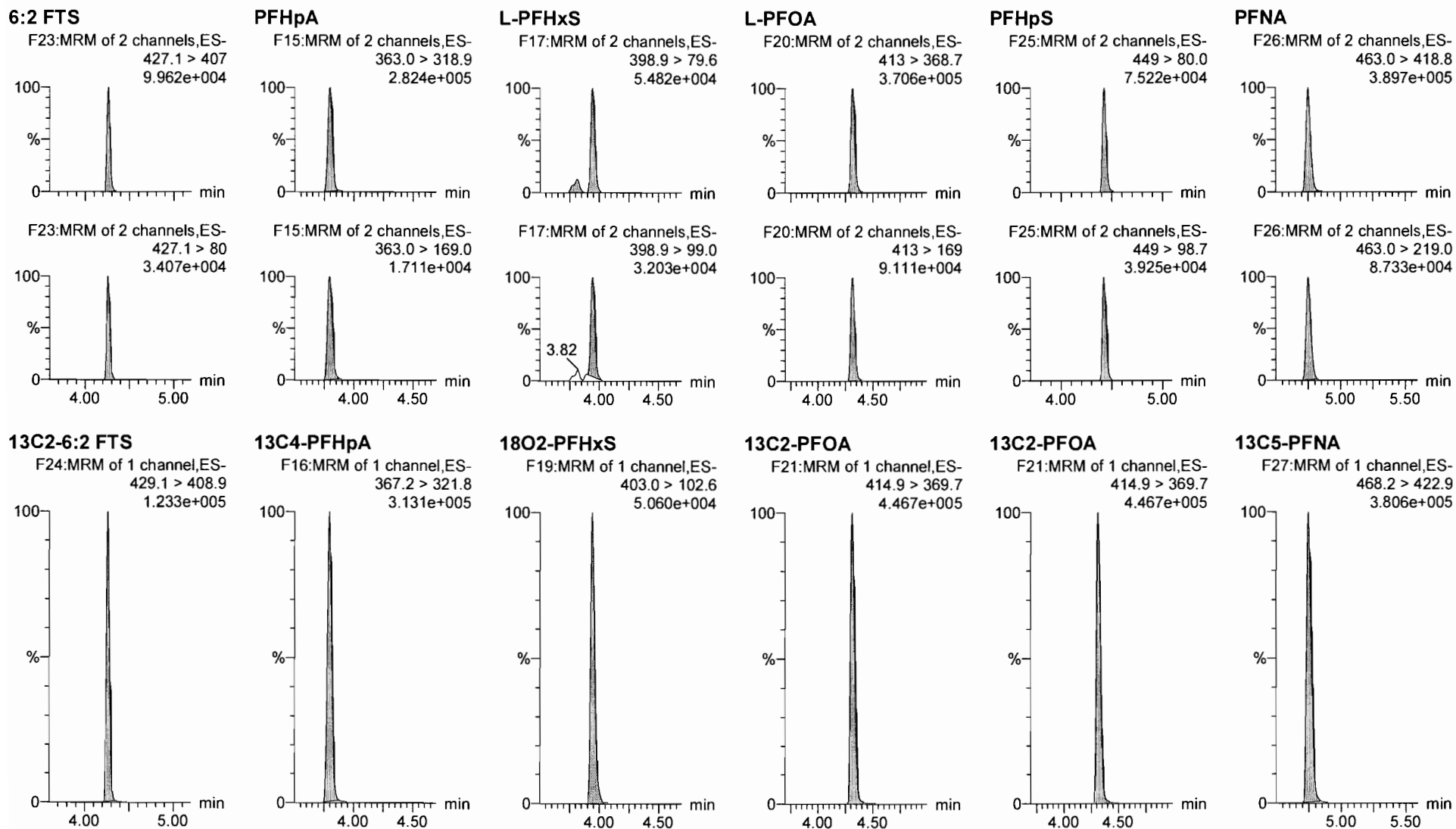


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_7, Date: 19-Apr-2018, Time: 20:58:40, ID: ST180419M2-6 PFC CS3 18D1707, Description: PFC CS3 18D1707



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

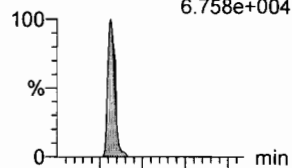
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

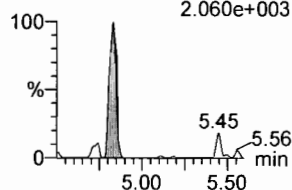
Name: 180419M2_7, Date: 19-Apr-2018, Time: 20:58:40, ID: ST180419M2-6 PFC CS3 18D1707, Description: PFC CS3 18D1707

PFOSA

F29:MRM of 2 channels,ES-
498.2 > 77.9
6.758e+004

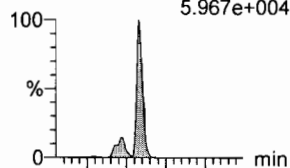


F29:MRM of 2 channels,ES-
498.2 > 169.1
2.060e+003

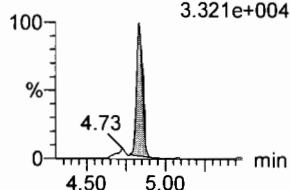


L-PFOS

F31:MRM of 2 channels,ES-
499.1 > 79.9
5.967e+004

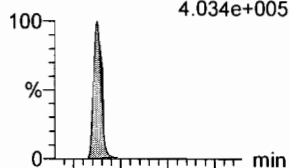


F31:MRM of 2 channels,ES-
499.1 > 98.9
3.321e+004

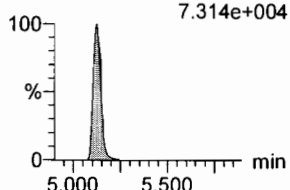


PFDA

F36:MRM of 2 channels,ES-
513 > 468.8
4.034e+005

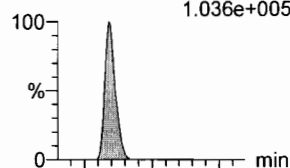


F36:MRM of 2 channels,ES-
513 > 219
7.314e+004

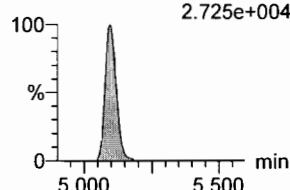


8:2 FTS

F41:MRM of 2 channels,ES-
527 > 506.9
1.036e+005

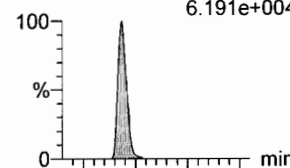


F41:MRM of 2 channels,ES-
527 > 80
2.725e+004

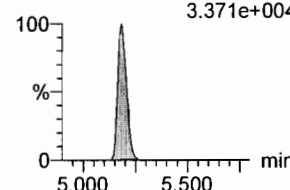


PFNS

F44:MRM of 2 channels,ES-
549.1 > 80.1
6.191e+004

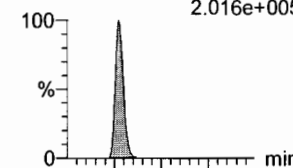


F44:MRM of 2 channels,ES-
549.1 > 99.1
3.371e+004

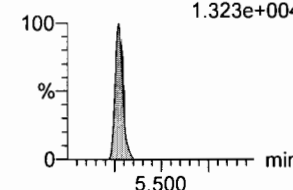


N-MeFOSAA

F47:MRM of 2 channels,ES-
570.1 > 419
2.016e+005

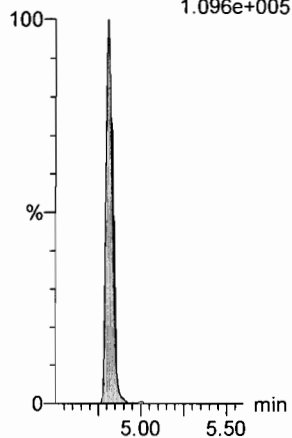


F47:MRM of 2 channels,ES-
570.1 > 483.0
1.323e+004



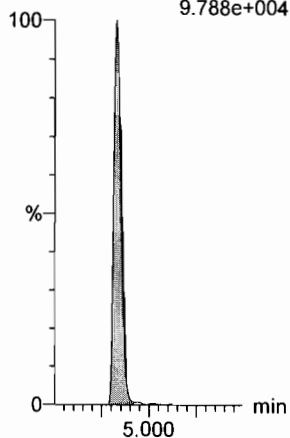
13C8-PFOSA

F33:MRM of 1 channel,ES-
506.1 > 77.7
1.096e+005



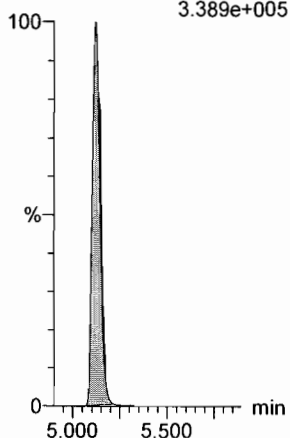
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
9.788e+004



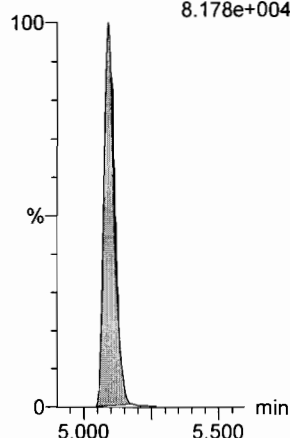
13C2-PFDA

F37:MRM of 1 channel,ES-
515.1 > 469.9
3.389e+005



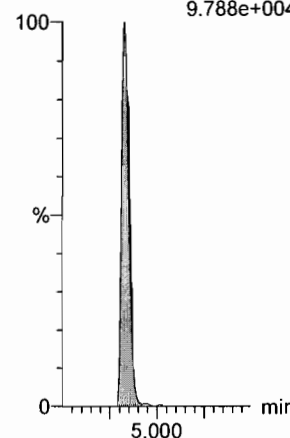
13C2-8:2 FTS

F42:MRM of 1 channel,ES-
529.1 > 508.7
8.178e+004



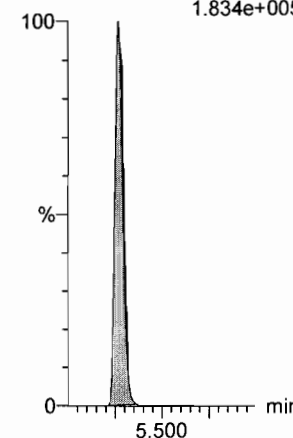
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
9.788e+004



d3-N-MeFOSAA

F49:MRM of 1 channel,ES-
573.3 > 419
1.834e+005



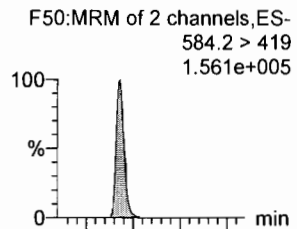
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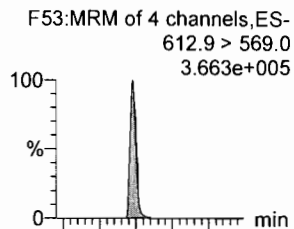
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_7, Date: 19-Apr-2018, Time: 20:58:40, ID: ST180419M2-6 PFC CS3 18D1707, Description: PFC CS3 18D1707

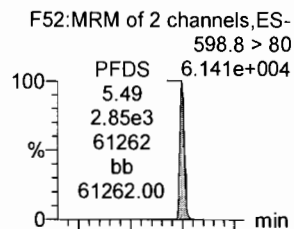
N-EtFOSAA



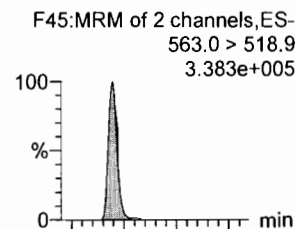
PFDoA



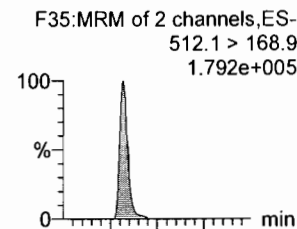
PFDS



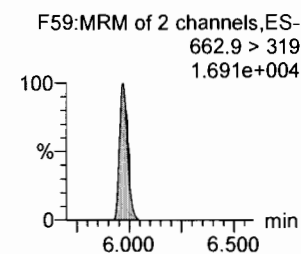
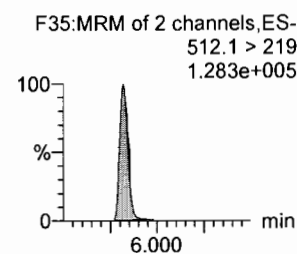
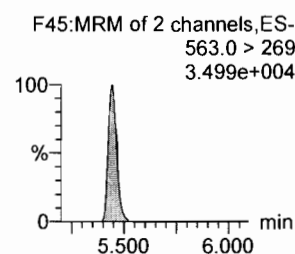
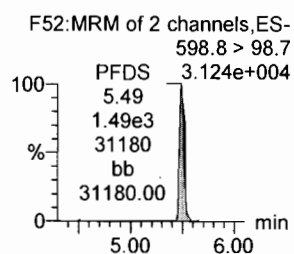
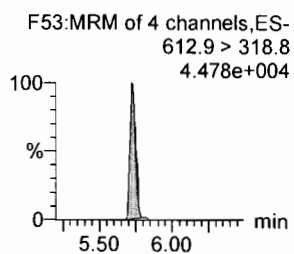
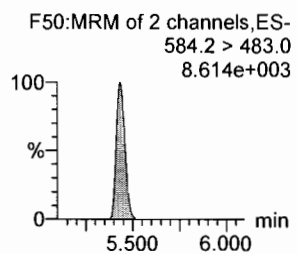
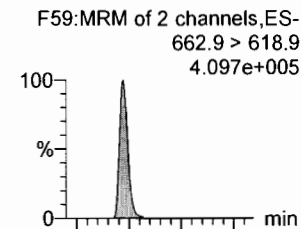
PFUdA



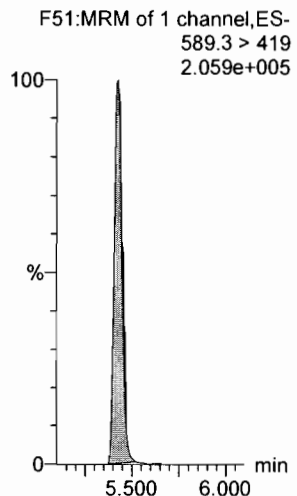
N-MeFOSA



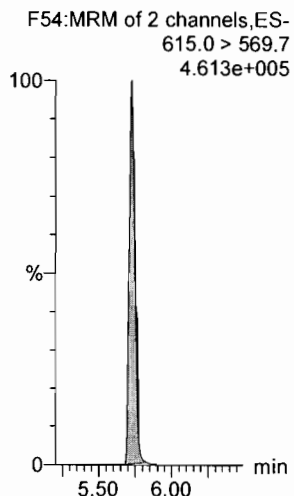
PFTrDA



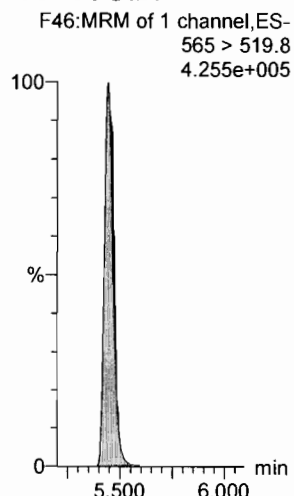
d5-N-EtFOSAA



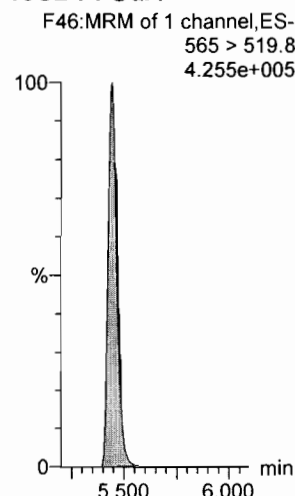
13C2-PFDoA



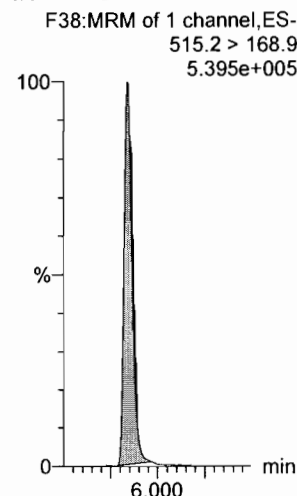
13C2-PFUdA



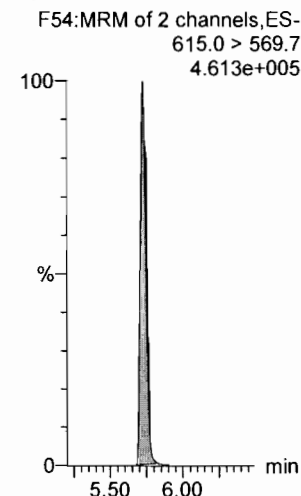
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

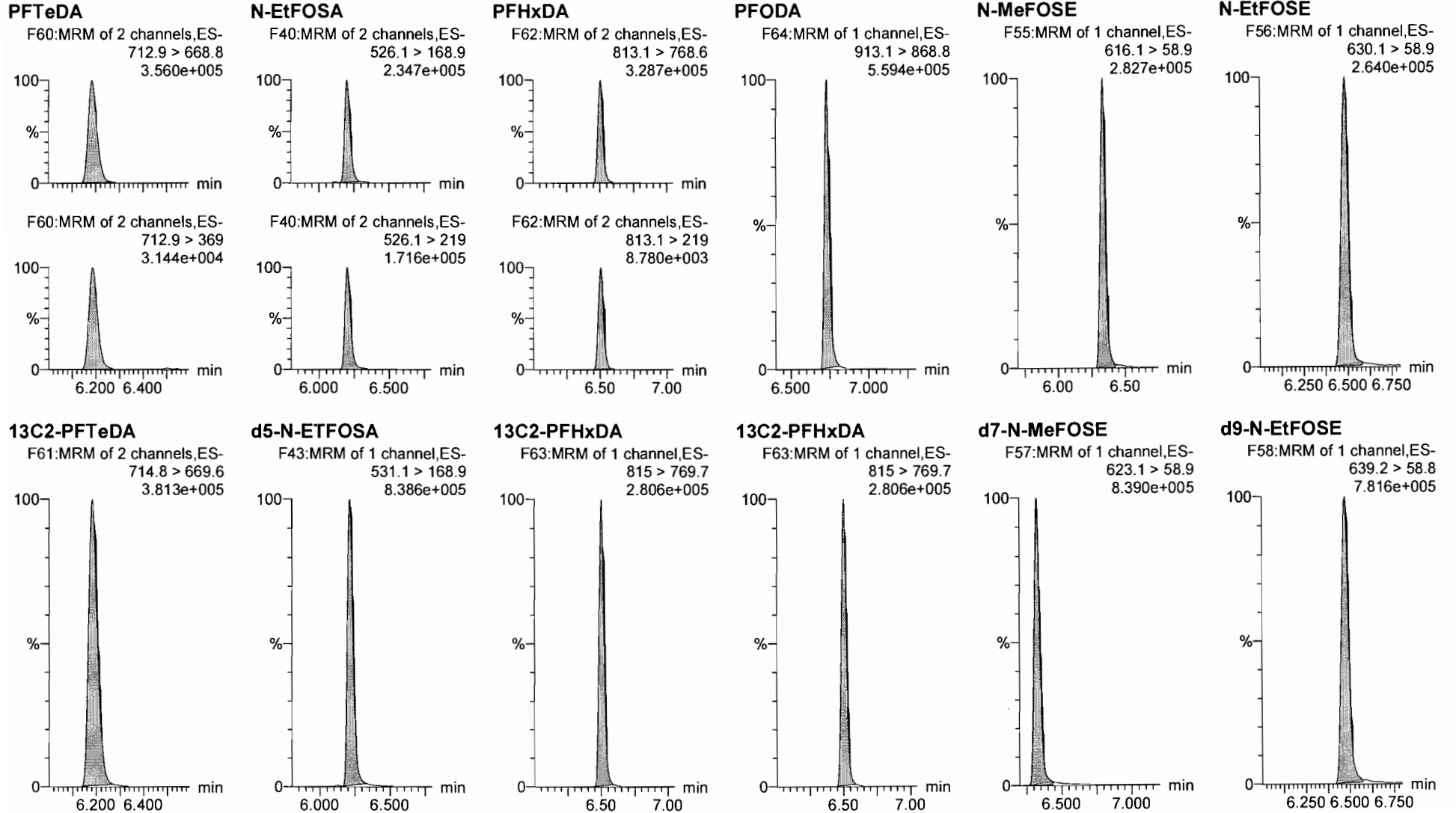


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Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_7, Date: 19-Apr-2018, Time: 20:58:40, ID: ST180419M2-6 PFC CS3 18D1707, Description: PFC CS3 18D1707



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

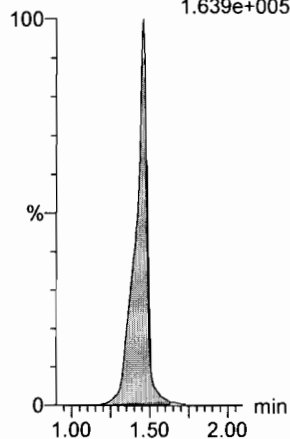
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_7, Date: 19-Apr-2018, Time: 20:58:40, ID: ST180419M2-6 PFC CS3 18D1707, Description: PFC CS3 18D1707

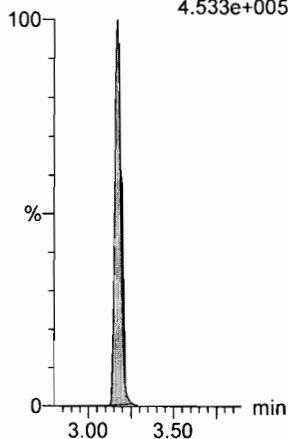
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.639e+005



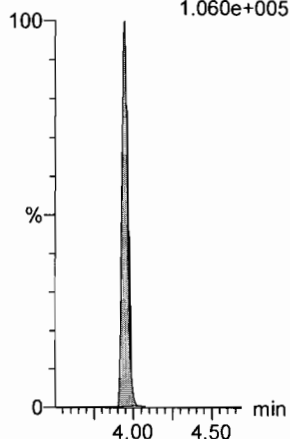
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.533e+005



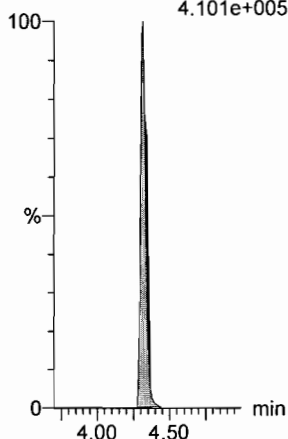
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
1.060e+005



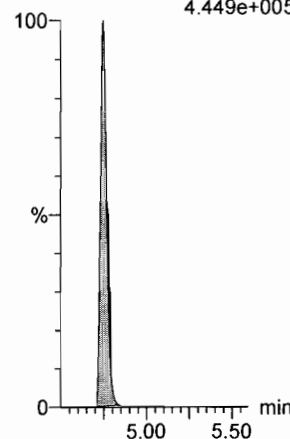
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
4.101e+005



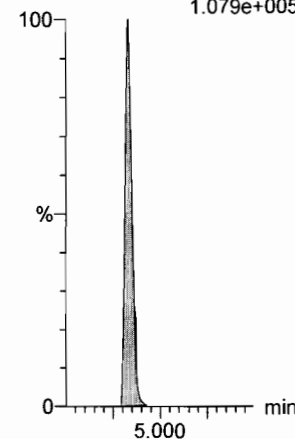
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
4.449e+005



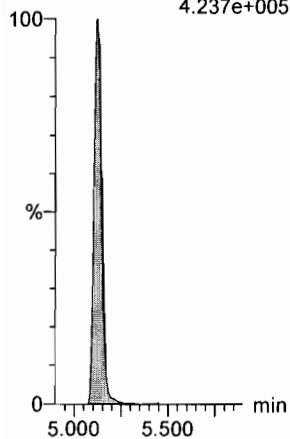
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
1.079e+005



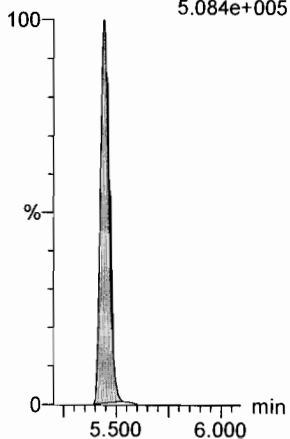
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
4.237e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-
570.1 > 524.8
5.084e+005



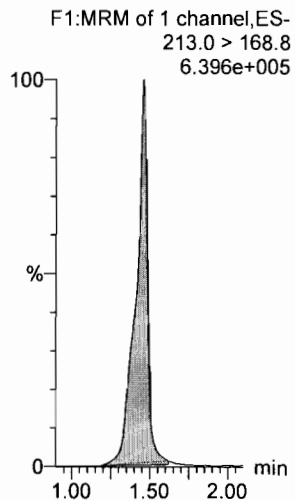
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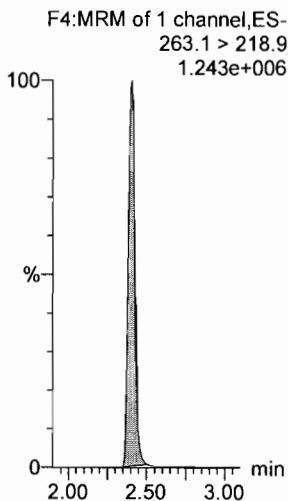
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Name: 180419M2_8, Date: 19-Apr-2018, Time: 21:10:07, ID: ST180419M2-7 PFC CS4 18D1708, Description: PFC CS4 18D1708

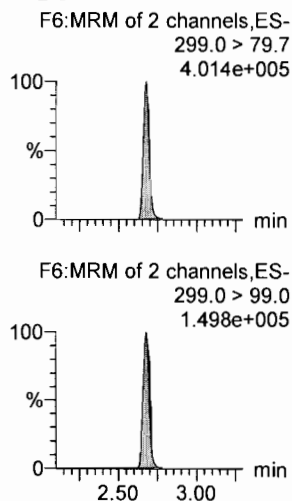
PFBA



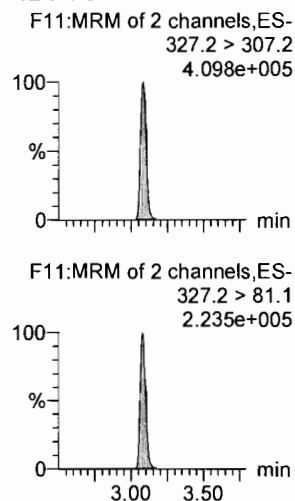
PFPeA



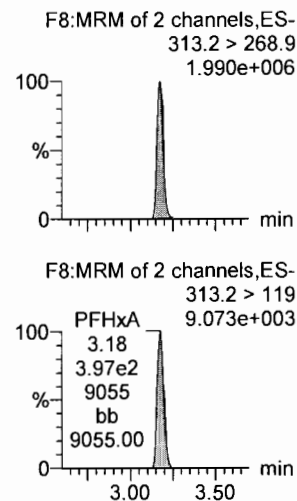
PFBS



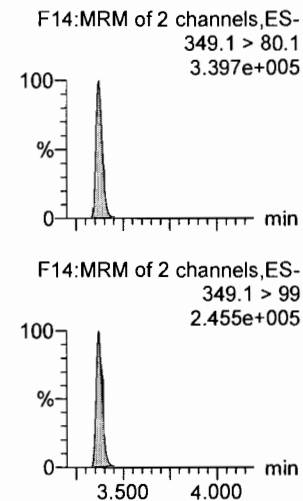
4:2 FTS



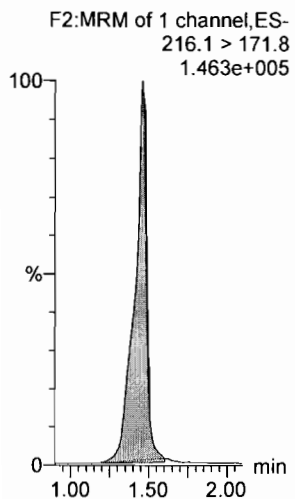
PFHxA



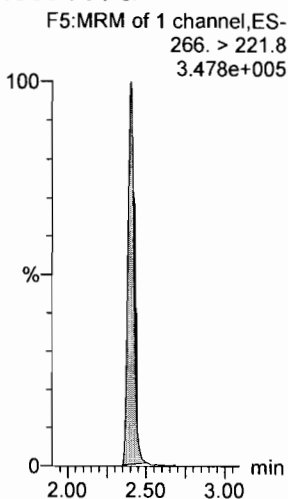
PFPeS



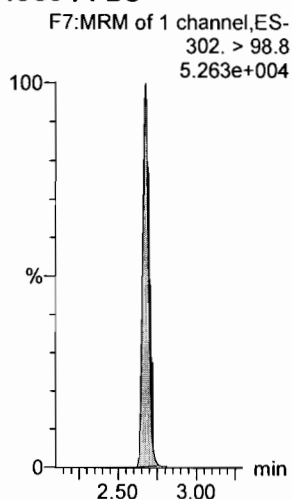
13C3-PFBA



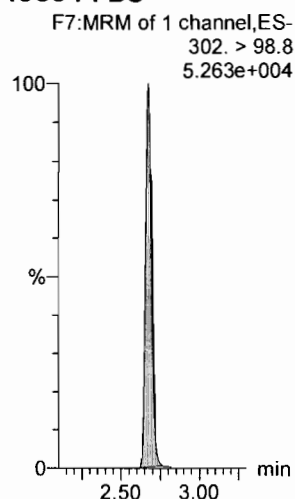
13C3-PFPeA



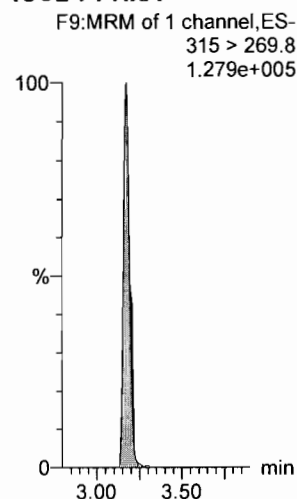
13C3-PFBS



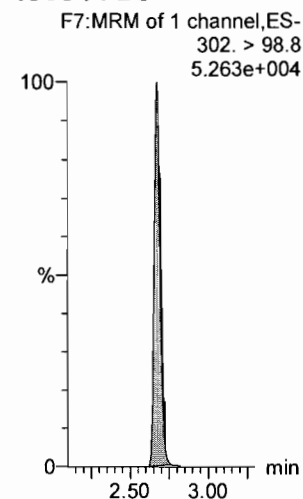
13C3-PFBS



13C2-PFHxA



13C3-PFBS



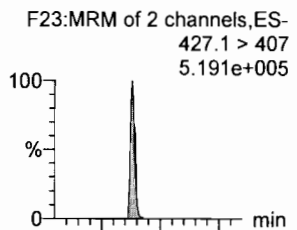
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

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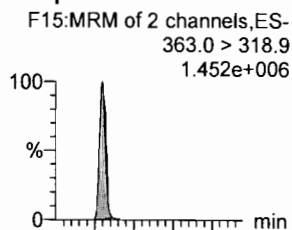
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_8, Date: 19-Apr-2018, Time: 21:10:07, ID: ST180419M2-7 PFC CS4 18D1708, Description: PFC CS4 18D1708

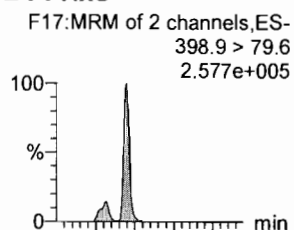
6:2 FTS



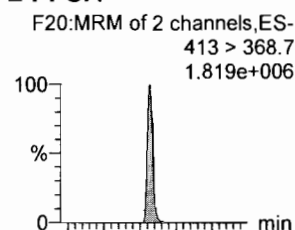
PFHpA



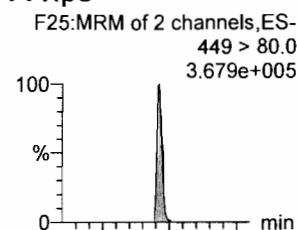
L-PFHxS



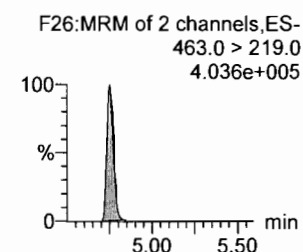
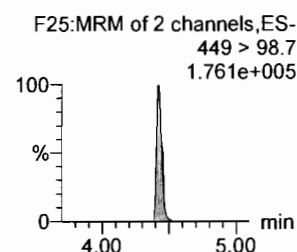
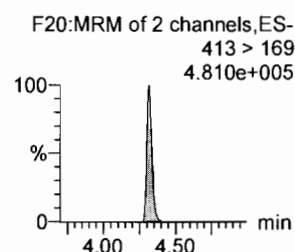
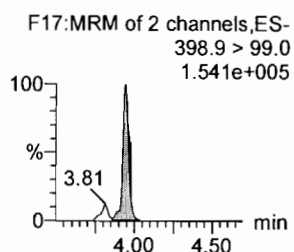
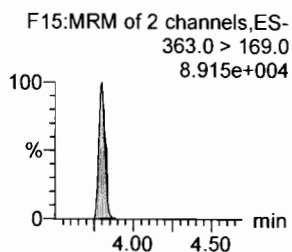
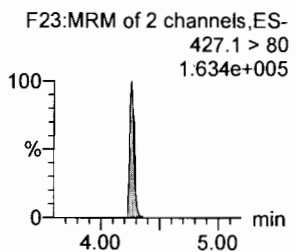
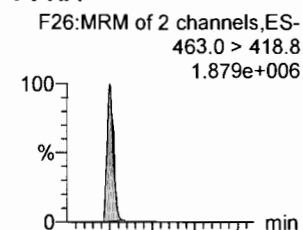
L-PFOA



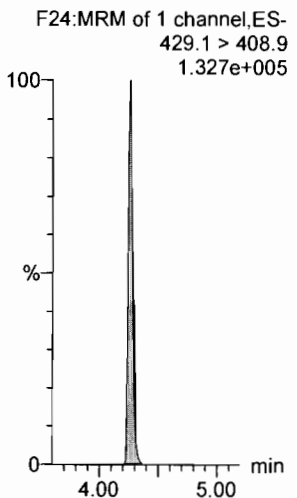
PFHpS



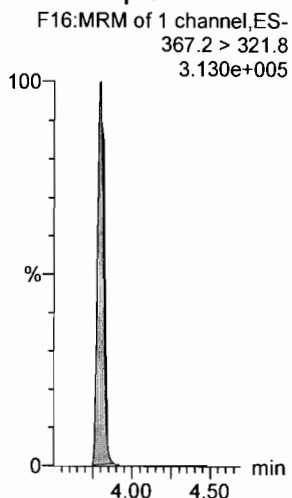
PFNA



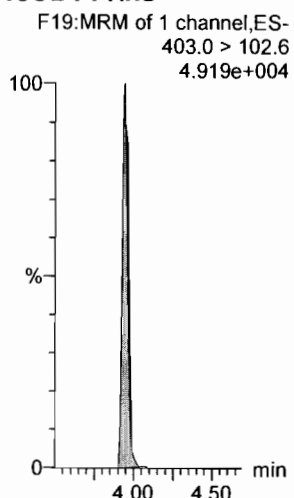
13C2-6:2 FTS



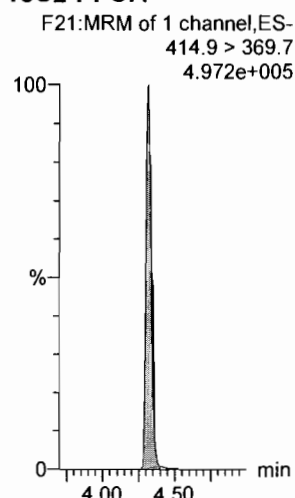
13C4-PFHpA



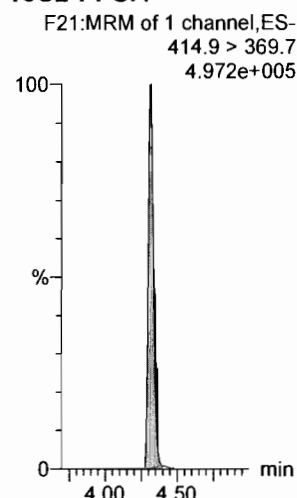
18O2-PFHxS



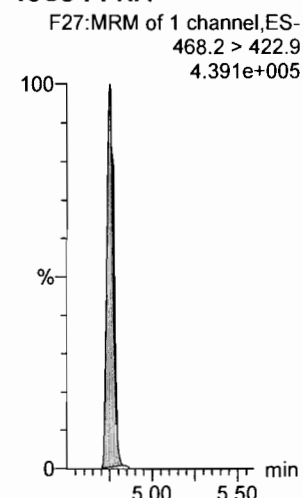
13C2-PFOA



13C2-PFOA



13C5-PFNA



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

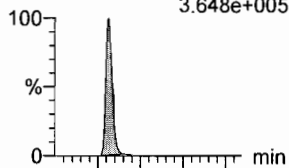
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

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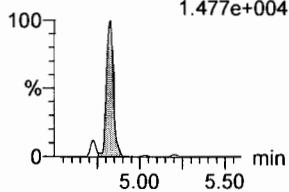
Name: 180419M2_8, Date: 19-Apr-2018, Time: 21:10:07, ID: ST180419M2-7 PFC CS4 18D1708, Description: PFC CS4 18D1708

PFOSA

F29:MRM of 2 channels,ES-
498.2 > 77.9
3.648e+005

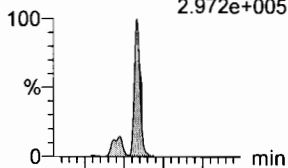


F29:MRM of 2 channels,ES-
498.2 > 169.1
1.477e+004

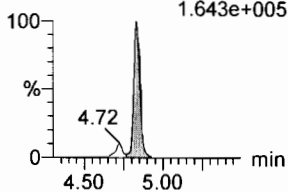


L-PFOS

F31:MRM of 2 channels,ES-
499.1 > 79.9
2.972e+005

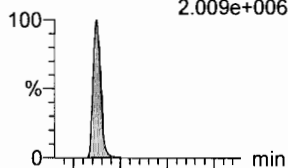


F31:MRM of 2 channels,ES-
499.1 > 98.9
1.643e+005

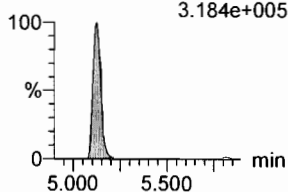


PFDA

F36:MRM of 2 channels,ES-
513 > 468.8
2.009e+006

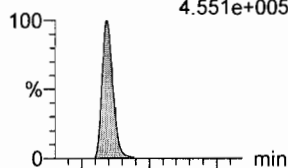


F36:MRM of 2 channels,ES-
513 > 219
3.184e+005

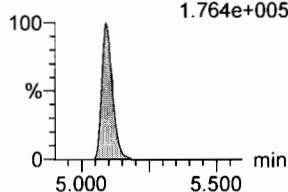


8:2 FTS

F41:MRM of 2 channels,ES-
527 > 506.9
4.551e+005

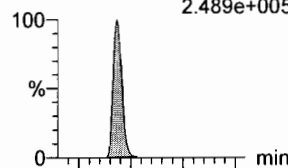


F41:MRM of 2 channels,ES-
527 > 80
1.764e+005

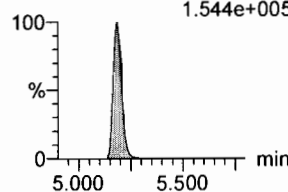


PFNS

F44:MRM of 2 channels,ES-
549.1 > 80.1
2.489e+005

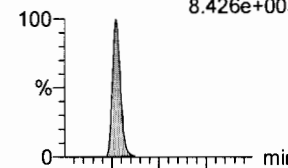


F44:MRM of 2 channels,ES-
549.1 > 99.1
1.544e+005

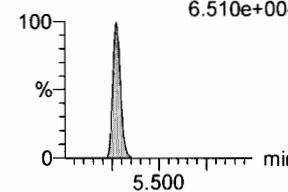


N-MeFOSAA

F47:MRM of 2 channels,ES-
570.1 > 419
8.426e+005

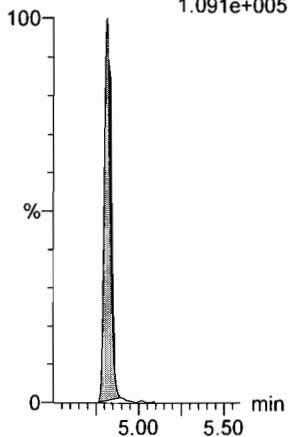


F47:MRM of 2 channels,ES-
570.1 > 483.0
6.510e+004



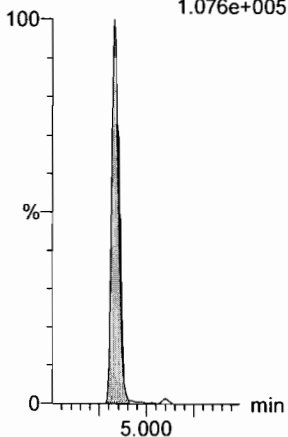
13C8-PFOSA

F33:MRM of 1 channel,ES-
506.1 > 77.7
1.091e+005



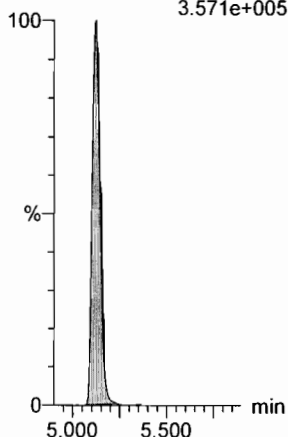
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
1.076e+005



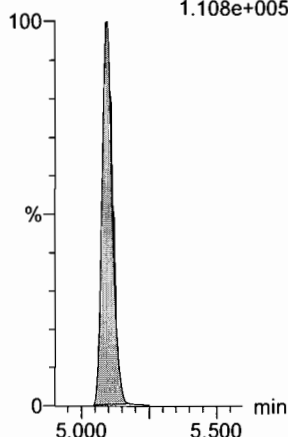
13C2-PFDA

F37:MRM of 1 channel,ES-
515.1 > 469.9
3.571e+005



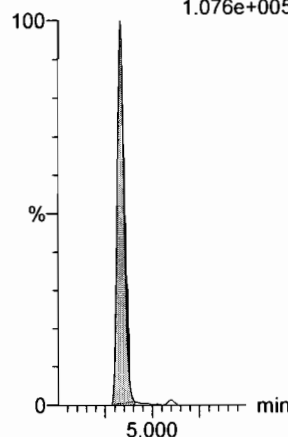
13C2-8:2 FTS

F42:MRM of 1 channel,ES-
529.1 > 508.7
1.108e+005



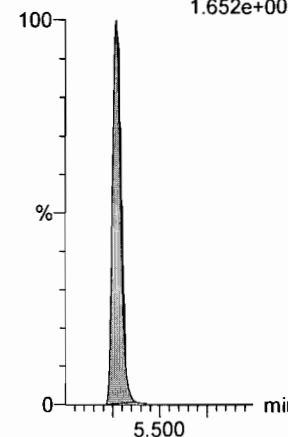
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
1.076e+005



d3-N-MeFOSAA

F49:MRM of 1 channel,ES-
573.3 > 419
1.652e+005

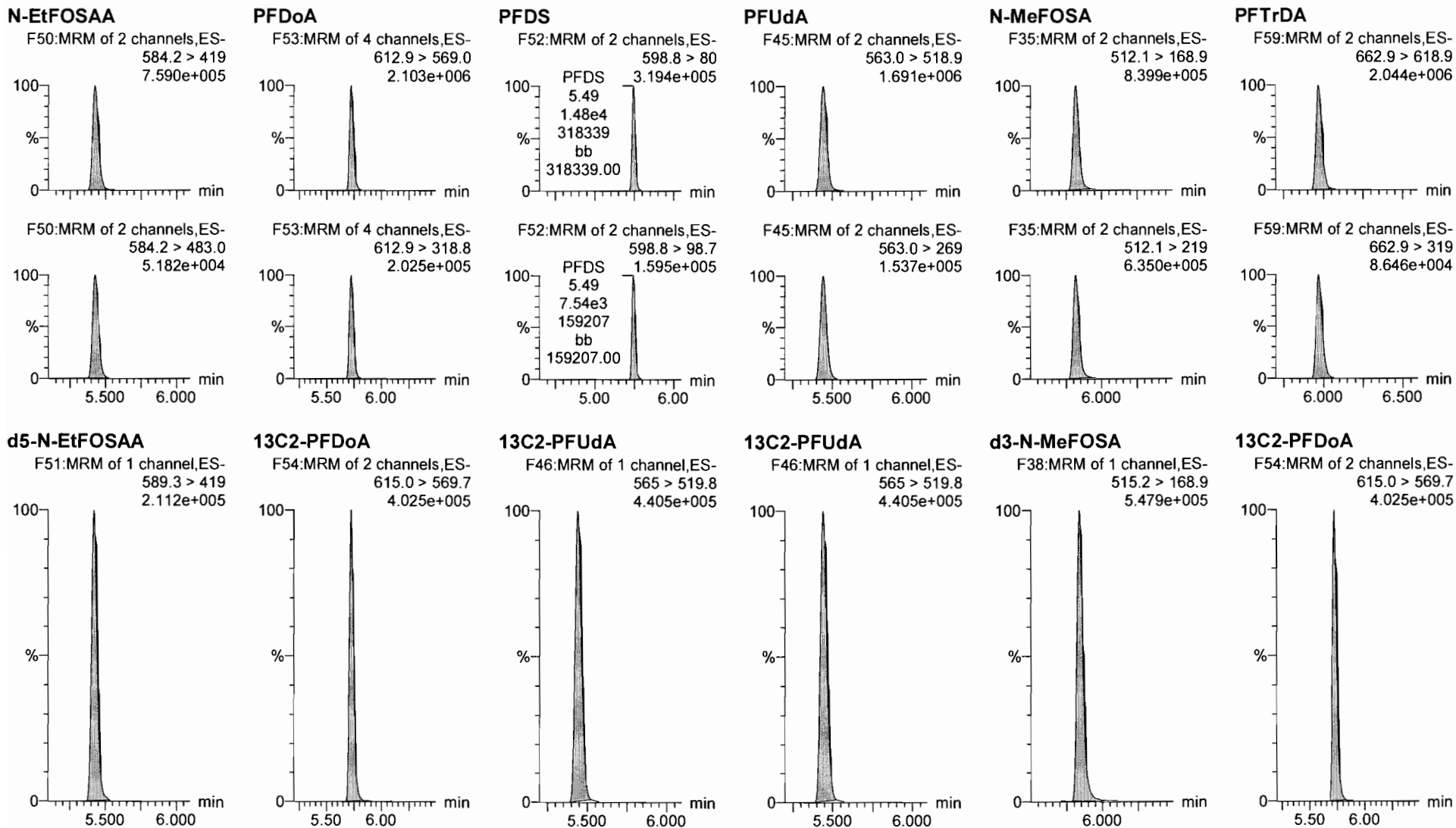


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

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Name: 180419M2_8, Date: 19-Apr-2018, Time: 21:10:07, ID: ST180419M2-7 PFC CS4 18D1708, Description: PFC CS4 18D1708



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

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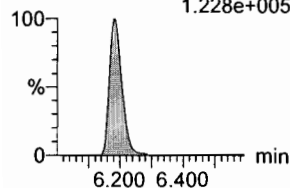
Name: 180419M2_8, Date: 19-Apr-2018, Time: 21:10:07, ID: ST180419M2-7 PFC CS4 18D1708, Description: PFC CS4 18D1708

PFTeDA

F60:MRM of 2 channels,ES-
712.9 > 668.8
1.603e+006

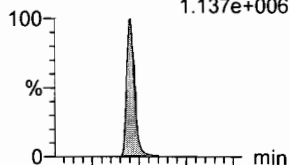


F60:MRM of 2 channels,ES-
712.9 > 369
1.228e+005

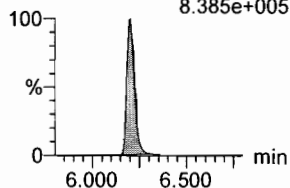


N-EtFOSA

F40:MRM of 2 channels,ES-
526.1 > 168.9
1.137e+006

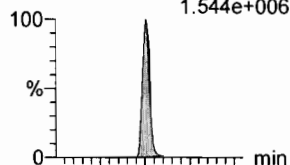


F40:MRM of 2 channels,ES-
526.1 > 219
8.385e+005

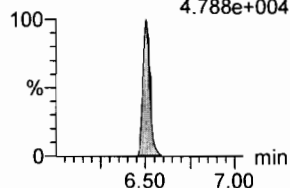


PFHxDA

F62:MRM of 2 channels,ES-
813.1 > 768.6
1.544e+006

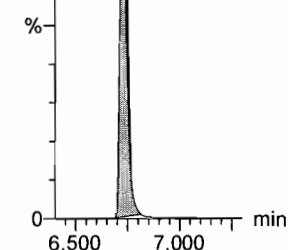
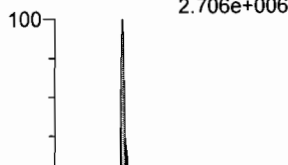


F62:MRM of 2 channels,ES-
813.1 > 219
4.788e+004



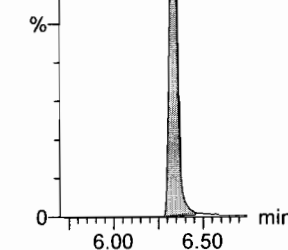
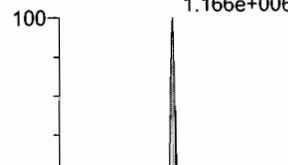
PFODA

F64:MRM of 1 channel,ES-
913.1 > 868.8
2.706e+006



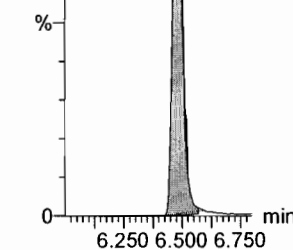
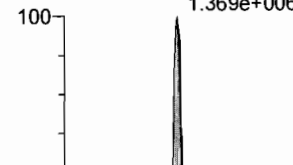
N-MeFOSE

F55:MRM of 1 channel,ES-
616.1 > 58.9
1.166e+006



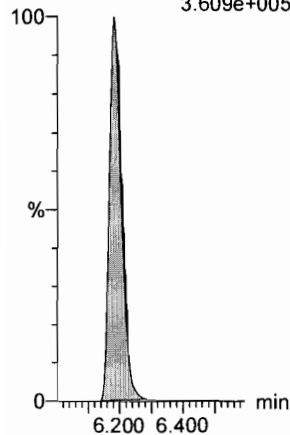
N-EtFOSE

F56:MRM of 1 channel,ES-
630.1 > 58.9
1.369e+006



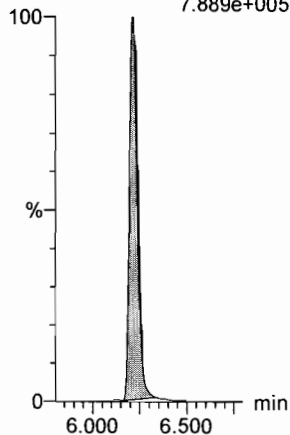
13C2-PFTeDA

F61:MRM of 2 channels,ES-
714.8 > 669.6
3.609e+005



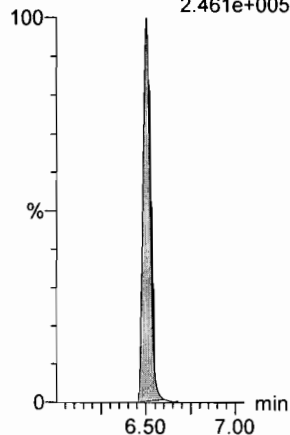
d5-N-ETFOSA

F43:MRM of 1 channel,ES-
531.1 > 168.9
7.889e+005



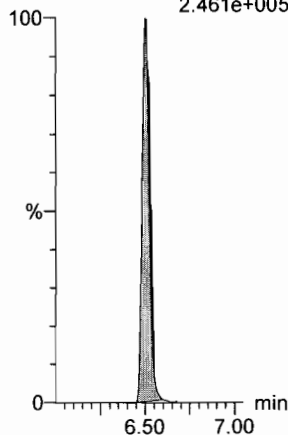
13C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
2.461e+005



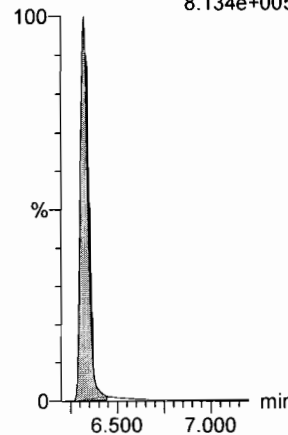
13C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
2.461e+005



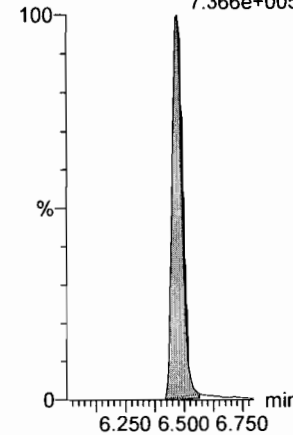
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
8.134e+005



d9-N-EtFOSE

F58:MRM of 1 channel,ES-
639.2 > 58.8
7.366e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

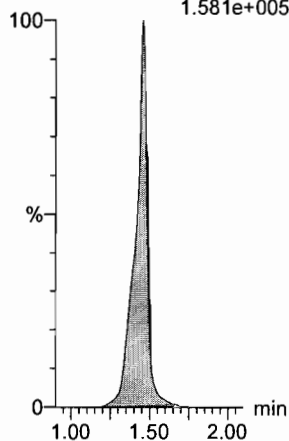
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_8, Date: 19-Apr-2018, Time: 21:10:07, ID: ST180419M2-7 PFC CS4 18D1708, Description: PFC CS4 18D1708

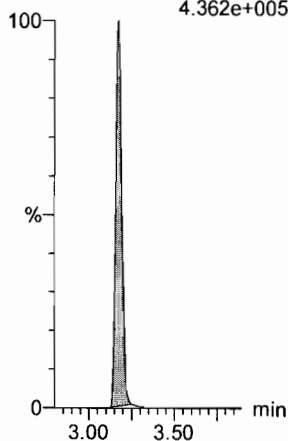
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.581e+005



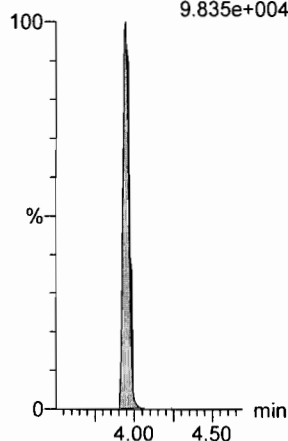
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.362e+005



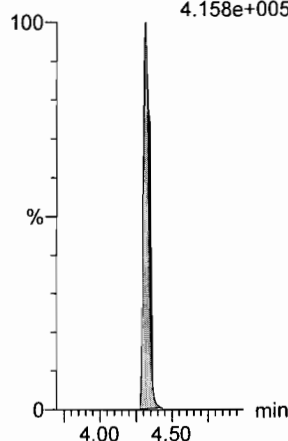
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
9.835e+004



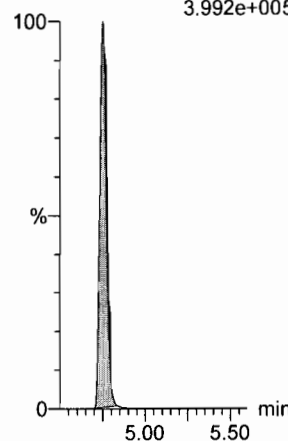
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
4.158e+005



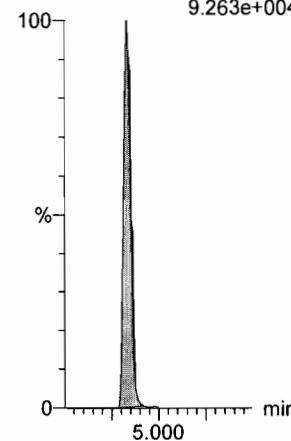
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
3.992e+005



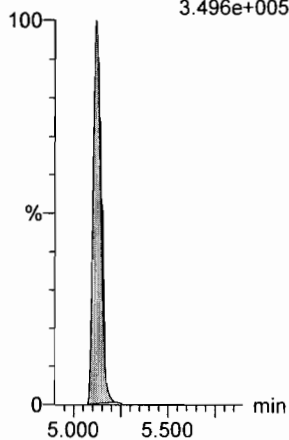
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
9.263e+004



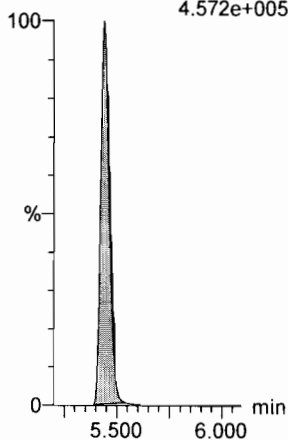
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
3.496e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-
570.1 > 524.8
4.572e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

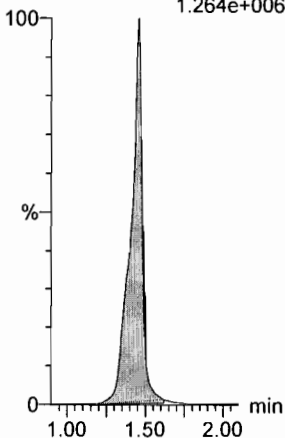
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_9, Date: 19-Apr-2018, Time: 21:21:36, ID: ST180419M2-8 PFC CS5 18D1709, Description: PFC CS5 18D1709

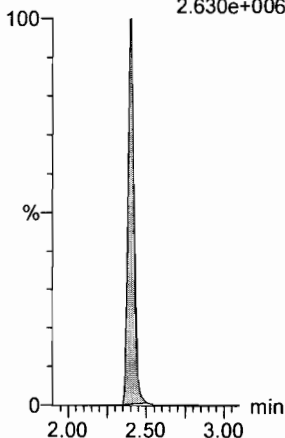
PFBA

F1:MRM of 1 channel,ES-
213.0 > 168.8
1.264e+006



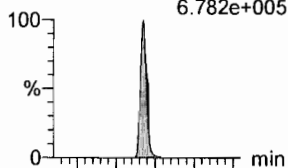
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
2.630e+006

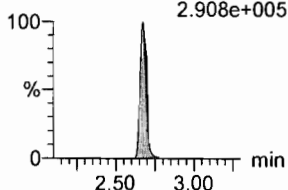


PFBS

F6:MRM of 2 channels,ES-
299.0 > 79.7
6.782e+005

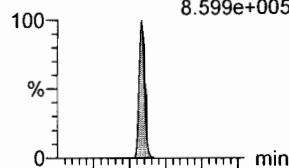


F6:MRM of 2 channels,ES-
299.0 > 99.0
2.908e+005

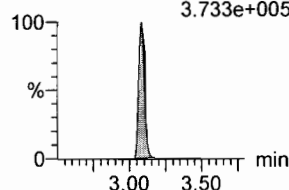


4:2 FTS

F11:MRM of 2 channels,ES-
327.2 > 307.2
8.599e+005

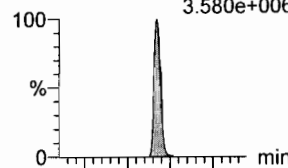


F11:MRM of 2 channels,ES-
327.2 > 81.1
3.733e+005

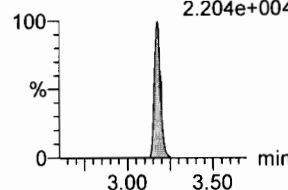


PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
3.580e+006

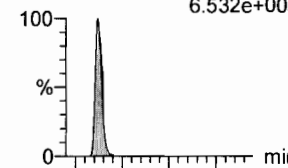


F8:MRM of 2 channels,ES-
313.2 > 119
2.204e+004

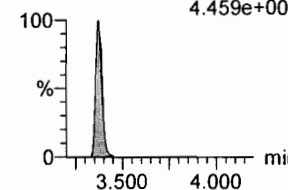


PFPeS

F14:MRM of 2 channels,ES-
349.1 > 80.1
6.532e+005

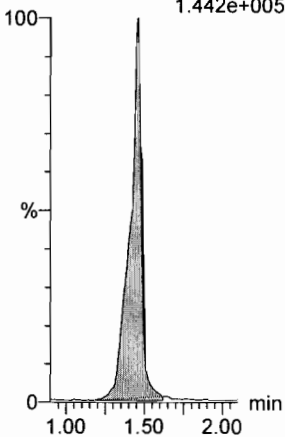


F14:MRM of 2 channels,ES-
349.1 > 99
4.459e+005



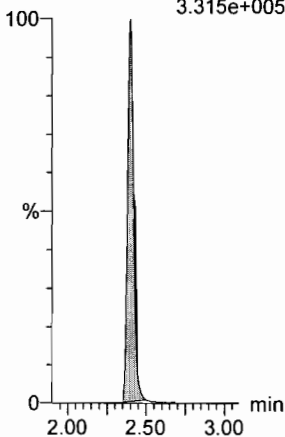
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
1.442e+005



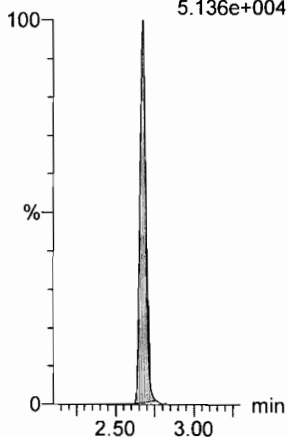
13C3-PFPeA

F5:MRM of 1 channel,ES-
266. > 221.8
3.315e+005



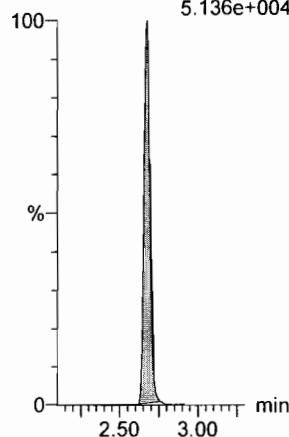
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.136e+004



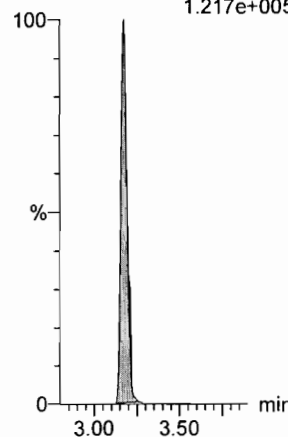
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.136e+004



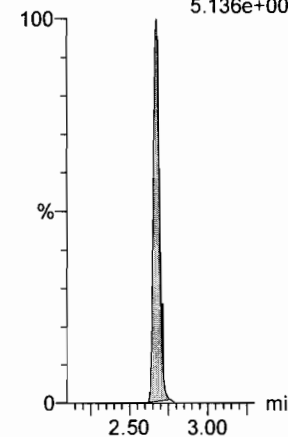
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
1.217e+005



13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
5.136e+004



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

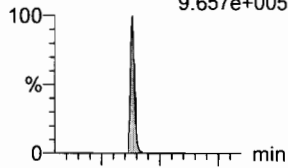
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_9, Date: 19-Apr-2018, Time: 21:21:36, ID: ST180419M2-8 PFC CS5 18D1709, Description: PFC CS5 18D1709

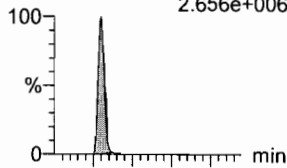
6:2 FTS

F23:MRM of 2 channels,ES-
427.1 > 407
9.657e+005



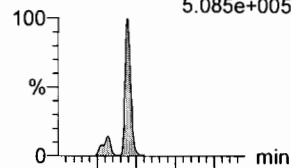
PFHpA

F15:MRM of 2 channels,ES-
363.0 > 318.9
2.656e+006



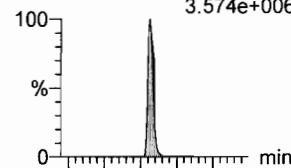
L-PFHxS

F17:MRM of 2 channels,ES-
398.9 > 79.6
5.085e+005



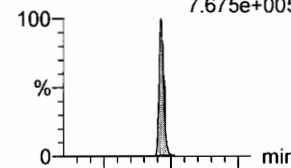
L-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
3.574e+006



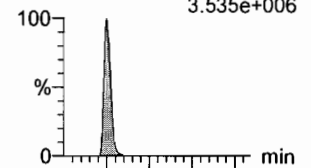
PFHpS

F25:MRM of 2 channels,ES-
449 > 80.0
7.675e+005

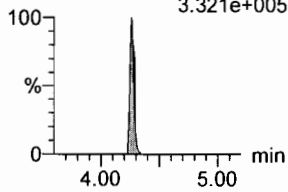


PFNA

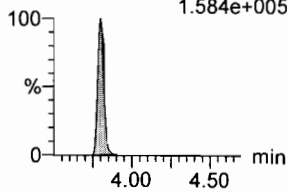
F26:MRM of 2 channels,ES-
463.0 > 418.8
3.535e+006



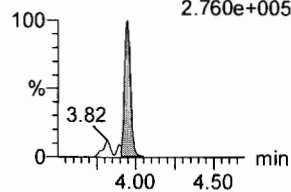
F23:MRM of 2 channels,ES-
427.1 > 80
3.321e+005



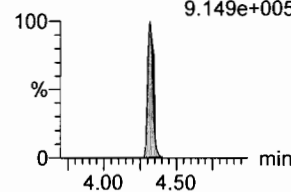
F15:MRM of 2 channels,ES-
363.0 > 169.0
1.584e+005



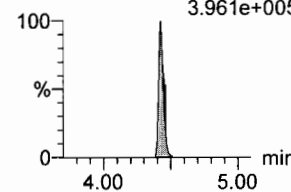
F17:MRM of 2 channels,ES-
398.9 > 99.0
2.760e+005



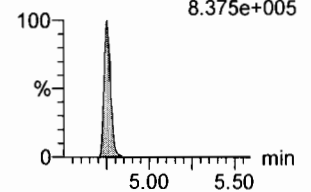
F20:MRM of 2 channels,ES-
413 > 169
9.149e+005



F25:MRM of 2 channels,ES-
449 > 98.7
3.961e+005

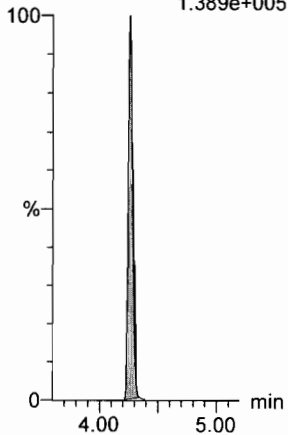


F26:MRM of 2 channels,ES-
463.0 > 219.0
8.375e+005



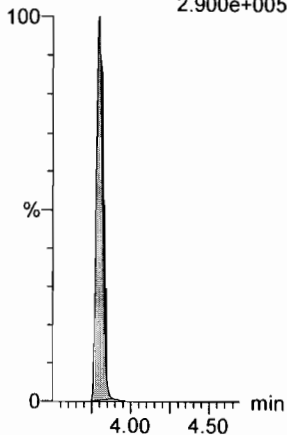
13C2-6:2 FTS

F24:MRM of 1 channel,ES-
429.1 > 408.9
1.389e+005



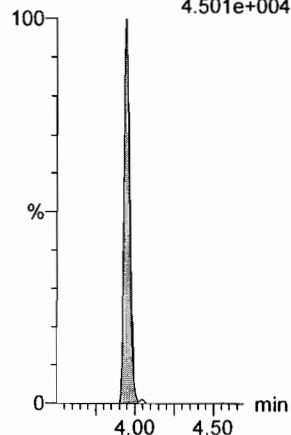
13C4-PFHpA

F16:MRM of 1 channel,ES-
367.2 > 321.8
2.900e+005



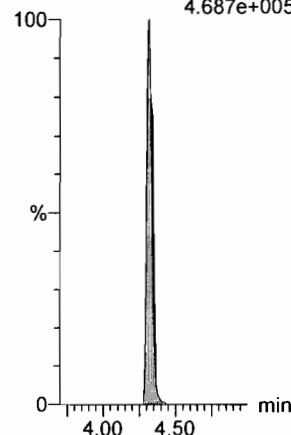
18O2-PFHxS

F19:MRM of 1 channel,ES-
403.0 > 102.6
4.501e+004



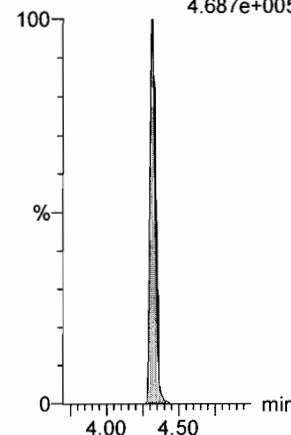
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
4.687e+005



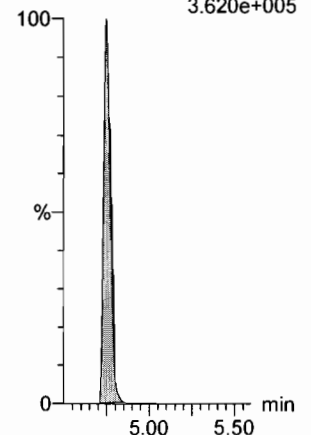
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
4.687e+005



13C5-PFNA

F27:MRM of 1 channel,ES-
468.2 > 422.9
3.620e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

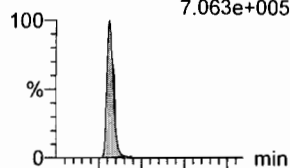
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

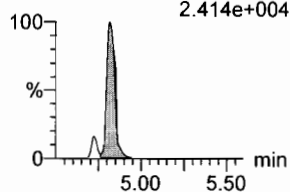
Name: 180419M2_9, Date: 19-Apr-2018, Time: 21:21:36, ID: ST180419M2-8 PFC CS5 18D1709, Description: PFC CS5 18D1709

PFOSA

F29:MRM of 2 channels,ES-
498.2 > 77.9
7.063e+005

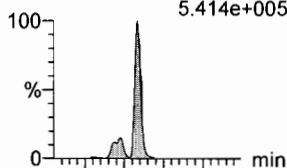


F29:MRM of 2 channels,ES-
498.2 > 169.1
2.414e+004

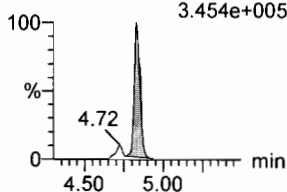


L-PFOS

F31:MRM of 2 channels,ES-
499.1 > 79.9
5.414e+005

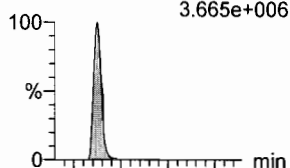


F31:MRM of 2 channels,ES-
499.1 > 98.9
3.454e+005

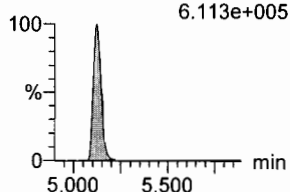


PFDA

F36:MRM of 2 channels,ES-
513 > 468.8
3.665e+006

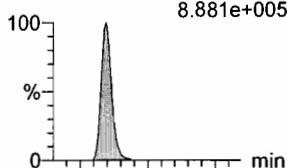


F36:MRM of 2 channels,ES-
513 > 219
6.113e+005

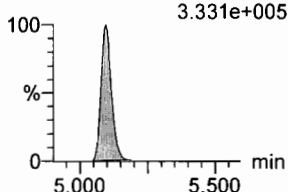


8:2 FTS

F41:MRM of 2 channels,ES-
527 > 506.9
8.881e+005

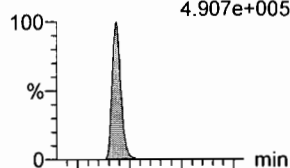


F41:MRM of 2 channels,ES-
527 > 80
3.331e+005

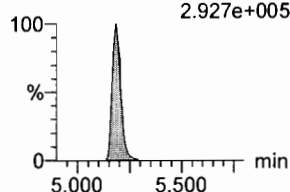


PFNS

F44:MRM of 2 channels,ES-
549.1 > 80.1
4.907e+005

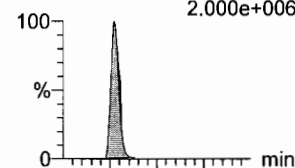


F44:MRM of 2 channels,ES-
549.1 > 99.1
2.927e+005

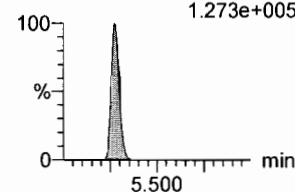


N-MeFOSAA

F47:MRM of 2 channels,ES-
570.1 > 419
2.000e+006

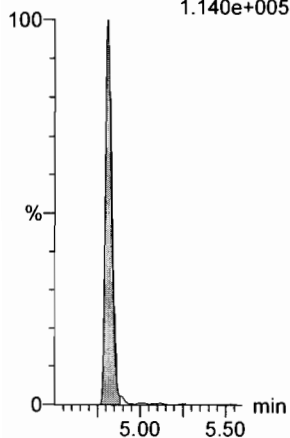


F47:MRM of 2 channels,ES-
570.1 > 483.0
1.273e+005



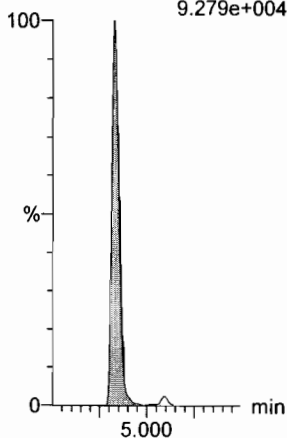
13C8-PFOSA

F33:MRM of 1 channel,ES-
506.1 > 77.7
1.140e+005



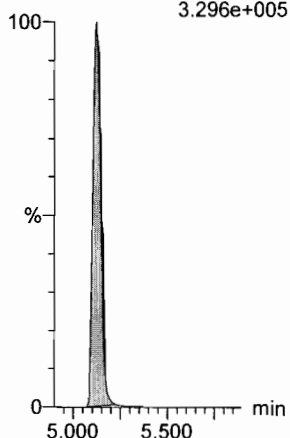
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
9.279e+004



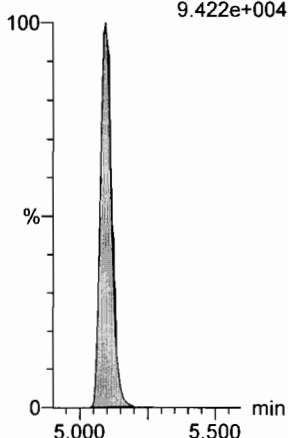
13C2-PFDA

F37:MRM of 1 channel,ES-
515.1 > 469.9
3.296e+005



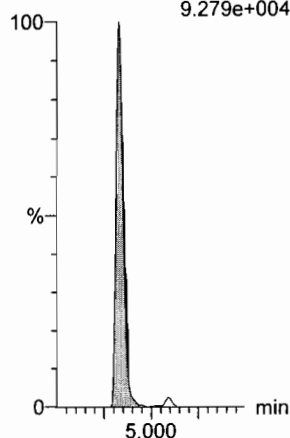
13C2-8:2 FTS

F42:MRM of 1 channel,ES-
529.1 > 508.7
9.422e+004



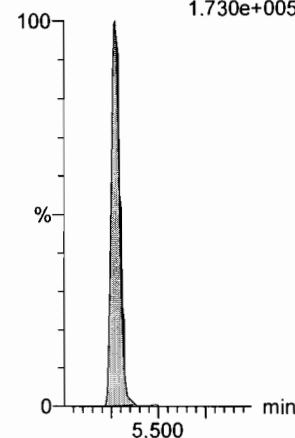
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
9.279e+004



d3-N-MeFOSAA

F49:MRM of 1 channel,ES-
573.3 > 419
1.730e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

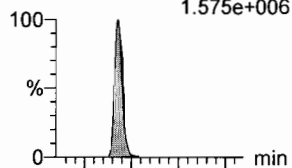
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

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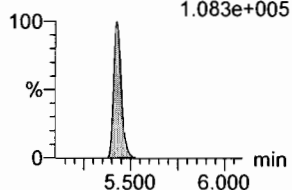
Name: 180419M2_9, Date: 19-Apr-2018, Time: 21:21:36, ID: ST180419M2-8 PFC CS5 18D1709, Description: PFC CS5 18D1709

N-EtFOSAA

F50:MRM of 2 channels,ES-
584.2 > 419
1.575e+006

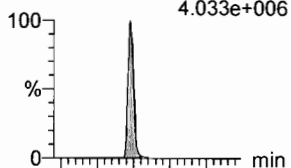


F50:MRM of 2 channels,ES-
584.2 > 483.0
1.083e+005

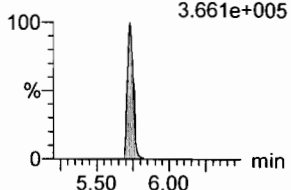


PFDoA

F53:MRM of 4 channels,ES-
612.9 > 569.0
4.033e+006

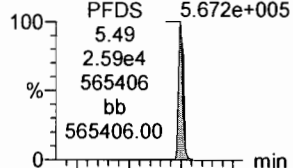


F53:MRM of 4 channels,ES-
612.9 > 318.8
3.661e+005

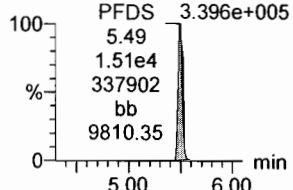


PFDS

F52:MRM of 2 channels,ES-
598.8 > 80
5.672e+005

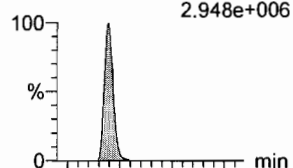


F52:MRM of 2 channels,ES-
598.8 > 98.7
3.396e+005

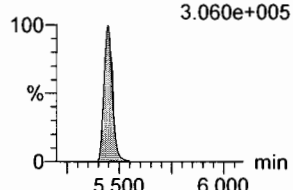


PFUdA

F45:MRM of 2 channels,ES-
563.0 > 518.9
2.948e+006

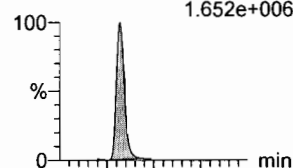


F45:MRM of 2 channels,ES-
563.0 > 269
3.060e+005

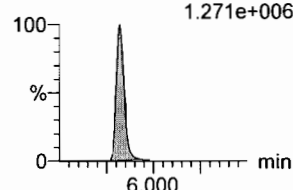


N-MeFOSA

F35:MRM of 2 channels,ES-
512.1 > 168.9
1.652e+006

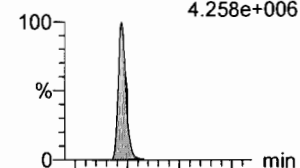


F35:MRM of 2 channels,ES-
512.1 > 219
1.271e+006

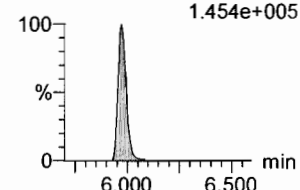


PFTrDA

F59:MRM of 2 channels,ES-
662.9 > 618.9
4.258e+006

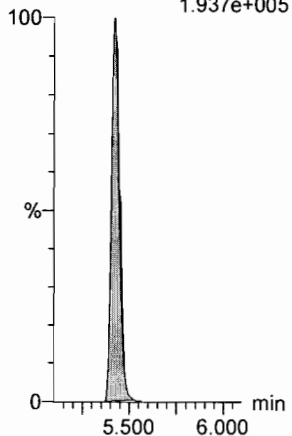


F59:MRM of 2 channels,ES-
662.9 > 319
1.454e+005



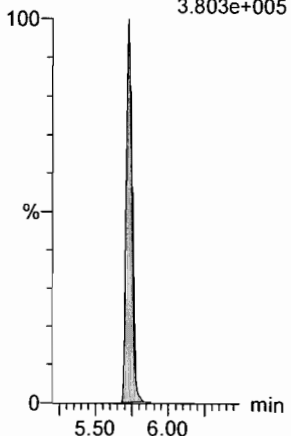
d5-N-EtFOSAA

F51:MRM of 1 channel,ES-
589.3 > 419
1.937e+005



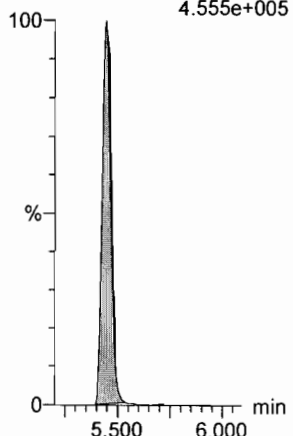
13C2-PFDoA

F54:MRM of 2 channels,ES-
615.0 > 569.7
3.803e+005



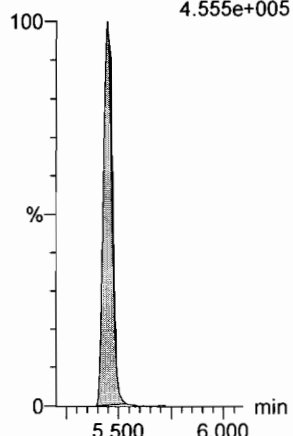
13C2-PFUdA

F46:MRM of 1 channel,ES-
565 > 519.8
4.555e+005



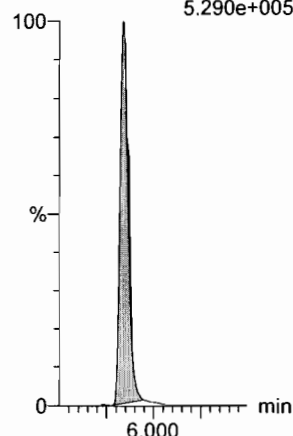
13C2-PFUdA

F46:MRM of 1 channel,ES-
565 > 519.8
4.555e+005



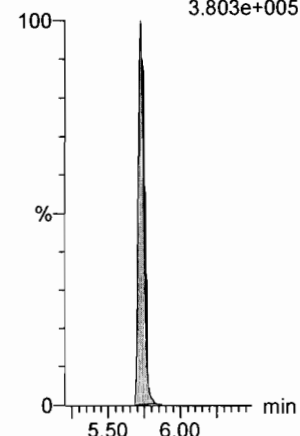
d3-N-MeFOSA

F38:MRM of 1 channel,ES-
515.2 > 168.9
5.290e+005



13C2-PFDoA

F54:MRM of 2 channels,ES-
615.0 > 569.7
3.803e+005

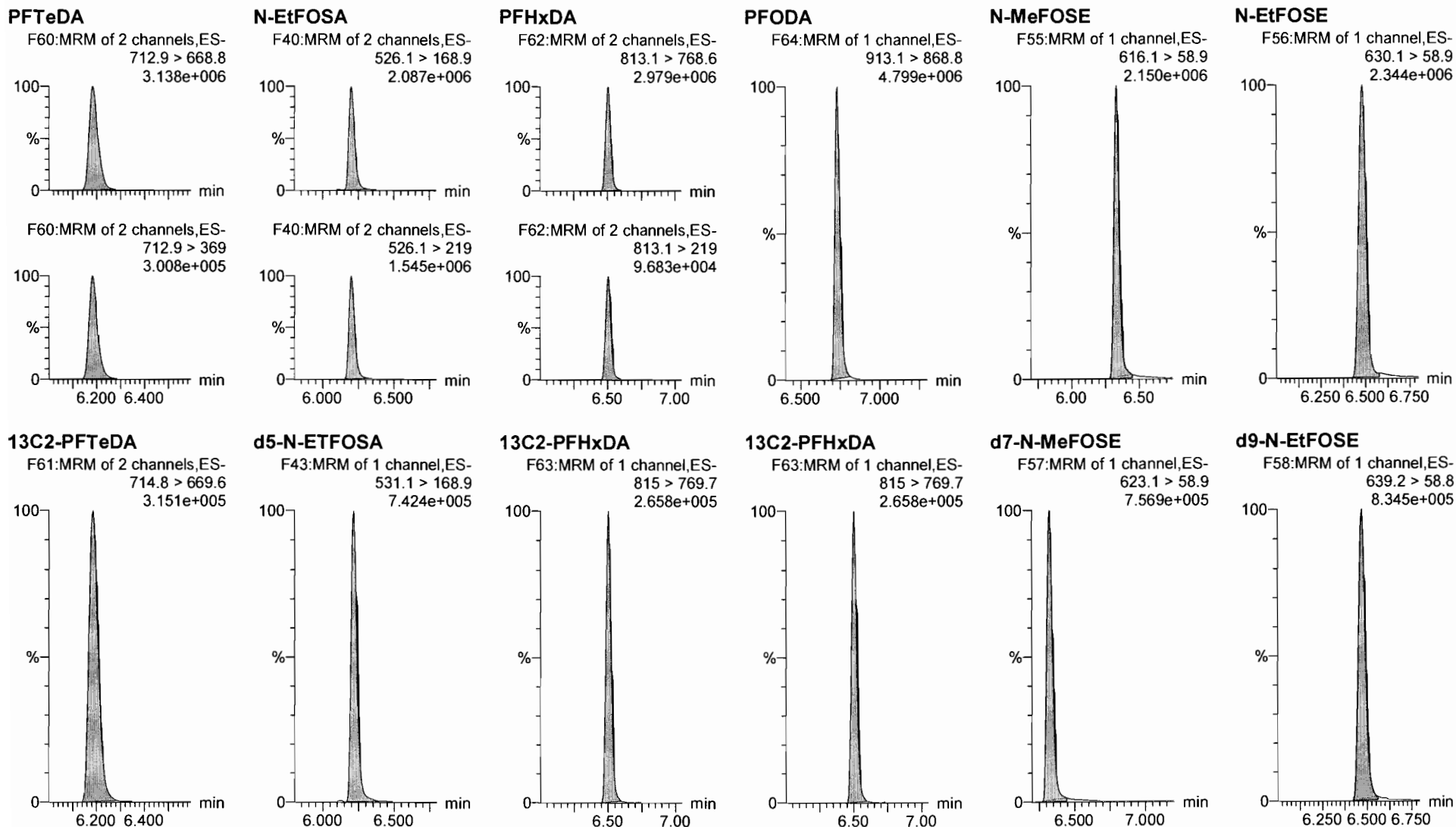


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_9, Date: 19-Apr-2018, Time: 21:21:36, ID: ST180419M2-8 PFC CS5 18D1709, Description: PFC CS5 18D1709



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

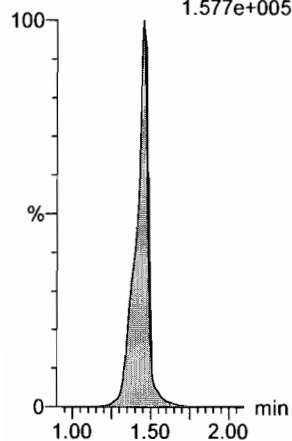
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_9, Date: 19-Apr-2018, Time: 21:21:36, ID: ST180419M2-8 PFC CS5 18D1709, Description: PFC CS5 18D1709

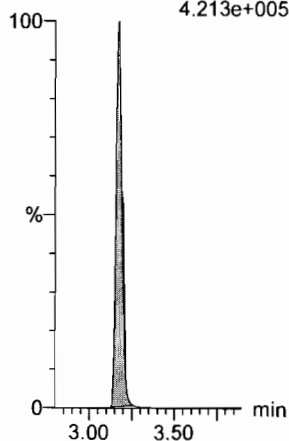
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.577e+005



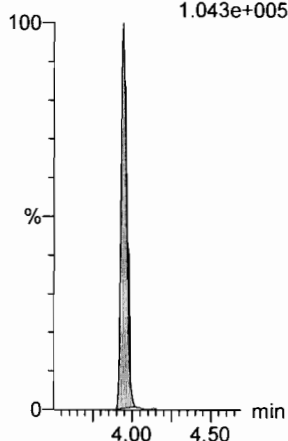
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.213e+005



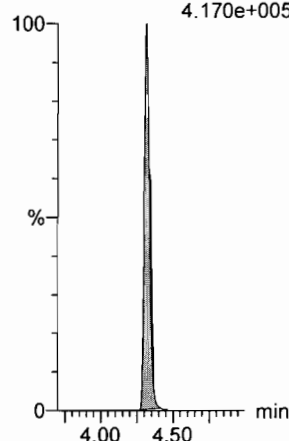
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
1.043e+005



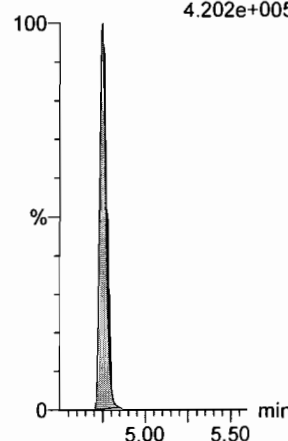
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
4.170e+005



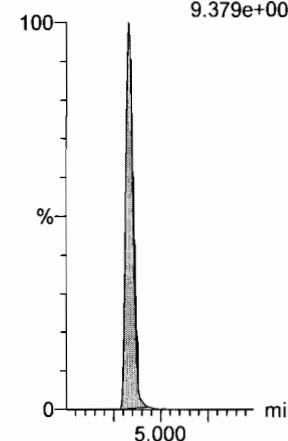
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
4.202e+005



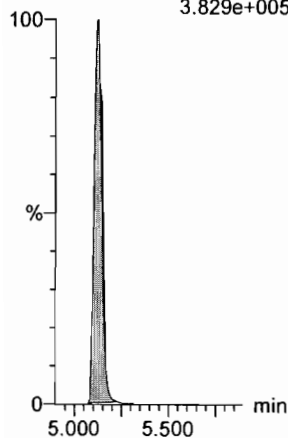
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
9.379e+004



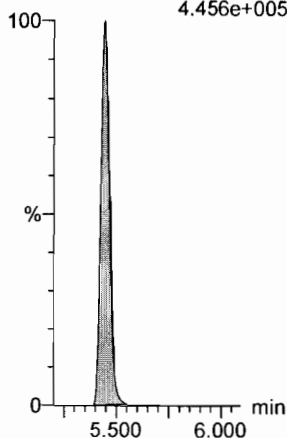
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
3.829e+005



13C7-PFUDa

F48:MRM of 1 channel,ES-
570.1 > 524.8
4.456e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

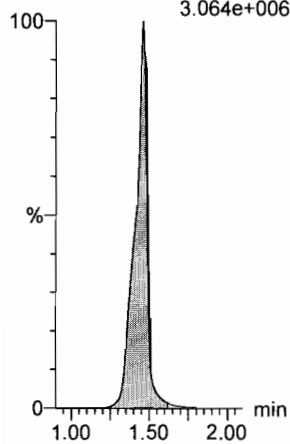
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_10, Date: 19-Apr-2018, Time: 21:33:03, ID: ST180419M2-9 PFC CS6 18D1710, Description: PFC CS6 18D1710

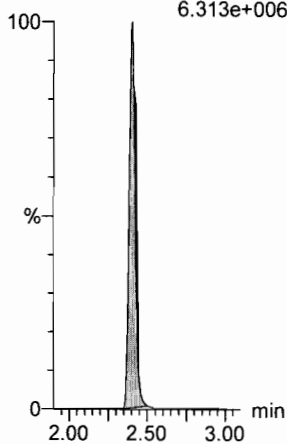
PFBA

F1:MRM of 1 channel,ES-
213.0 > 168.8
3.064e+006



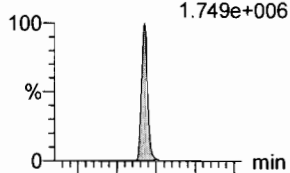
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
6.313e+006

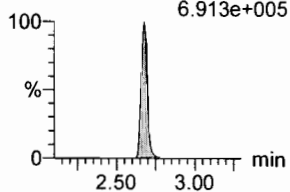


PFBS

F6:MRM of 2 channels,ES-
299.0 > 79.7
1.749e+006

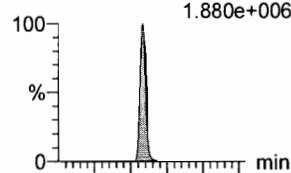


F6:MRM of 2 channels,ES-
299.0 > 99.0
6.913e+005

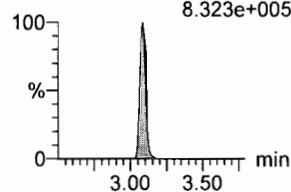


4:2 FTS

F11:MRM of 2 channels,ES-
327.2 > 307.2
1.880e+006

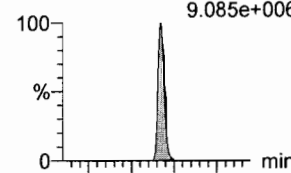


F11:MRM of 2 channels,ES-
327.2 > 81.1
8.323e+005

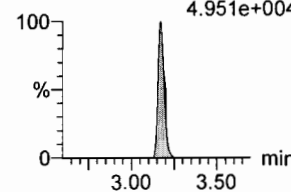


PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
9.085e+006

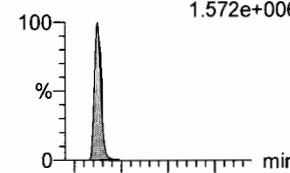


F8:MRM of 2 channels,ES-
313.2 > 119
4.951e+004

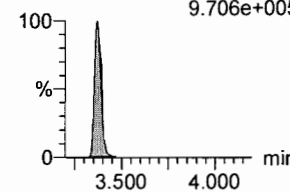


PFPeS

F14:MRM of 2 channels,ES-
349.1 > 80.1
1.572e+006

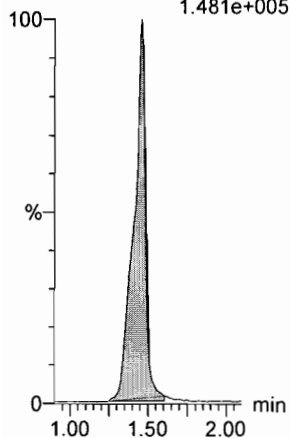


F14:MRM of 2 channels,ES-
349.1 > 99
9.706e+005



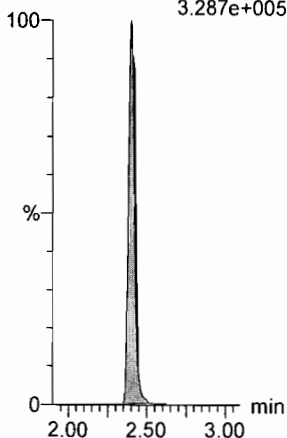
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
1.481e+005



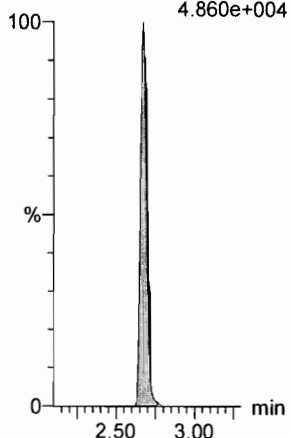
13C3-PFPeA

F5:MRM of 1 channel,ES-
266. > 221.8
3.287e+005



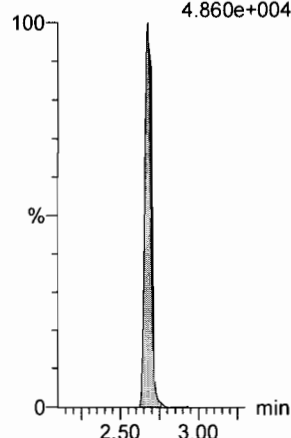
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
4.860e+004



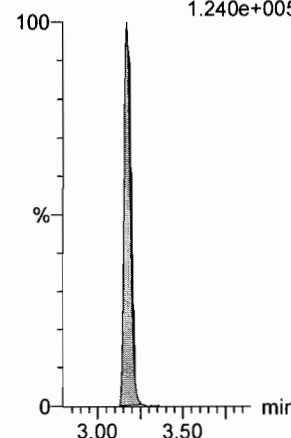
13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
4.860e+004



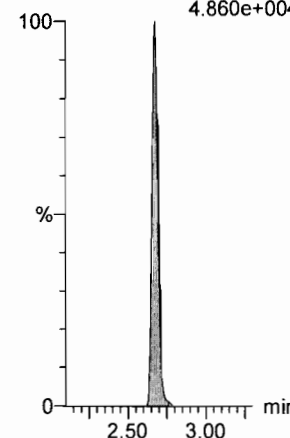
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
1.240e+005



13C3-PFBS

F7:MRM of 1 channel,ES-
302. > 98.8
4.860e+004



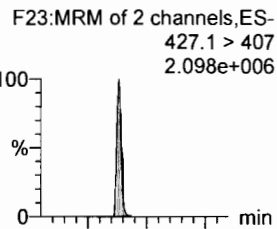
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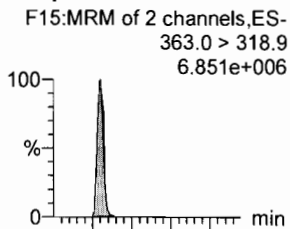
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_10, Date: 19-Apr-2018, Time: 21:33:03, ID: ST180419M2-9 PFC CS6 18D1710, Description: PFC CS6 18D1710

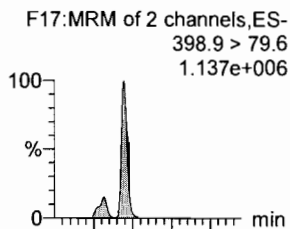
6:2 FTS



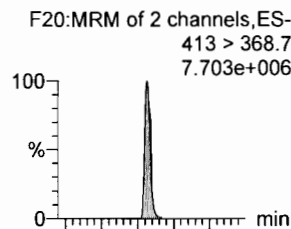
PFHpA



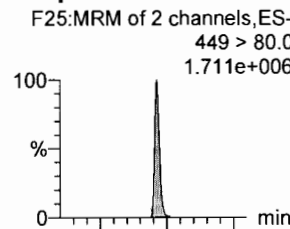
L-PFHxS



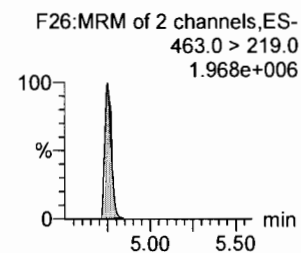
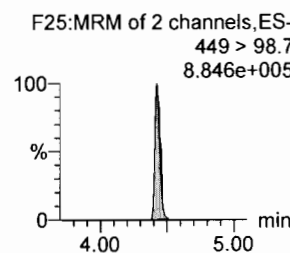
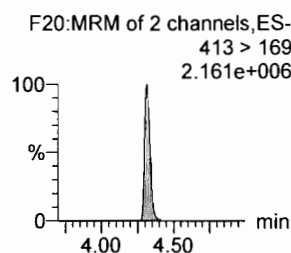
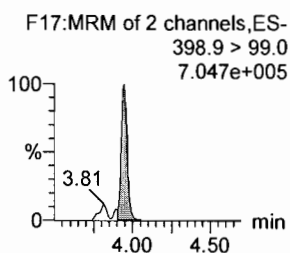
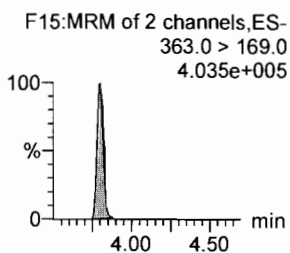
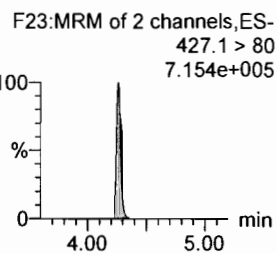
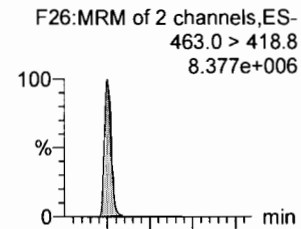
L-PFOA



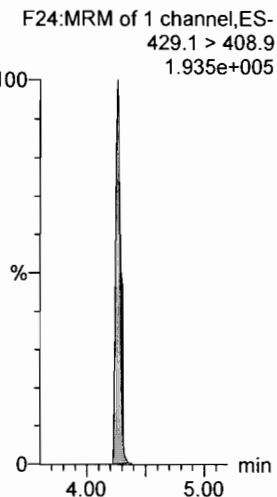
PFHpS



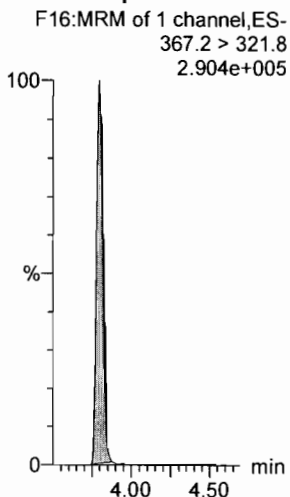
PFNA



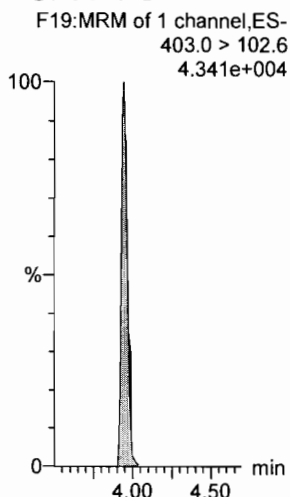
13C2-6:2 FTS



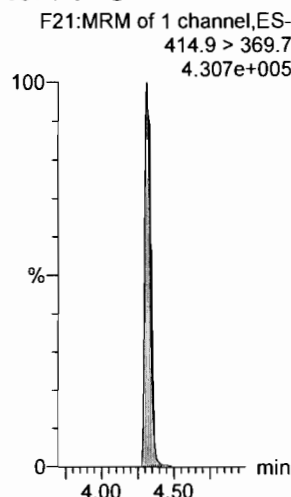
13C4-PFHpA



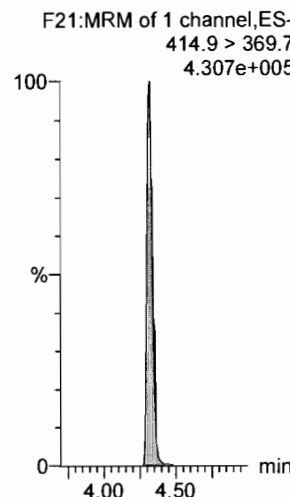
18O2-PFHxS



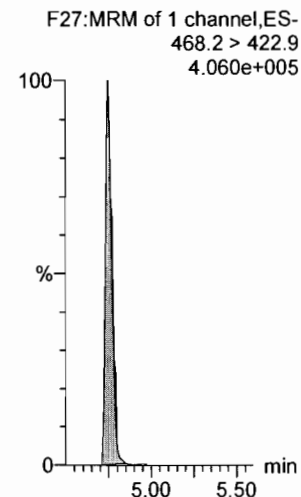
13C2-PFOA



13C2-PFOA



13C5-PFNA



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

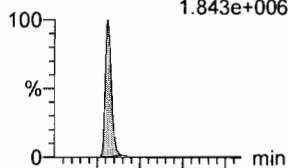
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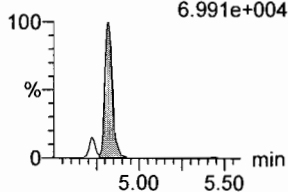
Name: 180419M2_10, Date: 19-Apr-2018, Time: 21:33:03, ID: ST180419M2-9 PFC CS6 18D1710, Description: PFC CS6 18D1710

PFOSA

F29:MRM of 2 channels,ES-
498.2 > 77.9
1.843e+006

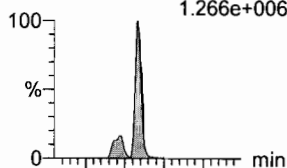


F29:MRM of 2 channels,ES-
498.2 > 169.1
6.991e+004

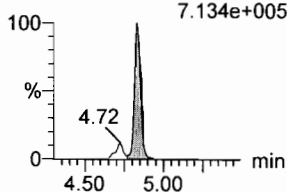


L-PFOS

F31:MRM of 2 channels,ES-
499.1 > 79.9
1.266e+006

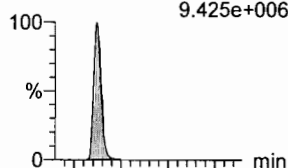


F31:MRM of 2 channels,ES-
499.1 > 98.9
7.134e+005

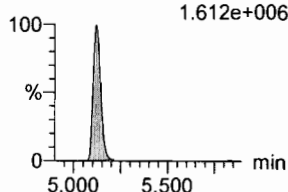


PFDA

F36:MRM of 2 channels,ES-
513 > 468.8
9.425e+006

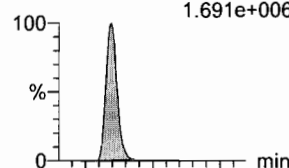


F36:MRM of 2 channels,ES-
513 > 219
1.612e+006

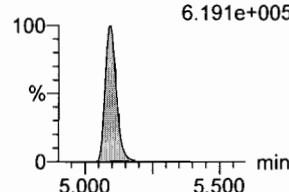


8:2 FTS

F41:MRM of 2 channels,ES-
527 > 506.9
1.691e+006

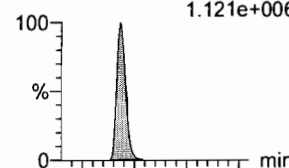


F41:MRM of 2 channels,ES-
527 > 80
6.191e+005

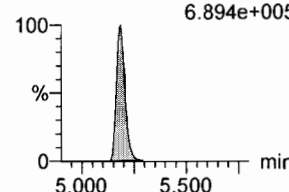


PFNS

F44:MRM of 2 channels,ES-
549.1 > 80.1
1.121e+006

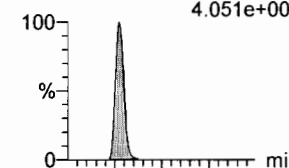


F44:MRM of 2 channels,ES-
549.1 > 99.1
6.894e+005

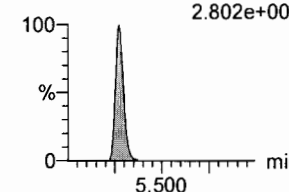


N-MeFOSAA

F47:MRM of 2 channels,ES-
570.1 > 419
4.051e+006

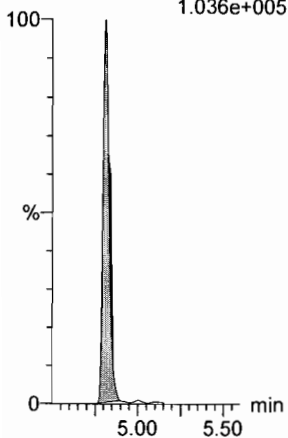


F47:MRM of 2 channels,ES-
570.1 > 483.0
2.802e+005



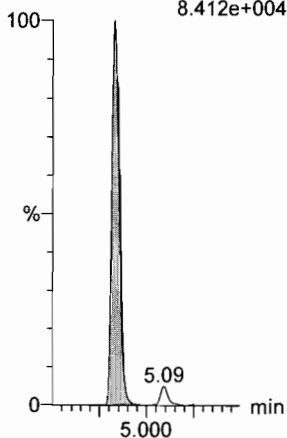
13C8-PFOSA

F33:MRM of 1 channel,ES-
506.1 > 77.7
1.036e+005



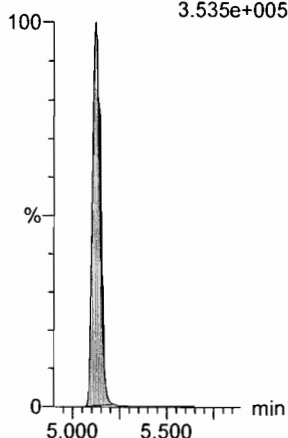
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
8.412e+004



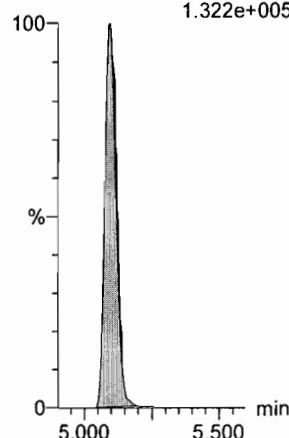
13C2-PFDA

F37:MRM of 1 channel,ES-
515.1 > 469.9
3.535e+005



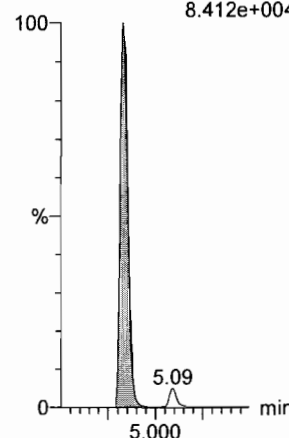
13C2-8:2 FTS

F42:MRM of 1 channel,ES-
529.1 > 508.7
1.322e+005



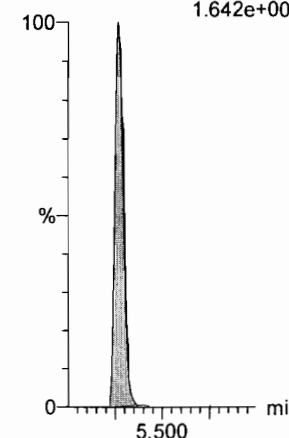
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
8.412e+004



d3-N-MeFOSAA

F49:MRM of 1 channel,ES-
573.3 > 419
1.642e+005

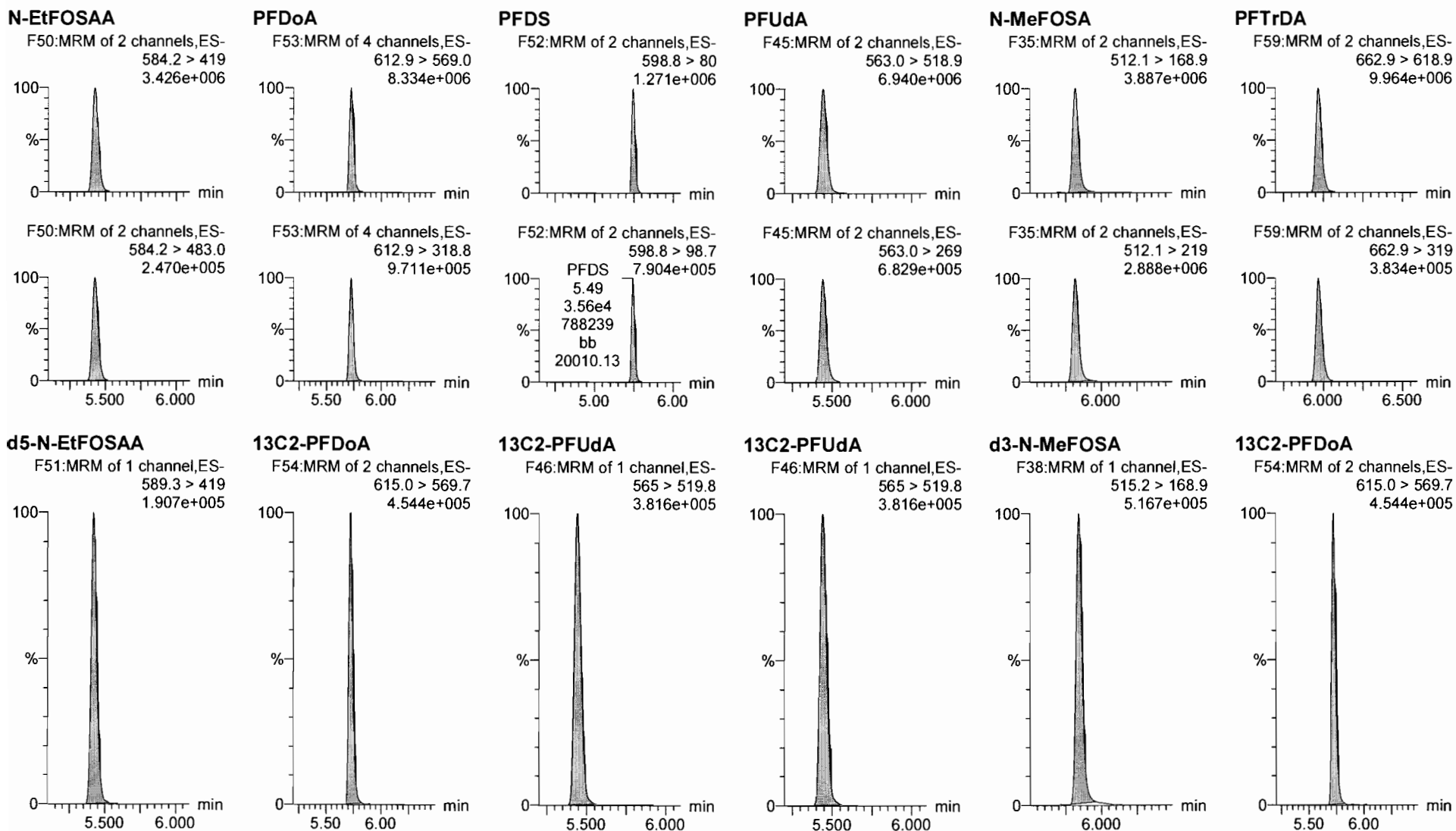


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_10, Date: 19-Apr-2018, Time: 21:33:03, ID: ST180419M2-9 PFC CS6 18D1710, Description: PFC CS6 18D1710



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

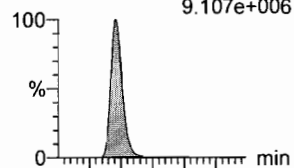
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

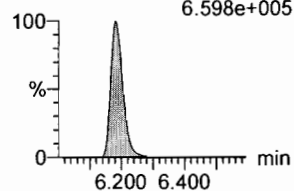
Name: 180419M2_10, Date: 19-Apr-2018, Time: 21:33:03, ID: ST180419M2-9 PFC CS6 18D1710, Description: PFC CS6 18D1710

PFTeDA

F60:MRM of 2 channels,ES-
712.9 > 668.8
9.107e+006

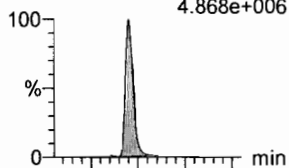


F60:MRM of 2 channels,ES-
712.9 > 369
6.598e+005

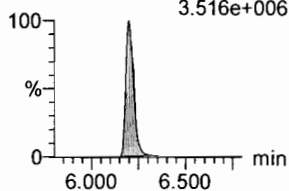


N-EtFOSA

F40:MRM of 2 channels,ES-
526.1 > 168.9
4.868e+006

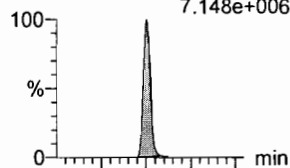


F40:MRM of 2 channels,ES-
526.1 > 219
3.516e+006

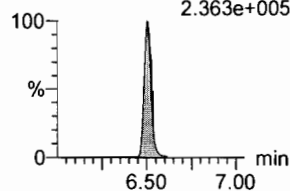


PFHxDA

F62:MRM of 2 channels,ES-
813.1 > 768.6
7.148e+006



F62:MRM of 2 channels,ES-
813.1 > 219
2.363e+005

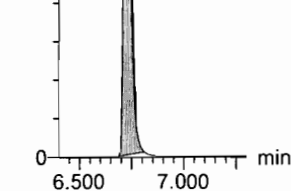


PFODA

F64:MRM of 1 channel,ES-
913.1 > 868.8
1.171e+007

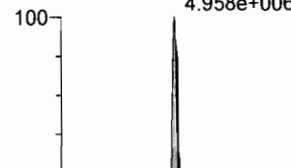


F64:MRM of 1 channel,ES-
913.1 > 868.8
1.171e+007

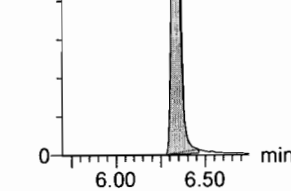


N-MeFOSE

F55:MRM of 1 channel,ES-
616.1 > 58.9
4.958e+006

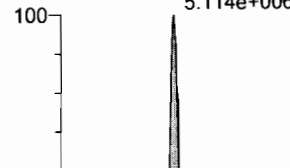


F55:MRM of 1 channel,ES-
616.1 > 58.9
4.958e+006

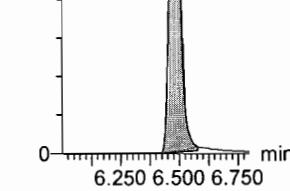


N-EtFOSE

F56:MRM of 1 channel,ES-
630.1 > 58.9
5.114e+006

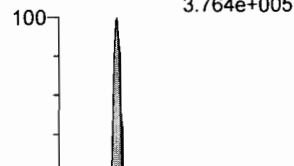


F56:MRM of 1 channel,ES-
630.1 > 58.9
5.114e+006



13C2-PFTeDA

F61:MRM of 2 channels,ES-
714.8 > 669.6
3.764e+005

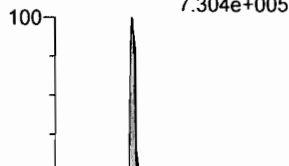


F61:MRM of 2 channels,ES-
714.8 > 669.6
3.764e+005



d5-N-ETFOSE

F43:MRM of 1 channel,ES-
531.1 > 168.9
7.304e+005



F43:MRM of 1 channel,ES-
531.1 > 168.9
7.304e+005



13C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
2.539e+005

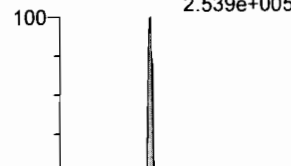


F63:MRM of 1 channel,ES-
815 > 769.7
2.539e+005



13C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
2.539e+005

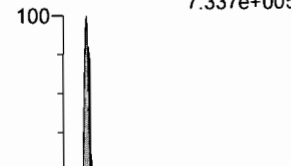


F63:MRM of 1 channel,ES-
815 > 769.7
2.539e+005



d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
7.337e+005

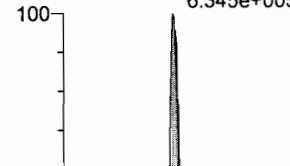


F57:MRM of 1 channel,ES-
623.1 > 58.9
7.337e+005



d9-N-EtFOSE

F58:MRM of 1 channel,ES-
639.2 > 58.8
6.345e+005



F58:MRM of 1 channel,ES-
639.2 > 58.8
6.345e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

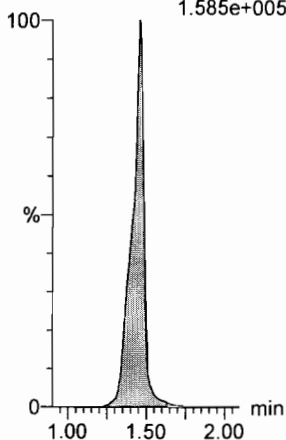
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_10, Date: 19-Apr-2018, Time: 21:33:03, ID: ST180419M2-9 PFC CS6 18D1710, Description: PFC CS6 18D1710

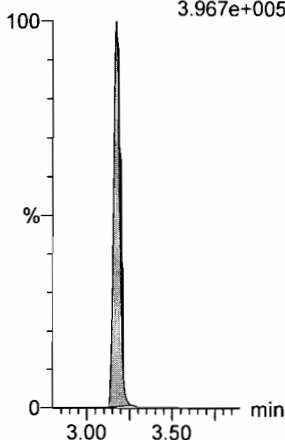
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.585e+005



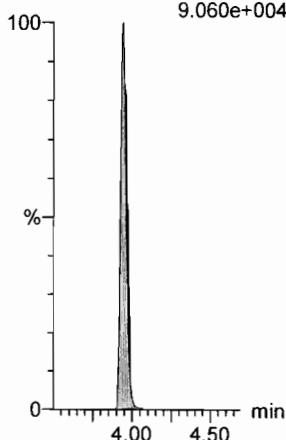
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
3.967e+005



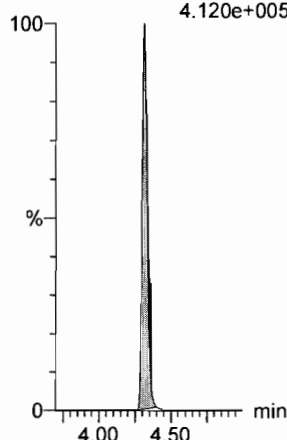
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
9.060e+004



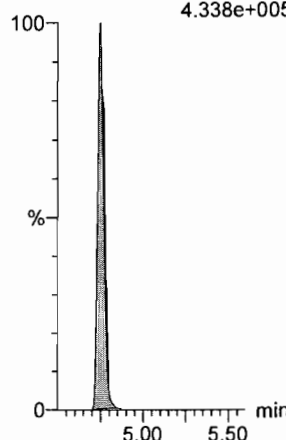
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
4.120e+005



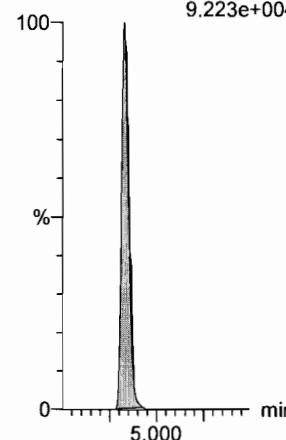
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
4.338e+005



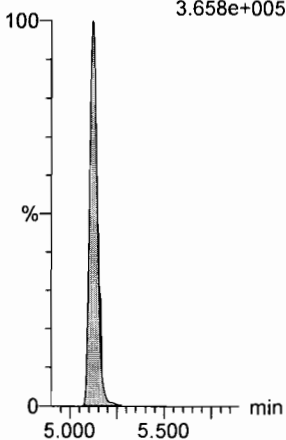
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
9.223e+004



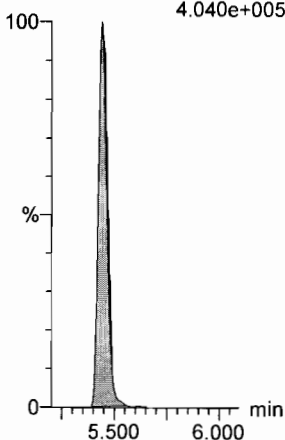
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
3.658e+005



13C7-PFUDa

F48:MRM of 1 channel,ES-
570.1 > 524.8
4.040e+005



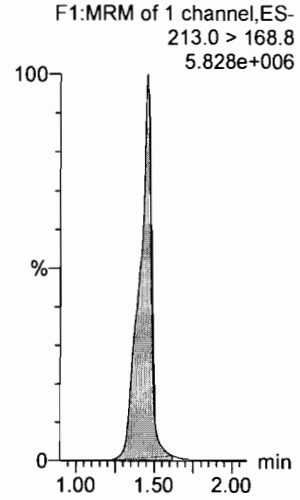
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

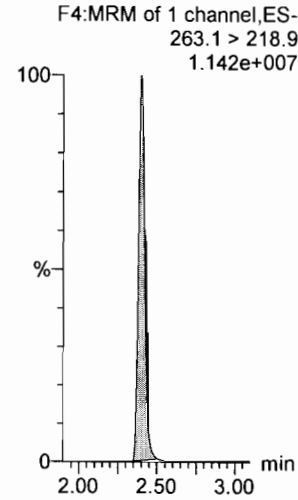
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_11, Date: 19-Apr-2018, Time: 21:44:33, ID: ST180419M2-10 PFC CS7 18D1711, Description: PFC CS7 18D1711

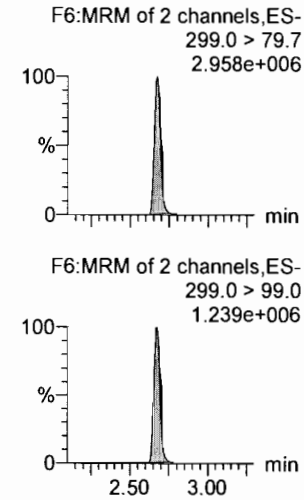
PFBA



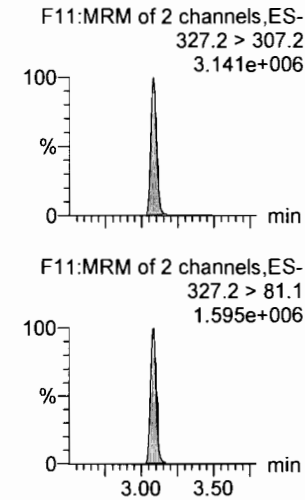
PFPeA



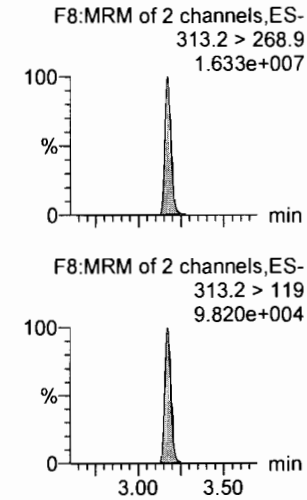
PFBS



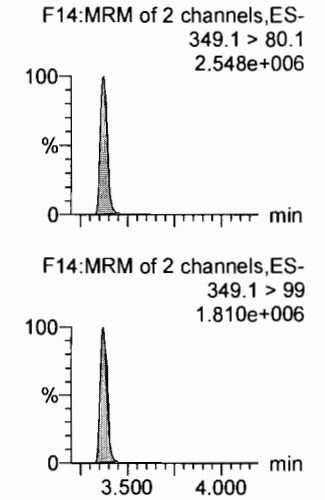
4:2 FTS



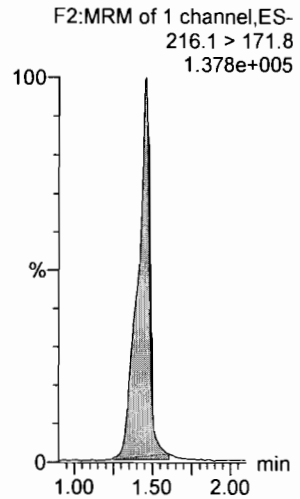
PFHxA



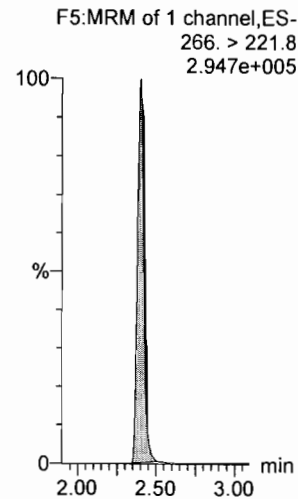
PFPeS



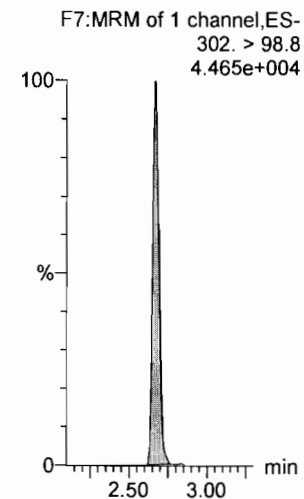
13C3-PFBA



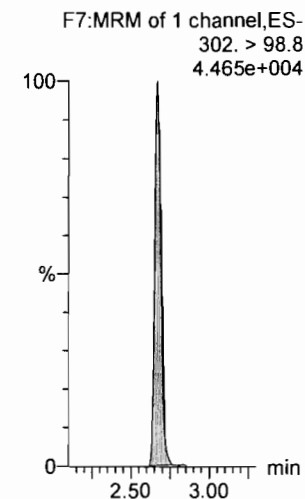
13C3-PFPeA



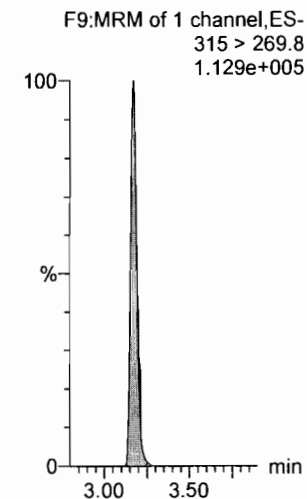
13C3-PFBS



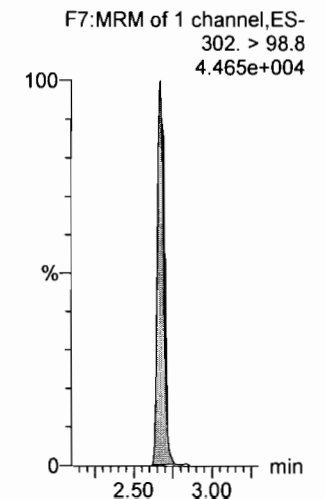
13C3-PFBS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

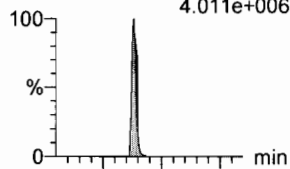
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_11, Date: 19-Apr-2018, Time: 21:44:33, ID: ST180419M2-10 PFC CS7 18D1711, Description: PFC CS7 18D1711

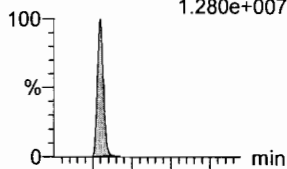
6:2 FTS

F23:MRM of 2 channels,ES-
427.1 > 407
4.011e+006



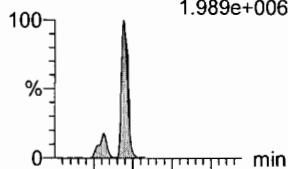
PFHpA

F15:MRM of 2 channels,ES-
363.0 > 318.9
1.280e+007



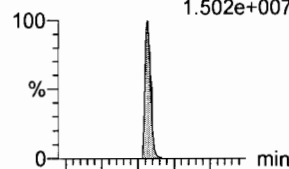
L-PFHxS

F17:MRM of 2 channels,ES-
398.9 > 79.6
1.989e+006



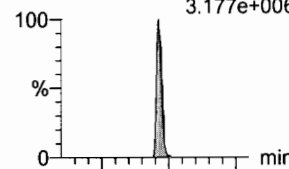
L-PFOA

F20:MRM of 2 channels,ES-
413 > 368.7
1.502e+007



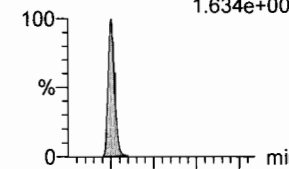
PFHpS

F25:MRM of 2 channels,ES-
449 > 80.0
3.177e+006

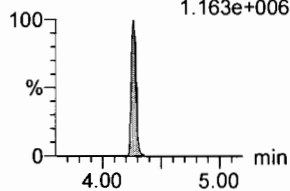


PFNA

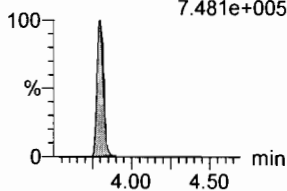
F26:MRM of 2 channels,ES-
463.0 > 418.8
1.634e+007



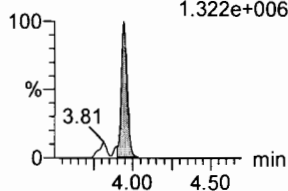
F23:MRM of 2 channels,ES-
427.1 > 80
1.163e+006



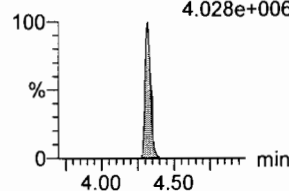
F15:MRM of 2 channels,ES-
363.0 > 169.0
7.481e+005



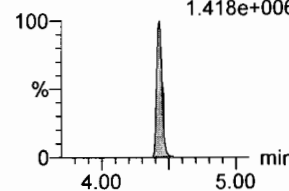
F17:MRM of 2 channels,ES-
398.9 > 99.0
1.322e+006



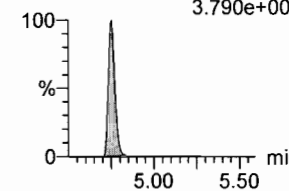
F20:MRM of 2 channels,ES-
413 > 169
4.028e+006



F25:MRM of 2 channels,ES-
449 > 98.7
1.418e+006

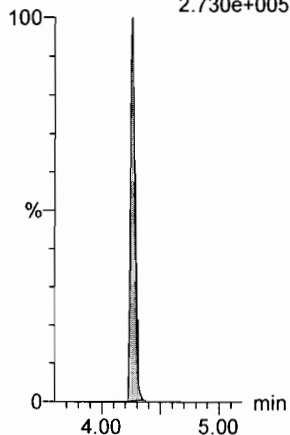


F26:MRM of 2 channels,ES-
463.0 > 219.0
3.790e+006



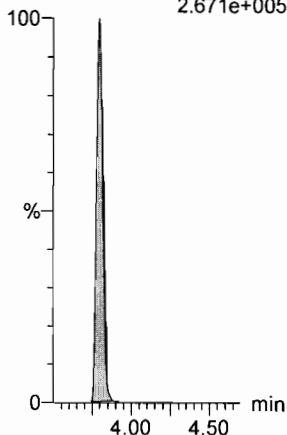
13C2-6:2 FTS

F24:MRM of 1 channel,ES-
429.1 > 408.9
2.730e+005



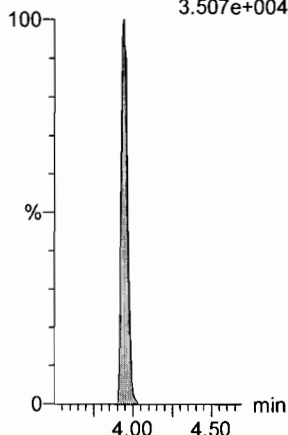
13C4-PFHpA

F16:MRM of 1 channel,ES-
367.2 > 321.8
2.671e+005



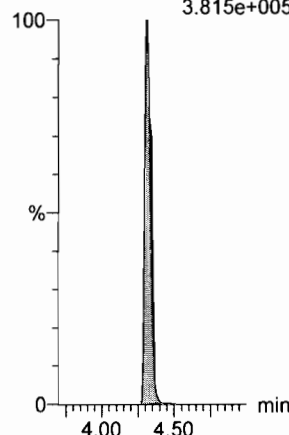
18O2-PFHxS

F19:MRM of 1 channel,ES-
403.0 > 102.6
3.507e+004



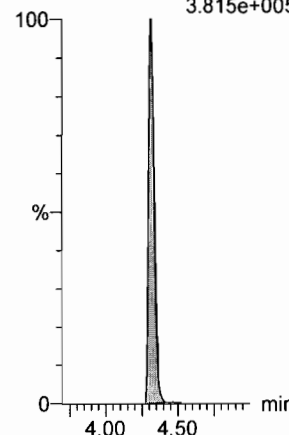
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.815e+005



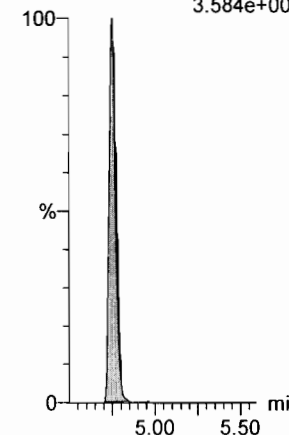
13C2-PFOA

F21:MRM of 1 channel,ES-
414.9 > 369.7
3.815e+005



13C5-PFNA

F27:MRM of 1 channel,ES-
468.2 > 422.9
3.584e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

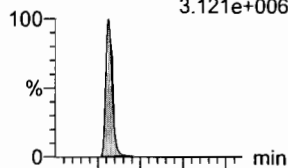
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

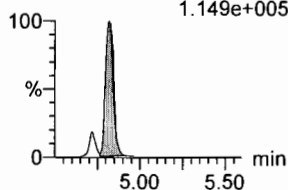
Name: 180419M2_11, Date: 19-Apr-2018, Time: 21:44:33, ID: ST180419M2-10 PFC CS7 18D1711, Description: PFC CS7 18D1711

PFOSA

F29:MRM of 2 channels,ES-
498.2 > 77.9
3.121e+006

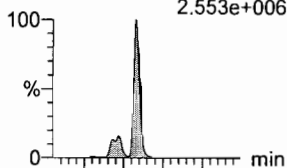


F29:MRM of 2 channels,ES-
498.2 > 169.1
1.149e+005

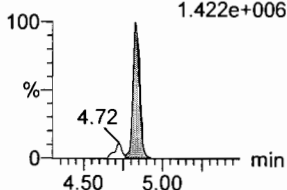


L-PFOS

F31:MRM of 2 channels,ES-
499.1 > 79.9
2.553e+006

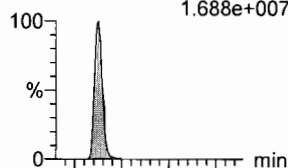


F31:MRM of 2 channels,ES-
499.1 > 98.9
1.422e+006

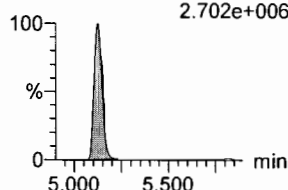


PFDA

F36:MRM of 2 channels,ES-
513 > 468.8
1.688e+007

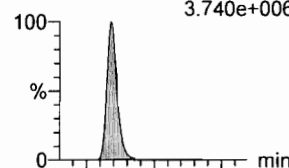


F36:MRM of 2 channels,ES-
513 > 219
2.702e+006

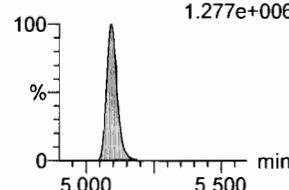


8:2 FTS

F41:MRM of 2 channels,ES-
527 > 506.9
3.740e+006

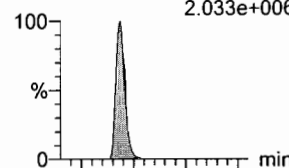


F41:MRM of 2 channels,ES-
527 > 80
1.277e+006

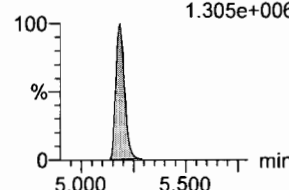


PFNS

F44:MRM of 2 channels,ES-
549.1 > 80.1
2.033e+006

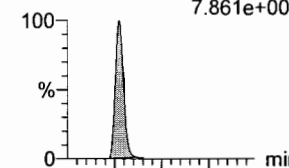


F44:MRM of 2 channels,ES-
549.1 > 99.1
1.305e+006

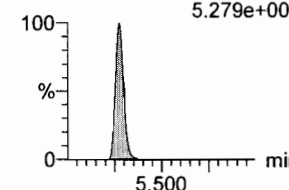


N-MeFOSAA

F47:MRM of 2 channels,ES-
570.1 > 419
7.861e+006

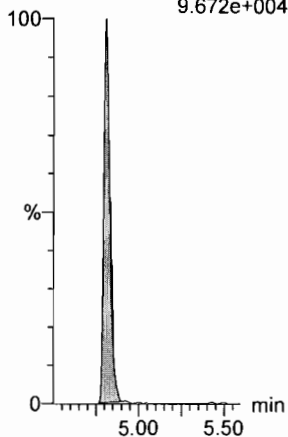


F47:MRM of 2 channels,ES-
570.1 > 483.0
5.279e+005



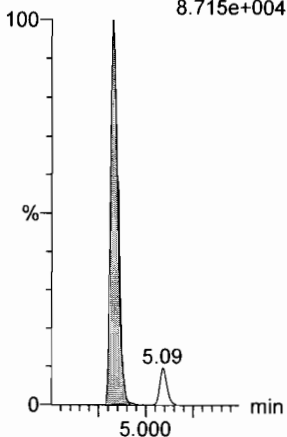
13C8-PFOSA

F33:MRM of 1 channel,ES-
506.1 > 77.7
9.672e+004



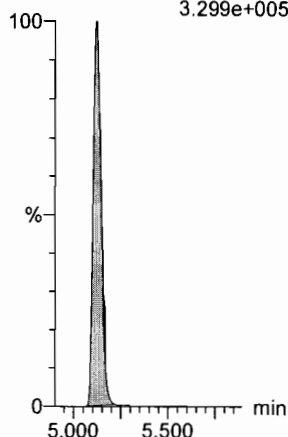
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
8.715e+004



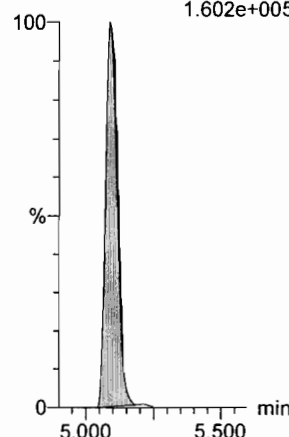
13C2-PFDA

F37:MRM of 1 channel,ES-
515.1 > 469.9
3.299e+005



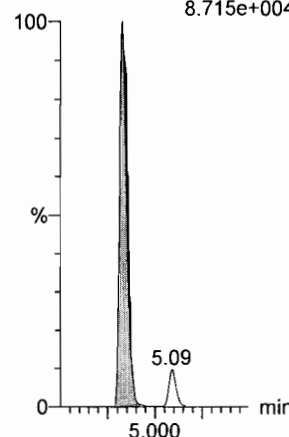
13C2-8:2 FTS

F42:MRM of 1 channel,ES-
529.1 > 508.7
1.602e+005



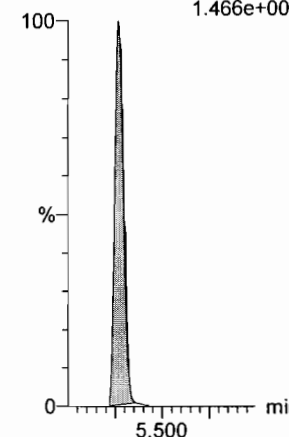
13C8-PFOS

F34:MRM of 1 channel,ES-
507.0 > 79.9
8.715e+004



d3-N-MeFOSAA

F49:MRM of 1 channel,ES-
573.3 > 419
1.466e+005

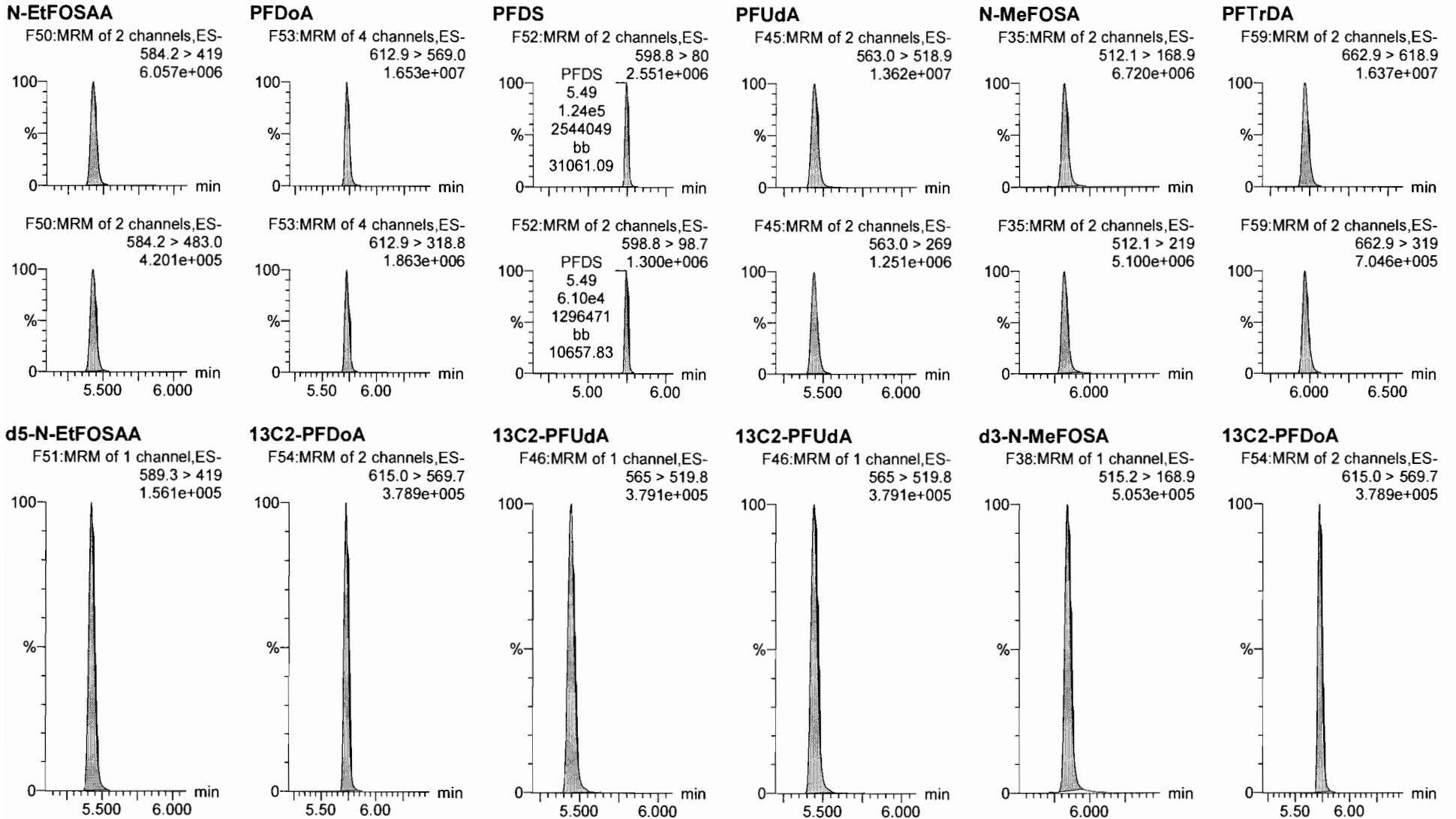


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_11, Date: 19-Apr-2018, Time: 21:44:33, ID: ST180419M2-10 PFC CS7 18D1711, Description: PFC CS7 18D1711



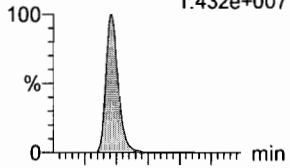
Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time
Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

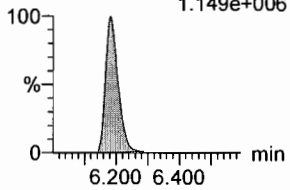
Name: 180419M2_11, Date: 19-Apr-2018, Time: 21:44:33, ID: ST180419M2-10 PFC CS7 18D1711, Description: PFC CS7 18D1711

PFTeDA

F60:MRM of 2 channels,ES-
712.9 > 668.8
1.432e+007

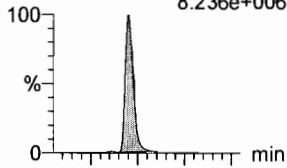


F60:MRM of 2 channels,ES-
712.9 > 369
1.149e+006

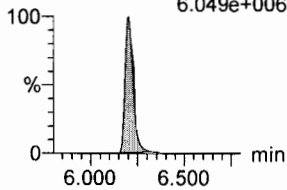


N-EtFOSA

F40:MRM of 2 channels,ES-
526.1 > 168.9
8.236e+006

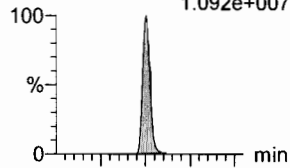


F40:MRM of 2 channels,ES-
526.1 > 219
6.049e+006

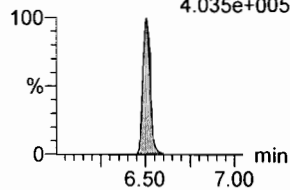


PFHxDA

F62:MRM of 2 channels,ES-
813.1 > 768.6
1.092e+007

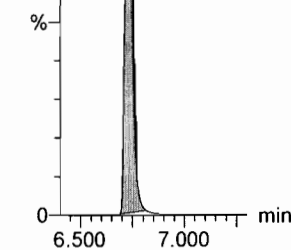
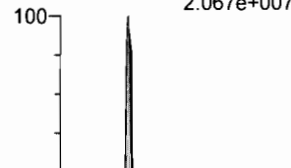


F62:MRM of 2 channels,ES-
813.1 > 219
4.035e+005



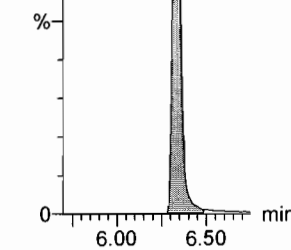
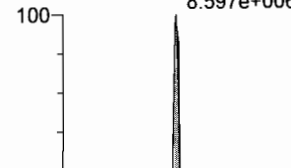
PFODA

F64:MRM of 1 channel,ES-
913.1 > 868.8
2.067e+007



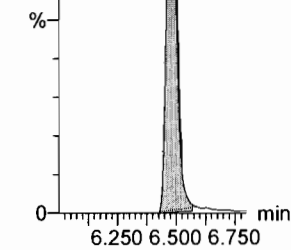
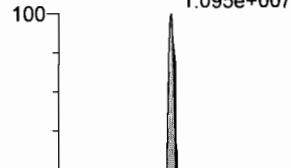
N-MeFOSE

F55:MRM of 1 channel,ES-
616.1 > 58.9
8.597e+006



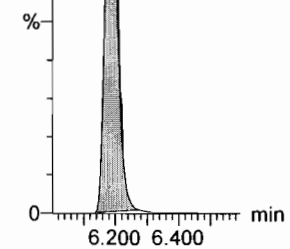
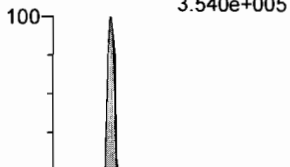
N-EtFOSE

F56:MRM of 1 channel,ES-
630.1 > 58.9
1.095e+007



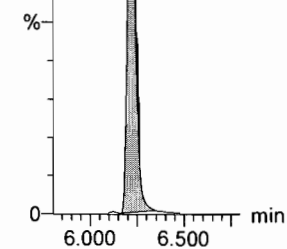
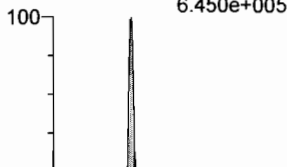
¹³C2-PFTeDA

F61:MRM of 2 channels,ES-
714.8 > 669.6
3.540e+005



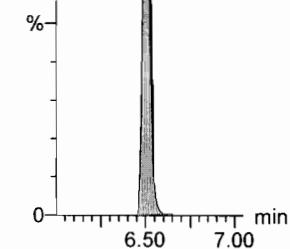
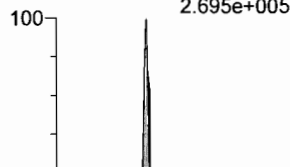
d5-N-ETFOSA

F43:MRM of 1 channel,ES-
531.1 > 168.9
6.450e+005



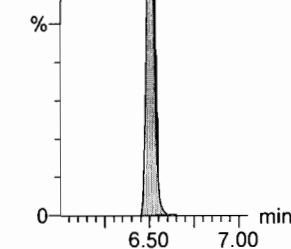
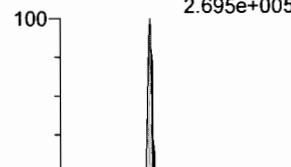
¹³C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
2.695e+005



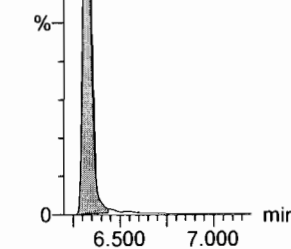
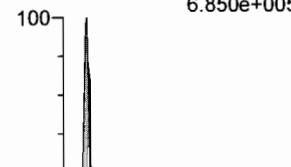
¹³C2-PFHxDA

F63:MRM of 1 channel,ES-
815 > 769.7
2.695e+005



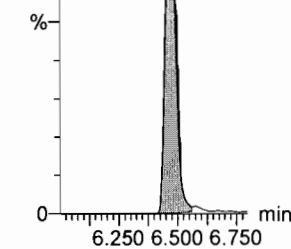
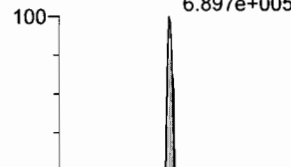
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
6.850e+005



d9-N-EtFOSE

F58:MRM of 1 channel,ES-
639.2 > 58.8
6.897e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-CRV.qld

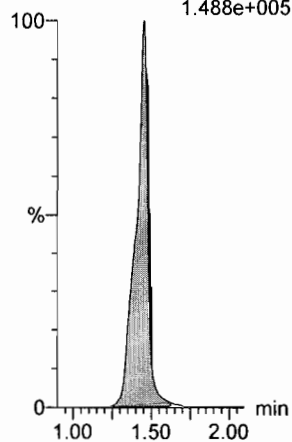
Last Altered: Thursday, April 26, 2018 15:14:43 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:20:31 Pacific Daylight Time

Name: 180419M2_11, Date: 19-Apr-2018, Time: 21:44:33, ID: ST180419M2-10 PFC CS7 18D1711, Description: PFC CS7 18D1711

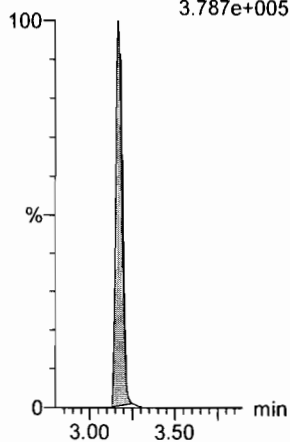
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.488e+005



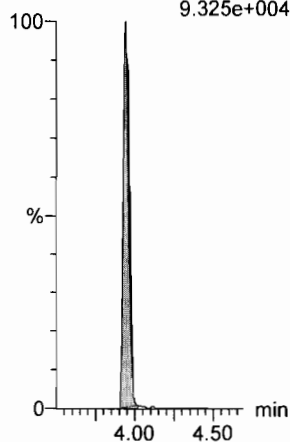
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
3.787e+005



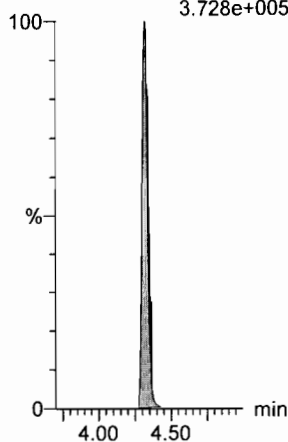
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
9.325e+004



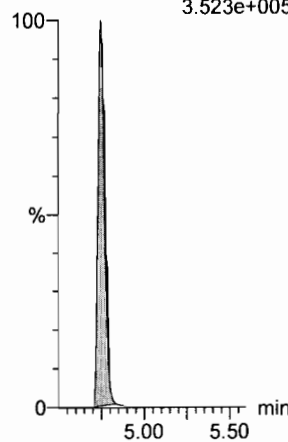
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
3.728e+005



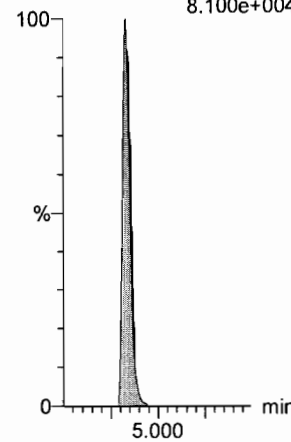
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
3.523e+005



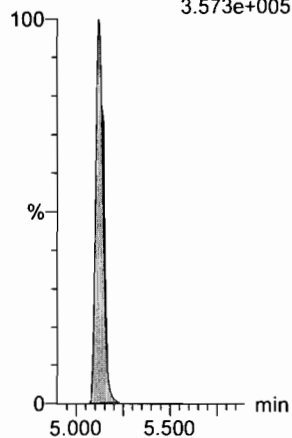
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
8.100e+004



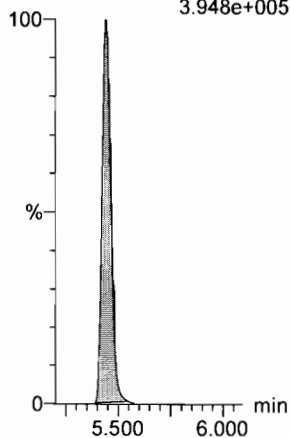
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
3.573e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-
570.1 > 524.8
3.948e+005



Dataset: F:\Projects\PFAS.PRO\Results\180419M2\180419M2-13_82FTS.qld

Last Altered: Thursday, April 26, 2018 15:36:47 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:37:03 Pacific Daylight Time

Ⓐ Not in ICV
AR 4/26/18

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_82fts.cdb 26 Apr 2018 15:14:43

Name: 180419M2_13, Date: 19-Apr-2018, Time: 22:07:32, ID: ICV180419M2-1 PFC ICV 18D1701, Description: PFC ICV 18D1701

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out
1	1 PFBA	213.0 > 16...	1.02e4	1.21e4		1.56	1.45	10.6	9.85	98.5	NO	
2	2 PFPeA	263.1 > 21...	1.12e4	1.54e4		2.54	2.40	9.11	9.42	94.2	NO	
3	3 PFBS	299.0 > 79.7	2.82e3	2.40e3		2.81	2.67	14.7	8.08	80.8	NO	
4	4 4:2 FTS	327.2>307.2	3.12e3	2.40e3		3.21	3.08	16.3	8.09	80.9	NO	
5	5 PFHxA	313.2 > 26...	1.58e4	4.94e3		3.30	3.17	16.0	10.4	103.6	NO	
6	6 PFPeS	349.1>80.1	2.33e3	2.40e3		3.50	3.37	12.1	8.13	81.3	NO	
7	7 PFHpA	363.0 > 31...	1.18e4	1.27e4		3.92	3.80	11.6	10.1	101.2	NO	
8	8 L-PFHxS	398.9 > 79.6	2.07e3	1.86e3		4.06	3.94	13.9	8.19	81.9	NO	
9	10 6:2 FTS	427.1 > 407	3.56e3	4.57e3		4.38	4.26	9.73	9.15	91.5	NO	
10	11 L-PFOA	413 > 368.7	1.48e4	1.84e4		4.30	4.31	10.1	10.8	107.9	NO	
11	13 PFHpS	449 > 80.0	2.73e3	1.84e4		4.54	4.42	1.85	9.74	97.4	NO	
12	14 PFNA	463.0 > 41...	1.53e4	1.59e4		4.87	4.75	12.0	10.8	108.3	NO	
13	15 PFOSA	498.2 > 77.9	3.19e3	4.65e3		4.93	4.81	8.57	9.81	98.1	NO	
14	16 L-PFOS	499.1 > 79.9	2.63e3	4.25e3		4.90	4.83	7.73	8.43	84.3	NO	
15	18 PFDA	513 > 468.8	1.76e4	1.59e4		5.24	5.12	13.8	10.1	101.4	NO	
16	19 8:2 FTS	527 > 506.9	3.43e3	3.09e3		5.21	5.09	13.9	9.06	90.6	NO	
17	20 PFNS	549.1>80.1	2.31e3	4.25e3		5.30	5.18	6.80	9.28	92.8	NO	
18	21 N-MeFOSAA	570.1 > 419	8.70e3	8.84e3		5.39	5.27	12.3	8.89	88.9	NO	
19	22 N-EtFOSAA	584.2 > 419	7.41e3	9.29e3		5.55	5.43	9.97	10.4	103.9	NO	
20	23 PFUdA	563.0 > 51...	1.48e4	2.04e4		5.56	5.44	9.06	9.95	99.5	NO	
21	24 PFDS	598.8 > 80	2.55e3	2.04e4		5.61	5.49	1.57	9.59	95.9	NO	
22	25 PFDoA	612.9 > 56...	1.55e4	2.06e4		5.84	5.72	9.41	8.27	82.7	NO	
23	26 N-MeFOSA	512.1 > 16...		2.60e4		6.00					Ⓐ NO	
24	27 PFTrDA	662.9 > 61...	1.51e4	2.06e4		6.10	5.97	9.20	7.37	73.7	NO	
25	28 PFTeDA	712.9 > 66...	1.44e4	1.57e4		6.30	6.18	11.5	9.03	90.3	NO	
26	29 N-EtFOSA	526.1 > 16...		3.69e4		6.38					Ⓐ NO	
27	30 PFHxDA	813.1 > 76...		1.05e4		6.62					NO	
28	31 PFODA	913.1 > 86...		1.05e4		6.85					NO	
29	32 N-MeFOSE	616.1 > 58.9		3.70e4		6.50					NO	
30	33 N-EtFOSE	630.1 > 58.9		3.31e4		6.65					NO	
31	34 13C3-PFBA	216.1 > 17...	1.21e4	1.34e4	0.908	1.56	1.45	11.3	12.4	99.2	NO	

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4/26/18

Dataset: F:\Projects\PFAS.PRO\Results\180419M2\180419M2-13_82FTS.qld

Last Altered: Thursday, April 26, 2018 15:36:47 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:37:03 Pacific Daylight Time

Name: 180419M2_13, Date: 19-Apr-2018, Time: 22:07:32, ID: ICV180419M2-1 PFC ICV 18D1701, Description: PFC ICV 18D1701

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35 13C3-PFPeA	266. > 221.8	1.54e4	1.65e4	0.868	2.54	2.40	11.6	13.4	107.3	NO
33	36 13C3-PFBS	302. > 98.8	2.40e3	1.65e4	0.131	2.81	2.67	1.82	13.8	110.8	NO
34	37 13C2-PFHxA	315 > 269.8	4.94e3	1.65e4	0.735	3.30	3.17	3.74	5.09	101.9	NO
35	38 13C4-PFHpA	367.2 > 32...	1.27e4	1.65e4	0.768	3.92	3.79	9.61	12.5	100.1	NO
36	39 18O2-PFHxS	403.0 > 10...	1.86e3	3.96e3	0.456	4.06	3.94	5.87	12.9	103.0	NO
37	40 13C2-6:2 FTS	429.1 > 40...	4.57e3	1.70e4	0.287	4.38	4.26	3.37	11.7	93.9	NO
38	41 13C2-PFOA	414.9 > 36...	1.84e4	1.70e4	1.104	4.43	4.32	13.6	12.3	98.4	NO
39	42 13C5-PFNA	468.2 > 42...	1.59e4	1.65e4	0.960	4.87	4.75	12.0	12.5	100.2	NO
40	43 13C8-PFOA	506.1 > 77.7	4.65e3	2.11e4	0.199	4.93	4.81	2.76	13.8	110.7	NO
41	44 13C8-PFOS	507.0 > 79.9	4.25e3	4.18e3	1.045	4.95	4.83	12.7	12.2	97.3	NO
42	45 13C2-PFDA	515.1 > 46...	1.59e4	1.93e4	0.902	5.24	5.12	10.3	11.4	91.5	NO
43	46 13C2-8:2 FTS	529.1 > 50...	3.09e3	1.65e4	0.222	5.21	5.09	2.34	10.5	84.3	NO
44	47 d3-N-MeFOSAA	573.3 > 419	8.84e3	2.11e4	0.375	5.39	5.27	5.25	14.0	111.9	NO
45	48 d5-N-EtFOSAA	589.3 > 419	9.29e3	2.11e4	0.416	5.55	5.43	5.51	13.2	105.9	NO
46	49 13C2-PFUDa	565 > 519.8	2.04e4	2.11e4	0.919	5.56	5.45	12.1	13.1	105.1	NO
47	50 13C2-PFDoA	615.0 > 56...	2.06e4	2.11e4	0.856	5.84	5.72	12.2	14.3	114.0	NO
48	51 d3-N-MeFOSA	515.2 > 16...	2.60e4	2.11e4	0.100	6.00	5.84	15.4	155	103.1	NO
49	52 13C2-PFTeDA	714.8 > 66...	1.57e4	2.11e4	0.725	6.30	6.18	9.30	12.8	102.7	NO
50	53 d5-N-ETFOSA	531.1 > 16...	3.69e4	2.11e4	0.140	6.40	6.21	21.9	156	104.0	NO
51	54 13C2-PFHxDA	815 > 769.7	1.05e4	2.11e4	1.347	6.62	6.50	6.21	4.61	92.2	NO
52	55 d7-N-MeFOSE	623.1 > 58.9	3.70e4	2.11e4	0.140	6.50	6.32	22.0	157	104.4	NO
53	56 d9-N-EtFOSE	639.2 > 58.8	3.31e4	2.11e4	0.134	6.65	6.47	19.7	147	97.9	NO
54	57 13C4-PFBA	217. > 171.8	1.34e4	1.34e4	1.000	1.56	1.45	12.5	12.5	100.0	NO
55	58 13C5-PFHxA	318 > 272.9	1.65e4	1.65e4	1.000	3.30	3.17	12.5	12.5	100.0	NO
56	59 13C3-PFHxS	401.9 > 79.9	3.96e3	3.96e3	1.000	4.04	3.94	12.5	12.5	100.0	NO
57	60 13C8-PFOA	421.3 > 376	1.70e4	1.70e4	1.000	4.43	4.31	12.5	12.5	100.0	NO
58	61 13C9-PFNA	472.2 > 42...	1.65e4	1.65e4	1.000	4.87	4.75	12.5	12.5	100.0	NO
59	62 13C4-PFOS	503 > 79.9	4.18e3	4.18e3	1.000	4.95	4.83	12.5	12.5	100.0	NO
60	63 13C6-PFDA	519.1 > 47...	1.93e4	1.93e4	1.000	5.24	5.12	12.5	12.5	100.0	NO
61	64 13C7-PFUDa	570.1 > 52...	2.11e4	2.11e4	1.000	5.56	5.44	12.5	12.5	100.0	NO

Dataset: F:\Projects\PFAS.PRO\Results\180419M2\180419M2-13_82FTS.qld

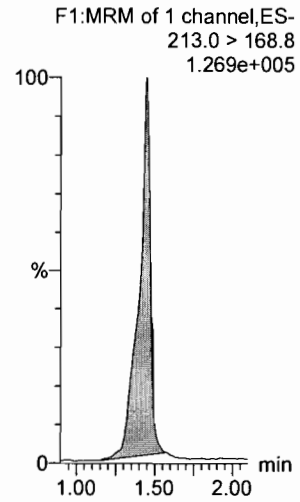
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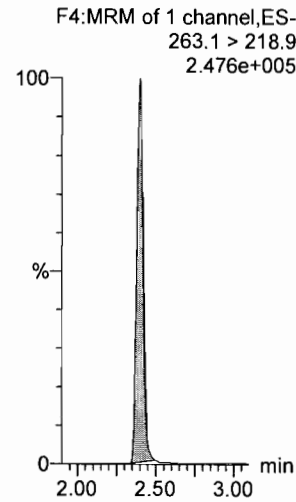
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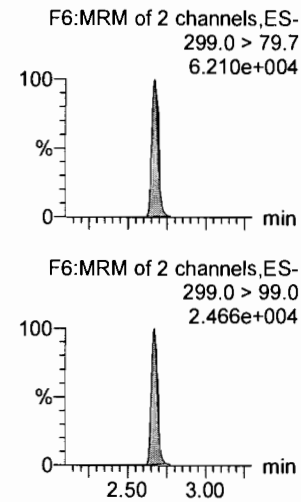
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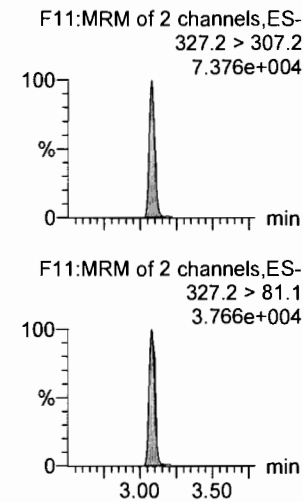
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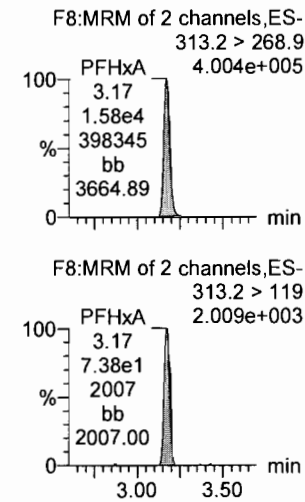
PFBS



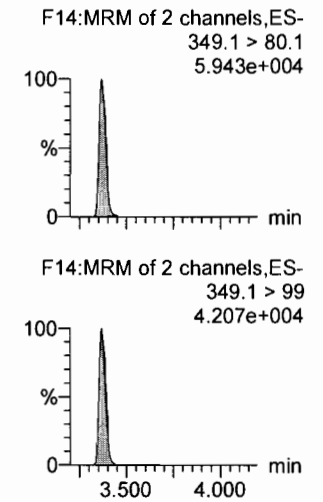
4:2 FTS



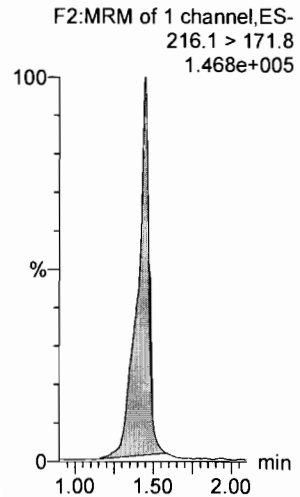
PFHxA



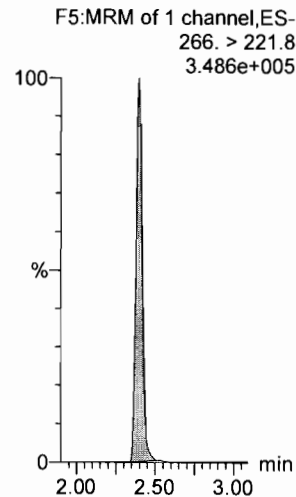
PFPeS



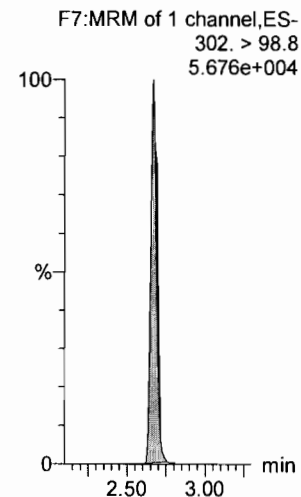
13C3-PFBA



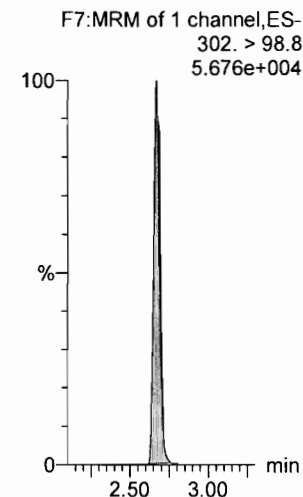
13C3-PFPeA



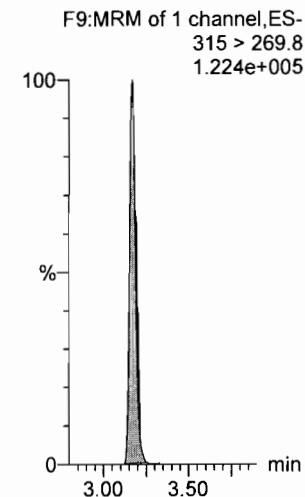
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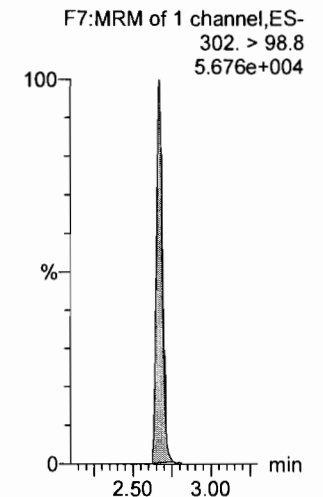
13C3-PFBS



13C2-PFHxA



13C3-PFBS



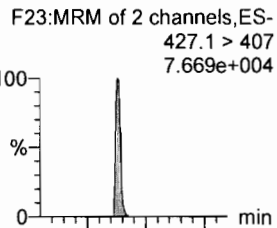
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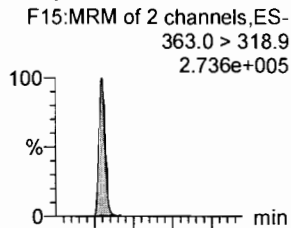
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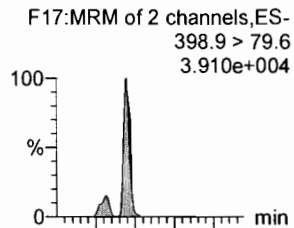
6:2 FTS



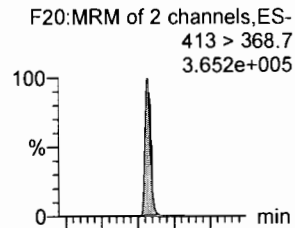
PFHpA



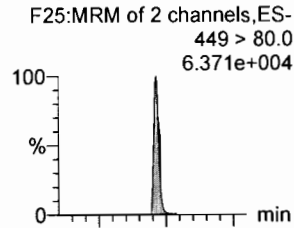
L-PFHxS



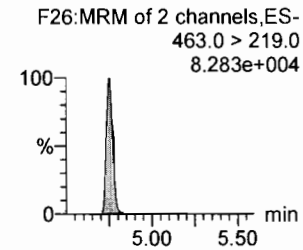
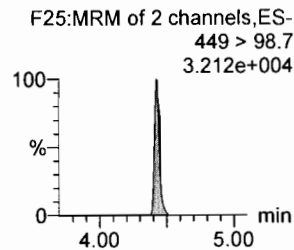
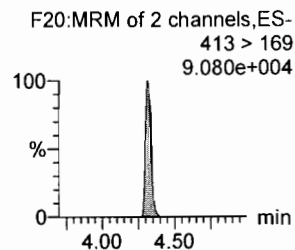
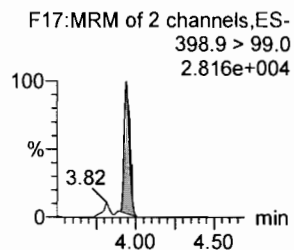
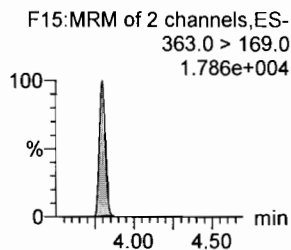
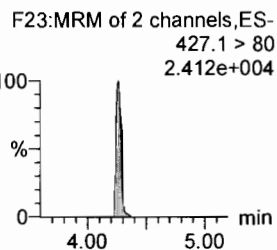
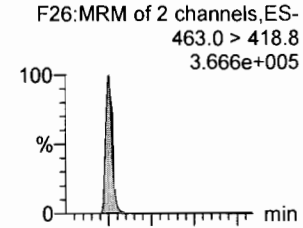
L-PFOA



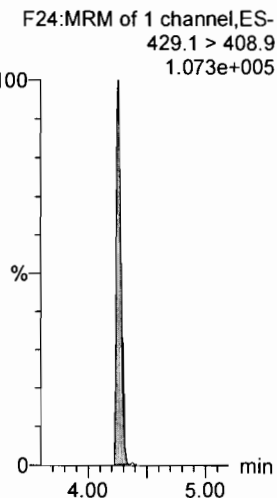
PFHpS



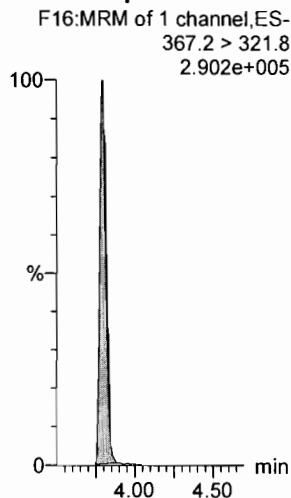
PFNA



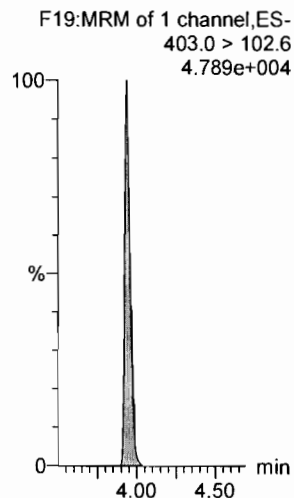
13C2-6:2 FTS



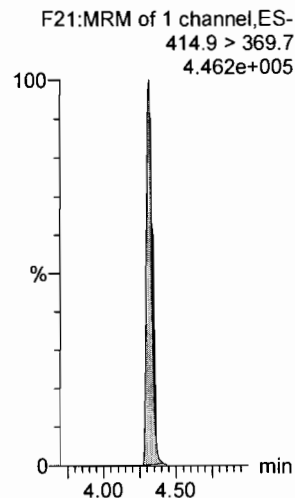
13C4-PFHpA



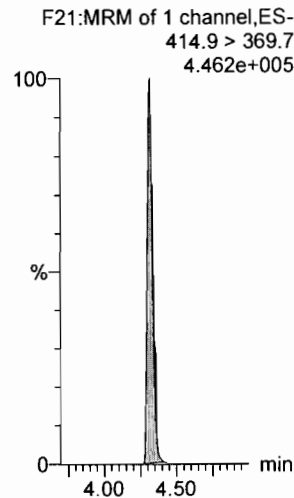
18O2-PFHxS



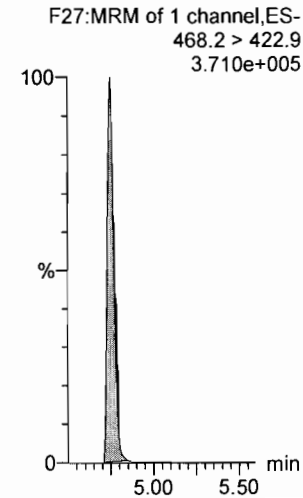
13C2-PFOA



13C2-PFOA



13C5-PFNA



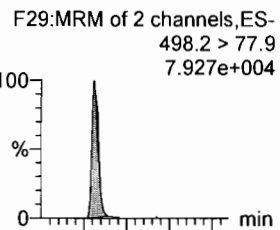
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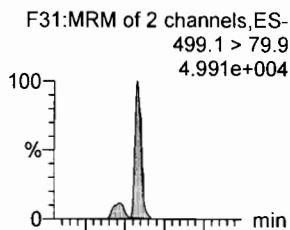
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Name: 180419M2_13, Date: 19-Apr-2018, Time: 22:07:32, ID: ICV180419M2-1 PFC ICV 18D1701, Description: PFC ICV 18D1701

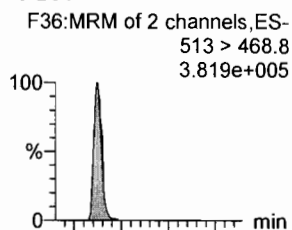
PFOSA



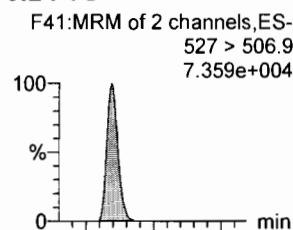
L-PFOS



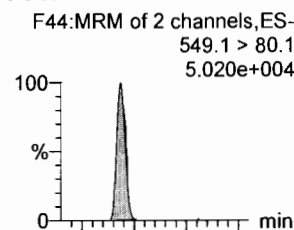
PFDA



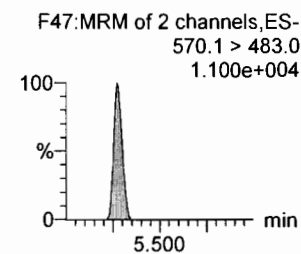
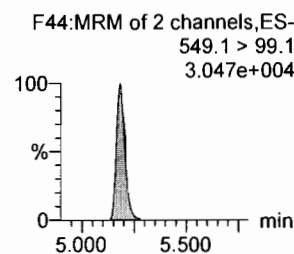
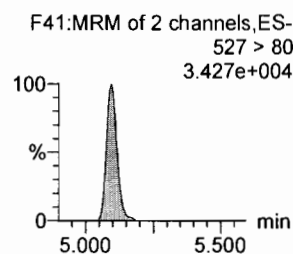
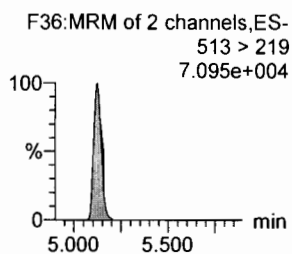
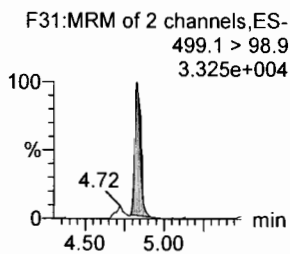
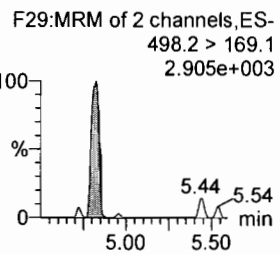
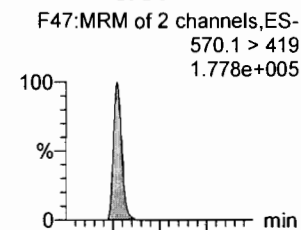
8:2 FTS



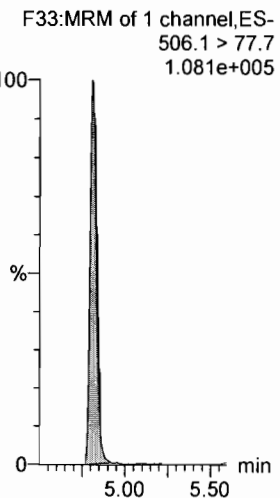
PFNS



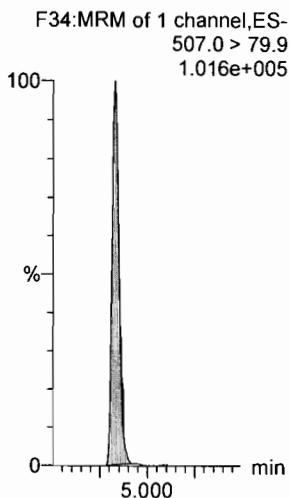
N-MeFOSAA



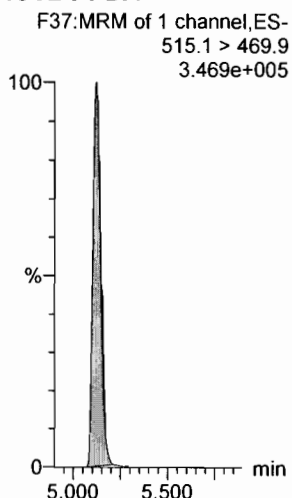
13C8-PFOSA



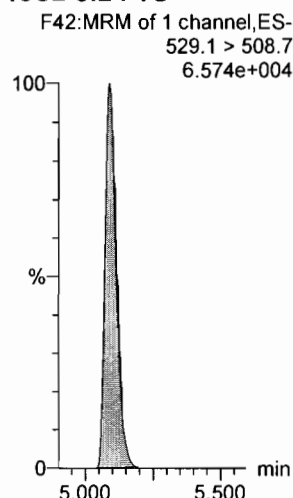
13C8-PFOS



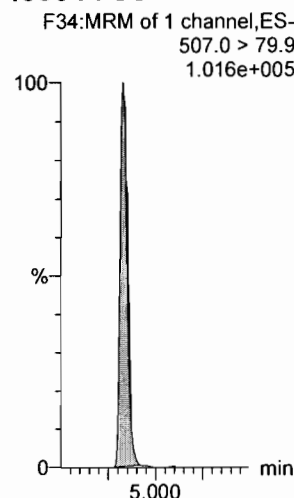
13C2-PFDA



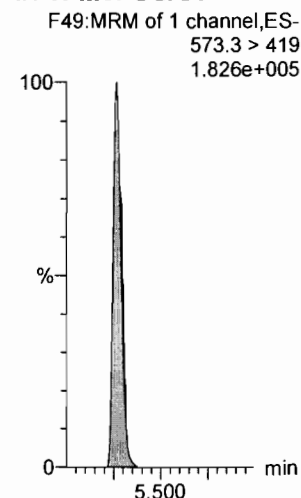
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



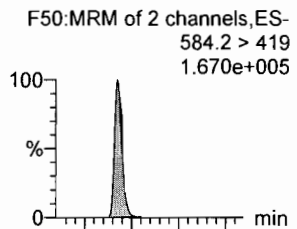
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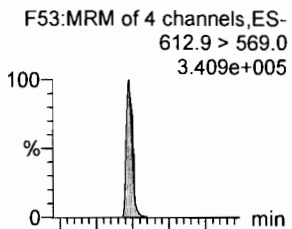
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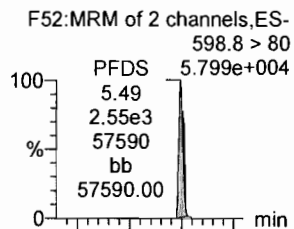
N-EtFOSAA



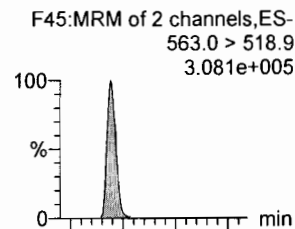
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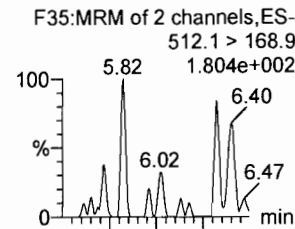
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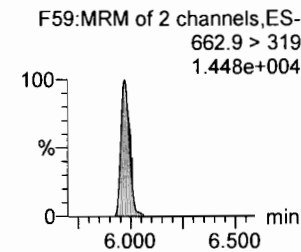
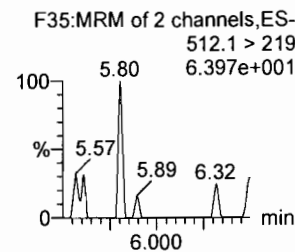
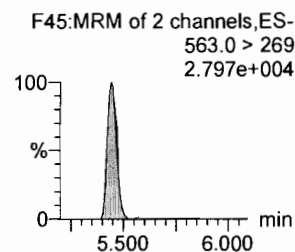
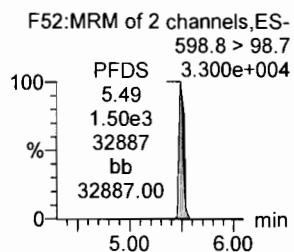
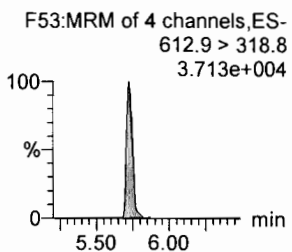
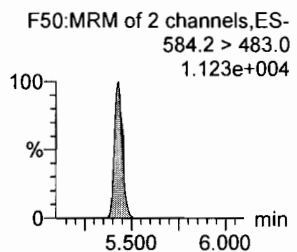
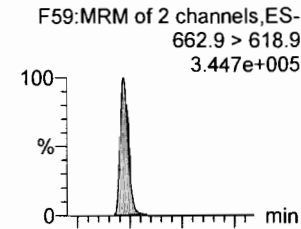
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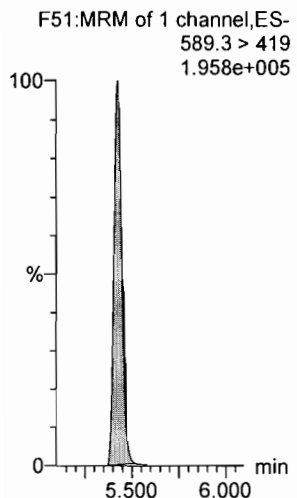
N-MeFOSA



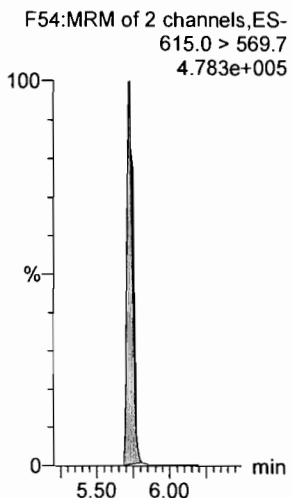
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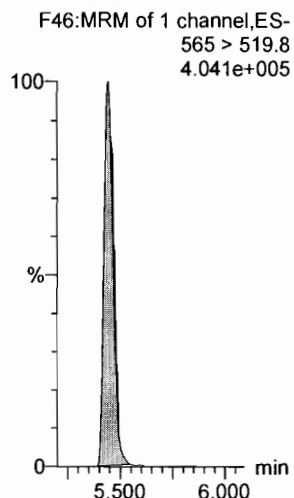
d5-N-EtFOSAA



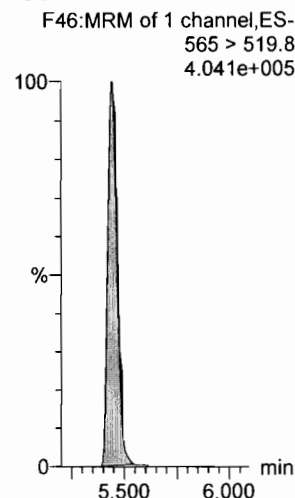
13C2-PFDoA



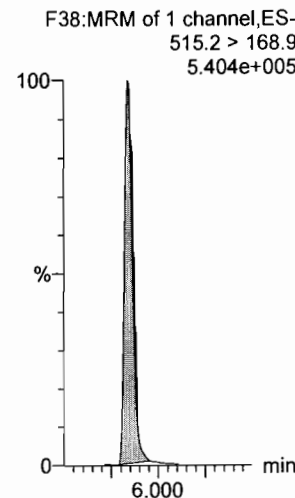
13C2-PFUdA



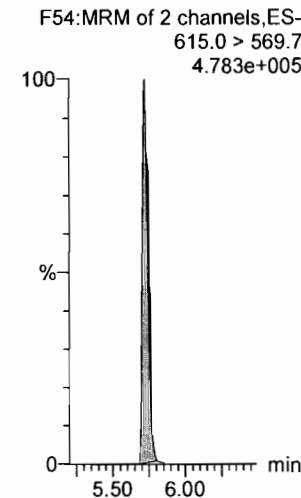
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



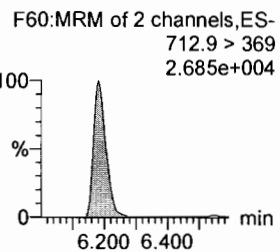
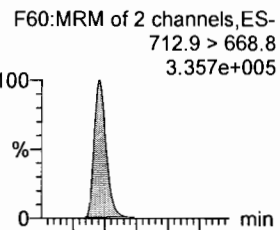
Dataset: F:\Projects\PFAS.PRO\Results\180419M2\180419M2-13_82FTS.qld

Last Altered: Thursday, April 26, 2018 15:36:47 Pacific Daylight Time

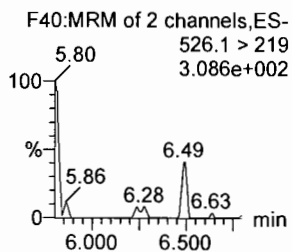
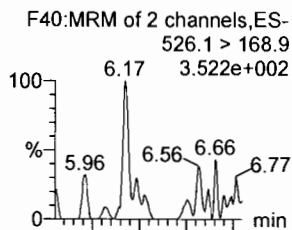
Printed: Thursday, April 26, 2018 15:37:03 Pacific Daylight Time

Name: 180419M2_13, Date: 19-Apr-2018, Time: 22:07:32, ID: ICV180419M2-1 PFC ICV 18D1701, Description: PFC ICV 18D1701

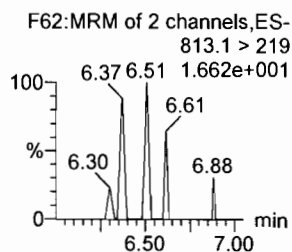
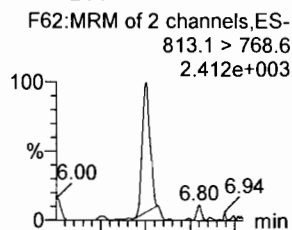
PFTeDA



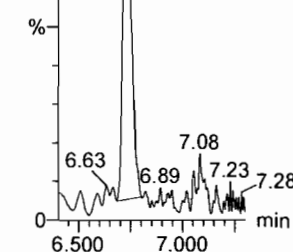
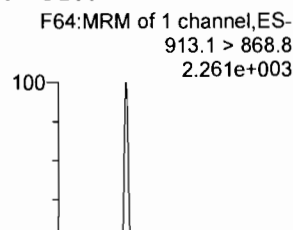
N-EtFOSA



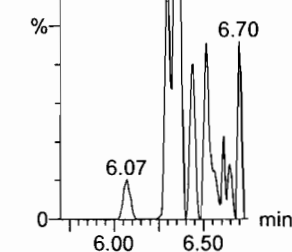
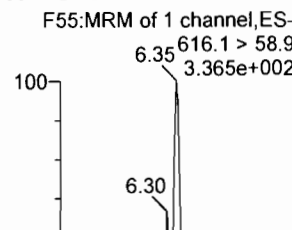
PFHxDA



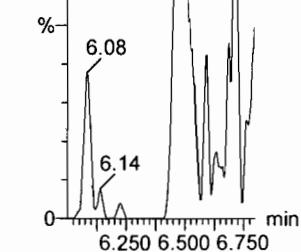
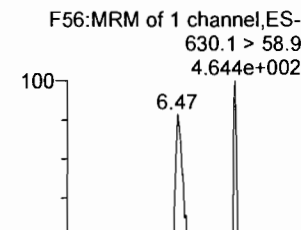
PFODA



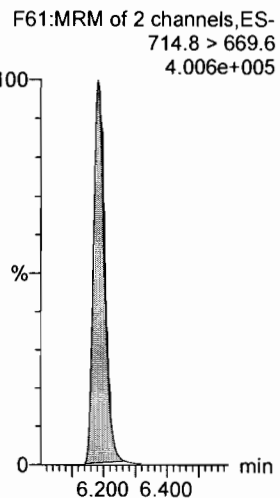
N-MeFOSE



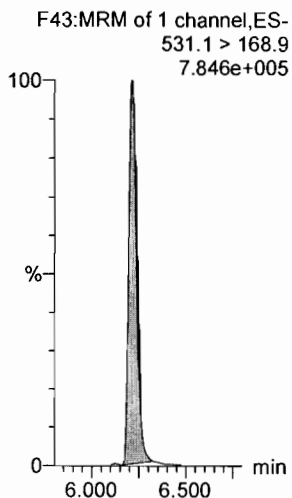
N-EtFOSE



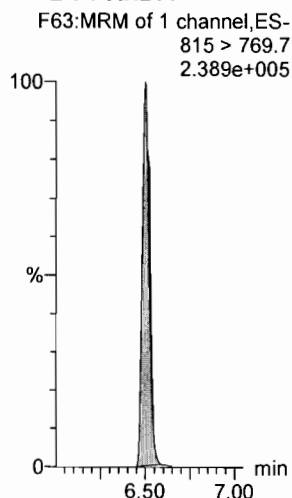
13C2-PFTeDA



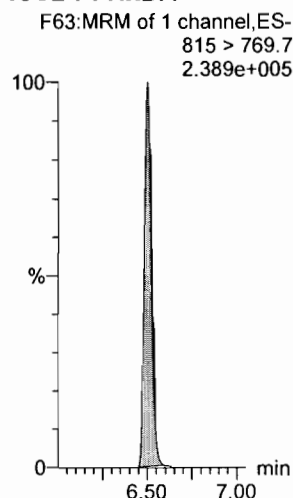
d5-N-ETFOSA



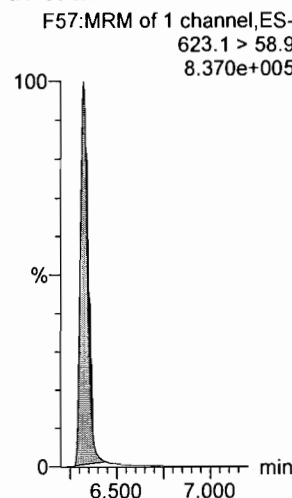
13C2-PFHxDA



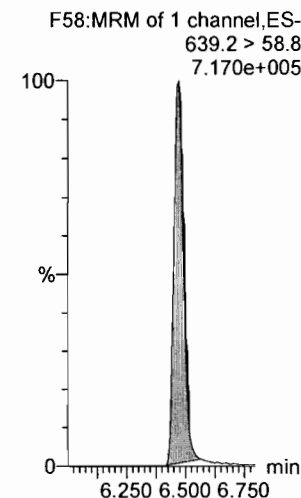
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: F:\Projects\PFAS.PRO\Results\180419M2\180419M2-13_82FTS.qld

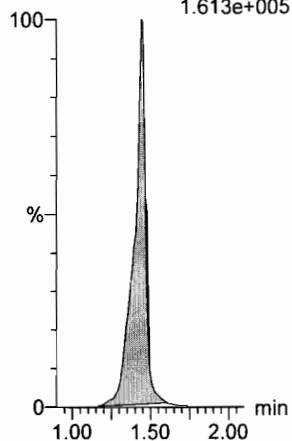
Last Altered: Thursday, April 26, 2018 15:36:47 Pacific Daylight Time

Printed: Thursday, April 26, 2018 15:37:03 Pacific Daylight Time

Name: 180419M2_13, Date: 19-Apr-2018, Time: 22:07:32, ID: ICV180419M2-1 PFC ICV 18D1701, Description: PFC ICV 18D1701

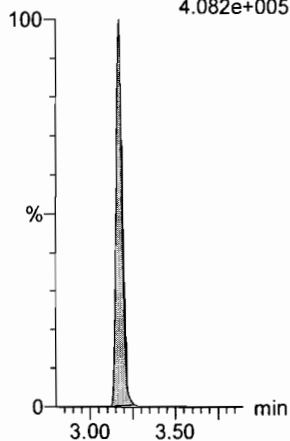
13C4-PFBA

F3:MRM of 1 channel,ES-
217. > 171.8
1.613e+005



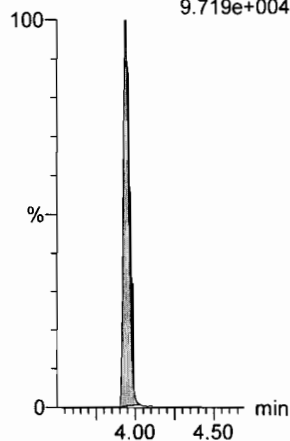
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
4.082e+005



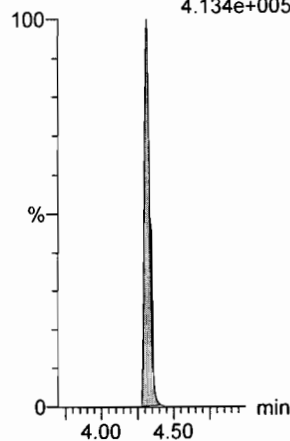
13C3-PFHxS

F18:MRM of 1 channel,ES-
401.9 > 79.9
9.719e+004



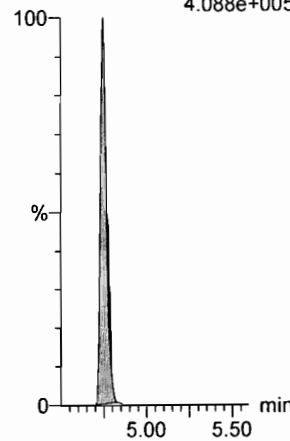
13C8-PFOA

F22:MRM of 1 channel,ES-
421.3 > 376
4.134e+005



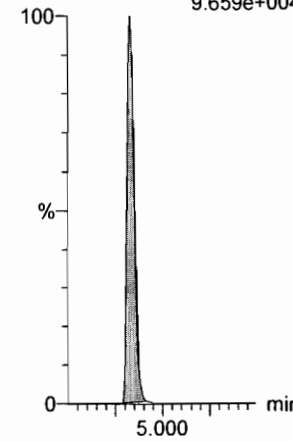
13C9-PFNA

F28:MRM of 1 channel,ES-
472.2 > 426.9
4.088e+005



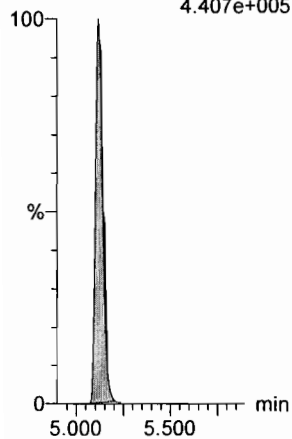
13C4-PFOS

F32:MRM of 1 channel,ES-
503 > 79.9
9.659e+004



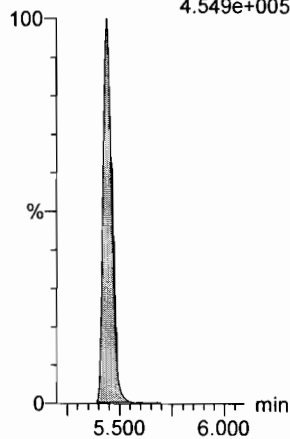
13C6-PFDA

F39:MRM of 1 channel,ES-
519.1 > 473.7
4.407e+005



13C7-PFUdA

F48:MRM of 1 channel,ES-
570.1 > 524.8
4.549e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-12.qld

Last Altered: Friday, April 20, 2018 13:01:09 Pacific Daylight Time

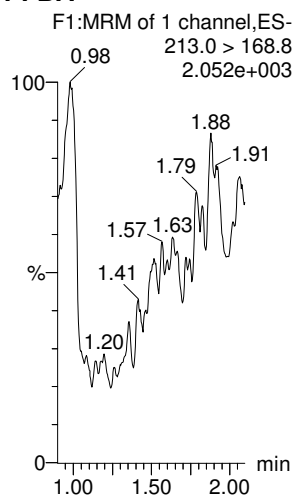
Printed: Friday, April 20, 2018 13:01:44 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_041618.mdb 19 Apr 2018 13:44:45

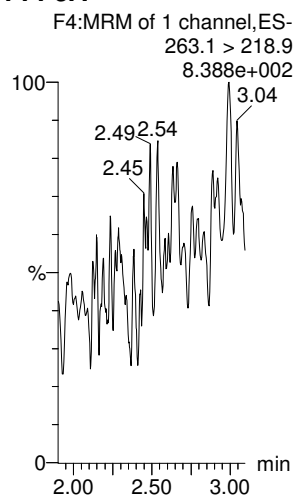
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_04-19-18_M2-FULL.cdb 20 Apr 2018 12:27:54

Name: 180419M2_12, Date: 19-Apr-2018, Time: 21:56:03, ID: IPA, Description: IPA

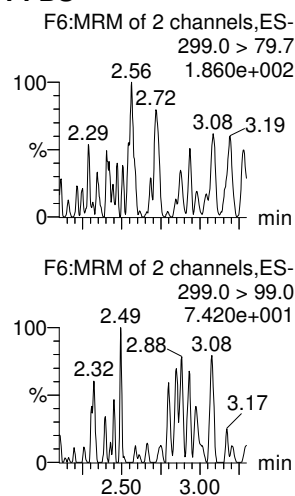
PFBA



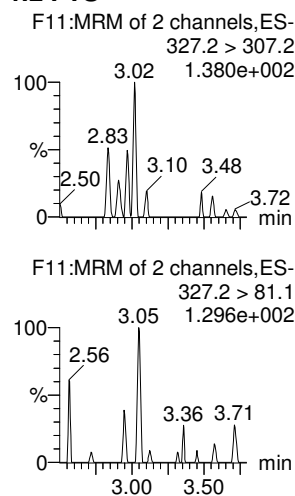
PFPeA



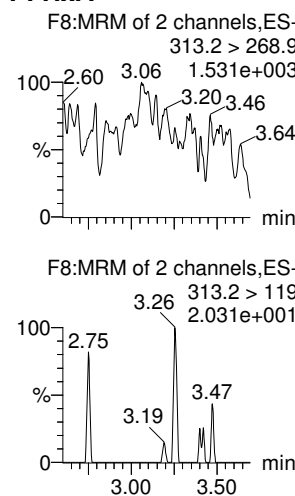
PFBS



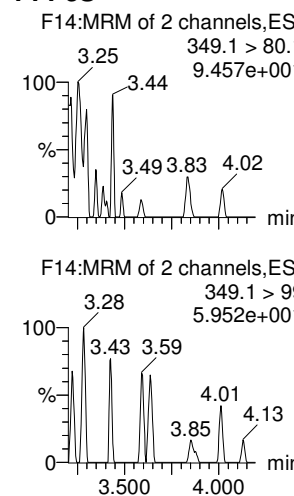
4:2 FTS



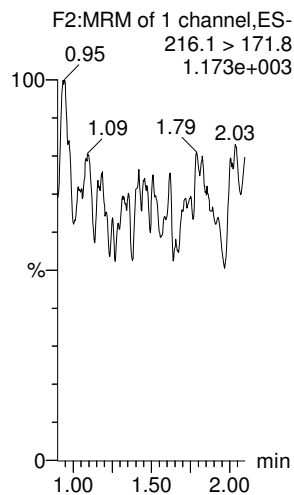
PFHxA



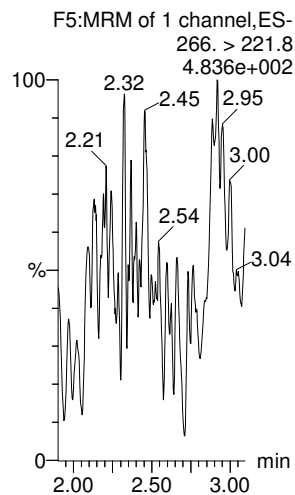
PFPeS



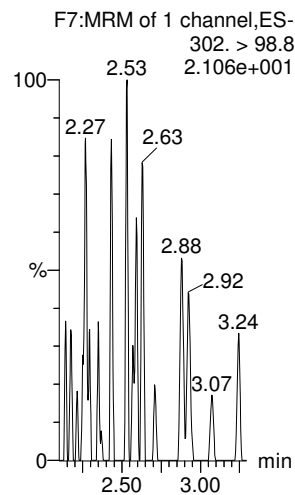
13C3-PFBA



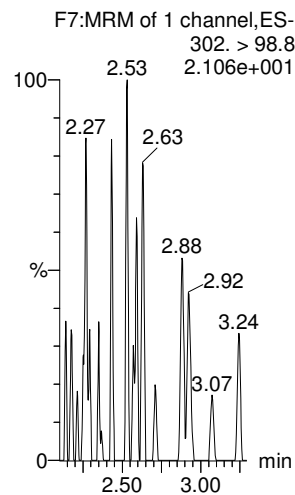
13C3-PFPeA



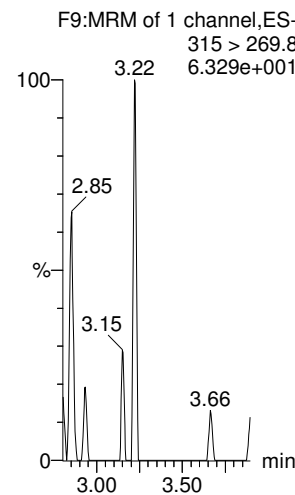
13C3-PFBS



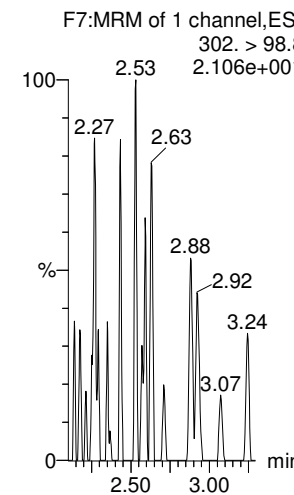
13C3-PFBS



13C2-PFHxA



13C3-PFBS



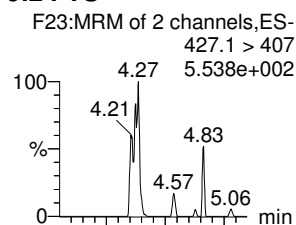
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Last Altered: Friday, April 20, 2018 13:01:09 Pacific Daylight Time

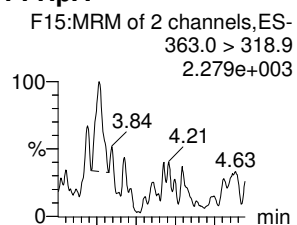
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Name: 180419M2_12, Date: 19-Apr-2018, Time: 21:56:03, ID: IPA, Description: IPA

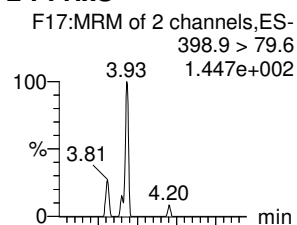
6:2 FTS



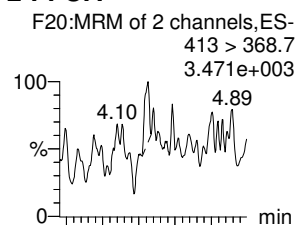
PFHpA



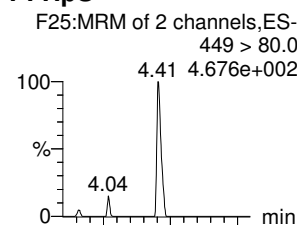
L-PFHxS



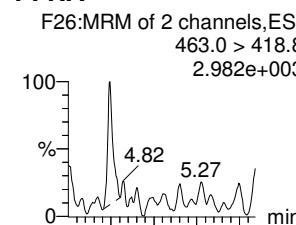
L-PFOA



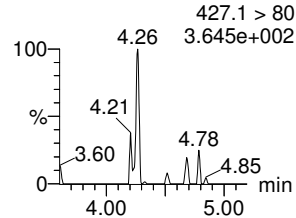
PFHpS



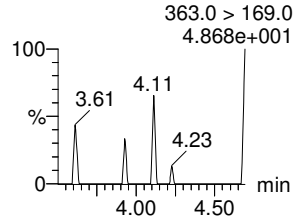
PFNA



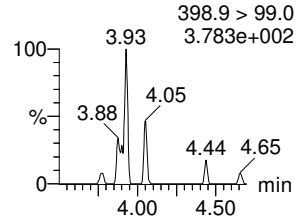
6:2 FTS



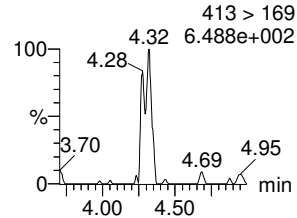
PFHpA



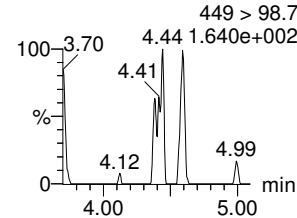
L-PFHxS



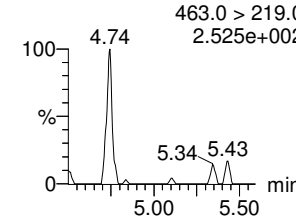
L-PFOA



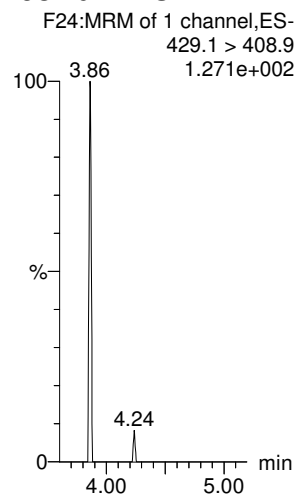
PFHpS



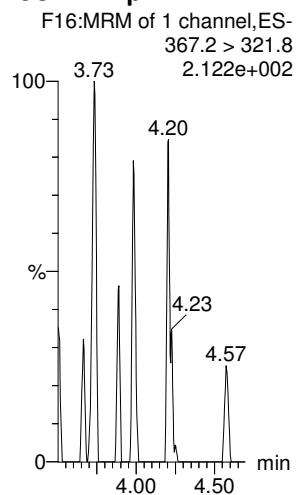
PFNA



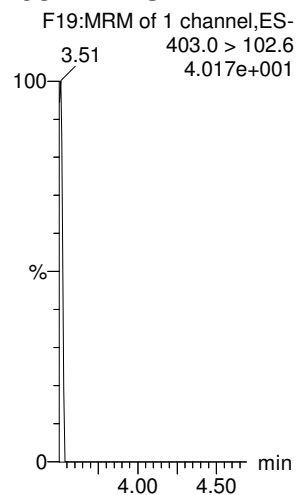
13C2-6:2 FTS



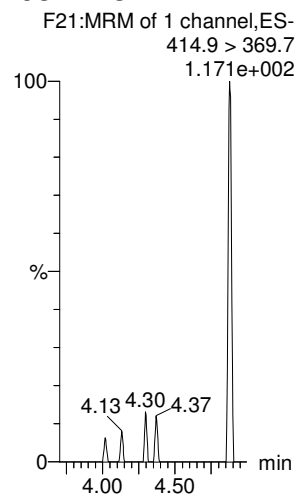
13C4-PFHpA



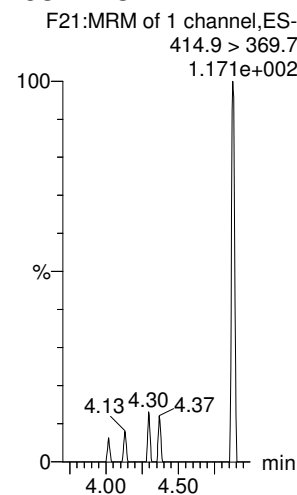
18O2-PFHxS



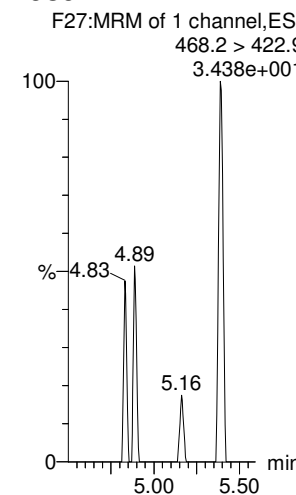
13C2-PFOA



13C2-PFOA



13C5-PFNA



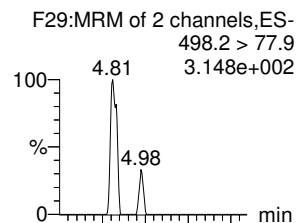
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Last Altered: Friday, April 20, 2018 13:01:09 Pacific Daylight Time

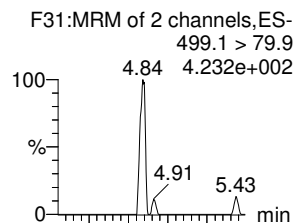
Printed: Friday, April 20, 2018 13:01:44 Pacific Daylight Time

Name: 180419M2_12, Date: 19-Apr-2018, Time: 21:56:03, ID: IPA, Description: IPA

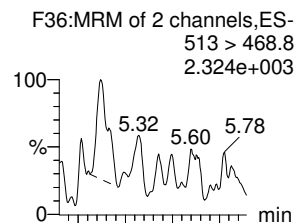
PFOSA



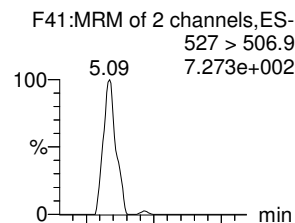
L-PFOS



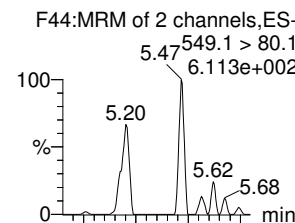
PFDA



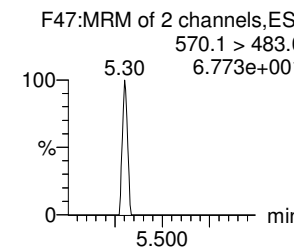
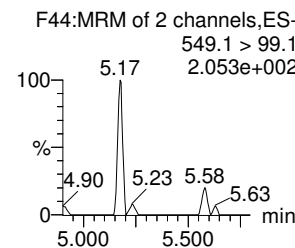
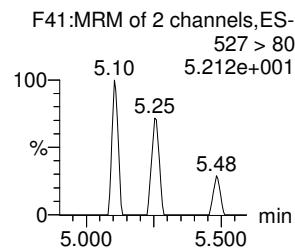
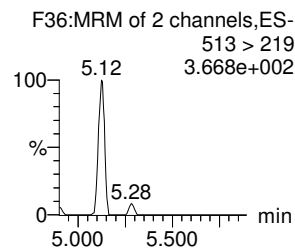
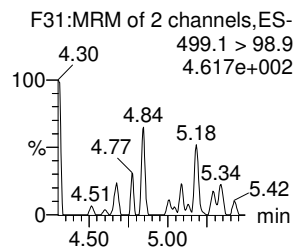
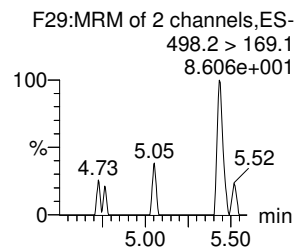
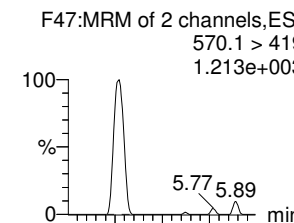
8:2 FTS



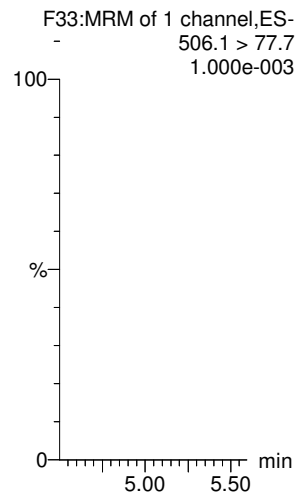
PFNS



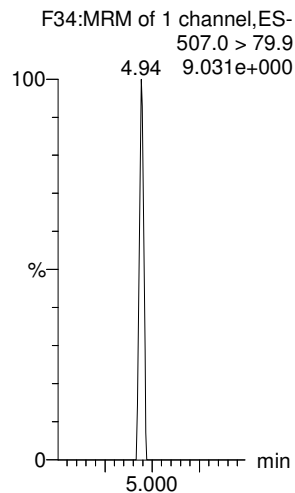
N-MeFOSAA



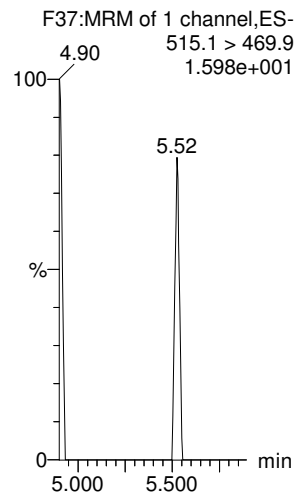
13C8-PFOSA



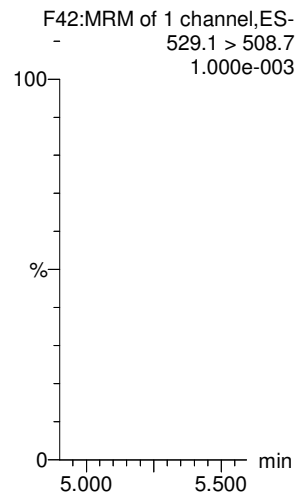
13C8-PFOS



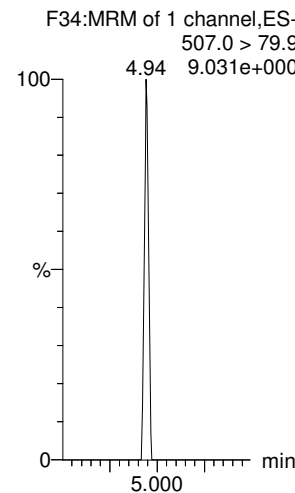
13C2-PFDA



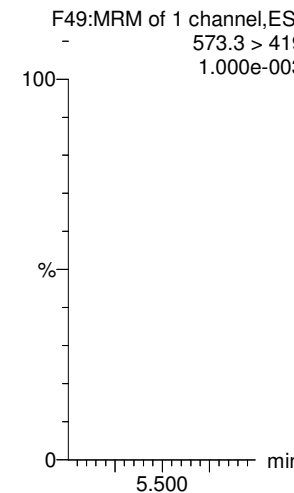
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

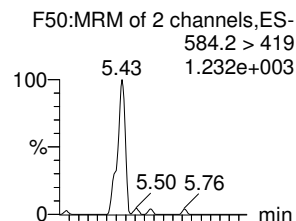


Dataset: Z:\Projects\PFAS.PRO\Results\180419M2\180419M2-12.qld

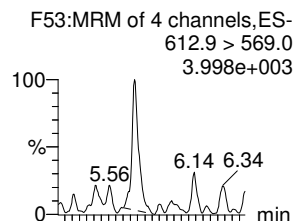
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Printed: Friday, April 20, 2018 13:01:44 Pacific Daylight Time

Name: 180419M2_12, Date: 19-Apr-2018, Time: 21:56:03, ID: IPA, Description: IPA

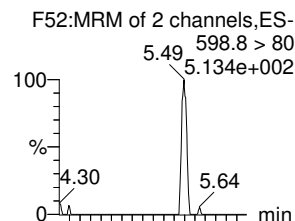
N-EtFOSAA



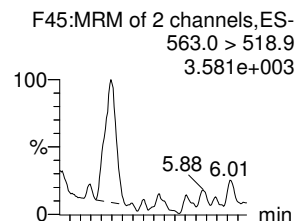
PFDoA



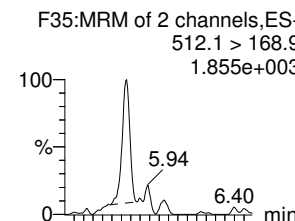
PFDS



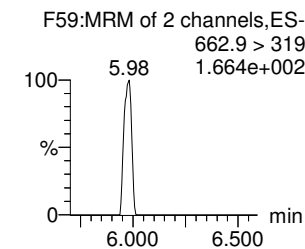
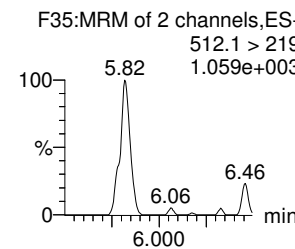
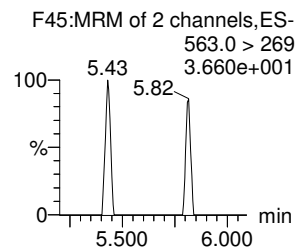
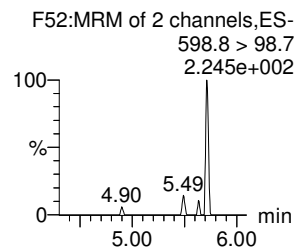
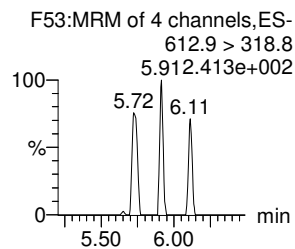
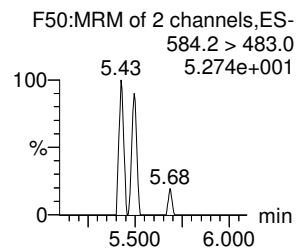
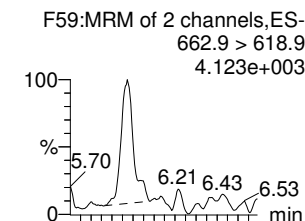
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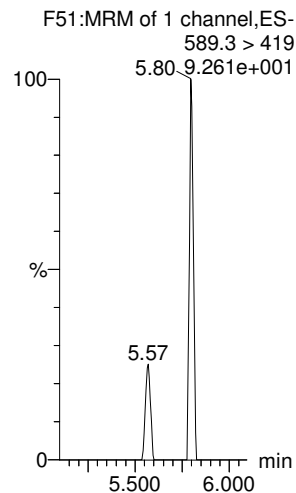
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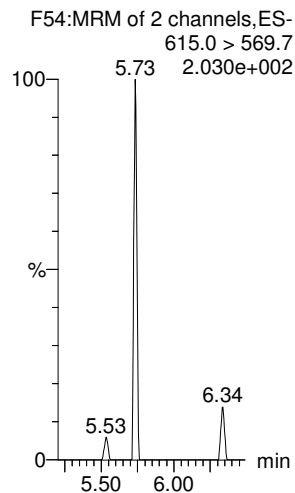
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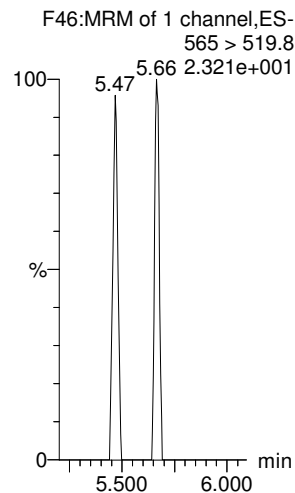
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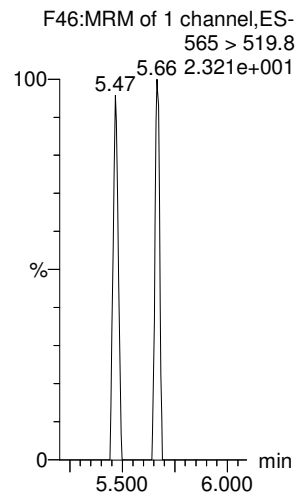
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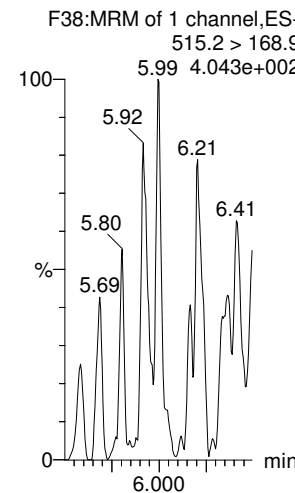
13C2-PFUdA



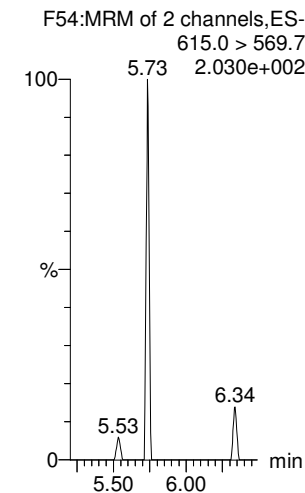
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



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Printed: Friday, April 20, 2018 13:01:44 Pacific Daylight Time

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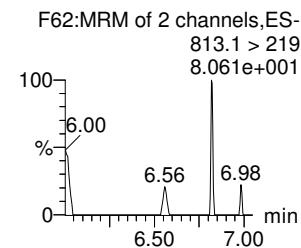
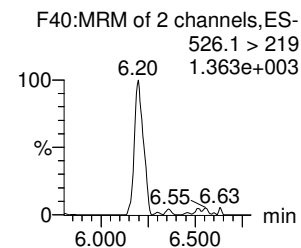
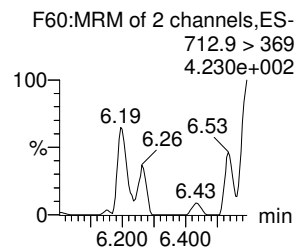
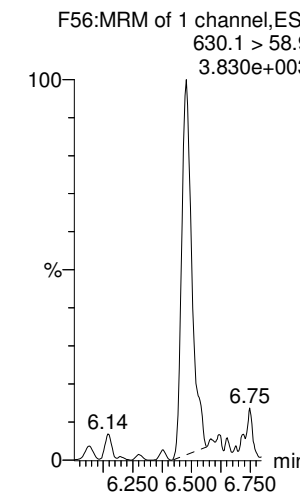
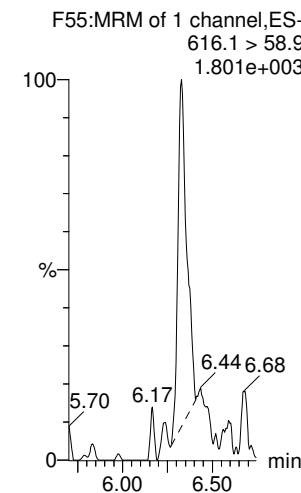
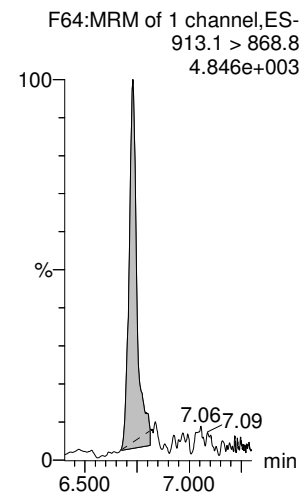
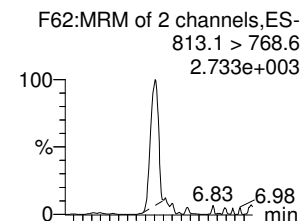
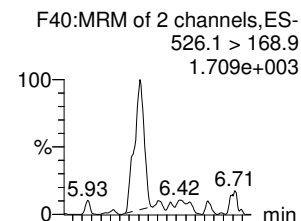
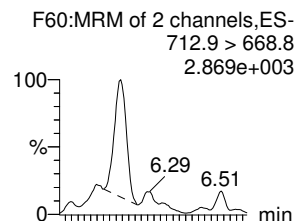
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PFHxDA

PFODA

N-MeFOSE

N-EtFOSE



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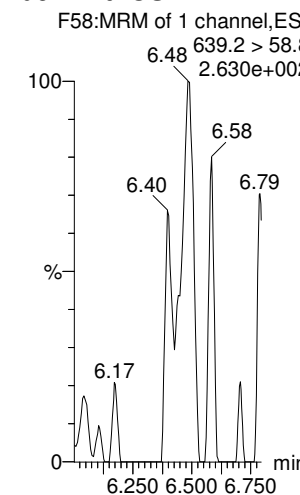
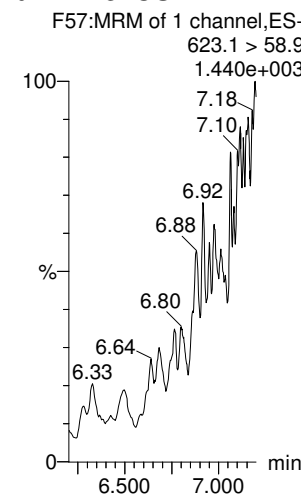
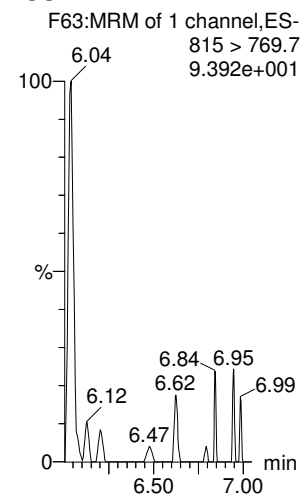
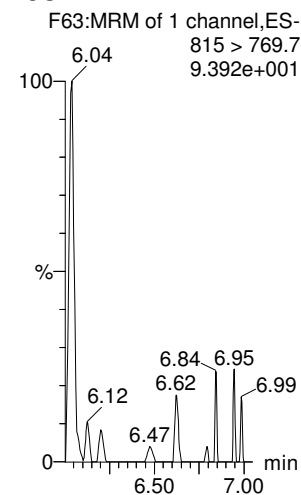
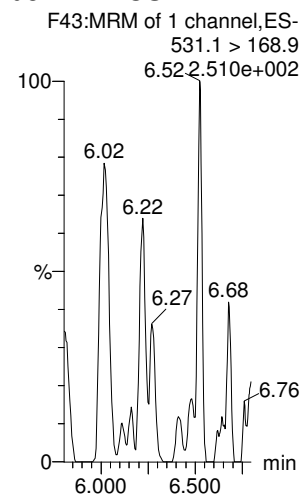
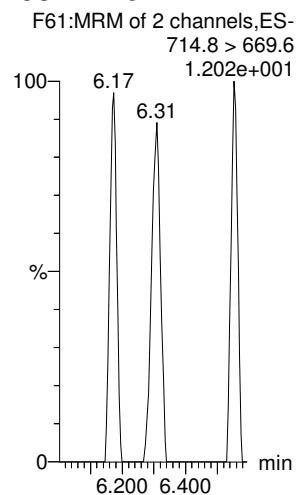
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13C2-PFHxDA

13C2-PFHxDA

d7-N-MeFOSE

d9-N-EtFOSE



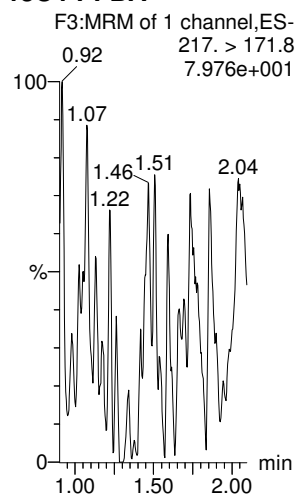
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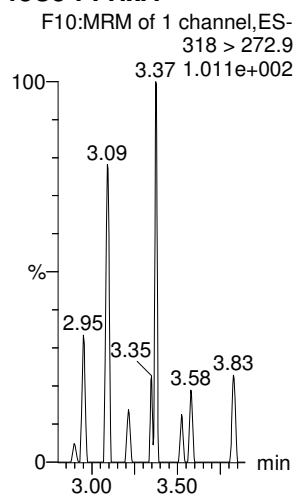
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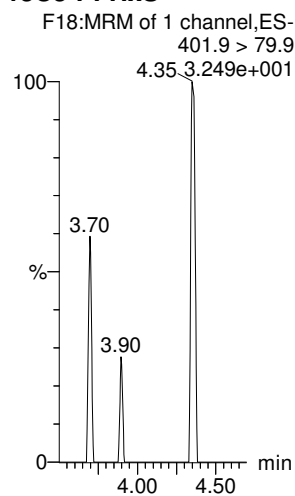
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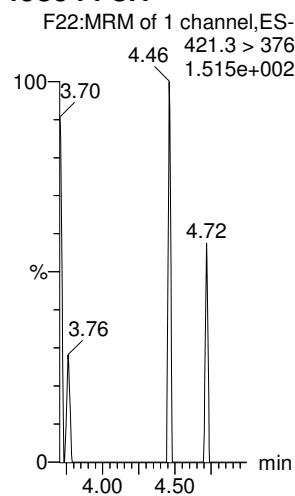
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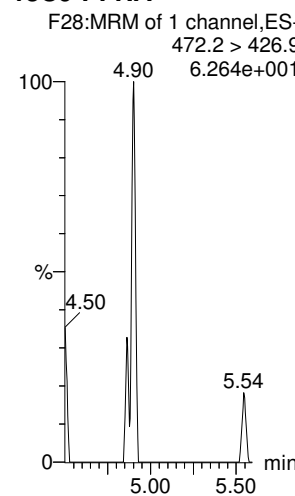
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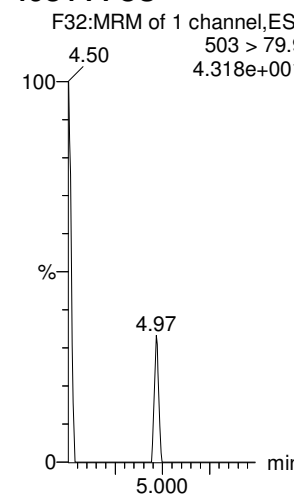
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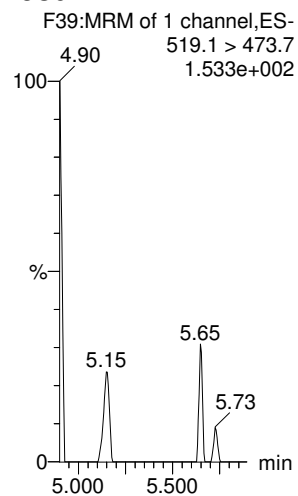
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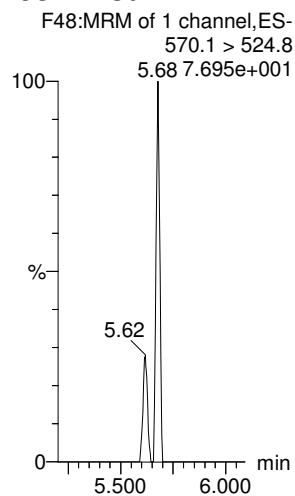
13C4-PFOS



13C6-PFDA



13C7-PFUdA



June 06, 2018

Vista Work Order No. 1801010

Ms. Maya Murshak
Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Dear Ms. Murshak,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 22, 2018. This sample set was analyzed on a rush turn-around time, under your Project Name 'Wurtsmith AFB'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1801010

Case Narrative

Sample Condition on Receipt:

Fifteen aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

PFAS Isotope Dilution Method

Sample "MW0052021180517MK" contained particulate and was centrifuged prior to extraction.

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method (Modified EPA Method 537).

Holding Times

The samples were extracted and analyzed within the method hold times. Sample "MW0056061180517RAP" required re-extraction for 6:2 FTS; the re-extraction was performed outside of the hold time.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with each preparation batch. No analytes were detected in the Method Blanks above 1/2 the LOQ except 6:2 FTS. The recovery of PFDS was > 130% in the original OPR. This analyte was not detected in the samples. The recoveries of all other analytes were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1801010-05	MW0056061180517RAP	PFAS Isotope Dilution Method	13C2-PFUnA	H	59.0
B8E0210-BS1	B8E0210-BS1	PFAS Isotope Dilution Method	13C2-PFDA	H	58.7

H = Recovery was outside laboratory acceptance criteria.

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Initial Calibration.....	271

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1801010-01	GSUMW0050510180516GSC	16-May-18 16:55	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-02	MW0081819180517GSC	17-May-18 11:00	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-03	MW0083738180517RAP	17-May-18 11:45	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-04	MW0052021180517MK	17-May-18 15:10	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-05	MW0056061180517RAP	17-May-18 15:30	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-06	MW0071920180517RAP	17-May-18 16:45	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-07	MW0074849180517GSC	17-May-18 18:35	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-08	MW0065051180517RAP	17-May-18 20:05	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-09	MW0060510180517GSC	17-May-18 20:10	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-10	MW0010308180518GSC	18-May-18 08:45	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-11	MW0030207180518GSC	18-May-18 10:05	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-12	MW0034647180518RAP	18-May-18 10:40	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-13	GSUMW0031116180518GSC	18-May-18 12:15	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-14	MW0093233180518RAP	18-May-18 13:30	22-May-18 09:08	HDPE Bottle, 250 mL
1801010-15	MW0091516180518MK	18-May-18 13:55	22-May-18 09:08	HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank
PFAS Isotope Dilution Method

Client Data					Laboratory Data					
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	B8E0210-BLK1	Column:	BEH C18			
Project:	Wurtsmith AFB									

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.365	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFPeA	ND	0.640	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFBS	ND	0.895	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFHxA	ND	1.09	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFHpA	ND	0.296	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFHxS	ND	0.474	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
Br-PFHxS	ND	0.474	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
Total PFHxS	ND	0.474	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-6:2 FTS	8.45	1.00	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFOA	ND	0.580	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
Br-PFOA	ND	0.580	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
Total PFOA	ND	0.580	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFHpS	ND	0.469	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFNA	ND	0.405	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFOS	ND	0.404	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
Br-PFOS	ND	0.404	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
Total PFOS	ND	0.404	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFDA	ND	0.745	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-8:2FTS	ND	1.03	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-MeFOSAA	ND	0.825	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-EtFOSAA	ND	0.685	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFOSA	ND	0.885	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFUnA	ND	0.525	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFDS	ND	0.615	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFDoA	ND	0.396	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFTrDA	ND	0.247	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFTeDA	ND	0.378	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-4:2 FTS	ND	1.37	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFPeS	ND	1.37	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
L-PFNS	ND	1.37	2.50	4.00		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.1	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C3-PFPeA	IS	90.0	60 - 150		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C3-PFBS	IS	110	60 - 150		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C2-PFHxA	IS	90.7	70 - 130		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C4-PFHpA	IS	96.5	60 - 150		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
18O2-PFHxS	IS	101	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C2-PFOA	IS	83.9	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1

Sample ID: Method Blank **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	B8E0210-BLK1	Column:	BEH C18
Project:	Wurtsmith AFB						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	92.6	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C5-PFNA	IS	76.1	50 - 130		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C2-PFDA	IS	72.2	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C8-PFOSA	IS	38.8	20 - 150		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
d3-MeFOSAA	IS	69.1	50 - 150		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C2-PFUnA	IS	67.5	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
d5-EtFOSAA	IS	74.9	50 - 150		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C2-PFDoA	IS	57.7	30 - 130		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1
13C2-PFTeDA	IS	77.4	20 - 150		B8E0210	26-May-18	0.250 L	29-May-18 08:37	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	B8E0210-BS1	Column:	BEH C18
Project:	Wurtsmith AFB						

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	42.5	40.0	106	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFPeA	40.1	40.0	100	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFBS	48.5	40.0	121	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFHxA	44.9	40.0	112	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFHpA	45.4	40.0	114	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
Total PFHxS	51.5	40.0	129	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-6:2 FTS	51.8	40.0	130	60-130	B	B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
Total PFOA	44.9	40.0	112	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFHpS	43.1	40.0	108	60-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFNA	45.5	40.0	114	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
Total PFOS	47.6	40.0	119	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFDA	49.8	40.0	124	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-8:2FTS	40.9	40.0	102	60-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-MeFOSAA	46.5	40.0	116	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-EtFOSAA	42.7	40.0	107	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFOSA	40.3	40.0	101	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFUnA	49.4	40.0	123	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFDS	79.7	40.0	199	60-130	H	B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFDoA	44.7	40.0	112	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFTrDA	42.3	40.0	106	60-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFTeDA	40.8	40.0	102	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-4:2 FTS	41.9	40.0	105	60-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFPeS	44.0	40.0	110	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
L-PFNS	42.3	40.0	106	70-130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.3	60- 130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C3-PFPeA	IS	84.3	60- 150		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C3-PFBS	IS	97.5	60- 150		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C2-PFHxA	IS	94.9	70- 130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C4-PFHpA	IS	87.1	60- 150		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
18O2-PFHxS	IS	88.5	60- 130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C2-PFOA	IS	93.6	60- 130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C8-PFOS	IS	102	60- 130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C5-PFNA	IS	73.2	50- 130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C2-PFDA	IS	58.7	60- 130	H	B8E0210	26-May-18	0.250 L	29-May-18 08:27	1

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data

Name: Merit Laboratories, Inc.
Project: Wurtsmith AFB

Matrix: Aqueous

Laboratory Data

Lab Sample: B8E0210-BS1 Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOSA	IS	40.3	20- 150		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
d3-MeFOSAA	IS	68.3	50- 150		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C2-PFUnA	IS	60.7	60- 130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
d5-EtFOSAA	IS	69.7	50- 150		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C2-PFDoA	IS	76.2	30- 130		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1
13C2-PFTeDA	IS	73.0	20- 150		B8E0210	26-May-18	0.250 L	29-May-18 08:27	1

Sample ID: Method Blank	PFAS Isotope Dilution Method
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Client Data	Laboratory Data
Name: Merit Laboratories, Inc. Matrix: Aqueous	Lab Sample: B8F0002-BLK1 Column: BEH C18
Project: Wurtsmith AFB	

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-6:2 FTS	ND	1.00	2.50	4.00		B8F0002	01-Jun-18	0.250 L	03-Jun-18 20:37	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFUnA	IS	81.5	60 - 130		B8F0002	01-Jun-18	0.250 L	03-Jun-18 20:37	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: OPR					PFAS Isotope Dilution Method						
Client Data				Laboratory Data							
Name:	Merit Laboratories, Inc.		Matrix:	Aqueous		Lab Sample:	B8F0002-BS1		Column:	BEH C18	
Project:	Wurtsmith AFB										
Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-6:2 FTS	38.8	40.0	96.9	60-130		B8F0002	01-Jun-18	0.250 L	03-Jun-18 20:27	1	
Labeled Standards	Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C2-PFUnA	IS		64.3	60- 130		B8F0002	01-Jun-18	0.250 L	03-Jun-18 20:27	1	

Sample ID: GSUMW0050510180516GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-01	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 16:55	Date Received:	22-May-18 09:08		
Location:	RI-GSU-MW-05 (5-10)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	15.9	0.362	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFPeA	3.30	0.636	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFBS	7.16	0.889	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFHxA	ND	1.08	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFHpA	ND	0.293	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFHxS	4.05	0.470	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
Br-PFHxS	1.18	0.470	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
Total PFHxS	5.24	0.470	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-6:2 FTS	ND	0.993	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFOA	3.56	0.576	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
Br-PFOA	ND	0.576	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
Total PFOA	3.58	0.576	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFHpS	ND	0.465	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFNA	ND	0.402	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFOS	0.591	0.401	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
Br-PFOS	2.67	0.401	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
Total PFOS	3.26	0.401	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFDA	ND	0.740	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-8:2FTS	ND	1.02	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-MeFOSAA	ND	0.819	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-EtFOSAA	ND	0.680	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFOSA	ND	0.879	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFUnA	ND	0.521	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFDS	ND	0.611	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFDoA	ND	0.393	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFTrDA	ND	0.245	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFTeDA	ND	0.375	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-4:2 FTS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFPeS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
L-PFNS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	90.4	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C3-PFPeA	IS	86.1	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C3-PFBS	IS	105	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C2-PFHxA	IS	90.5	70 - 130		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C4-PFHpA	IS	88.9	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
18O2-PFHxS	IS	92.5	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C2-PFOA	IS	85.5	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1

Sample ID: GSUMW0050510180516GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-01	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 16:55	Date Received:	22-May-18 09:08		
Location:	RI-GSU-MW-05 (5-10)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	89.3	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C5-PFNA	IS	80.8	50 - 130		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C2-PFDA	IS	80.1	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C8-PFOA	IS	62.7	20 - 150		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
d3-MeFOSAA	IS	67.8	50 - 150		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C2-PFUnA	IS	79.8	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
d5-EtFOSAA	IS	79.7	50 - 150		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C2-PFDoA	IS	79.1	30 - 130		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1
13C2-PFTeDA	IS	69.8	20 - 150		B8E0210	26-May-18	0.252 L	29-May-18 08:48	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: MW0081819180517GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-02	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 11:00	Date Received:	22-May-18 09:08		
Location:	RI-MW-008 (18-19)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	1.07	0.357	2.45	3.92	J	B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFPeA	1.54	0.627	2.45	3.92	J	B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFBS	ND	0.877	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFHxA	ND	1.07	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFHpA	0.832	0.290	2.45	3.92	J	B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFHxS	3.59	0.464	2.45	3.92	J	B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
Br-PFHxS	0.622	0.464	2.45	3.92	J	B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
Total PFHxS	4.21	0.464	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-6:2 FTS	ND	0.980	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFOA	4.28	0.569	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
Br-PFOA	ND	0.569	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
Total PFOA	4.40	0.569	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFHpS	ND	0.459	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFNA	ND	0.397	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFOS	0.977	0.396	2.45	3.92	J	B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
Br-PFOS	ND	0.396	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
Total PFOS	1.13	0.396	2.45	3.92	J	B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFDA	ND	0.730	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-8:2FTS	ND	1.01	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-MeFOSAA	ND	0.809	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-EtFOSAA	ND	0.672	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFOSA	ND	0.868	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFUnA	ND	0.515	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFDS	ND	0.603	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFDoA	ND	0.388	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFTrDA	ND	0.242	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFTeDA	ND	0.370	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-4:2 FTS	ND	1.34	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFPeS	ND	1.34	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
L-PFNS	ND	1.34	2.45	3.92		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.9	60 - 130		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C3-PFPeA	IS	93.9	60 - 150		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C3-PFBS	IS	114	60 - 150		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C2-PFHxA	IS	87.5	70 - 130		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C4-PFHpA	IS	106	60 - 150		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
18O2-PFHxS	IS	93.6	60 - 130		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C2-PFOA	IS	90.0	60 - 130		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1

Sample ID: MW0081819180517GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-02	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 11:00	Date Received:	22-May-18 09:08		
Location:	RI-MW-008 (18-19)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	91.4	60 - 130		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C5-PFNA	IS	93.1	50 - 130		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C2-PFDA	IS	78.7	60 - 130		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C8-PFOA	IS	63.0	20 - 150		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
d3-MeFOSAA	IS	78.7	50 - 150		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C2-PFUnA	IS	83.3	60 - 130		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
d5-EtFOSAA	IS	81.9	50 - 150		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C2-PFDoA	IS	85.8	30 - 130		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1
13C2-PFTeDA	IS	93.4	20 - 150		B8E0210	26-May-18	0.255 L	29-May-18 08:58	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: MW0083738180517RAP

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-03	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 11:45	Date Received:	22-May-18 09:08		
Location:	RI-MW-008 (37-38)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	3.41	0.368	2.52	4.03	J	B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFPeA	1.79	0.645	2.52	4.03	J	B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFBS	1.46	0.903	2.52	4.03	J	B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFHxA	ND	1.10	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFHpA	0.829	0.298	2.52	4.03	J	B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFHxS	2.21	0.478	2.52	4.03	J	B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
Br-PFHxS	ND	0.478	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
Total PFHxS	2.21	0.478	2.52	4.03	J	B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-6:2 FTS	ND	1.01	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFOA	ND	0.585	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
Br-PFOA	0.654	0.585	2.52	4.03	J	B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
Total PFOA	0.654	0.585	2.52	4.03	J	B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFHpS	ND	0.473	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFNA	ND	0.408	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFOS	ND	0.407	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
Br-PFOS	ND	0.407	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
Total PFOS	ND	0.407	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFDA	ND	0.751	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-8:2FTS	ND	1.04	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-MeFOSAA	ND	0.832	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-EtFOSAA	ND	0.691	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFOSA	ND	0.893	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFUnA	ND	0.529	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFDS	ND	0.620	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFDoA	ND	0.399	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFTrDA	ND	0.249	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFTeDA	ND	0.381	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-4:2 FTS	ND	1.38	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFPeS	1.58	1.38	2.52	4.03	J	B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
L-PFNS	ND	1.38	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.5	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C3-PFPeA	IS	81.3	60 - 150		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C3-PFBS	IS	132	60 - 150		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C2-PFHxA	IS	96.3	70 - 130		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C4-PFHpA	IS	99.4	60 - 150		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
18O2-PFHxS	IS	91.1	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C2-PFOA	IS	84.3	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1

Sample ID: MW0083738180517RAP **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-03	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 11:45	Date Received:	22-May-18 09:08		
Location:	RI-MW-008 (37-38)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	92.9	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C5-PFNA	IS	102	50 - 130		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C2-PFDA	IS	75.4	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C8-PFOSA	IS	45.4	20 - 150		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
d3-MeFOSAA	IS	83.7	50 - 150		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C2-PFUnA	IS	68.9	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
d5-EtFOSAA	IS	89.3	50 - 150		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C2-PFDoA	IS	82.1	30 - 130		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1
13C2-PFTeDA	IS	82.7	20 - 150		B8E0210	26-May-18	0.248 L	29-May-18 09:09	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

Sample ID: MW0052021180517MK

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-04	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 15:10	Date Received:	22-May-18 09:08		
Location:	RI-MW-005 (20-21)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	0.538	0.374	2.57	4.11	J	B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFPeA	ND	0.657	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFBS	ND	0.919	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFHxA	ND	1.12	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFHpA	ND	0.303	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFHxS	ND	0.486	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
Br-PFHxS	ND	0.486	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
Total PFHxS	ND	0.486	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-6:2 FTS	ND	1.03	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFOA	ND	0.596	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
Br-PFOA	ND	0.596	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
Total PFOA	ND	0.596	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFHpS	ND	0.481	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFNA	ND	0.416	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFOS	ND	0.414	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
Br-PFOS	ND	0.414	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
Total PFOS	ND	0.414	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFDA	ND	0.765	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-8:2FTS	ND	1.06	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-MeFOSAA	ND	0.847	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-EtFOSAA	ND	0.703	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFOSA	ND	0.909	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFUnA	ND	0.539	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFDS	ND	0.631	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFDoA	ND	0.407	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFTrDA	ND	0.254	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFTeDA	ND	0.388	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-4:2 FTS	ND	1.41	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFPeS	ND	1.41	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
L-PFNS	ND	1.41	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.4	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C3-PFPeA	IS	86.2	60 - 150		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C3-PFBS	IS	94.9	60 - 150		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C2-PFHxA	IS	92.4	70 - 130		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C4-PFHpA	IS	94.5	60 - 150		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
18O2-PFHxS	IS	94.7	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C2-PFOA	IS	84.9	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1

Sample ID: MW0052021180517MK **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-04	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 15:10	Date Received:	22-May-18 09:08		
Location:	RI-MW-005 (20-21)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	82.7	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C5-PFNA	IS	82.3	50 - 130		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C2-PFDA	IS	66.5	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C8-PFOSA	IS	36.3	20 - 150		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
d3-MeFOSAA	IS	56.7	50 - 150		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C2-PFUnA	IS	61.1	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
d5-EtFOSAA	IS	62.3	50 - 150		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C2-PFDoA	IS	39.6	30 - 130		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1
13C2-PFTeDA	IS	39.4	20 - 150		B8E0210	26-May-18	0.243 L	29-May-18 09:19	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: MW0056061180517RAP

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-05	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 15:30	Date Received:	22-May-18 09:08		
Location:	RI-MW-005 (60-61)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.374	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFPeA	ND	0.656	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFBS	ND	0.917	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFHxA	ND	1.12	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFHpA	ND	0.303	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFHxS	ND	0.485	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
Br-PFHxS	ND	0.485	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
Total PFHxS	ND	0.485	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-6:2 FTS	11.6	1.08	2.68	4.30		B8F0002	01-Jun-18	0.233 L	03-Jun-18 21:29	1
L-PFOA	ND	0.594	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
Br-PFOA	ND	0.594	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
Total PFOA	ND	0.594	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFHpS	ND	0.480	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFNA	ND	0.415	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFOS	ND	0.414	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
Br-PFOS	ND	0.414	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
Total PFOS	ND	0.414	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFDA	ND	0.764	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-8:2FTS	ND	1.06	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-MeFOSAA	ND	0.846	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-EtFOSAA	ND	0.702	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFOSA	ND	0.907	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFUnA	ND	0.538	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFDS	ND	0.630	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFDoA	ND	0.406	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFTrDA	ND	0.253	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFTeDA	ND	0.387	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-4:2 FTS	ND	1.40	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFPeS	ND	1.40	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
L-PFNS	ND	1.40	2.56	4.10		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	85.7	60 - 130		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C3-PFPeA	IS	75.4	60 - 150		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C3-PFBS	IS	82.1	60 - 150		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C2-PFHxA	IS	89.2	70 - 130		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C4-PFHpA	IS	74.0	60 - 150		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
18O2-PFHxS	IS	76.3	60 - 130		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C2-PFOA	IS	83.1	60 - 130		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1

Sample ID: MW0056061180517RAP **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-05	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 15:30	Date Received:	22-May-18 09:08		
Location:	RI-MW-005 (60-61)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	83.5	60 - 130		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C5-PFNA	IS	77.1	50 - 130		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C2-PFDA	IS	81.7	60 - 130		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C8-PFOSA	IS	55.4	20 - 150		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
d3-MeFOSAA	IS	67.5	50 - 150		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C2-PFUnA	IS	59.0	60 - 130	H	B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
d5-EtFOSAA	IS	73.8	50 - 150		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C2-PFDoA	IS	73.5	30 - 130		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1
13C2-PFTeDA	IS	74.2	20 - 150		B8E0210	26-May-18	0.244 L	29-May-18 09:30	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: MW0071920180517RAP

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-06	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 16:45	Date Received:	22-May-18 09:08		
Location:	RI-MW-007 (19-20)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.362	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFPeA	ND	0.635	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFBS	ND	0.888	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFHxA	ND	1.08	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFHpA	ND	0.293	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFHxS	ND	0.470	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
Br-PFHxS	ND	0.470	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
Total PFHxS	ND	0.470	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-6:2 FTS	ND	0.992	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFOA	ND	0.576	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
Br-PFOA	ND	0.576	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
Total PFOA	ND	0.576	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFHpS	ND	0.465	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFNA	ND	0.402	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFOS	ND	0.400	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
Br-PFOS	ND	0.400	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
Total PFOS	ND	0.400	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFDA	ND	0.739	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-8:2FTS	ND	1.02	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-MeFOSAA	ND	0.819	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-EtFOSAA	ND	0.680	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFOSA	ND	0.878	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFUnA	ND	0.521	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFDS	ND	0.610	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFDoA	ND	0.393	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFTrDA	ND	0.245	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFTeDA	ND	0.375	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-4:2 FTS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFPeS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
L-PFNS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.0	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C3-PFPeA	IS	89.4	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C3-PFBS	IS	106	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C2-PFHxA	IS	97.0	70 - 130		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C4-PFHpA	IS	98.0	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
18O2-PFHxS	IS	91.0	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C2-PFOA	IS	86.6	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1

Sample ID: MW0071920180517RAP **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-06	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 16:45	Date Received:	22-May-18 09:08		
Location:	RI-MW-007 (19-20)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	99.0	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C5-PFNA	IS	90.0	50 - 130		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C2-PFDA	IS	80.9	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C8-PFOA	IS	51.9	20 - 150		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
d3-MeFOSAA	IS	75.3	50 - 150		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C2-PFUnA	IS	67.0	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
d5-EtFOSAA	IS	73.3	50 - 150		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C2-PFDoA	IS	75.4	30 - 130		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1
13C2-PFTeDA	IS	73.5	20 - 150		B8E0210	26-May-18	0.252 L	29-May-18 09:40	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: MW0074849180517GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-07	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 18:35	Date Received:	22-May-18 09:08		
Location:	RI-MW-007 (48-19)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	1.14	0.367	2.52	4.03	J	B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFPeA	ND	0.645	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFBS	ND	0.902	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFHxA	ND	1.10	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFHpA	ND	0.298	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFHxS	ND	0.477	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
Br-PFHxS	ND	0.477	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
Total PFHxS	ND	0.477	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-6:2 FTS	ND	1.01	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFOA	ND	0.585	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
Br-PFOA	ND	0.585	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
Total PFOA	ND	0.585	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFHpS	ND	0.472	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFNA	ND	0.408	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFOS	ND	0.407	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
Br-PFOS	ND	0.407	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
Total PFOS	ND	0.407	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFDA	ND	0.751	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-8:2FTS	ND	1.04	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-MeFOSAA	ND	0.832	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-EtFOSAA	ND	0.690	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFOSA	ND	0.892	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFUnA	ND	0.529	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFDS	ND	0.620	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFDoA	ND	0.399	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFTrDA	ND	0.249	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFTeDA	ND	0.381	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-4:2 FTS	ND	1.38	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFPeS	ND	1.38	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
L-PFNS	ND	1.38	2.52	4.03		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	92.6	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C3-PFPeA	IS	82.5	60 - 150		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C3-PFBS	IS	93.7	60 - 150		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C2-PFHxA	IS	90.8	70 - 130		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C4-PFHpA	IS	90.5	60 - 150		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
18O2-PFHxS	IS	91.8	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C2-PFOA	IS	93.0	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1

Sample ID: MW0074849180517GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-07	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 18:35	Date Received:	22-May-18 09:08		
Location:	RI-MW-007 (48-19)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	90.2	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C5-PFNA	IS	91.9	50 - 130		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C2-PFDA	IS	78.1	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C8-PFOSA	IS	58.5	20 - 150		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
d3-MeFOSAA	IS	72.8	50 - 150		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C2-PFUnA	IS	85.0	60 - 130		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
d5-EtFOSAA	IS	71.2	50 - 150		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C2-PFDoA	IS	77.2	30 - 130		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1
13C2-PFTeDA	IS	81.7	20 - 150		B8E0210	26-May-18	0.248 L	29-May-18 10:22	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

Sample ID: MW0065051180517RAP

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-08	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 20:05	Date Received:	22-May-18 09:08		
Location:	RI-MW-006 (50-51)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.372	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFPeA	ND	0.653	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFBS	ND	0.913	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFHxA	ND	1.11	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFHpA	ND	0.301	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFHxS	ND	0.483	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
Br-PFHxS	ND	0.483	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
Total PFHxS	ND	0.483	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-6:2 FTS	ND	1.02	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFOA	ND	0.591	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
Br-PFOA	ND	0.591	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
Total PFOA	ND	0.591	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFHpS	ND	0.478	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFNA	ND	0.413	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFOS	ND	0.411	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
Br-PFOS	ND	0.411	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
Total PFOS	ND	0.411	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFDA	ND	0.760	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-8:2FTS	ND	1.05	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-MeFOSAA	ND	0.841	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-EtFOSAA	ND	0.699	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFOSA	ND	0.902	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFUnA	ND	0.535	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFDS	ND	0.627	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFDoA	ND	0.404	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFTrDA	ND	0.252	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFTeDA	ND	0.385	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-4:2 FTS	ND	1.40	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFPeS	ND	1.40	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
L-PFNS	ND	1.40	2.55	4.08		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	90.0	60 - 130		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C3-PFPeA	IS	82.5	60 - 150		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C3-PFBS	IS	96.5	60 - 150		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C2-PFHxA	IS	82.1	70 - 130		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C4-PFHpA	IS	92.4	60 - 150		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
18O2-PFHxS	IS	87.8	60 - 130		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C2-PFOA	IS	91.3	60 - 130		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1

Sample ID: MW0065051180517RAP **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-08	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 20:05	Date Received:	22-May-18 09:08		
Location:	RI-MW-006 (50-51)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	87.4	60 - 130		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C5-PFNA	IS	86.9	50 - 130		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C2-PFDA	IS	67.6	60 - 130		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C8-PFOSA	IS	65.4	20 - 150		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
d3-MeFOSAA	IS	65.8	50 - 150		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C2-PFUnA	IS	84.4	60 - 130		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
d5-EtFOSAA	IS	79.8	50 - 150		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C2-PFDoA	IS	65.6	30 - 130		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1
13C2-PFTeDA	IS	80.4	20 - 150		B8E0210	26-May-18	0.245 L	29-May-18 10:32	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: MW0060510180517GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-09	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 20:10	Date Received:	22-May-18 09:08		
Location:	RI-MW-006 (5-10)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.375	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFPeA	ND	0.658	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFBS	ND	0.921	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFHxA	ND	1.12	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFHpA	ND	0.304	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFHxS	ND	0.487	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
Br-PFHxS	ND	0.487	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
Total PFHxS	ND	0.487	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-6:2 FTS	ND	1.03	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFOA	ND	0.597	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
Br-PFOA	ND	0.597	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
Total PFOA	ND	0.597	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFHpS	ND	0.482	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFNA	ND	0.417	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFOS	ND	0.415	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
Br-PFOS	ND	0.415	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
Total PFOS	ND	0.415	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFDA	ND	0.766	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-8:2FTS	ND	1.06	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-MeFOSAA	ND	0.849	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-EtFOSAA	ND	0.705	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFOSA	ND	0.910	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFUnA	ND	0.540	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFDS	ND	0.633	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFDoA	ND	0.407	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFTrDA	ND	0.254	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFTeDA	ND	0.388	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-4:2 FTS	ND	1.41	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFPeS	ND	1.41	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
L-PFNS	ND	1.41	2.57	4.11		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.4	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C3-PFPeA	IS	88.8	60 - 150		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C3-PFBS	IS	104	60 - 150		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C2-PFHxA	IS	82.8	70 - 130		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C4-PFHpA	IS	102	60 - 150		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
18O2-PFHxS	IS	96.1	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C2-PFOA	IS	86.2	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1

Sample ID: MW0060510180517GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-09	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	17-May-18 20:10	Date Received:	22-May-18 09:08		
Location:	RI-MW-006 (5-10)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	83.5	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C5-PFNA	IS	78.2	50 - 130		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C2-PFDA	IS	76.6	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C8-PFOSA	IS	61.0	20 - 150		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
d3-MeFOSAA	IS	68.3	50 - 150		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C2-PFUnA	IS	60.7	60 - 130		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
d5-EtFOSAA	IS	57.4	50 - 150		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C2-PFDoA	IS	83.2	30 - 130		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1
13C2-PFTeDA	IS	92.4	20 - 150		B8E0210	26-May-18	0.243 L	29-May-18 10:43	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: MW0010308180518GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-10	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 08:45	Date Received:	22-May-18 09:08		
Location:	RI-MW-001 (3-8)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	2.96	0.364	2.50	3.99	J	B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFPeA	ND	0.639	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFBS	19.7	0.894	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFHxA	1.22	1.09	2.50	3.99	J	B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFHpA	ND	0.295	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFHxS	1.09	0.473	2.50	3.99	J	B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
Br-PFHxS	ND	0.473	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
Total PFHxS	1.09	0.473	2.50	3.99	J	B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-6:2 FTS	ND	0.999	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFOA	2.39	0.579	2.50	3.99	J	B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
Br-PFOA	ND	0.579	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
Total PFOA	2.39	0.579	2.50	3.99	J	B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFHpS	ND	0.468	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFNA	ND	0.404	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFOS	0.801	0.403	2.50	3.99	J	B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
Br-PFOS	1.52	0.403	2.50	3.99	J	B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
Total PFOS	2.33	0.403	2.50	3.99	J	B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFDA	ND	0.744	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-8:2FTS	ND	1.03	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-MeFOSAA	ND	0.824	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-EtFOSAA	ND	0.684	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFOSA	ND	0.884	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFUnA	ND	0.524	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFDS	ND	0.614	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFDoA	ND	0.395	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFTrDA	ND	0.247	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFTeDA	ND	0.377	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-4:2 FTS	ND	1.37	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFPeS	ND	1.37	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
L-PFNS	ND	1.37	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.7	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C3-PFPeA	IS	82.9	60 - 150		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C3-PFBS	IS	102	60 - 150		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C2-PFHxA	IS	94.8	70 - 130		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C4-PFHpA	IS	91.1	60 - 150		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
18O2-PFHxS	IS	92.3	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C2-PFOA	IS	89.8	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1

Sample ID: MW0010308180518GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-10	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 08:45	Date Received:	22-May-18 09:08		
Location:	RI-MW-001 (3-8)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	93.1	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C5-PFNA	IS	81.7	50 - 130		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C2-PFDA	IS	76.4	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C8-PFOSA	IS	69.1	20 - 150		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
d3-MeFOSAA	IS	77.4	50 - 150		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C2-PFUnA	IS	90.9	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
d5-EtFOSAA	IS	84.3	50 - 150		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C2-PFDoA	IS	95.3	30 - 130		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1
13C2-PFTeDA	IS	102	20 - 150		B8E0210	26-May-18	0.250 L	29-May-18 10:53	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: MW0030207180518GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-11	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 10:05	Date Received:	22-May-18 09:08		
Location:	RI-MW-003 (2-7)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	5.41	0.369	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFPeA	8.77	0.647	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFBS	2.40	0.905	2.53	4.04	J	B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFHxA	9.82	1.10	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFHpA	2.50	0.299	2.53	4.04	J	B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFHxS	3.47	0.479	2.53	4.04	J	B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
Br-PFHxS	ND	0.479	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
Total PFHxS	3.89	0.479	2.53	4.04	J	B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-6:2 FTS	ND	1.01	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFOA	8.19	0.586	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
Br-PFOA	ND	0.586	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
Total PFOA	8.38	0.586	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFHpS	ND	0.474	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFNA	0.675	0.410	2.53	4.04	J	B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFOS	0.628	0.408	2.53	4.04	J	B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
Br-PFOS	2.78	0.408	2.53	4.04	J	B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
Total PFOS	3.41	0.408	2.53	4.04	J	B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFDA	ND	0.753	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-8:2FTS	ND	1.04	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-MeFOSAA	ND	0.834	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-EtFOSAA	ND	0.693	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFOSA	ND	0.895	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFUnA	ND	0.531	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFDS	ND	0.622	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFDoA	ND	0.400	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFTrDA	ND	0.250	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFTeDA	ND	0.382	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-4:2 FTS	ND	1.39	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFPeS	ND	1.39	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
L-PFNS	ND	1.39	2.53	4.04		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.0	60 - 130		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C3-PFPeA	IS	82.1	60 - 150		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C3-PFBS	IS	93.6	60 - 150		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C2-PFHxA	IS	87.3	70 - 130		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C4-PFHpA	IS	87.0	60 - 150		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
18O2-PFHxS	IS	78.8	60 - 130		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C2-PFOA	IS	78.0	60 - 130		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1

Sample ID: MW0030207180518GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-11	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 10:05	Date Received:	22-May-18 09:08		
Location:	RI-MW-003 (2-7)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	83.6	60 - 130		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C5-PFNA	IS	82.1	50 - 130		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C2-PFDA	IS	80.5	60 - 130		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C8-PFOSA	IS	63.4	20 - 150		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
d3-MeFOSAA	IS	70.1	50 - 150		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C2-PFUnA	IS	64.5	60 - 130		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
d5-EtFOSAA	IS	73.5	50 - 150		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C2-PFDoA	IS	76.8	30 - 130		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1
13C2-PFTeDA	IS	87.3	20 - 150		B8E0210	26-May-18	0.247 L	29-May-18 11:04	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

Sample ID: MW0034647180518RAP

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-12	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 10:40	Date Received:	22-May-18 09:08		
Location:	RI-MW-003 (46-47)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	0.930	0.364	2.50	3.99	J	B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFPeA	ND	0.639	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFBS	ND	0.893	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFHxA	ND	1.09	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFHpA	ND	0.295	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFHxS	ND	0.473	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
Br-PFHxS	ND	0.473	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
Total PFHxS	ND	0.473	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-6:2 FTS	ND	0.998	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFOA	ND	0.579	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
Br-PFOA	ND	0.579	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
Total PFOA	ND	0.579	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFHpS	ND	0.468	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFNA	ND	0.404	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFOS	ND	0.403	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
Br-PFOS	ND	0.403	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
Total PFOS	ND	0.403	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFDA	ND	0.744	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-8:2FTS	ND	1.03	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-MeFOSAA	ND	0.824	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-EtFOSAA	ND	0.684	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFOSA	ND	0.883	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFUnA	ND	0.524	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFDS	ND	0.614	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFDoA	ND	0.395	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFTrDA	ND	0.247	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFTeDA	ND	0.377	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-4:2 FTS	ND	1.37	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFPeS	ND	1.37	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
L-PFNS	ND	1.37	2.50	3.99		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.7	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C3-PFPeA	IS	85.3	60 - 150		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C3-PFBS	IS	87.9	60 - 150		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C2-PFHxA	IS	87.2	70 - 130		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C4-PFHpA	IS	92.7	60 - 150		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
18O2-PFHxS	IS	86.1	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C2-PFOA	IS	84.3	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1

Sample ID: MW0034647180518RAP **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-12	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 10:40	Date Received:	22-May-18 09:08		
Location:	RI-MW-003 (46-47)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	89.0	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C5-PFNA	IS	85.9	50 - 130		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C2-PFDA	IS	78.4	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C8-PFOSA	IS	60.6	20 - 150		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
d3-MeFOSAA	IS	69.3	50 - 150		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C2-PFUnA	IS	82.1	60 - 130		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
d5-EtFOSAA	IS	69.4	50 - 150		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C2-PFDoA	IS	69.3	30 - 130		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1
13C2-PFTeDA	IS	77.4	20 - 150		B8E0210	26-May-18	0.250 L	29-May-18 11:14	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: GSUMW0031116180518GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-13	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 12:15	Date Received:	22-May-18 09:08		
Location:	RI-GSU-MW-003 (11-16)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	1.28	0.362	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFPeA	2.67	0.636	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFBS	1.10	0.889	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFHxA	3.93	1.08	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFHpA	0.702	0.294	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFHxS	2.38	0.470	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
Br-PFHxS	ND	0.470	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
Total PFHxS	2.38	0.470	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-6:2 FTS	ND	0.993	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFOA	3.07	0.576	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
Br-PFOA	ND	0.576	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
Total PFOA	3.07	0.576	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFHpS	ND	0.465	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFNA	ND	0.402	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFOS	0.443	0.401	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
Br-PFOS	ND	0.401	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
Total PFOS	0.601	0.401	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFDA	ND	0.740	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-8:2FTS	ND	1.02	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-MeFOSAA	ND	0.820	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-EtFOSAA	ND	0.681	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFOSA	ND	0.879	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFUnA	ND	0.522	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFDS	ND	0.611	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFDoA	ND	0.393	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFTrDA	ND	0.245	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFTeDA	ND	0.375	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-4:2 FTS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFPeS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
L-PFNS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.7	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C3-PFPeA	IS	94.1	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C3-PFBS	IS	117	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C2-PFHxA	IS	95.3	70 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C4-PFHpA	IS	107	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
18O2-PFHxS	IS	90.0	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C2-PFOA	IS	99.9	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1

Sample ID: GSUMW0031116180518GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-13	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 12:15	Date Received:	22-May-18 09:08		
Location:	RI-GSU-MW-003 (11-16)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	88.6	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C5-PFNA	IS	82.9	50 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C2-PFDA	IS	75.1	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C8-PFOA	IS	45.4	20 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
d3-MeFOSAA	IS	72.0	50 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C2-PFUnA	IS	77.2	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
d5-EtFOSAA	IS	80.8	50 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C2-PFDoA	IS	78.8	30 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1
13C2-PFTeDA	IS	81.7	20 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:25	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: MW0093233180518RAP

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-14	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 13:30	Date Received:	22-May-18 09:08		
Location:	RI-MW-009 (32-33)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	3.85	0.362	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFPeA	4.05	0.636	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFBS	4.24	0.889	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFHxA	4.99	1.08	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFHpA	1.27	0.293	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFHxS	7.37	0.470	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
Br-PFHxS	1.76	0.470	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
Total PFHxS	9.14	0.470	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-6:2 FTS	ND	0.993	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFOA	2.70	0.576	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
Br-PFOA	ND	0.576	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
Total PFOA	3.13	0.576	2.48	3.97	J	B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFHpS	ND	0.465	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFNA	ND	0.402	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFOS	ND	0.401	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
Br-PFOS	ND	0.401	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
Total PFOS	ND	0.401	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFDA	ND	0.740	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-8:2FTS	ND	1.02	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-MeFOSAA	ND	0.819	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-EtFOSAA	ND	0.680	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFOSA	ND	0.879	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFUnA	ND	0.521	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFDS	ND	0.611	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFDoA	ND	0.393	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFTrDA	ND	0.245	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFTeDA	ND	0.375	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-4:2 FTS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFPeS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
L-PFNS	ND	1.36	2.48	3.97		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.2	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C3-PFPeA	IS	84.2	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C3-PFBS	IS	102	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C2-PFHxA	IS	91.7	70 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C4-PFHpA	IS	96.5	60 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
18O2-PFHxS	IS	89.5	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C2-PFOA	IS	92.0	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1

Sample ID: MW0093233180518RAP **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-14	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 13:30	Date Received:	22-May-18 09:08		
Location:	RI-MW-009 (32-33)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	91.6	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C5-PFNA	IS	80.7	50 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C2-PFDA	IS	71.8	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C8-PFOSA	IS	50.2	20 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
d3-MeFOSAA	IS	64.3	50 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C2-PFUnA	IS	63.6	60 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
d5-EtFOSAA	IS	65.0	50 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C2-PFDoA	IS	79.8	30 - 130		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1
13C2-PFTeDA	IS	77.0	20 - 150		B8E0210	26-May-18	0.252 L	29-May-18 11:35	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: MW0091516180518MK

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-15	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 13:55	Date Received:	22-May-18 09:08		
Location:	RI-MW-009 (15-16)						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	3.02	0.360	2.47	3.95	J	B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFPeA	ND	0.631	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFBS	11.1	0.883	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFHxA	ND	1.08	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFHpA	ND	0.292	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFHxS	0.941	0.467	2.47	3.95	J	B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
Br-PFHxS	ND	0.467	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
Total PFHxS	0.941	0.467	2.47	3.95	J	B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-6:2 FTS	ND	0.987	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFOA	ND	0.572	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
Br-PFOA	ND	0.572	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
Total PFOA	ND	0.572	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFHpS	ND	0.462	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFNA	ND	0.400	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFOS	ND	0.398	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
Br-PFOS	ND	0.398	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
Total PFOS	ND	0.398	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFDA	ND	0.735	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-8:2FTS	ND	1.02	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-MeFOSAA	ND	0.814	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-EtFOSAA	ND	0.676	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFOSA	ND	0.873	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFUnA	ND	0.518	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFDS	ND	0.607	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFDoA	ND	0.391	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFTrDA	ND	0.244	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFTeDA	ND	0.372	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-4:2 FTS	ND	1.35	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFPeS	ND	1.35	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
L-PFNS	ND	1.35	2.47	3.95		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	92.7	60 - 130		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C3-PFPeA	IS	90.8	60 - 150		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C3-PFBS	IS	122	60 - 150		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C2-PFHxA	IS	94.2	70 - 130		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C4-PFHpA	IS	102	60 - 150		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
18O2-PFHxS	IS	93.2	60 - 130		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C2-PFOA	IS	83.6	60 - 130		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1

Sample ID: MW0091516180518MK **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801010-15	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	18-May-18 13:55	Date Received:	22-May-18 09:08		
Location:	RI-MW-009 (15-16)						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	80.9	60 - 130		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C5-PFNA	IS	80.6	50 - 130		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C2-PFDA	IS	74.7	60 - 130		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C8-PFOSA	IS	44.0	20 - 150		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
d3-MeFOSAA	IS	75.6	50 - 150		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C2-PFUnA	IS	84.1	60 - 130		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
d5-EtFOSAA	IS	78.8	50 - 150		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C2-PFDoA	IS	76.0	30 - 130		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1
13C2-PFTeDA	IS	89.3	20 - 150		B8E0210	26-May-18	0.253 L	29-May-18 11:45	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limits of Detection
LOQ	Limits of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
Q	Ion ratio outside of 70-130% of Standard Ratio. (DOD PFAS projects only)
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1322288
New Hampshire Environmental Accreditation Program	207717
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	9077
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 1801010 Temp: 10.0 °C
 Storage ID: MR-2 Storage Secured: Yes No

Project ID: Wurtsmith AFB PO#: 60518528 Sampler: Garth Cousineau + Russell Platte + Mike Kosciarz
 (name)

TAT Standard: 21 days
 (check one): Rush (surcharge may apply)
 14 days 7 days Specify: _____

Invoice to: Name Mike Jury Company MDEQ Address Saginaw District Office City Saginaw State MI Ph# 989-894-4255 Fax# _____

Relinquished by (printed name and signature) Michal Kosciarz Date 5/21/2018 Time 1630 Received by (printed name and signature) Marissa Sparks Date 05/22/18 Time 0925

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 * Fax (916) 673-0106
 Method of Shipment: _____
 Tracking No.: _____
 ATTN: Jennifer Miller

Add Analysis(es) Requested
 Container(s)
 PFOA/ PFOS UCMR3 PFAS List: 8 537 List: 14 Full List: 26 Other: Please List Below Branch and Linear EPA Method 537(DW only)

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	PFOA/ PFOS	UCMR3 PFAS List: 8	537 List: 14	Full List: 26	Other: Please List Below	Branch and Linear	PFOA/ PFOS	UCMR3 PFAS List: 8	PFAS List: 14	EPA Method 537(DW only)	Comments	
GSUMW0050510180516GSC	5/16/18	1655	RI-GSU-MW-05 (5-10)	2	P	AQ				x								
MW0081819180517GSC	5/17/18	1100	RI-MW-008 (18-19)	2	P	AQ				x								
MW0083738180517RAP	5/17/18	1145	RI-MW-008 (37-38)	2	P	AQ				x								
MW0052021180517MK	5/17/18	1510	RI-MW-005 (20-21)	2	P	AQ				x								
MW0056061180517RAP	5/17/18	1530	RI-MW-005 (60-61)	2	P	AQ				x								
MW0071920180517RAP	5/17/18	1645	RI-MW-007 (19-20)	2	P	AQ				x								
MW0074849180517GSC	5/17/18	1835	RI-MW-007 (48-19)	2	P	AQ				x								
MW0065051180517RAP	5/17/18	2005	RI-MW-006 (50-51)	2	P	AQ				x								
MW0060510180517GSC	5/17/18	2010	RI-MW-006 (5-10)	2	P	AQ				x								
MW0010308180518GSC	5/18/18	0845	RI-MW-001 (3-8)	2	P	AQ				x								

Special Instructions/Comments: **Send Results and Acknowledgements to:**

 Dorin.Bogdan@aecom.com
 Robert.Kennedy@aecom.com
 Michal.Kosciarz@aecom.com

SEND DOCUMENTATION AND RESULTS TO:

Name: **Mike Jury**
 Company: **MDEQ**
 Address: **Saginaw District Office**
 City: **Saginaw** State: **MI** Zip: **49735**
 Phone: **989-894-4255** Fax: _____
 Email: _____

Container Types: P= HDPE, PJ= HDPE Jar
 Bottle Preservation Type: T = Thiosulfate, TZ = Trizma: _____ None
 Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other: _____



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 1801010 Temp: 16.0 °C
 Storage ID: WR-2 Storage Secured: Yes No

Project ID: Wurtsmith AFB PO#: 60518528 Sampler: Garth Cousineau + Russell Platte + Mike Kosciarz
 (name)

TAT Standard: 21 days
 (check one): Rush (surcharge may apply)
 14 days 7 days Specify: _____

Invoice to: Name Mike Jury Company MDEQ Address Saginaw District Office City Saginaw State MI Ph# 989-894-4255 Fax# _____

Relinquished by (printed name and signature) Michal Kosciarz Date 5/21/2018 Time 1630 Received by (printed name and signature) Marissa Sparks Date 05/22/18 Time 0925

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 * Fax (916) 673-0106
 Method of Shipment: _____
 Tracking No.: _____
 ATTN: Jennifer Miller

Add Analysis(es) Requested
 Container(s)
 PFOA/PFOS UCMR3 PFAS List: 8 537 List: 14 Full List: 26 Mod. EPA Method 537
 Other: Please List Below Branch and Linear EPA Method 537(DW only)

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	PFOA/PFOS	UCMR3 PFAS List: 8	537 List: 14	Full List: 26	Other: Please List Below	Branch and Linear	PFOA/PFOS	UCMR3 PFAS List: 8	PFAS List: 14	Comments
MW0030207180518GSC	5/18/18	1005	RI-MW-003 (2-7)	2	P	AQ				x						
MW00304647180518RAP	5/18/18	1040	RI-MW-003 (46-47)	2	P	AQ				x						
GSUMW0031116180518GSC	5/18/18	1215	RI-GSU-MW-003 (11-16)	2	P	AQ				x						
MW0093233180518RAP	5/18/18	1330	RI-MW-009 (32-33)	2	P	AQ				x						
MW0091516180518MK	5/18/18	1355	RI-MW-009 (15-16)	2	P	AQ				x						

Special Instructions/Comments: **Send Results and Acknowledgements to:**

 Dorin.Bogdan@aecom.com
 Robert.Kennedy@aecom.com
 Michal.Kosciarz@aecom.com

SEND DOCUMENTATION AND RESULTS TO:

Name: Mike Jury
 Company: MDEQ
 Address: Saginaw District Office
 City: Saginaw State: MI Zip: 49735
 Phone: 989-894-4255 Fax: _____
 Email: _____

Container Types: P= HDPE, PJ= HDPE Jar
 Bottle Preservation Type: T = Thiosulfate, TZ = Trizma: _____ None
 Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other: _____

Sample Log-in Checklist

Vista Work Order #: 1801010 TAT std

Samples Arrival:	Date/Time <u>05/22/18 0908</u>	Initials: <u>WJS</u>	Location: <u>WR-2</u>
Logged In:	Date/Time <u>05/22/18 0908 1011</u>	Initials: <u>WJS</u>	Location: <u>WR-2</u>
Delivered By:	<input checked="" type="radio"/> FedEx	<input type="radio"/> UPS	<input type="radio"/> On Trac
	<input type="radio"/> GSO	<input type="radio"/> DHL	<input type="radio"/> Hand Delivered
	<input type="radio"/> Other	Preservation:	
	<input checked="" type="radio"/> Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
	<input type="radio"/> None	Temp °C: <u>1.1</u> (uncorrected)	
	Time: <u>0924</u>	Thermometer ID: IR-4	
	Temp °C: <u>1.0</u> (corrected)	Probe used: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

		YES	NO	NA
Adequate Sample Volume Received?		<u>WJS</u>		
Holding Time Acceptable?		<u>WJS</u>		
Shipping Container(s) Intact?		<u>WJS</u>		
Shipping Custody Seals Intact?				<u>WJS</u>
Shipping Documentation Present?		<u>WJR</u>		
Airbill	Trk # <u>4877 0528 2380</u>	<u>WJS</u>		
Sample Container Intact?		<u>WJS</u>		
Sample Custody Seals Intact?				<u>WJS</u>
Chain of Custody / Sample Documentation Present?		<u>WJS</u>		
COC Anomaly/Sample Acceptance Form completed?			<u>WJS</u>	<u>WJS</u>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?				<u>WJS</u>
Preservation Documented:	Na ₂ S ₂ O ₃ Trizma <input checked="" type="radio"/> None	Yes	<input checked="" type="radio"/> No	<input checked="" type="radio"/> NA
Shipping Container	Vista <input checked="" type="radio"/> Client	Retain	<input checked="" type="radio"/> Return	Dispose

Comments:

EXTRACTION INFORMATION

10-DAY TAT **RUSH**

Process Sheet

PRIORITY

Workorder: **1801010**

1-Jun-18

Prep Expiration: 2018-Jun-01

Workorder Due: ~~12-Jun-18 00:00~~

Client: Merit Laboratories, Inc.

TAT: 21 10

Method: **537M Linear All/Branched/Total PFHxS/PFOA/PFOS**
Matrix: **Aqueous**

Prep Batch: B8E0210

Version: MI (24 Analytes) L/B/T

Prep Data Entered: My 05/29/18
Date and Initials

Initial Sequence: _____

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1801010-01	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GSUMW0050510180516GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-02	↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0081819180517GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-03		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0083738180517RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-04		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0052021180517MK		WR-2 A-4	HDPE Bottle, 250 mL
1801010-05		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0056061180517RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-06		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0071920180517RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-07		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0074849180517GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-08		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0065051180517RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-09		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0060510180517GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-10		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0010308180518GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-11		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0030207180518GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-12		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0034647180518RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-13		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GSUMW0031116180518GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-14		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0093233180518RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0091516180518MK		WR-2 A-4	HDPE Bottle, 250 mL

WO Comments: L/B/T PFOA, PFOS, PFHxS, all others linear only.

Pre-Prep Check Out: KC 5/26/18

Prep Check Out: NA

Prep Reconciled Initials/Date: KC 5/26/18

Pre-Prep Check In: NA

Prep Check In: NA

Spike Reconciled Initials/Date: DM 5/26/18

VialBoxID: Mandrader's map

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/

B8E0210

Chemist: KC

Prep Date: 5/26/18

Prep Time: 1800

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: KC 5/26/18				BalanceID: HRMS-8					
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
<input type="checkbox"/>	B8E0210-BLK1 (C)	5	2	0	4	NA	NA	(0.250) ✓	KC 5/26/18	KC 5/26/18	KC JR 5/28/18
<input type="checkbox"/>	B8E0210-BS1	5	2	0	4	↓	↓	(0.250) ✓			
<input type="checkbox"/>	1801010-01	6	2	0	6	288.99	37.22	0.25177 ✓			
<input type="checkbox"/>	1801010-02	5	2	0	5	292.19	37.18	0.25501 ✓			
<input type="checkbox"/>	1801010-03	5	2	0	5	285.60	37.72	0.24788 ✓			
<input checked="" type="checkbox"/>	1801010-04 (A)(B)	5	2	0	4	280.54	37.07	0.24347 ✓			
<input type="checkbox"/>	1801010-05	5	2	0	4	281.21	37.30	0.24391 ✓			
<input type="checkbox"/>	1801010-06	6	2	0	4	289.50	37.60	0.25190 ✓			
<input type="checkbox"/>	1801010-07	5	2	0	5	285.22	37.20	0.24802 ✓			
<input type="checkbox"/>	1801010-08	5	2	0	4	282.65	37.49	0.24516 ✓			
<input type="checkbox"/>	1801010-09	5	2	0	4	280.40	37.33	0.24307 ✓			
<input type="checkbox"/>	1801010-10	6	2	0	5	287.51	37.14	0.25037 ✓			
<input type="checkbox"/>	1801010-11	5	2	0	5	284.43	37.18	0.24725 ✓			
<input type="checkbox"/>	1801010-12	5	2	0	6	287.53	37.10	0.25043 ✓			
<input type="checkbox"/>	1801010-13	5	2	0	5	289.02	37.38	0.25164 ✓			
<input type="checkbox"/>	1801010-14	5	2	0	5	288.88	37.14	0.25174 ✓			

IS: 18D2004, 10µL (V4)	SPE Chem: Strata-X-AW 33µm 200mg 1cmL	Notes: (A) Sample clogged cartridge. Full vacuum and N ₂ gas used to push sample through. KC 5/26/18 (B) When eluting took full vacuum and N ₂ gas to push solvent through cartridge. KC 5/26/18 (C) Due to sample 1801010-04 SPE started 18:45 5/26/18, ended 00:30 5/27/18 KC 5/27/18
IS SUP: NA	Ele SOLV: MeOH/5% NH ₄ OH in MeOH	
NS: 18E0923, 10µL (V5)	Final Volume(s) 1mL	
RS: 18D2005, 10µL (V4)		

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/

B8E0210

Chemist: KL
 Prep Date: 5/26/18
 Prep Time: 1800

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: <u>KL 5/26/18</u>				BalanceID: <u>HAMS-8</u>					
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
<input type="checkbox"/>	1801010-15 <u>Ⓢ</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>4</u>	<u>290.94</u>	<u>37.55</u>	<u>0.25339</u>	<u>KL 5/26/18</u>	<u>KL 5/26/18</u>	<u>KL JR 5/28/18</u>

IS: <u>1802004, 10 µL V4</u>	SPE Chem: <u>Strata-X-AW 33µm 200mg</u>	Notes: Ⓢ Due to sample 1801010-04 SPE started 18:45 5/26/18, ended 00:30 5/27/18 KL 5/27/18
IS SUP: <u>NA</u>	Ele SOLV: <u>MeOH/.5% NH₄OH in MeOH</u>	
NS: <u>18E0923, 10 µL V5</u>	Final Volume(s) <u>1 mL</u>	
RS: <u>18D2005, 10 µL V4</u>		

Comments: Assume 1 g = 1 mL
 Cen = Centrifuged

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1801010-01	0.25177 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-02	0.25501 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-03	0.24788 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-04	0.24347 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-05	0.24391 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-06	0.2519 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-07	0.24802 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-08	0.24516 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-09	0.24307 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-10	0.25037 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-11	0.24725 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-12	0.25043 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-13	0.25164 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-14	0.25174 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
1801010-15	0.25339 ✓			1000	26-May-18 18:00	KC			Aqueous	537M Linear All/Branched/
B8E0210-BLK1	0.25 ✓			1000	26-May-18 18:00	KC				QC
B8E0210-BS1	0.25 ✓			1000	26-May-18 18:00	KC	18E0923 ✓	10 ✓		QC

ny 05/28/18 ^{ng05/29/18} 05/29/18

Process Sheet
 Workorder: 1801010

RUSH

RX

Prep Expiration: 2018-Jun-01
 Client: Merit Laboratories, Inc.

Workorder Due: 01-Jun-18 00:00

TAT: 10

Method: 537M Linear All/Branched/Total PFHxS/PFOA/PFOS
 Matrix: Aqueous

Prep Batch: B8F000Z

Version: MI (24 Analytes) L/B/T

Prep Data Entered: JB 6/4/18
Date and Initials

Initial Sequence: S8F0007

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1801010-01	B	<input type="checkbox"/>	<input checked="" type="checkbox"/>	GSUMW0050510180516GSC	"GSUMW0050516180516GSC"	WR-2 A-4	HDPE Bottle, 250 mL
1801010-02	↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0081819180517GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-03		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0083738180517RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-04		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0052021180517MK		WR-2 A-4	HDPE Bottle, 250 mL
1801010-05		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0056061180517RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-06		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0071920180517RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-07		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0074849180517GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-08		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0065051180517RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-09		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0060510180517GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-10		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0010308180518GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-11		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0030207180518GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-12		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0034647180518RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-13		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GSUMW0031116180518GSC		WR-2 A-4	HDPE Bottle, 250 mL
1801010-14		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0093233180518RAP		WR-2 A-4	HDPE Bottle, 250 mL
1801010-15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MW0091516180518MK		WR-2 A-4	HDPE Bottle, 250 mL

WO Comments: L/B/T PFOA, PFOS, PFHxS, all others linear only.

Pre-Prep Check Out: KC 6/11/18
 Pre-Prep Check In: NA

Prep Check Out: NA
 Prep Check In: NA

Prep Reconciled Initials/Date: KC 6/11/18
 Spike Reconciled Initials/Date: FR 6-1-18
 VialBoxID: Priority Push

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/

B8F0002

Chemist: FR

Prep Date: 6-1-18

Prep Time: 12:10

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: <u>KC 6/1/18</u>				Balance ID: <u>HRMS-8</u>									
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE				
<input type="checkbox"/>	B8F0002-BLK1	5	2	0	2	NA	NA	(0.250)	FR <u>KC 6-1-18</u>	FR 6-1-18	FR KC 6-1-18				
<input type="checkbox"/>	B8F0002-BS1	5	2	0	2	NA	NA	(0.250)							
<input type="checkbox"/>	1801010-01RE1 [ⓐ]	6	2	0	6	280.31	37.17	0.24314							
<input type="checkbox"/>	1801010-02RE1	6	2	0	6	274.11	37.32	0.23679							
<input type="checkbox"/>	1801010-03RE1	6	2	0	7	288.58	37.62	0.25096							
<input type="checkbox"/>	1801010-04RE1	6	2	0	5	281.53	37.36	0.24417							
<input type="checkbox"/>	1801010-05RE1	6	2	0	5	269.67	37.16	0.23251							
<input type="checkbox"/>	1801010-06RE1	6	2	0	5	274.15	37.46	0.23669							
<input type="checkbox"/>	1801010-07RE1	6	2	0	6	287.00	37.28	0.24972							
<input type="checkbox"/>	1801010-08RE1 [ⓐ]	6	2	0	5	285.95	37.69	0.24826							
<input type="checkbox"/>	1801010-09RE1	6	2	0	3	278.38	37.55	0.24083							
<input type="checkbox"/>	1801010-10RE1 [ⓐ] [ⓑ]	6	2	0	6	283.16	37.15	0.24601							
<input type="checkbox"/>	1801010-11RE1 [ⓐ]	6	2	0	6	279.25	37.23	0.24202							
<input type="checkbox"/>	1801010-12RE1 [ⓐ] [ⓑ]	6	2	0	6	287.71	37.48	0.25022							
<input type="checkbox"/>	1801010-13RE1 [ⓐ]	6	2	0	6	283.81	37.16	0.24665							
<input type="checkbox"/>	1801010-14RE1 [ⓐ]	6	2	0	6	272.01	37.29	0.23472							

IS: 18D2004, 10 mL [ⓓ]
 IS SUP: NA
 NS: 18E0923, 10 mL [ⓔ]
 RS: 18D2005, 10 mL [ⓓ]

SPE Chem: STRATA X-AW 33µm 2000g 6mL
 Ele SOLV: MeOH / 0.5% NaOH in MeOH
 Final Volume(s) 1mL

Notes: [ⓐ] SAMPLE OVERACIDIFIED AFTER 6 DROPS HCl CORRECTED WITH 1 DROP IN NaOH (13C1213) FS 6/1/18
[ⓑ] 9 DROPS 1M HCl (18B1301) ADDED TO ACQUIRE PH 2. FS 6/1/18
[ⓒ] SAMPLE WAS FOAMY WHEN SHAKEN FS 6/1/18

Comments: Assume 1 g = 1 mL
 Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/

B8F0002

Chemist: FR

Prep Date: 6.1.18

Prep Time: 12:10

Prepared using: LCMS - SPE Extraction-LCMS

Cen	VISTA Sample ID	Date/Initials: <u>KL 6/1/18</u>		BalanceID: <u>HRMS-8</u>					IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
		pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)			
<input type="checkbox"/>	1801010-15RE1	<u>6</u>	<u>2</u>	<u>0</u>	<u>5</u>	<u>284.37</u>	<u>37.08</u>	<u>0.24729</u>	<u>FR KL 6.1.18</u>	<u>FR 6.1.18</u>	<u>FR KL 6.1.18</u>

IS: <u>18D2004, 10 mL (V3)</u> IS SUP: <u>NA</u> NS: <u>18E0923, 10 mL (V5)</u> RS: <u>18D2005, 10 mL (V3)</u>	SPE Chem: <u>STRATA X-AW 33µm ^{200mg}/_{6 mL}</u> Ele SOLV: <u>MeOH/0.5% NH₄OH in MeOH</u> Final Volume(s) <u>6 mL</u>	Notes:
---	--	--------

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

Batch: B8F0002

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1801010-01RE1	0.24314 ✓	NA	NA	1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-02RE1	0.23679 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-03RE1	0.25096 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-04RE1	0.24417 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-05RE1	0.23251 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-06RE1	0.23669 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-07RE1	0.24972 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-08RE1	0.24826 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-09RE1	0.24083 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-10RE1	0.24601 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-11RE1	0.24202 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-12RE1	0.25022 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-13RE1	0.24665 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-14RE1	0.23472 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
1801010-15RE1	0.24729 ✓			1000	01-Jun-18 12:10	FBR			Aqueous	537M Linear All/Branched/
B8F0002-BLK1	0.25 ✓			1000	01-Jun-18 12:10	FBR				QC
B8F0002-BS1	0.25 ✓			1000	01-Jun-18 12:10	FBR	18E0923 ✓	10 ✓		QC

JR 6/4/18

Sample Data – PFAS Isotope Dilution Method

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-97.qld

Last Altered: Wednesday, May 30, 2018 09:54:13 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:34:01 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_97, Date: 29-May-2018, Time: 08:37:40, ID: B8E0210-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8		5.10e3	0.2500		1.41						
2	2 PFPeA	263.1 > 218.9		7.77e3	0.2500		2.39						
3	3 PFBS	299.0 > 79.7		1.13e3	0.2500		2.67						
4	4 4:2 FTS	327.2>307.2	3.83e0	2.14e3	0.2500		3.07	3.08	0.0224	0.042		0.351	YES
5	5 PFHxA	313.2 > 268.9		2.65e3	0.2500		3.16						
6	6 PFPeS	349.1>80.1		1.13e3	0.2500		3.37						
7	7 PFHpA	363.0 > 318.9		7.77e3	0.2500		3.78						
8	8 L-PFHxS	398.9 > 79.6		9.57e2	0.2500		3.93						
9	10 6:2 FTS	427.1 > 407	4.86e2	2.70e3	0.2500		4.23	4.24	2.25	8.445		3.446	NO
10	11 L-PFOA	413 > 368.7		1.23e4	0.2500		4.40						
11	13 PFHpS	449 > 80.0		1.23e4	0.2500		4.40						
12	14 PFNA	463.0 > 418.8		9.20e3	0.2500		4.73						
13	15 PFOSA	498.2 > 77.9		9.71e2	0.2500		4.79						
14	16 L-PFOS	499.1 > 79.9		2.39e3	0.2500		4.81						
15	18 PFDA	513 > 468.8		1.31e4	0.2500		5.10						
16	19 8:2 FTS	527 > 506.9		2.12e3	0.2500		5.07						
17	20 PFNS	549.1>80.1		2.39e3	0.2500		5.16						
18	21 L-MeFOSAA	570.1 > 419		2.64e3	0.2500		5.25						
19	23 L-EtFOSAA	584.2 > 419		3.20e3	0.2500		5.41						

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-97.qld

Last Altered: Wednesday, May 30, 2018 09:54:13 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:34:11 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_97, Date: 29-May-2018, Time: 08:37:40, ID: B8E0210-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	25	PFUdA	563.0 > 518.9	1.11e4	0.2500		5.42						
2	26	PFDS	598.8 > 80	1.11e4	0.2500		5.47						
3	27	PFDoA	612.9 > 569.0	1.09e4	0.2500		5.70						
4	28	N-MeFOSA	512.1 > 168.9		0.2500		5.87						
5	29	PFTTrDA	662.9 > 618.9	1.09e4	0.2500		5.95						
6	30	PFTeDA	712.9 > 668.8	1.01e4	0.2500		6.17						
7	31	N-EtFOSA	526.1 > 168.9		0.2500		6.27						
8	32	PFHxDA	813.1 > 768.6	7.14e3	0.2500		6.50						
9	33	PFODA	913.1 > 868.8	7.14e3	0.2500		6.73						
10	34	N-MeFOSE	616.1 > 58.9		0.2500		6.42						
11	35	N-EtFOSE	630.1 > 58.9		0.2500		6.57						
12	36	13C3-PFBA	216.1 > 171.8	5.10e3	6.27e3	0.2500	0.847	1.39	1.41	10.2	48.037	96.1	
13	37	13C3-PFPeA	266. > 221.8	7.77e3	1.01e4	0.2500	0.852	2.37	2.38	9.59	44.998	90.0	
14	38	13C3-PFBS	302. > 98.8	1.13e3	1.01e4	0.2500	0.102	2.66	2.67	1.39	54.741	109.5	
15	39	13C2-4:2 FTS	329.2>308.9	2.14e3	1.01e4	0.2500	0.233	3.06	3.07	2.64	45.174	90.3	
16	40	13C2-PFHxA	315 > 269.8	2.65e3	1.01e4	0.2500	0.720	3.15	3.16	3.27	18.148	90.7	
17	41	13C4-PFHpA	367.2 > 321.8	7.77e3	1.01e4	0.2500	0.795	3.76	3.78	9.59	48.237	96.5	
18	42	18O2-PFHxS	403.0 > 102.6	9.57e2	2.25e3	0.2500	0.421	3.92	3.93	5.31	50.478	101.0	
19	43	13C2-6:2 FTS	429.1 > 408.9	2.70e3	9.95e3	0.2500	0.280	4.23	4.24	3.39	48.309	96.6	
20	44	13C2-PFOA	414.9 > 369.7	1.23e4	9.95e3	0.2500	1.477	4.29	4.30	15.5	41.972	83.9	
21	45	13C5-PFNA	468.2 > 422.9	9.20e3	1.27e4	0.2500	0.955	4.73	4.74	9.09	38.074	76.1	
22	46	13C8-PFOSA	506.1 > 77.7	9.71e2	1.65e4	0.2500	0.151	4.79	4.80	0.734	19.415	38.8	
23	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.52e3	0.2500	1.023	4.81	4.82	11.8	46.279	92.6	
24	48	13C2-PFDA	515.1 > 469.9	1.31e4	1.51e4	0.2500	1.200	5.10	5.11	10.8	36.112	72.2	
25	49	13C2-8:2 FTS	529.1 > 508.7	2.12e3	1.01e4	0.2500	0.224	5.07	5.08	2.61	46.610	93.2	
26	50	d3-N-MeFOSAA	573.3 > 419	2.64e3	1.65e4	0.2500	0.231	5.25	5.26	2.00	34.573	69.1	
27	51	d5-N-EtFOSAA	589.3 > 419	3.20e3	1.65e4	0.2500	0.259	5.41	5.41	2.42	37.428	74.9	
28	52	13C2-PFUdA	565 > 519.8	1.11e4	1.65e4	0.2500	0.996	5.42	5.43	8.40	33.725	67.5	
29	53	13C2-PFDoA	615.0 > 569.7	1.09e4	1.51e4	0.2500	1.247	5.70	5.71	9.00	28.865	57.7	
30	54	d3-N-MeFOSA	515.2 > 168.9		1.65e4	0.2500	0.053	5.90					
31	55	13C2-PFTeDA	714.8 > 669.6	1.01e4	1.65e4	0.2500	0.792	6.17	6.17	7.66	38.702	77.4	
32	56	d5-N-ETFOSA	531.1 > 168.9		1.65e4	0.2500	0.076	6.29					

GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-97.qld

Last Altered: Wednesday, May 30, 2018 09:54:13 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:34:11 Pacific Daylight Time

Name: 180528M1_97, Date: 29-May-2018, Time: 08:37:40, ID: B8E0210-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
33	57 13C2-PFHxDA	815 > 769.7	7.14e3	1.65e4	0.2500	1.211	6.50	6.50	5.39	17.822	89.1		
34	58 d7-N-MeFOSE	623.1 > 58.9		1.65e4	0.2500	0.040	6.42						
35	59 d9-N-EtFOSE	639.2 > 58.8		1.65e4	0.2500	0.041	6.56						
36	60 13C4-PFBA	217. > 171.8	6.27e3	6.27e3	0.2500	1.000	1.39	1.42	12.5	50.000	100.0		
37	61 13C5-PFHxA	318 > 272.9	1.01e4	1.01e4	0.2500	1.000	3.14	3.16	12.5	50.000	100.0		
38	62 13C3-PFHxS	401.9 > 79.9	2.25e3	2.25e3	0.2500	1.000	3.92	3.93	12.5	50.000	100.0		
39	63 13C8-PFOA	421.3 > 376	9.95e3	9.95e3	0.2500	1.000	4.29	4.30	12.5	50.000	100.0		
40	64 13C9-PFNA	472.2 > 426.9	1.27e4	1.27e4	0.2500	1.000	4.72	4.74	12.5	50.000	100.0		
41	65 13C4-PFOS	503 > 79.9	2.52e3	2.52e3	0.2500	1.000	4.81	4.82	12.5	50.000	100.0		
42	66 13C6-PFDA	519.1 > 473.7	1.51e4	1.51e4	0.2500	1.000	5.10	5.11	12.5	50.000	100.0		
43	67 13C7-PFUdA	570.1 > 524.8	1.65e4	1.65e4	0.2500	1.000	5.42	5.43	12.5	50.000	100.0		
44	68 Total PFHxS	398.9 > 79.6	0.00e0	9.57e2	0.2500		4.05		0.000				
45	69 Total PFOA	413 > 368.7	0.00e0	1.23e4	0.2500		4.30		0.000				
46	70 Total PFOS	499.1 > 79.9	0.00e0	2.39e3	0.2500		4.90		0.000				
47	71 Total N-MeFOSAA	570.1 > 419	0.00e0	2.64e3	0.2500		5.55		0.000				
48	72 Total N-EtFOSAA	584.2 > 419	0.00e0	3.20e3	0.2500		5.70		0.000				

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-97.qld

Last Altered: Wednesday, May 30, 2018 09:54:13 Pacific Daylight Time

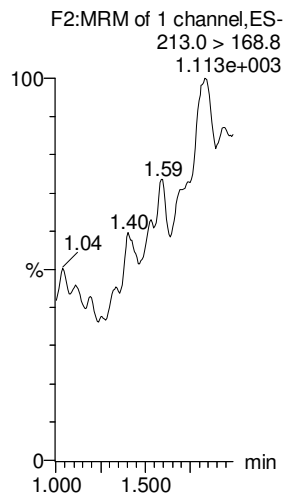
Printed: Wednesday, May 30, 2018 12:34:11 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

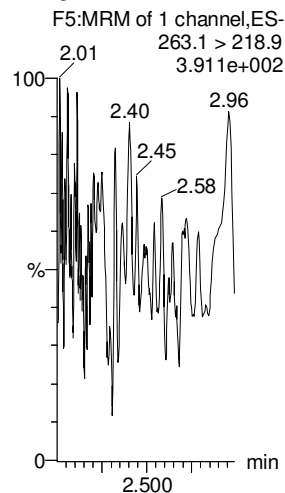
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_97, Date: 29-May-2018, Time: 08:37:40, ID: B8E0210-BLK1 Method Blank 0.125, Description: Method Blank

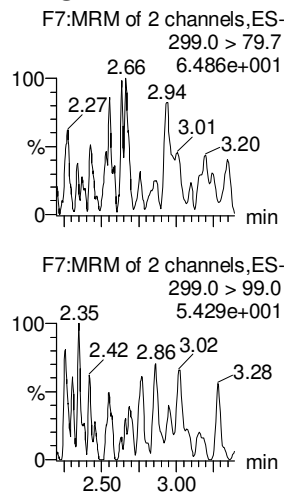
PFBA



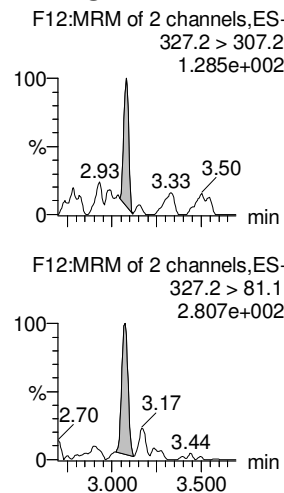
PFPeA



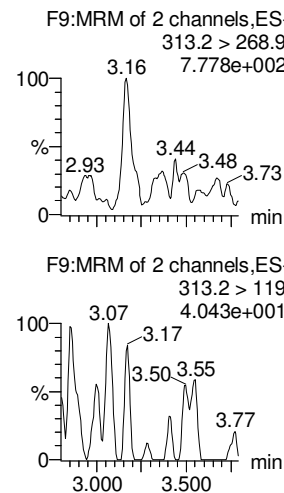
PFBS



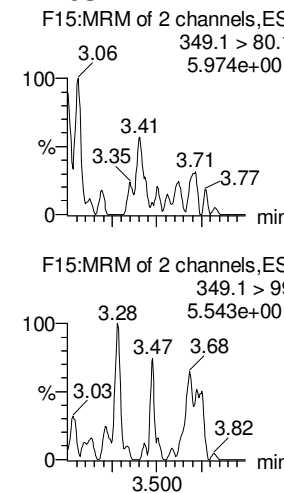
4:2 FTS



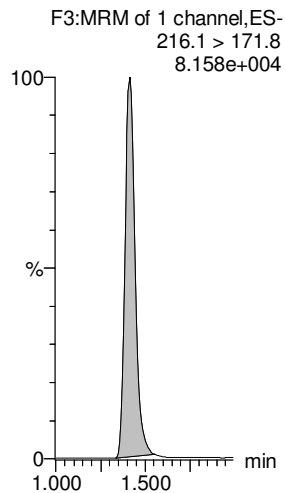
PFHxA



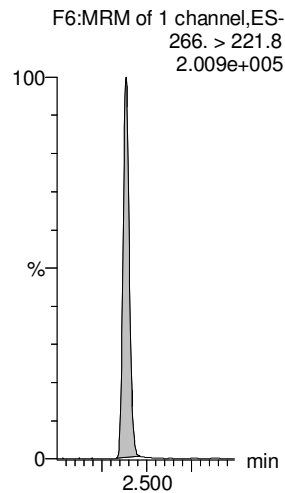
PFPeS



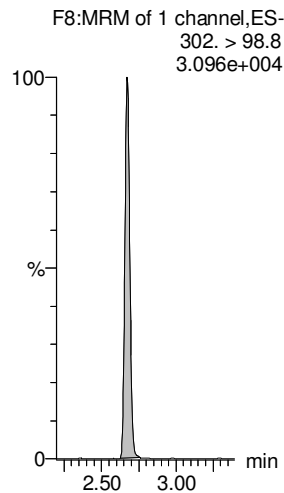
13C3-PFBA



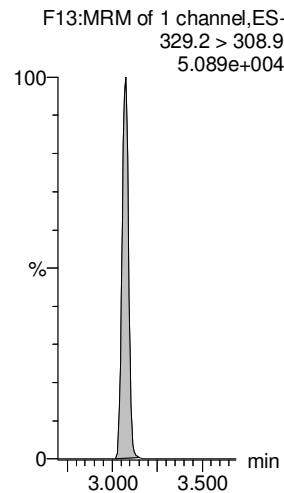
13C3-PFPeA



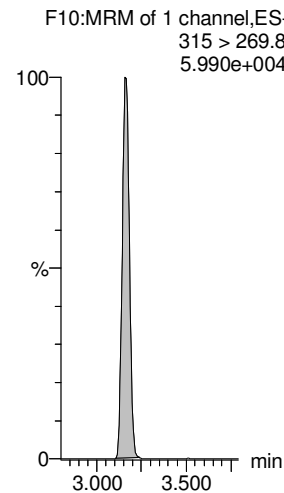
13C3-PFBS



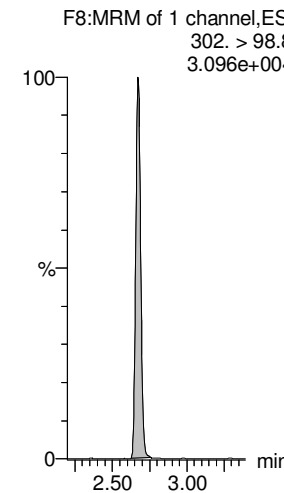
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-97.qld

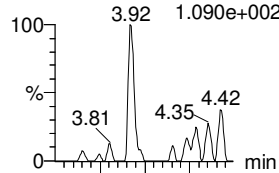
Last Altered: Wednesday, May 30, 2018 09:54:13 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:34:11 Pacific Daylight Time

Name: 180528M1_97, Date: 29-May-2018, Time: 08:37:40, ID: B8E0210-BLK1 Method Blank 0.125, Description: Method Blank

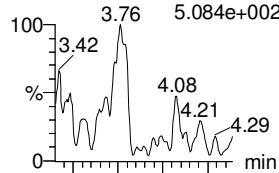
L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
1.090e+002



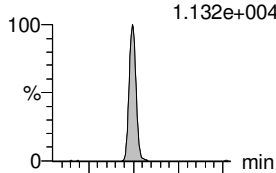
PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
5.084e+002



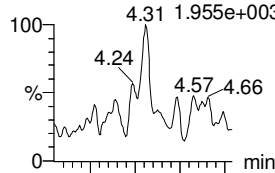
6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
1.132e+004



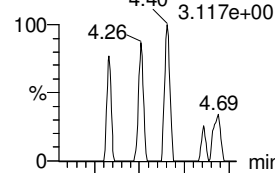
L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
1.955e+003



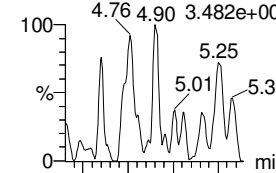
PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
3.117e+001

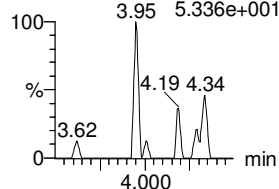


PFNA

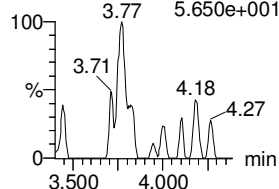
F27:MRM of 2 channels,ES-
463.0 > 418.8
3.482e+002



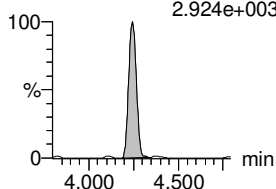
F18:MRM of 2 channels,ES-
398.9 > 99.0
5.336e+001



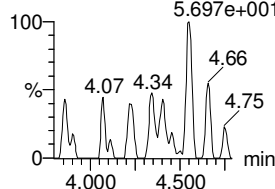
F16:MRM of 2 channels,ES-
363.0 > 169.0
5.650e+001



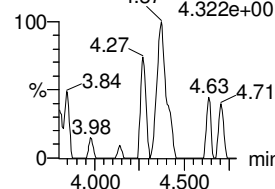
F24:MRM of 2 channels,ES-
427.1 > 80
2.924e+003



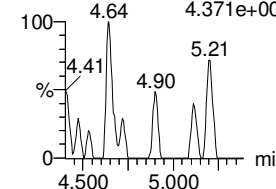
F21:MRM of 2 channels,ES-
413 > 169
5.697e+001



F26:MRM of 2 channels,ES-
449 > 98.7
4.322e+001

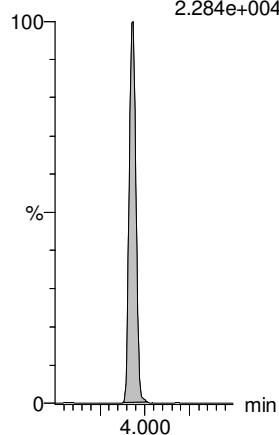


F27:MRM of 2 channels,ES-
463.0 > 219.0
4.371e+001



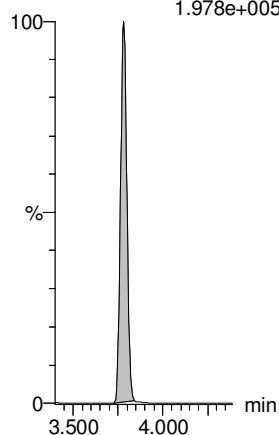
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.284e+004



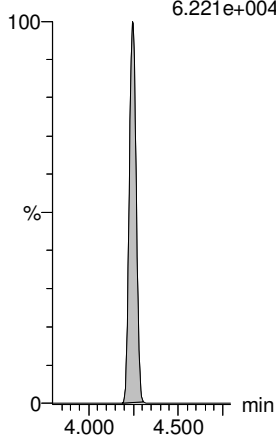
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.978e+005



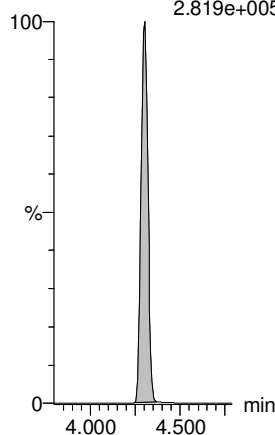
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
6.221e+004



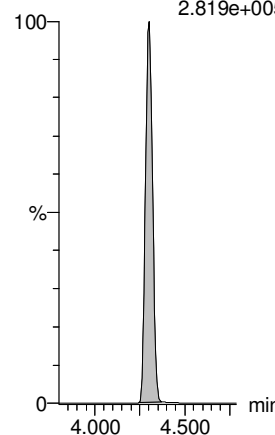
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
2.819e+005



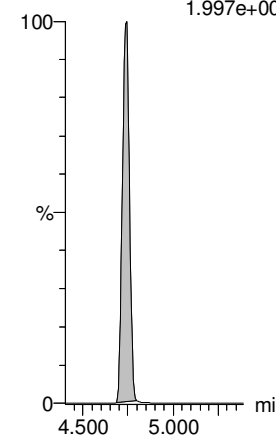
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
2.819e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.997e+005



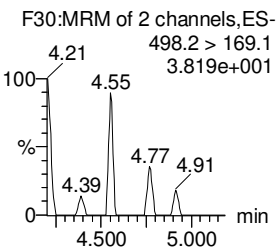
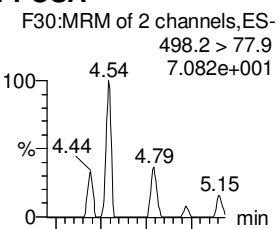
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-97.qld

Last Altered: Wednesday, May 30, 2018 09:54:13 Pacific Daylight Time

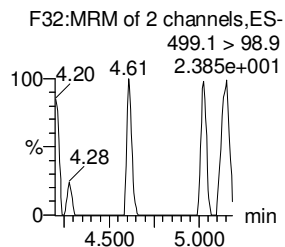
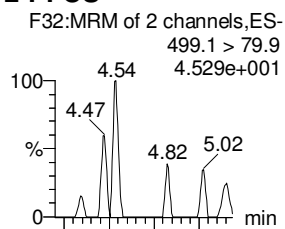
Printed: Wednesday, May 30, 2018 12:34:11 Pacific Daylight Time

Name: 180528M1_97, Date: 29-May-2018, Time: 08:37:40, ID: B8E0210-BLK1 Method Blank 0.125, Description: Method Blank

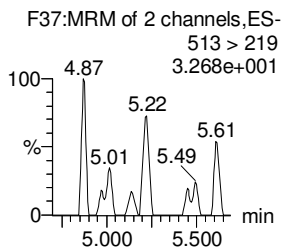
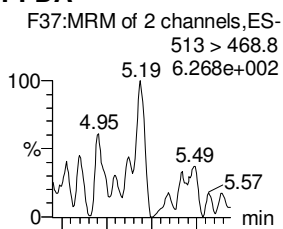
PFOSA



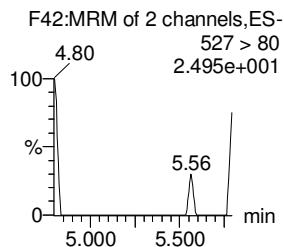
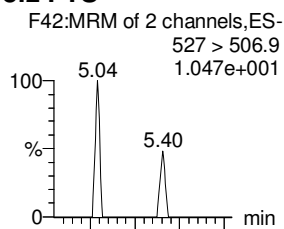
L-PFOS



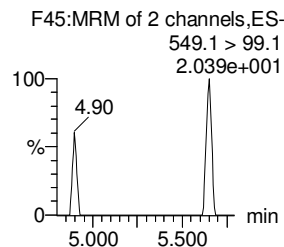
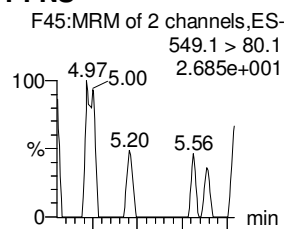
PFDA



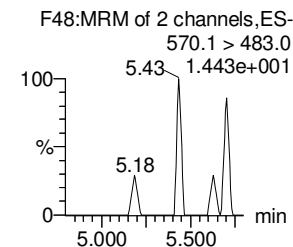
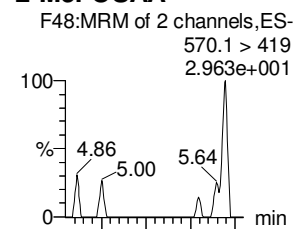
8:2 FTS



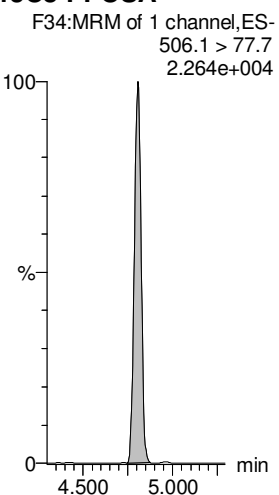
PFNS



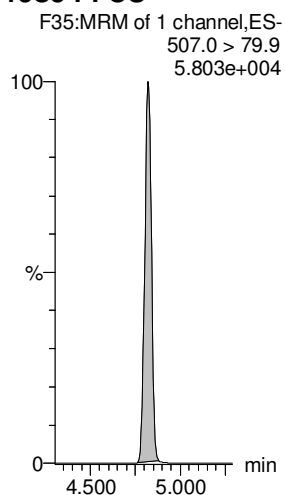
L-MeFOSAA



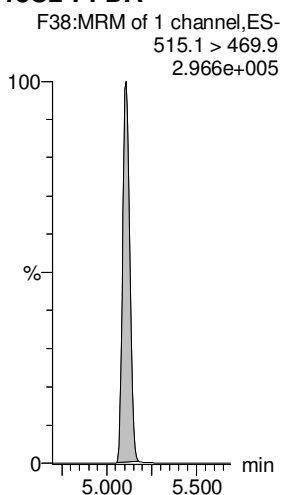
13C8-PFOSA



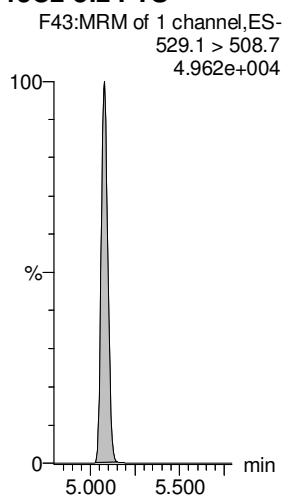
13C8-PFOS



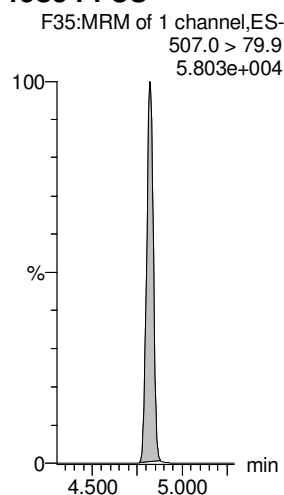
13C2-PFDA



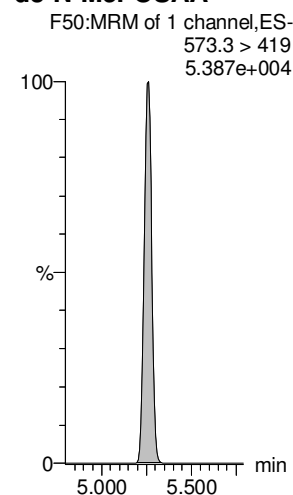
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

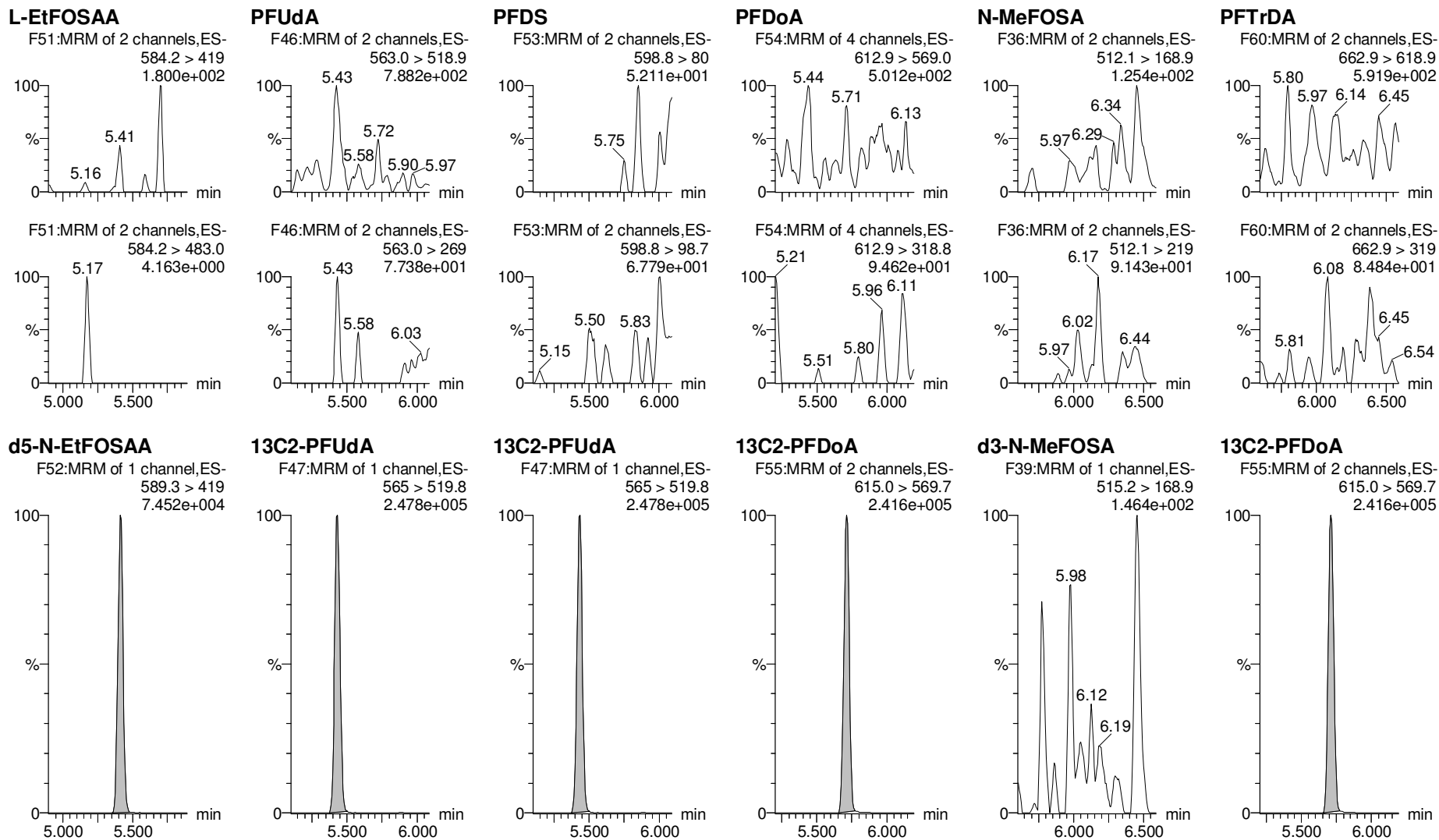


Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-97.qld

Last Altered: Wednesday, May 30, 2018 09:54:13 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:34:11 Pacific Daylight Time

Name: 180528M1_97, Date: 29-May-2018, Time: 08:37:40, ID: B8E0210-BLK1 Method Blank 0.125, Description: Method Blank



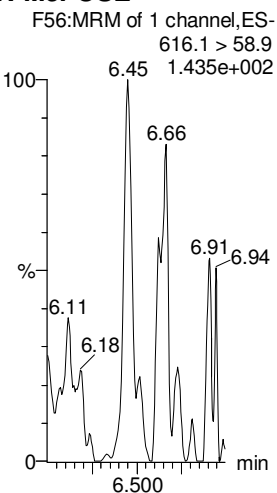
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-97.qld

Last Altered: Wednesday, May 30, 2018 09:54:13 Pacific Daylight Time

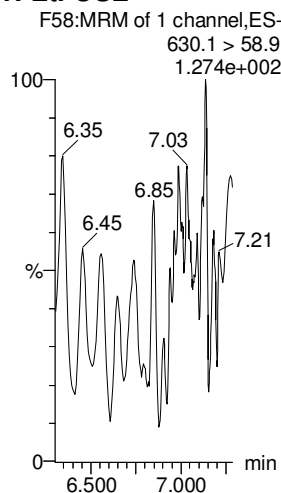
Printed: Wednesday, May 30, 2018 12:34:11 Pacific Daylight Time

Name: 180528M1_97, Date: 29-May-2018, Time: 08:37:40, ID: B8E0210-BLK1 Method Blank 0.125, Description: Method Blank

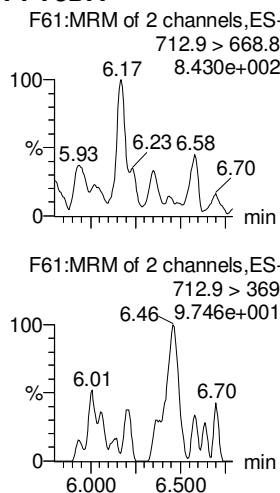
N-MeFOSE



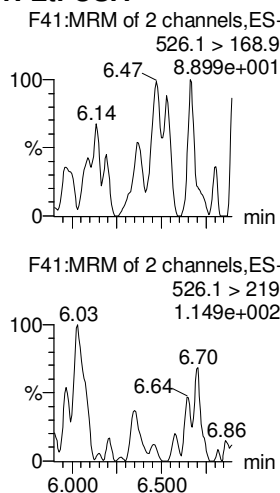
N-EtFOSE



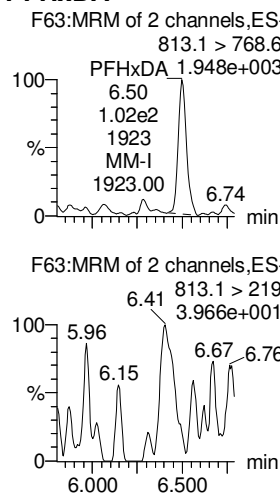
PFTeDA



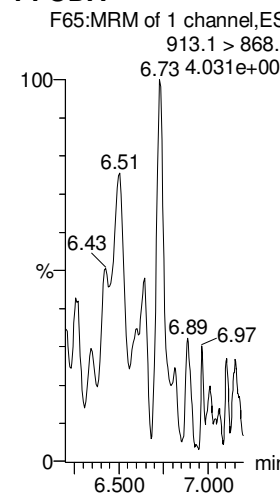
N-EtFOSA



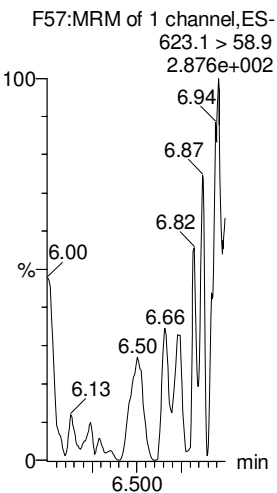
PFHxDA



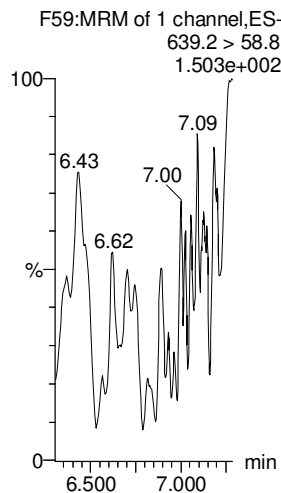
PFODA



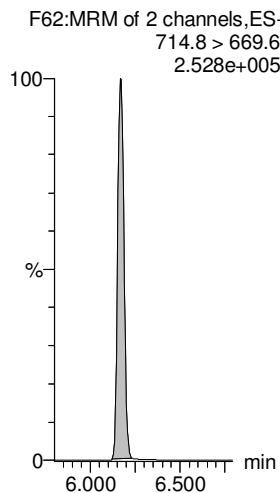
d7-N-MeFOSE



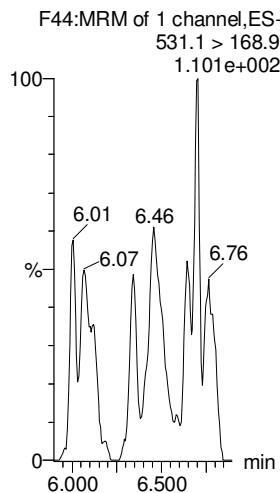
d9-N-EtFOSE



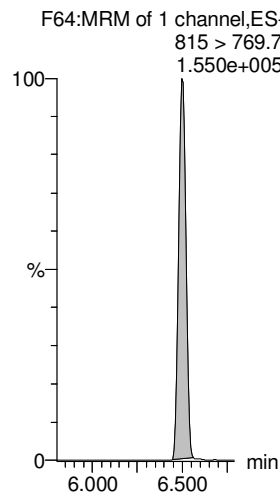
13C2-PFTeDA



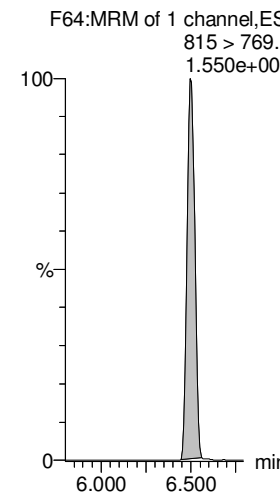
d5-N-ETFOSA



13C2-PFHxDA



13C2-PFHxDA

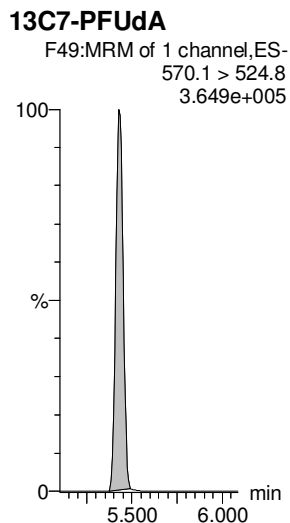
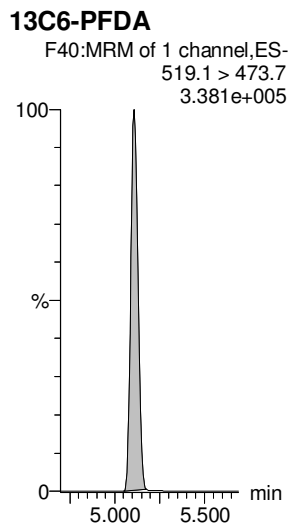
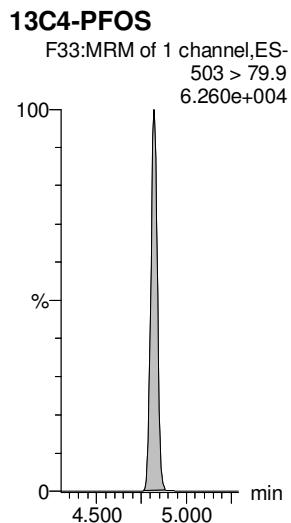
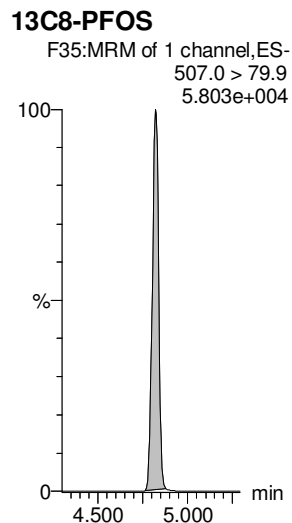
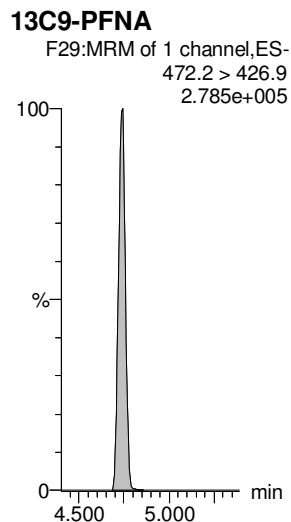
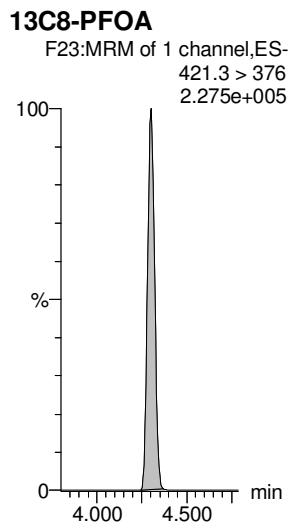
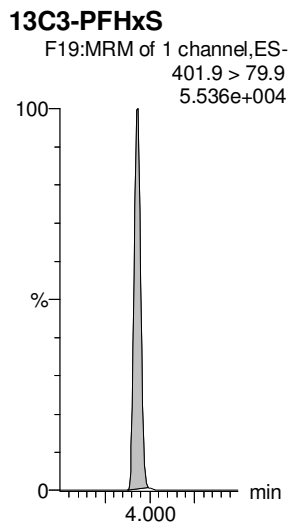
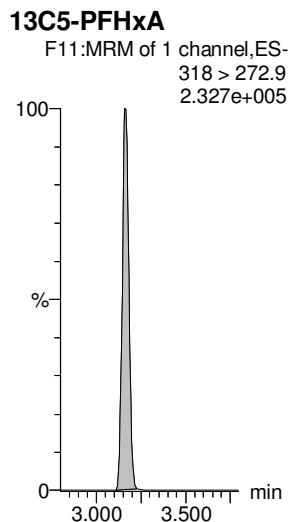
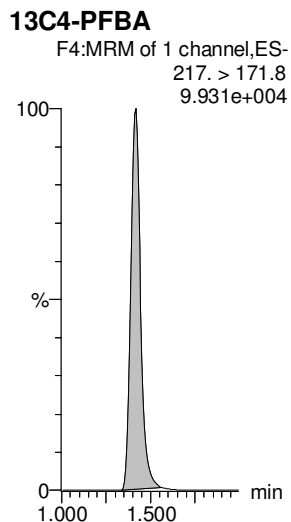
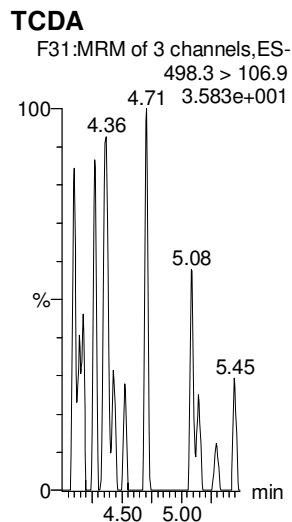


Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-97.qld

Last Altered: Wednesday, May 30, 2018 09:54:13 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:34:11 Pacific Daylight Time

Name: 180528M1_97, Date: 29-May-2018, Time: 08:37:40, ID: B8E0210-BLK1 Method Blank 0.125, Description: Method Blank



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-96.qld

Last Altered: Tuesday, May 29, 2018 18:39:29 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 18:40:13 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_96, Date: 29-May-2018, Time: 08:27:09, ID: B8E0210-BS1 OPR 0.125, Description: OPR

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	4.83e3	5.03e3	0.2500		1.40	1.40	12.0	42.451	106.1		
2	2 PFPeA	263.1 > 218.9	6.24e3	7.47e3	0.2500		2.38	2.38	10.4	40.059	100.1		
3	3 PFBS	299.0 > 79.7	1.81e3	1.03e3	0.2500		2.67	2.67	21.9	48.542	121.4	2.601	NO
4	4 4:2 FTS	327.2>307.2	1.89e3	2.16e3	0.2500		3.07	3.07	10.9	41.935	104.8	1.855	NO
5	5 PFHxA	313.2 > 268.9	8.32e3	2.85e3	0.2500		3.16	3.16	14.6	44.925	112.3	259.892	NO
6	6 PFPeS	349.1>80.1	1.66e3	1.03e3	0.2500		3.37	3.37	20.2	44.050	110.1	1.796	NO
7	7 PFHpA	363.0 > 318.9	7.78e3	7.21e3	0.2500		3.78	3.78	13.5	45.443	113.6	29.786	YES
8	8 L-PFHxS	398.9 > 79.6	1.50e3	8.15e2	0.2500		3.93	3.93	23.0	51.523	128.8	1.808	NO
9	10 6:2 FTS	427.1 > 407	2.64e3	2.55e3	0.2500		4.23	4.24	12.9	51.832	129.6	3.078	NO
10	11 L-PFOA	413 > 368.7	9.89e3	1.29e4	0.2500		4.40	4.30	9.58	44.929	112.3	4.959	NO
11	13 PFHpS	449 > 80.0	1.77e3	1.29e4	0.2500		4.40	4.41	1.71	43.094	107.7	1.861	NO
12	14 PFNA	463.0 > 418.8	9.87e3	8.58e3	0.2500		4.73	4.73	14.4	45.519	113.8	5.163	NO
13	15 PFOSA	498.2 > 77.9	8.26e2	1.05e3	0.2500		4.79	4.80	9.86	40.257	100.6	15.519	YES
14	16 L-PFOS	499.1 > 79.9	1.90e3	2.31e3	0.2500		4.81	4.82	10.3	47.572	118.9	2.169	NO
15	18 PFDA	513 > 468.8	9.67e3	9.34e3	0.2500		5.10	5.11	12.9	49.767	124.4	5.960	NO
16	19 8:2 FTS	527 > 506.9	2.39e3	2.19e3	0.2500		5.07	5.08	13.6	40.941	102.4	2.509	NO
17	20 PFNS	549.1>80.1	1.56e3	2.31e3	0.2500		5.16	5.17	8.43	42.330	105.8	1.668	NO
18	21 L-MeFOSAA	570.1 > 419	3.36e3	2.71e3	0.2500		5.25	5.26	15.5	46.541	116.4	16.656	YES
19	23 L-EtFOSAA	584.2 > 419	2.62e3	3.10e3	0.2500		5.41	5.42	10.6	42.709	106.8	12.541	NO

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-96.qld

Last Altered: Tuesday, May 29, 2018 18:39:29 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 18:40:26 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_96, Date: 29-May-2018, Time: 08:27:09, ID: B8E0210-BS1 OPR 0.125, Description: OPR

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	25 PFUdA	563.0 > 518.9	9.15e3	1.04e4	0.2500		5.42	5.43	11.0	49.385	123.5	11.384	NO
2	26 PFDS	598.8 > 80	1.82e3	1.04e4	0.2500		5.47	5.48	2.18	79.704	199.3	2.280	NO
3	27 PFDoA	612.9 > 569.0	1.17e4	1.26e4	0.2500		5.70	5.71	11.6	44.666	111.7	9.005	NO
4	28 N-MeFOSA	512.1 > 168.9	8.99e2		0.2500		5.87	5.88				1.296	NO
5	29 PFTTrDA	662.9 > 618.9	1.34e4	1.26e4	0.2500		5.95	5.96	13.3	42.347	105.9	40.182	NO
6	30 PFTeDA	712.9 > 668.8	1.11e4	9.93e3	0.2500		6.17	6.17	14.0	40.790	102.0	13.149	NO
7	31 N-EtFOSA	526.1 > 168.9	1.04e3		0.2500		6.27	6.29				1.387	NO
8	32 PFHxDA	813.1 > 768.6	9.60e3	6.81e3	0.2500		6.50	6.50	7.05	37.614	94.0	41.438	NO
9	33 PFODA	913.1 > 868.8	1.28e4	6.81e3	0.2500		6.73	6.73	9.44	43.235	108.1		
10	34 N-MeFOSE	616.1 > 58.9	9.13e2		0.2500		6.42	6.42					
11	35 N-EtFOSE	630.1 > 58.9	9.36e2		0.2500		6.57	6.57					
12	36 13C3-PFBA	216.1 > 171.8	5.03e3	6.09e3	0.2500	0.847	1.39	1.41	10.3	48.659	97.3		
13	37 13C3-PFPeA	266. > 221.8	7.47e3	1.04e4	0.2500	0.852	2.37	2.38	8.97	42.127	84.3		
14	38 13C3-PFBS	302. > 98.8	1.03e3	1.04e4	0.2500	0.102	2.66	2.67	1.24	48.735	97.5		
15	39 13C2-4:2 FTS	329.2>308.9	2.16e3	1.04e4	0.2500	0.233	3.06	3.07	2.59	44.419	88.8		
16	40 13C2-PFHxA	315 > 269.8	2.85e3	1.04e4	0.2500	0.720	3.15	3.17	3.42	18.988	94.9		
17	41 13C4-PFHpA	367.2 > 321.8	7.21e3	1.04e4	0.2500	0.795	3.76	3.78	8.66	43.554	87.1		
18	42 18O2-PFHxS	403.0 > 102.6	8.15e2	2.19e3	0.2500	0.421	3.92	3.93	4.66	44.269	88.5		
19	43 13C2-6:2 FTS	429.1 > 408.9	2.55e3	9.33e3	0.2500	0.280	4.23	4.24	3.41	48.649	97.3		
20	44 13C2-PFOA	414.9 > 369.7	1.29e4	9.33e3	0.2500	1.477	4.29	4.30	17.3	46.806	93.6		
21	45 13C5-PFNA	468.2 > 422.9	8.58e3	1.23e4	0.2500	0.955	4.73	4.73	8.74	36.582	73.2		
22	46 13C8-PFOSA	506.1 > 77.7	1.05e3	1.72e4	0.2500	0.151	4.79	4.80	0.761	20.129	40.3		
23	47 13C8-PFOS	507.0 > 79.9	2.31e3	2.21e3	0.2500	1.023	4.81	4.82	13.1	51.165	102.3		
24	48 13C2-PFDA	515.1 > 469.9	9.34e3	1.33e4	0.2500	1.200	5.10	5.11	8.80	29.333	58.7		
25	49 13C2-8:2 FTS	529.1 > 508.7	2.19e3	1.04e4	0.2500	0.224	5.07	5.08	2.63	47.023	94.0		
26	50 d3-N-MeFOSAA	573.3 > 419	2.71e3	1.72e4	0.2500	0.231	5.25	5.26	1.97	34.145	68.3		
27	51 d5-N-EtFOSAA	589.3 > 419	3.10e3	1.72e4	0.2500	0.259	5.41	5.41	2.25	34.865	69.7		
28	52 13C2-PFUdA	565 > 519.8	1.04e4	1.72e4	0.2500	0.996	5.42	5.43	7.56	30.351	60.7		
29	53 13C2-PFDoA	615.0 > 569.7	1.26e4	1.33e4	0.2500	1.247	5.70	5.71	11.9	38.086	76.2		
30	54 d3-N-MeFOSA	515.2 > 168.9		1.72e4	0.2500	0.053	5.90						
31	55 13C2-PFTeDA	714.8 > 669.6	9.93e3	1.72e4	0.2500	0.792	6.17	6.17	7.22	36.479	73.0		
32	56 d5-N-ETFOSA	531.1 > 168.9		1.72e4	0.2500	0.076	6.29						

GM 5/29/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-96.qld

Last Altered: Tuesday, May 29, 2018 18:39:29 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 18:40:26 Pacific Daylight Time

Name: 180528M1_96, Date: 29-May-2018, Time: 08:27:09, ID: B8E0210-BS1 OPR 0.125, Description: OPR

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
33	57	13C2-PFHxDA	815 > 769.7	6.81e3	1.72e4	0.2500	1.211	6.50	6.50	4.95	16.345	81.7	
34	58	d7-N-MeFOSE	623.1 > 58.9		1.72e4	0.2500	0.040	6.42					
35	59	d9-N-EtFOSE	639.2 > 58.8		1.72e4	0.2500	0.041	6.56					
36	60	13C4-PFBA	217. > 171.8	6.09e3	6.09e3	0.2500	1.000	1.39	1.41	12.5	50.000	100.0	
37	61	13C5-PFHxA	318 > 272.9	1.04e4	1.04e4	0.2500	1.000	3.14	3.17	12.5	50.000	100.0	
38	62	13C3-PFHxS	401.9 > 79.9	2.19e3	2.19e3	0.2500	1.000	3.92	3.93	12.5	50.000	100.0	
39	63	13C8-PFOA	421.3 > 376	9.33e3	9.33e3	0.2500	1.000	4.29	4.30	12.5	50.000	100.0	
40	64	13C9-PFNA	472.2 > 426.9	1.23e4	1.23e4	0.2500	1.000	4.72	4.73	12.5	50.000	100.0	
41	65	13C4-PFOS	503 > 79.9	2.21e3	2.21e3	0.2500	1.000	4.81	4.82	12.5	50.000	100.0	
42	66	13C6-PFDA	519.1 > 473.7	1.33e4	1.33e4	0.2500	1.000	5.10	5.11	12.5	50.000	100.0	
43	67	13C7-PFUdA	570.1 > 524.8	1.72e4	1.72e4	0.2500	1.000	5.42	5.43	12.5	50.000	100.0	
44	68	Total PFHxS	398.9 > 79.6	1.50e3	8.15e2	0.2500		4.05		23.0	51.523		
45	69	Total PFOA	413 > 368.7	9.89e3	1.29e4	0.2500		4.30		9.58	44.929		
46	70	Total PFOS	499.1 > 79.9	1.90e3	2.31e3	0.2500		4.90		10.3	47.572		
47	71	Total N-MeFOSAA	570.1 > 419	3.36e3	2.71e3	0.2500		5.55		15.5	46.541		
48	72	Total N-EtFOSAA	584.2 > 419	2.62e3	3.10e3	0.2500		5.70		10.6	42.709		

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-96.qld

Last Altered: Tuesday, May 29, 2018 18:39:29 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 18:40:26 Pacific Daylight Time

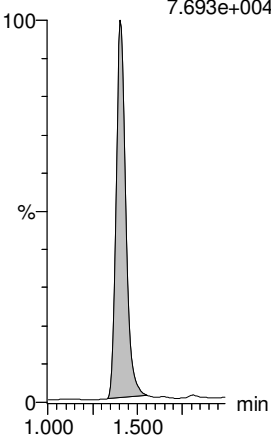
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_96, Date: 29-May-2018, Time: 08:27:09, ID: B8E0210-BS1 OPR 0.125, Description: OPR

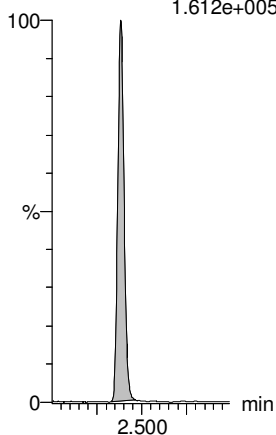
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
7.693e+004



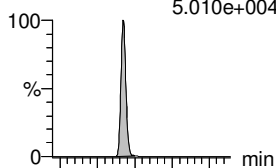
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
1.612e+005

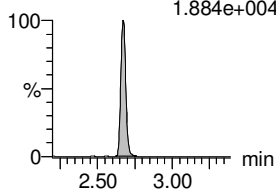


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
5.010e+004

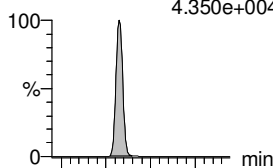


F7:MRM of 2 channels,ES-
299.0 > 99.0
1.884e+004

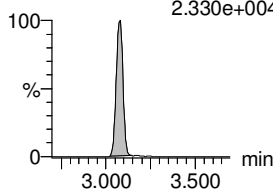


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
4.350e+004

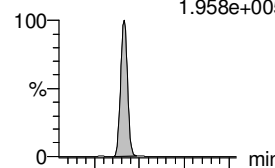


F12:MRM of 2 channels,ES-
327.2 > 81.1
2.330e+004

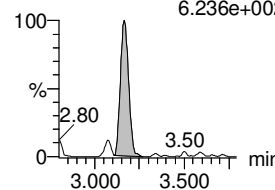


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
1.958e+005

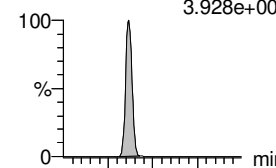


F9:MRM of 2 channels,ES-
313.2 > 119
6.236e+002

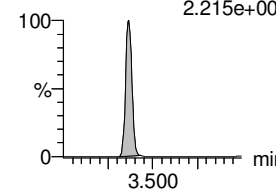


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
3.928e+004

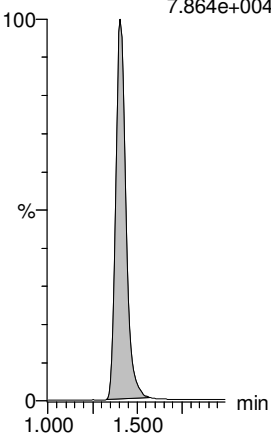


F15:MRM of 2 channels,ES-
349.1 > 99
2.215e+004



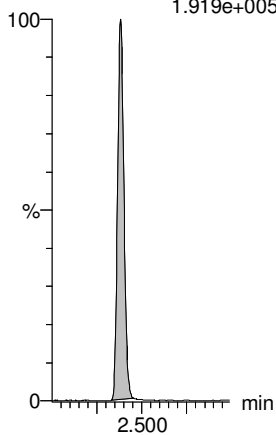
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
7.864e+004



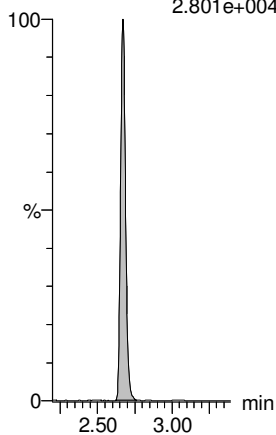
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
1.919e+005



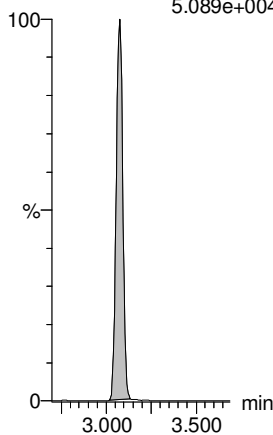
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
2.801e+004



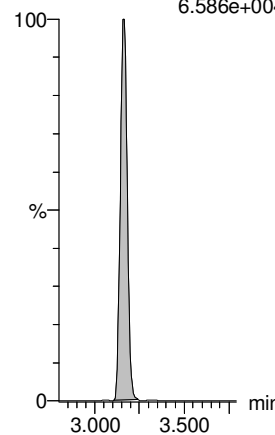
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
5.089e+004



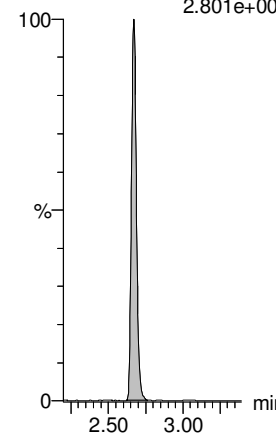
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
6.586e+004



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
2.801e+004



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-96.qld

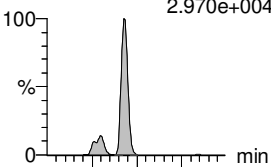
Last Altered: Tuesday, May 29, 2018 18:39:29 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 18:40:26 Pacific Daylight Time

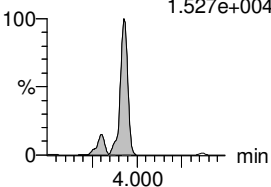
Name: 180528M1_96, Date: 29-May-2018, Time: 08:27:09, ID: B8E0210-BS1 OPR 0.125, Description: OPR

L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
2.970e+004

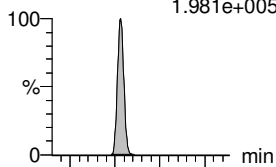


F18:MRM of 2 channels,ES-
398.9 > 99.0
1.527e+004

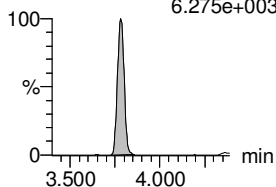


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
1.981e+005

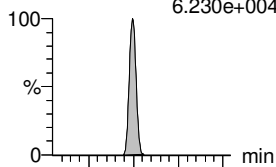


F16:MRM of 2 channels,ES-
363.0 > 169.0
6.275e+003

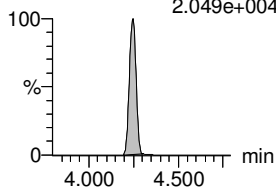


6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
6.230e+004

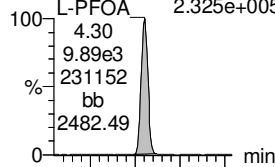


F24:MRM of 2 channels,ES-
427.1 > 80
2.049e+004

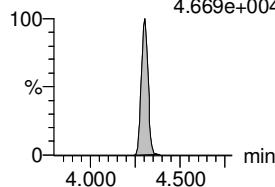


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
2.325e+005

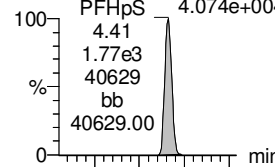


F21:MRM of 2 channels,ES-
413 > 169
4.669e+004

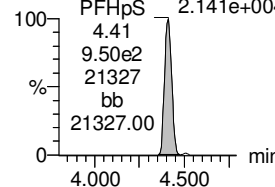


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
4.074e+004

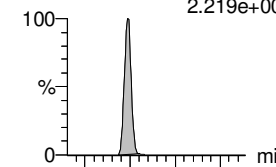


F26:MRM of 2 channels,ES-
449 > 98.7
2.141e+004

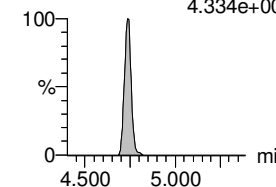


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
2.219e+005

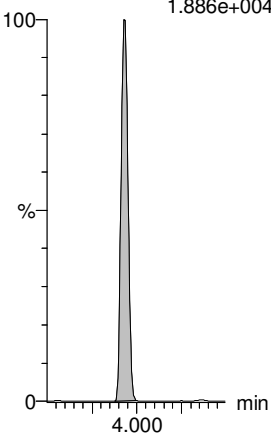


F27:MRM of 2 channels,ES-
463.0 > 219.0
4.334e+004



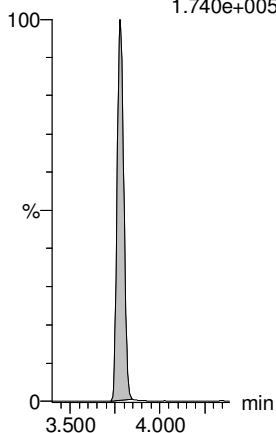
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
1.886e+004



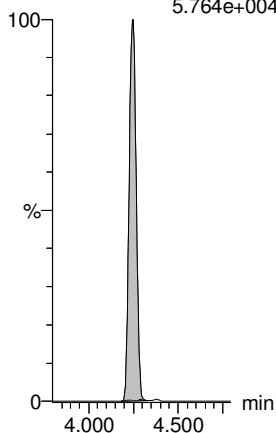
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.740e+005



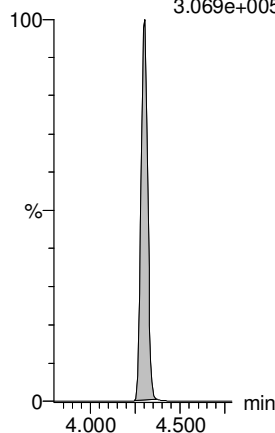
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
5.764e+004



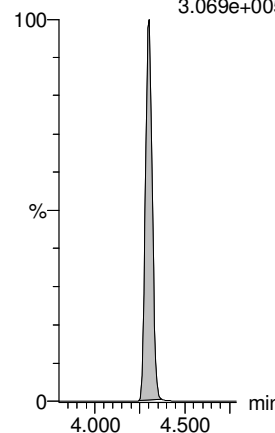
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.069e+005



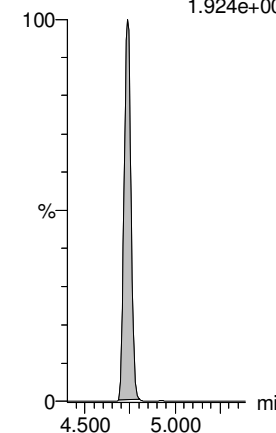
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.069e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.924e+005



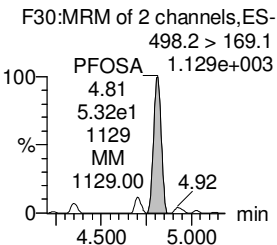
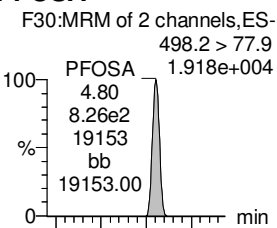
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-96.qld

Last Altered: Tuesday, May 29, 2018 18:39:29 Pacific Daylight Time

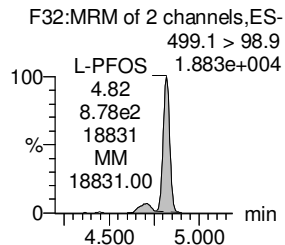
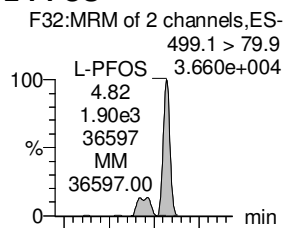
Printed: Tuesday, May 29, 2018 18:40:26 Pacific Daylight Time

Name: 180528M1_96, Date: 29-May-2018, Time: 08:27:09, ID: B8E0210-BS1 OPR 0.125, Description: OPR

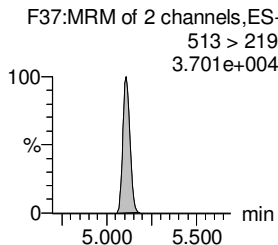
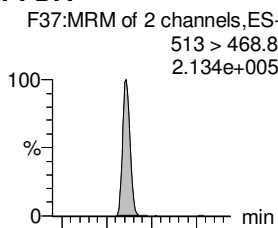
PFOSA



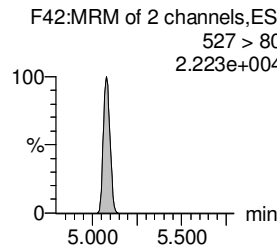
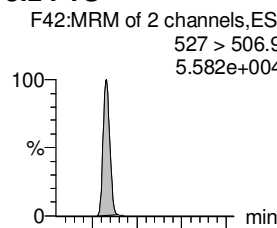
L-PFOS



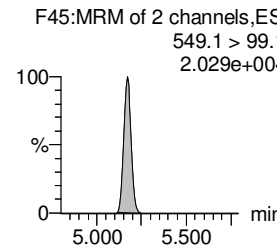
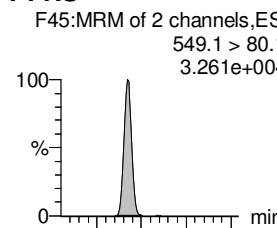
PFDA



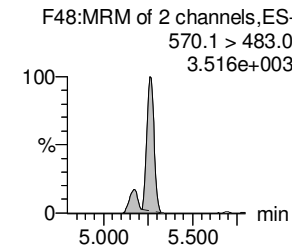
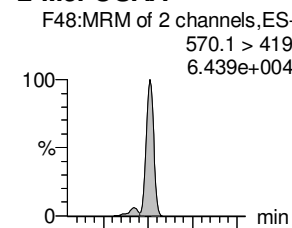
8:2 FTS



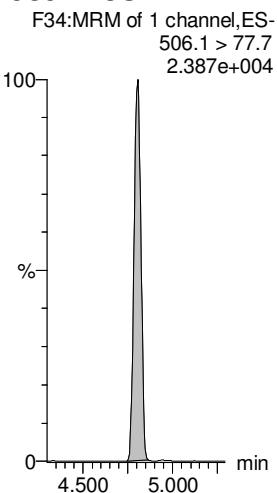
PFNS



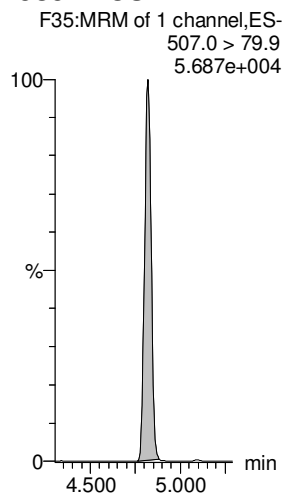
L-MeFOSAA



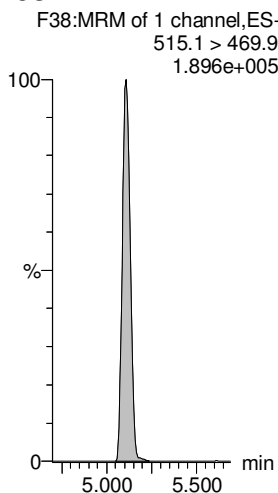
13C8-PFOSA



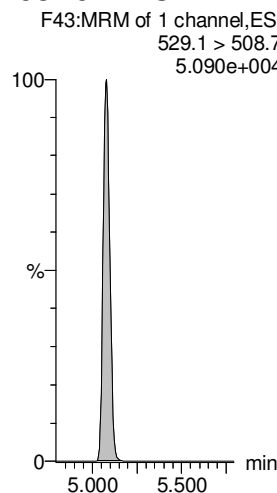
13C8-PFOS



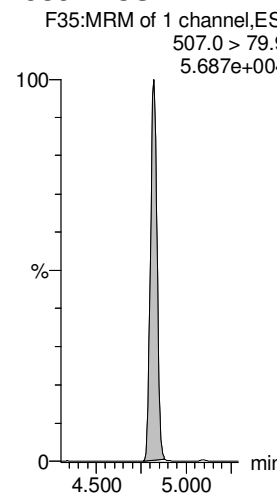
13C2-PFDA



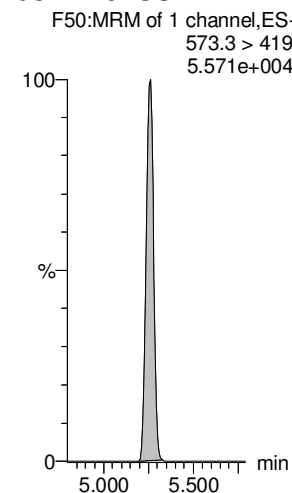
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

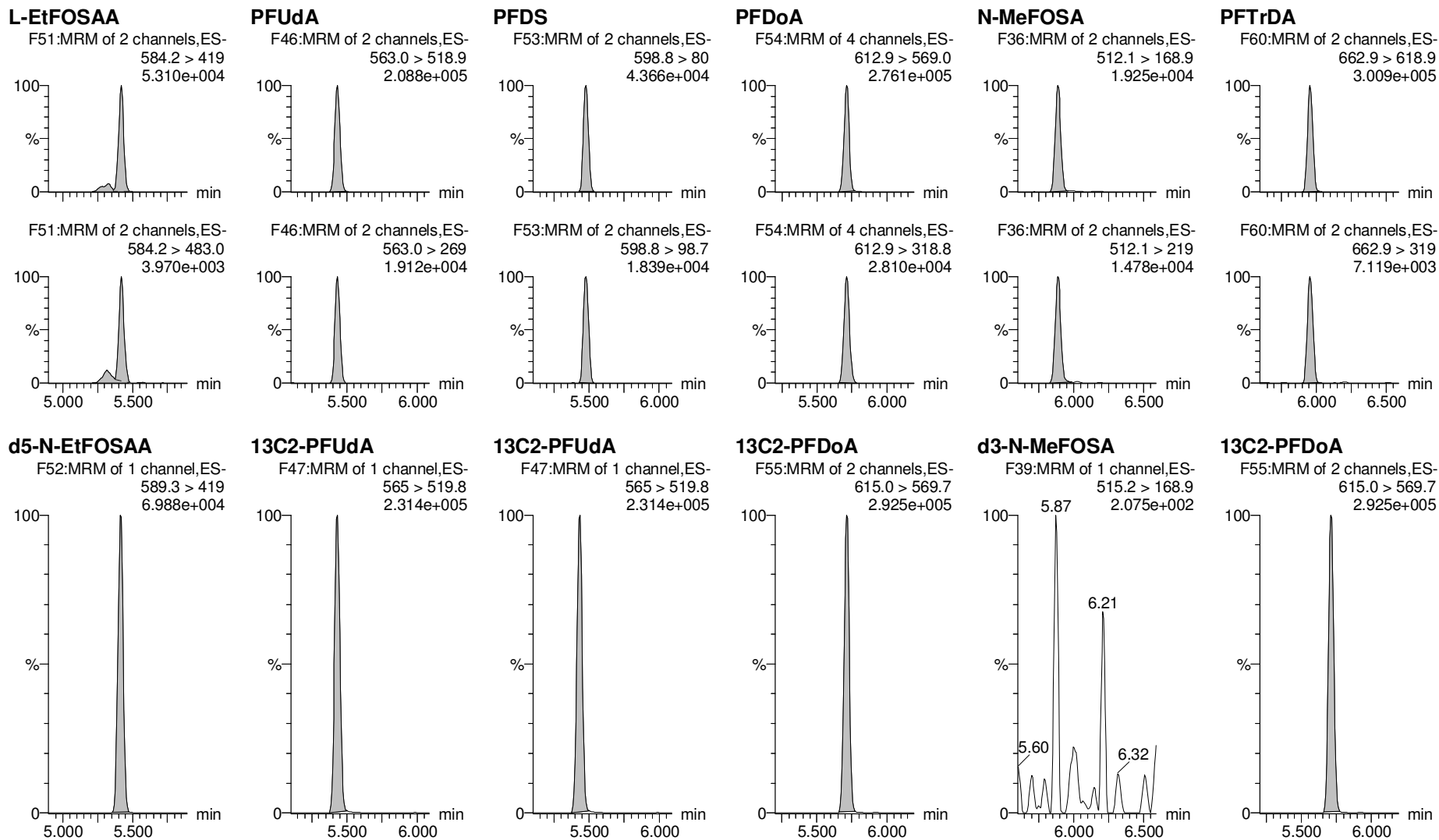


Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-96.qld

Last Altered: Tuesday, May 29, 2018 18:39:29 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 18:40:26 Pacific Daylight Time

Name: 180528M1_96, Date: 29-May-2018, Time: 08:27:09, ID: B8E0210-BS1 OPR 0.125, Description: OPR

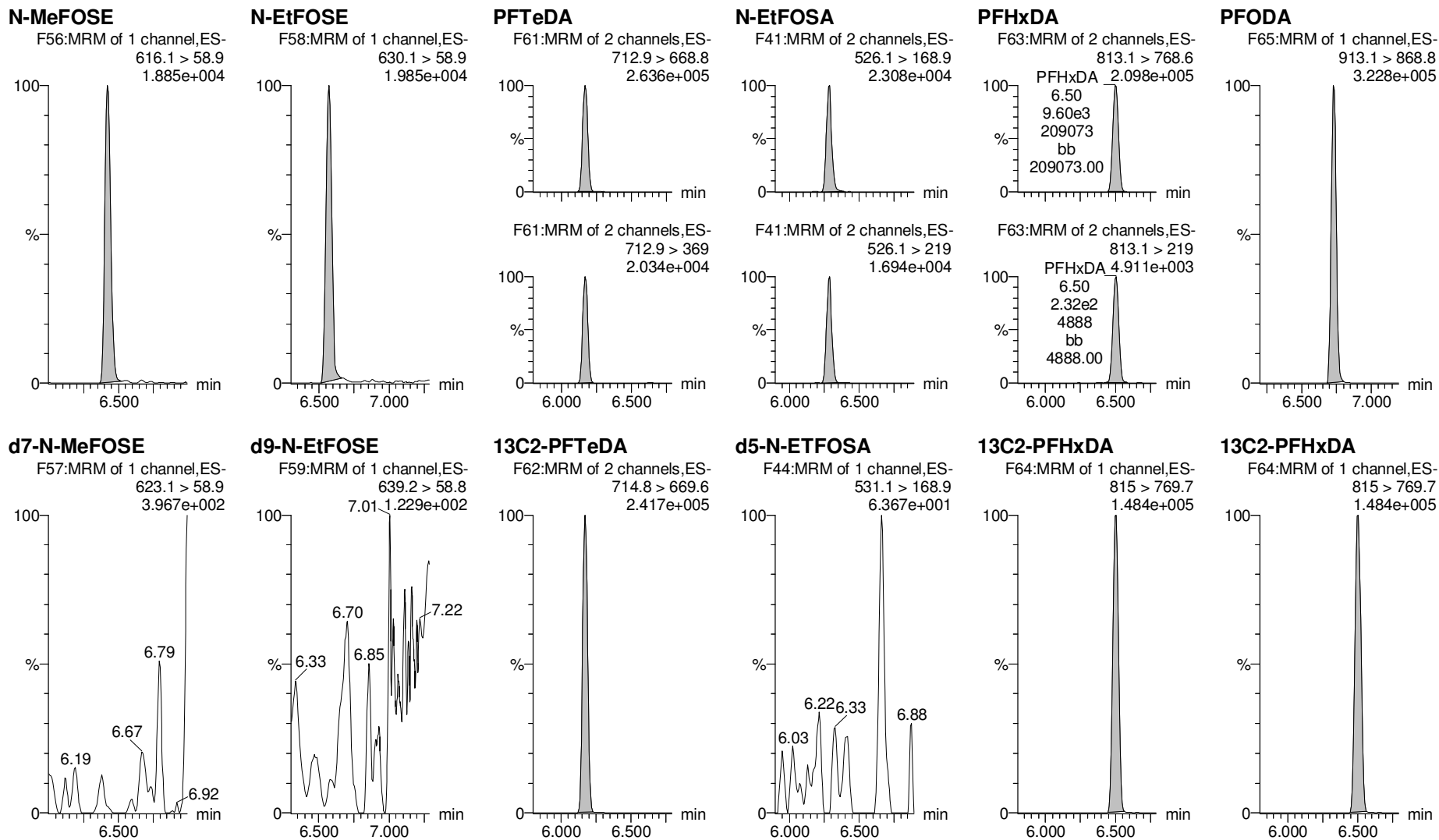


Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-96.qld

Last Altered: Tuesday, May 29, 2018 18:39:29 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 18:40:26 Pacific Daylight Time

Name: 180528M1_96, Date: 29-May-2018, Time: 08:27:09, ID: B8E0210-BS1 OPR 0.125, Description: OPR

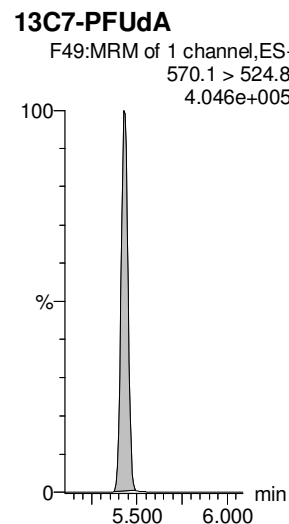
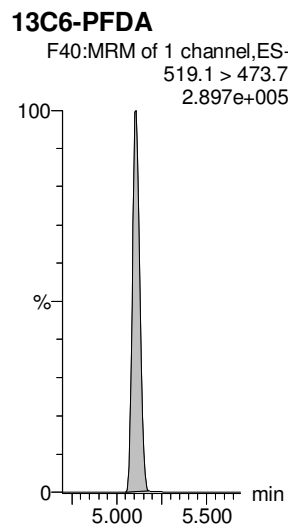
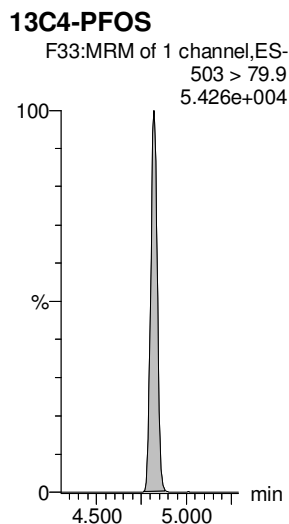
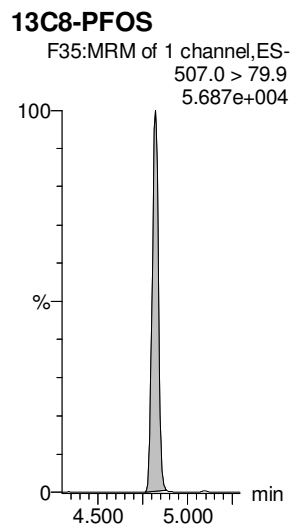
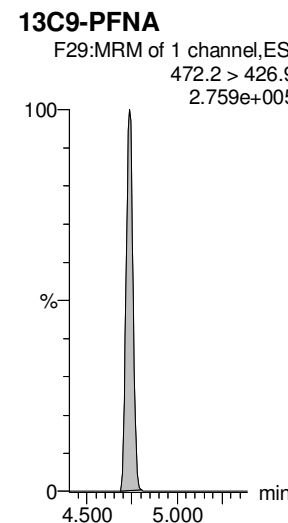
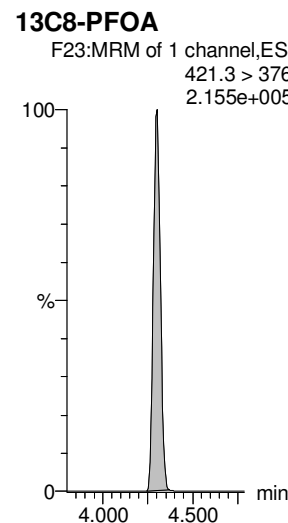
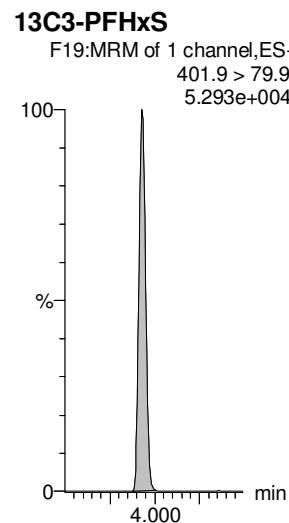
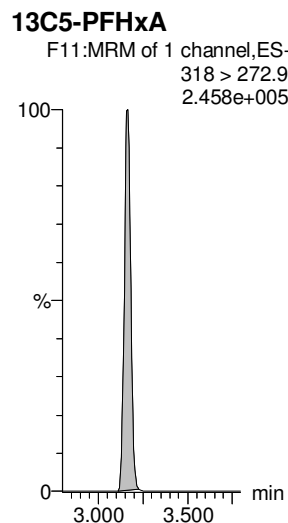
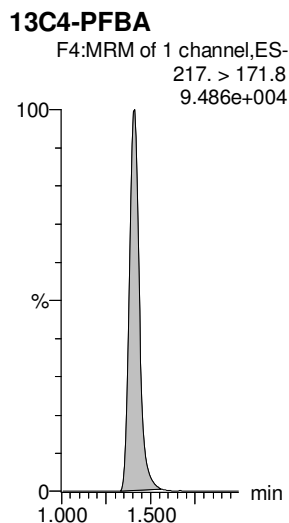
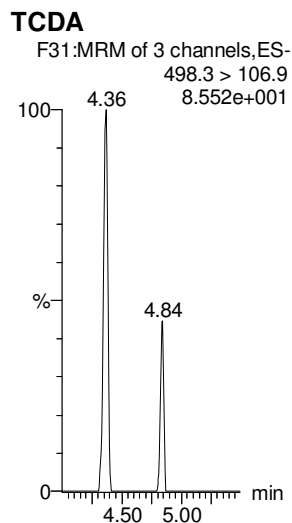


Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-96.qld

Last Altered: Tuesday, May 29, 2018 18:39:29 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 18:40:26 Pacific Daylight Time

Name: 180528M1_96, Date: 29-May-2018, Time: 08:27:09, ID: B8E0210-BS1 OPR 0.125, Description: OPR



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-16.qld

Last Altered: Tuesday, June 05, 2018 15:41:52 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 15:42:36 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_16, Date: 03-Jun-2018, Time: 20:37:28, ID: B8F0002-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	10 6:2 FTS	427.1 > 407		3.63e3	0.2500		4.19						
2	26 PFDS	598.8 > 80		2.01e4	0.2500		5.44						
3	43 13C2-6:2 FTS	429.1 > 408.9	3.63e3	1.61e4	0.2500	0.232	4.19	4.20	2.81	48.6	97.2		
4	52 13C2-PFUdA	565 > 519.8	2.01e4	2.57e4	0.2500	0.958	5.39	5.37	9.76	40.8	81.5		
5	63 13C8-PFOA	421.3 > 376	1.61e4	1.61e4	0.2500	1.000	4.25	4.25	12.5	50.0	100.0		
6	67 13C7-PFUdA	570.1 > 524.8	2.57e4	2.57e4	0.2500	1.000	5.39	5.37	12.5	50.0	100.0		

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-16.qld

Last Altered: Tuesday, June 05, 2018 15:41:52 Pacific Daylight Time

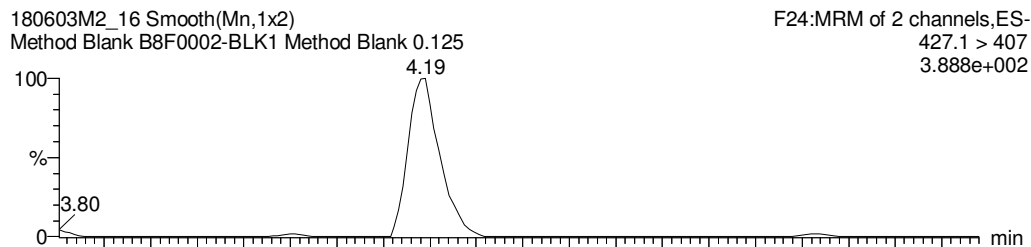
Printed: Tuesday, June 05, 2018 15:42:36 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

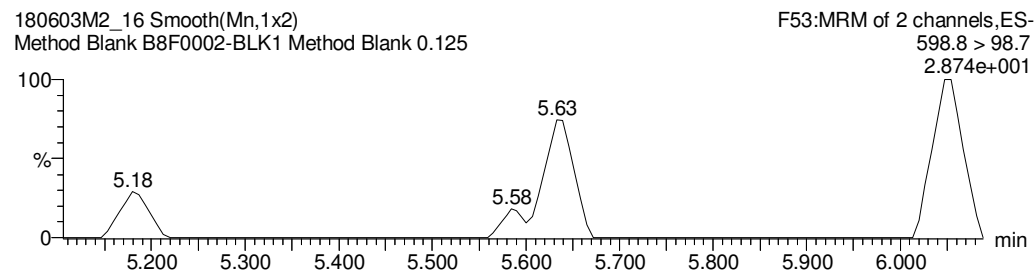
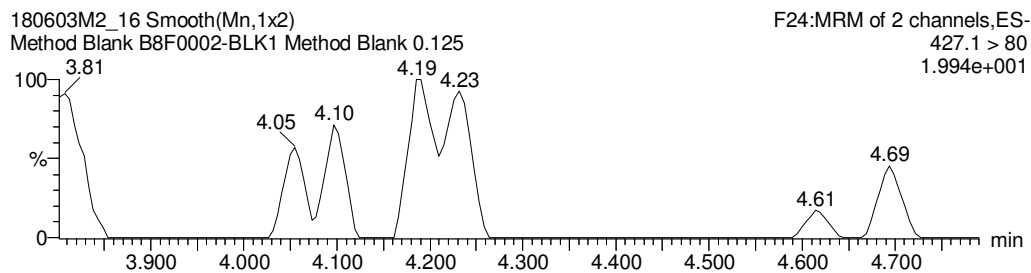
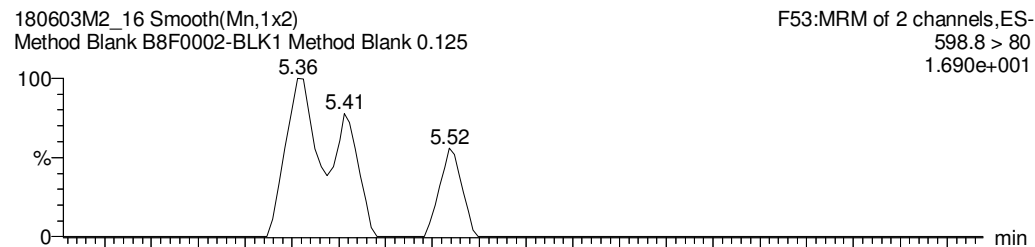
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_16, Date: 03-Jun-2018, Time: 20:37:28, ID: B8F0002-BLK1 Method Blank 0.125, Description: Method Blank

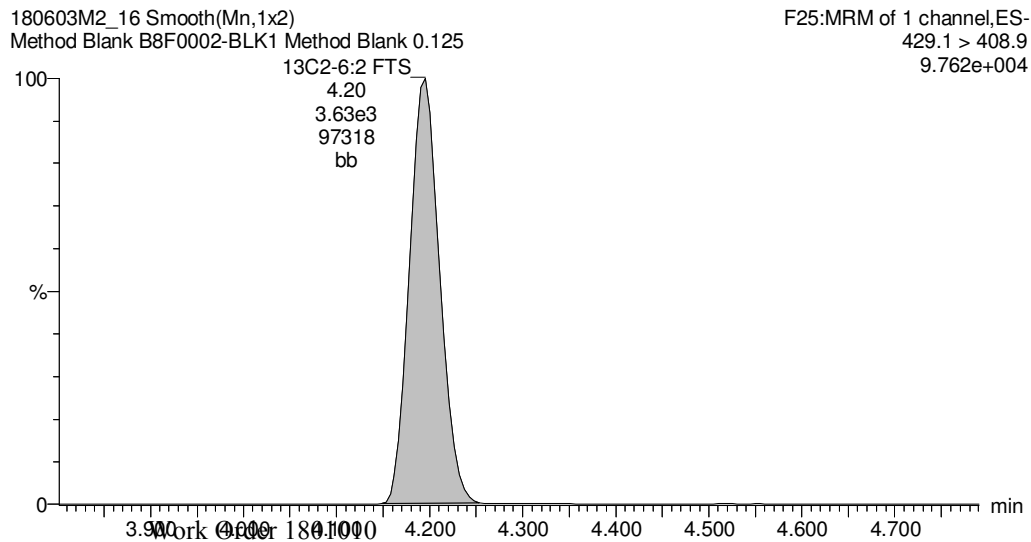
6:2 FTS



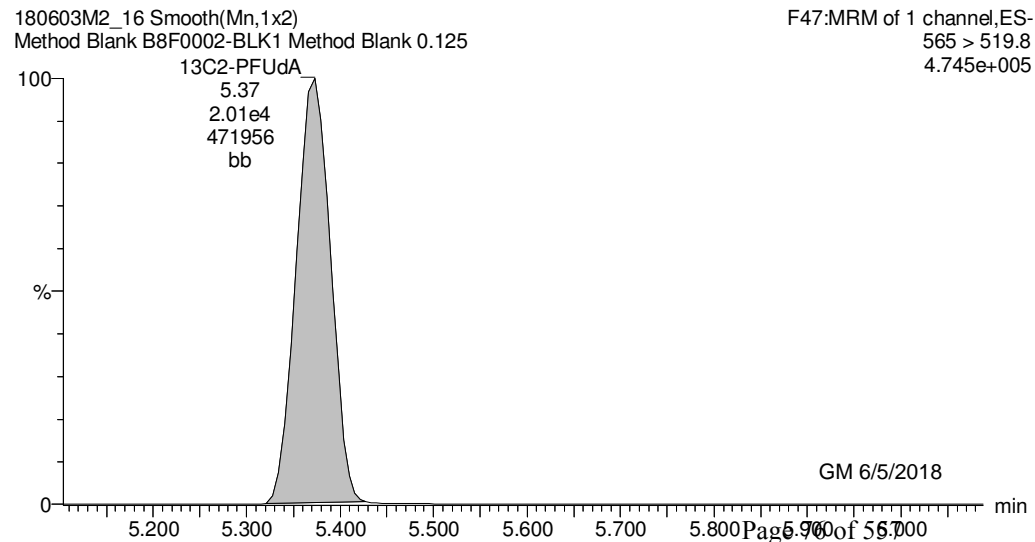
PFDS



13C2-6:2 FTS



13C2-PFUDa



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-16.qld

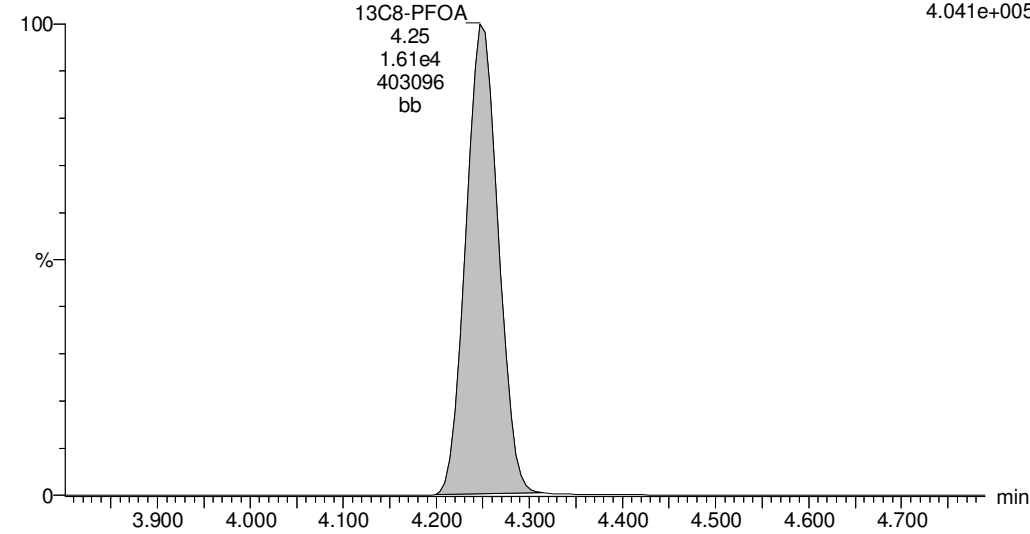
Last Altered: Tuesday, June 05, 2018 15:41:52 Pacific Daylight Time
Printed: Tuesday, June 05, 2018 15:42:36 Pacific Daylight Time

Name: 180603M2_16, Date: 03-Jun-2018, Time: 20:37:28, ID: B8F0002-BLK1 Method Blank 0.125, Description: Method Blank

13C8-PFOA

180603M2_16 Smooth(Mn,1x2)
Method Blank B8F0002-BLK1 Method Blank 0.125

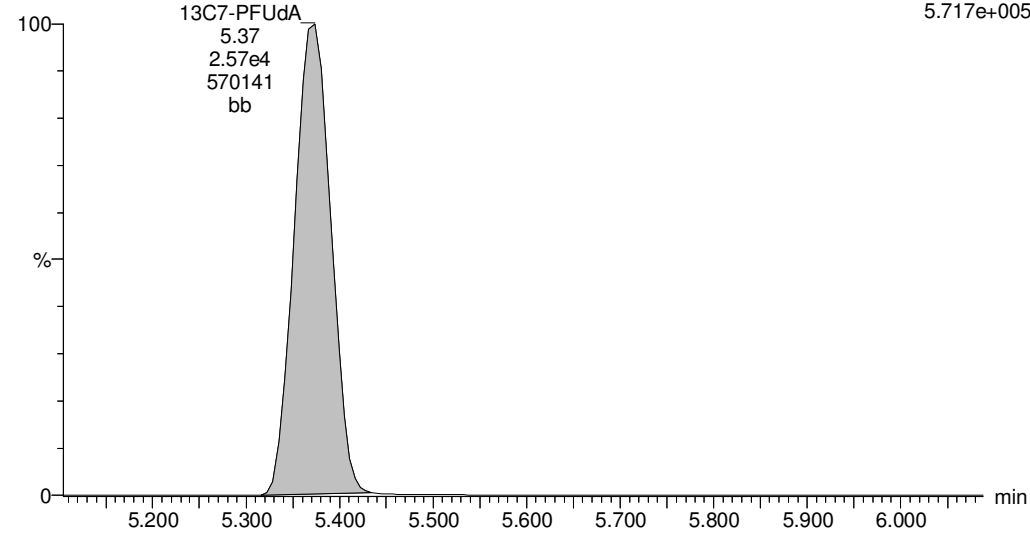
F23:MRM of 1 channel,ES-
421.3 > 376
4.041e+005



13C7-PFUdA

180603M2_16 Smooth(Mn,1x2)
Method Blank B8F0002-BLK1 Method Blank 0.125

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.717e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-15.qld

Last Altered: Tuesday, June 05, 2018 15:40:46 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 15:41:23 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_15, Date: 03-Jun-2018, Time: 20:27:03, ID: B8F0002-BS1 OPR 0.125, Description: OPR

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	10 6:2 FTS	427.1 > 407	3.04e3	3.35e3	0.2500		4.19	4.19	11.4	38.8	96.9	2.504	NO
2	26 PFDS	598.8 > 80	2.24e3	1.55e4	0.2500		5.44	5.42	1.82	47.9	119.8	2.062	NO
3	43 13C2-6:2 FTS	429.1 > 408.9	3.35e3	1.29e4	0.2500	0.232	4.19	4.19	3.23	55.9	111.7		
4	52 13C2-PFUdA	565 > 519.8	1.55e4	2.51e4	0.2500	0.958	5.39	5.37	7.70	32.1	64.3		
5	63 13C8-PFOA	421.3 > 376	1.29e4	1.29e4	0.2500	1.000	4.25	4.25	12.5	50.0	100.0		
6	67 13C7-PFUdA	570.1 > 524.8	2.51e4	2.51e4	0.2500	1.000	5.39	5.37	12.5	50.0	100.0		

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-15.qld

Last Altered: Tuesday, June 05, 2018 15:40:46 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 15:41:23 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

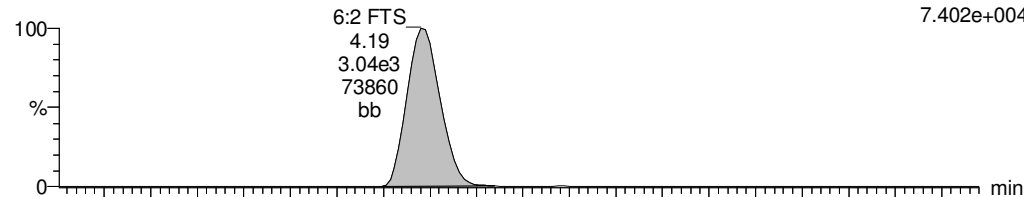
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_15, Date: 03-Jun-2018, Time: 20:27:03, ID: B8F0002-BS1 OPR 0.125, Description: OPR

6:2 FTS

180603M2_15 Smooth(Mn,1x2)
OPR B8F0002-BS1 OPR 0.125

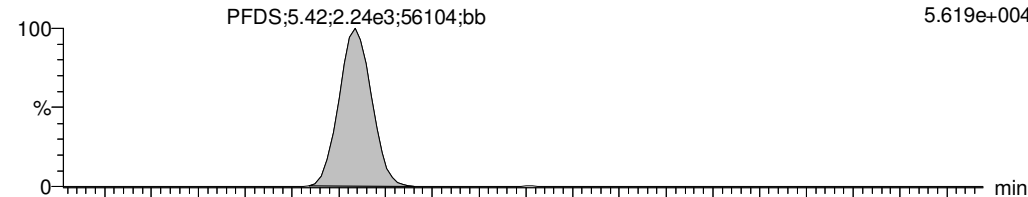
F24:MRM of 2 channels,ES-
427.1 > 407
7.402e+004



PFDS

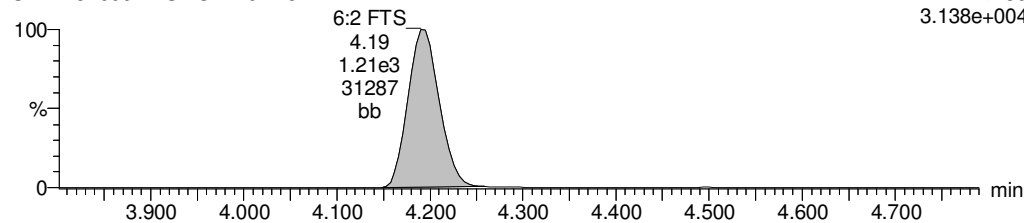
180603M2_15 Smooth(Mn,1x2)
OPR B8F0002-BS1 OPR 0.125

F53:MRM of 2 channels,ES-
598.8 > 80
5.619e+004



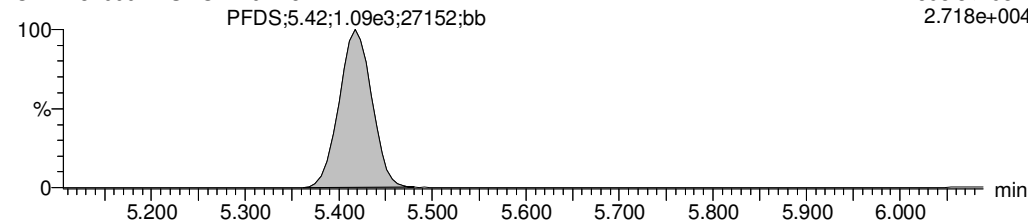
180603M2_15 Smooth(Mn,1x2)
OPR B8F0002-BS1 OPR 0.125

F24:MRM of 2 channels,ES-
427.1 > 80
3.138e+004



180603M2_15 Smooth(Mn,1x2)
OPR B8F0002-BS1 OPR 0.125

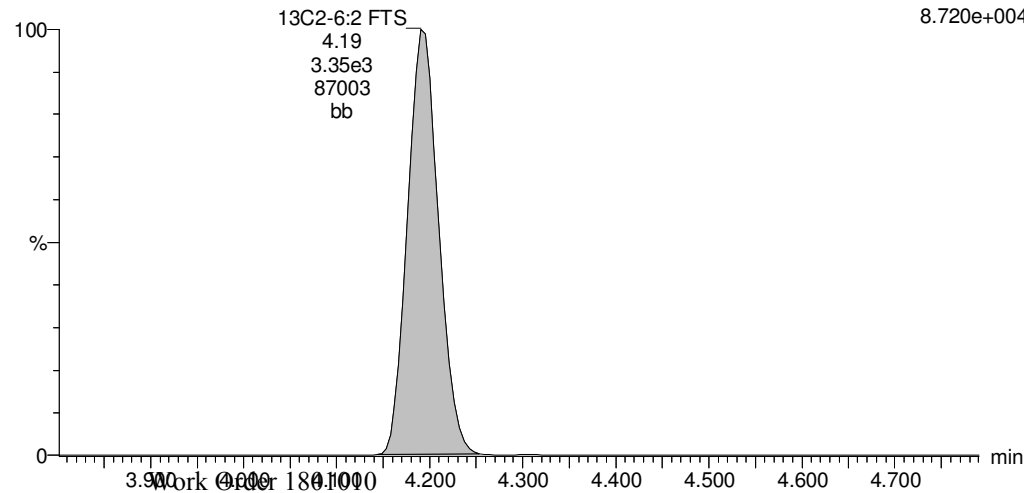
F53:MRM of 2 channels,ES-
598.8 > 98.7
2.718e+004



13C2-6:2 FTS

180603M2_15 Smooth(Mn,1x2)
OPR B8F0002-BS1 OPR 0.125

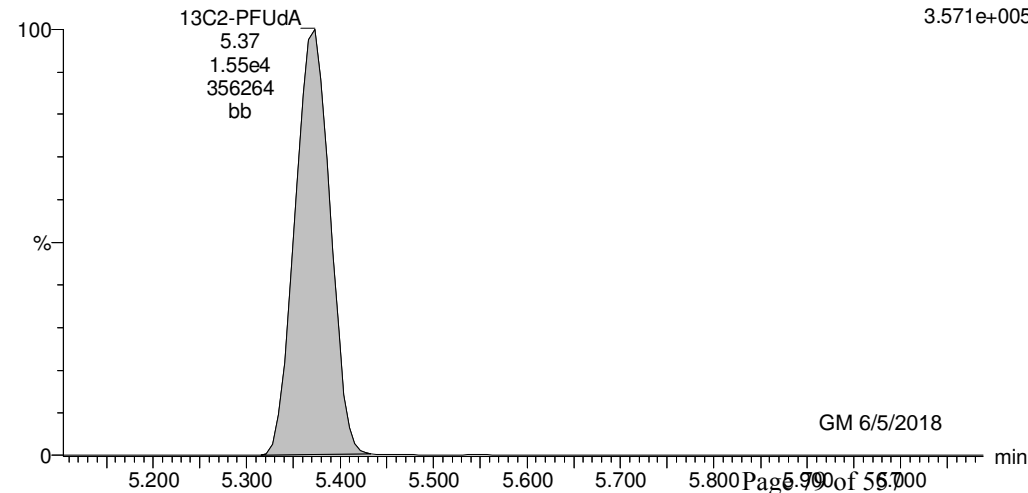
F25:MRM of 1 channel,ES-
429.1 > 408.9
8.720e+004



13C2-PFUDa

180603M2_15 Smooth(Mn,1x2)
OPR B8F0002-BS1 OPR 0.125

F47:MRM of 1 channel,ES-
565 > 519.8
3.571e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-15.qld

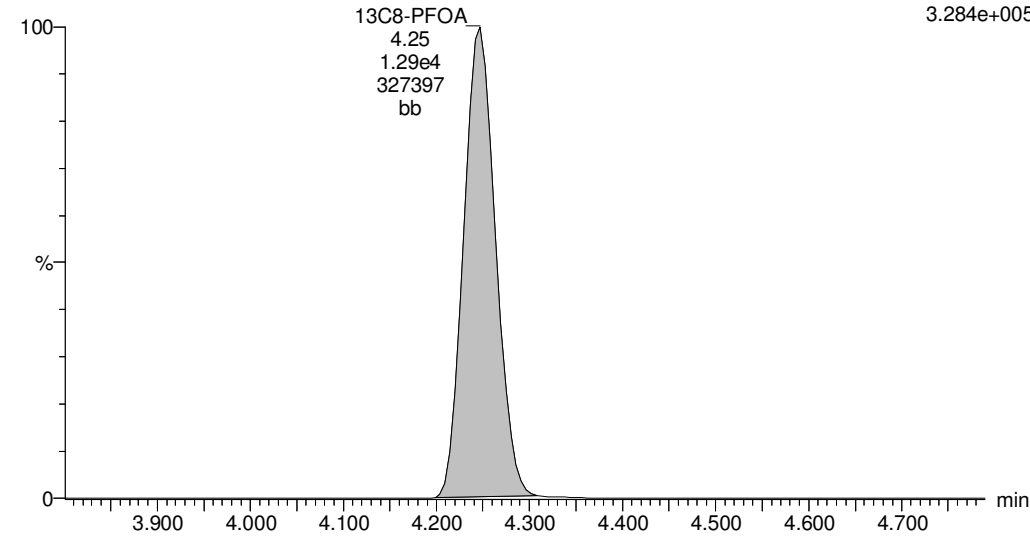
Last Altered: Tuesday, June 05, 2018 15:40:46 Pacific Daylight Time
Printed: Tuesday, June 05, 2018 15:41:23 Pacific Daylight Time

Name: 180603M2_15, Date: 03-Jun-2018, Time: 20:27:03, ID: B8F0002-BS1 OPR 0.125, Description: OPR

13C8-PFOA

180603M2_15 Smooth(Mn,1x2)
OPR B8F0002-BS1 OPR 0.125

F23:MRM of 1 channel,ES-
421.3 > 376
3.284e+005

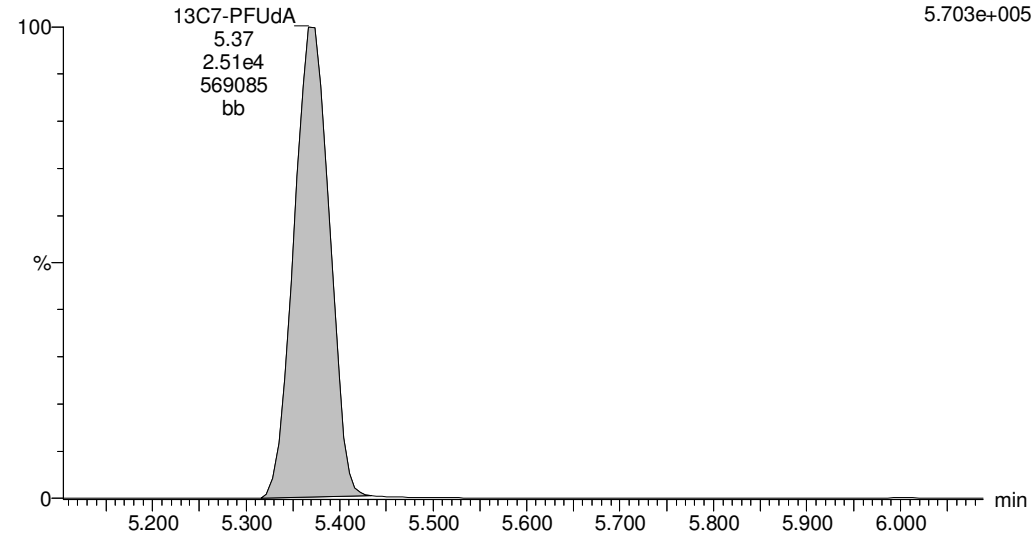


13C8-PFOA
4.25
1.29e4
327397
bb

13C7-PFUdA

180603M2_15 Smooth(Mn,1x2)
OPR B8F0002-BS1 OPR 0.125

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.703e+005



13C7-PFUdA
5.37
2.51e4
569085
bb

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-98.qld

Last Altered: Wednesday, May 30, 2018 10:38:18 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:40:32 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_98, Date: 29-May-2018, Time: 08:48:10, ID: 1801010-01 GSUMW0050510180516GSC 0.125, Description: GSUMW0050510180516GSC

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	1.66e3	4.57e3	0.2518		1.40	1.40	4.53	15.866			
2	2 PFPeA	263.1 > 218.9	4.28e2	6.81e3	0.2518		2.39	2.38	0.785	3.304			
3	3 PFBS	299.0 > 79.7	2.68e2	9.90e2	0.2518		2.68	2.68	3.39	7.159		2.517	NO
4	4 4:2 FTS	327.2>307.2		1.93e3	0.2518		3.07						
5	5 PFHxA	313.2 > 268.9		2.42e3	0.2518		3.16						
6	6 PFPeS	349.1>80.1		9.90e2	0.2518		3.37						
7	7 PFHpA	363.0 > 318.9		6.56e3	0.2518		3.78						
8	8 L-PFHxS	398.9 > 79.6	1.26e2	8.33e2	0.2518		3.93	3.93	1.89	4.052		1.185	NO
9	9 Br-PFHxS	398.9 > 79.6	4.03e1	8.33e2	0.2518		3.80	3.80	0.604	1.184		11.289	YES
10	10 6:2 FTS	427.1 > 407	9.01e0	2.15e3	0.2518		4.23	4.25	0.0523			0.911	YES
11	11 L-PFOA	413 > 368.7	8.00e2	1.14e4	0.2518		4.40	4.30	0.874	3.561		5.309	NO
12	12 Br-PFOA	413 > 368.7	1.25e2	1.14e4	0.2518		4.29	4.18	0.137	0.019		2.030	NO
13	13 PFHpS	449 > 80.0		1.14e4	0.2518		4.40						
14	14 PFNA	463.0 > 418.8		9.88e3	0.2518		4.73						
15	15 PFOSA	498.2 > 77.9		1.63e3	0.2518		4.79						
16	16 L-PFOS	499.1 > 79.9	2.60e1	2.00e3	0.2518		4.81	4.82	0.162	0.591		3.519	YES
17	17 Br-PFOS	499.1 > 79.9	9.73e1	2.00e3	0.2518		4.67	4.68	0.609	2.673		4.354	NO
18	18 PFDA	513 > 468.8		1.29e4	0.2518		5.10						
19	19 8:2 FTS	527 > 506.9		1.99e3	0.2518		5.07						
20	20 PFNS	549.1>80.1		2.00e3	0.2518		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.70e3	0.2518		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.70e3	0.2518		5.16						
23	23 L-EtFOSAA	584.2 > 419		3.55e3	0.2518		5.41						
24	24 Br-ETFOSAA	584.2 > 419		3.55e3	0.2518		5.32						
25	25 PFUdA	563.0 > 518.9		1.37e4	0.2518		5.42						
26	26 PFDS	598.8 > 80		1.37e4	0.2518		5.47						
27	27 PFDoA	612.9 > 569.0		1.32e4	0.2518		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.32e4	0.2518		5.95						
29	30 PFTeDA	712.9 > 668.8		9.52e3	0.2518		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.57e3	5.97e3	0.2518	0.847	1.39	1.41	9.57	44.871	90.4		
31	37 13C3-PFPeA	266. > 221.8	6.81e3	9.29e3	0.2518	0.852	2.37	2.38	9.17	42.733	86.1		
32	38 13C3-PFBS	302. > 98.8	9.90e2	9.29e3	0.2518	0.102	2.66	2.68	1.33	52.109	105.0		GM 5/30/2018

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#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.93e3	9.29e3	0.2518	0.233	3.06	3.07	2.60	44.278	89.2	
34	40	13C2-PFHxA	315 > 269.8	2.42e3	9.29e3	0.2518	0.720	3.15	3.17	3.26	17.967	90.5	
35	41	13C4-PFHpA	367.2 > 321.8	6.56e3	9.29e3	0.2518	0.795	3.76	3.78	8.83	44.125	88.9	
36	42	18O2-PFHxS	403.0 > 102.6	8.33e2	2.14e3	0.2518	0.421	3.92	3.93	4.86	45.915	92.5	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.15e3	9.05e3	0.2518	0.280	4.23	4.25	2.98	42.135	84.9	
38	44	13C2-PFOA	414.9 > 369.7	1.14e4	9.05e3	0.2518	1.477	4.29	4.30	15.8	42.453	85.5	
39	45	13C5-PFNA	468.2 > 422.9	9.88e3	1.28e4	0.2518	0.955	4.73	4.74	9.65	40.137	80.8	
40	46	13C8-PFOSA	506.1 > 77.7	1.63e3	1.72e4	0.2518	0.151	4.79	4.80	1.18	31.106	62.7	
41	47	13C8-PFOS	507.0 > 79.9	2.00e3	2.19e3	0.2518	1.023	4.81	4.82	11.4	44.323	89.3	
42	48	13C2-PFDA	515.1 > 469.9	1.29e4	1.34e4	0.2518	1.200	5.10	5.11	12.0	39.786	80.1	
43	49	13C2-8:2 FTS	529.1 > 508.7	1.99e3	9.29e3	0.2518	0.224	5.07	5.08	2.68	47.478	95.6	
44	50	d3-N-MeFOSAA	573.3 > 419	2.70e3	1.72e4	0.2518	0.231	5.25	5.26	1.96	33.640	67.8	
45	51	d5-N-EtFOSAA	589.3 > 419	3.55e3	1.72e4	0.2518	0.259	5.41	5.42	2.57	39.549	79.7	
46	52	13C2-PFUdA	565 > 519.8	1.37e4	1.72e4	0.2518	0.996	5.42	5.43	9.94	39.633	79.8	
47	53	13C2-PFDoA	615.0 > 569.7	1.32e4	1.34e4	0.2518	1.247	5.70	5.71	12.3	39.249	79.1	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.72e4	0.2518	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	9.52e3	1.72e4	0.2518	0.792	6.17	6.17	6.91	34.665	69.8	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.72e4	0.2518	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	6.38e3	1.72e4	0.2518	1.211	6.50	6.50	4.63	15.191	76.5	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.72e4	0.2518	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.72e4	0.2518	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	5.97e3	5.97e3	0.2518	1.000	1.39	1.41	12.5	49.648	100.0	
55	61	13C5-PFHxA	318 > 272.9	9.29e3	9.29e3	0.2518	1.000	3.14	3.17	12.5	49.648	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.14e3	2.14e3	0.2518	1.000	3.92	3.93	12.5	49.648	100.0	
57	63	13C8-PFOA	421.3 > 376	9.05e3	9.05e3	0.2518	1.000	4.29	4.30	12.5	49.648	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.28e4	1.28e4	0.2518	1.000	4.72	4.74	12.5	49.648	100.0	
59	65	13C4-PFOS	503 > 79.9	2.19e3	2.19e3	0.2518	1.000	4.81	4.82	12.5	49.648	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.34e4	1.34e4	0.2518	1.000	5.10	5.11	12.5	49.648	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.72e4	1.72e4	0.2518	1.000	5.42	5.43	12.5	49.648	100.0	
62	68	Total PFHxS	398.9 > 79.6	1.66e2	8.33e2	0.2518		4.05		2.49	5.235		
63	69	Total PFOA	413 > 368.7	9.25e2	1.14e4	0.2518		4.30		1.01	3.580		
64	70	Total PFOS	499.1 > 79.9	1.23e2	2.00e3	0.2518		4.90		0.772	3.264		
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.70e3	0.2518		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.55e3	0.2518		5.70		0.000			

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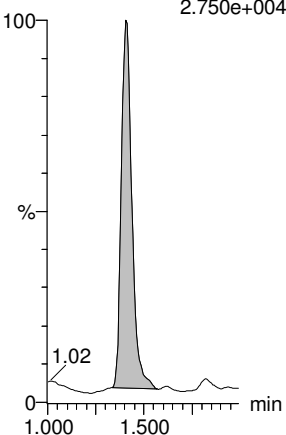
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Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_98, Date: 29-May-2018, Time: 08:48:10, ID: 1801010-01 GSUMW0050510180516GSC 0.125, Description: GSUMW0050510180516GSC

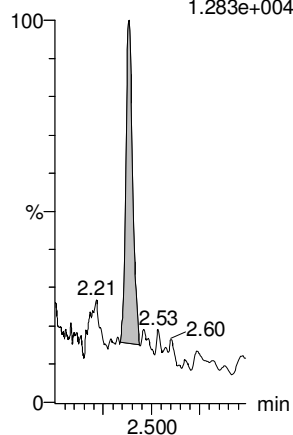
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
2.750e+004



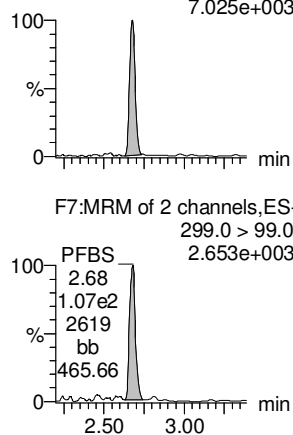
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
1.283e+004



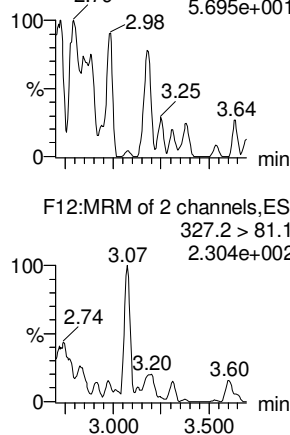
PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
7.025e+003



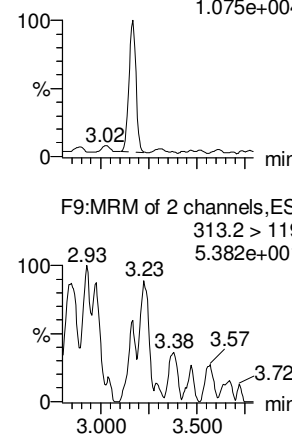
4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
5.695e+001



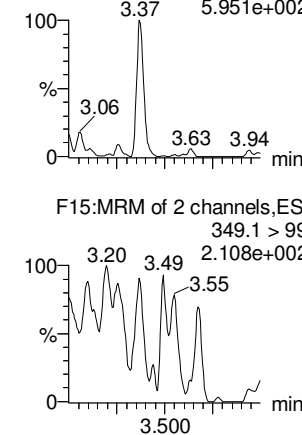
PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
1.075e+004



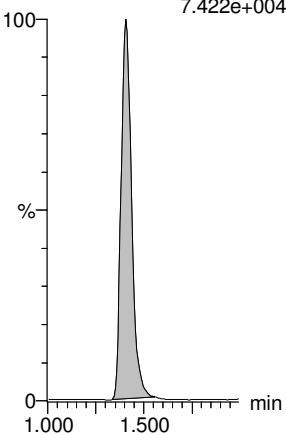
PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
5.951e+002



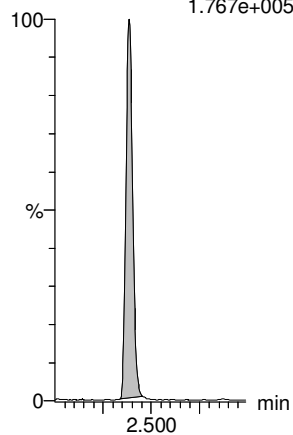
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
7.422e+004



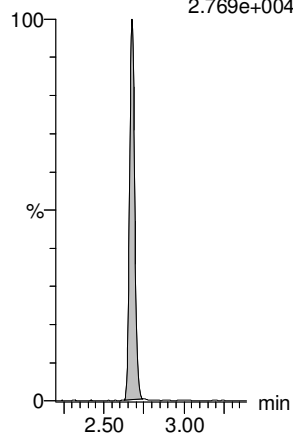
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
1.767e+005



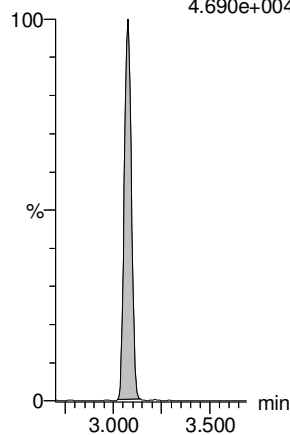
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
2.769e+004



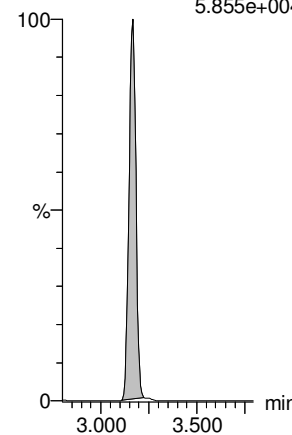
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
4.690e+004



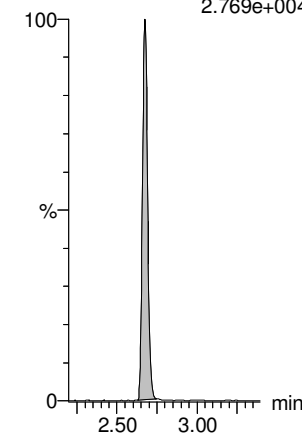
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
5.855e+004



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
2.769e+004



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L-PFHxS

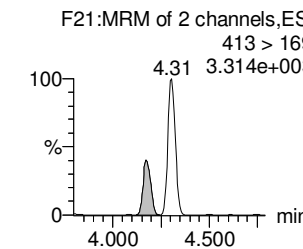
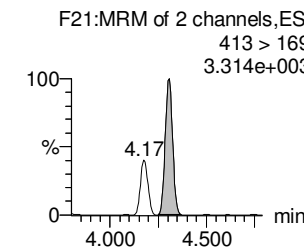
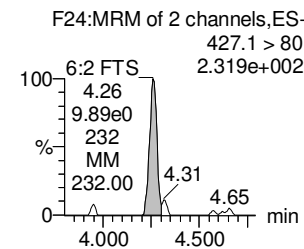
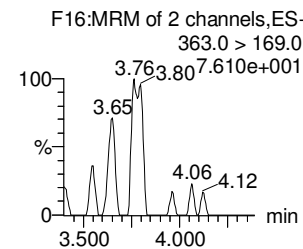
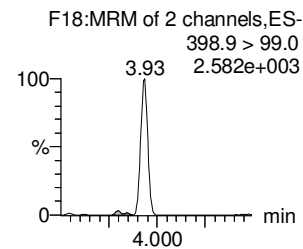
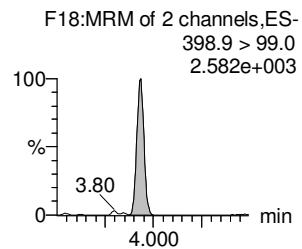
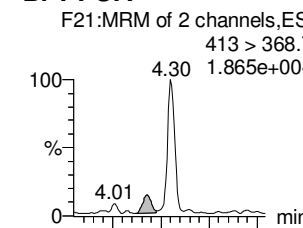
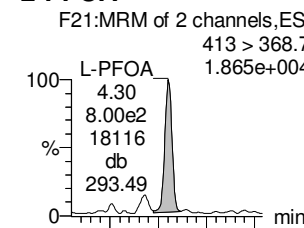
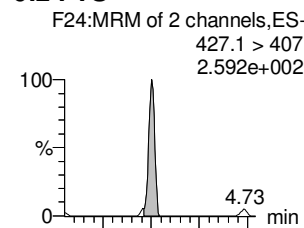
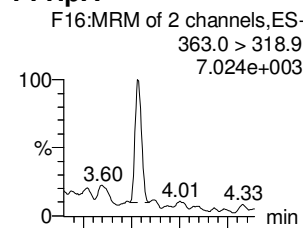
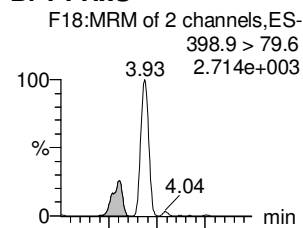
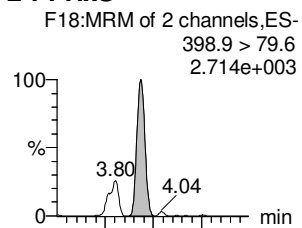
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

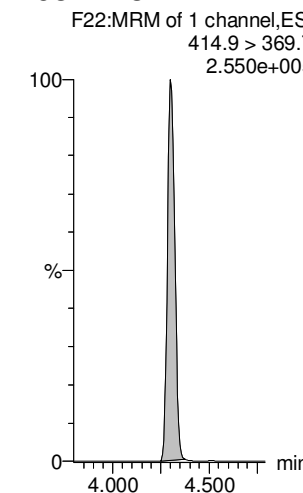
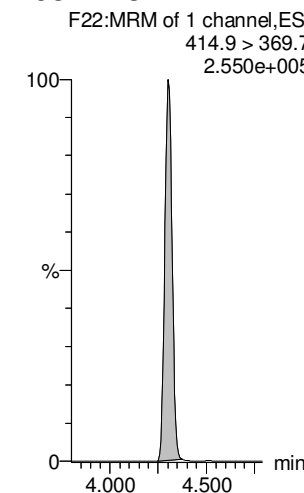
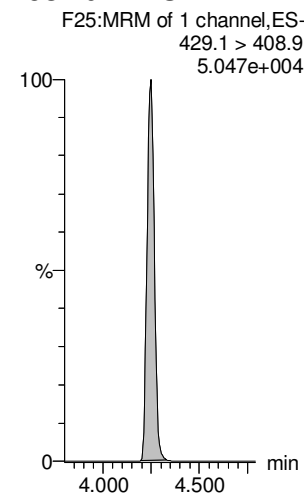
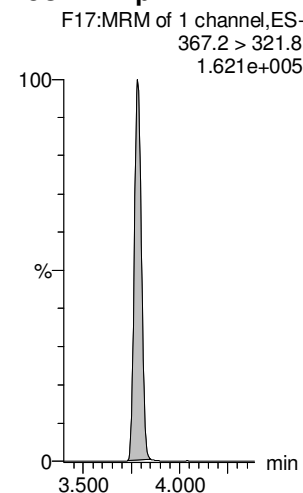
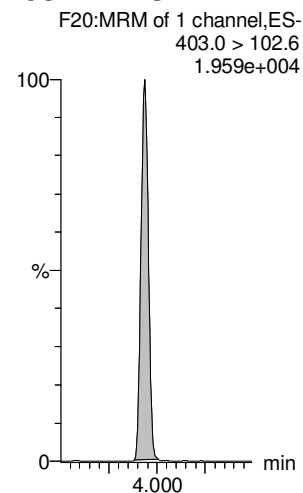
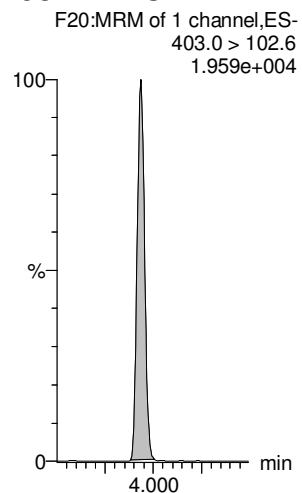
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



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PFHpS

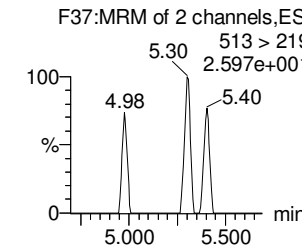
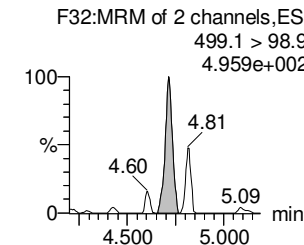
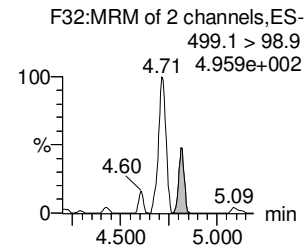
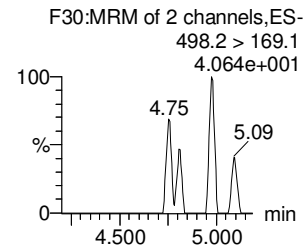
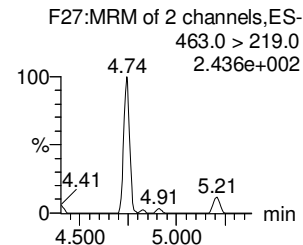
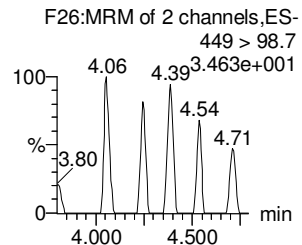
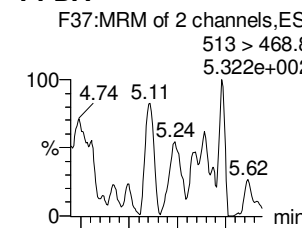
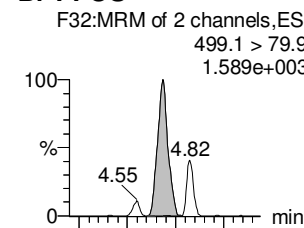
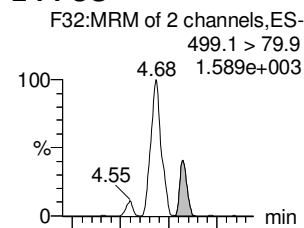
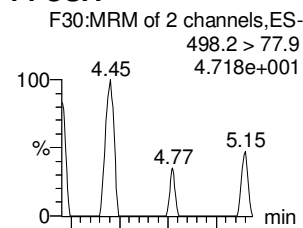
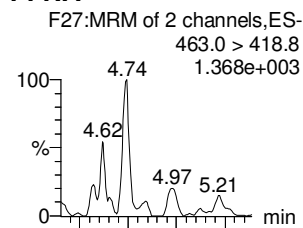
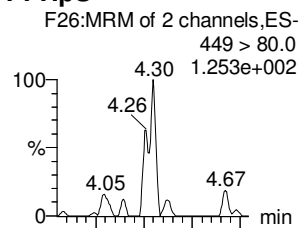
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

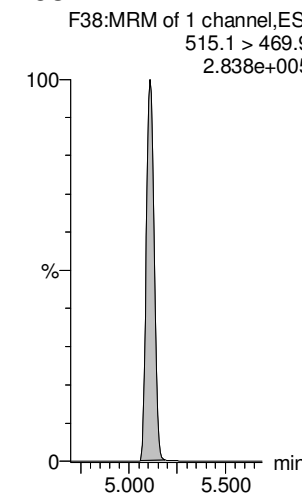
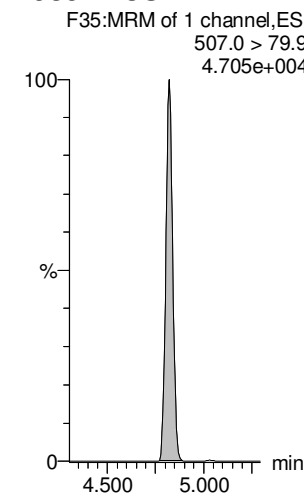
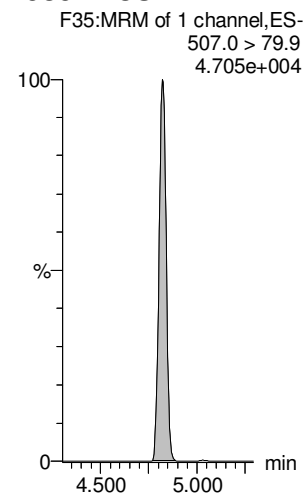
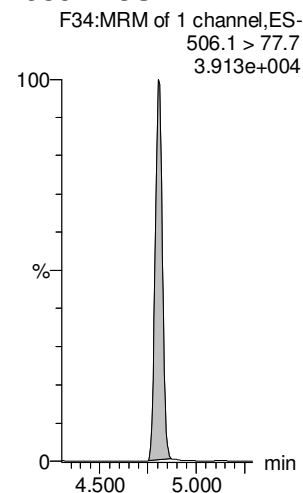
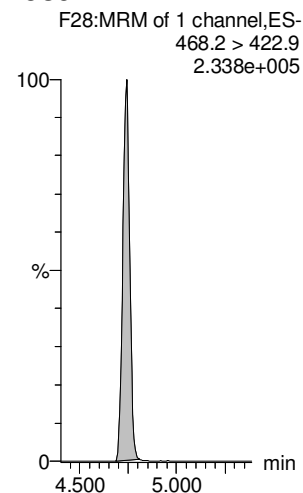
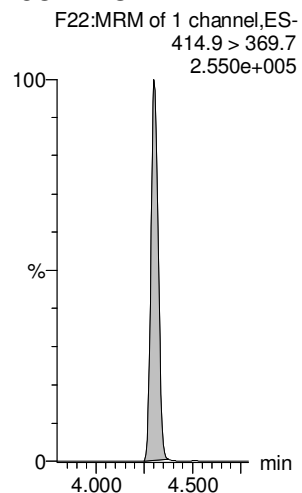
13C5-PFNA

13C8-PFOA

13C8-PFOS

13C8-PFOS

13C2-PFDA



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8:2 FTS

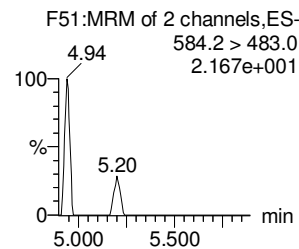
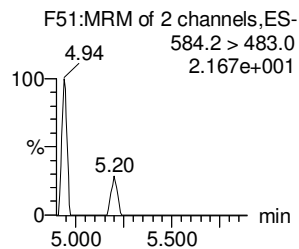
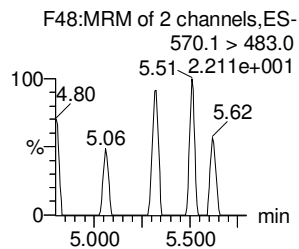
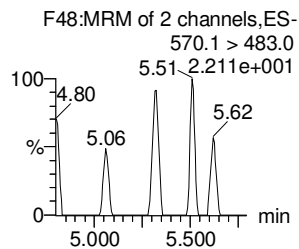
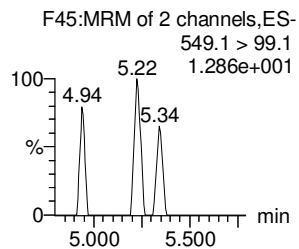
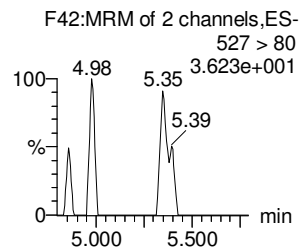
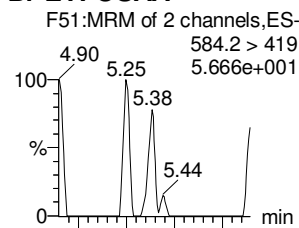
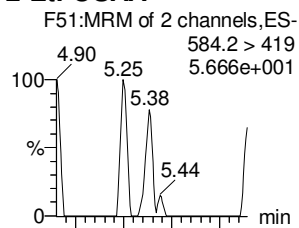
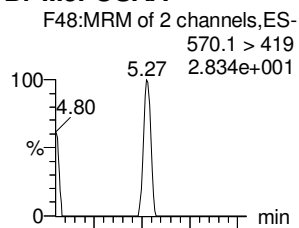
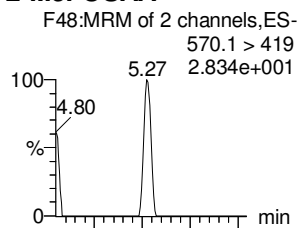
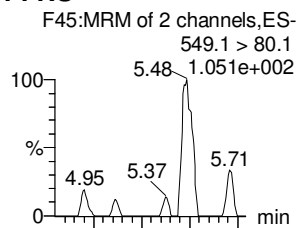
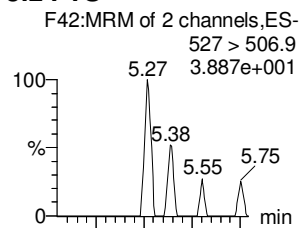
PFNS

L-MeFOSAA

Br-MeFOSAA

L-EtFOSAA

Br-ETFOSAA



13C2-8:2 FTS

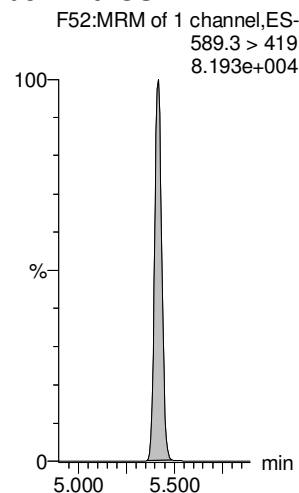
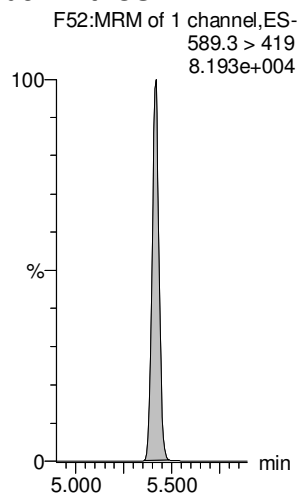
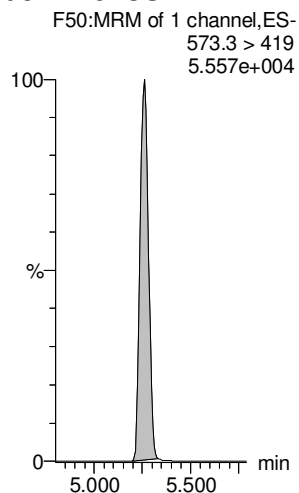
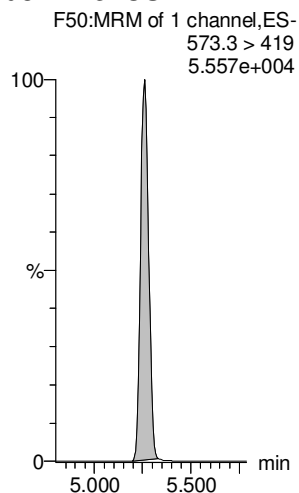
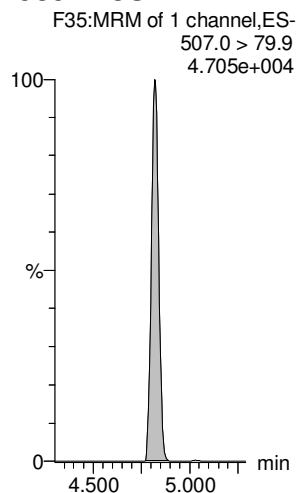
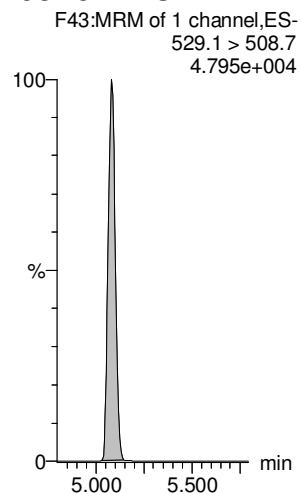
13C8-PFOS

d3-N-MeFOSAA

d3-N-MeFOSAA

d5-N-EtFOSAA

d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-98.qld

Last Altered: Wednesday, May 30, 2018 10:38:18 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:40:32 Pacific Daylight Time

Name: 180528M1_98, Date: 29-May-2018, Time: 08:48:10, ID: 1801010-01 GSUMW0050510180516GSC 0.125, Description: GSUMW0050510180516GSC

PFUdA

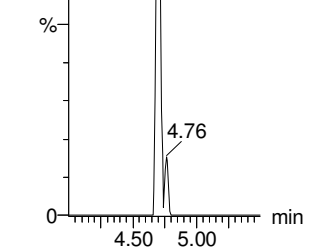
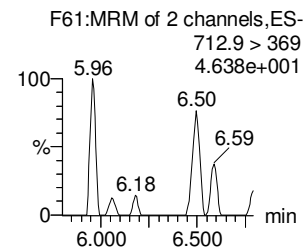
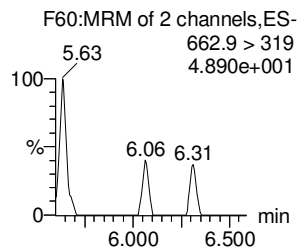
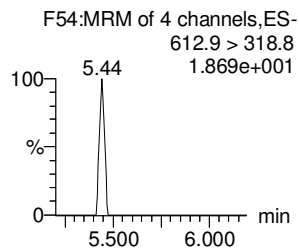
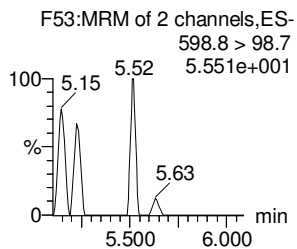
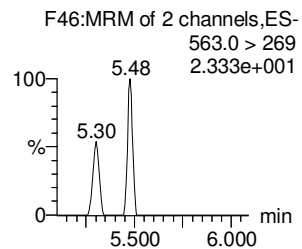
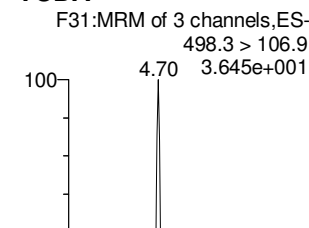
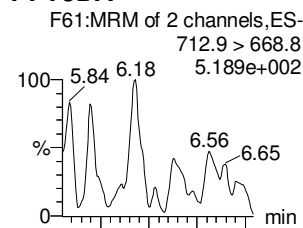
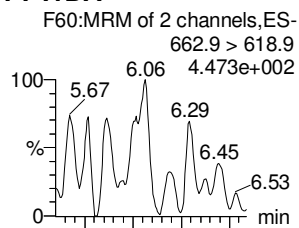
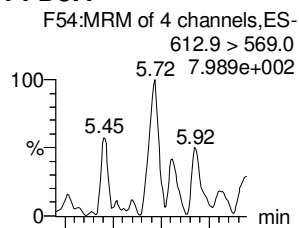
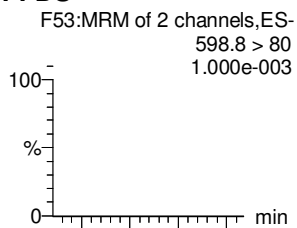
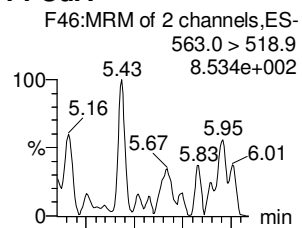
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

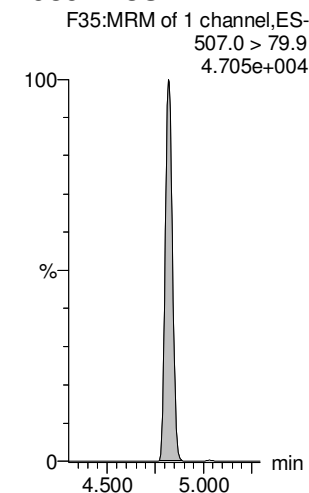
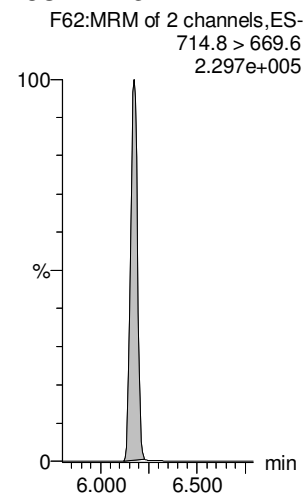
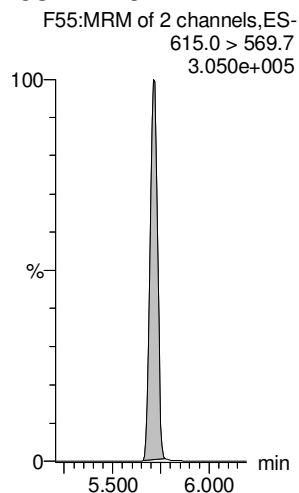
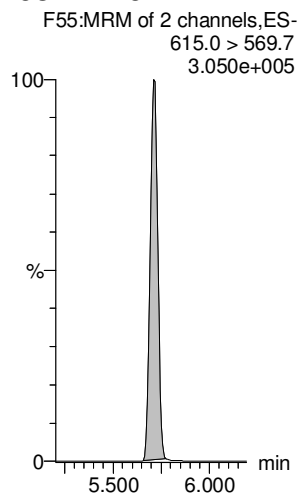
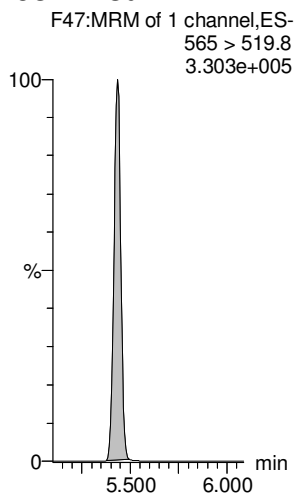
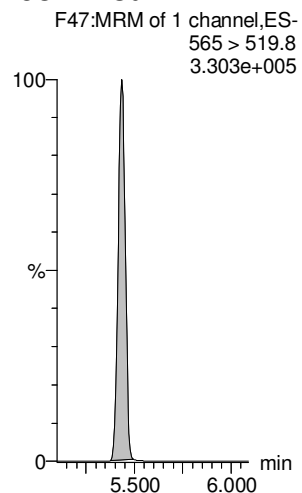
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-98.qld

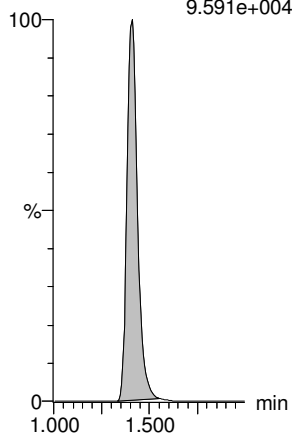
Last Altered: Wednesday, May 30, 2018 10:38:18 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:40:32 Pacific Daylight Time

Name: 180528M1_98, Date: 29-May-2018, Time: 08:48:10, ID: 1801010-01 GSUMW0050510180516GSC 0.125, Description: GSUMW0050510180516GSC

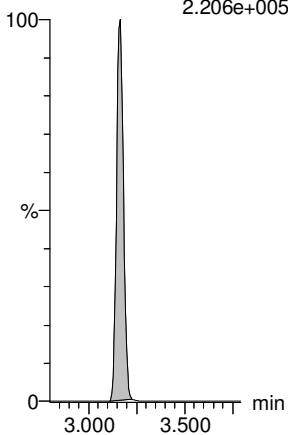
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
9.591e+004



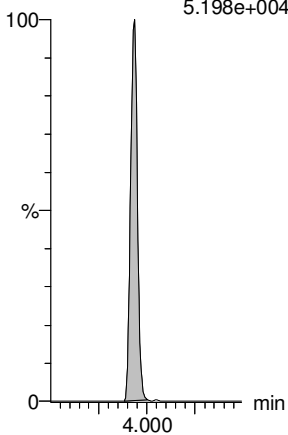
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
2.206e+005



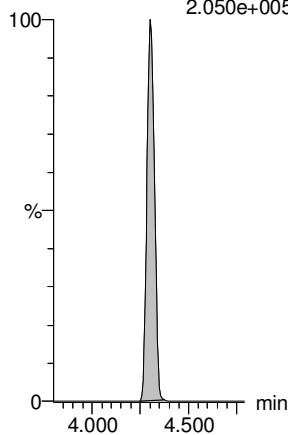
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
5.198e+004



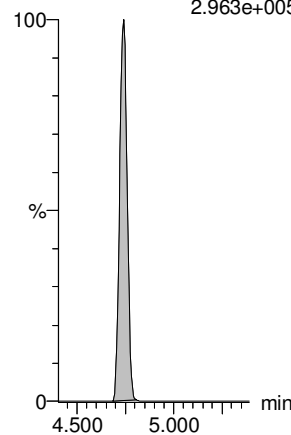
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
2.050e+005



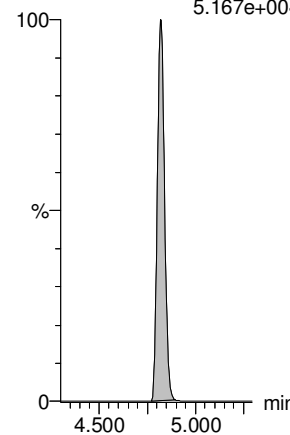
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.963e+005



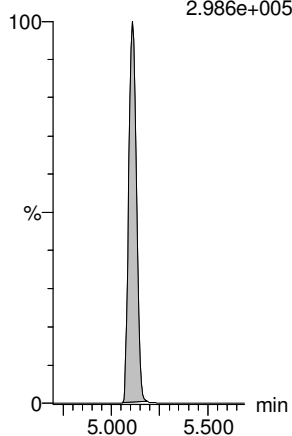
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.167e+004



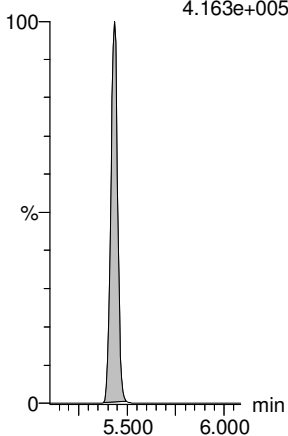
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.986e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
4.163e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-99.qld

Last Altered: Wednesday, May 30, 2018 10:47:01 Pacific Daylight Time

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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_99, Date: 29-May-2018, Time: 08:58:35, ID: 1801010-02 MW0081819180517GSC 0.125, Description: MW0081819180517GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	1.23e2	4.62e3	0.2550		1.40	1.40	0.333	1.074			
2	2 PFPeA	263.1 > 218.9	1.85e2	7.13e3	0.2550		2.39	2.38	0.325	1.544			
3	3 PFBS	299.0 > 79.7	2.47e1	1.03e3	0.2550		2.67	2.67	0.299	0.211		3.555	YES
4	4 4:2 FTS	327.2>307.2		1.93e3	0.2550		3.07						
5	5 PFHxA	313.2 > 268.9		2.25e3	0.2550		3.16						
6	6 PFPeS	349.1>80.1	1.58e1	1.03e3	0.2550		3.37	3.37	0.192	0.600		2.008	NO
7	7 PFHpA	363.0 > 318.9	1.72e2	7.52e3	0.2550		3.78	3.78	0.286	0.832		102.847	YES
8	8 L-PFHxS	398.9 > 79.6	1.07e2	7.88e2	0.2550		3.93	3.93	1.70	3.588		1.971	NO
9	9 Br-PFHxS	398.9 > 79.6	2.25e1	7.88e2	0.2550		3.80	3.81	0.356	0.622		5.368	YES
10	10 6:2 FTS	427.1 > 407	2.03e1	2.43e3	0.2550		4.23	4.25	0.105	0.022		8.015	YES
11	11 L-PFOA	413 > 368.7	1.03e3	1.25e4	0.2550		4.40	4.30	1.04	4.277		4.642	NO
12	12 Br-PFOA	413 > 368.7	1.59e2	1.25e4	0.2550		4.29	4.17	0.160	0.127		5.576	NO
13	13 PFHpS	449 > 80.0		1.25e4	0.2550		4.40						
14	14 PFNA	463.0 > 418.8		9.78e3	0.2550		4.73						
15	15 PFOSA	498.2 > 77.9		1.39e3	0.2550		4.79						
16	16 L-PFOS	499.1 > 79.9	4.34e1	2.19e3	0.2550		4.81	4.83	0.248	0.977		2.605	YES
17	17 Br-PFOS	499.1 > 79.9	1.22e1	2.19e3	0.2550		4.67	4.71	0.0697	0.156		1.403	NO
18	18 PFDA	513 > 468.8		1.08e4	0.2550		5.10						
19	19 8:2 FTS	527 > 506.9	2.96e-1	2.10e3	0.2550		5.07	5.07	0.00176	0.074		0.574	YES
20	20 PFNS	549.1>80.1		2.19e3	0.2550		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.66e3	0.2550		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.66e3	0.2550		5.16						
23	23 L-EtFOSAA	584.2 > 419		3.10e3	0.2550		5.41						
24	24 Br-ETFOSAA	584.2 > 419		3.10e3	0.2550		5.32						
25	25 PFUdA	563.0 > 518.9		1.22e4	0.2550		5.42						
26	26 PFDS	598.8 > 80		1.22e4	0.2550		5.47						
27	27 PFDoA	612.9 > 569.0		1.23e4	0.2550		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.23e4	0.2550		5.95						
29	30 PFTeDA	712.9 > 668.8		1.08e4	0.2550		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.62e3	5.51e3	0.2550	0.847	1.39	1.41	10.5	48.483	98.9		
31	37 13C3-PFPeA	266. > 221.8	7.13e3	8.91e3	0.2550	0.852	2.37	2.38	10.0	46.038	93.9		
32	38 13C3-PFBS	302. > 98.8	1.03e3	8.91e3	0.2550	0.102	2.66	2.67	1.44	55.745	113.7		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-99.qld

Last Altered: Wednesday, May 30, 2018 10:47:01 Pacific Daylight Time

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Name: 180528M1_99, Date: 29-May-2018, Time: 08:58:35, ID: 1801010-02 MW0081819180517GSC 0.125, Description: MW0081819180517GSC

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.93e3	8.91e3	0.2550	0.233	3.06	3.07	2.71	45.481	92.8	
34	40	13C2-PFHxA	315 > 269.8	2.25e3	8.91e3	0.2550	0.720	3.15	3.17	3.15	17.149	87.5	
35	41	13C4-PFHpA	367.2 > 321.8	7.52e3	8.91e3	0.2550	0.795	3.76	3.78	10.5	52.000	106.1	
36	42	18O2-PFHxS	403.0 > 102.6	7.88e2	2.00e3	0.2550	0.421	3.92	3.93	4.92	45.879	93.6	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.43e3	9.37e3	0.2550	0.280	4.23	4.24	3.24	45.314	92.4	
38	44	13C2-PFOA	414.9 > 369.7	1.25e4	9.37e3	0.2550	1.477	4.29	4.30	16.6	44.098	90.0	
39	45	13C5-PFNA	468.2 > 422.9	9.78e3	1.10e4	0.2550	0.955	4.73	4.74	11.1	45.633	93.1	
40	46	13C8-PFOSA	506.1 > 77.7	1.39e3	1.46e4	0.2550	0.151	4.79	4.81	1.19	30.858	63.0	
41	47	13C8-PFOS	507.0 > 79.9	2.19e3	2.34e3	0.2550	1.023	4.81	4.82	11.7	44.821	91.4	
42	48	13C2-PFDA	515.1 > 469.9	1.08e4	1.15e4	0.2550	1.200	5.10	5.11	11.8	38.587	78.7	
43	49	13C2-8:2 FTS	529.1 > 508.7	2.10e3	8.91e3	0.2550	0.224	5.07	5.08	2.94	51.495	105.1	
44	50	d3-N-MeFOSAA	573.3 > 419	2.66e3	1.46e4	0.2550	0.231	5.25	5.25	2.27	38.568	78.7	
45	51	d5-N-EtFOSAA	589.3 > 419	3.10e3	1.46e4	0.2550	0.259	5.41	5.41	2.65	40.123	81.9	
46	52	13C2-PFUdA	565 > 519.8	1.22e4	1.46e4	0.2550	0.996	5.42	5.43	10.4	40.841	83.3	
47	53	13C2-PFDoA	615.0 > 569.7	1.23e4	1.15e4	0.2550	1.247	5.70	5.71	13.4	42.033	85.8	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.46e4	0.2550	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	1.08e4	1.46e4	0.2550	0.792	6.17	6.17	9.24	45.773	93.4	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.46e4	0.2550	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	6.42e3	1.46e4	0.2550	1.211	6.50	6.50	5.48	17.751	90.5	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.46e4	0.2550	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.46e4	0.2550	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	5.51e3	5.51e3	0.2550	1.000	1.39	1.41	12.5	49.018	100.0	
55	61	13C5-PFHxA	318 > 272.9	8.91e3	8.91e3	0.2550	1.000	3.14	3.17	12.5	49.018	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.00e3	2.00e3	0.2550	1.000	3.92	3.93	12.5	49.018	100.0	
57	63	13C8-PFOA	421.3 > 376	9.37e3	9.37e3	0.2550	1.000	4.29	4.30	12.5	49.018	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.10e4	1.10e4	0.2550	1.000	4.72	4.73	12.5	49.018	100.0	
59	65	13C4-PFOS	503 > 79.9	2.34e3	2.34e3	0.2550	1.000	4.81	4.82	12.5	49.018	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.15e4	1.15e4	0.2550	1.000	5.10	5.11	12.5	49.018	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.46e4	1.46e4	0.2550	1.000	5.42	5.43	12.5	49.018	100.0	
62	68	Total PFHxS	398.9 > 79.6	1.30e2	7.88e2	0.2550		4.05		2.06	4.210		
63	69	Total PFOA	413 > 368.7	1.19e3	1.25e4	0.2550		4.30		1.19	4.405		
64	70	Total PFOS	499.1 > 79.9	5.56e1	2.19e3	0.2550		4.90		0.318	1.133		
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.66e3	0.2550		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.10e3	0.2550		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-99.qld

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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_99, Date: 29-May-2018, Time: 08:58:35, ID: 1801010-02 MW0081819180517GSC 0.125, Description: MW0081819180517GSC

PFBA

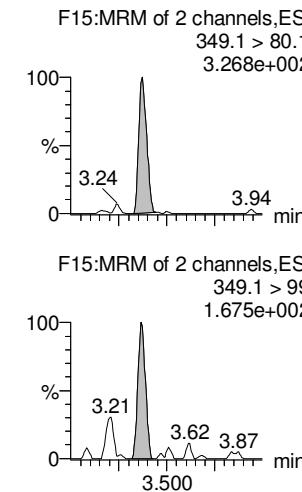
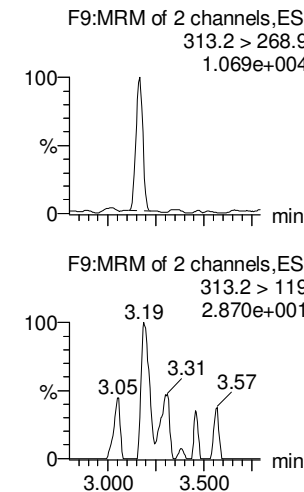
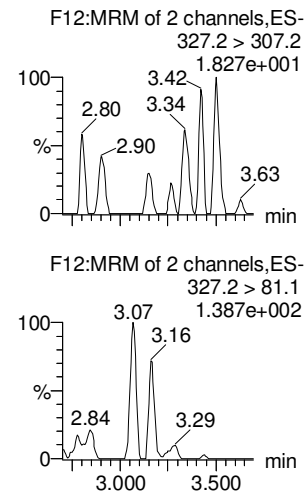
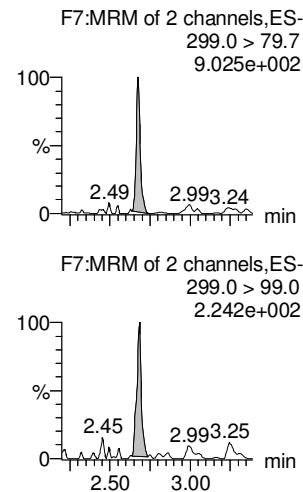
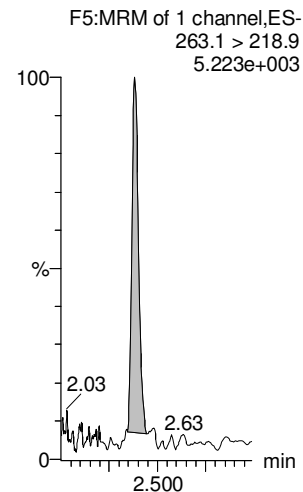
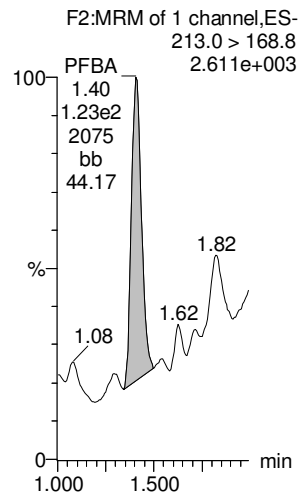
PFPeA

PFBS

4:2 FTS

PFHxA

PFPeS



13C3-PFBA

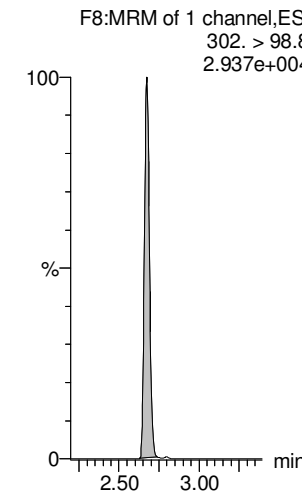
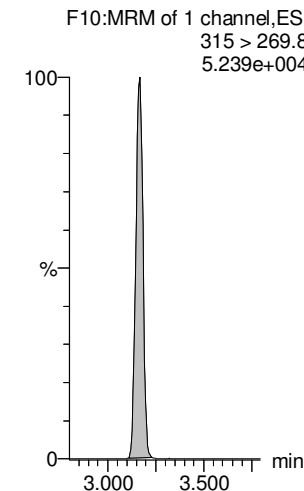
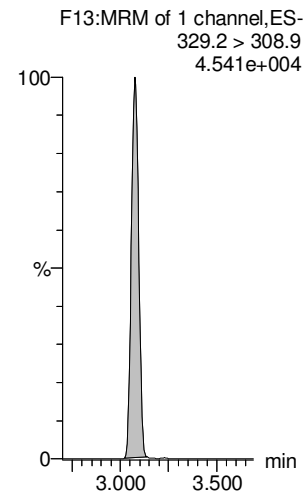
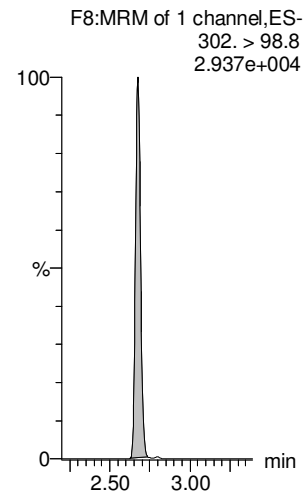
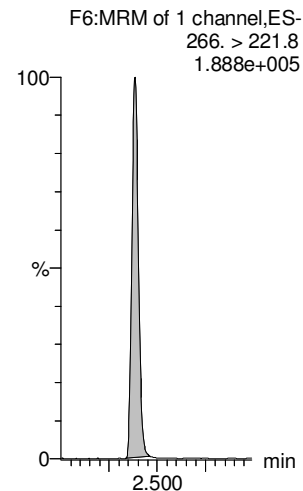
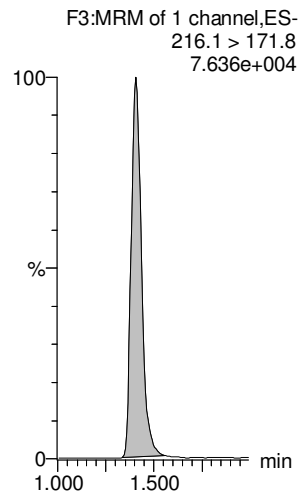
13C3-PFPeA

13C3-PFBS

13C2-4:2 FTS

13C2-PFHxA

13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-99.qld

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Name: 180528M1_99, Date: 29-May-2018, Time: 08:58:35, ID: 1801010-02 MW0081819180517GSC 0.125, Description: MW0081819180517GSC

L-PFHxS

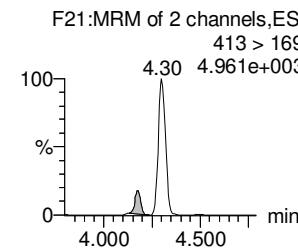
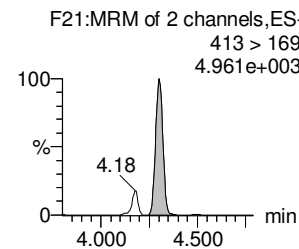
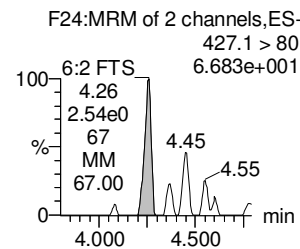
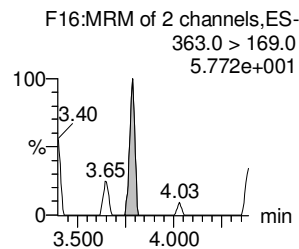
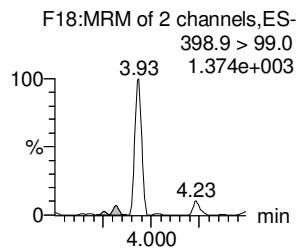
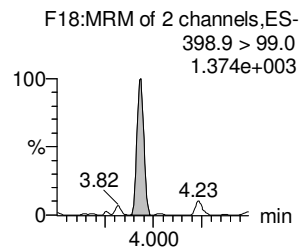
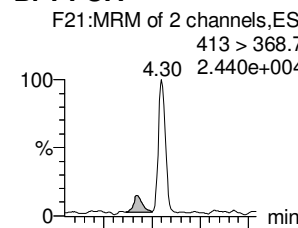
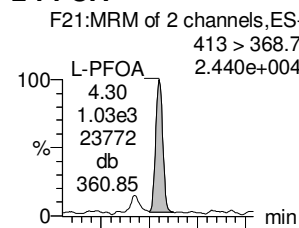
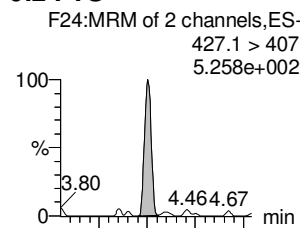
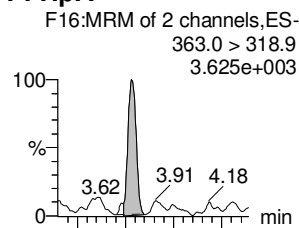
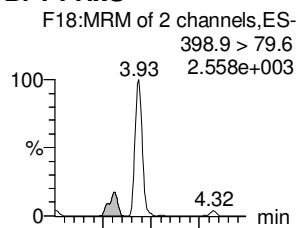
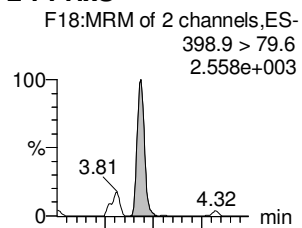
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

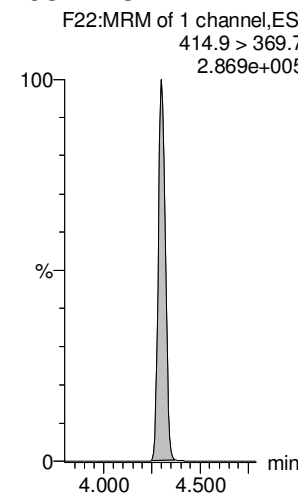
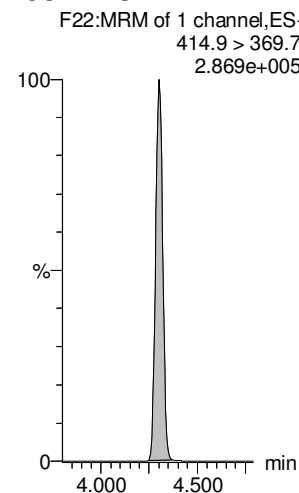
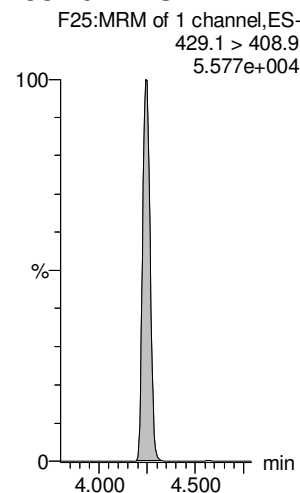
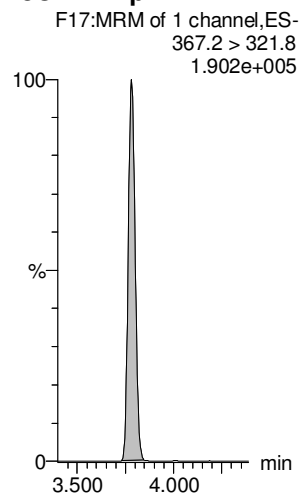
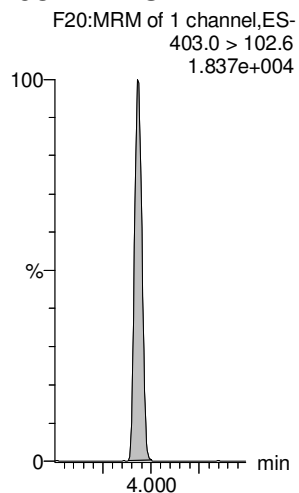
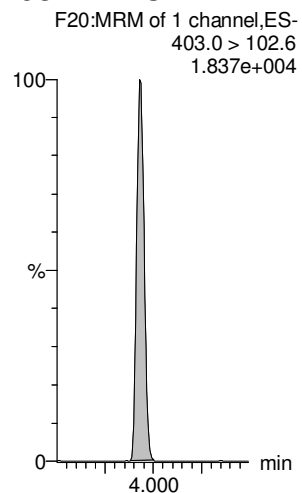
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-99.qld

Last Altered: Wednesday, May 30, 2018 10:47:01 Pacific Daylight Time

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Name: 180528M1_99, Date: 29-May-2018, Time: 08:58:35, ID: 1801010-02 MW0081819180517GSC 0.125, Description: MW0081819180517GSC

PFHpS

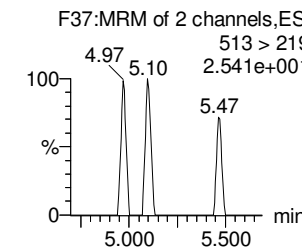
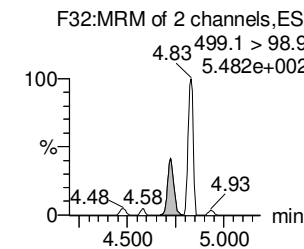
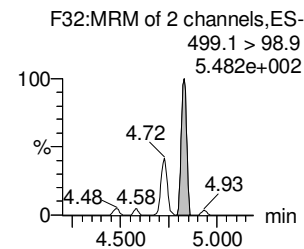
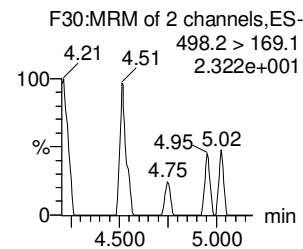
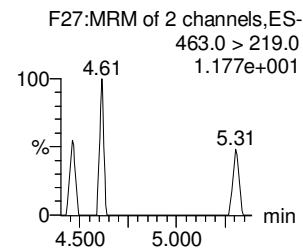
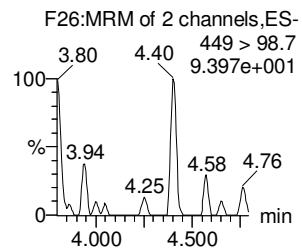
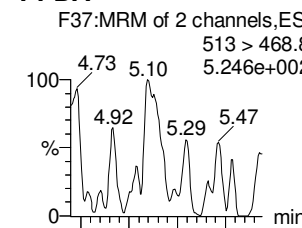
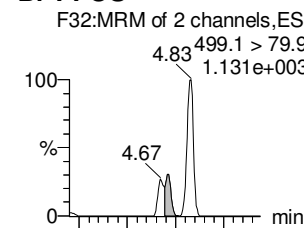
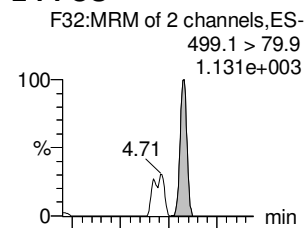
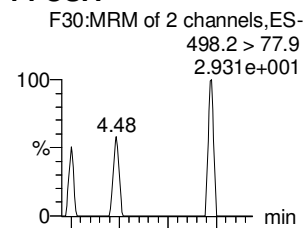
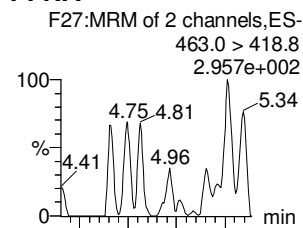
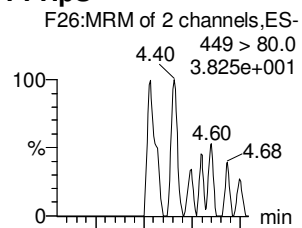
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

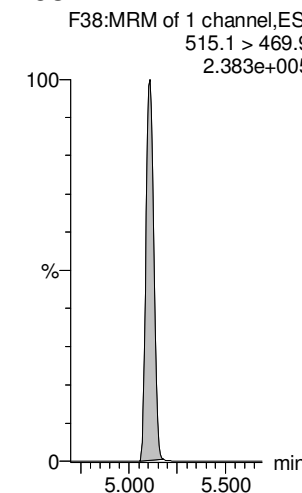
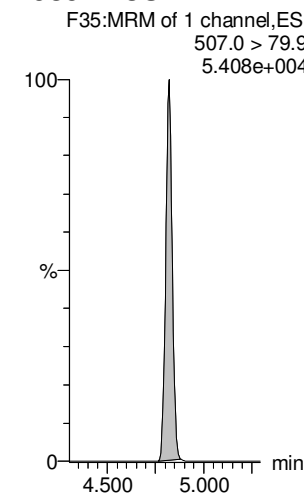
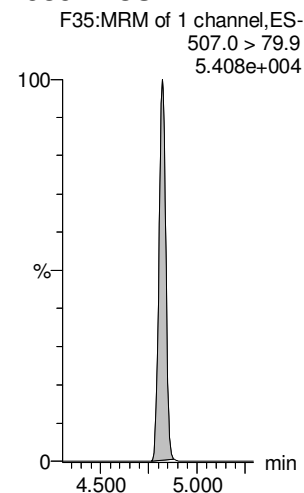
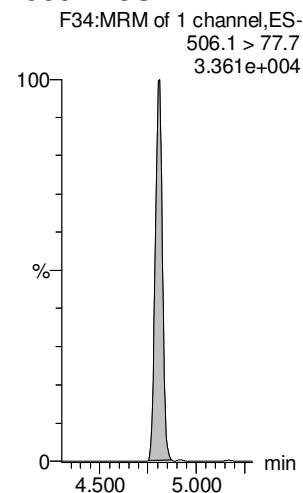
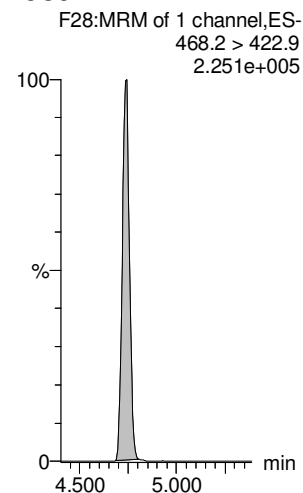
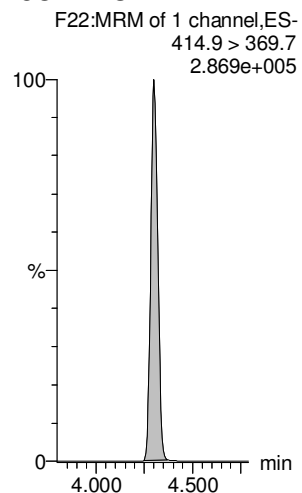
13C5-PFNA

13C8-PFOSA

13C8-PFOS

13C8-PFOS

13C2-PFDA



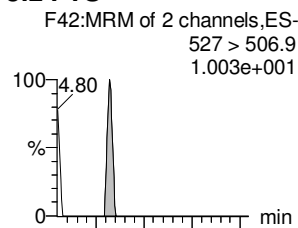
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-99.qld

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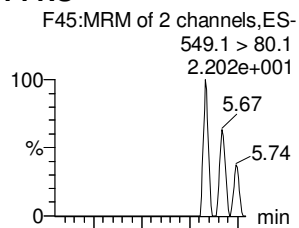
Printed: Wednesday, May 30, 2018 10:47:28 Pacific Daylight Time

Name: 180528M1_99, Date: 29-May-2018, Time: 08:58:35, ID: 1801010-02 MW0081819180517GSC 0.125, Description: MW0081819180517GSC

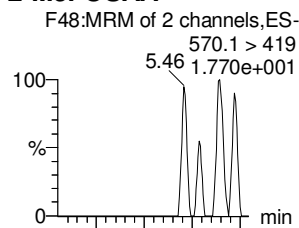
8:2 FTS



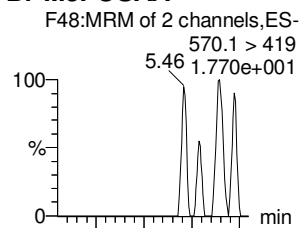
PFNS



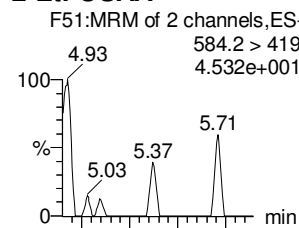
L-MeFOSAA



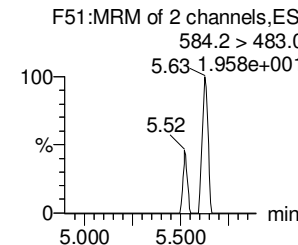
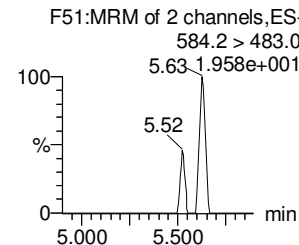
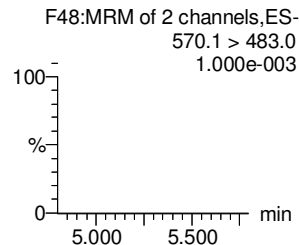
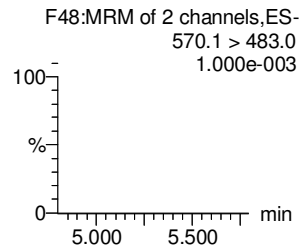
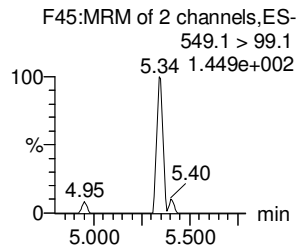
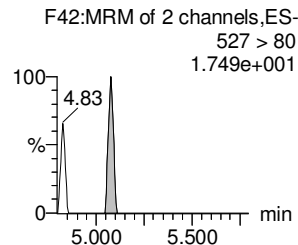
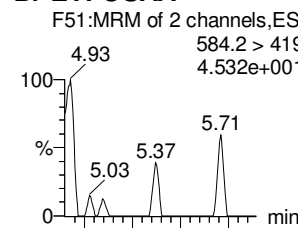
Br-MeFOSAA



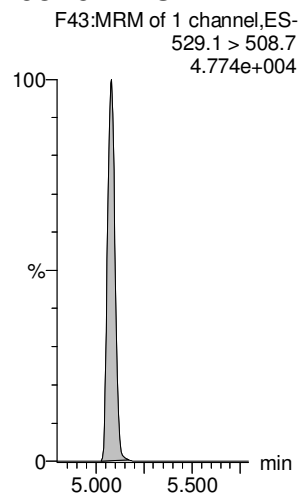
L-EtFOSAA



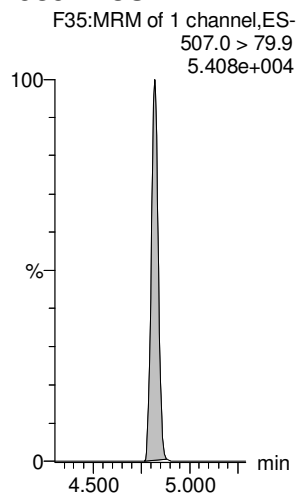
Br-ETFOSAA



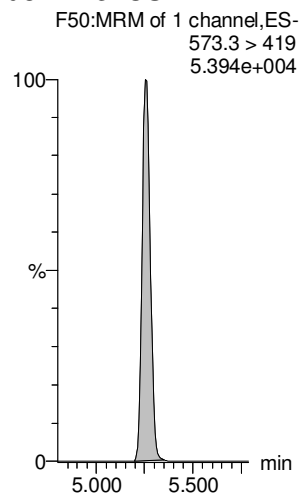
13C2-8:2 FTS



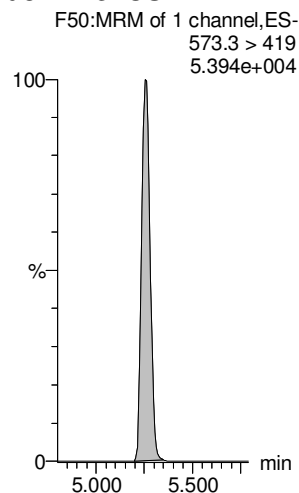
13C8-PFOS



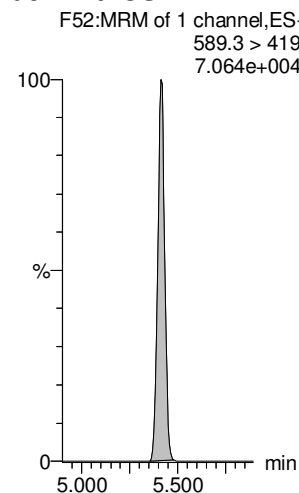
d3-N-MeFOSAA



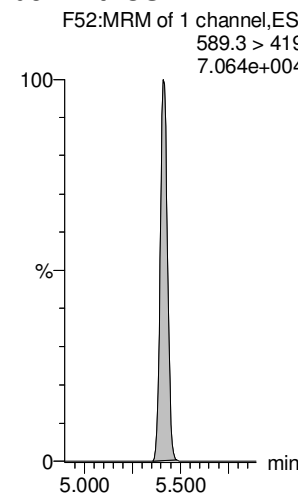
d3-N-MeFOSAA



d5-N-EtFOSAA



d5-N-EtFOSAA



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Name: 180528M1_99, Date: 29-May-2018, Time: 08:58:35, ID: 1801010-02 MW0081819180517GSC 0.125, Description: MW0081819180517GSC

PFUdA

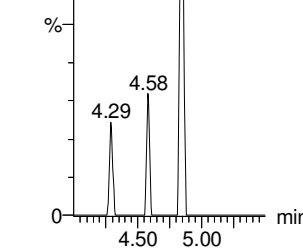
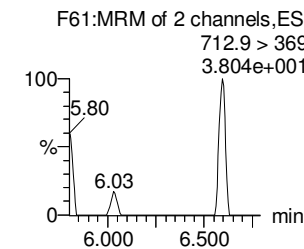
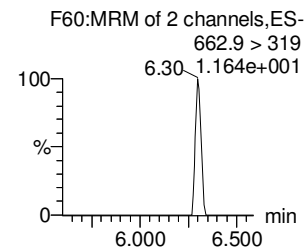
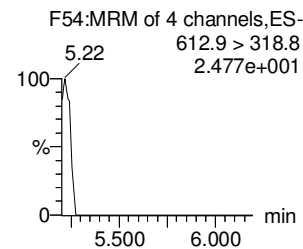
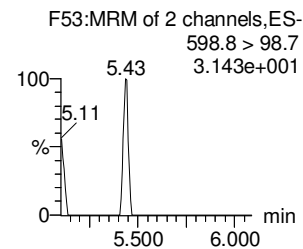
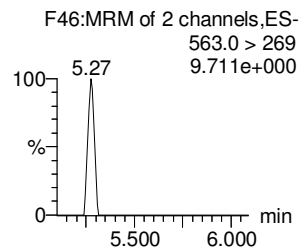
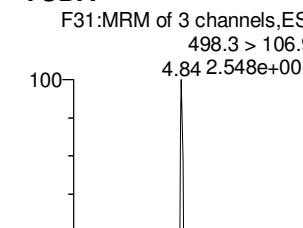
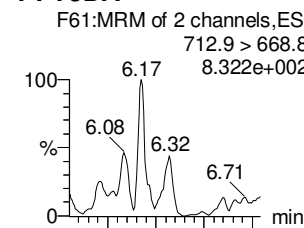
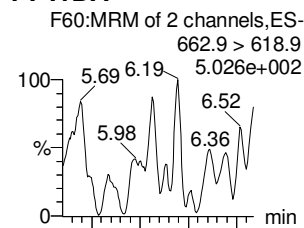
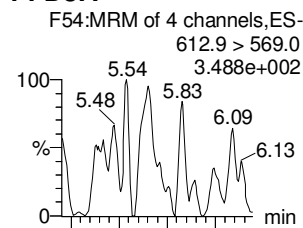
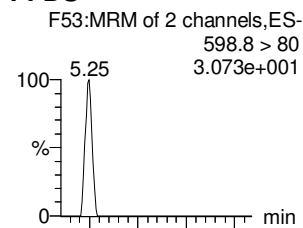
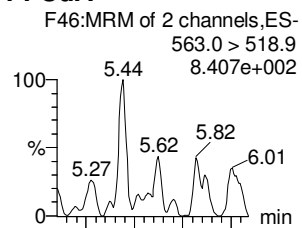
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

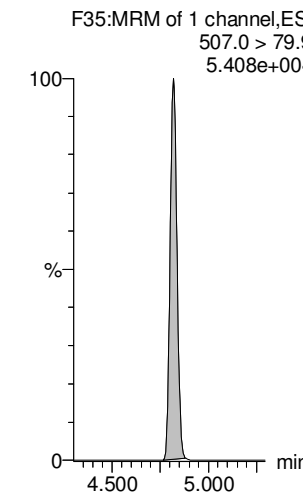
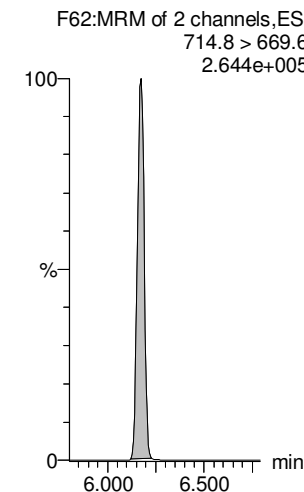
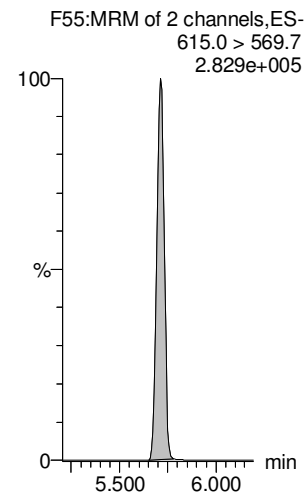
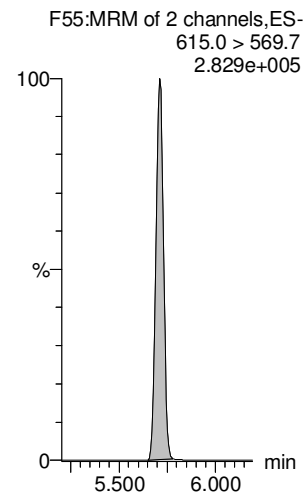
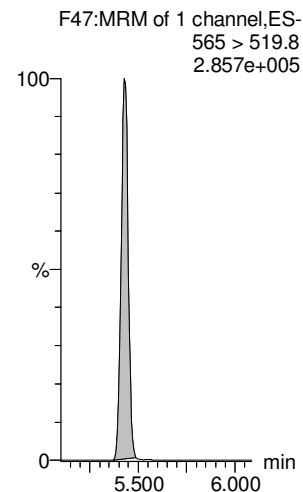
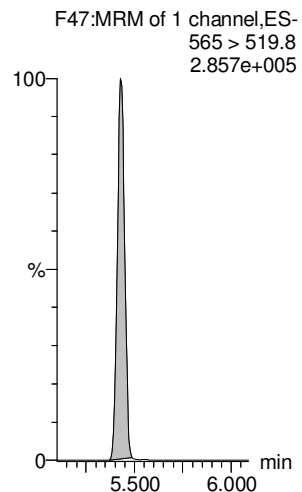
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-99.qld

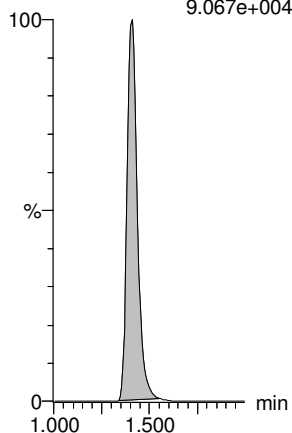
Last Altered: Wednesday, May 30, 2018 10:47:01 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:47:28 Pacific Daylight Time

Name: 180528M1_99, Date: 29-May-2018, Time: 08:58:35, ID: 1801010-02 MW0081819180517GSC 0.125, Description: MW0081819180517GSC

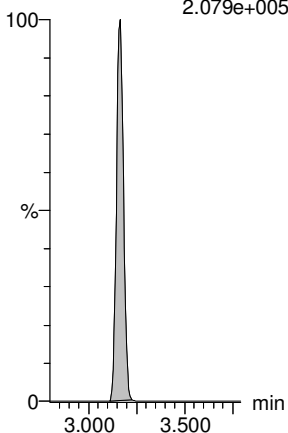
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
9.067e+004



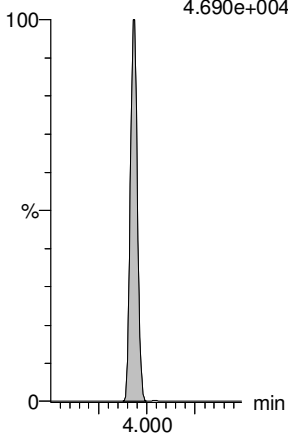
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
2.079e+005



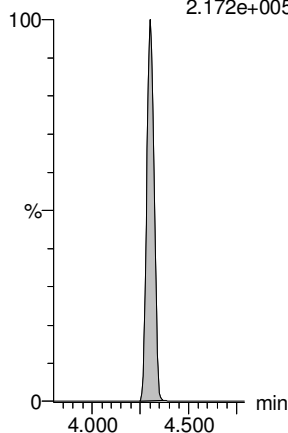
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
4.690e+004



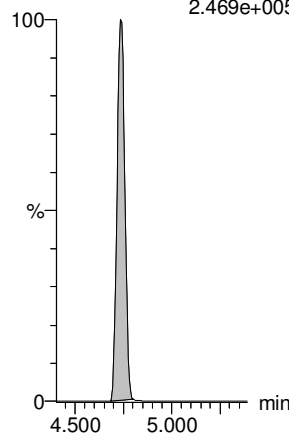
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
2.172e+005



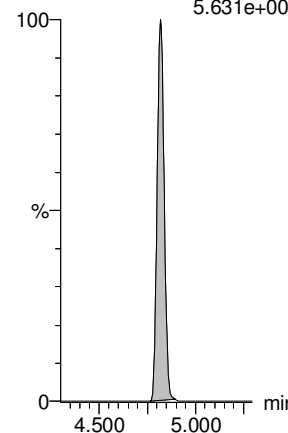
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.469e+005



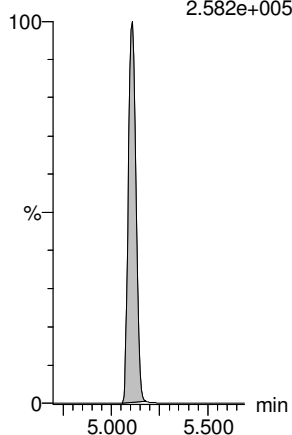
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.631e+004



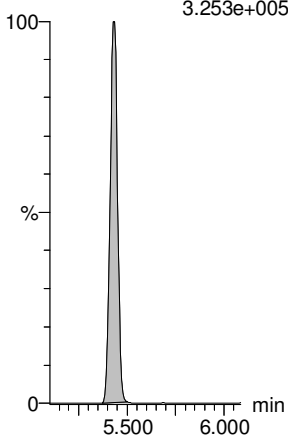
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.582e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.253e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-100.qld

Last Altered: Wednesday, May 30, 2018 10:50:52 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:51:54 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_100, Date: 29-May-2018, Time: 09:09:05, ID: 1801010-03 MW0083738180517RAP 0.125, Description: MW0083738180517RAP

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	2.35e2	3.01e3	0.2479		1.41	1.41	0.978	3.409			
2	2 PFPeA	263.1 > 218.9	1.50e2	4.94e3	0.2479		2.39	2.38	0.378	1.793			
3	3 PFBS	299.0 > 79.7	6.42e1	9.54e2	0.2479		2.67	2.68	0.841	1.457		3.388	NO
4	4 4:2 FTS	327.2>307.2		2.00e3	0.2479		3.07						
5	5 PFHxA	313.2 > 268.9		1.98e3	0.2479		3.16						
6	6 PFPeS	349.1>80.1	4.82e1	9.54e2	0.2479		3.37	3.37	0.631	1.582		1.945	NO
7	7 PFHpA	363.0 > 318.9	1.25e2	5.64e3	0.2479		3.78	3.79	0.278	0.829		64.209	YES
8	8 L-PFHxS	398.9 > 79.6	6.73e1	8.02e2	0.2479		3.93	3.93	1.05	2.211		1.598	NO
9	9 Br-PFHxS	398.9 > 79.6		8.02e2	0.2479		3.80						
10	10 6:2 FTS	427.1 > 407	2.39e1	2.25e3	0.2479		4.23	4.25	0.132	0.133		2.183	NO
11	11 L-PFOA	413 > 368.7	7.02e1	9.70e3	0.2479		4.40	4.30	0.0906			2.168	YES
12	12 Br-PFOA	413 > 368.7	2.07e2	9.70e3	0.2479		4.29	4.17	0.267	0.654		3.074	NO
13	13 PFHpS	449 > 80.0		9.70e3	0.2479		4.40						
14	14 PFNA	463.0 > 418.8		8.96e3	0.2479		4.73						
15	15 PFOSA	498.2 > 77.9		8.87e2	0.2479		4.79						
16	16 L-PFOS	499.1 > 79.9		2.08e3	0.2479		4.81						
17	17 Br-PFOS	499.1 > 79.9		2.08e3	0.2479		4.67						
18	18 PFDA	513 > 468.8		1.01e4	0.2479		5.10						
19	19 8:2 FTS	527 > 506.9		1.89e3	0.2479		5.07						
20	20 PFNS	549.1>80.1		2.08e3	0.2479		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.50e3	0.2479		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.50e3	0.2479		5.16						
23	23 L-EtFOSAA	584.2 > 419		2.99e3	0.2479		5.41						
24	24 Br-ETFOSAA	584.2 > 419		2.99e3	0.2479		5.32						
25	25 PFUdA	563.0 > 518.9		8.88e3	0.2479		5.42						
26	26 PFDS	598.8 > 80		8.88e3	0.2479		5.47						
27	27 PFDoA	612.9 > 569.0		1.14e4	0.2479		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.14e4	0.2479		5.95						
29	30 PFTeDA	712.9 > 668.8		8.48e3	0.2479		6.17						
30	36 13C3-PFBA	216.1 > 171.8	3.01e3	3.72e3	0.2479	0.847	1.39	1.41	10.1	48.173	95.5		
31	37 13C3-PFPeA	266. > 221.8	4.94e3	7.14e3	0.2479	0.852	2.37	2.38	8.66	41.013	81.3		
32	38 13C3-PFBS	302. > 98.8	9.54e2	7.14e3	0.2479	0.102	2.66	2.67	1.67	66.401	131.7		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-100.qld

Last Altered: Wednesday, May 30, 2018 10:50:52 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:51:54 Pacific Daylight Time

Name: 180528M1_100, Date: 29-May-2018, Time: 09:09:05, ID: 1801010-03 MW0083738180517RAP 0.125, Description: MW0083738180517RAP

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	2.00e3	7.14e3	0.2479	0.233	3.06	3.07	3.50	60.415	119.8	
34	40	13C2-PFHxA	315 > 269.8	1.98e3	7.14e3	0.2479	0.720	3.15	3.17	3.47	19.420	96.3	
35	41	13C4-PFHpA	367.2 > 321.8	5.64e3	7.14e3	0.2479	0.795	3.76	3.78	9.88	50.120	99.4	
36	42	18O2-PFHxS	403.0 > 102.6	8.02e2	2.09e3	0.2479	0.421	3.92	3.93	4.79	45.961	91.1	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.25e3	7.78e3	0.2479	0.280	4.23	4.25	3.62	52.013	103.1	
38	44	13C2-PFOA	414.9 > 369.7	9.70e3	7.78e3	0.2479	1.477	4.29	4.30	15.6	42.518	84.3	
39	45	13C5-PFNA	468.2 > 422.9	8.96e3	9.21e3	0.2479	0.955	4.73	4.74	12.2	51.362	101.9	
40	46	13C8-PFOSA	506.1 > 77.7	8.87e2	1.29e4	0.2479	0.151	4.79	4.80	0.857	22.870	45.4	
41	47	13C8-PFOS	507.0 > 79.9	2.08e3	2.19e3	0.2479	1.023	4.81	4.82	11.9	46.840	92.9	
42	48	13C2-PFDA	515.1 > 469.9	1.01e4	1.11e4	0.2479	1.200	5.10	5.11	11.3	38.014	75.4	
43	49	13C2-8:2 FTS	529.1 > 508.7	1.89e3	7.14e3	0.2479	0.224	5.07	5.08	3.32	59.764	118.5	
44	50	d3-N-MeFOSAA	573.3 > 419	2.50e3	1.29e4	0.2479	0.231	5.25	5.26	2.42	42.202	83.7	
45	51	d5-N-EtFOSAA	589.3 > 419	2.99e3	1.29e4	0.2479	0.259	5.41	5.42	2.89	45.046	89.3	
46	52	13C2-PFUdA	565 > 519.8	8.88e3	1.29e4	0.2479	0.996	5.42	5.43	8.58	34.734	68.9	
47	53	13C2-PFDoA	615.0 > 569.7	1.14e4	1.11e4	0.2479	1.247	5.70	5.71	12.8	41.391	82.1	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.29e4	0.2479	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	8.48e3	1.29e4	0.2479	0.792	6.17	6.17	8.19	41.709	82.7	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.29e4	0.2479	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	5.52e3	1.29e4	0.2479	1.211	6.50	6.50	5.33	17.755	88.0	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.29e4	0.2479	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.29e4	0.2479	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	3.72e3	3.72e3	0.2479	1.000	1.39	1.42	12.5	50.428	100.0	
55	61	13C5-PFHxA	318 > 272.9	7.14e3	7.14e3	0.2479	1.000	3.14	3.17	12.5	50.428	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.09e3	2.09e3	0.2479	1.000	3.92	3.93	12.5	50.428	100.0	
57	63	13C8-PFOA	421.3 > 376	7.78e3	7.78e3	0.2479	1.000	4.29	4.30	12.5	50.428	100.0	
58	64	13C9-PFNA	472.2 > 426.9	9.21e3	9.21e3	0.2479	1.000	4.72	4.74	12.5	50.428	100.0	
59	65	13C4-PFOS	503 > 79.9	2.19e3	2.19e3	0.2479	1.000	4.81	4.82	12.5	50.428	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.11e4	1.11e4	0.2479	1.000	5.10	5.11	12.5	50.428	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.29e4	1.29e4	0.2479	1.000	5.42	5.43	12.5	50.428	100.0	
62	68	Total PFHxS	398.9 > 79.6	6.73e1	8.02e2	0.2479		4.05		1.05	2.211		
63	69	Total PFOA	413 > 368.7	2.77e2	9.70e3	0.2479		4.30		0.267	0.654		
64	70	Total PFOS	499.1 > 79.9	0.00e0	2.08e3	0.2479		4.90		0.000			
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.50e3	0.2479		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	2.99e3	0.2479		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-100.qld

Last Altered: Wednesday, May 30, 2018 10:50:52 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:51:54 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_100, Date: 29-May-2018, Time: 09:09:05, ID: 1801010-03 MW0083738180517RAP 0.125, Description: MW0083738180517RAP

PFBA

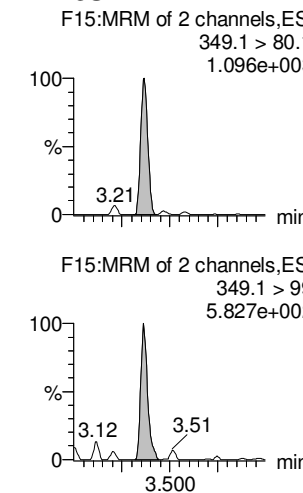
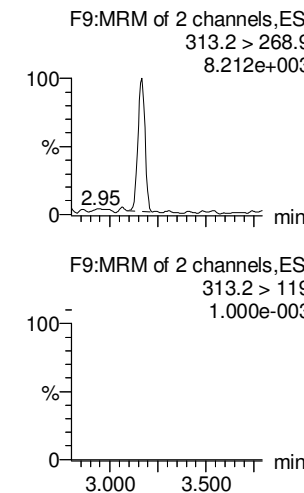
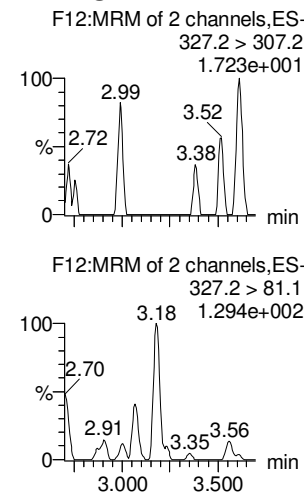
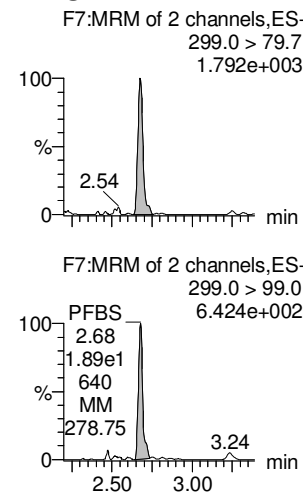
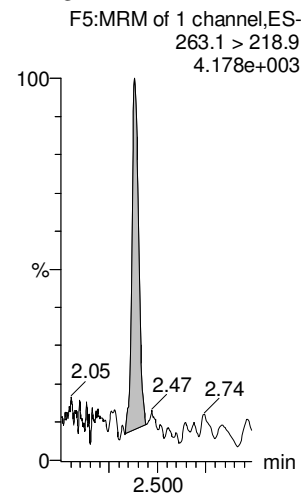
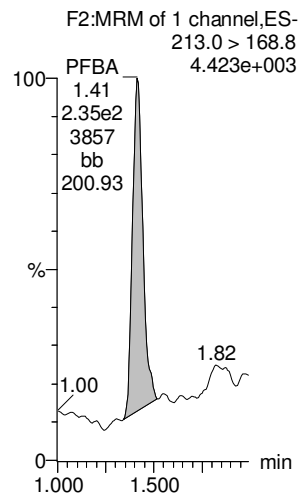
PFPeA

PFBS

4:2 FTS

PFHxA

PFPeS



13C3-PFBA

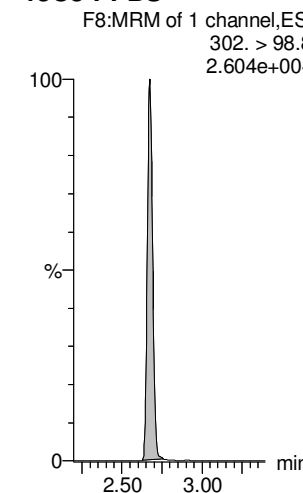
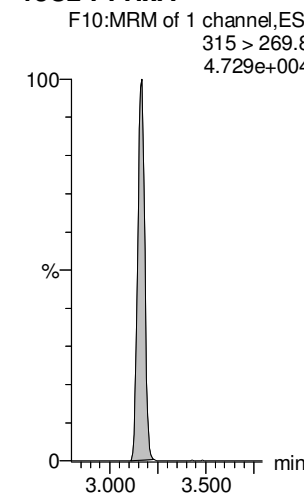
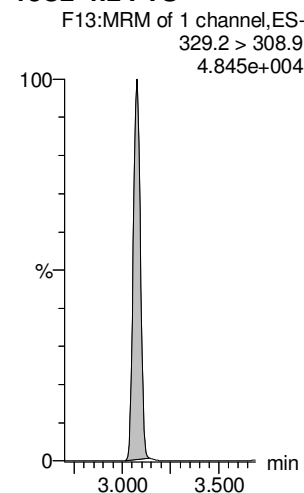
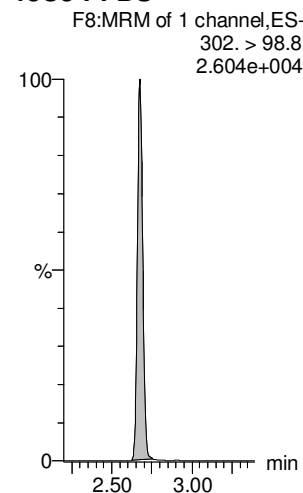
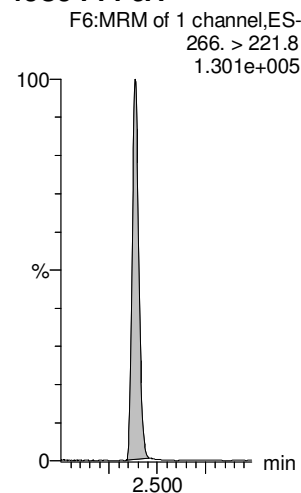
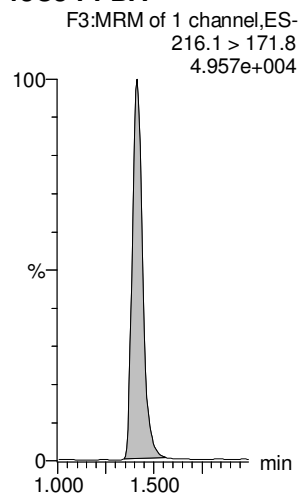
13C3-PFPeA

13C3-PFBS

13C2-4:2 FTS

13C3-PFHxA

13C3-PFPeS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-100.qld

Last Altered: Wednesday, May 30, 2018 10:50:52 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:51:54 Pacific Daylight Time

Name: 180528M1_100, Date: 29-May-2018, Time: 09:09:05, ID: 1801010-03 MW0083738180517RAP 0.125, Description: MW0083738180517RAP

L-PFHxS

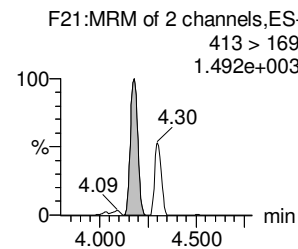
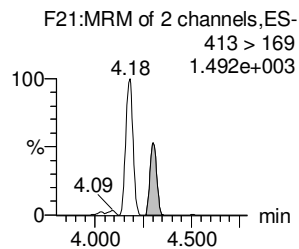
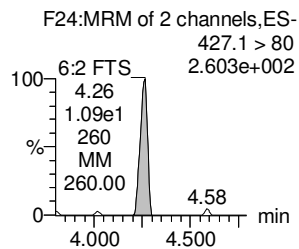
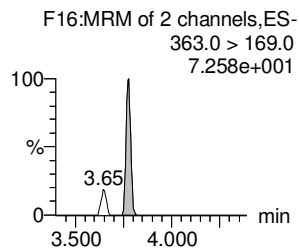
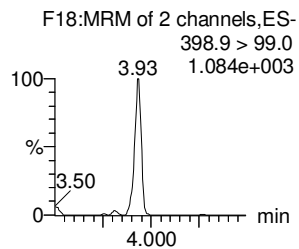
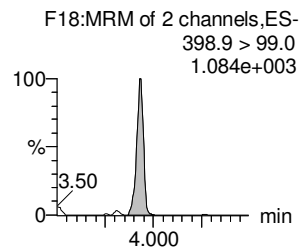
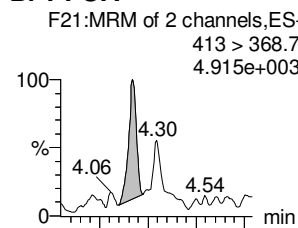
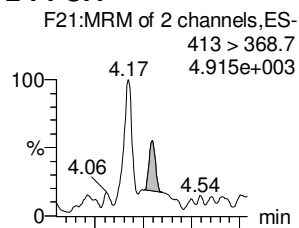
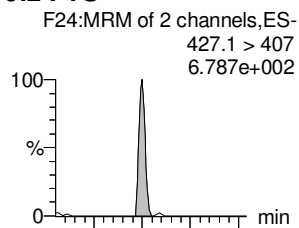
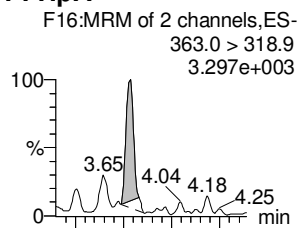
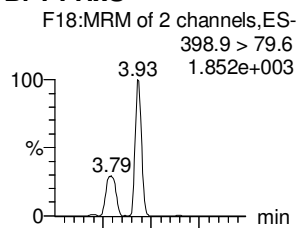
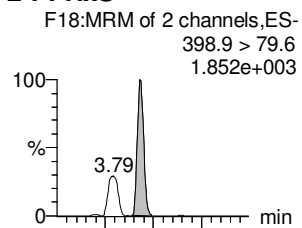
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

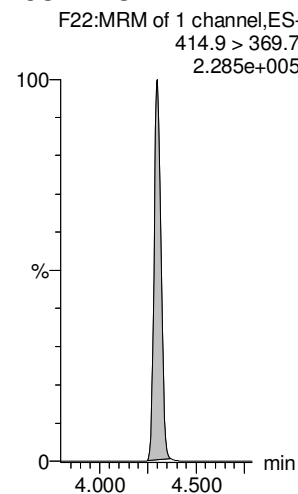
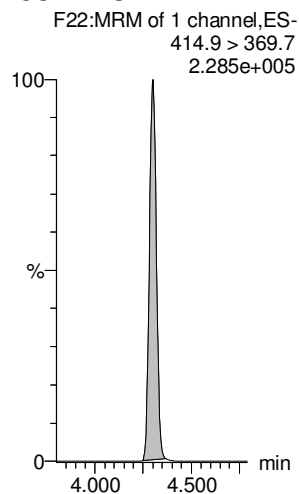
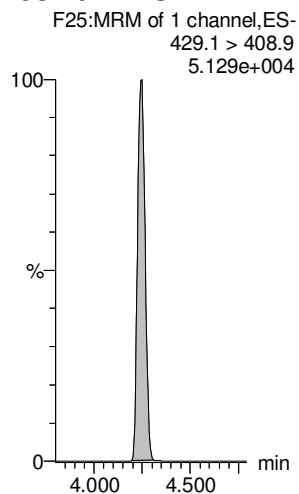
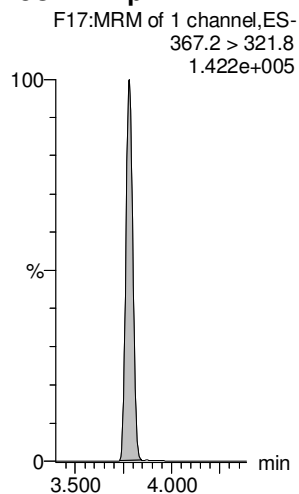
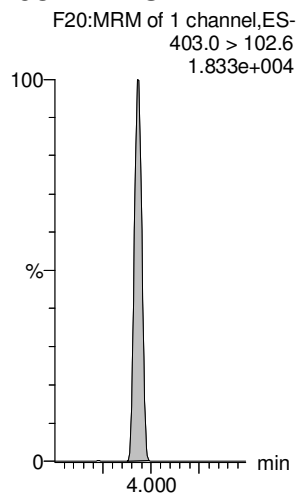
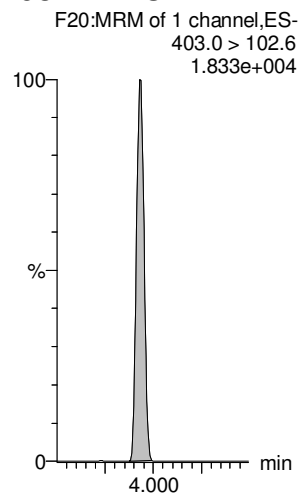
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



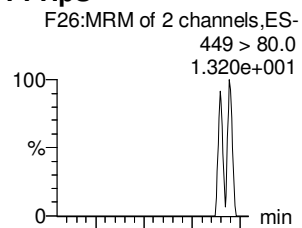
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-100.qld

Last Altered: Wednesday, May 30, 2018 10:50:52 Pacific Daylight Time

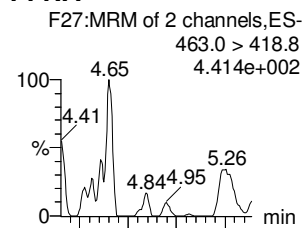
Printed: Wednesday, May 30, 2018 10:51:54 Pacific Daylight Time

Name: 180528M1_100, Date: 29-May-2018, Time: 09:09:05, ID: 1801010-03 MW0083738180517RAP 0.125, Description: MW0083738180517RAP

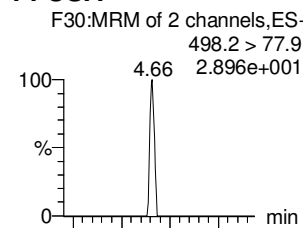
PFHpS



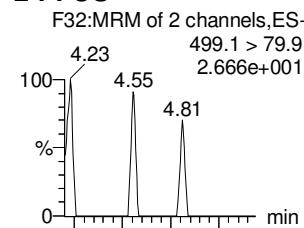
PFNA



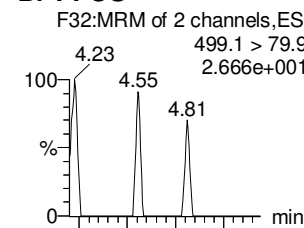
PFOSA



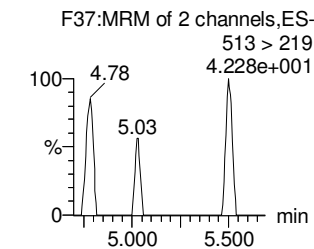
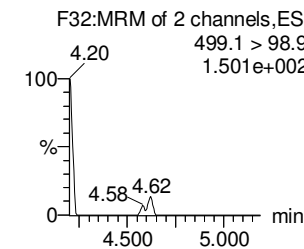
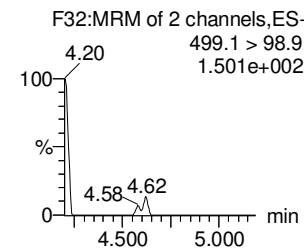
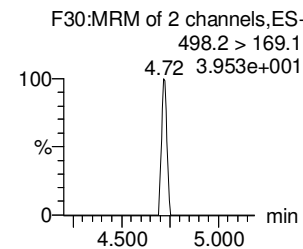
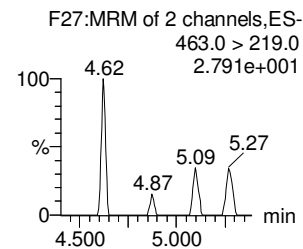
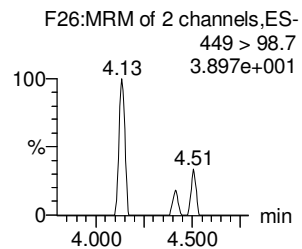
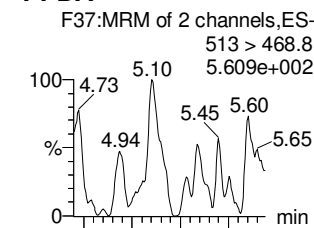
L-PFOS



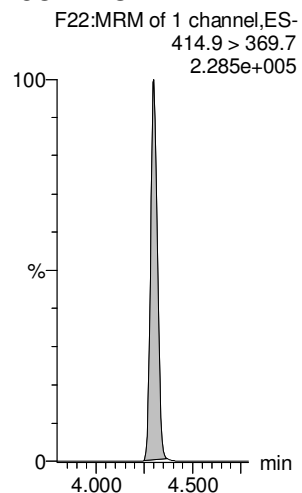
Br-PFOS



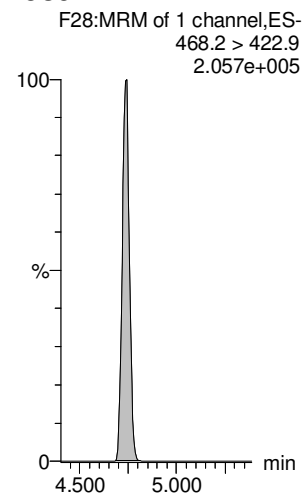
PFDA



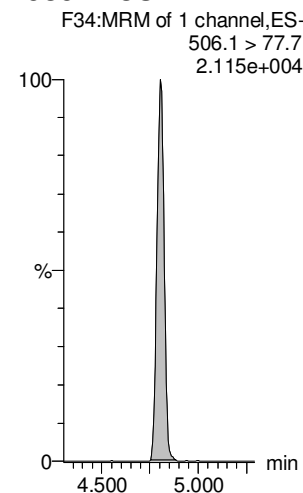
13C2-PFOA



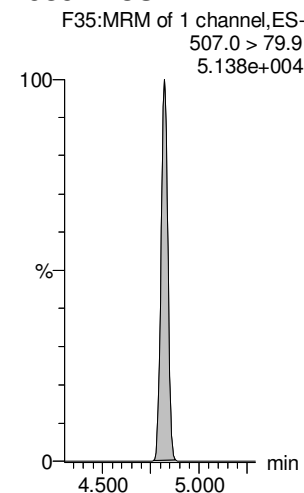
13C5-PFNA



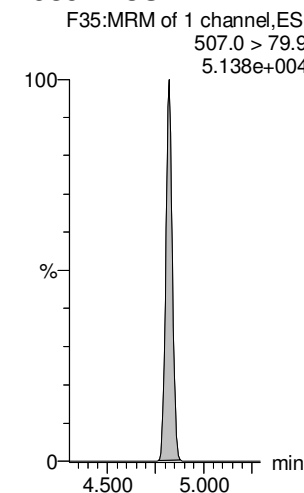
13C8-PFOA



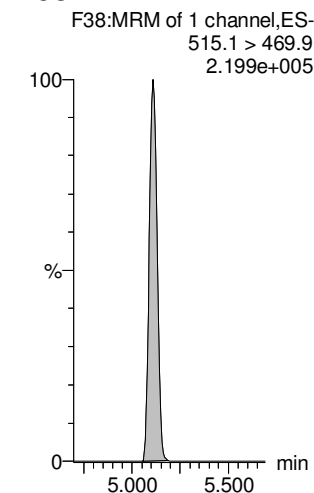
13C8-PFOS



13C8-PFOS



13C2-PFDA



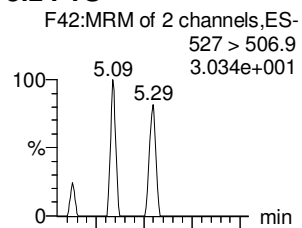
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-100.qld

Last Altered: Wednesday, May 30, 2018 10:50:52 Pacific Daylight Time

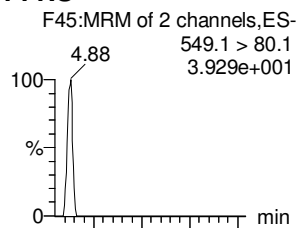
Printed: Wednesday, May 30, 2018 10:51:54 Pacific Daylight Time

Name: 180528M1_100, Date: 29-May-2018, Time: 09:09:05, ID: 1801010-03 MW0083738180517RAP 0.125, Description: MW0083738180517RAP

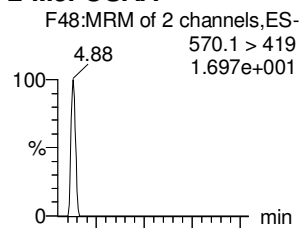
8:2 FTS



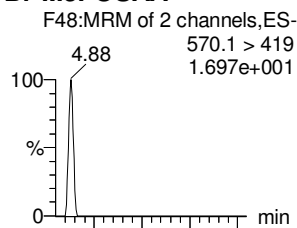
PFNS



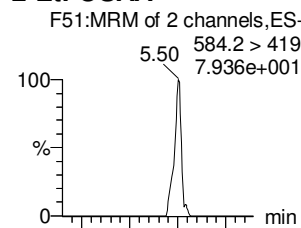
L-MeFOSAA



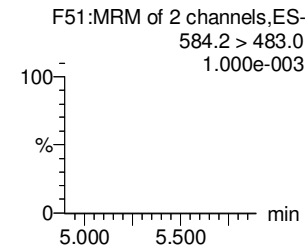
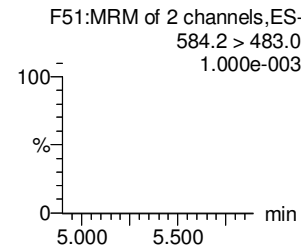
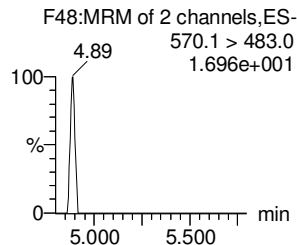
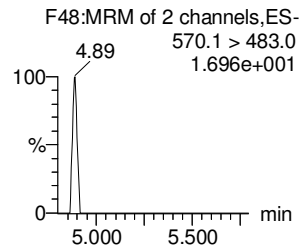
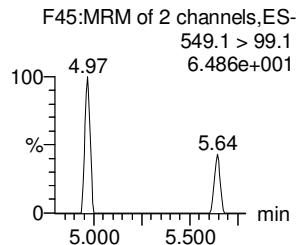
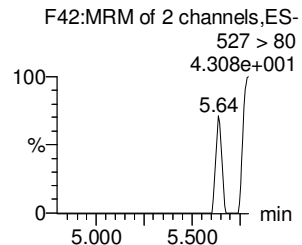
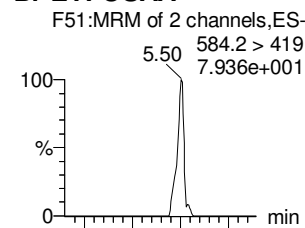
Br-MeFOSAA



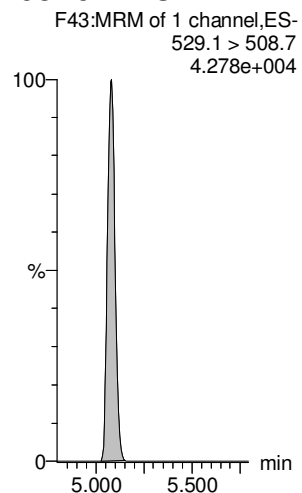
L-EtFOSAA



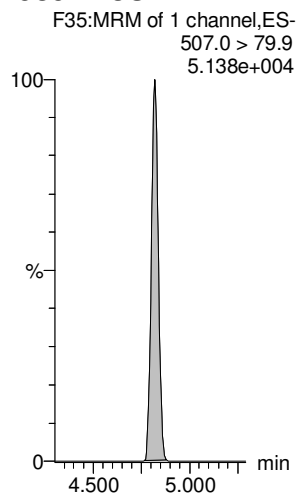
Br-ETFOSAA



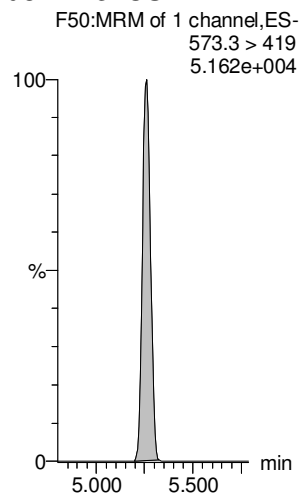
13C2-8:2 FTS



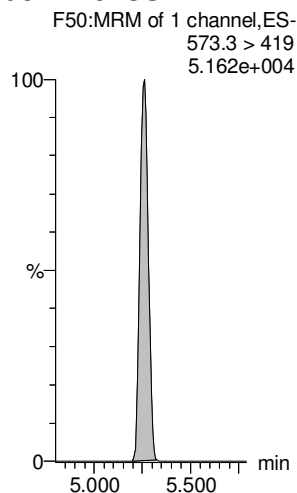
13C8-PFOS



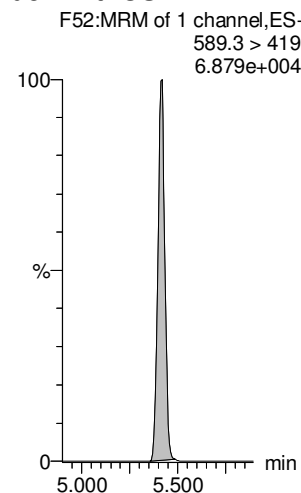
d3-N-MeFOSAA



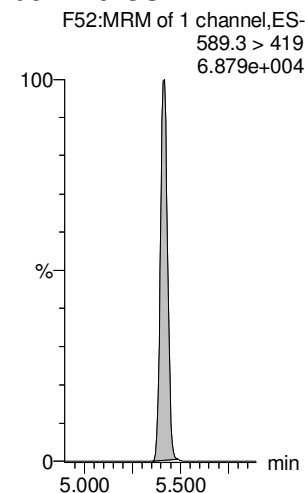
d3-N-MeFOSAA



d5-N-EtFOSAA



d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-100.qld

Last Altered: Wednesday, May 30, 2018 10:50:52 Pacific Daylight Time

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Name: 180528M1_100, Date: 29-May-2018, Time: 09:09:05, ID: 1801010-03 MW0083738180517RAP 0.125, Description: MW0083738180517RAP

PFUdA

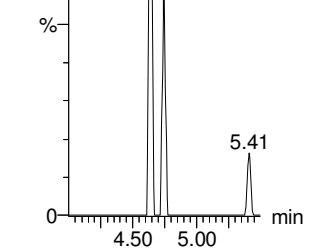
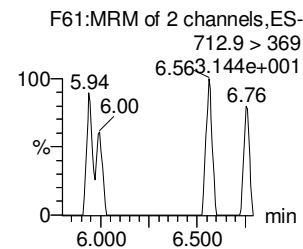
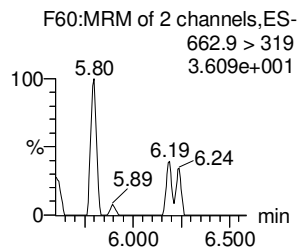
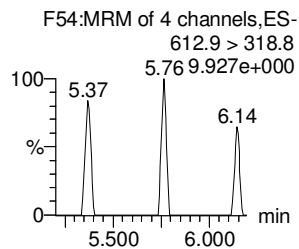
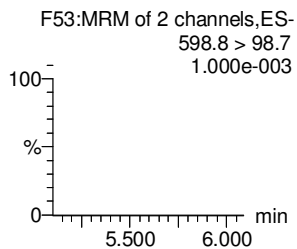
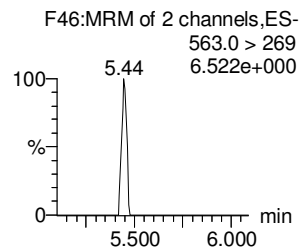
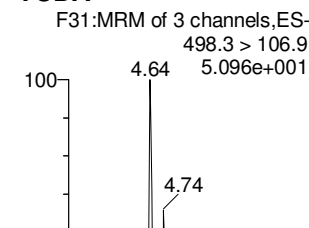
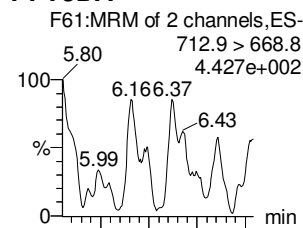
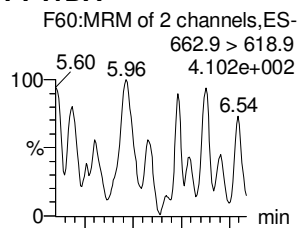
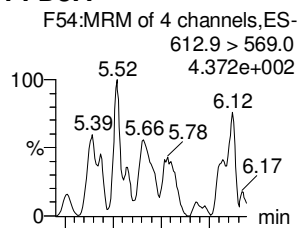
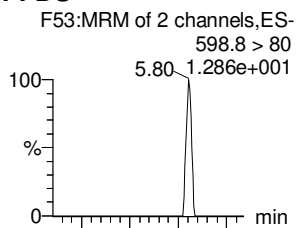
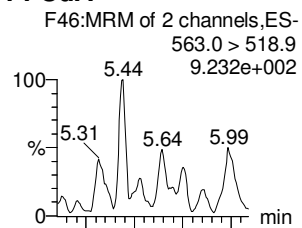
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

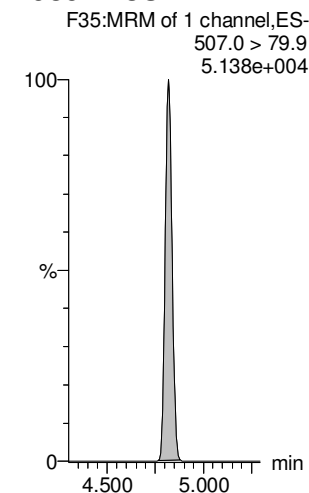
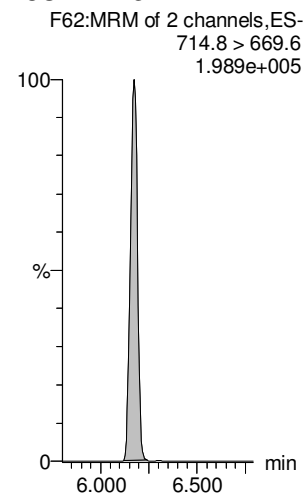
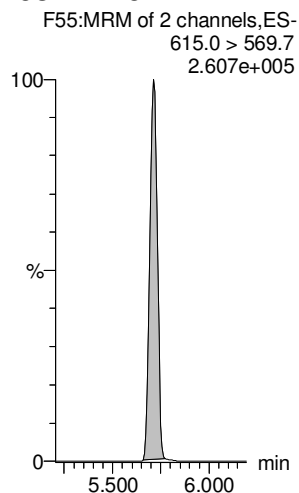
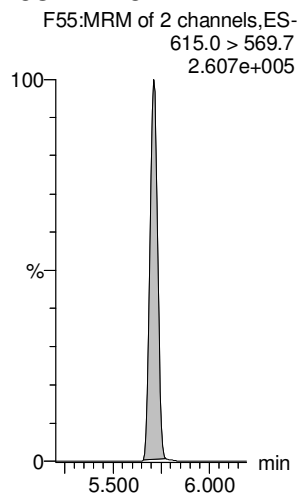
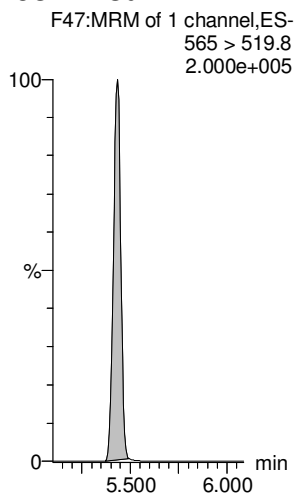
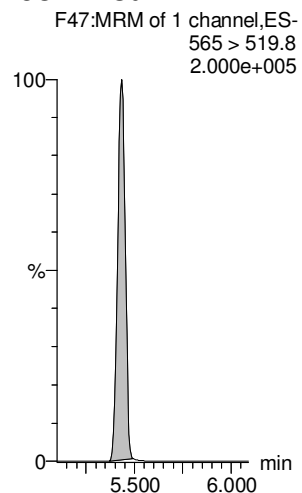
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-100.qld

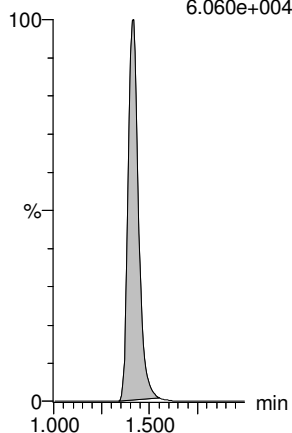
Last Altered: Wednesday, May 30, 2018 10:50:52 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:51:54 Pacific Daylight Time

Name: 180528M1_100, Date: 29-May-2018, Time: 09:09:05, ID: 1801010-03 MW0083738180517RAP 0.125, Description: MW0083738180517RAP

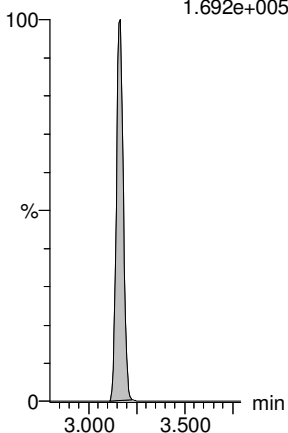
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
6.060e+004



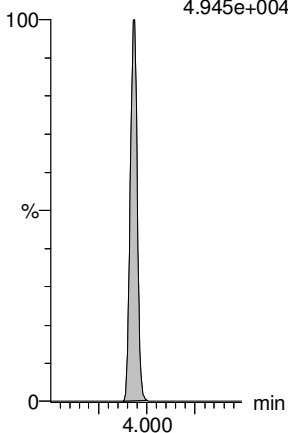
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.692e+005



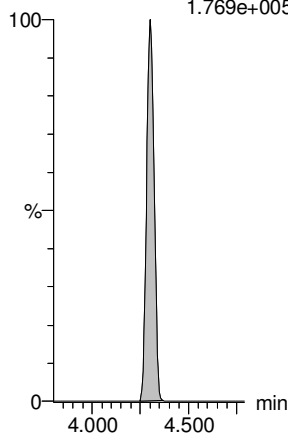
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
4.945e+004



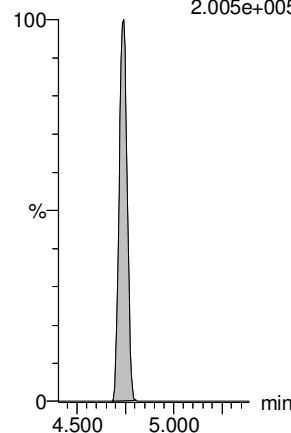
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.769e+005



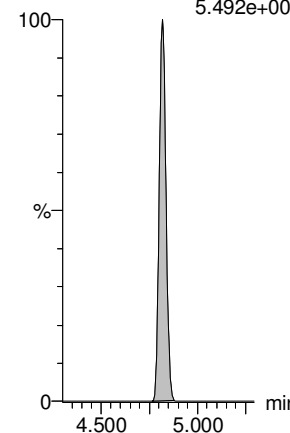
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.005e+005



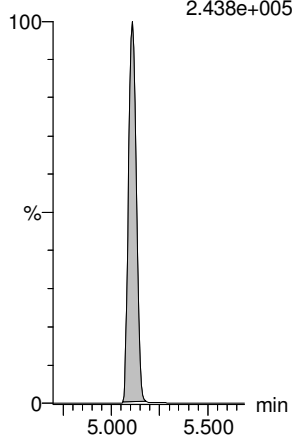
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.492e+004



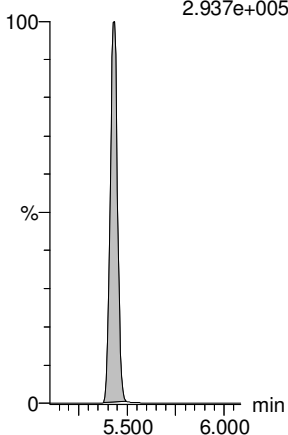
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.438e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
2.937e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-101.qld

Last Altered: Wednesday, May 30, 2018 10:57:42 Pacific Daylight Time

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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_101, Date: 29-May-2018, Time: 09:19:30, ID: 1801010-04 MW0052021180517MK 0.125, Description: MW0052021180517MK

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	6.48e1	4.74e3	0.2435		1.41	1.42	0.171	0.538			
2	2 PFPeA	263.1 > 218.9		7.17e3	0.2435		2.39						
3	3 PFBS	299.0 > 79.7	7.45e0	9.40e2	0.2435		2.68	2.68	0.0991			1.396	YES
4	4 4:2 FTS	327.2>307.2		1.72e3	0.2435		3.08						
5	5 PFHxA	313.2 > 268.9		2.60e3	0.2435		3.16						
6	6 PFPeS	349.1>80.1		9.40e2	0.2435		3.37						
7	7 PFHpA	363.0 > 318.9		7.33e3	0.2435		3.78						
8	8 L-PFHxS	398.9 > 79.6	1.25e1	8.38e2	0.2435		3.93	3.93	0.187	0.259		2.489	YES
9	9 Br-PFHxS	398.9 > 79.6		8.38e2	0.2435		3.80						
10	10 6:2 FTS	427.1 > 407	2.81e1	2.15e3	0.2435		4.23	4.25	0.164	0.261		1.938	YES
11	11 L-PFOA	413 > 368.7		1.13e4	0.2435		4.40						
12	12 Br-PFOA	413 > 368.7		1.13e4	0.2435		4.29						
13	13 PFHpS	449 > 80.0		1.13e4	0.2435		4.40						
14	14 PFNA	463.0 > 418.8		9.70e3	0.2435		4.73						
15	15 PFOSA	498.2 > 77.9		8.18e2	0.2435		4.79						
16	16 L-PFOS	499.1 > 79.9		2.01e3	0.2435		4.81						
17	17 Br-PFOS	499.1 > 79.9		2.01e3	0.2435		4.67						
18	18 PFDA	513 > 468.8		1.14e4	0.2435		5.10						
19	19 8:2 FTS	527 > 506.9		1.60e3	0.2435		5.07						
20	20 PFNS	549.1>80.1		2.01e3	0.2435		5.16						
21	21 L-MeFOSAA	570.1 > 419		1.95e3	0.2435		5.25						
22	22 Br-MeFOSAA	570.1 > 419		1.95e3	0.2435		5.16						
23	23 L-EtFOSAA	584.2 > 419		2.40e3	0.2435		5.41						
24	24 Br-ETFOSAA	584.2 > 419		2.40e3	0.2435		5.32						
25	25 PFUdA	563.0 > 518.9		9.06e3	0.2435		5.42						
26	26 PFDS	598.8 > 80		9.06e3	0.2435		5.47						
27	27 PFDoA	612.9 > 569.0		7.06e3	0.2435		5.70						
28	29 PFTTrDA	662.9 > 618.9		7.06e3	0.2435		5.95						
29	30 PFTeDA	712.9 > 668.8		4.65e3	0.2435		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.74e3	6.25e3	0.2435	0.847	1.39	1.41	9.48	45.924	89.4		
31	37 13C3-PFPeA	266. > 221.8	7.17e3	9.75e3	0.2435	0.852	2.37	2.38	9.19	44.279	86.2		
32	38 13C3-PFBS	302. > 98.8	9.40e2	9.75e3	0.2435	0.102	2.66	2.68	1.20	48.730	94.9		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-101.qld

Last Altered: Wednesday, May 30, 2018 10:57:42 Pacific Daylight Time

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Name: 180528M1_101, Date: 29-May-2018, Time: 09:19:30, ID: 1801010-04 MW0052021180517MK 0.125, Description: MW0052021180517MK

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.72e3	9.75e3	0.2435	0.233	3.06	3.08	2.21	38.889	75.7	
34	40	13C2-PFHxA	315 > 269.8	2.60e3	9.75e3	0.2435	0.720	3.15	3.17	3.33	18.965	92.4	
35	41	13C4-PFHpA	367.2 > 321.8	7.33e3	9.75e3	0.2435	0.795	3.76	3.78	9.39	48.538	94.5	
36	42	18O2-PFHxS	403.0 > 102.6	8.38e2	2.10e3	0.2435	0.421	3.92	3.93	4.98	48.642	94.7	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.15e3	9.01e3	0.2435	0.280	4.23	4.25	2.98	43.583	84.9	
38	44	13C2-PFOA	414.9 > 369.7	1.13e4	9.01e3	0.2435	1.477	4.29	4.30	15.7	43.589	84.9	
39	45	13C5-PFNA	468.2 > 422.9	9.70e3	1.23e4	0.2435	0.955	4.73	4.74	9.82	42.237	82.3	
40	46	13C8-PFOSA	506.1 > 77.7	8.18e2	1.49e4	0.2435	0.151	4.79	4.80	0.687	18.661	36.3	
41	47	13C8-PFOS	507.0 > 79.9	2.01e3	2.38e3	0.2435	1.023	4.81	4.82	10.6	42.449	82.7	
42	48	13C2-PFDA	515.1 > 469.9	1.14e4	1.43e4	0.2435	1.200	5.10	5.11	9.98	34.153	66.5	
43	49	13C2-8:2 FTS	529.1 > 508.7	1.60e3	9.75e3	0.2435	0.224	5.07	5.08	2.05	37.655	73.3	
44	50	d3-N-MeFOSAA	573.3 > 419	1.95e3	1.49e4	0.2435	0.231	5.25	5.26	1.64	29.133	56.7	
45	51	d5-N-EtFOSAA	589.3 > 419	2.40e3	1.49e4	0.2435	0.259	5.41	5.41	2.01	31.971	62.3	
46	52	13C2-PFUdA	565 > 519.8	9.06e3	1.49e4	0.2435	0.996	5.42	5.43	7.61	31.359	61.1	
47	53	13C2-PFDoA	615.0 > 569.7	7.06e3	1.43e4	0.2435	1.247	5.70	5.72	6.17	20.318	39.6	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.49e4	0.2435	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	4.65e3	1.49e4	0.2435	0.792	6.17	6.17	3.90	20.238	39.4	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.49e4	0.2435	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	1.37e3	1.49e4	0.2435	1.211	6.50	6.50	1.15	3.897	19.0	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.49e4	0.2435	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.49e4	0.2435	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	6.25e3	6.25e3	0.2435	1.000	1.39	1.42	12.5	51.341	100.0	
55	61	13C5-PFHxA	318 > 272.9	9.75e3	9.75e3	0.2435	1.000	3.14	3.17	12.5	51.341	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.10e3	2.10e3	0.2435	1.000	3.92	3.93	12.5	51.341	100.0	
57	63	13C8-PFOA	421.3 > 376	9.01e3	9.01e3	0.2435	1.000	4.29	4.30	12.5	51.341	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.23e4	1.23e4	0.2435	1.000	4.72	4.74	12.5	51.341	100.0	
59	65	13C4-PFOS	503 > 79.9	2.38e3	2.38e3	0.2435	1.000	4.81	4.82	12.5	51.341	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.43e4	1.43e4	0.2435	1.000	5.10	5.11	12.5	51.341	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.49e4	1.49e4	0.2435	1.000	5.42	5.43	12.5	51.341	100.0	
62	68	Total PFHxS	398.9 > 79.6	1.25e1	8.38e2	0.2435		4.05		0.187	0.259		
63	69	Total PFOA	413 > 368.7	0.00e0	1.13e4	0.2435		4.30		0.000			
64	70	Total PFOS	499.1 > 79.9	0.00e0	2.01e3	0.2435		4.90		0.000			
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	1.95e3	0.2435		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	2.40e3	0.2435		5.70		0.000			

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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_101, Date: 29-May-2018, Time: 09:19:30, ID: 1801010-04 MW0052021180517MK 0.125, Description: MW0052021180517MK

PFBA

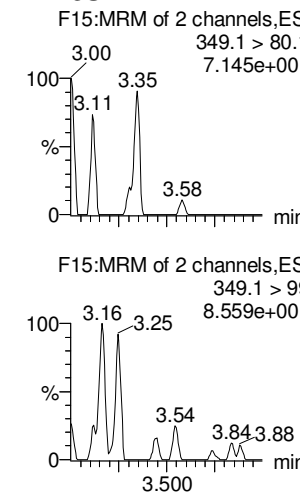
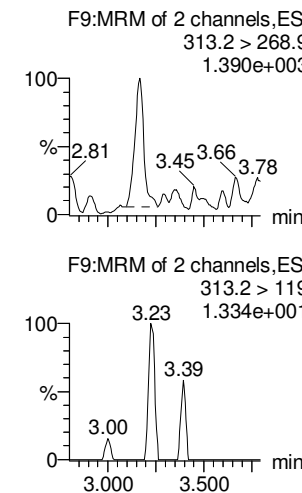
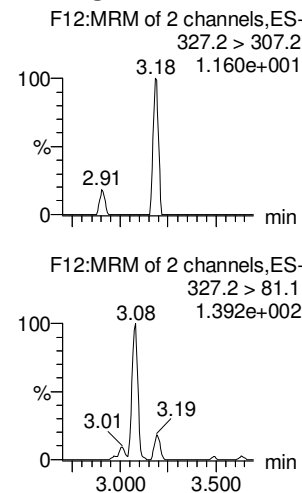
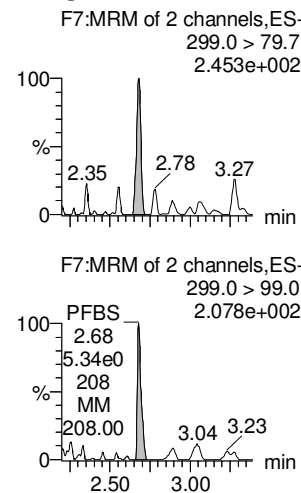
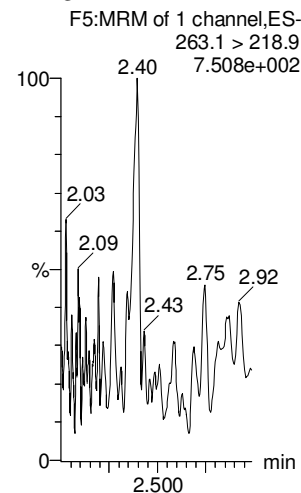
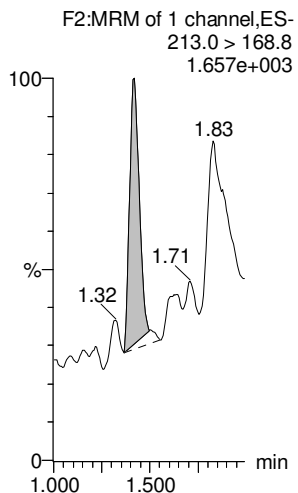
PFPeA

PFBS

4:2 FTS

PFHxA

PFPeS



13C3-PFBA

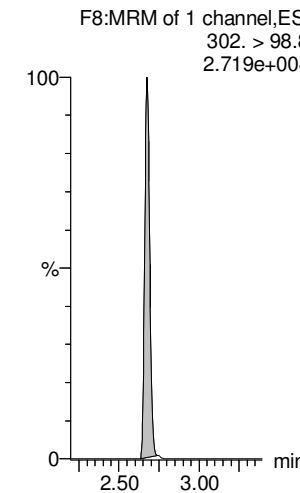
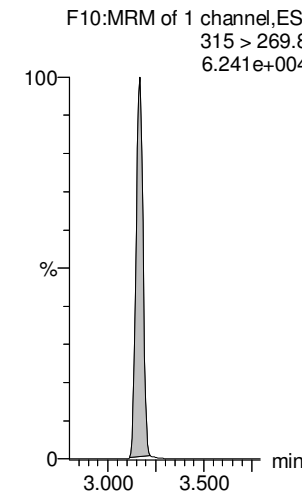
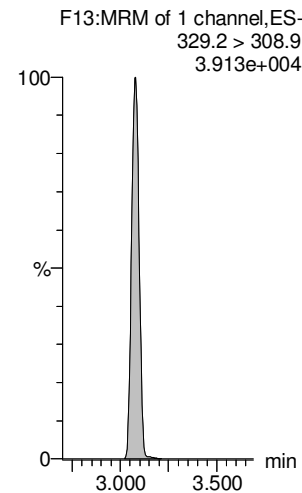
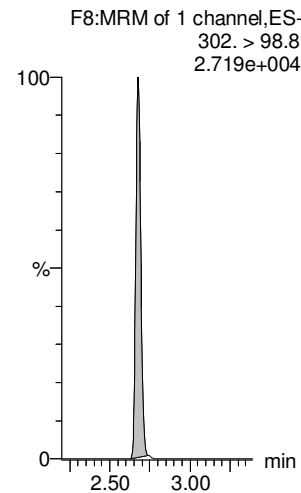
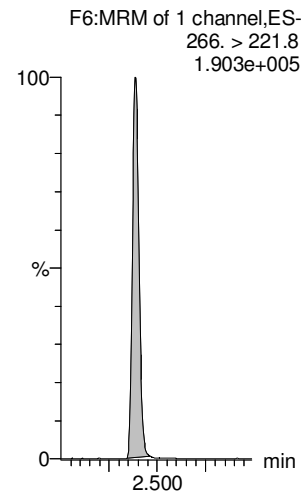
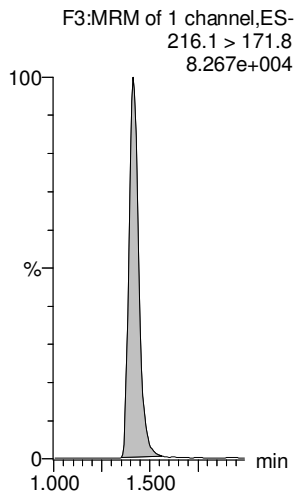
13C3-PFPeA

13C3-PFBS

13C2-4:2 FTS

13C2-PFHxA

13C3-PFBS



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L-PFHxS

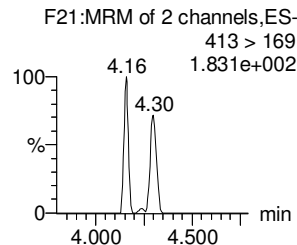
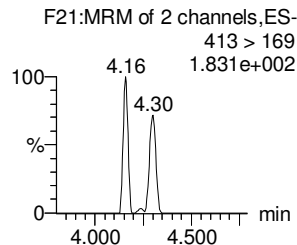
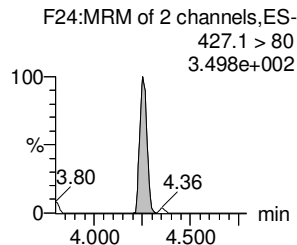
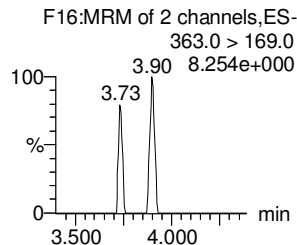
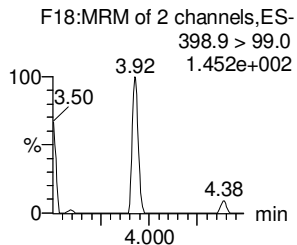
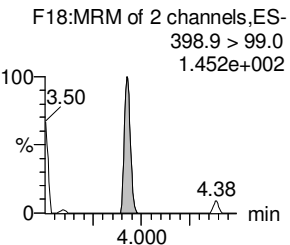
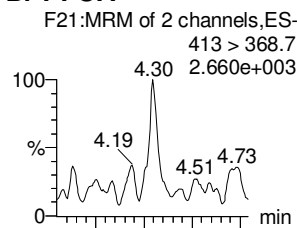
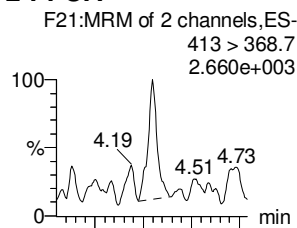
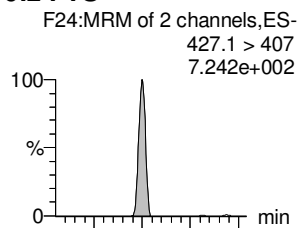
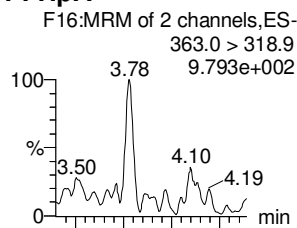
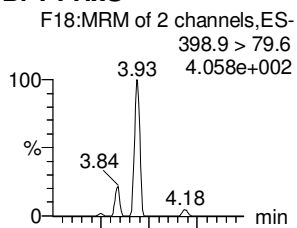
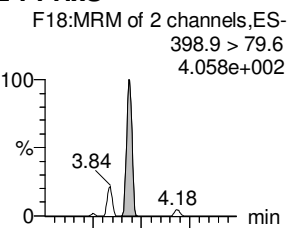
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

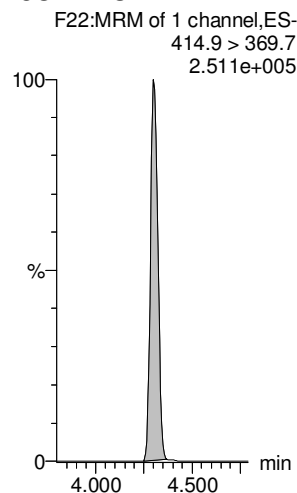
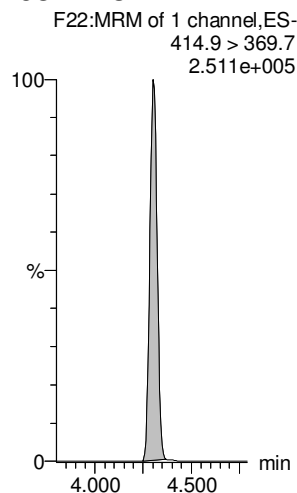
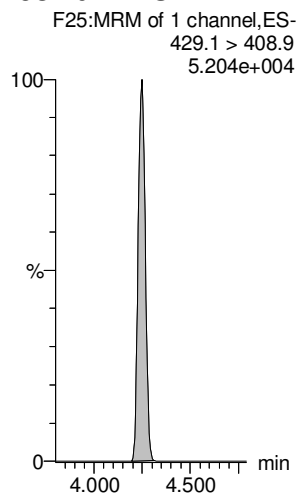
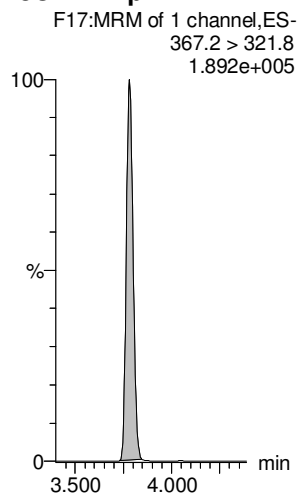
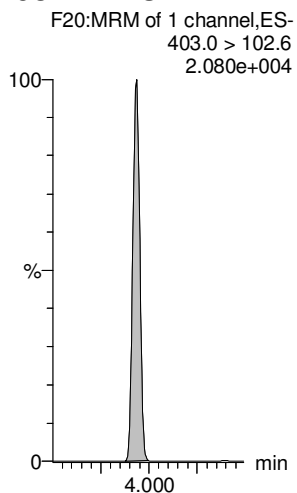
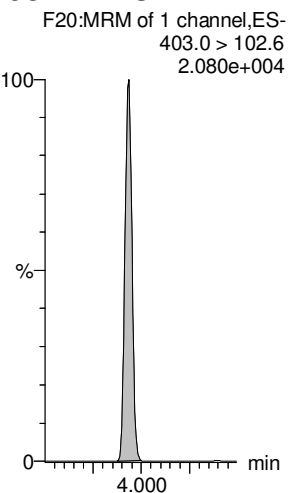
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



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PFHpS

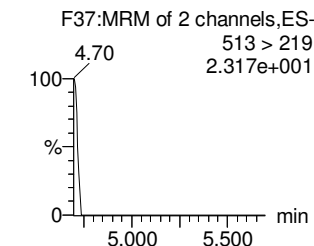
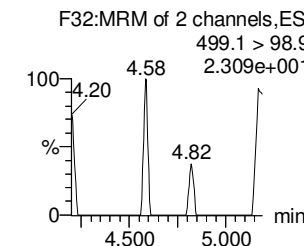
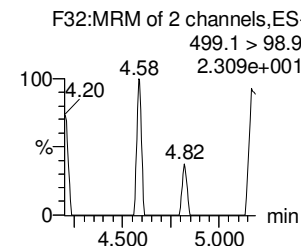
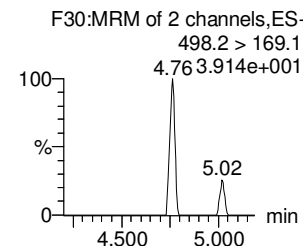
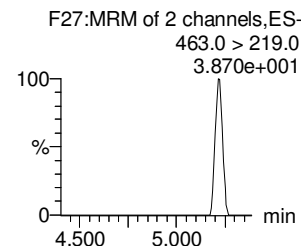
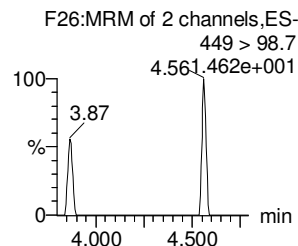
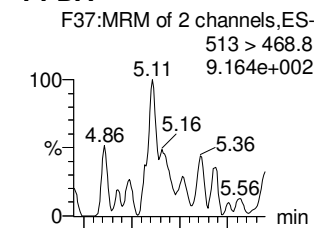
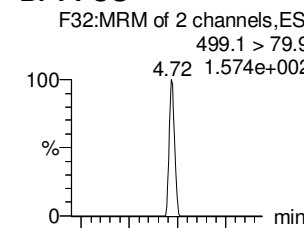
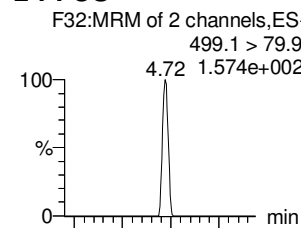
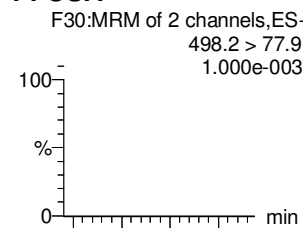
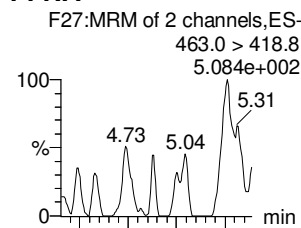
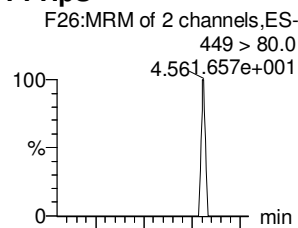
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

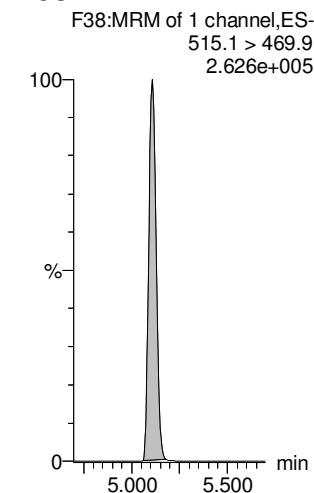
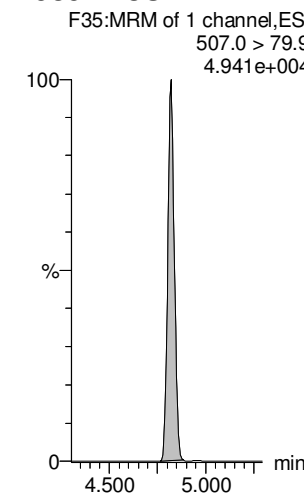
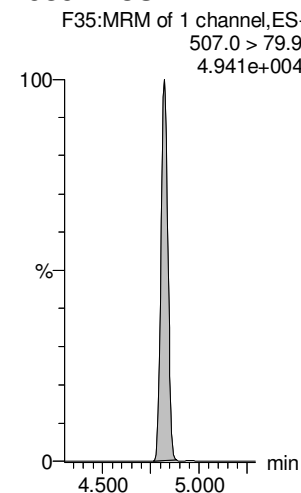
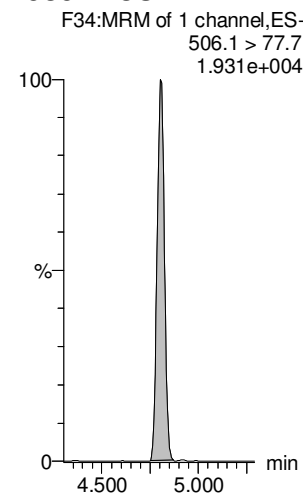
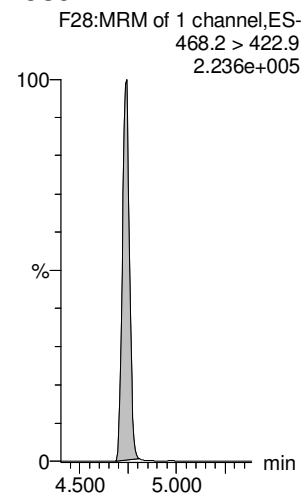
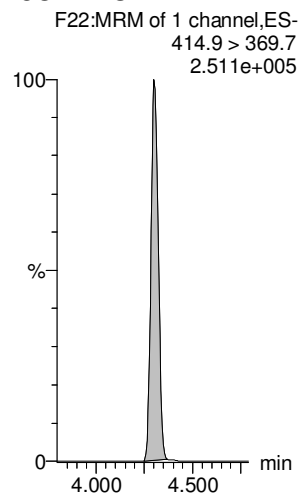
13C5-PFNA

13C8-PFOA

13C8-PFOS

13C8-PFOS

13C2-PFDA



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Name: 180528M1_101, Date: 29-May-2018, Time: 09:19:30, ID: 1801010-04 MW0052021180517MK 0.125, Description: MW0052021180517MK

8:2 FTS

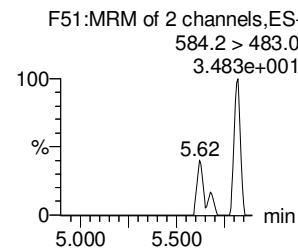
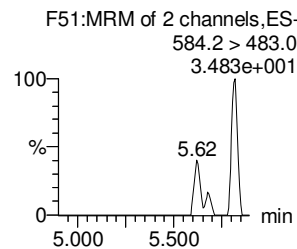
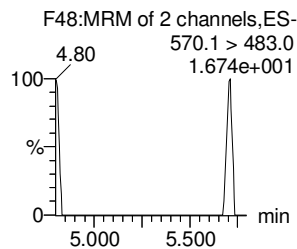
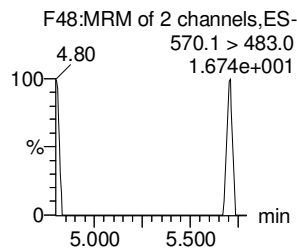
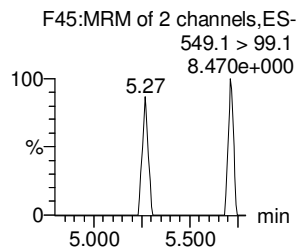
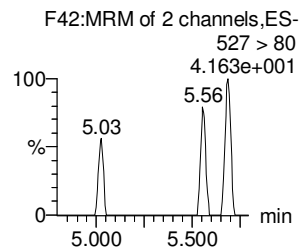
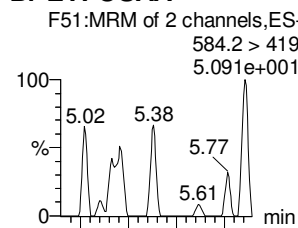
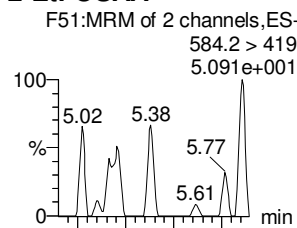
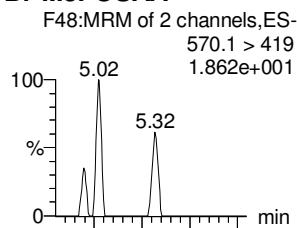
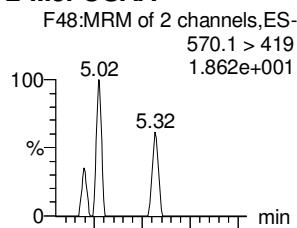
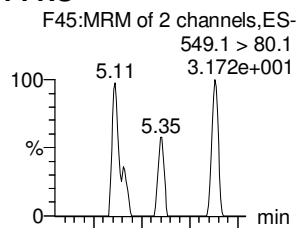
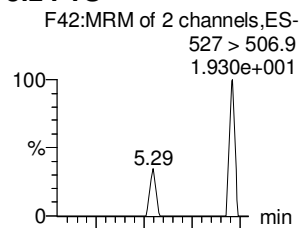
PFNS

L-MeFOSAA

Br-MeFOSAA

L-EtFOSAA

Br-ETFOSAA



13C2-8:2 FTS

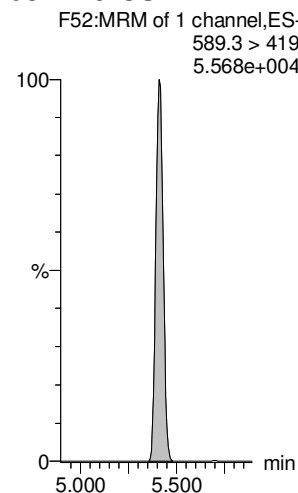
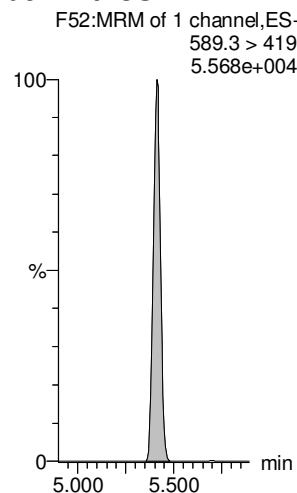
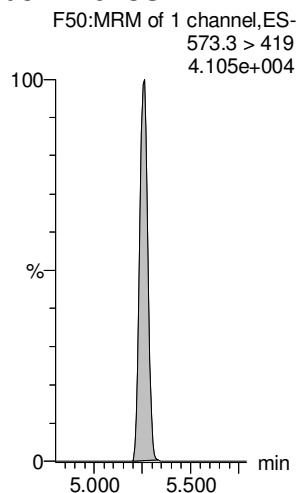
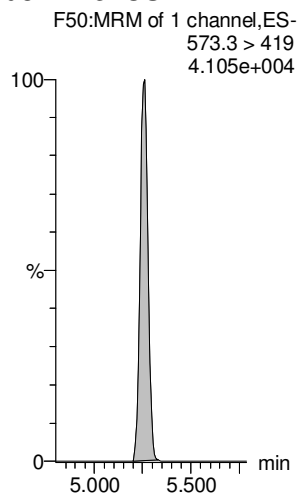
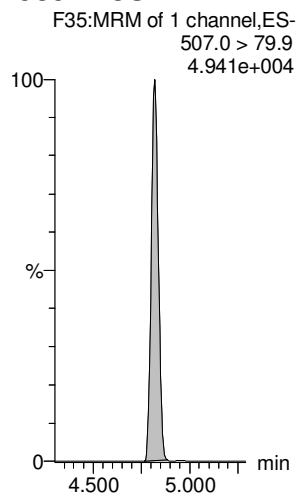
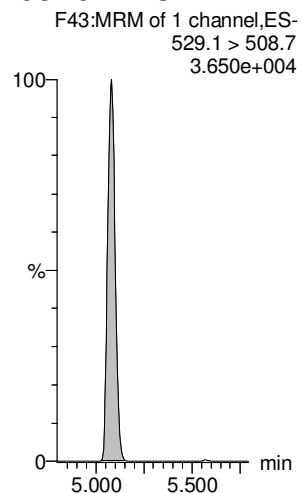
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d3-N-MeFOSAA

d3-N-MeFOSAA

d5-N-EtFOSAA

d5-N-EtFOSAA



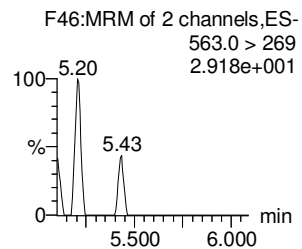
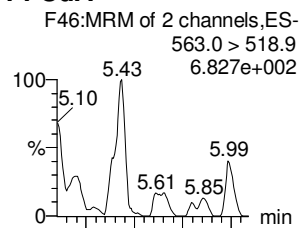
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-101.qld

Last Altered: Wednesday, May 30, 2018 10:57:42 Pacific Daylight Time

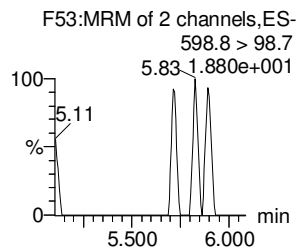
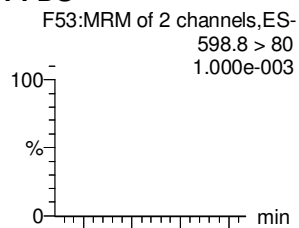
Printed: Wednesday, May 30, 2018 10:59:53 Pacific Daylight Time

Name: 180528M1_101, Date: 29-May-2018, Time: 09:19:30, ID: 1801010-04 MW0052021180517MK 0.125, Description: MW0052021180517MK

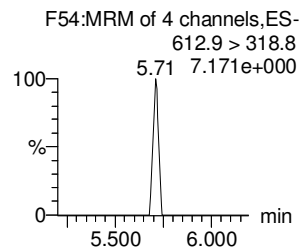
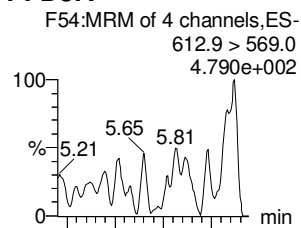
PFUdA



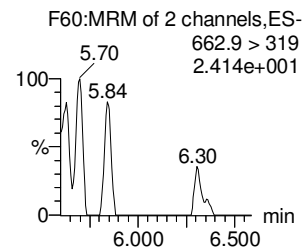
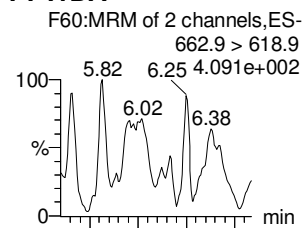
PFDS



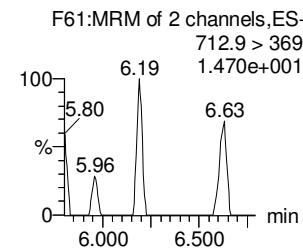
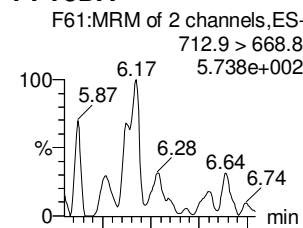
PFDoA



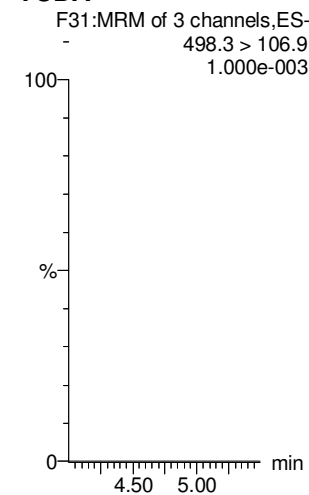
PFTrDA



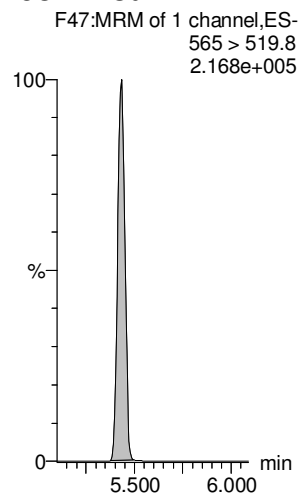
PFTeDA



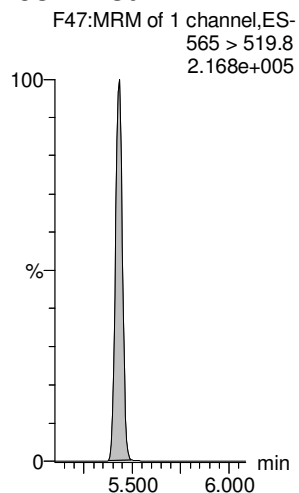
TCDA



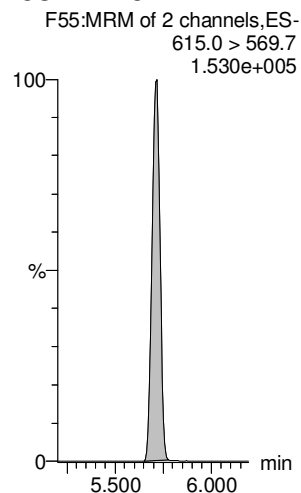
13C2-PFUdA



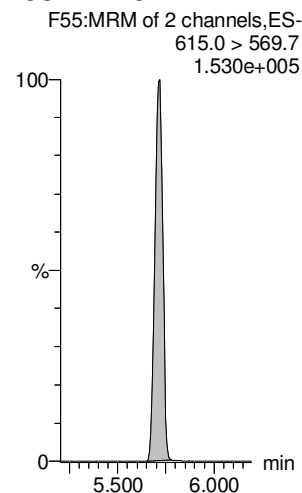
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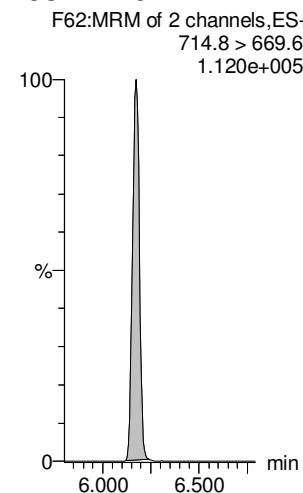
13C2-PFDoA



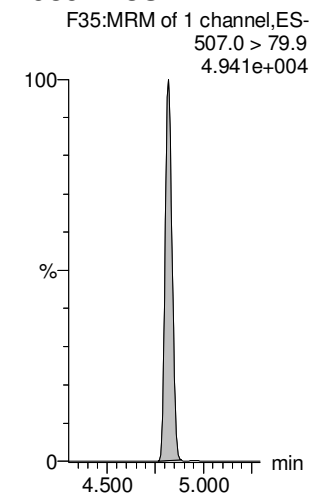
13C2-PFDoA



13C2-PFTeDA



13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-101.qld

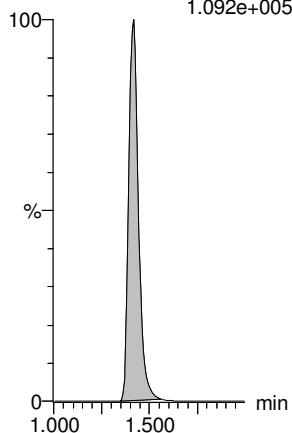
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Printed: Wednesday, May 30, 2018 10:59:53 Pacific Daylight Time

Name: 180528M1_101, Date: 29-May-2018, Time: 09:19:30, ID: 1801010-04 MW0052021180517MK 0.125, Description: MW0052021180517MK

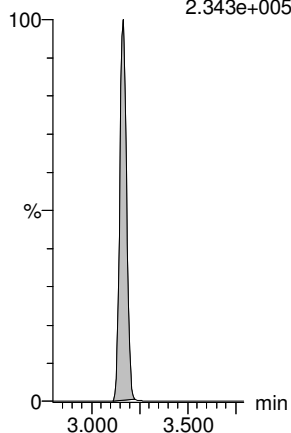
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.092e+005



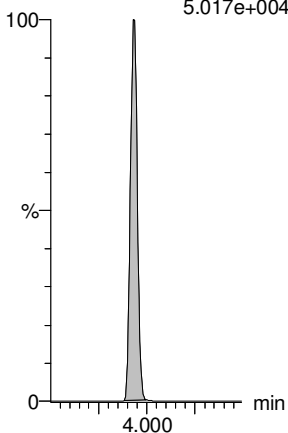
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
2.343e+005



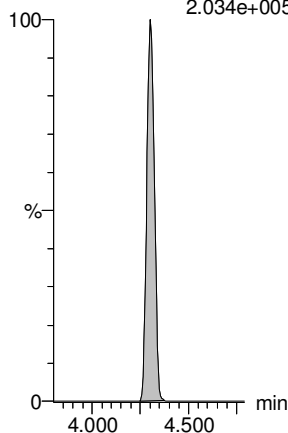
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
5.017e+004



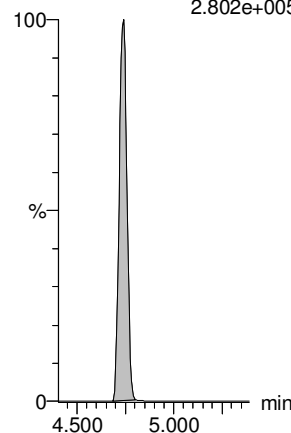
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
2.034e+005



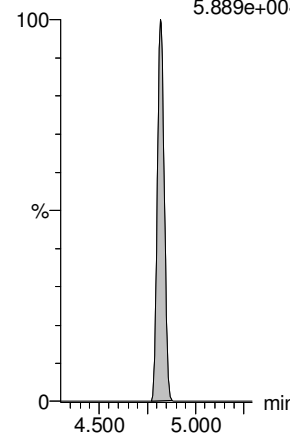
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.802e+005



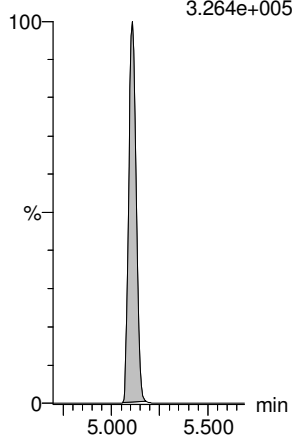
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.889e+004



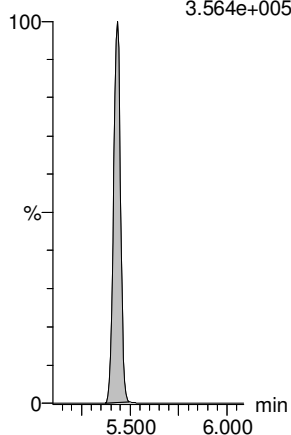
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
3.264e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.564e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-102.qld

Last Altered: Wednesday, May 30, 2018 11:01:30 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:01:49 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_102, Date: 29-May-2018, Time: 09:30:00, ID: 1801010-05 MW0056061180517RAP 0.125, Description: MW0056061180517RAP

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8		4.40e3	0.2439		1.41						
2	2 PFPeA	263.1 > 218.9		6.52e3	0.2439		2.39						
3	3 PFBS	299.0 > 79.7		8.46e2	0.2439		2.67						
4	4 4:2 FTS	327.2>307.2		1.70e3	0.2439		3.07						
5	5 PFHxA	313.2 > 268.9		2.61e3	0.2439		3.16						
6	6 PFPeS	349.1>80.1		8.46e2	0.2439		3.37						
7	7 PFHpA	363.0 > 318.9		5.97e3	0.2439		3.78						
8	8 L-PFHxS	398.9 > 79.6		6.82e2	0.2439		3.93						
9	9 Br-PFHxS	398.9 > 79.6		6.82e2	0.2439		3.80						
10	10 6:2 FTS	427.1 > 407	3.52e2	2.07e3	0.2439		4.23	4.25	2.13	8.137		3.545	NO
11	11 L-PFOA	413 > 368.7		1.15e4	0.2439		4.40						
12	12 Br-PFOA	413 > 368.7		1.15e4	0.2439		4.29						
13	13 PFHpS	449 > 80.0		1.15e4	0.2439		4.40						
14	14 PFNA	463.0 > 418.8		1.03e4	0.2439		4.73						
15	15 PFOSA	498.2 > 77.9		1.40e3	0.2439		4.79						
16	16 L-PFOS	499.1 > 79.9		1.92e3	0.2439		4.81						
17	17 Br-PFOS	499.1 > 79.9		1.92e3	0.2439		4.67						
18	18 PFDA	513 > 468.8		1.40e4	0.2439		5.10						
19	19 8:2 FTS	527 > 506.9		1.91e3	0.2439		5.07						
20	20 PFNS	549.1>80.1		1.92e3	0.2439		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.61e3	0.2439		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.61e3	0.2439		5.16						
23	23 L-EtFOSAA	584.2 > 419		3.19e3	0.2439		5.41						
24	24 Br-ETFOSAA	584.2 > 419		3.19e3	0.2439		5.32						
25	25 PFUdA	563.0 > 518.9		9.83e3	0.2439		5.42						
26	26 PFDS	598.8 > 80		9.83e3	0.2439		5.47						
27	27 PFDoA	612.9 > 569.0		1.31e4	0.2439		5.70						
28	29 PFTrDA	662.9 > 618.9		1.31e4	0.2439		5.95						
29	30 PFTeDA	712.9 > 668.8		9.82e3	0.2439		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.40e3	6.06e3	0.2439	0.847	1.39	1.41	9.07	43.903	85.7		
31	37 13C3-PFPeA	266. > 221.8	6.52e3	1.01e4	0.2439	0.852	2.37	2.38	8.04	38.664	75.4		
32	38 13C3-PFBS	302. > 98.8	8.46e2	1.01e4	0.2439	0.102	2.66	2.67	1.04	42.077	82.1		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-102.qld

Last Altered: Wednesday, May 30, 2018 11:01:30 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:01:49 Pacific Daylight Time

Name: 180528M1_102, Date: 29-May-2018, Time: 09:30:00, ID: 1801010-05 MW0056061180517RAP 0.125, Description: MW0056061180517RAP

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.70e3	1.01e4	0.2439	0.233	3.06	3.07	2.09	36.712	71.6	
34	40	13C2-PFHxA	315 > 269.8	2.61e3	1.01e4	0.2439	0.720	3.15	3.17	3.21	18.280	89.2	
35	41	13C4-PFHpA	367.2 > 321.8	5.97e3	1.01e4	0.2439	0.795	3.76	3.78	7.36	37.947	74.0	
36	42	18O2-PFHxS	403.0 > 102.6	6.82e2	2.13e3	0.2439	0.421	3.92	3.93	4.01	39.084	76.3	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.07e3	9.34e3	0.2439	0.280	4.23	4.25	2.77	40.456	78.9	
38	44	13C2-PFOA	414.9 > 369.7	1.15e4	9.34e3	0.2439	1.477	4.29	4.30	15.3	42.571	83.1	
39	45	13C5-PFNA	468.2 > 422.9	1.03e4	1.40e4	0.2439	0.955	4.73	4.73	9.20	39.506	77.1	
40	46	13C8-PFOSA	506.1 > 77.7	1.40e3	1.67e4	0.2439	0.151	4.79	4.80	1.05	28.380	55.4	
41	47	13C8-PFOS	507.0 > 79.9	1.92e3	2.25e3	0.2439	1.023	4.81	4.82	10.7	42.770	83.5	
42	48	13C2-PFDA	515.1 > 469.9	1.40e4	1.43e4	0.2439	1.200	5.10	5.11	12.3	41.871	81.7	
43	49	13C2-8:2 FTS	529.1 > 508.7	1.91e3	1.01e4	0.2439	0.224	5.07	5.08	2.36	43.146	84.2	
44	50	d3-N-MeFOSAA	573.3 > 419	2.61e3	1.67e4	0.2439	0.231	5.25	5.26	1.95	34.592	67.5	
45	51	d5-N-EtFOSAA	589.3 > 419	3.19e3	1.67e4	0.2439	0.259	5.41	5.41	2.39	37.824	73.8	
46	52	13C2-PFUdA	565 > 519.8	9.83e3	1.67e4	0.2439	0.996	5.42	5.43	7.35	30.224	59.0	
47	53	13C2-PFDoA	615.0 > 569.7	1.31e4	1.43e4	0.2439	1.247	5.70	5.71	11.5	37.647	73.5	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.67e4	0.2439	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	9.82e3	1.67e4	0.2439	0.792	6.17	6.17	7.34	38.003	74.2	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.67e4	0.2439	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	6.78e3	1.67e4	0.2439	1.211	6.50	6.50	5.07	17.154	83.7	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.67e4	0.2439	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.67e4	0.2439	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	6.06e3	6.06e3	0.2439	1.000	1.39	1.42	12.5	51.248	100.0	
55	61	13C5-PFHxA	318 > 272.9	1.01e4	1.01e4	0.2439	1.000	3.14	3.17	12.5	51.248	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.13e3	2.13e3	0.2439	1.000	3.92	3.93	12.5	51.248	100.0	
57	63	13C8-PFOA	421.3 > 376	9.34e3	9.34e3	0.2439	1.000	4.29	4.30	12.5	51.248	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.40e4	1.40e4	0.2439	1.000	4.72	4.74	12.5	51.248	100.0	
59	65	13C4-PFOS	503 > 79.9	2.25e3	2.25e3	0.2439	1.000	4.81	4.82	12.5	51.248	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.43e4	1.43e4	0.2439	1.000	5.10	5.11	12.5	51.248	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.67e4	1.67e4	0.2439	1.000	5.42	5.43	12.5	51.248	100.0	
62	68	Total PFHxS	398.9 > 79.6	0.00e0	6.82e2	0.2439		4.05		0.000			
63	69	Total PFOA	413 > 368.7	0.00e0	1.15e4	0.2439		4.30		0.000			
64	70	Total PFOS	499.1 > 79.9	0.00e0	1.92e3	0.2439		4.90		0.000			
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.61e3	0.2439		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.19e3	0.2439		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-102.qld

Last Altered: Wednesday, May 30, 2018 11:01:30 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:01:49 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_102, Date: 29-May-2018, Time: 09:30:00, ID: 1801010-05 MW0056061180517RAP 0.125, Description: MW0056061180517RAP

PFBA

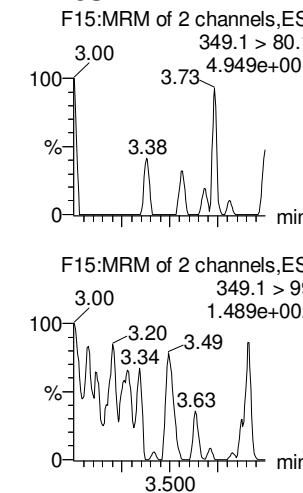
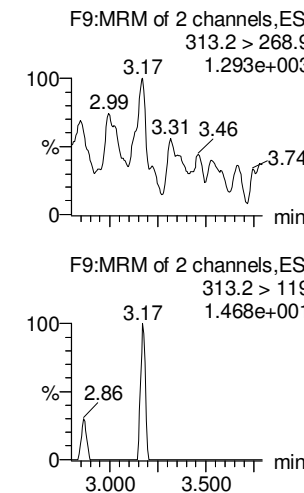
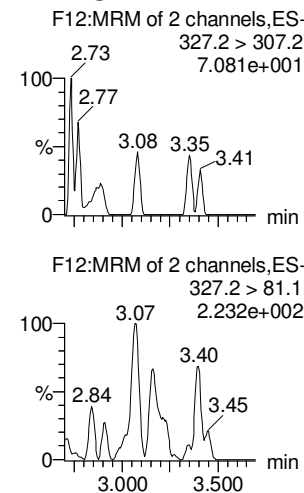
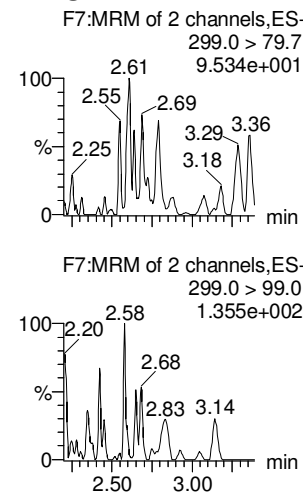
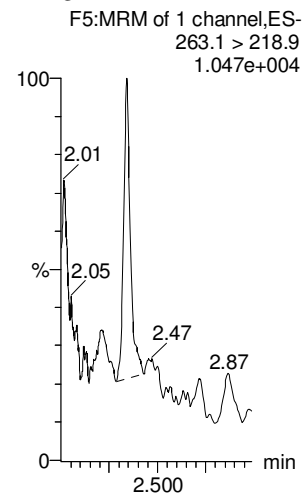
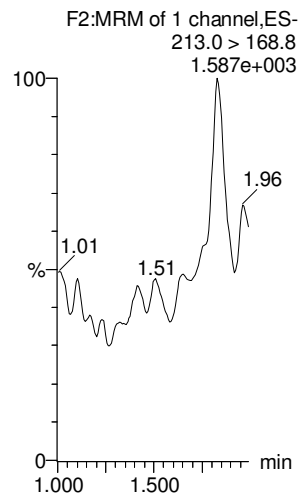
PFPeA

PFBS

4:2 FTS

PFHxA

PFPeS



13C3-PFBA

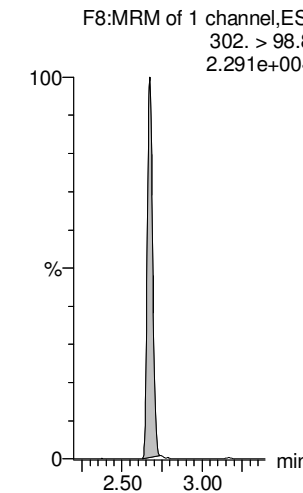
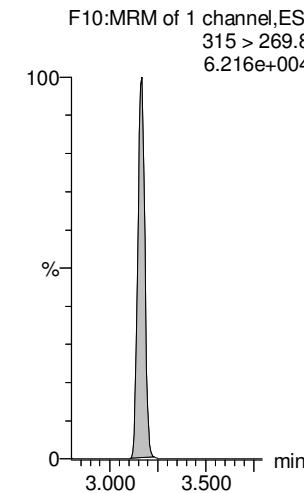
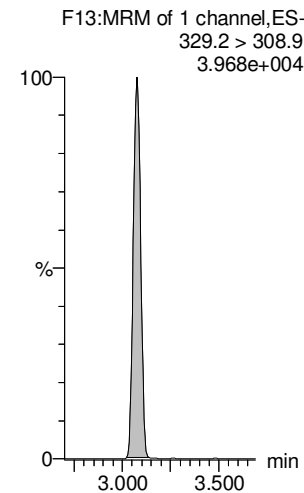
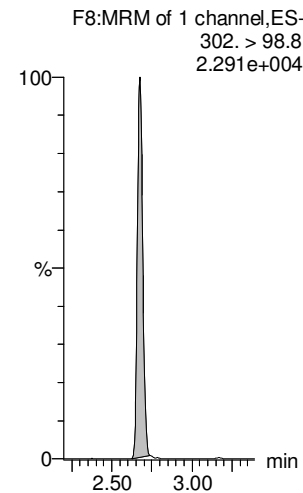
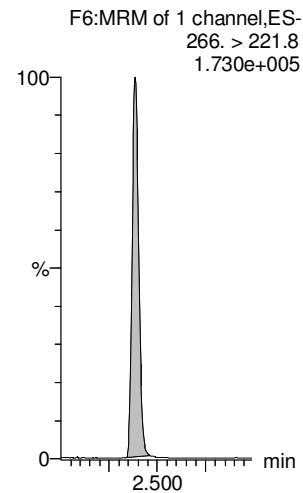
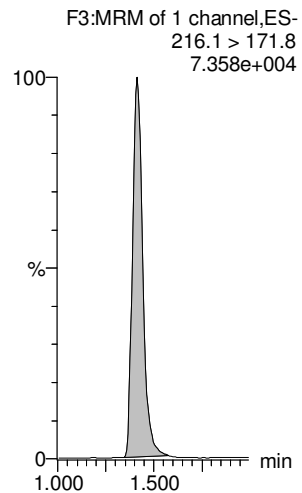
13C3-PFPeA

13C3-PFBS

13C2-4:2 FTS

13C2-PFHxA

13C3-PFBS



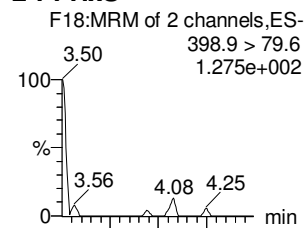
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Last Altered: Wednesday, May 30, 2018 11:01:30 Pacific Daylight Time

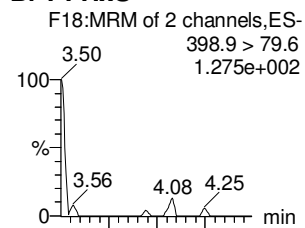
Printed: Wednesday, May 30, 2018 11:01:49 Pacific Daylight Time

Name: 180528M1_102, Date: 29-May-2018, Time: 09:30:00, ID: 1801010-05 MW0056061180517RAP 0.125, Description: MW0056061180517RAP

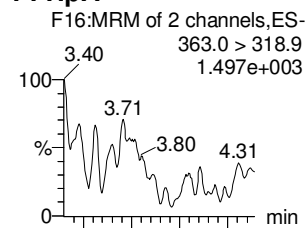
L-PFHxS



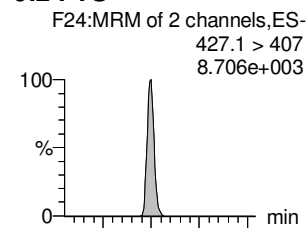
Br-PFHxS



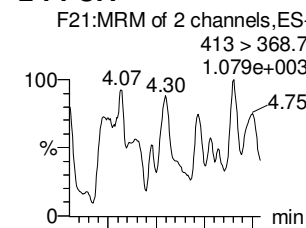
PFHpA



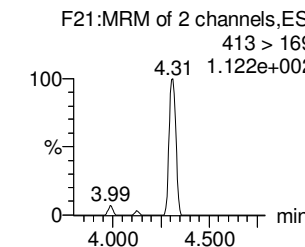
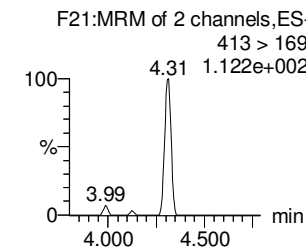
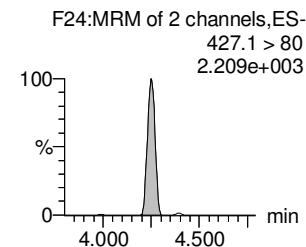
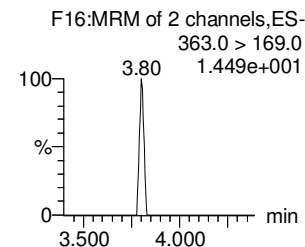
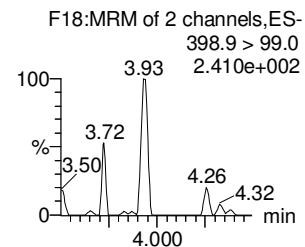
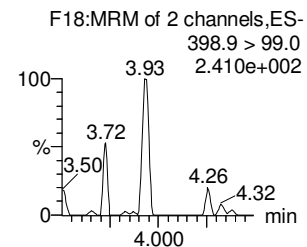
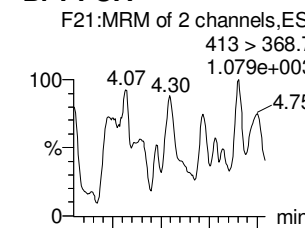
6:2 FTS



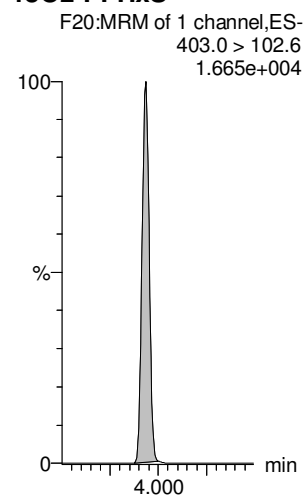
L-PFOA



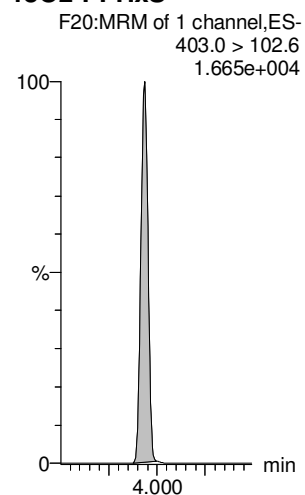
Br-PFOA



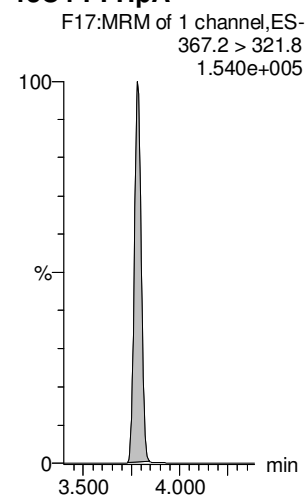
18O2-PFHxS



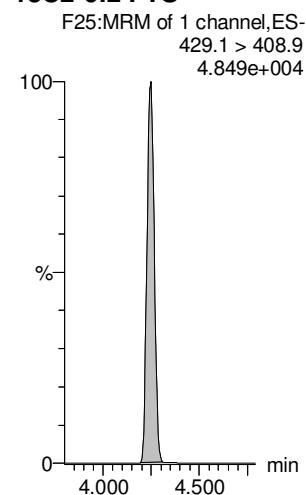
18O2-PFHxS



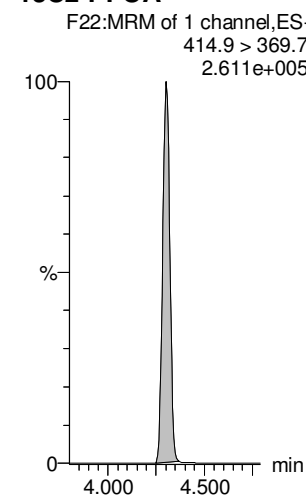
13C4-PFHpa



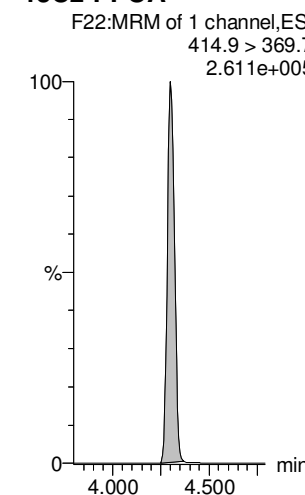
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-102.qld

Last Altered: Wednesday, May 30, 2018 11:01:30 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:01:49 Pacific Daylight Time

Name: 180528M1_102, Date: 29-May-2018, Time: 09:30:00, ID: 1801010-05 MW0056061180517RAP 0.125, Description: MW0056061180517RAP

PFHpS

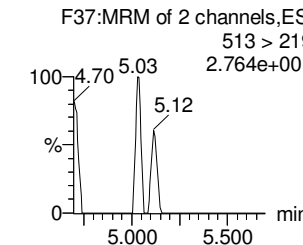
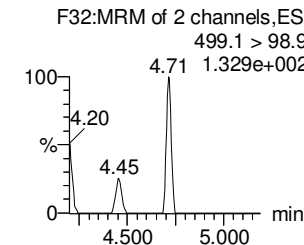
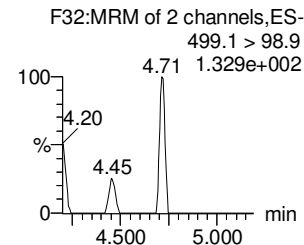
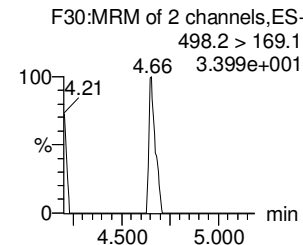
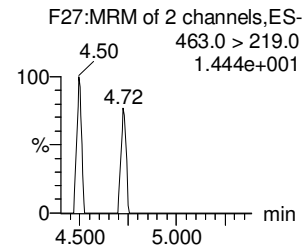
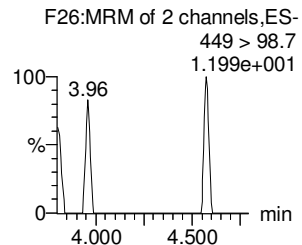
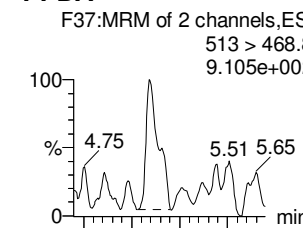
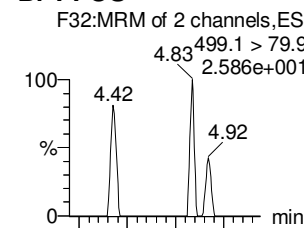
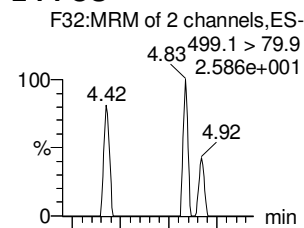
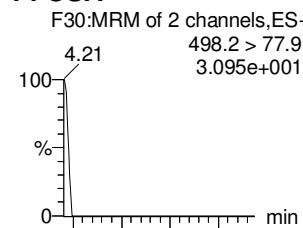
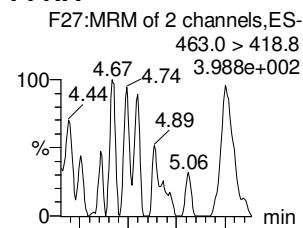
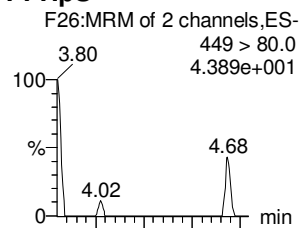
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

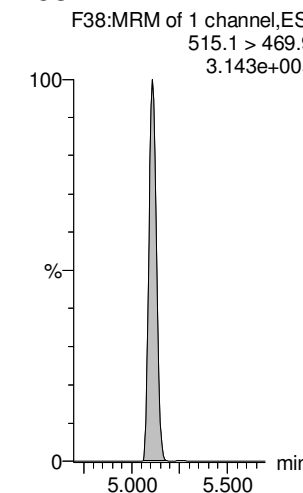
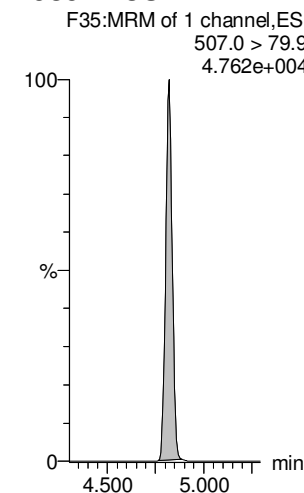
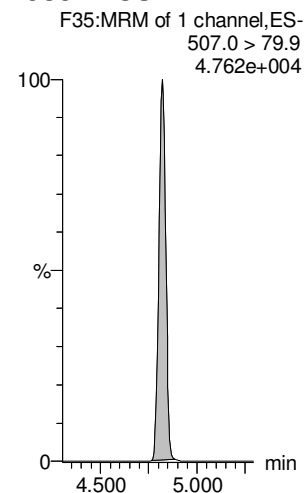
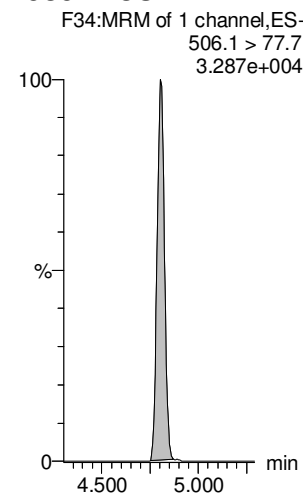
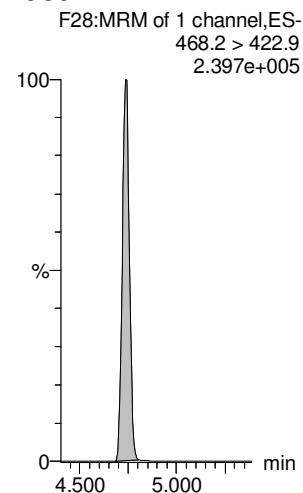
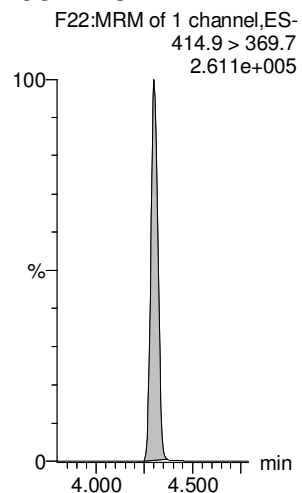
13C5-PFNA

13C8-PFOA

13C8-PFOS

13C8-PFOS

13C2-PFDA



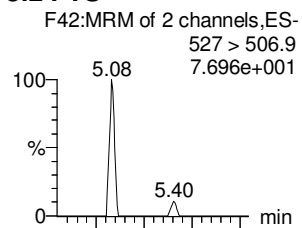
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-102.qld

Last Altered: Wednesday, May 30, 2018 11:01:30 Pacific Daylight Time

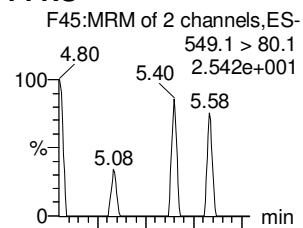
Printed: Wednesday, May 30, 2018 11:01:49 Pacific Daylight Time

Name: 180528M1_102, Date: 29-May-2018, Time: 09:30:00, ID: 1801010-05 MW0056061180517RAP 0.125, Description: MW0056061180517RAP

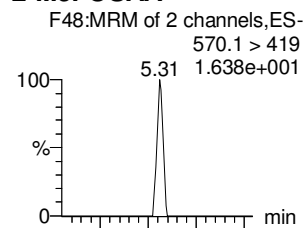
8:2 FTS



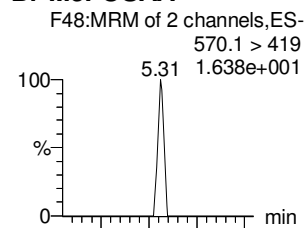
PFNS



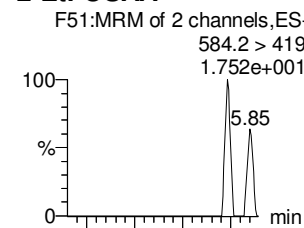
L-MeFOSAA



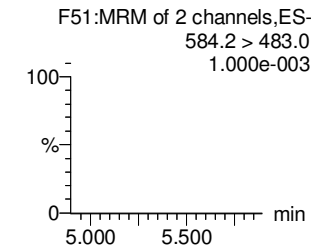
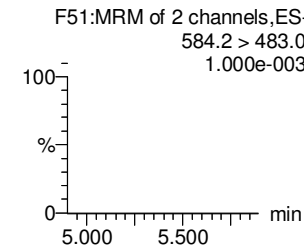
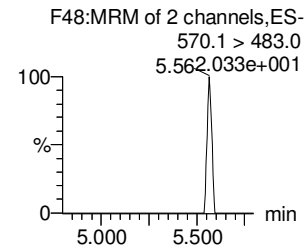
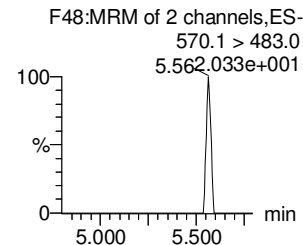
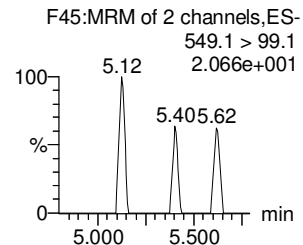
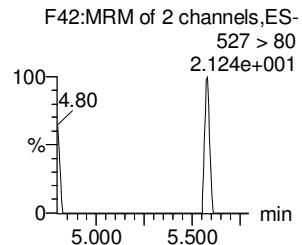
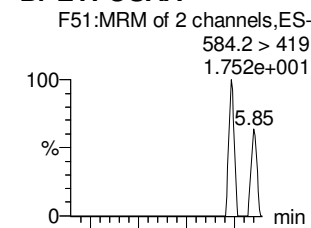
Br-MeFOSAA



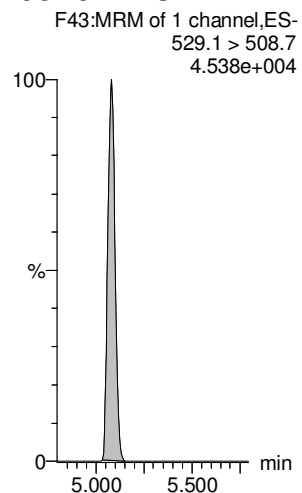
L-EtFOSAA



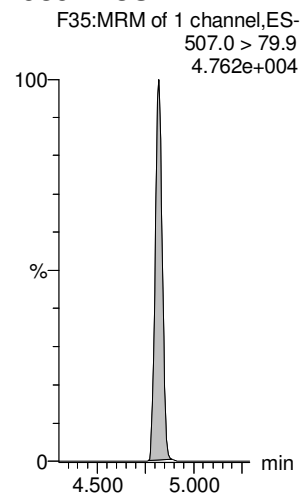
Br-ETFOSAA



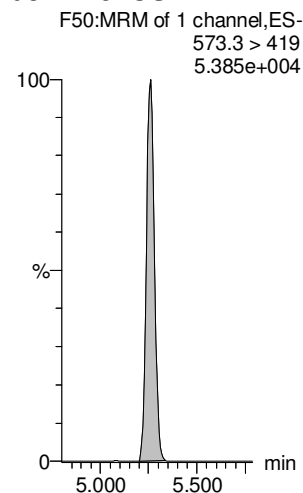
13C2-8:2 FTS



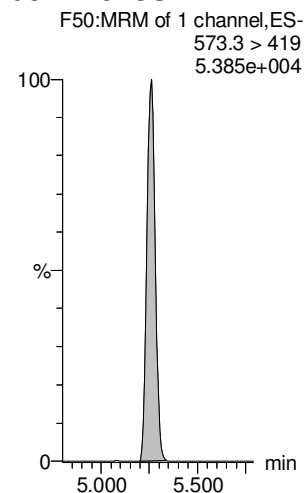
13C8-PFOS



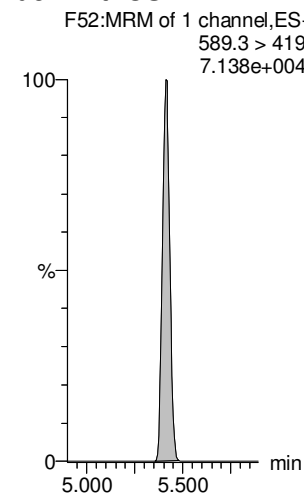
d3-N-MeFOSAA



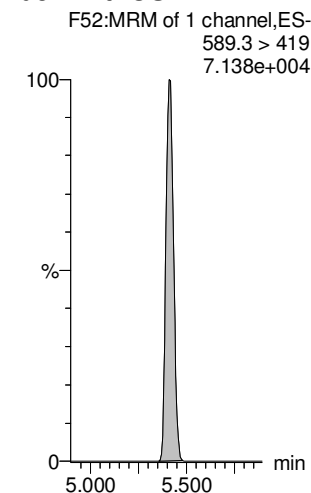
d3-N-MeFOSAA



d5-N-EtFOSAA



d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-102.qld

Last Altered: Wednesday, May 30, 2018 11:01:30 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:01:49 Pacific Daylight Time

Name: 180528M1_102, Date: 29-May-2018, Time: 09:30:00, ID: 1801010-05 MW0056061180517RAP 0.125, Description: MW0056061180517RAP

PFUdA

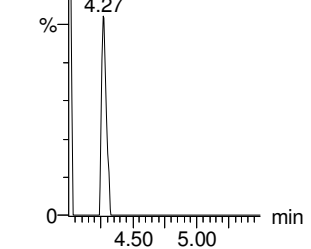
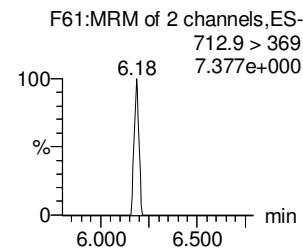
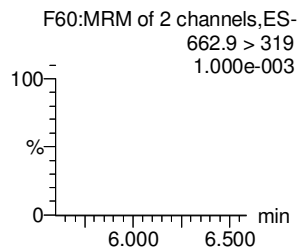
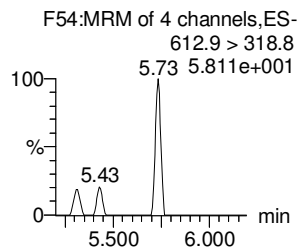
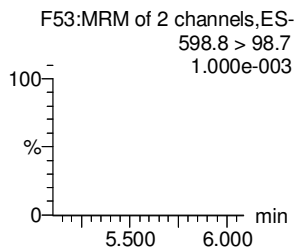
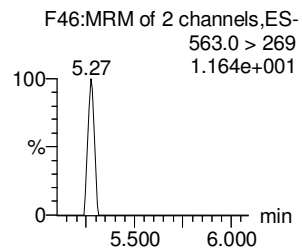
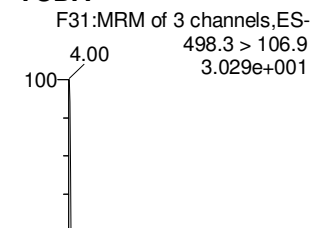
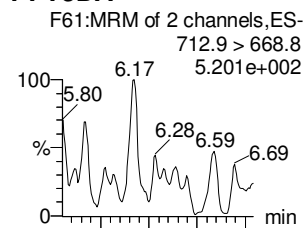
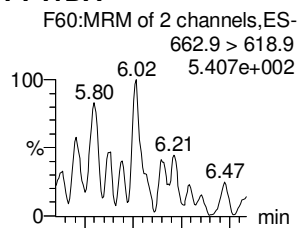
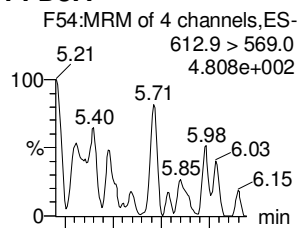
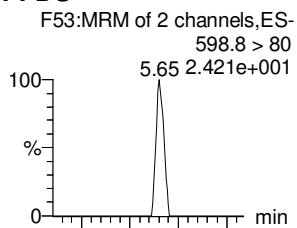
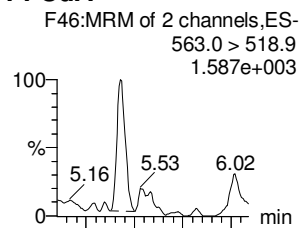
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

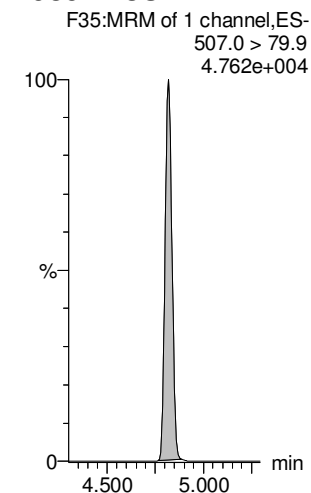
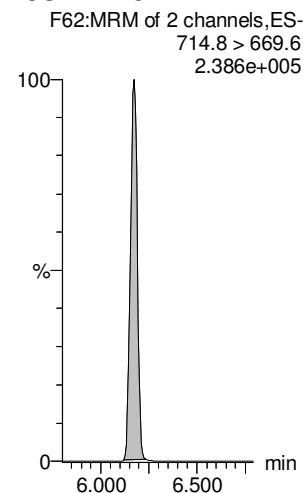
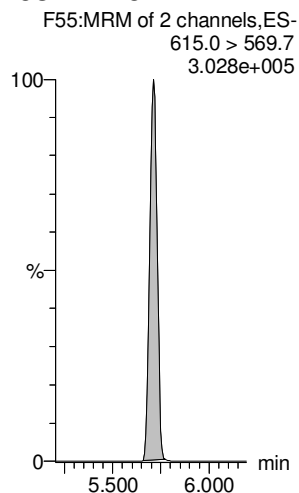
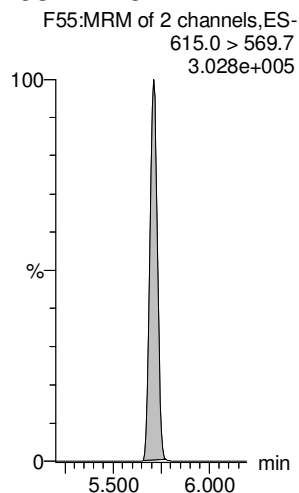
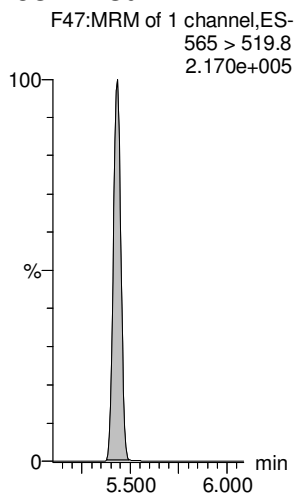
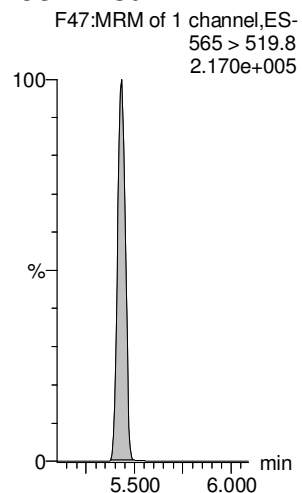
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-102.qld

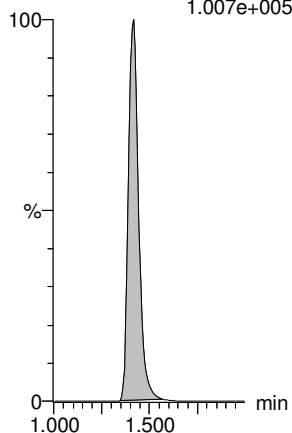
Last Altered: Wednesday, May 30, 2018 11:01:30 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:01:49 Pacific Daylight Time

Name: 180528M1_102, Date: 29-May-2018, Time: 09:30:00, ID: 1801010-05 MW0056061180517RAP 0.125, Description: MW0056061180517RAP

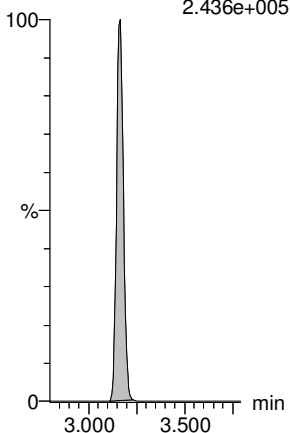
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.007e+005



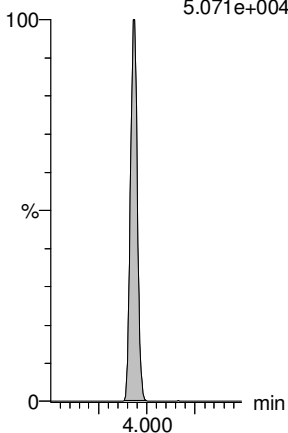
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
2.436e+005



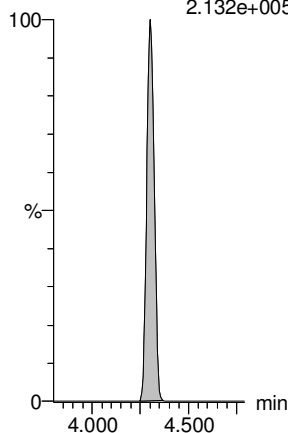
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
5.071e+004



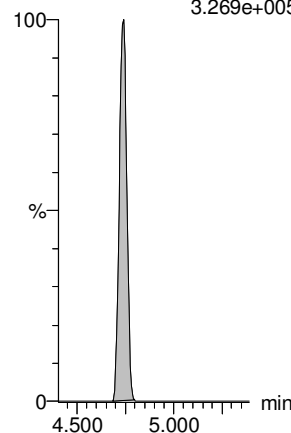
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
2.132e+005



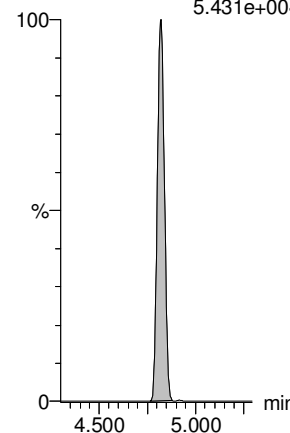
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
3.269e+005



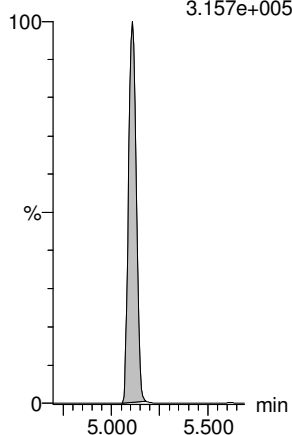
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.431e+004



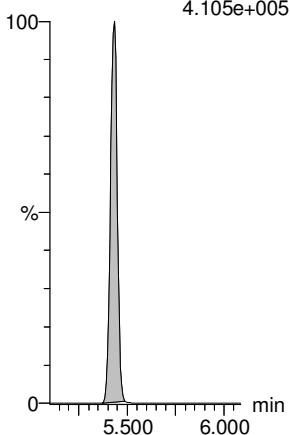
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
3.157e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
4.105e+005



MM 6/6/2018

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-21.qld

Last Altered: Tuesday, June 05, 2018 10:04:26 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 14:34:29 Pacific Daylight Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: Z:\Projects\PFAS.pro\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_21, Date: 03-Jun-2018, Time: 21:29:49, ID: 1801010-05RE1 MW0056061180517RAP 0.23251, Description: MW0056061180517RAP

#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	10 6:2 FTS	427.1 > 407	9.27e2	3.55e3	0.2325		4.19	4.20	3.27	11.6		3.138	NO
2	26 PFDS	598.8 > 80		2.16e4	0.2325		5.44						
3	43 13C2-6:2 FTS	429.1 > 408.9	3.55e3	1.67e4	0.2325	0.232	4.19	4.20	2.66	49.4	91.9		
4	52 13C2-PFUdA	565 > 519.8	2.16e4	2.57e4	0.2325	0.958	5.39	5.37	10.5	47.1	87.6		
5	63 13C8-PFOA	421.3 > 376	1.67e4	1.67e4	0.2325	1.000	4.25	4.25	12.5	53.8	100.0		
6	67 13C7-PFUdA	570.1 > 524.8	2.57e4	2.57e4	0.2325	1.000	5.39	5.37	12.5	53.8	100.0		

MM 6/6/2018

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-21.qld

Last Altered: Tuesday, June 05, 2018 10:04:26 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 14:34:29 Pacific Daylight Time

Method: Z:\Projects\PFAS.pro\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

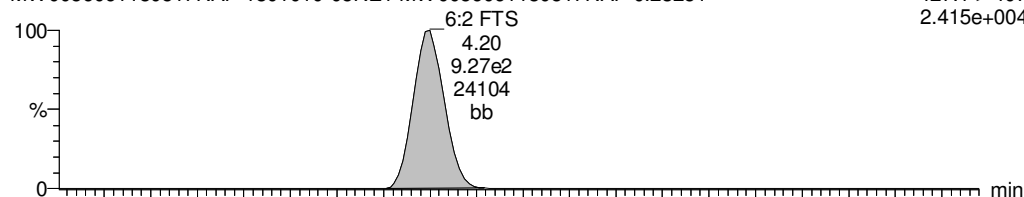
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Name: 180603M2_21, Date: 03-Jun-2018, Time: 21:29:49, ID: 1801010-05RE1 MW0056061180517RAP 0.23251, Description: MW0056061180517RAP

6:2 FTS

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MW0056061180517RAP 1801010-05RE1 MW0056061180517RAP 0.23251

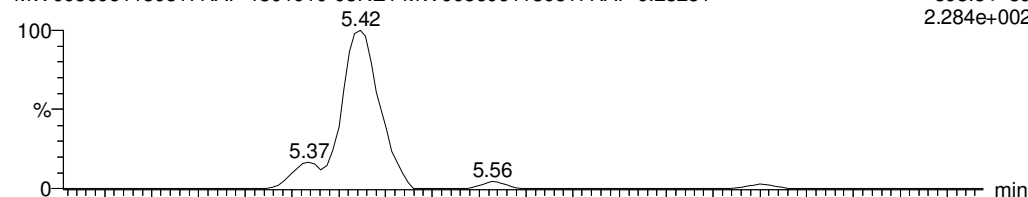
F24:MRM of 2 channels,ES-
427.1 > 407
2.415e+004



PFDS

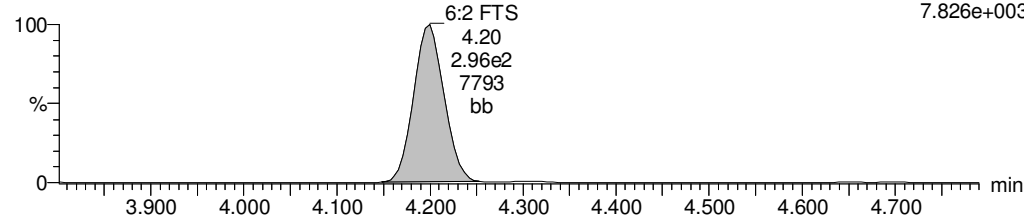
180603M2_21 Smooth(Mn,1x2)
MW0056061180517RAP 1801010-05RE1 MW0056061180517RAP 0.23251

F53:MRM of 2 channels,ES-
598.8 > 80
2.284e+002



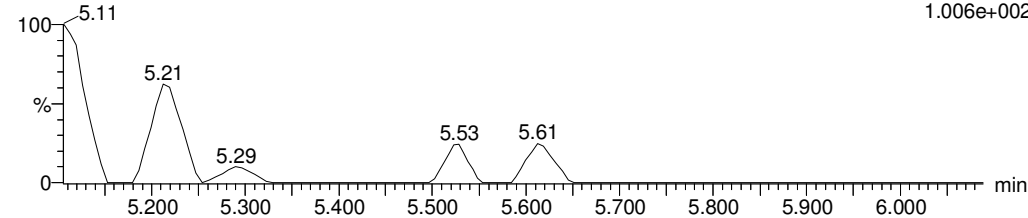
180603M2_21 Smooth(Mn,1x2)
MW0056061180517RAP 1801010-05RE1 MW0056061180517RAP 0.23251

F24:MRM of 2 channels,ES-
427.1 > 80
7.826e+003



180603M2_21 Smooth(Mn,1x2)
MW0056061180517RAP 1801010-05RE1 MW0056061180517RAP 0.23251

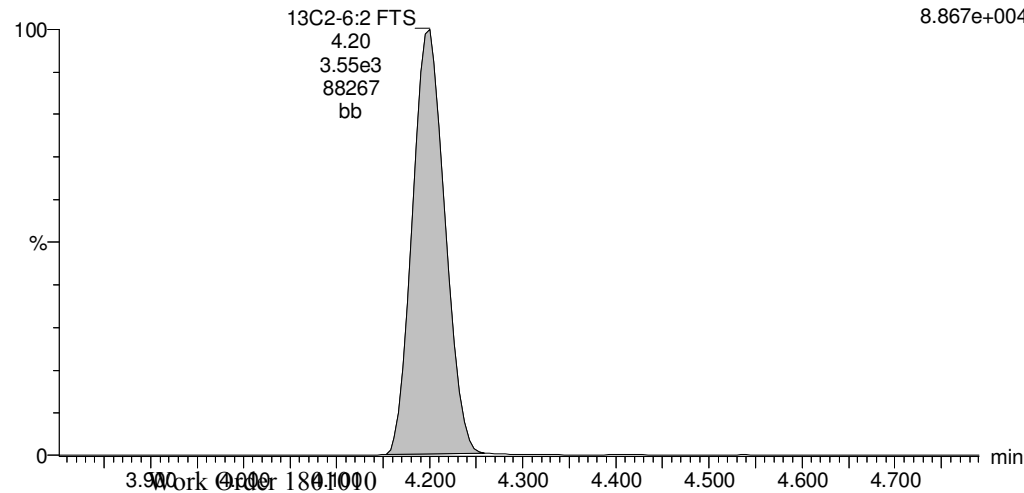
F53:MRM of 2 channels,ES-
598.8 > 98.7
1.006e+002



13C2-6:2 FTS

180603M2_21 Smooth(Mn,1x2)
MW0056061180517RAP 1801010-05RE1 MW0056061180517RAP 0.23251

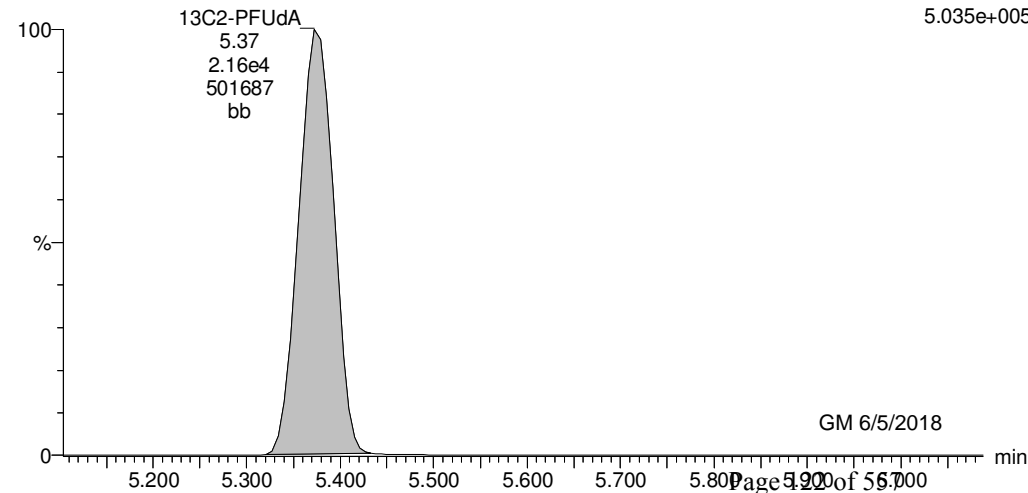
F25:MRM of 1 channel,ES-
429.1 > 408.9
8.867e+004



13C2-PFUDa

180603M2_21 Smooth(Mn,1x2)
MW0056061180517RAP 1801010-05RE1 MW0056061180517RAP 0.23251

F47:MRM of 1 channel,ES-
565 > 519.8
5.035e+005



GM 6/5/2018

MM 6/6/2018

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-21.qld

Last Altered: Tuesday, June 05, 2018 10:04:26 Pacific Daylight Time

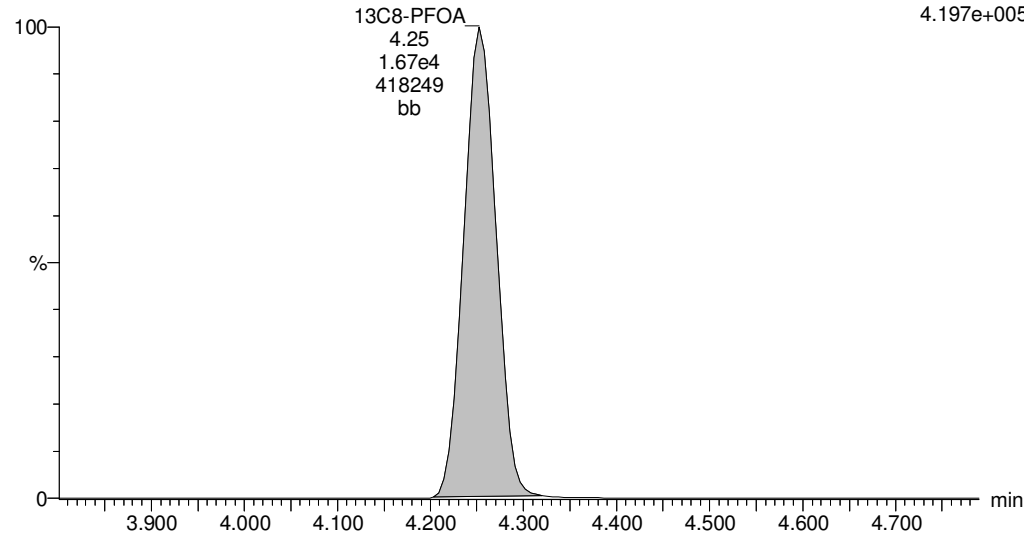
Printed: Tuesday, June 05, 2018 14:34:29 Pacific Daylight Time

Name: 180603M2_21, Date: 03-Jun-2018, Time: 21:29:49, ID: 1801010-05RE1 MW0056061180517RAP 0.23251, Description: MW0056061180517RAP

13C8-PFOA

180603M2_21 Smooth(Mn,1x2)
MW0056061180517RAP 1801010-05RE1 MW0056061180517RAP 0.23251

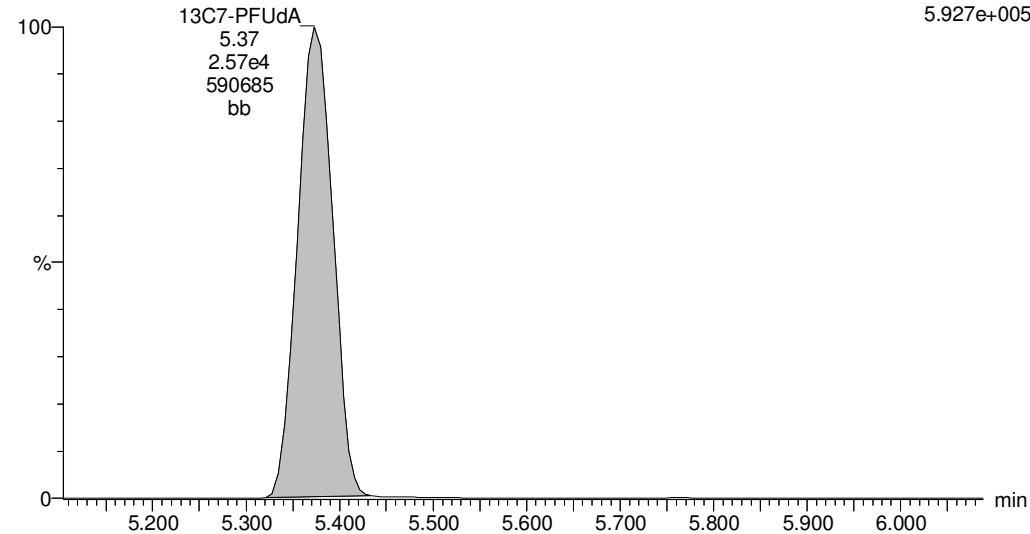
F23:MRM of 1 channel,ES-
421.3 > 376
4.197e+005



13C7-PFUdA

180603M2_21 Smooth(Mn,1x2)
MW0056061180517RAP 1801010-05RE1 MW0056061180517RAP 0.23251

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.927e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-103.qld

Last Altered: Wednesday, May 30, 2018 11:04:08 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:04:35 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_103, Date: 29-May-2018, Time: 09:40:22, ID: 1801010-06 MW0071920180517RAP 0.125, Description: MW0071920180517RAP

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8		4.66e3	0.2519		1.40						
2	2 PFPeA	263.1 > 218.9		7.04e3	0.2519		2.39						
3	3 PFBS	299.0 > 79.7		9.90e2	0.2519		2.68						
4	4 4:2 FTS	327.2>307.2		1.86e3	0.2519		3.08						
5	5 PFHxA	313.2 > 268.9		2.58e3	0.2519		3.16						
6	6 PFPeS	349.1>80.1		9.90e2	0.2519		3.37						
7	7 PFHpA	363.0 > 318.9		7.20e3	0.2519		3.78						
8	8 L-PFHxS	398.9 > 79.6		8.06e2	0.2519		3.93						
9	9 Br-PFHxS	398.9 > 79.6		8.06e2	0.2519		3.80						
10	10 6:2 FTS	427.1 > 407	1.67e1	2.36e3	0.2519		4.23	4.25	0.0886			7.877	YES
11	11 L-PFOA	413 > 368.7		1.05e4	0.2519		4.40						
12	12 Br-PFOA	413 > 368.7		1.05e4	0.2519		4.29						
13	13 PFHpS	449 > 80.0		1.05e4	0.2519		4.40						
14	14 PFNA	463.0 > 418.8		1.08e4	0.2519		4.73						
15	15 PFOSA	498.2 > 77.9		1.31e3	0.2519		4.79						
16	16 L-PFOS	499.1 > 79.9		2.32e3	0.2519		4.81						
17	17 Br-PFOS	499.1 > 79.9		2.32e3	0.2519		4.67						
18	18 PFDA	513 > 468.8		1.33e4	0.2519		5.10						
19	19 8:2 FTS	527 > 506.9		1.92e3	0.2519		5.07						
20	20 PFNS	549.1>80.1		2.32e3	0.2519		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.91e3	0.2519		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.91e3	0.2519		5.16						
23	23 L-EtFOSAA	584.2 > 419		3.17e3	0.2519		5.41						
24	24 Br-ETFOSAA	584.2 > 419		3.17e3	0.2519		5.32						
25	25 PFUdA	563.0 > 518.9		1.12e4	0.2519		5.42						
26	26 PFDS	598.8 > 80		1.12e4	0.2519		5.47						
27	27 PFDoA	612.9 > 569.0		1.29e4	0.2519		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.29e4	0.2519		5.95						
29	30 PFTeDA	712.9 > 668.8		9.74e3	0.2519		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.66e3	5.73e3	0.2519	0.847	1.39	1.41	10.2	47.614	96.0		
31	37 13C3-PFPeA	266. > 221.8	7.04e3	9.23e3	0.2519	0.852	2.37	2.38	9.53	44.384	89.4		
32	38 13C3-PFBS	302. > 98.8	9.90e2	9.23e3	0.2519	0.102	2.66	2.68	1.34	52.437	105.7		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-103.qld

Last Altered: Wednesday, May 30, 2018 11:04:08 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:04:35 Pacific Daylight Time

Name: 180528M1_103, Date: 29-May-2018, Time: 09:40:22, ID: 1801010-06 MW0071920180517RAP 0.125, Description: MW0071920180517RAP

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.86e3	9.23e3	0.2519	0.233	3.06	3.08	2.51	42.718	86.1	
34	40	13C2-PFHxA	315 > 269.8	2.58e3	9.23e3	0.2519	0.720	3.15	3.17	3.49	19.244	97.0	
35	41	13C4-PFHpA	367.2 > 321.8	7.20e3	9.23e3	0.2519	0.795	3.76	3.78	9.74	48.653	98.0	
36	42	18O2-PFHxS	403.0 > 102.6	8.06e2	2.11e3	0.2519	0.421	3.92	3.93	4.78	45.141	91.0	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.36e3	8.22e3	0.2519	0.280	4.23	4.25	3.58	50.709	102.2	
38	44	13C2-PFOA	414.9 > 369.7	1.05e4	8.22e3	0.2519	1.477	4.29	4.30	16.0	42.972	86.6	
39	45	13C5-PFNA	468.2 > 422.9	1.08e4	1.25e4	0.2519	0.955	4.73	4.74	10.7	44.638	90.0	
40	46	13C8-PFOSA	506.1 > 77.7	1.31e3	1.67e4	0.2519	0.151	4.79	4.80	0.981	25.765	51.9	
41	47	13C8-PFOS	507.0 > 79.9	2.32e3	2.29e3	0.2519	1.023	4.81	4.82	12.7	49.142	99.0	
42	48	13C2-PFDA	515.1 > 469.9	1.33e4	1.37e4	0.2519	1.200	5.10	5.11	12.1	40.136	80.9	
43	49	13C2-8:2 FTS	529.1 > 508.7	1.92e3	9.23e3	0.2519	0.224	5.07	5.08	2.60	46.099	92.9	
44	50	d3-N-MeFOSAA	573.3 > 419	2.91e3	1.67e4	0.2519	0.231	5.25	5.26	2.18	37.375	75.3	
45	51	d5-N-EtFOSAA	589.3 > 419	3.17e3	1.67e4	0.2519	0.259	5.41	5.42	2.37	36.357	73.3	
46	52	13C2-PFUdA	565 > 519.8	1.12e4	1.67e4	0.2519	0.996	5.42	5.43	8.34	33.226	67.0	
47	53	13C2-PFDoA	615.0 > 569.7	1.29e4	1.37e4	0.2519	1.247	5.70	5.71	11.8	37.409	75.4	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.67e4	0.2519	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	9.74e3	1.67e4	0.2519	0.792	6.17	6.17	7.28	36.480	73.5	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.67e4	0.2519	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	5.67e3	1.67e4	0.2519	1.211	6.50	6.50	4.23	13.884	69.9	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.67e4	0.2519	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.67e4	0.2519	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	5.73e3	5.73e3	0.2519	1.000	1.39	1.41	12.5	49.623	100.0	
55	61	13C5-PFHxA	318 > 272.9	9.23e3	9.23e3	0.2519	1.000	3.14	3.17	12.5	49.623	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.11e3	2.11e3	0.2519	1.000	3.92	3.93	12.5	49.623	100.0	
57	63	13C8-PFOA	421.3 > 376	8.22e3	8.22e3	0.2519	1.000	4.29	4.30	12.5	49.623	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.25e4	1.25e4	0.2519	1.000	4.72	4.74	12.5	49.623	100.0	
59	65	13C4-PFOS	503 > 79.9	2.29e3	2.29e3	0.2519	1.000	4.81	4.82	12.5	49.623	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.37e4	1.37e4	0.2519	1.000	5.10	5.11	12.5	49.623	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.67e4	1.67e4	0.2519	1.000	5.42	5.43	12.5	49.623	100.0	
62	68	Total PFHxS	398.9 > 79.6	0.00e0	8.06e2	0.2519		4.05		0.000			
63	69	Total PFOA	413 > 368.7	0.00e0	1.05e4	0.2519		4.30		0.000			
64	70	Total PFOS	499.1 > 79.9	0.00e0	2.32e3	0.2519		4.90		0.000			
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.91e3	0.2519		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.17e3	0.2519		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-103.qld

Last Altered: Wednesday, May 30, 2018 11:04:08 Pacific Daylight Time

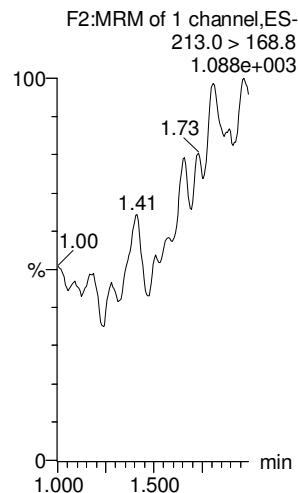
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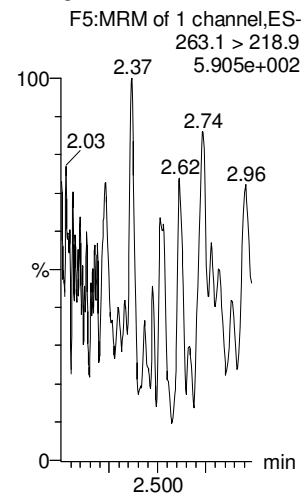
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Name: 180528M1_103, Date: 29-May-2018, Time: 09:40:22, ID: 1801010-06 MW0071920180517RAP 0.125, Description: MW0071920180517RAP

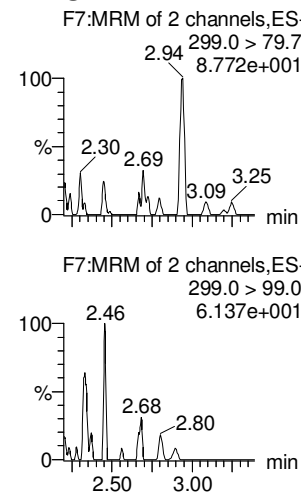
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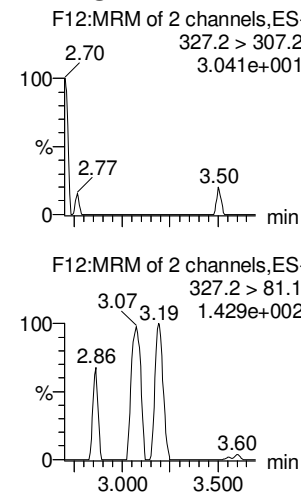
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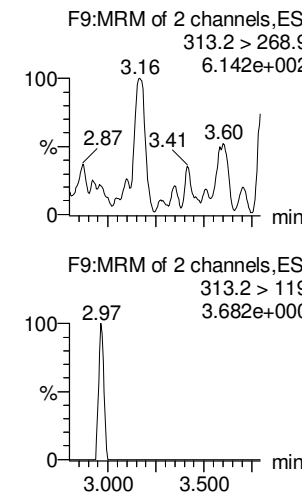
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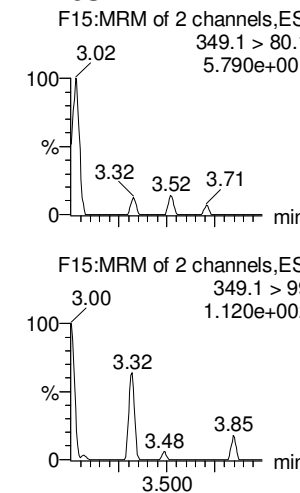
4:2 FTS



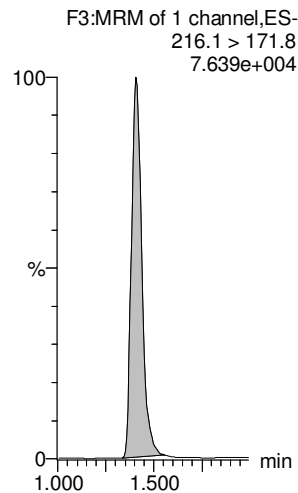
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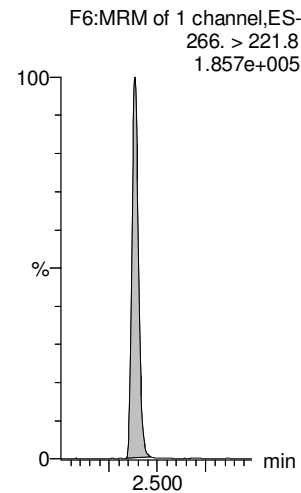
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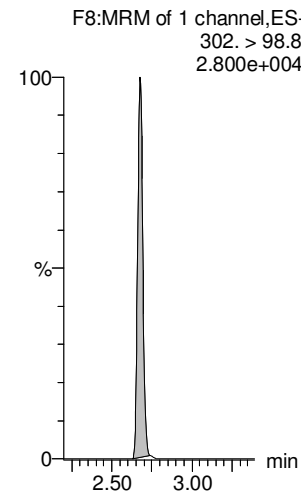
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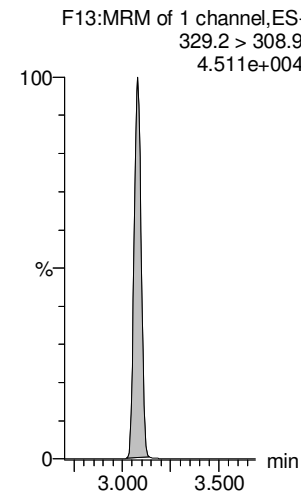
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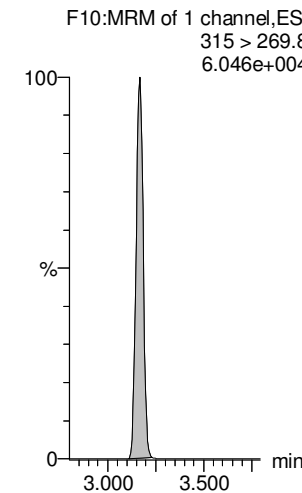
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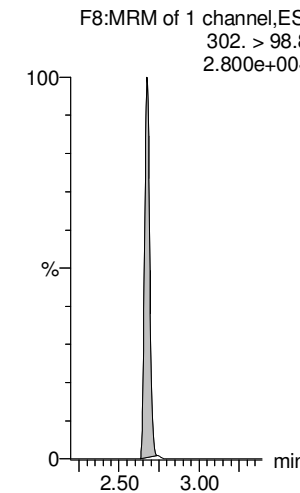
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-103.qld

Last Altered: Wednesday, May 30, 2018 11:04:08 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:04:35 Pacific Daylight Time

Name: 180528M1_103, Date: 29-May-2018, Time: 09:40:22, ID: 1801010-06 MW0071920180517RAP 0.125, Description: MW0071920180517RAP

L-PFHxS

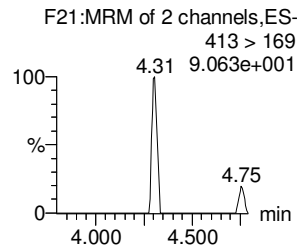
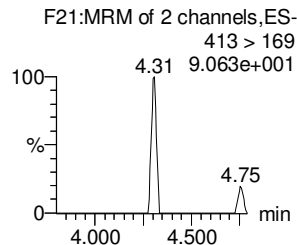
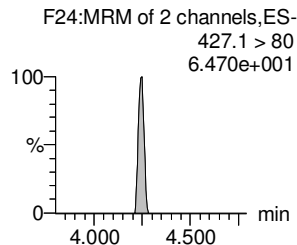
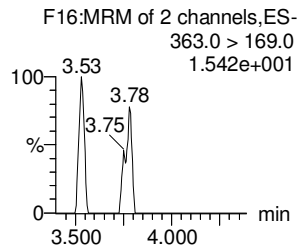
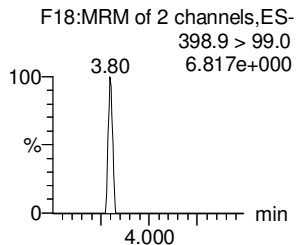
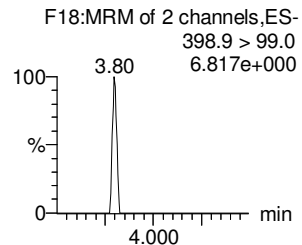
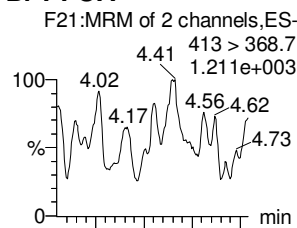
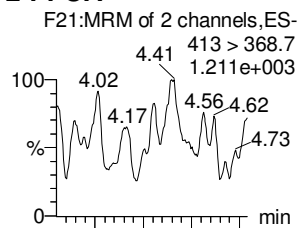
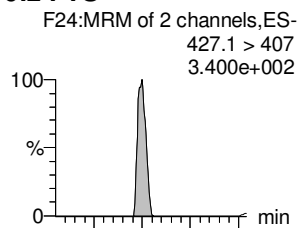
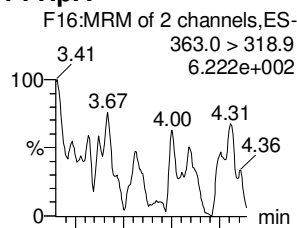
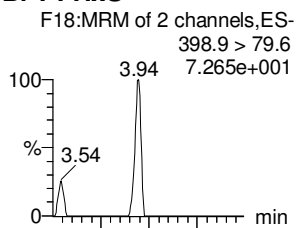
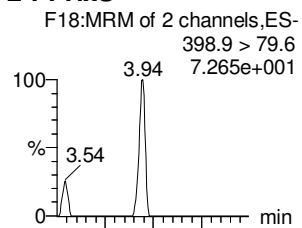
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

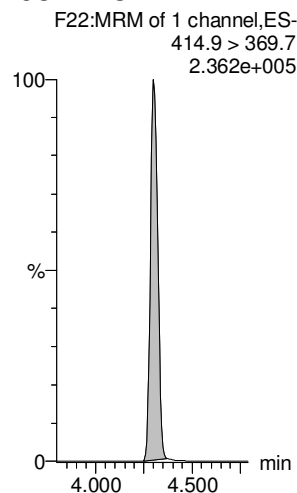
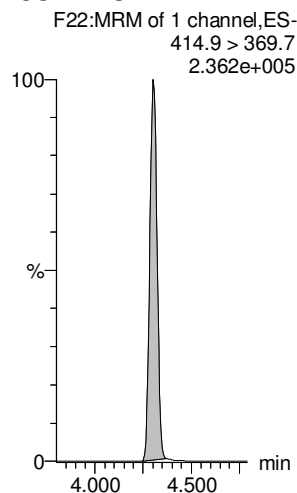
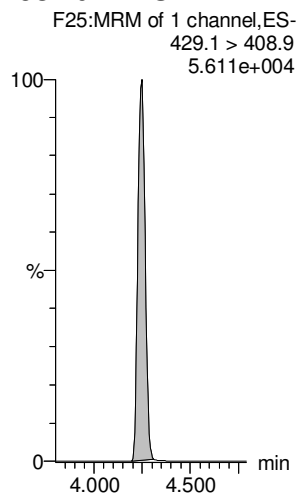
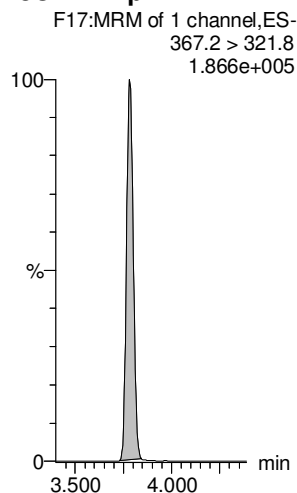
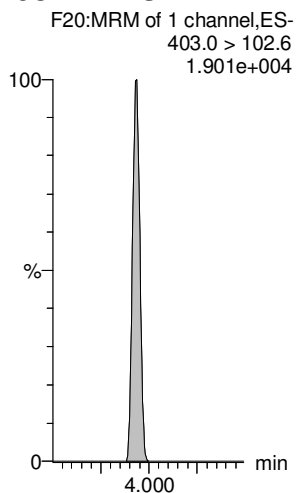
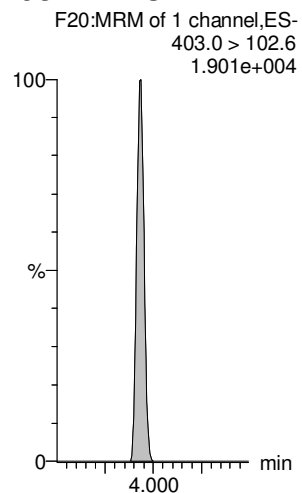
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-103.qld

Last Altered: Wednesday, May 30, 2018 11:04:08 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:04:35 Pacific Daylight Time

Name: 180528M1_103, Date: 29-May-2018, Time: 09:40:22, ID: 1801010-06 MW0071920180517RAP 0.125, Description: MW0071920180517RAP

PFHpS

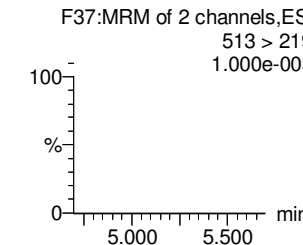
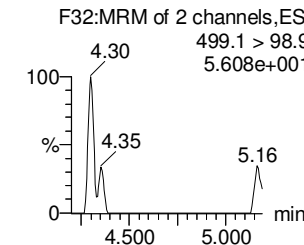
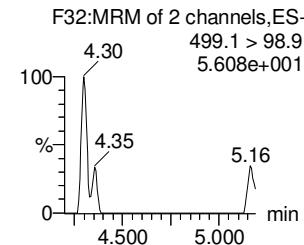
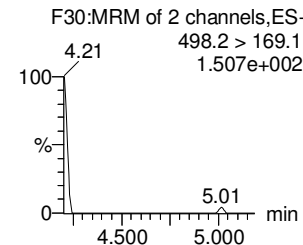
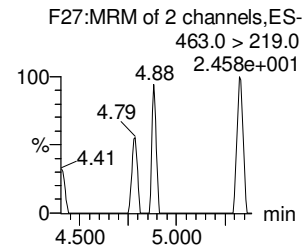
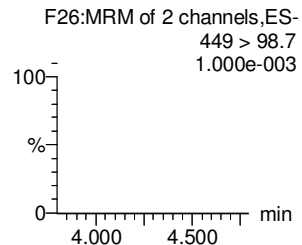
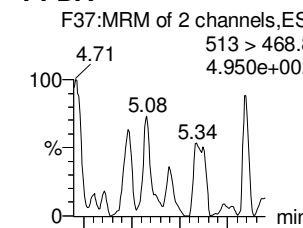
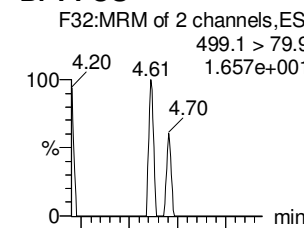
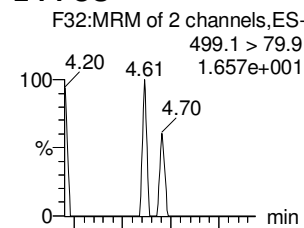
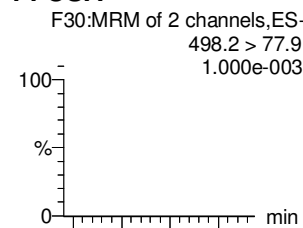
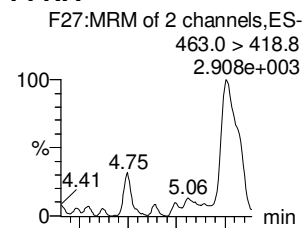
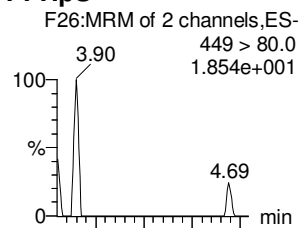
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

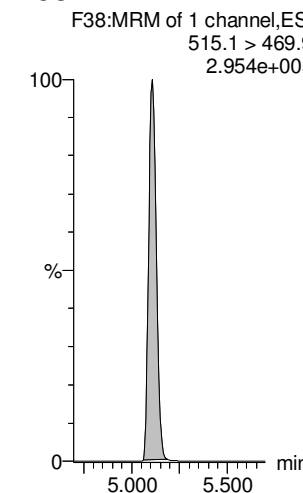
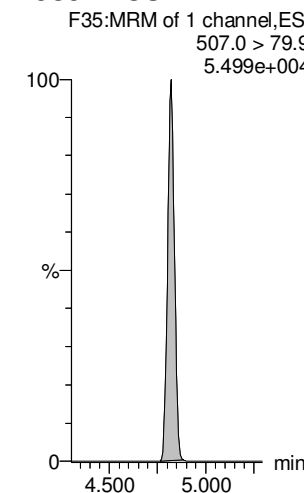
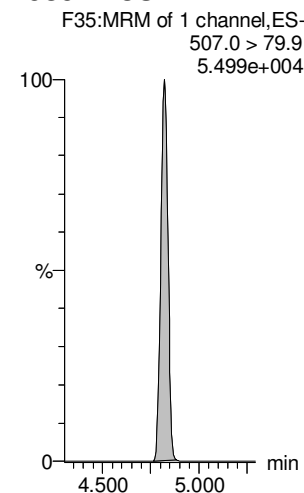
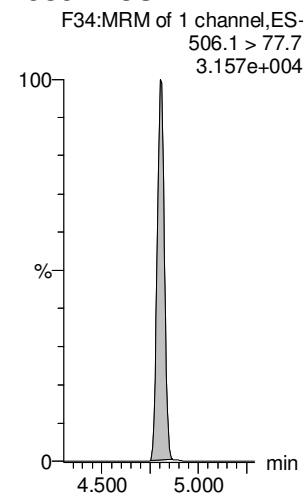
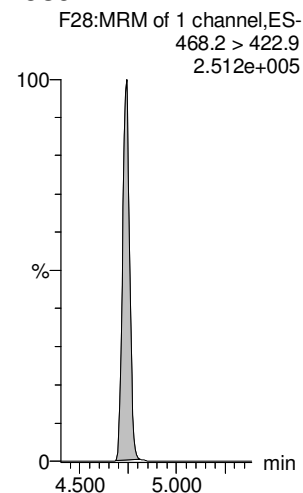
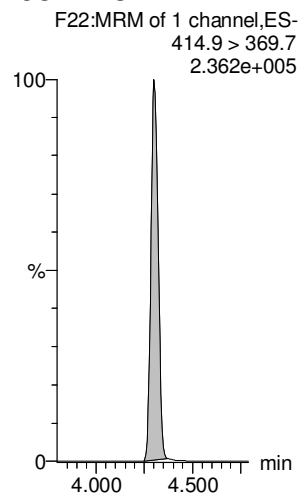
13C5-PFNA

13C8-PFOA

13C8-PFOS

13C8-PFOS

13C2-PFDA



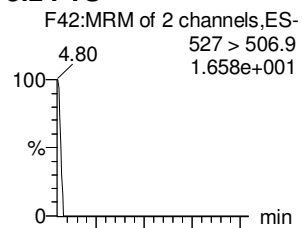
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-103.qld

Last Altered: Wednesday, May 30, 2018 11:04:08 Pacific Daylight Time

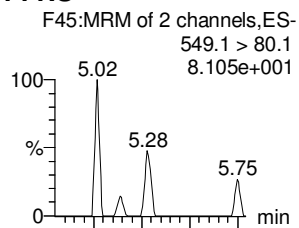
Printed: Wednesday, May 30, 2018 11:04:35 Pacific Daylight Time

Name: 180528M1_103, Date: 29-May-2018, Time: 09:40:22, ID: 1801010-06 MW0071920180517RAP 0.125, Description: MW0071920180517RAP

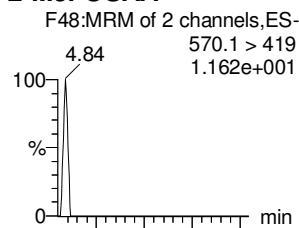
8:2 FTS



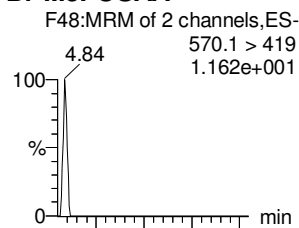
PFNS



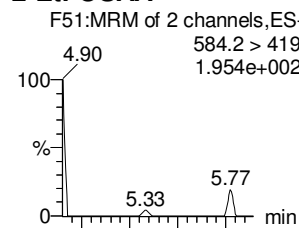
L-MeFOSAA



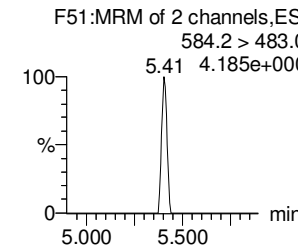
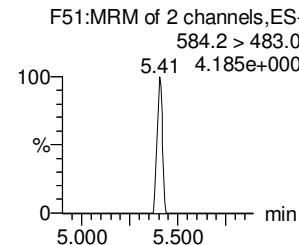
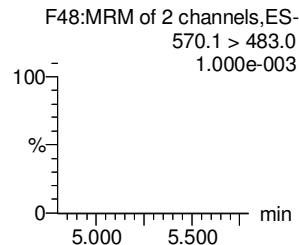
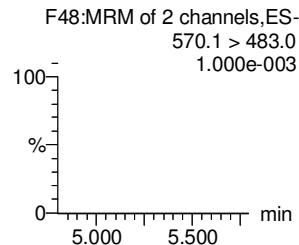
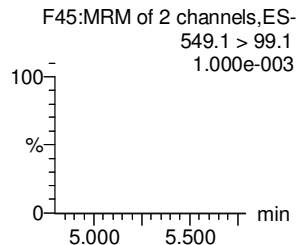
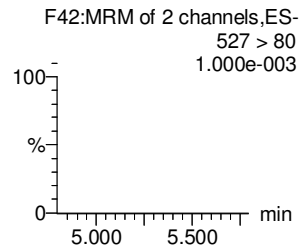
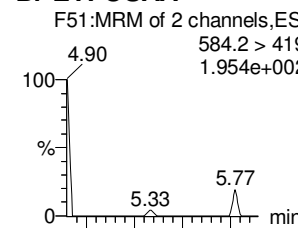
Br-MeFOSAA



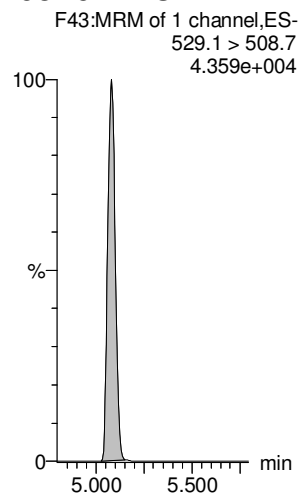
L-EtFOSAA



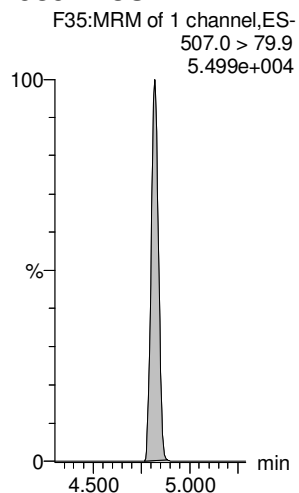
Br-ETFOSAA



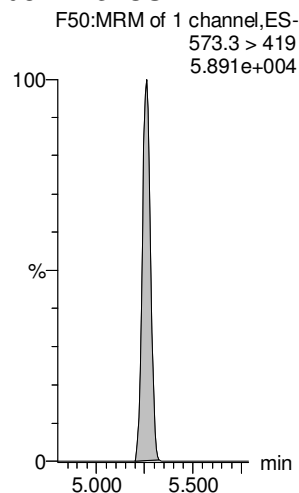
13C2-8:2 FTS



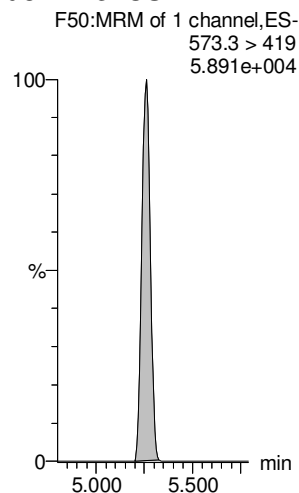
13C8-PFOS



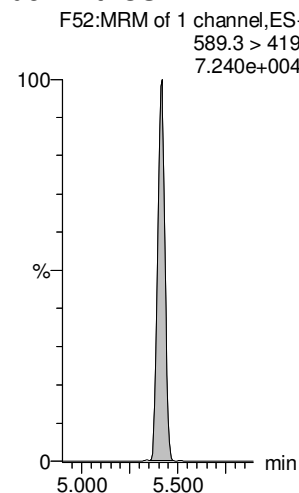
d3-N-MeFOSAA



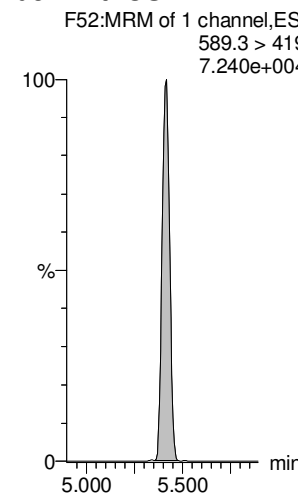
d3-N-MeFOSAA



d5-N-EtFOSAA



d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-103.qld

Last Altered: Wednesday, May 30, 2018 11:04:08 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:04:35 Pacific Daylight Time

Name: 180528M1_103, Date: 29-May-2018, Time: 09:40:22, ID: 1801010-06 MW0071920180517RAP 0.125, Description: MW0071920180517RAP

PFUdA

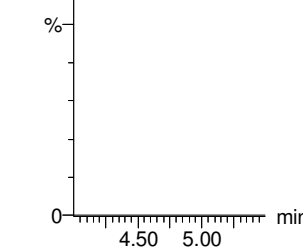
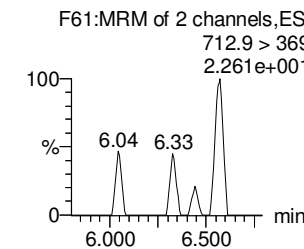
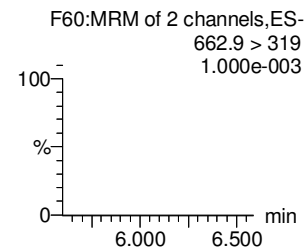
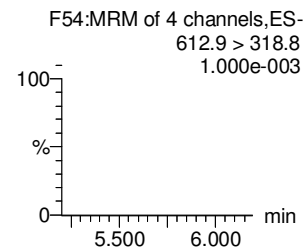
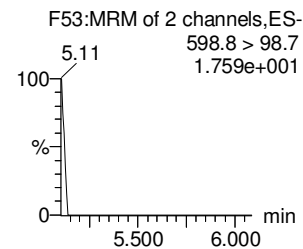
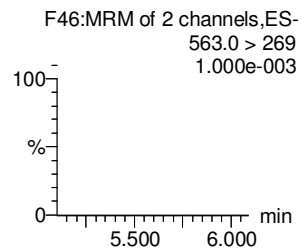
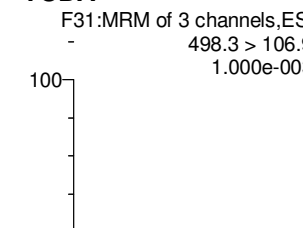
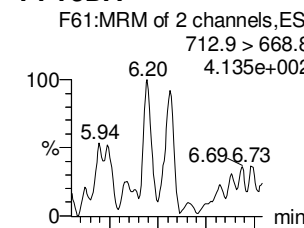
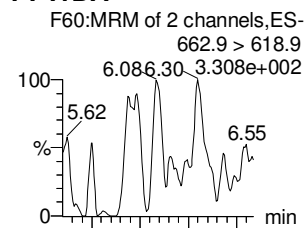
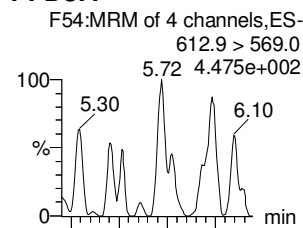
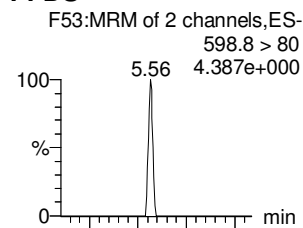
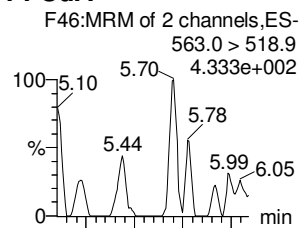
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

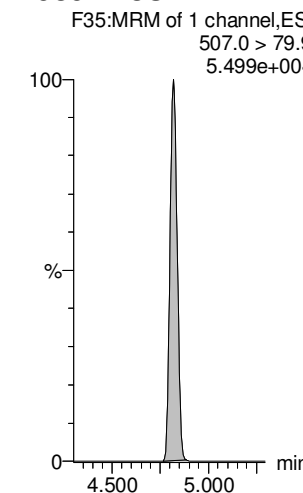
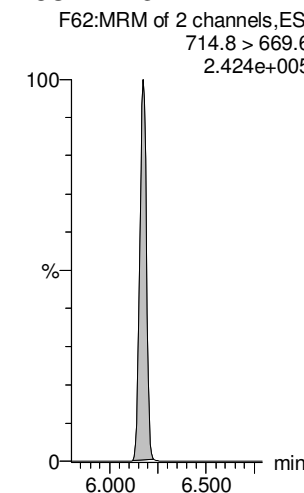
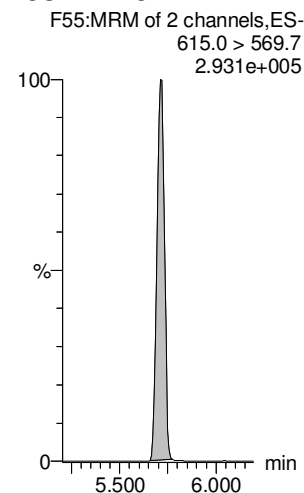
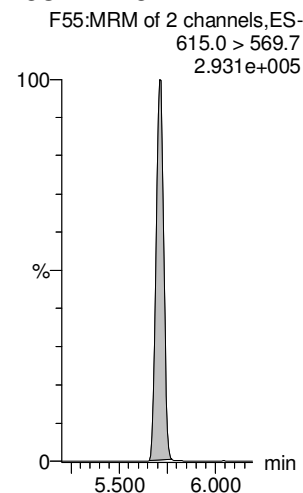
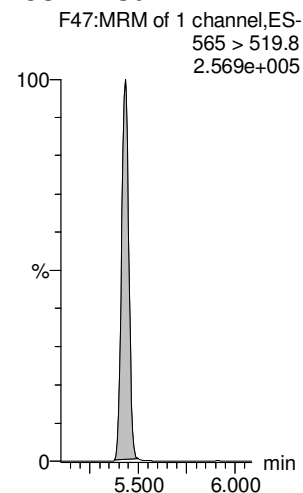
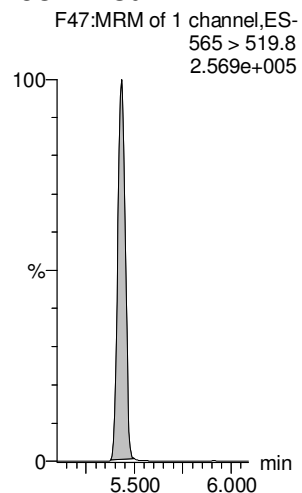
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-103.qld

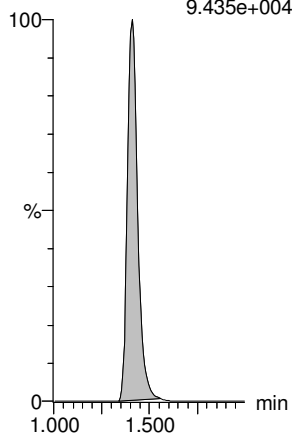
Last Altered: Wednesday, May 30, 2018 11:04:08 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:04:35 Pacific Daylight Time

Name: 180528M1_103, Date: 29-May-2018, Time: 09:40:22, ID: 1801010-06 MW0071920180517RAP 0.125, Description: MW0071920180517RAP

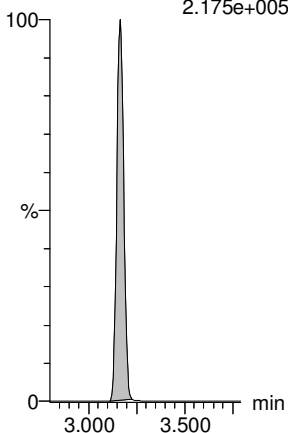
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
9.435e+004



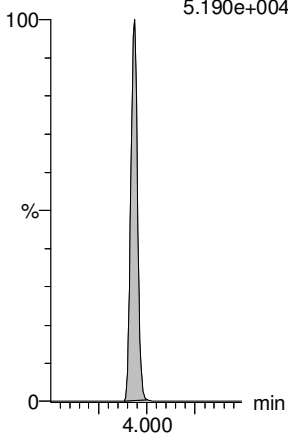
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
2.175e+005



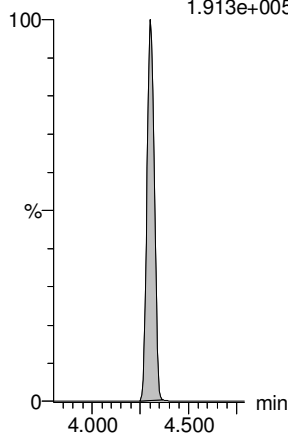
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
5.190e+004



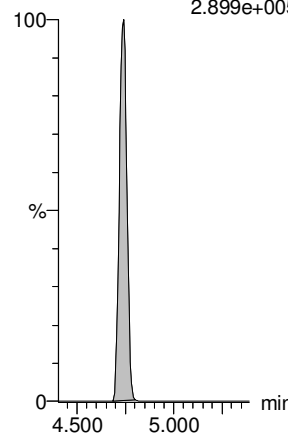
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.913e+005



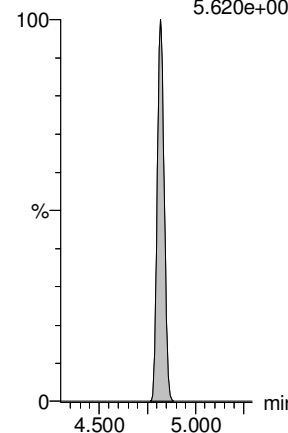
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.899e+005



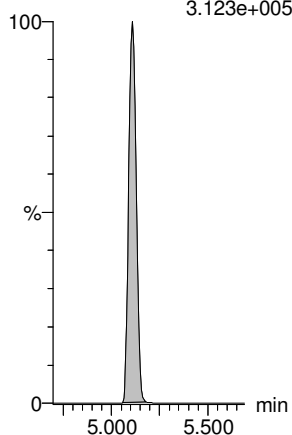
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.620e+004



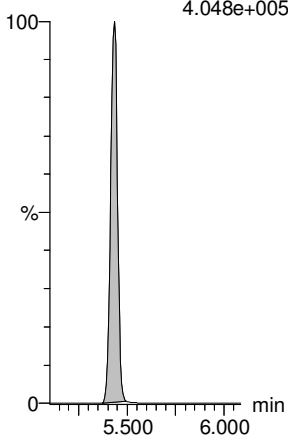
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
3.123e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
4.048e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-107.qld

Last Altered: Wednesday, May 30, 2018 11:06:59 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:07:17 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_107, Date: 29-May-2018, Time: 10:22:12, ID: 1801010-07 MW0074849180517GSC 0.125, Description: MW0074849180517GSC

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	1.24e2	4.51e3	0.2480		1.41	1.41	0.343	1.142			
2	2 PFPeA	263.1 > 218.9		6.69e3	0.2480		2.39						
3	3 PFBS	299.0 > 79.7		9.06e2	0.2480		2.68						
4	4 4:2 FTS	327.2>307.2		1.81e3	0.2480		3.08						
5	5 PFHxA	313.2 > 268.9		2.49e3	0.2480		3.16						
6	6 PFPeS	349.1>80.1		9.06e2	0.2480		3.37						
7	7 PFHpA	363.0 > 318.9		6.85e3	0.2480		3.79						
8	8 L-PFHxS	398.9 > 79.6	1.08e1	7.56e2	0.2480		3.93	3.94	0.179	0.236		0.760	YES
9	9 Br-PFHxS	398.9 > 79.6	2.96e0	7.56e2	0.2480		3.80	3.82	0.0490			6.084	YES
10	10 6:2 FTS	427.1 > 407	3.80e1	2.09e3	0.2480		4.23	4.25	0.227	0.504		3.964	YES
11	11 L-PFOA	413 > 368.7	1.25e2	1.19e4	0.2480		4.40	4.30	0.132			9.344	YES
12	12 Br-PFOA	413 > 368.7		1.19e4	0.2480		4.29						
13	13 PFHpS	449 > 80.0		1.19e4	0.2480		4.40						
14	14 PFNA	463.0 > 418.8		1.08e4	0.2480		4.73						
15	15 PFOSA	498.2 > 77.9		1.36e3	0.2480		4.79						
16	16 L-PFOS	499.1 > 79.9		2.09e3	0.2480		4.81						
17	17 Br-PFOS	499.1 > 79.9		2.09e3	0.2480		4.67						
18	18 PFDA	513 > 468.8		1.06e4	0.2480		5.10						
19	19 8:2 FTS	527 > 506.9		1.83e3	0.2480		5.07						
20	20 PFNS	549.1>80.1		2.09e3	0.2480		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.60e3	0.2480		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.60e3	0.2480		5.16						
23	23 L-EtFOSAA	584.2 > 419		2.84e3	0.2480		5.41						
24	24 Br-ETFOSAA	584.2 > 419		2.84e3	0.2480		5.32						
25	25 PFUdA	563.0 > 518.9	4.43e1	1.31e4	0.2480		5.42	5.43	0.0425			66.184	YES
26	26 PFDS	598.8 > 80		1.31e4	0.2480		5.47						
27	27 PFDoA	612.9 > 569.0		1.09e4	0.2480		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.09e4	0.2480		5.95						
29	30 PFTeDA	712.9 > 668.8		9.98e3	0.2480		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.51e3	5.75e3	0.2480	0.847	1.39	1.41	9.81	46.670	92.6		
31	37 13C3-PFPeA	266. > 221.8	6.69e3	9.52e3	0.2480	0.852	2.37	2.39	8.79	41.577	82.5		
32	38 13C3-PFBS	302. > 98.8	9.06e2	9.52e3	0.2480	0.102	2.66	2.68	1.19	47.237	93.7		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-107.qld

Last Altered: Wednesday, May 30, 2018 11:06:59 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:07:17 Pacific Daylight Time

Name: 180528M1_107, Date: 29-May-2018, Time: 10:22:12, ID: 1801010-07 MW0074849180517GSC 0.125, Description: MW0074849180517GSC

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.81e3	9.52e3	0.2480	0.233	3.06	3.08	2.38	41.132	81.6	
34	40	13C2-PFHxA	315 > 269.8	2.49e3	9.52e3	0.2480	0.720	3.15	3.17	3.27	18.301	90.8	
35	41	13C4-PFHpA	367.2 > 321.8	6.85e3	9.52e3	0.2480	0.795	3.76	3.79	8.99	45.613	90.5	
36	42	18O2-PFHxS	403.0 > 102.6	7.56e2	1.96e3	0.2480	0.421	3.92	3.93	4.83	46.260	91.8	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.09e3	8.63e3	0.2480	0.280	4.23	4.25	3.03	43.576	86.5	
38	44	13C2-PFOA	414.9 > 369.7	1.19e4	8.63e3	0.2480	1.477	4.29	4.31	17.2	46.867	93.0	
39	45	13C5-PFNA	468.2 > 422.9	1.08e4	1.23e4	0.2480	0.955	4.73	4.74	11.0	46.296	91.9	
40	46	13C8-PFOSA	506.1 > 77.7	1.36e3	1.54e4	0.2480	0.151	4.79	4.81	1.11	29.507	58.5	
41	47	13C8-PFOS	507.0 > 79.9	2.09e3	2.27e3	0.2480	1.023	4.81	4.82	11.5	45.440	90.2	
42	48	13C2-PFDA	515.1 > 469.9	1.06e4	1.13e4	0.2480	1.200	5.10	5.11	11.7	39.361	78.1	
43	49	13C2-8:2 FTS	529.1 > 508.7	1.83e3	9.52e3	0.2480	0.224	5.07	5.08	2.40	43.287	85.9	
44	50	d3-N-MeFOSAA	573.3 > 419	2.60e3	1.54e4	0.2480	0.231	5.25	5.26	2.10	36.704	72.8	
45	51	d5-N-EtFOSAA	589.3 > 419	2.84e3	1.54e4	0.2480	0.259	5.41	5.42	2.30	35.865	71.2	
46	52	13C2-PFUdA	565 > 519.8	1.31e4	1.54e4	0.2480	0.996	5.42	5.43	10.6	42.820	85.0	
47	53	13C2-PFDoA	615.0 > 569.7	1.09e4	1.13e4	0.2480	1.247	5.70	5.72	12.0	38.902	77.2	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.54e4	0.2480	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	9.98e3	1.54e4	0.2480	0.792	6.17	6.17	8.09	41.204	81.7	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.54e4	0.2480	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	6.47e3	1.54e4	0.2480	1.211	6.50	6.50	5.25	17.479	86.7	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.54e4	0.2480	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.54e4	0.2480	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	5.75e3	5.75e3	0.2480	1.000	1.39	1.41	12.5	50.403	100.0	
55	61	13C5-PFHxA	318 > 272.9	9.52e3	9.52e3	0.2480	1.000	3.14	3.17	12.5	50.403	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	1.96e3	1.96e3	0.2480	1.000	3.92	3.93	12.5	50.403	100.0	
57	63	13C8-PFOA	421.3 > 376	8.63e3	8.63e3	0.2480	1.000	4.29	4.30	12.5	50.403	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.23e4	1.23e4	0.2480	1.000	4.72	4.74	12.5	50.403	100.0	
59	65	13C4-PFOS	503 > 79.9	2.27e3	2.27e3	0.2480	1.000	4.81	4.82	12.5	50.403	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.13e4	1.13e4	0.2480	1.000	5.10	5.11	12.5	50.403	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.54e4	1.54e4	0.2480	1.000	5.42	5.43	12.5	50.403	100.0	
62	68	Total PFHxS	398.9 > 79.6	1.38e1	7.56e2	0.2480		4.05		0.179	0.236		
63	69	Total PFOA	413 > 368.7	1.25e2	1.19e4	0.2480		4.30		0.000			
64	70	Total PFOS	499.1 > 79.9	0.00e0	2.09e3	0.2480		4.90		0.000			
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.60e3	0.2480		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	2.84e3	0.2480		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-107.qld

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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

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PFBA

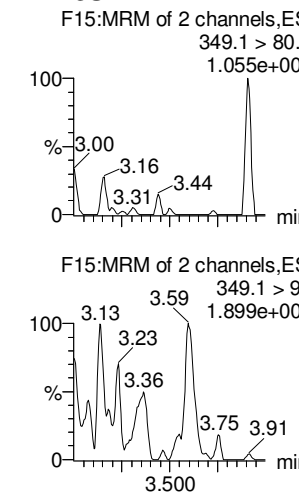
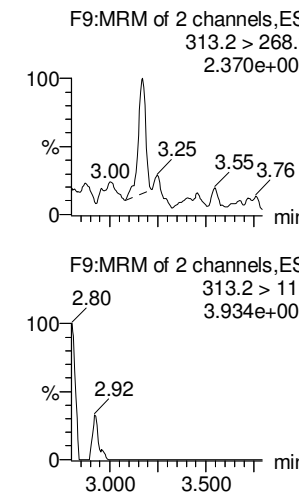
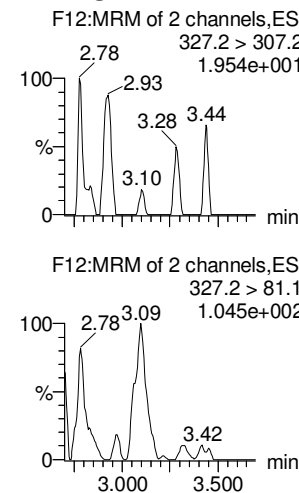
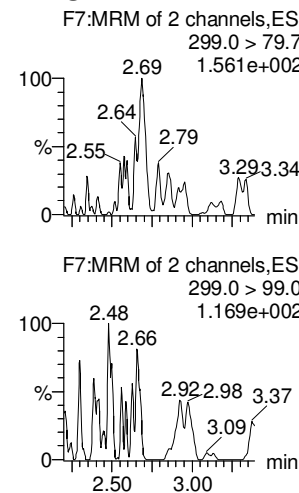
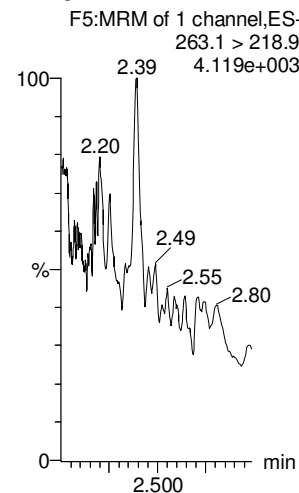
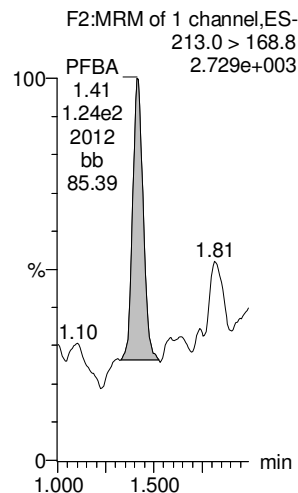
PFPeA

PFBS

4:2 FTS

PFHxA

PFPeS



13C3-PFBA

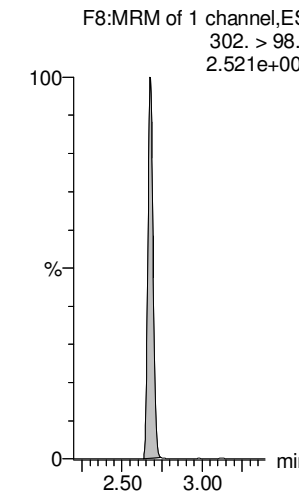
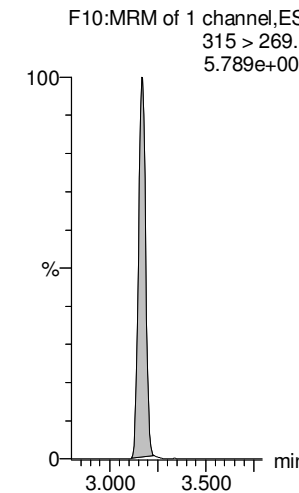
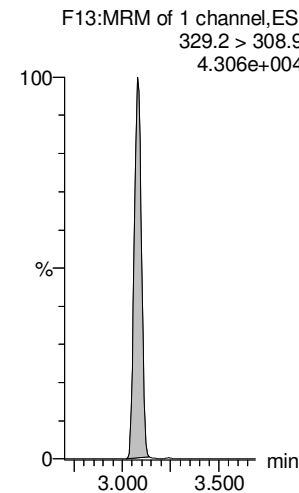
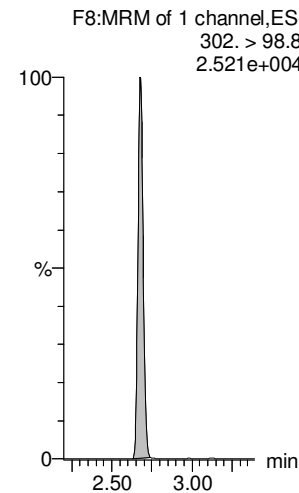
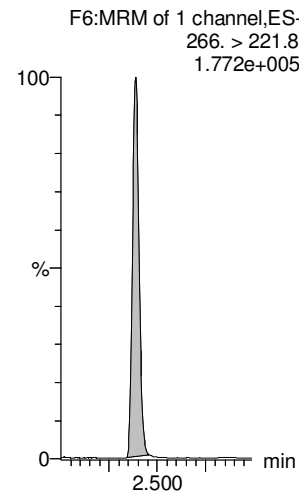
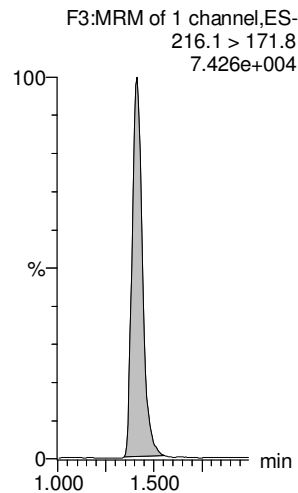
13C3-PFPeA

13C3-PFBS

13C2-4:2 FTS

13C2-PFHxA

13C3-PFBS



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L-PFHxS

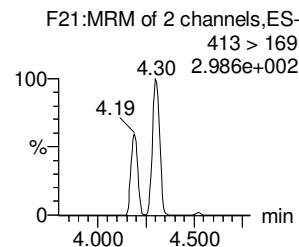
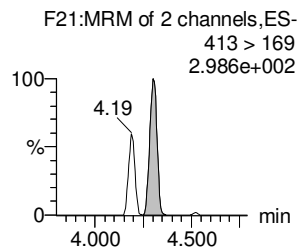
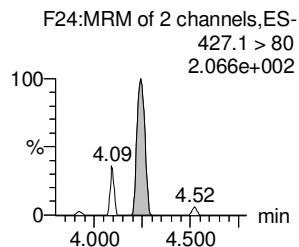
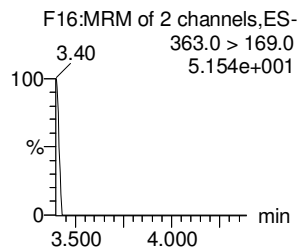
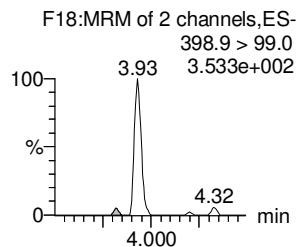
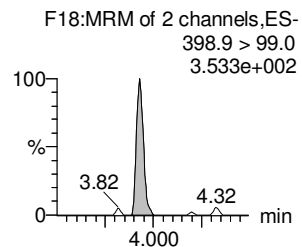
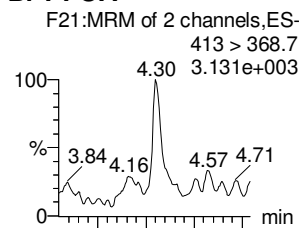
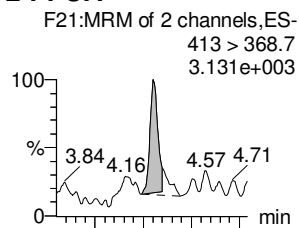
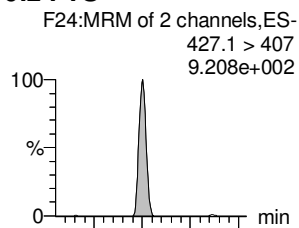
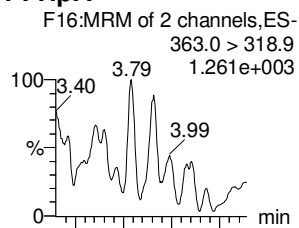
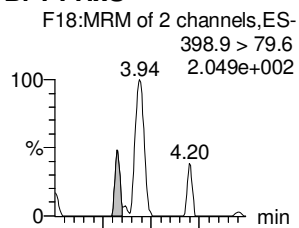
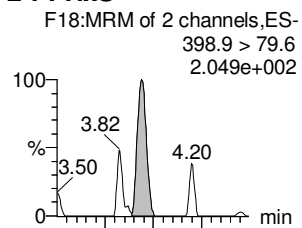
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

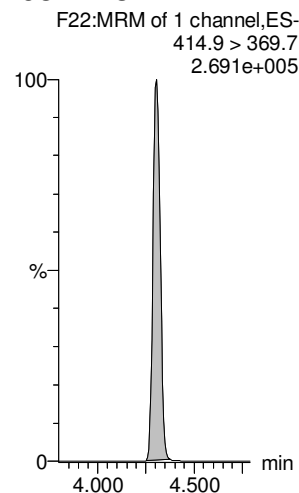
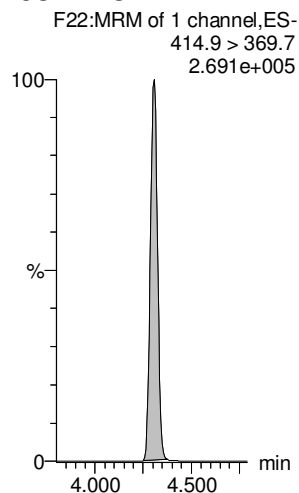
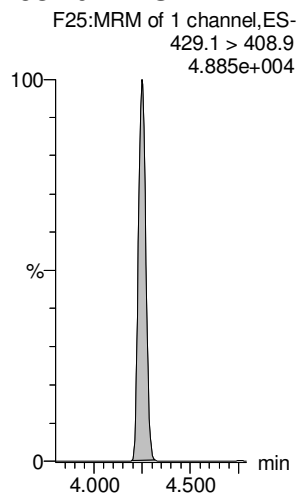
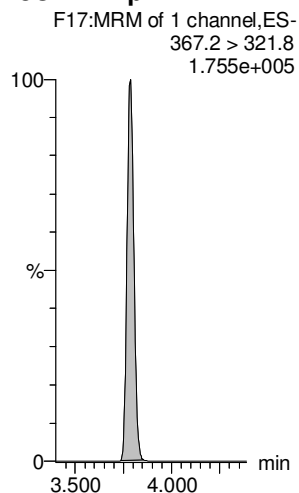
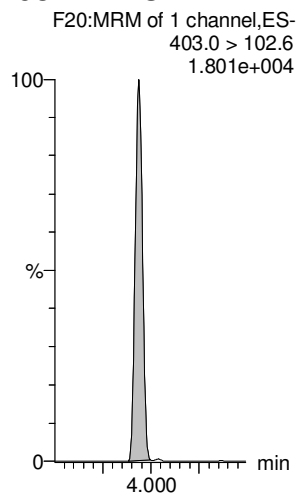
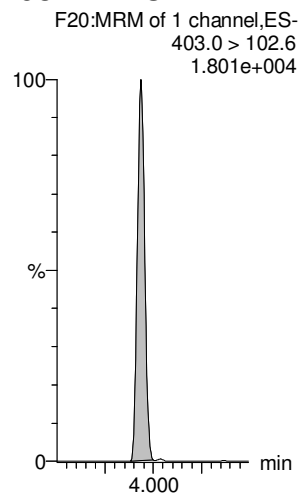
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



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PFHpS

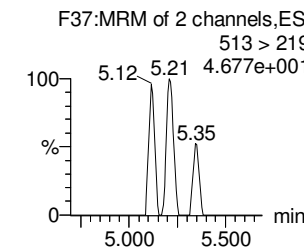
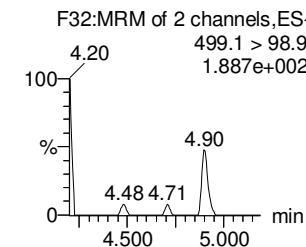
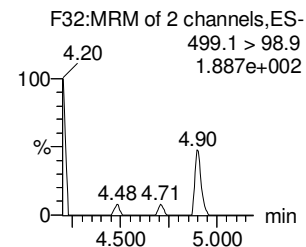
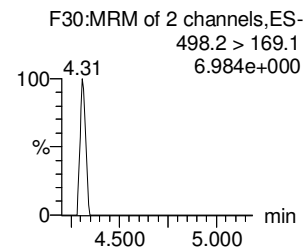
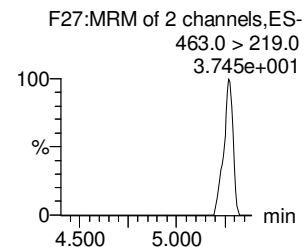
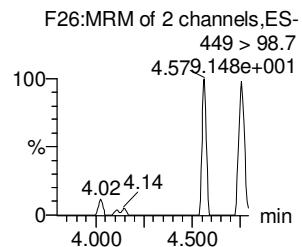
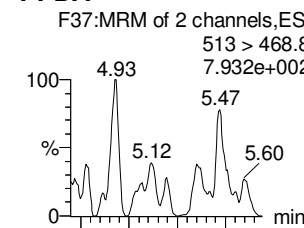
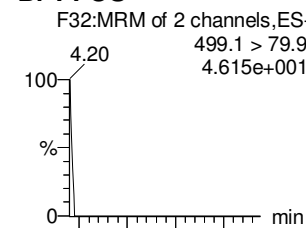
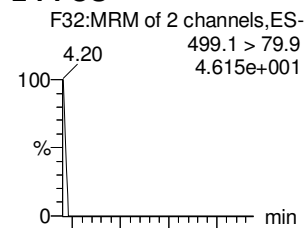
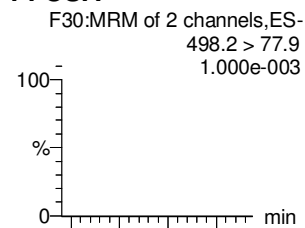
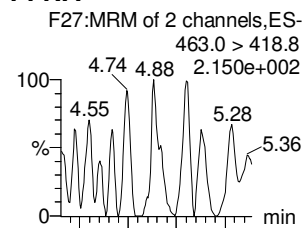
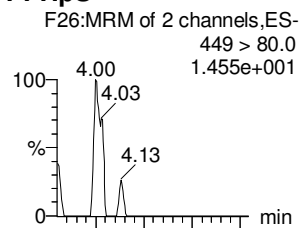
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

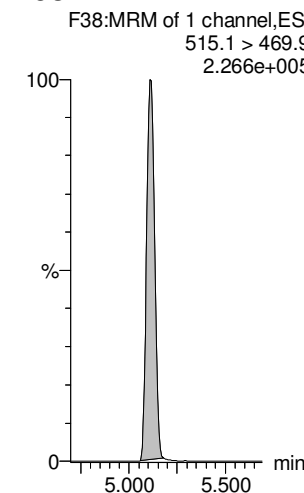
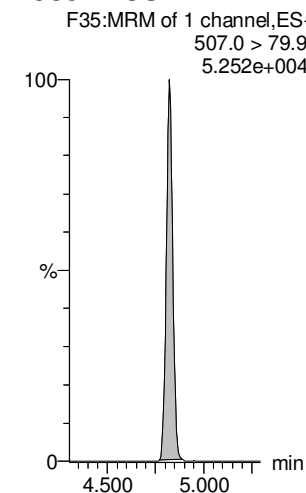
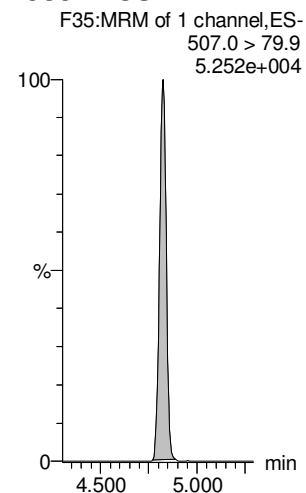
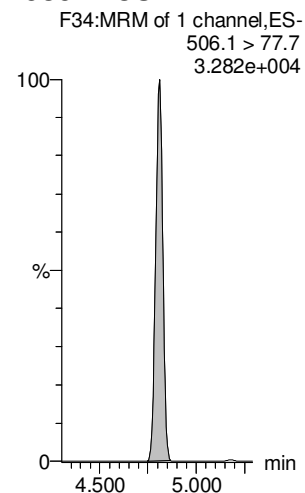
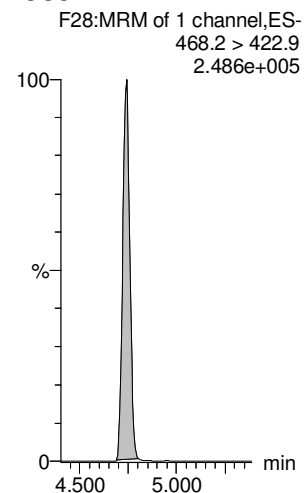
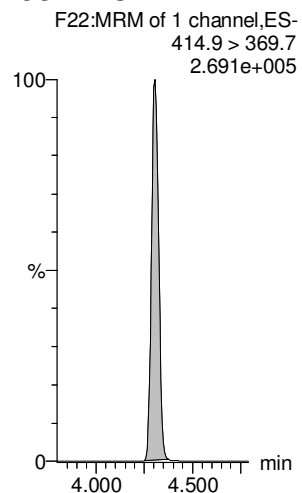
13C5-PFNA

13C8-PFOA

13C8-PFOS

13C8-PFOS

13C2-PFDA



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8:2 FTS

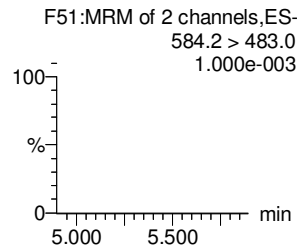
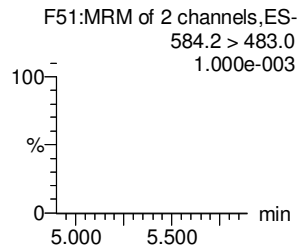
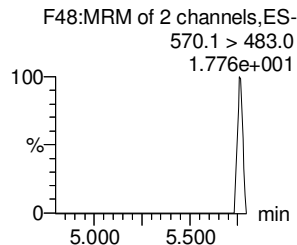
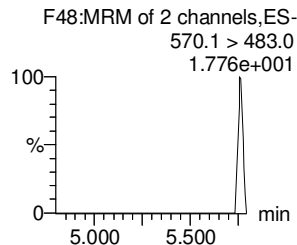
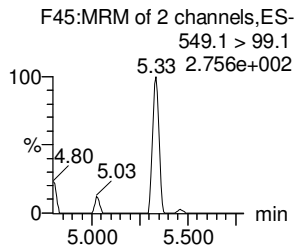
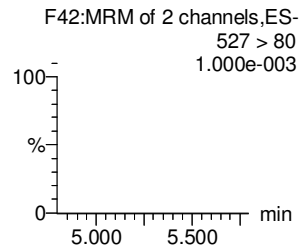
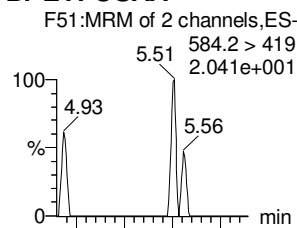
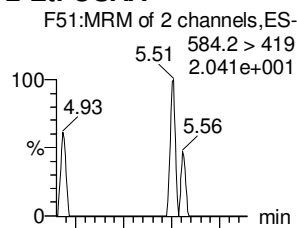
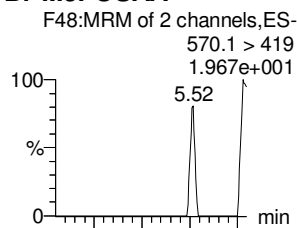
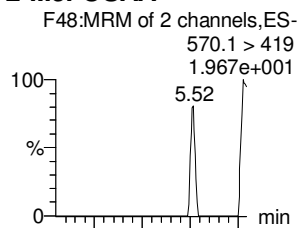
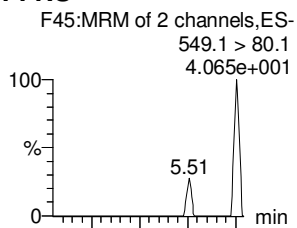
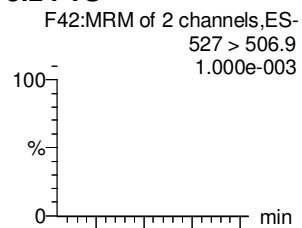
PFNS

L-MeFOSAA

Br-MeFOSAA

L-EtFOSAA

Br-ETFOSAA



13C2-8:2 FTS

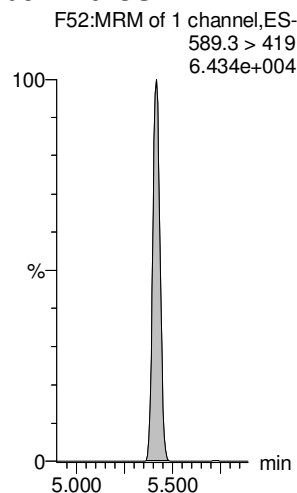
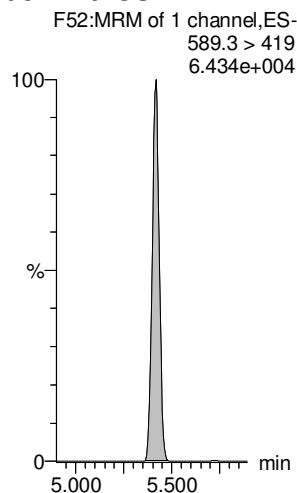
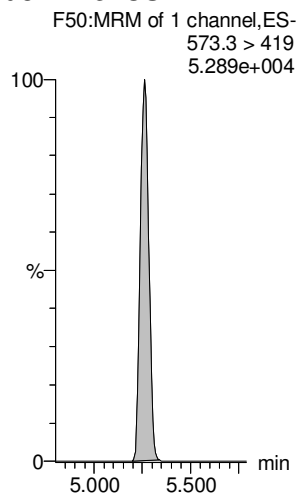
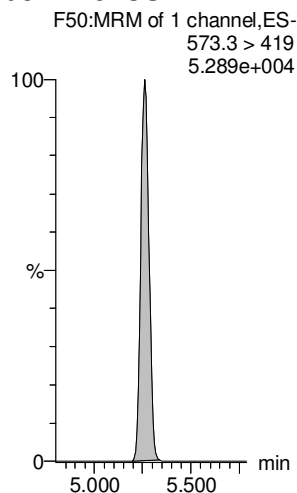
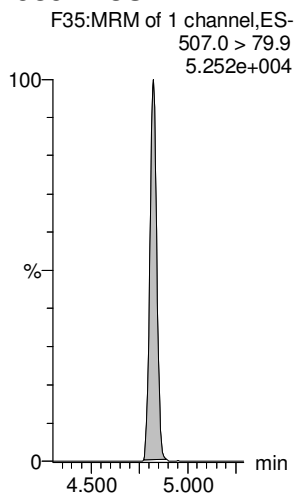
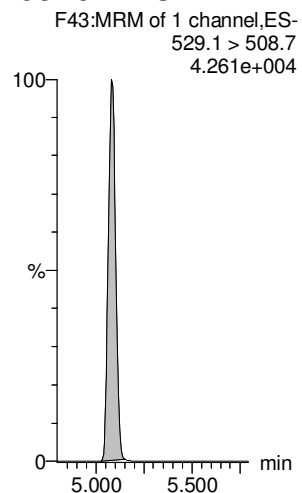
13C8-PFOS

d3-N-MeFOSAA

d3-N-MeFOSAA

d5-N-EtFOSAA

d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-107.qld

Last Altered: Wednesday, May 30, 2018 11:06:59 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:07:17 Pacific Daylight Time

Name: 180528M1_107, Date: 29-May-2018, Time: 10:22:12, ID: 1801010-07 MW0074849180517GSC 0.125, Description: MW0074849180517GSC

PFUdA

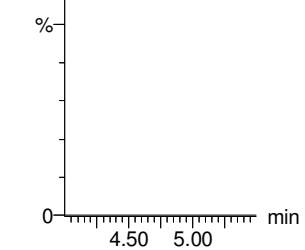
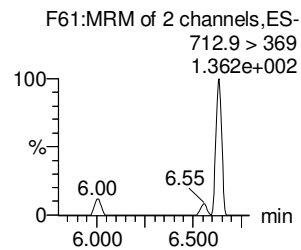
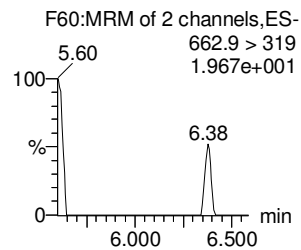
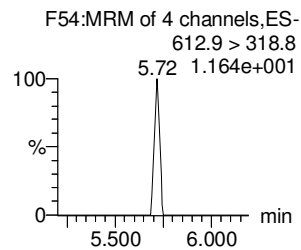
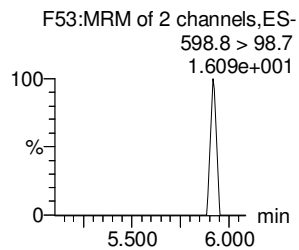
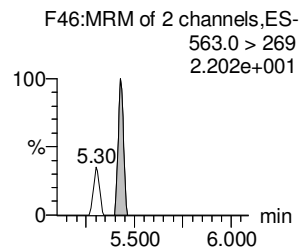
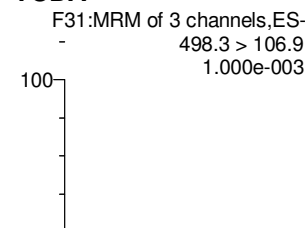
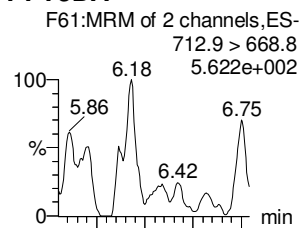
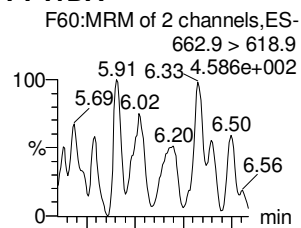
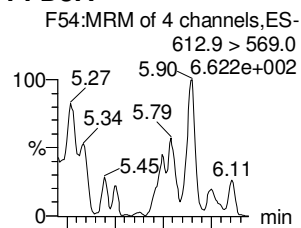
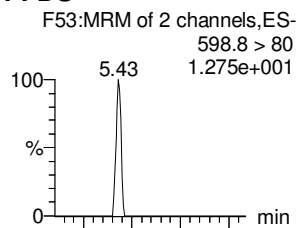
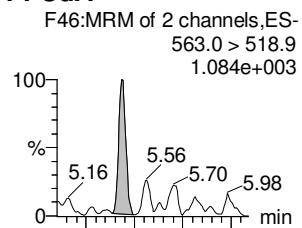
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

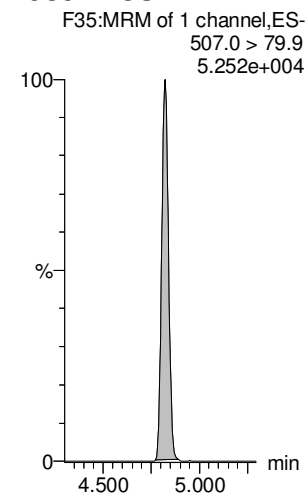
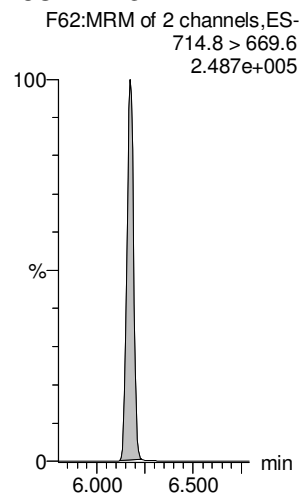
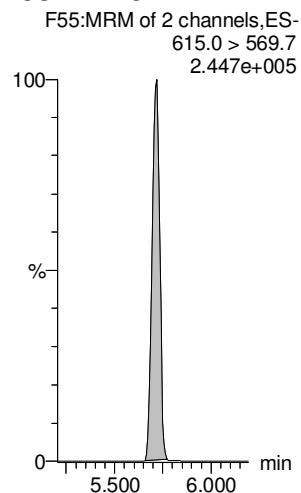
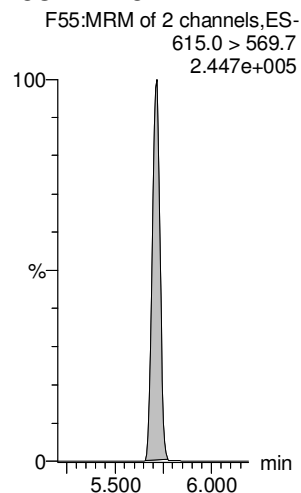
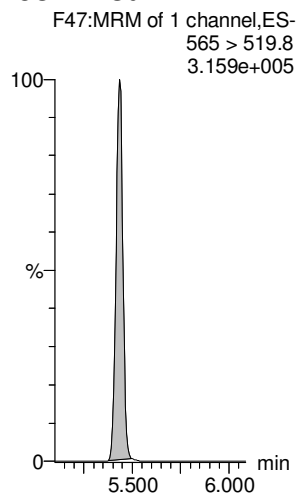
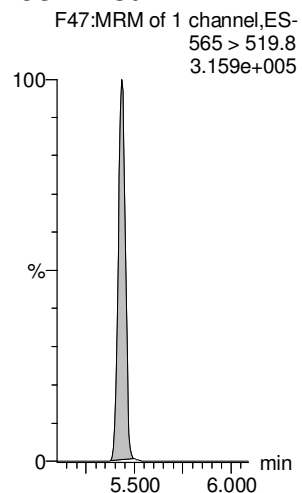
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-107.qld

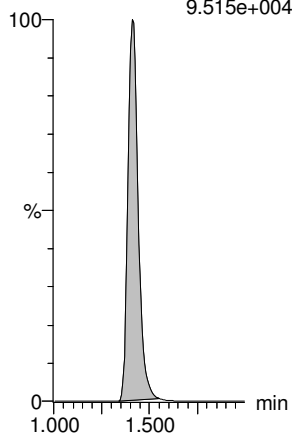
Last Altered: Wednesday, May 30, 2018 11:06:59 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:07:17 Pacific Daylight Time

Name: 180528M1_107, Date: 29-May-2018, Time: 10:22:12, ID: 1801010-07 MW0074849180517GSC 0.125, Description: MW0074849180517GSC

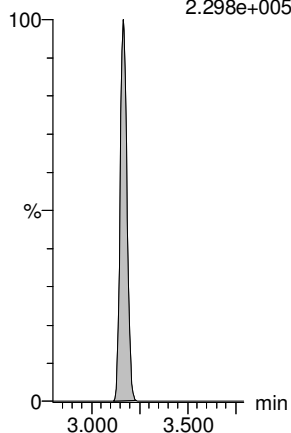
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
9.515e+004



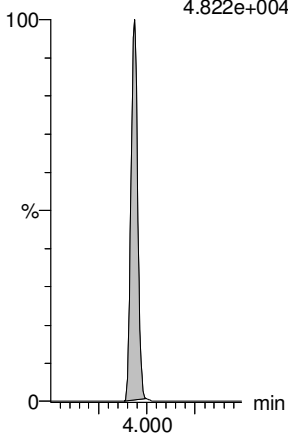
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
2.298e+005



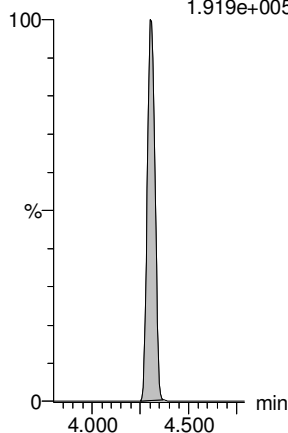
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
4.822e+004



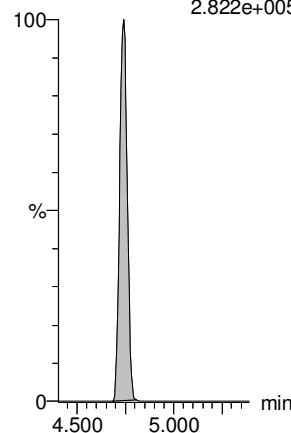
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.919e+005



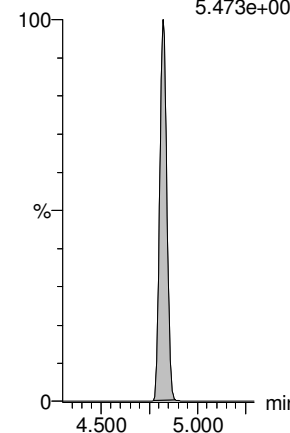
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.822e+005



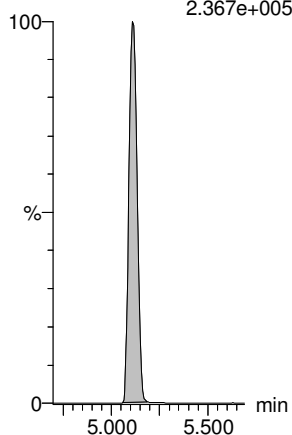
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.473e+004



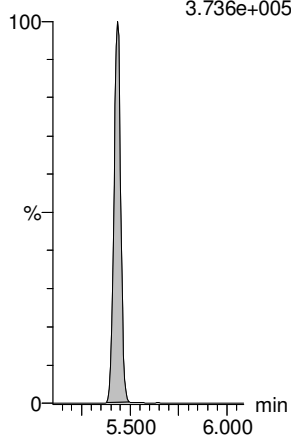
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.367e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.736e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-108.qld

Last Altered: Wednesday, May 30, 2018 11:10:12 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:10:34 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_108, Date: 29-May-2018, Time: 10:32:42, ID: 1801010-08 MW0065051180517RAP 0.125, Description: MW0065051180517RAP

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8		4.50e3	0.2452		1.40						
2	2 PFPeA	263.1 > 218.9		6.87e3	0.2452		2.39						
3	3 PFBS	299.0 > 79.7		9.57e2	0.2452		2.68						
4	4 4:2 FTS	327.2>307.2		1.76e3	0.2452		3.07						
5	5 PFHxA	313.2 > 268.9		2.31e3	0.2452		3.16						
6	6 PFPeS	349.1>80.1		9.57e2	0.2452		3.37						
7	7 PFHpA	363.0 > 318.9		7.17e3	0.2452		3.78						
8	8 L-PFHxS	398.9 > 79.6		7.62e2	0.2452		3.93						
9	9 Br-PFHxS	398.9 > 79.6		7.62e2	0.2452		3.80						
10	10 6:2 FTS	427.1 > 407		2.09e3	0.2452		4.23						
11	11 L-PFOA	413 > 368.7		1.16e4	0.2452		4.40						
12	12 Br-PFOA	413 > 368.7		1.16e4	0.2452		4.29						
13	13 PFHpS	449 > 80.0		1.16e4	0.2452		4.40						
14	14 PFNA	463.0 > 418.8		9.59e3	0.2452		4.73						
15	15 PFOSA	498.2 > 77.9		1.47e3	0.2452		4.79						
16	16 L-PFOS	499.1 > 79.9		2.06e3	0.2452		4.81						
17	17 Br-PFOS	499.1 > 79.9		2.06e3	0.2452		4.67						
18	18 PFDA	513 > 468.8		1.14e4	0.2452		5.10						
19	19 8:2 FTS	527 > 506.9		2.16e3	0.2452		5.07						
20	20 PFNS	549.1>80.1		2.06e3	0.2452		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.26e3	0.2452		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.26e3	0.2452		5.16						
23	23 L-EtFOSAA	584.2 > 419		3.06e3	0.2452		5.41						
24	24 Br-ETFOSAA	584.2 > 419		3.06e3	0.2452		5.32						
25	25 PFUdA	563.0 > 518.9		1.25e4	0.2452		5.42						
26	26 PFDS	598.8 > 80		1.25e4	0.2452		5.47						
27	27 PFDoA	612.9 > 569.0		1.15e4	0.2452		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.15e4	0.2452		5.95						
29	30 PFTeDA	712.9 > 668.8		9.45e3	0.2452		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.50e3	5.90e3	0.2452	0.847	1.39	1.41	9.54	45.909	90.0		
31	37 13C3-PFPeA	266. > 221.8	6.87e3	9.77e3	0.2452	0.852	2.37	2.38	8.79	42.084	82.5		
32	38 13C3-PFBS	302. > 98.8	9.57e2	9.77e3	0.2452	0.102	2.66	2.68	1.22	49.194	96.5		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-108.qld

Last Altered: Wednesday, May 30, 2018 11:10:12 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:10:34 Pacific Daylight Time

Name: 180528M1_108, Date: 29-May-2018, Time: 10:32:42, ID: 1801010-08 MW0065051180517RAP 0.125, Description: MW0065051180517RAP

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.76e3	9.77e3	0.2452	0.233	3.06	3.07	2.25	39.273	77.0	
34	40	13C2-PFHxA	315 > 269.8	2.31e3	9.77e3	0.2452	0.720	3.15	3.17	2.96	16.748	82.1	
35	41	13C4-PFHpA	367.2 > 321.8	7.17e3	9.77e3	0.2452	0.795	3.76	3.78	9.18	47.098	92.4	
36	42	18O2-PFHxS	403.0 > 102.6	7.62e2	2.06e3	0.2452	0.421	3.92	3.93	4.62	44.756	87.8	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.09e3	8.62e3	0.2452	0.280	4.23	4.25	3.04	44.165	86.6	
38	44	13C2-PFOA	414.9 > 369.7	1.16e4	8.62e3	0.2452	1.477	4.29	4.30	16.9	46.551	91.3	
39	45	13C5-PFNA	468.2 > 422.9	9.59e3	1.16e4	0.2452	0.955	4.73	4.74	10.4	44.300	86.9	
40	46	13C8-PFOSA	506.1 > 77.7	1.47e3	1.48e4	0.2452	0.151	4.79	4.81	1.24	33.348	65.4	
41	47	13C8-PFOS	507.0 > 79.9	2.06e3	2.31e3	0.2452	1.023	4.81	4.82	11.2	44.555	87.4	
42	48	13C2-PFDA	515.1 > 469.9	1.14e4	1.41e4	0.2452	1.200	5.10	5.11	10.1	34.475	67.6	
43	49	13C2-8:2 FTS	529.1 > 508.7	2.16e3	9.77e3	0.2452	0.224	5.07	5.08	2.76	50.240	98.5	
44	50	d3-N-MeFOSAA	573.3 > 419	2.26e3	1.48e4	0.2452	0.231	5.25	5.26	1.90	33.571	65.8	
45	51	d5-N-EtFOSAA	589.3 > 419	3.06e3	1.48e4	0.2452	0.259	5.41	5.42	2.58	40.681	79.8	
46	52	13C2-PFUdA	565 > 519.8	1.25e4	1.48e4	0.2452	0.996	5.42	5.43	10.5	43.054	84.4	
47	53	13C2-PFDoA	615.0 > 569.7	1.15e4	1.41e4	0.2452	1.247	5.70	5.72	10.2	33.424	65.6	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.48e4	0.2452	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	9.45e3	1.48e4	0.2452	0.792	6.17	6.17	7.96	41.013	80.4	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.48e4	0.2452	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	6.93e3	1.48e4	0.2452	1.211	6.50	6.50	5.84	19.662	96.4	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.48e4	0.2452	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.48e4	0.2452	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	5.90e3	5.90e3	0.2452	1.000	1.39	1.41	12.5	50.987	100.0	
55	61	13C5-PFHxA	318 > 272.9	9.77e3	9.77e3	0.2452	1.000	3.14	3.17	12.5	50.987	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.06e3	2.06e3	0.2452	1.000	3.92	3.93	12.5	50.987	100.0	
57	63	13C8-PFOA	421.3 > 376	8.62e3	8.62e3	0.2452	1.000	4.29	4.30	12.5	50.987	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.16e4	1.16e4	0.2452	1.000	4.72	4.73	12.5	50.987	100.0	
59	65	13C4-PFOS	503 > 79.9	2.31e3	2.31e3	0.2452	1.000	4.81	4.82	12.5	50.987	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.41e4	1.41e4	0.2452	1.000	5.10	5.11	12.5	50.987	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.48e4	1.48e4	0.2452	1.000	5.42	5.43	12.5	50.987	100.0	
62	68	Total PFHxS	398.9 > 79.6	0.00e0	7.62e2	0.2452		4.05		0.000			
63	69	Total PFOA	413 > 368.7	0.00e0	1.16e4	0.2452		4.30		0.000			
64	70	Total PFOS	499.1 > 79.9	0.00e0	2.06e3	0.2452		4.90		0.000			
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.26e3	0.2452		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.06e3	0.2452		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-108.qld

Last Altered: Wednesday, May 30, 2018 11:10:12 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:10:34 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_108, Date: 29-May-2018, Time: 10:32:42, ID: 1801010-08 MW0065051180517RAP 0.125, Description: MW0065051180517RAP

PFBA

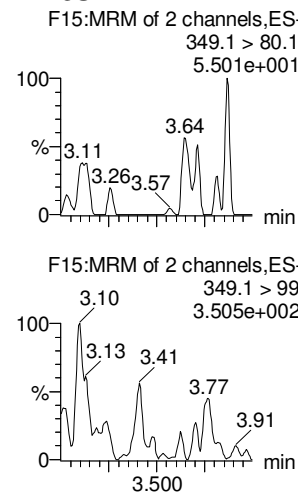
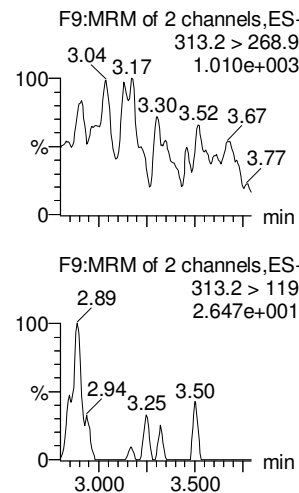
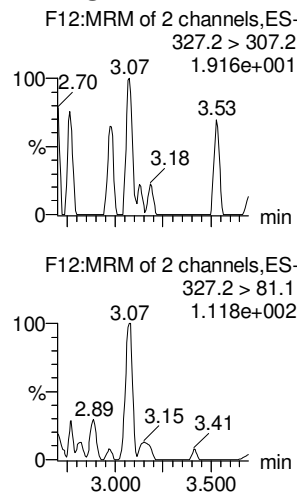
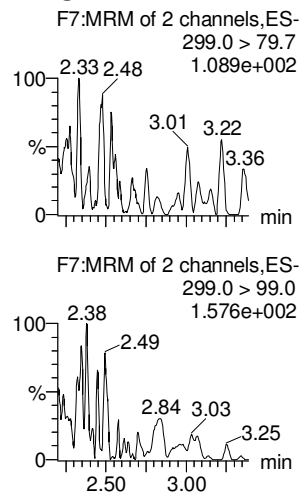
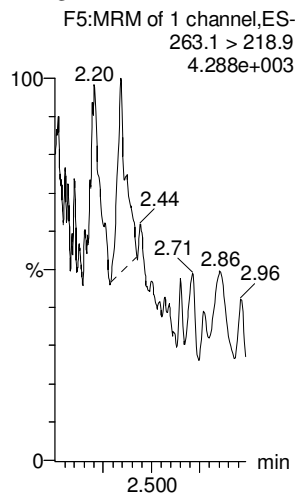
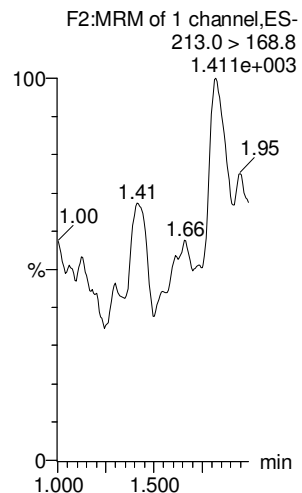
PFPeA

PFBS

4:2 FTS

PFHxA

PFPeS



13C3-PFBA

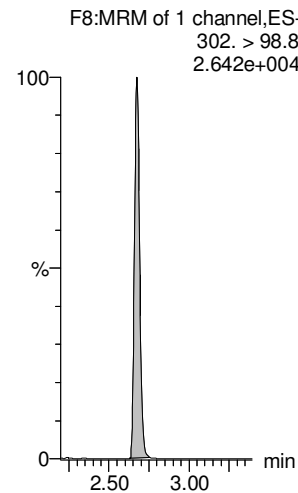
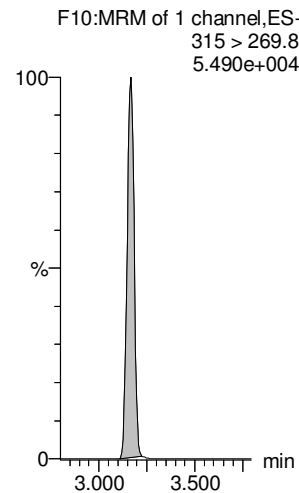
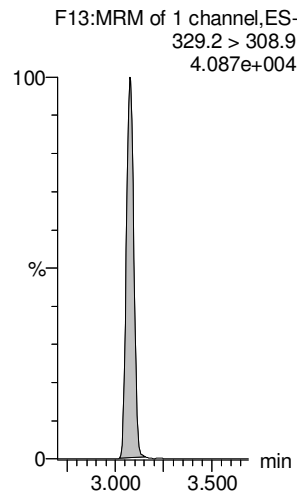
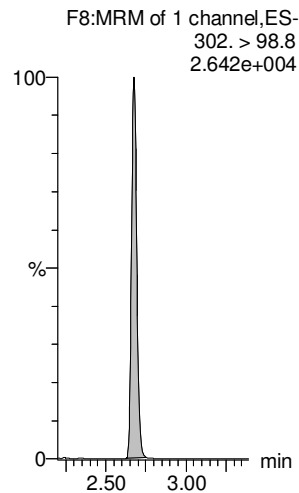
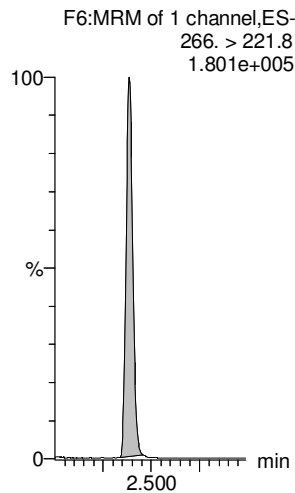
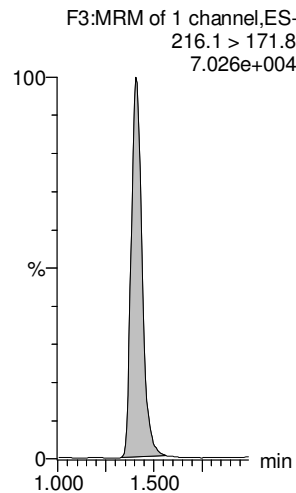
13C3-PFPeA

13C3-PFBS

13C2-4:2 FTS

13C2-PFHxA

13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-108.qld

Last Altered: Wednesday, May 30, 2018 11:10:12 Pacific Daylight Time

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Name: 180528M1_108, Date: 29-May-2018, Time: 10:32:42, ID: 1801010-08 MW0065051180517RAP 0.125, Description: MW0065051180517RAP

L-PFHxS

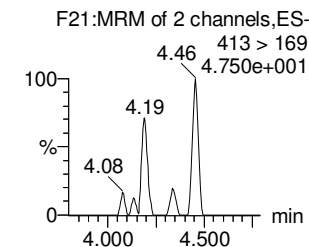
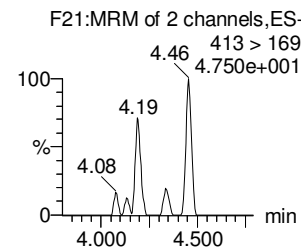
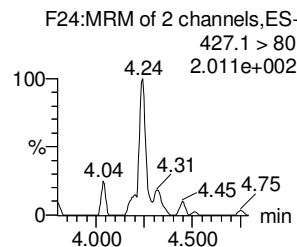
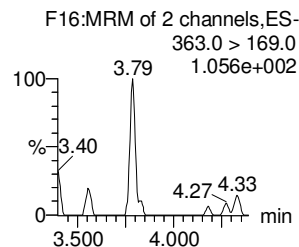
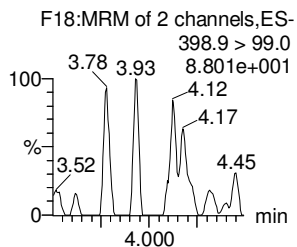
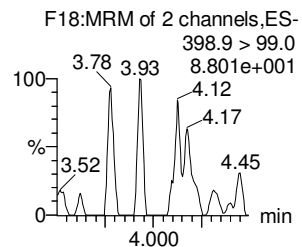
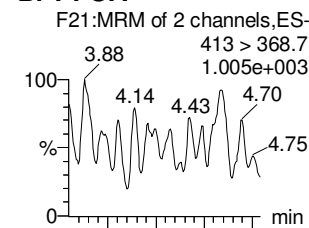
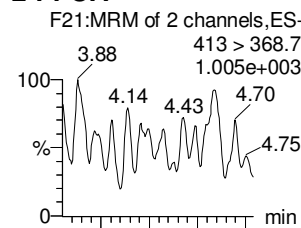
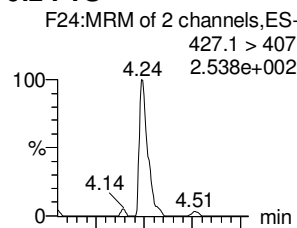
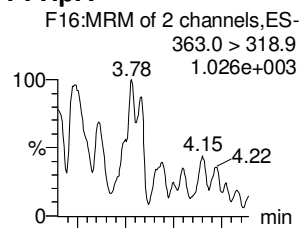
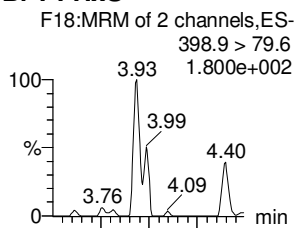
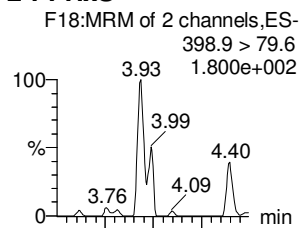
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

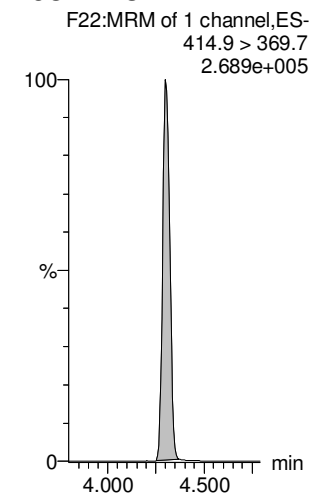
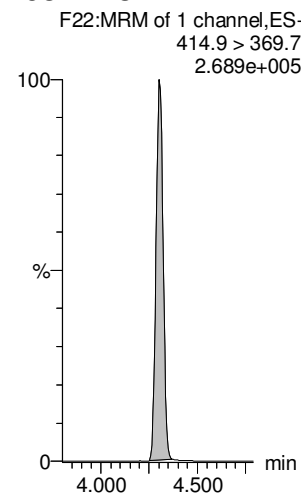
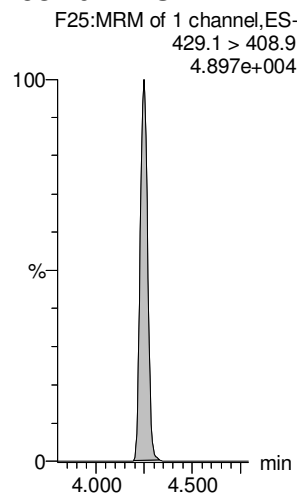
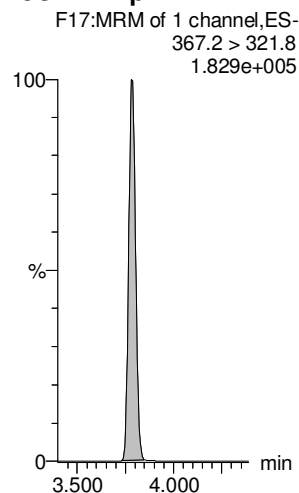
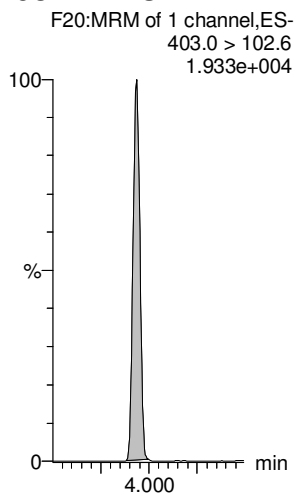
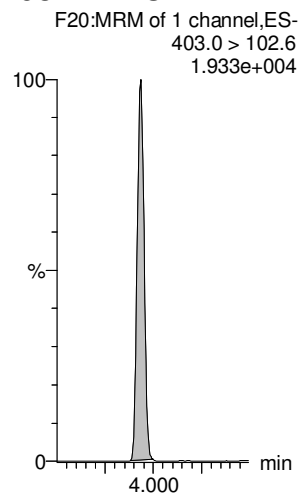
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-108.qld

Last Altered: Wednesday, May 30, 2018 11:10:12 Pacific Daylight Time

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Name: 180528M1_108, Date: 29-May-2018, Time: 10:32:42, ID: 1801010-08 MW0065051180517RAP 0.125, Description: MW0065051180517RAP

PFHpS

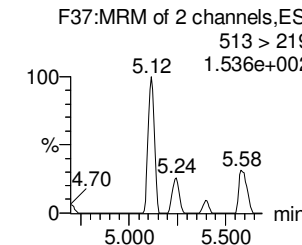
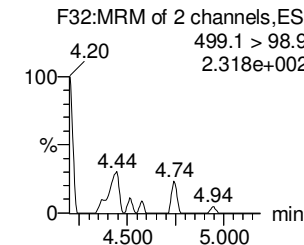
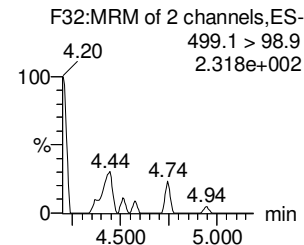
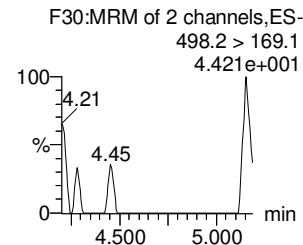
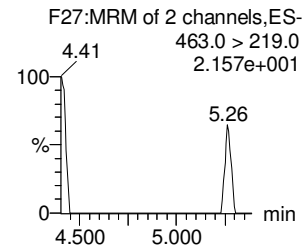
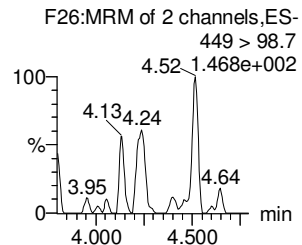
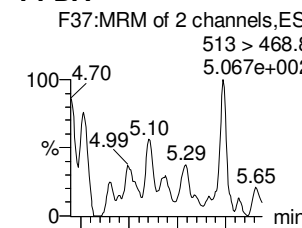
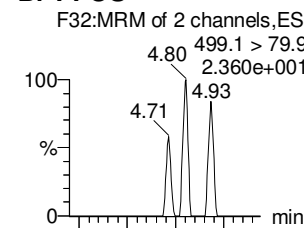
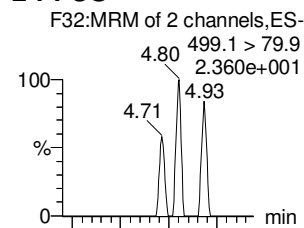
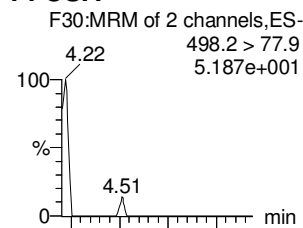
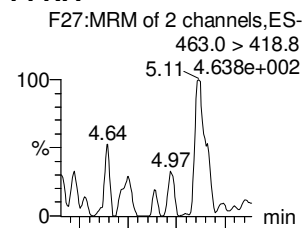
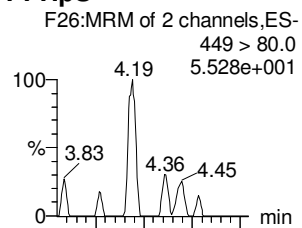
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

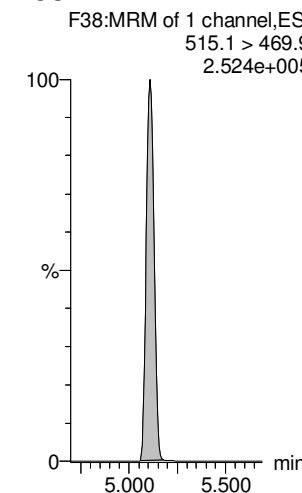
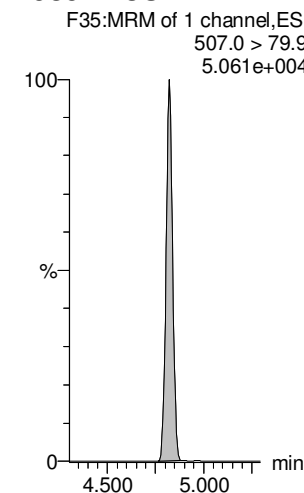
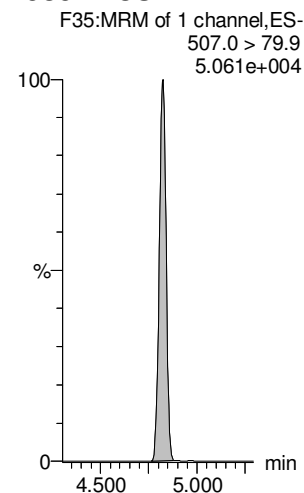
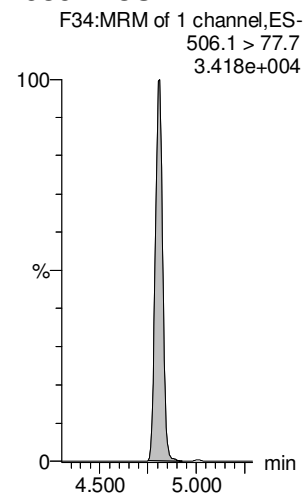
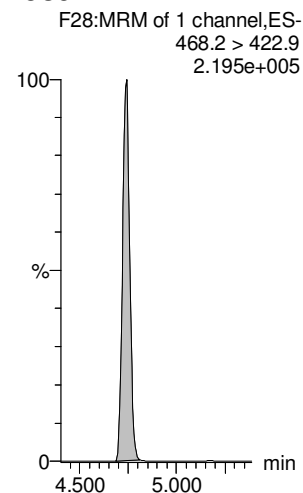
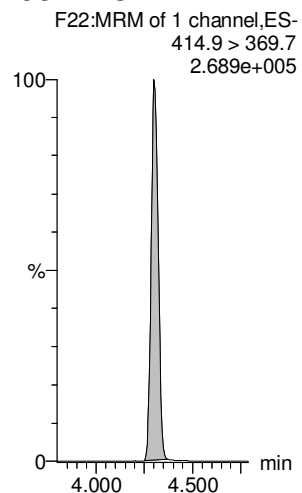
13C5-PFNA

13C8-PFOA

13C8-PFOS

13C8-PFOS

13C2-PFDA



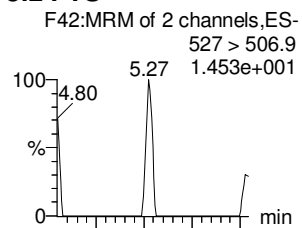
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-108.qld

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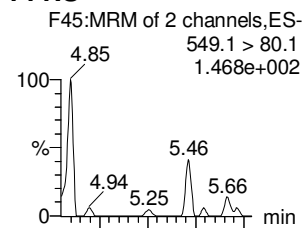
Printed: Wednesday, May 30, 2018 11:10:34 Pacific Daylight Time

Name: 180528M1_108, Date: 29-May-2018, Time: 10:32:42, ID: 1801010-08 MW0065051180517RAP 0.125, Description: MW0065051180517RAP

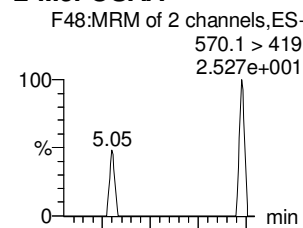
8:2 FTS



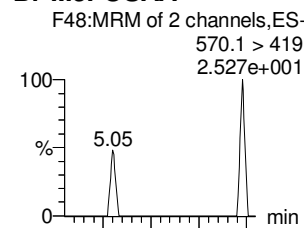
PFNS



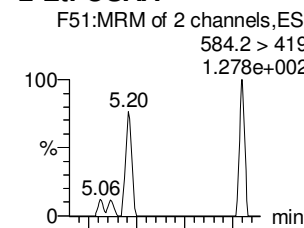
L-MeFOSAA



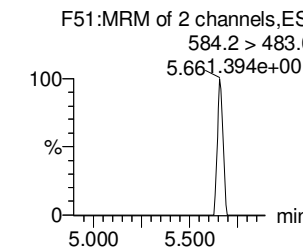
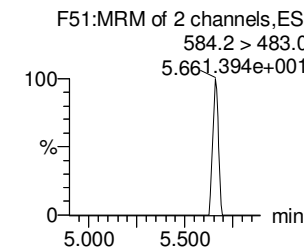
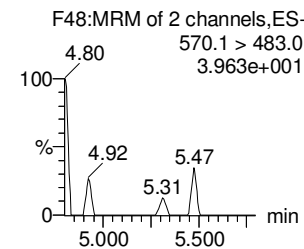
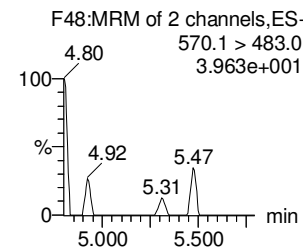
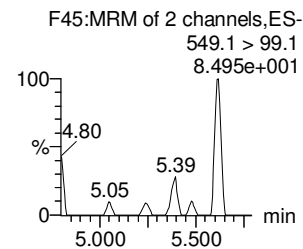
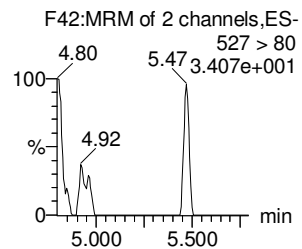
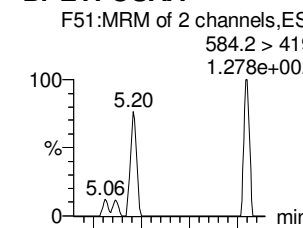
Br-MeFOSAA



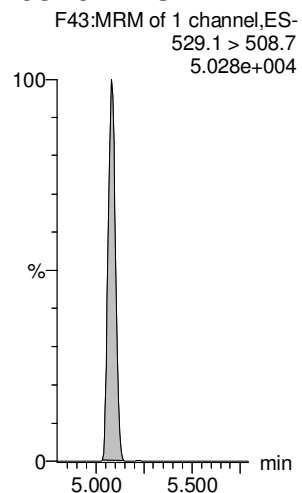
L-EtFOSAA



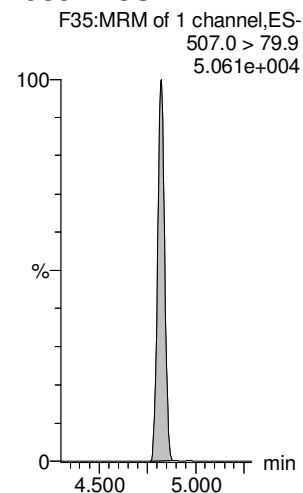
Br-ETFOSAA



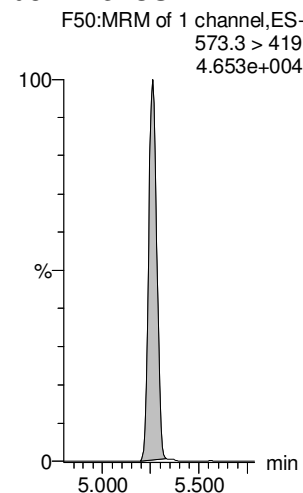
13C2-8:2 FTS



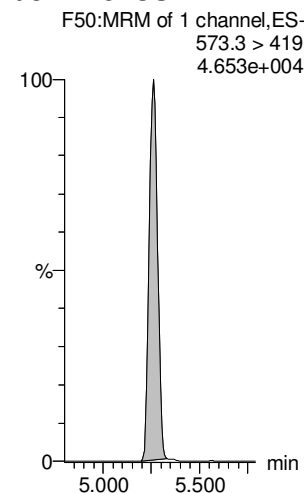
13C8-PFOS



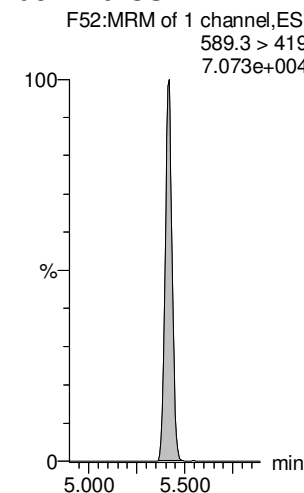
d3-N-MeFOSAA



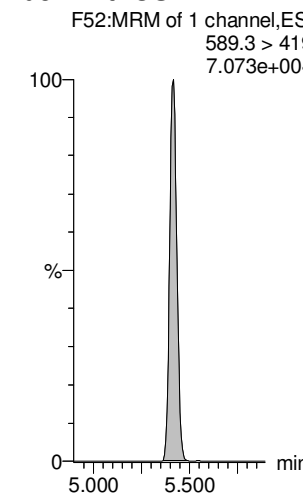
d3-N-MeFOSAA



d5-N-EtFOSAA



d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-108.qld

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Name: 180528M1_108, Date: 29-May-2018, Time: 10:32:42, ID: 1801010-08 MW0065051180517RAP 0.125, Description: MW0065051180517RAP

PFUdA

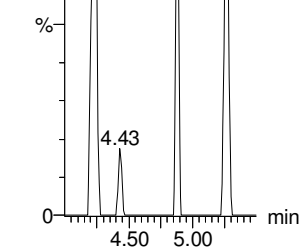
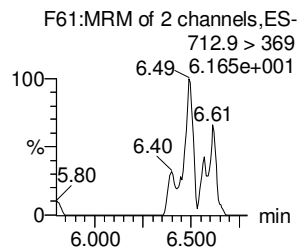
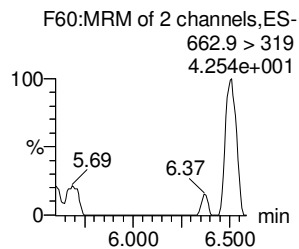
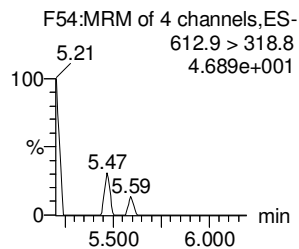
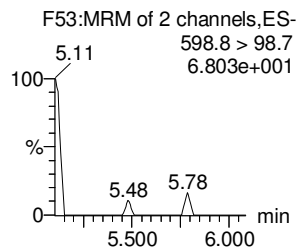
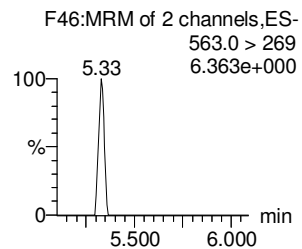
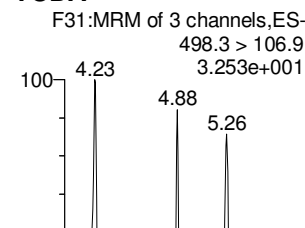
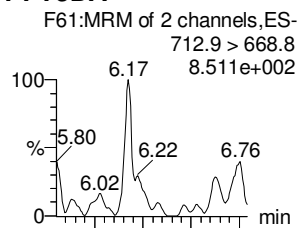
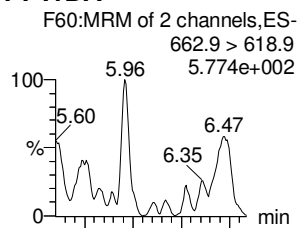
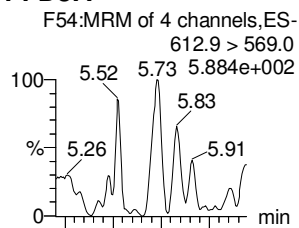
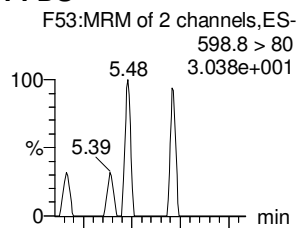
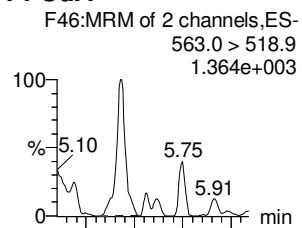
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

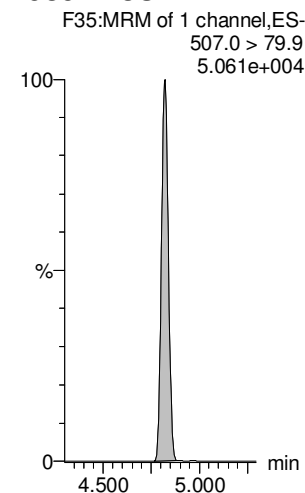
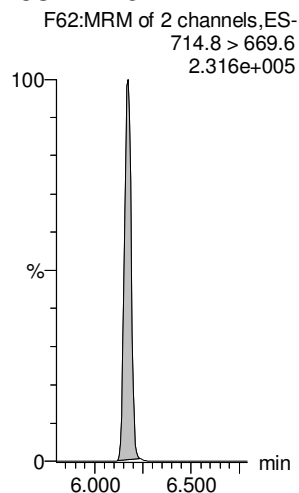
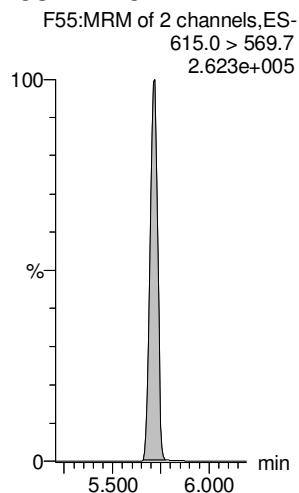
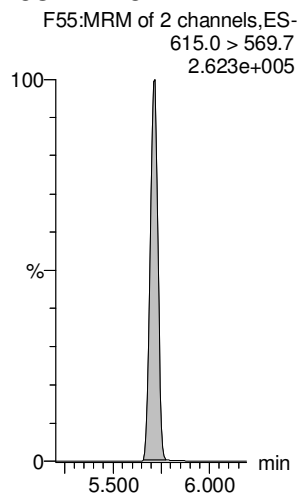
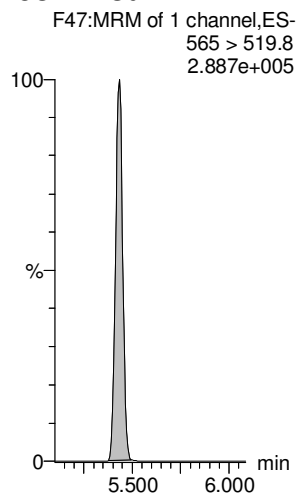
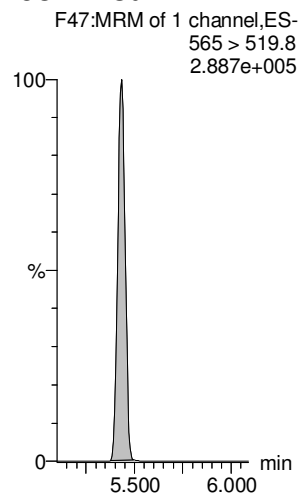
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-108.qld

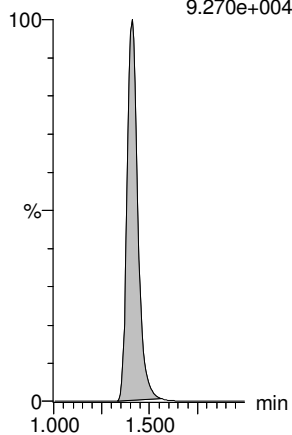
Last Altered: Wednesday, May 30, 2018 11:10:12 Pacific Daylight Time

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Name: 180528M1_108, Date: 29-May-2018, Time: 10:32:42, ID: 1801010-08 MW0065051180517RAP 0.125, Description: MW0065051180517RAP

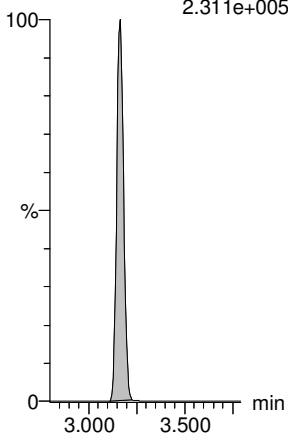
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
9.270e+004



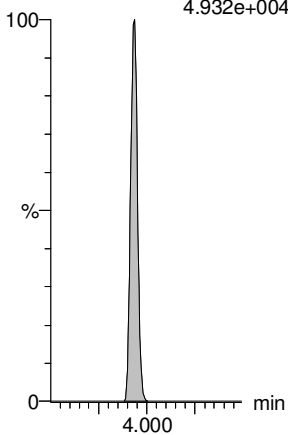
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
2.311e+005



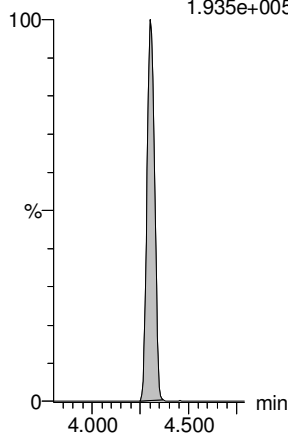
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
4.932e+004



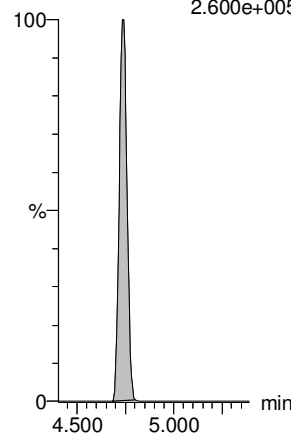
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.935e+005



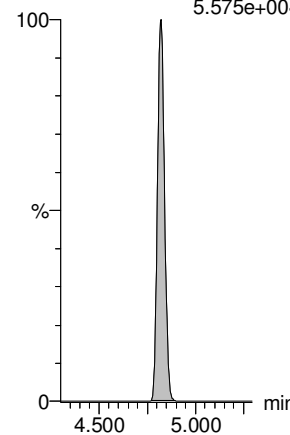
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.600e+005



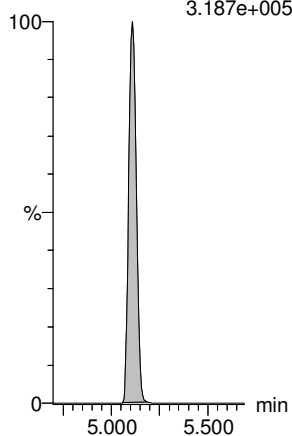
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.575e+004



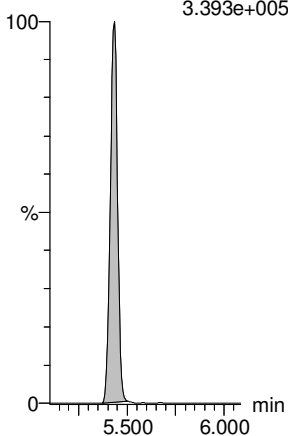
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
3.187e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.393e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-109.qld

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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_109, Date: 29-May-2018, Time: 10:43:08, ID: 1801010-09 MW0060510180517GSC 0.125, Description: MW0060510180517GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8		4.41e3	0.2431		1.41						
2	2 PFPeA	263.1 > 218.9		6.78e3	0.2431		2.39						
3	3 PFBS	299.0 > 79.7		9.48e2	0.2431		2.68						
4	4 4:2 FTS	327.2>307.2		1.89e3	0.2431		3.08						
5	5 PFHxA	313.2 > 268.9		2.14e3	0.2431		3.16						
6	6 PFPeS	349.1>80.1		9.48e2	0.2431		3.37						
7	7 PFHpA	363.0 > 318.9		7.25e3	0.2431		3.79						
8	8 L-PFHxS	398.9 > 79.6	1.42e1	8.43e2	0.2431		3.93	3.93	0.211	0.316		1.772	NO
9	9 Br-PFHxS	398.9 > 79.6		8.43e2	0.2431		3.80						
10	10 6:2 FTS	427.1 > 407		2.30e3	0.2431		4.23						
11	11 L-PFOA	413 > 368.7		1.07e4	0.2431		4.40						
12	12 Br-PFOA	413 > 368.7		1.07e4	0.2431		4.29						
13	13 PFHpS	449 > 80.0		1.07e4	0.2431		4.40						
14	14 PFNA	463.0 > 418.8		7.83e3	0.2431		4.73						
15	15 PFOSA	498.2 > 77.9		1.47e3	0.2431		4.79						
16	16 L-PFOS	499.1 > 79.9		2.03e3	0.2431		4.81						
17	17 Br-PFOS	499.1 > 79.9		2.03e3	0.2431		4.67						
18	18 PFDA	513 > 468.8		1.07e4	0.2431		5.10						
19	19 8:2 FTS	527 > 506.9		2.04e3	0.2431		5.07						
20	20 PFNS	549.1>80.1		2.03e3	0.2431		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.52e3	0.2431		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.52e3	0.2431		5.16						
23	23 L-EtFOSAA	584.2 > 419		2.37e3	0.2431		5.41						
24	24 Br-ETFOSAA	584.2 > 419		2.37e3	0.2431		5.32						
25	25 PFUdA	563.0 > 518.9		9.65e3	0.2431		5.42						
26	26 PFDS	598.8 > 80		9.65e3	0.2431		5.47						
27	27 PFDoA	612.9 > 569.0		1.21e4	0.2431		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.21e4	0.2431		5.95						
29	30 PFTeDA	712.9 > 668.8		1.17e4	0.2431		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.41e3	5.70e3	0.2431	0.847	1.39	1.41	9.69	47.019	91.4		
31	37 13C3-PFPeA	266. > 221.8	6.78e3	8.96e3	0.2431	0.852	2.37	2.38	9.46	45.670	88.8		
32	38 13C3-PFBS	302. > 98.8	9.48e2	8.96e3	0.2431	0.102	2.66	2.68	1.32	53.581	104.2		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-109.qld

Last Altered: Wednesday, May 30, 2018 11:12:40 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:13:15 Pacific Daylight Time

Name: 180528M1_109, Date: 29-May-2018, Time: 10:43:08, ID: 1801010-09 MW0060510180517GSC 0.125, Description: MW0060510180517GSC

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.89e3	8.96e3	0.2431	0.233	3.06	3.08	2.64	46.558	90.5	
34	40	13C2-PFHxA	315 > 269.8	2.14e3	8.96e3	0.2431	0.720	3.15	3.17	2.98	17.031	82.8	
35	41	13C4-PFHpA	367.2 > 321.8	7.25e3	8.96e3	0.2431	0.795	3.76	3.79	10.1	52.327	101.8	
36	42	18O2-PFHxS	403.0 > 102.6	8.43e2	2.09e3	0.2431	0.421	3.92	3.93	5.05	49.395	96.1	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.30e3	8.40e3	0.2431	0.280	4.23	4.25	3.42	50.183	97.6	
38	44	13C2-PFOA	414.9 > 369.7	1.07e4	8.40e3	0.2431	1.477	4.29	4.30	15.9	44.314	86.2	
39	45	13C5-PFNA	468.2 > 422.9	7.83e3	1.05e4	0.2431	0.955	4.73	4.74	9.34	40.240	78.2	
40	46	13C8-PFOSA	506.1 > 77.7	1.47e3	1.60e4	0.2431	0.151	4.79	4.81	1.15	31.372	61.0	
41	47	13C8-PFOS	507.0 > 79.9	2.03e3	2.38e3	0.2431	1.023	4.81	4.82	10.7	42.960	83.5	
42	48	13C2-PFDA	515.1 > 469.9	1.07e4	1.17e4	0.2431	1.200	5.10	5.11	11.5	39.383	76.6	
43	49	13C2-8:2 FTS	529.1 > 508.7	2.04e3	8.96e3	0.2431	0.224	5.07	5.08	2.85	52.285	101.7	
44	50	d3-N-MeFOSAA	573.3 > 419	2.52e3	1.60e4	0.2431	0.231	5.25	5.26	1.97	35.104	68.3	
45	51	d5-N-EtFOSAA	589.3 > 419	2.37e3	1.60e4	0.2431	0.259	5.41	5.42	1.86	29.534	57.4	
46	52	13C2-PFUdA	565 > 519.8	9.65e3	1.60e4	0.2431	0.996	5.42	5.43	7.56	31.214	60.7	
47	53	13C2-PFDoA	615.0 > 569.7	1.21e4	1.17e4	0.2431	1.247	5.70	5.71	13.0	42.798	83.2	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.60e4	0.2431	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	1.17e4	1.60e4	0.2431	0.792	6.17	6.17	9.15	47.529	92.4	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.60e4	0.2431	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	6.94e3	1.60e4	0.2431	1.211	6.50	6.50	5.44	18.477	89.8	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.60e4	0.2431	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.60e4	0.2431	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	5.70e3	5.70e3	0.2431	1.000	1.39	1.41	12.5	51.426	100.0	
55	61	13C5-PFHxA	318 > 272.9	8.96e3	8.96e3	0.2431	1.000	3.14	3.17	12.5	51.426	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.09e3	2.09e3	0.2431	1.000	3.92	3.93	12.5	51.426	100.0	
57	63	13C8-PFOA	421.3 > 376	8.40e3	8.40e3	0.2431	1.000	4.29	4.30	12.5	51.426	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.05e4	1.05e4	0.2431	1.000	4.72	4.74	12.5	51.426	100.0	
59	65	13C4-PFOS	503 > 79.9	2.38e3	2.38e3	0.2431	1.000	4.81	4.82	12.5	51.426	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.17e4	1.17e4	0.2431	1.000	5.10	5.11	12.5	51.426	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.60e4	1.60e4	0.2431	1.000	5.42	5.43	12.5	51.426	100.0	
62	68	Total PFHxS	398.9 > 79.6	1.42e1	8.43e2	0.2431		4.05		0.211	0.316		
63	69	Total PFOA	413 > 368.7	0.00e0	1.07e4	0.2431		4.30		0.000			
64	70	Total PFOS	499.1 > 79.9	0.00e0	2.03e3	0.2431		4.90		0.000			
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.52e3	0.2431		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	2.37e3	0.2431		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-109.qld

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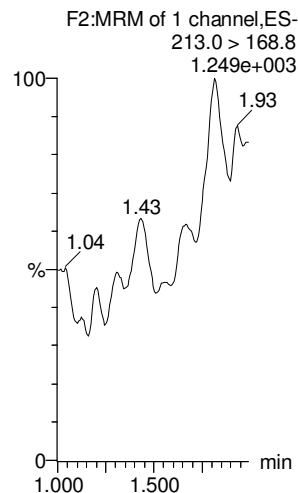
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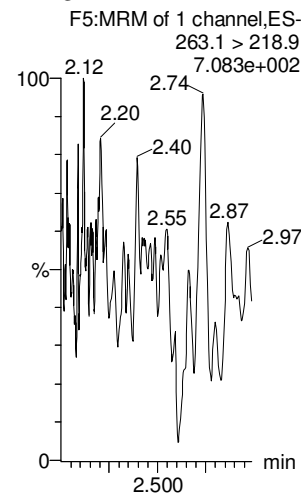
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Name: 180528M1_109, Date: 29-May-2018, Time: 10:43:08, ID: 1801010-09 MW0060510180517GSC 0.125, Description: MW0060510180517GSC

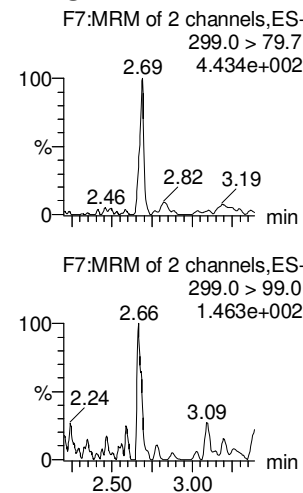
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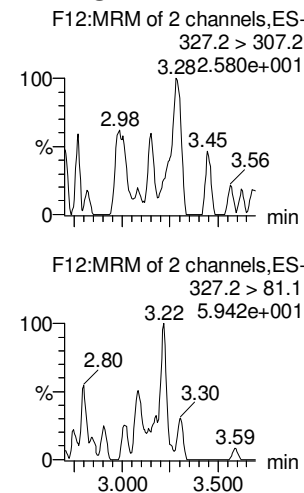
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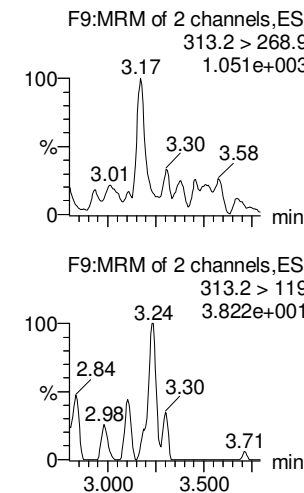
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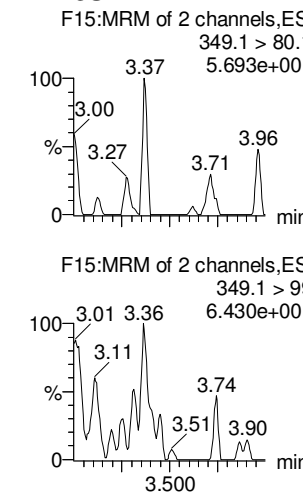
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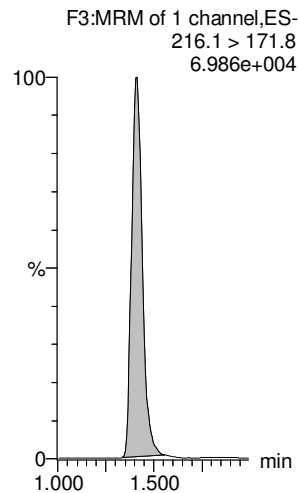
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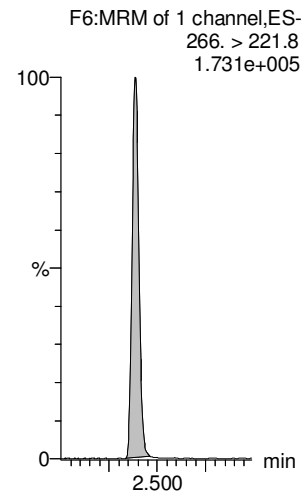
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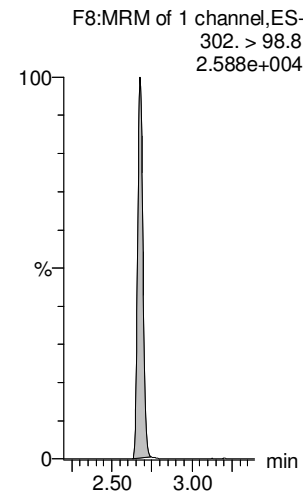
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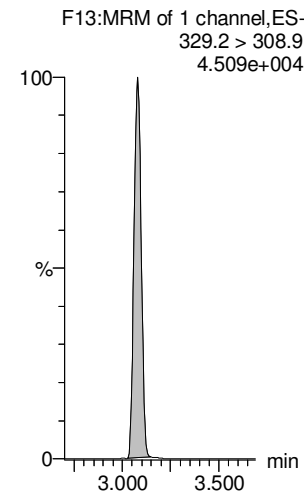
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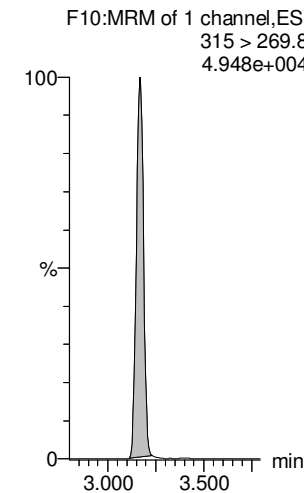
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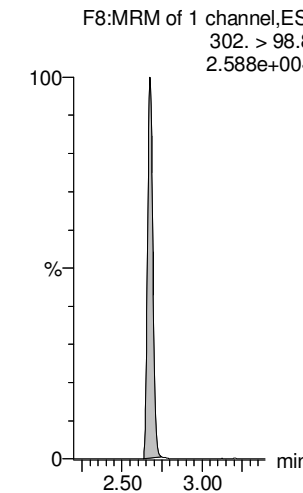
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



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Name: 180528M1_109, Date: 29-May-2018, Time: 10:43:08, ID: 1801010-09 MW0060510180517GSC 0.125, Description: MW0060510180517GSC

L-PFHxS

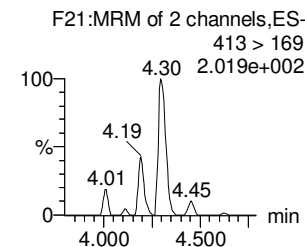
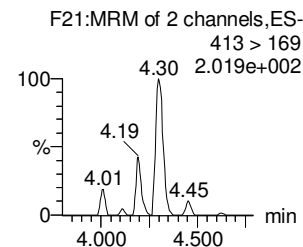
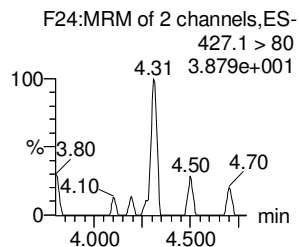
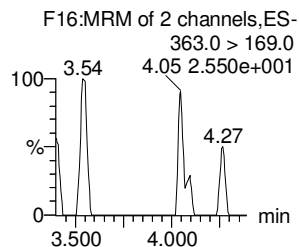
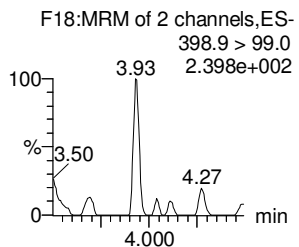
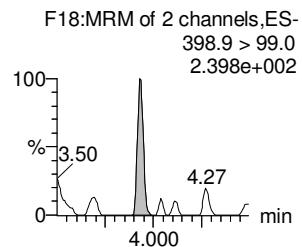
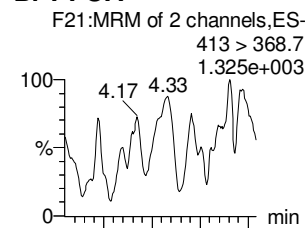
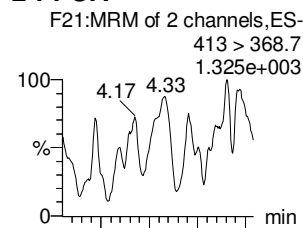
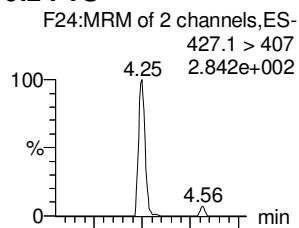
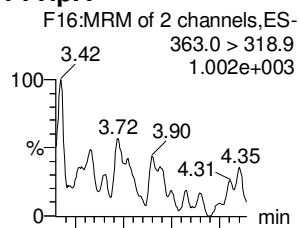
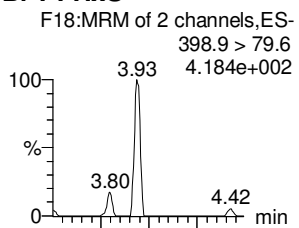
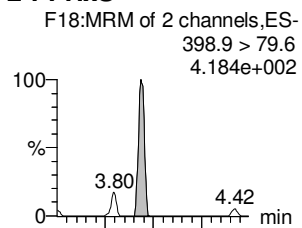
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

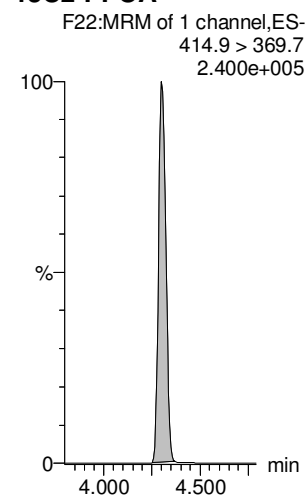
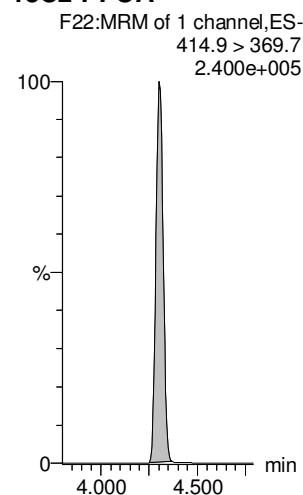
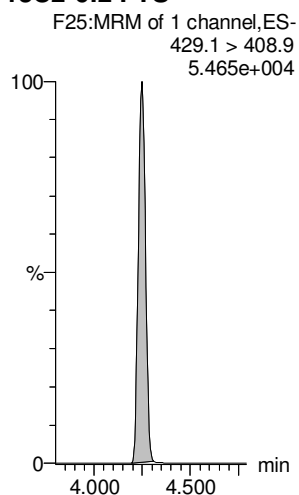
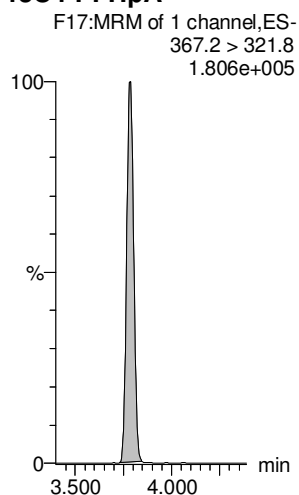
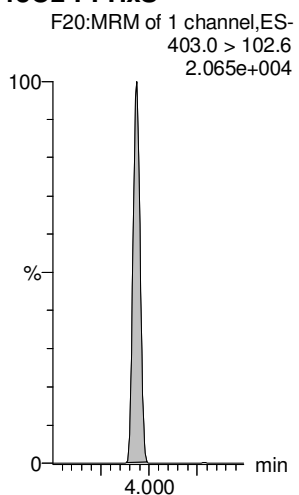
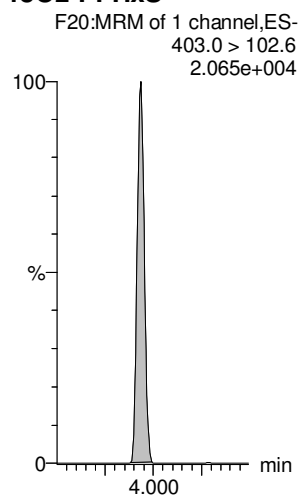
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-109.qld

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Name: 180528M1_109, Date: 29-May-2018, Time: 10:43:08, ID: 1801010-09 MW0060510180517GSC 0.125, Description: MW0060510180517GSC

PFHpS

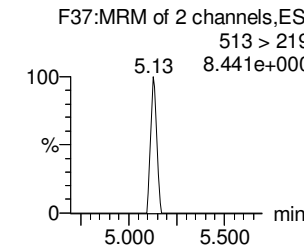
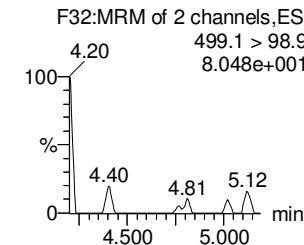
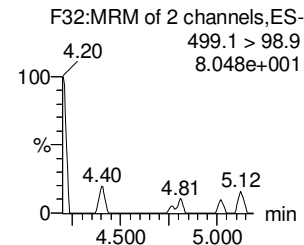
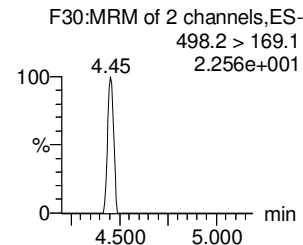
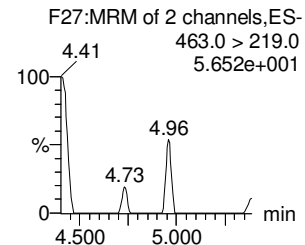
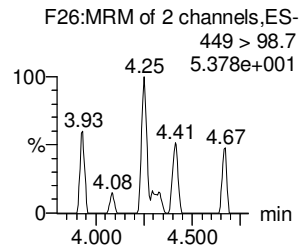
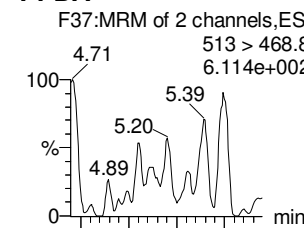
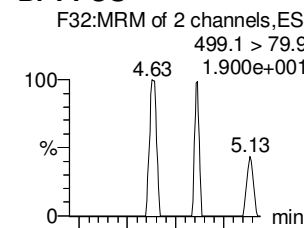
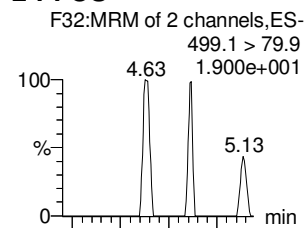
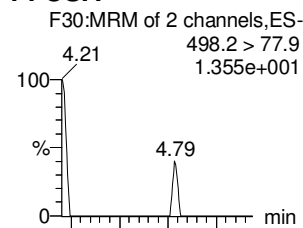
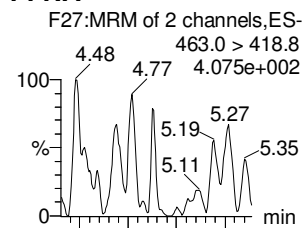
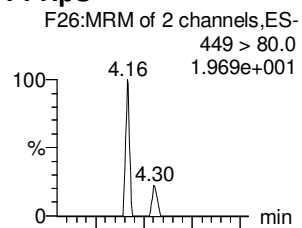
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

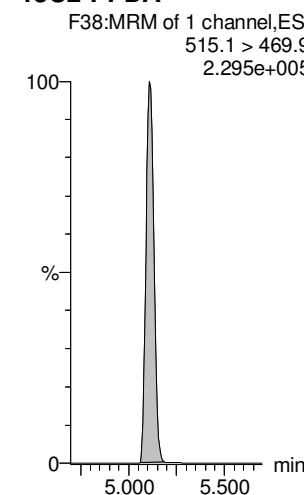
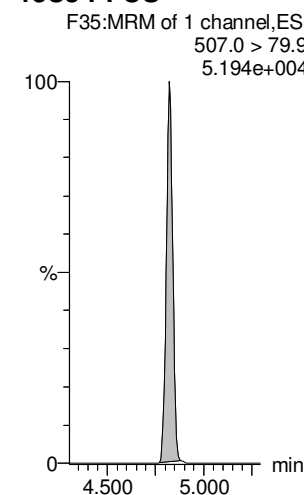
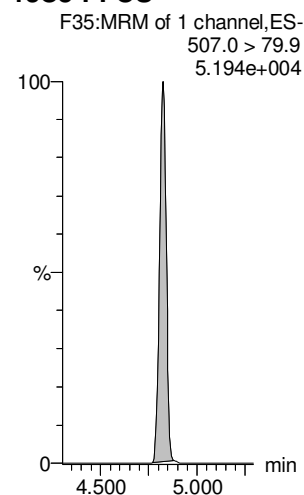
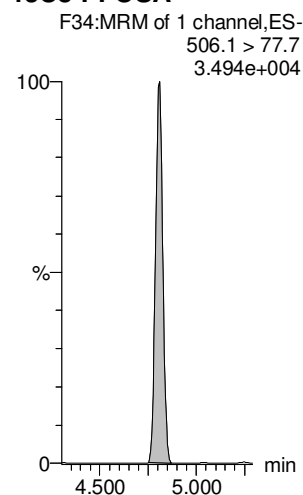
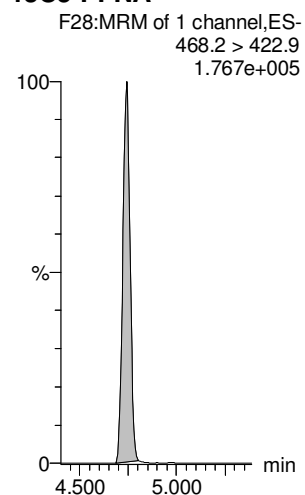
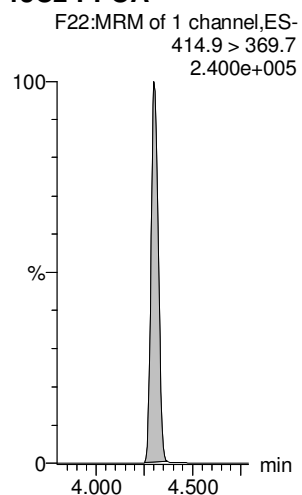
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13C8-PFOSA

13C8-PFOS

13C8-PFOS

13C2-PFDA



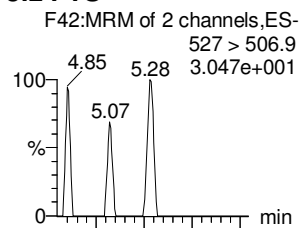
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-109.qld

Last Altered: Wednesday, May 30, 2018 11:12:40 Pacific Daylight Time

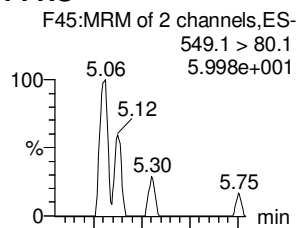
Printed: Wednesday, May 30, 2018 11:13:15 Pacific Daylight Time

Name: 180528M1_109, Date: 29-May-2018, Time: 10:43:08, ID: 1801010-09 MW0060510180517GSC 0.125, Description: MW0060510180517GSC

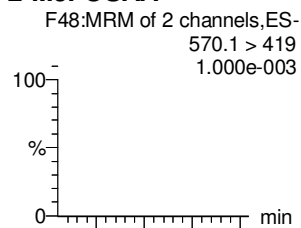
8:2 FTS



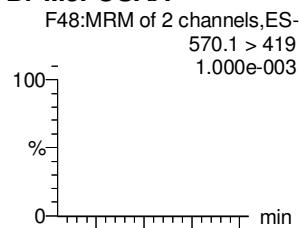
PFNS



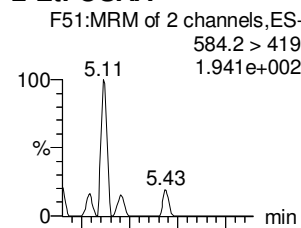
L-MeFOSAA



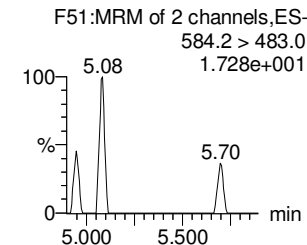
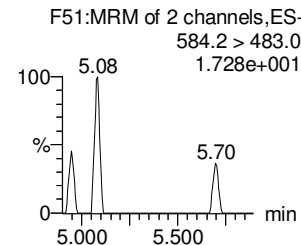
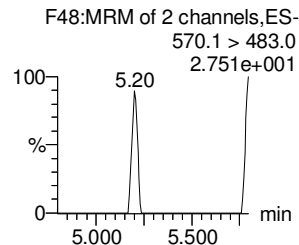
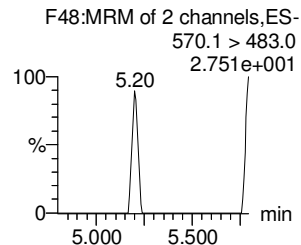
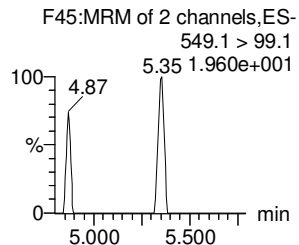
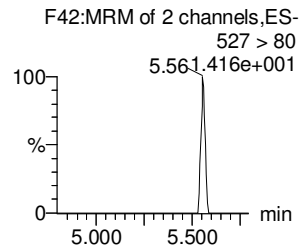
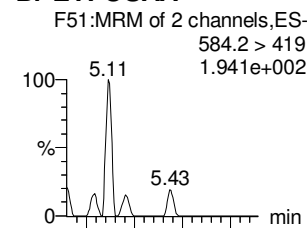
Br-MeFOSAA



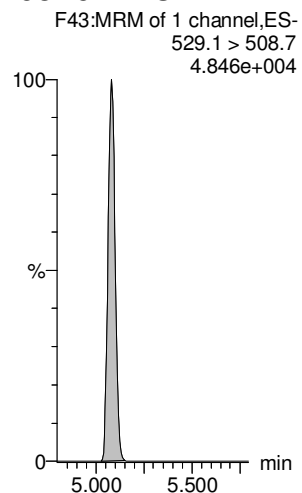
L-EtFOSAA



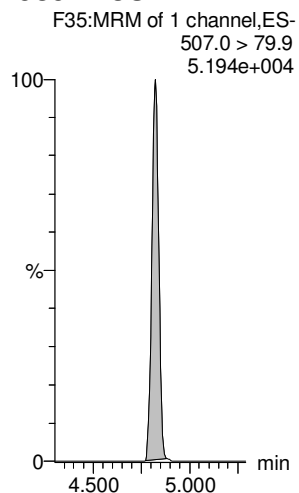
Br-ETFOSAA



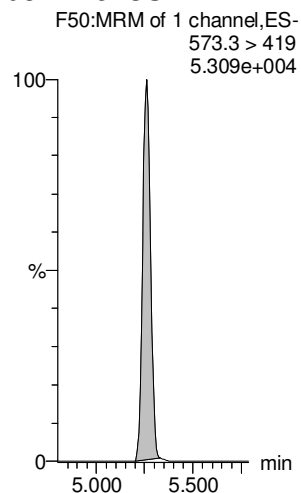
13C2-8:2 FTS



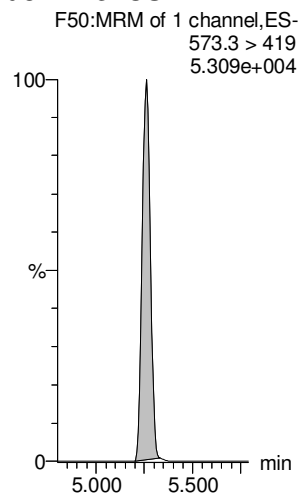
13C8-PFOS



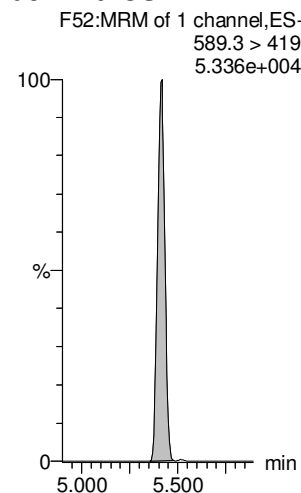
d3-N-MeFOSAA



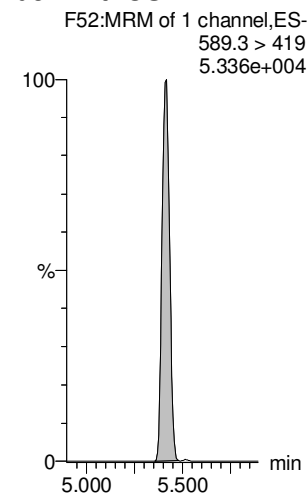
d3-N-MeFOSAA



d5-N-EtFOSAA



d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-109.qld

Last Altered: Wednesday, May 30, 2018 11:12:40 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:13:15 Pacific Daylight Time

Name: 180528M1_109, Date: 29-May-2018, Time: 10:43:08, ID: 1801010-09 MW0060510180517GSC 0.125, Description: MW0060510180517GSC

PFUdA

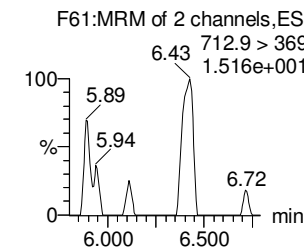
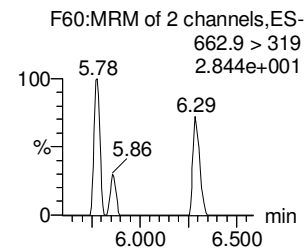
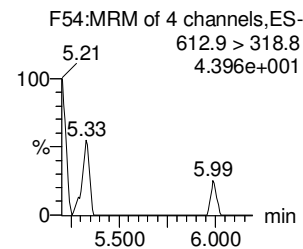
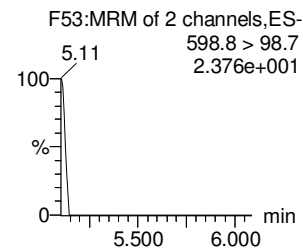
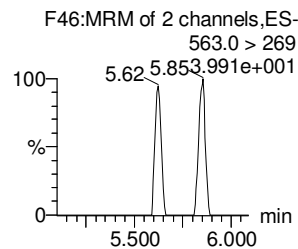
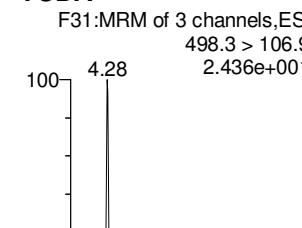
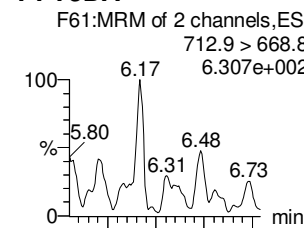
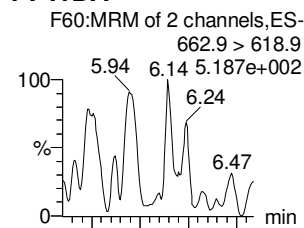
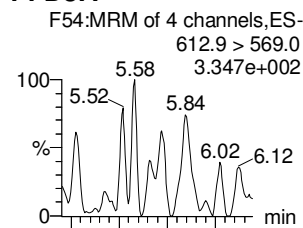
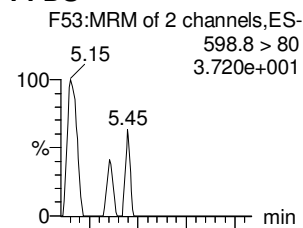
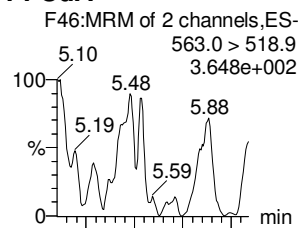
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

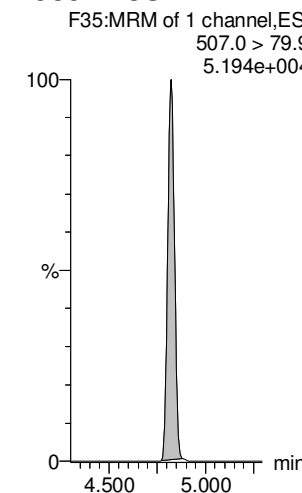
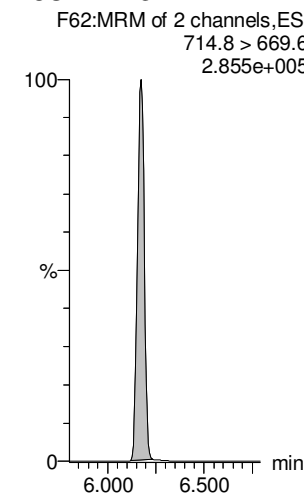
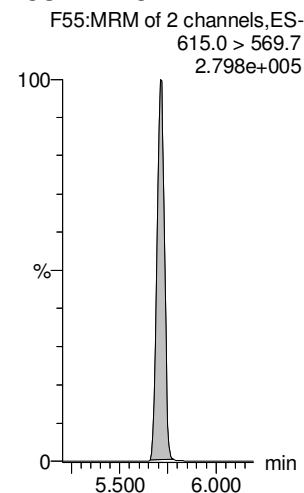
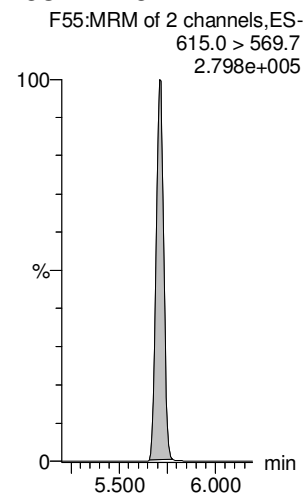
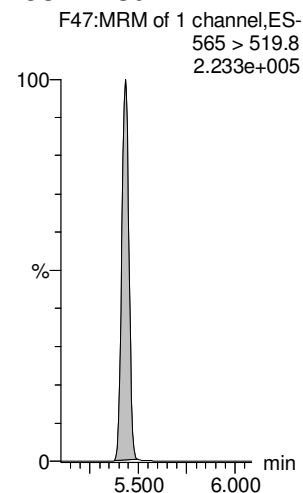
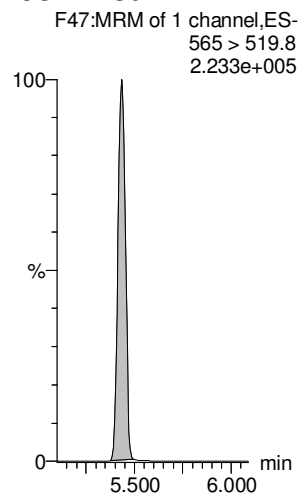
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-109.qld

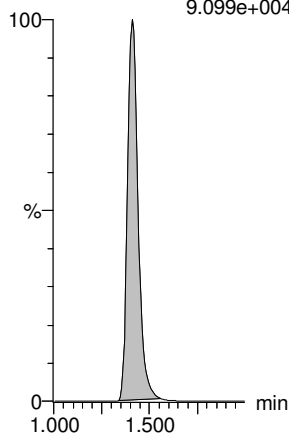
Last Altered: Wednesday, May 30, 2018 11:12:40 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:13:15 Pacific Daylight Time

Name: 180528M1_109, Date: 29-May-2018, Time: 10:43:08, ID: 1801010-09 MW0060510180517GSC 0.125, Description: MW0060510180517GSC

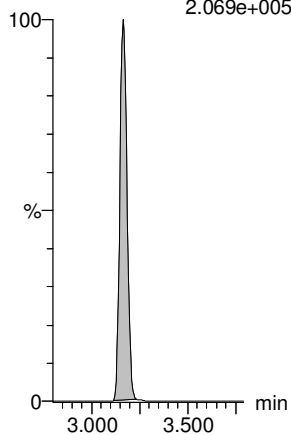
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
9.099e+004



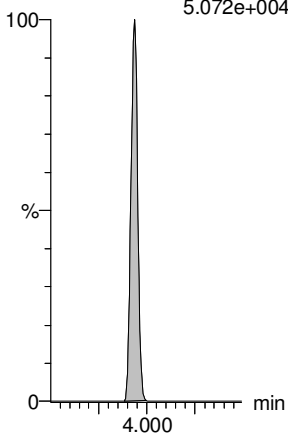
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
2.069e+005



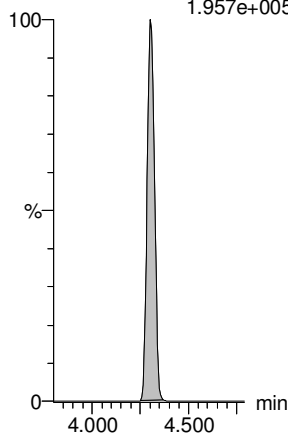
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
5.072e+004



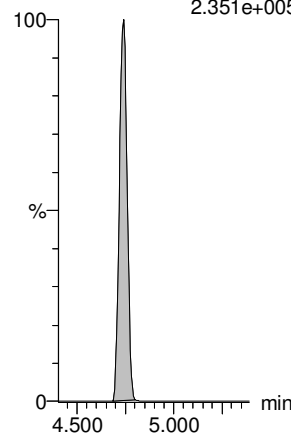
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.957e+005



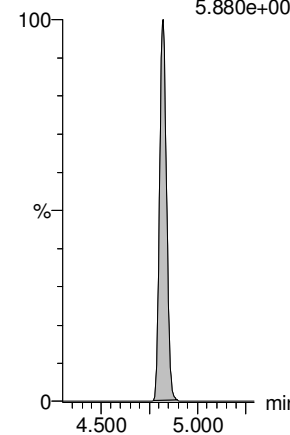
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.351e+005



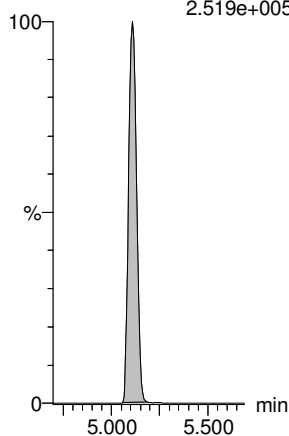
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.880e+004



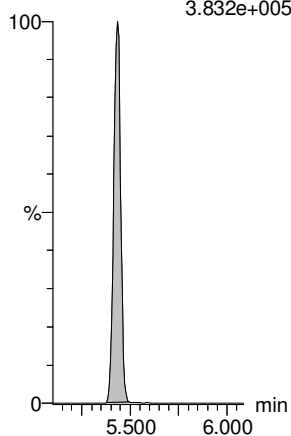
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.519e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.832e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-110.qld

Last Altered: Wednesday, May 30, 2018 11:16:30 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:17:00 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_110, Date: 29-May-2018, Time: 10:53:38, ID: 1801010-10 MW0010308180518GSC 0.125, Description: MW0010308180518GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	2.72e2	3.95e3	0.2504		1.42	1.42	0.859	2.957			
2	2 PFPeA	263.1 > 218.9		5.90e3	0.2504		2.40						
3	3 PFBS	299.0 > 79.7	6.21e2	8.66e2	0.2504		2.68	2.68	8.96	19.733		2.862	NO
4	4 4:2 FTS	327.2>307.2		1.67e3	0.2504		3.08						
5	5 PFHxA	313.2 > 268.9	2.30e2	2.28e3	0.2504		3.17	3.17	0.502	1.216		140.672	YES
6	6 PFPeS	349.1>80.1		8.66e2	0.2504		3.37						
7	7 PFHpA	363.0 > 318.9		6.05e3	0.2504		3.79						
8	8 L-PFHxS	398.9 > 79.6	3.34e1	7.48e2	0.2504		3.93	3.93	0.558	1.087		2.874	YES
9	9 Br-PFHxS	398.9 > 79.6		7.48e2	0.2504		3.80						
10	10 6:2 FTS	427.1 > 407	1.04e1	1.96e3	0.2504		4.23	4.26	0.0662			1.207	YES
11	11 L-PFOA	413 > 368.7	5.18e2	1.03e4	0.2504		4.40	4.31	0.627	2.387		5.886	NO
12	12 Br-PFOA	413 > 368.7		1.03e4	0.2504		4.29						
13	13 PFHpS	449 > 80.0		1.03e4	0.2504		4.40						
14	14 PFNA	463.0 > 418.8		8.49e3	0.2504		4.73						
15	15 PFOSA	498.2 > 77.9		1.35e3	0.2504		4.79						
16	16 L-PFOS	499.1 > 79.9	3.09e1	1.87e3	0.2504		4.81	4.83	0.207	0.801		1.203	YES
17	17 Br-PFOS	499.1 > 79.9	5.39e1	1.87e3	0.2504		4.67	4.68	0.361	1.525		3.198	NO
18	18 PFDA	513 > 468.8		9.11e3	0.2504		5.10						
19	19 8:2 FTS	527 > 506.9		1.80e3	0.2504		5.07						
20	20 PFNS	549.1>80.1		1.87e3	0.2504		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.31e3	0.2504		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.31e3	0.2504		5.16						
23	23 L-EtFOSAA	584.2 > 419		2.82e3	0.2504		5.41						
24	24 Br-ETFOSAA	584.2 > 419		2.82e3	0.2504		5.32						
25	25 PFUdA	563.0 > 518.9		1.17e4	0.2504		5.42						
26	26 PFDS	598.8 > 80		1.17e4	0.2504		5.47						
27	27 PFDoA	612.9 > 569.0		1.18e4	0.2504		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.18e4	0.2504		5.95						
29	30 PFTeDA	712.9 > 668.8		1.04e4	0.2504		6.17						
30	36 13C3-PFBA	216.1 > 171.8	3.95e3	4.92e3	0.2504	0.847	1.39	1.42	10.0	47.297	94.7		
31	37 13C3-PFPeA	266. > 221.8	5.90e3	8.36e3	0.2504	0.852	2.37	2.39	8.82	41.367	82.9		
32	38 13C3-PFBS	302. > 98.8	8.66e2	8.36e3	0.2504	0.102	2.66	2.68	1.30	50.952	102.1		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-110.qld

Last Altered: Wednesday, May 30, 2018 11:16:30 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:17:00 Pacific Daylight Time

Name: 180528M1_110, Date: 29-May-2018, Time: 10:53:38, ID: 1801010-10 MW0010308180518GSC 0.125, Description: MW0010308180518GSC

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.67e3	8.36e3	0.2504	0.233	3.06	3.08	2.50	42.831	85.8	
34	40	13C2-PFHxA	315 > 269.8	2.28e3	8.36e3	0.2504	0.720	3.15	3.17	3.42	18.941	94.8	
35	41	13C4-PFHpA	367.2 > 321.8	6.05e3	8.36e3	0.2504	0.795	3.76	3.79	9.05	45.470	91.1	
36	42	18O2-PFHxS	403.0 > 102.6	7.48e2	1.93e3	0.2504	0.421	3.92	3.93	4.86	46.107	92.3	
37	43	13C2-6:2 FTS	429.1 > 408.9	1.96e3	7.79e3	0.2504	0.280	4.23	4.25	3.14	44.769	89.7	
38	44	13C2-PFOA	414.9 > 369.7	1.03e4	7.79e3	0.2504	1.477	4.29	4.31	16.6	44.841	89.8	
39	45	13C5-PFNA	468.2 > 422.9	8.49e3	1.09e4	0.2504	0.955	4.73	4.74	9.76	40.803	81.7	
40	46	13C8-PFOSA	506.1 > 77.7	1.35e3	1.29e4	0.2504	0.151	4.79	4.81	1.31	34.511	69.1	
41	47	13C8-PFOS	507.0 > 79.9	1.87e3	1.96e3	0.2504	1.023	4.81	4.82	11.9	46.474	93.1	
42	48	13C2-PFDA	515.1 > 469.9	9.11e3	9.94e3	0.2504	1.200	5.10	5.12	11.5	38.125	76.4	
43	49	13C2-8:2 FTS	529.1 > 508.7	1.80e3	8.36e3	0.2504	0.224	5.07	5.08	2.70	48.090	96.3	
44	50	d3-N-MeFOSAA	573.3 > 419	2.31e3	1.29e4	0.2504	0.231	5.25	5.26	2.23	38.625	77.4	
45	51	d5-N-EtFOSAA	589.3 > 419	2.82e3	1.29e4	0.2504	0.259	5.41	5.42	2.72	42.082	84.3	
46	52	13C2-PFUdA	565 > 519.8	1.17e4	1.29e4	0.2504	0.996	5.42	5.43	11.3	45.373	90.9	
47	53	13C2-PFDoA	615.0 > 569.7	1.18e4	9.94e3	0.2504	1.247	5.70	5.72	14.8	47.559	95.3	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.29e4	0.2504	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	1.04e4	1.29e4	0.2504	0.792	6.17	6.17	10.1	50.870	101.9	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.29e4	0.2504	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	5.96e3	1.29e4	0.2504	1.211	6.50	6.50	5.75	18.977	95.0	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.29e4	0.2504	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.29e4	0.2504	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	4.92e3	4.92e3	0.2504	1.000	1.39	1.42	12.5	49.926	100.0	
55	61	13C5-PFHxA	318 > 272.9	8.36e3	8.36e3	0.2504	1.000	3.14	3.17	12.5	49.926	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	1.93e3	1.93e3	0.2504	1.000	3.92	3.93	12.5	49.926	100.0	
57	63	13C8-PFOA	421.3 > 376	7.79e3	7.79e3	0.2504	1.000	4.29	4.31	12.5	49.926	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.09e4	1.09e4	0.2504	1.000	4.72	4.74	12.5	49.926	100.0	
59	65	13C4-PFOS	503 > 79.9	1.96e3	1.96e3	0.2504	1.000	4.81	4.83	12.5	49.926	100.0	
60	66	13C6-PFDA	519.1 > 473.7	9.94e3	9.94e3	0.2504	1.000	5.10	5.11	12.5	49.926	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.29e4	1.29e4	0.2504	1.000	5.42	5.43	12.5	49.926	100.0	
62	68	Total PFHxS	398.9 > 79.6	3.34e1	7.48e2	0.2504		4.05		0.558	1.087		
63	69	Total PFOA	413 > 368.7	5.18e2	1.03e4	0.2504		4.30		0.627	2.387		
64	70	Total PFOS	499.1 > 79.9	8.48e1	1.87e3	0.2504		4.90		0.568	2.326		
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.31e3	0.2504		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	2.82e3	0.2504		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-110.qld

Last Altered: Wednesday, May 30, 2018 11:16:30 Pacific Daylight Time

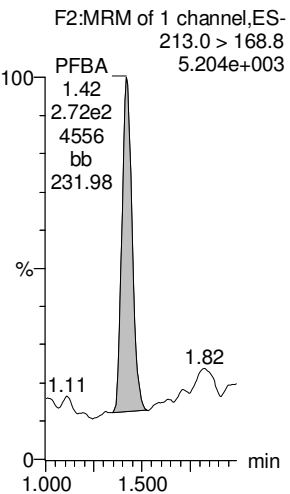
Printed: Wednesday, May 30, 2018 11:17:00 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

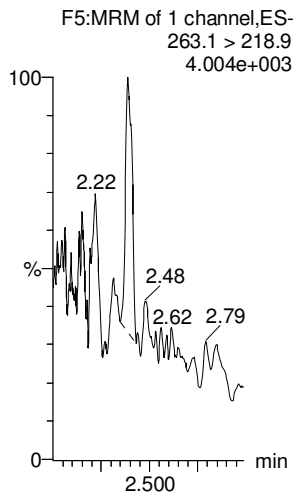
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Name: 180528M1_110, Date: 29-May-2018, Time: 10:53:38, ID: 1801010-10 MW0010308180518GSC 0.125, Description: MW0010308180518GSC

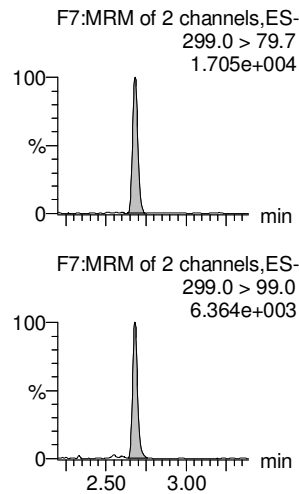
PFBA



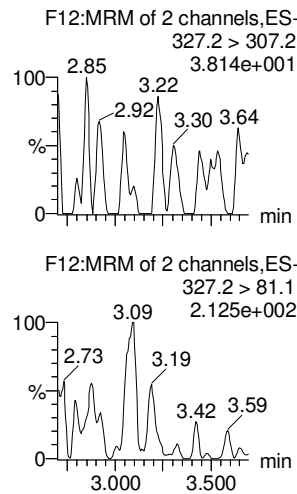
PFPeA



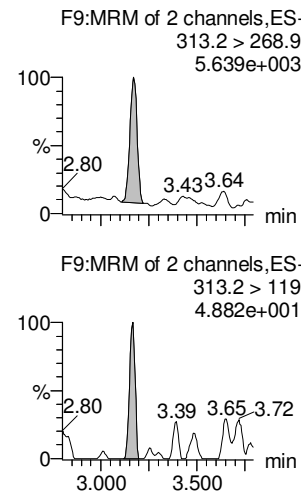
PFBS



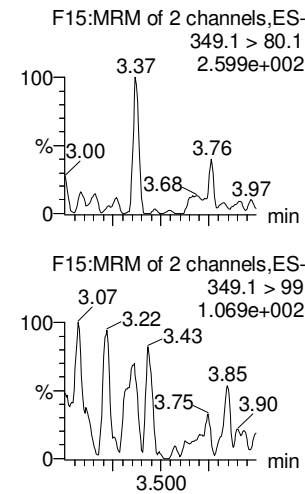
4:2 FTS



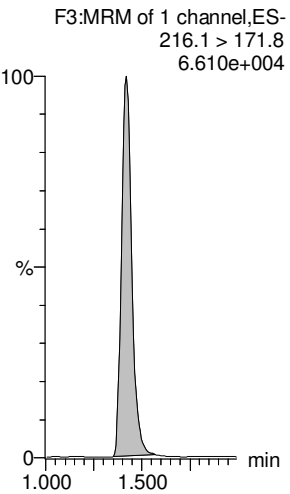
PFHxA



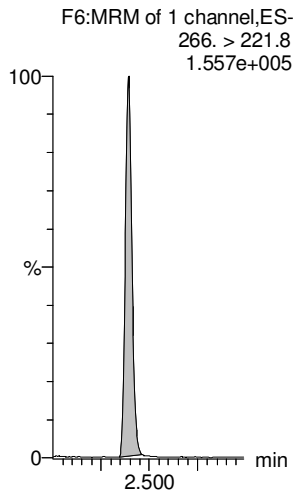
PFPeS



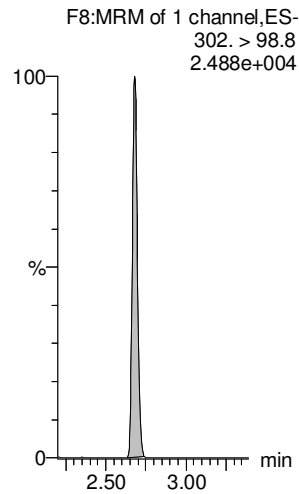
13C3-PFBA



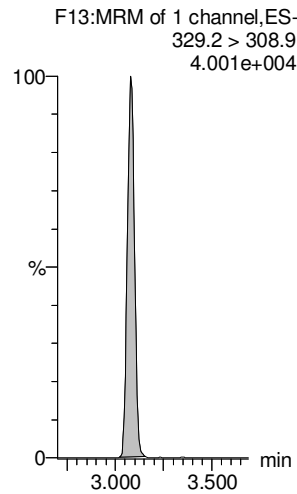
13C3-PFPeA



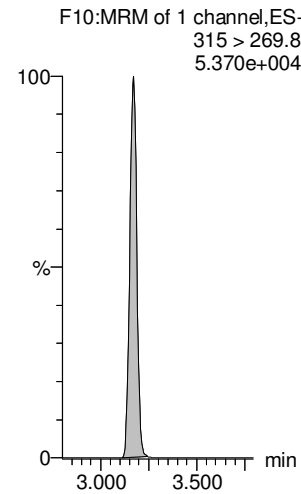
13C3-PFBS



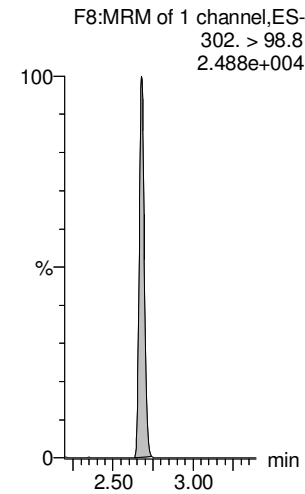
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-110.qld

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Name: 180528M1_110, Date: 29-May-2018, Time: 10:53:38, ID: 1801010-10 MW0010308180518GSC 0.125, Description: MW0010308180518GSC

L-PFHxS

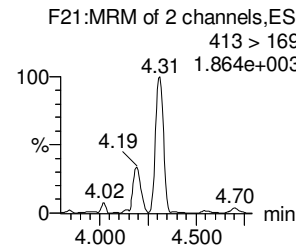
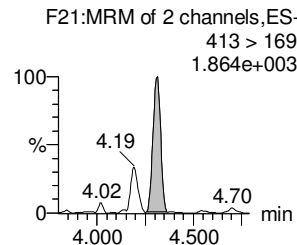
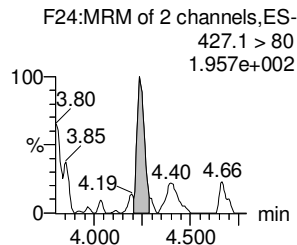
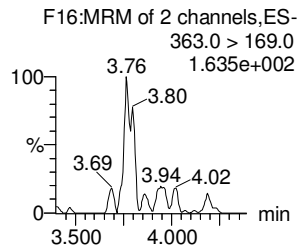
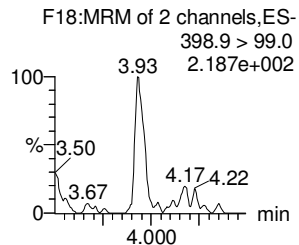
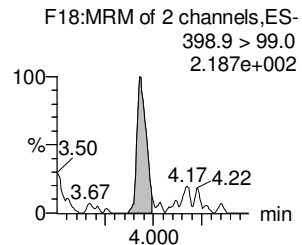
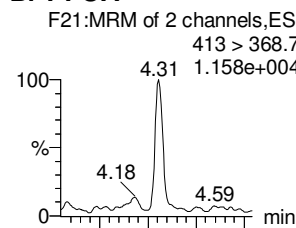
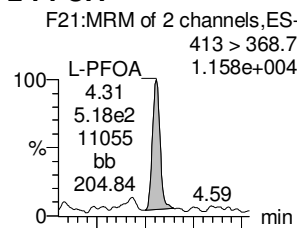
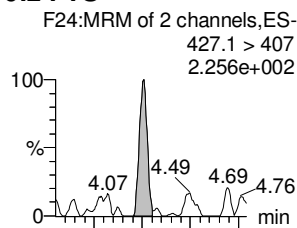
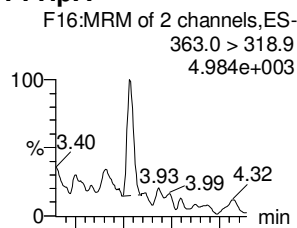
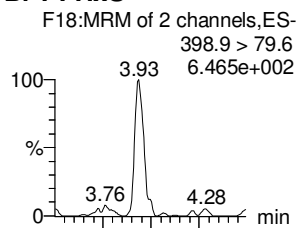
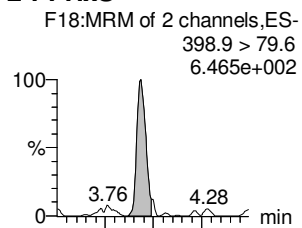
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

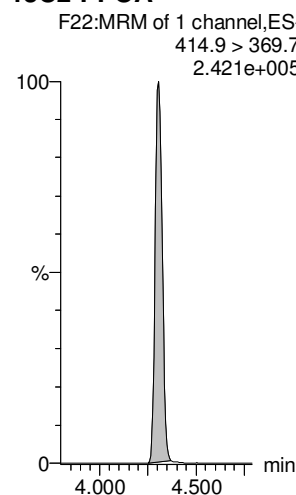
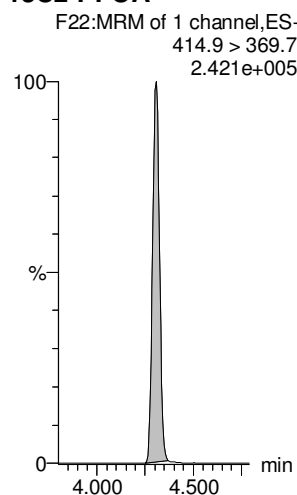
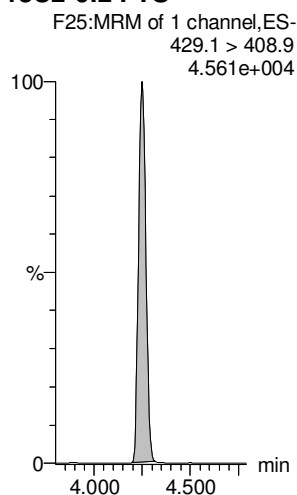
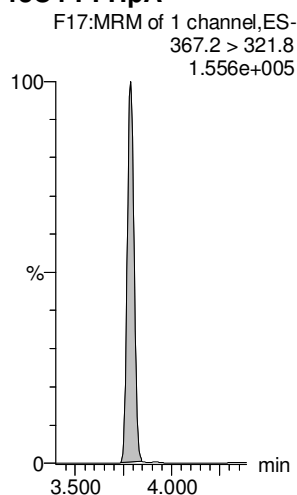
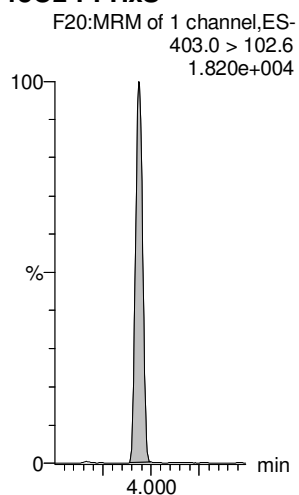
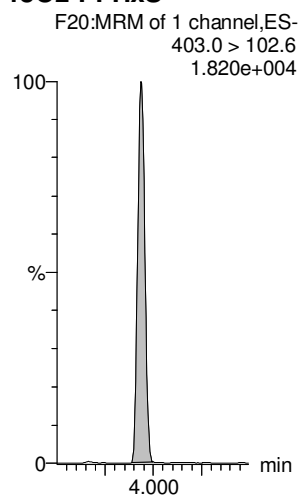
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-110.qld

Last Altered: Wednesday, May 30, 2018 11:16:30 Pacific Daylight Time

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Name: 180528M1_110, Date: 29-May-2018, Time: 10:53:38, ID: 1801010-10 MW0010308180518GSC 0.125, Description: MW0010308180518GSC

PFHpS

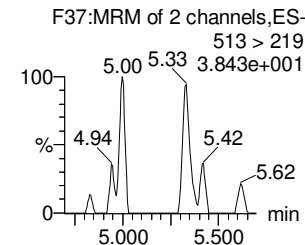
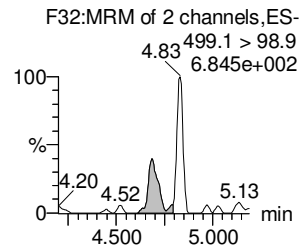
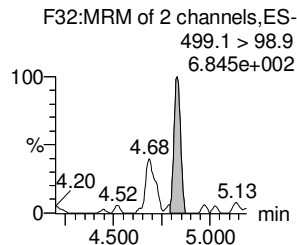
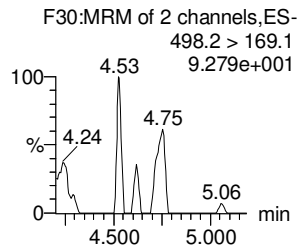
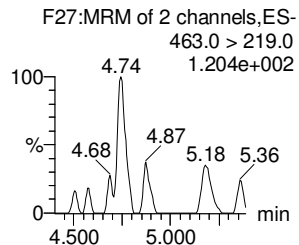
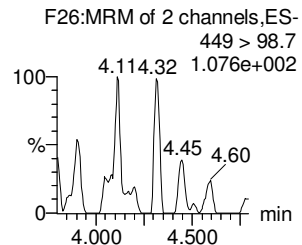
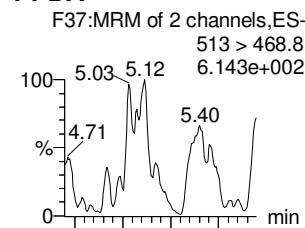
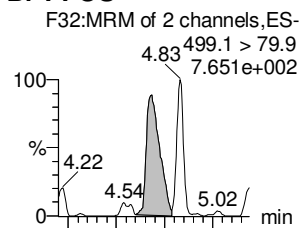
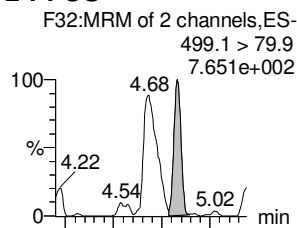
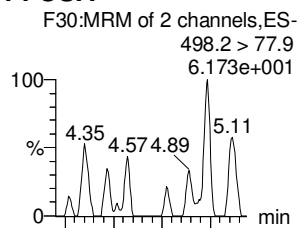
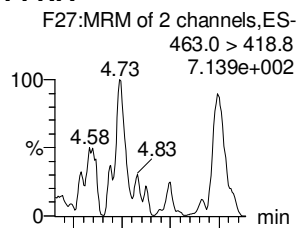
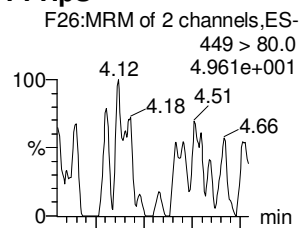
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

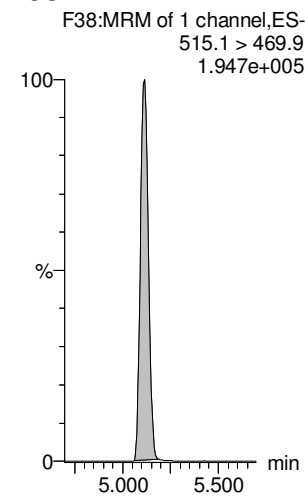
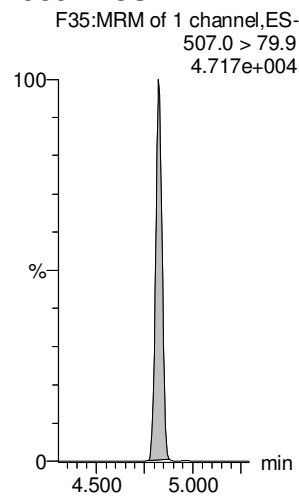
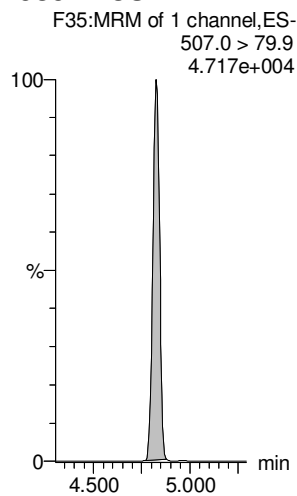
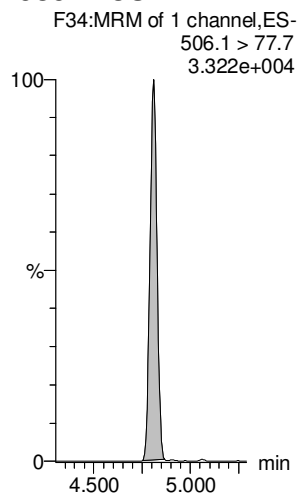
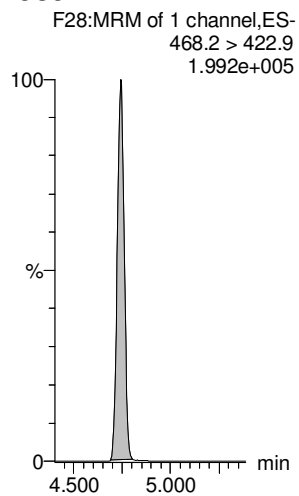
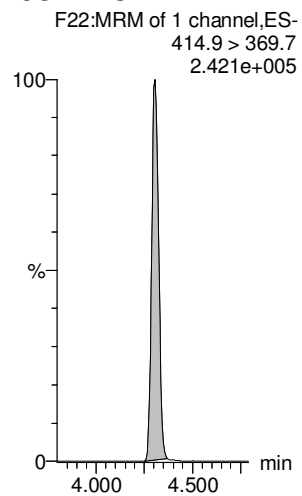
13C5-PFNA

13C8-PFOA

13C8-PFOS

13C8-PFOS

13C2-PFDA



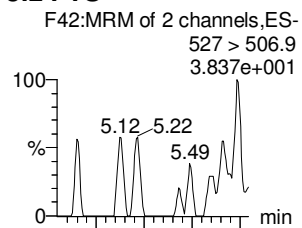
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-110.qld

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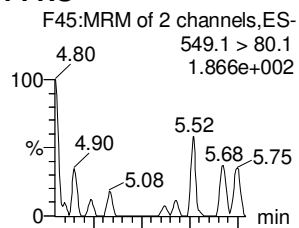
Printed: Wednesday, May 30, 2018 11:17:00 Pacific Daylight Time

Name: 180528M1_110, Date: 29-May-2018, Time: 10:53:38, ID: 1801010-10 MW0010308180518GSC 0.125, Description: MW0010308180518GSC

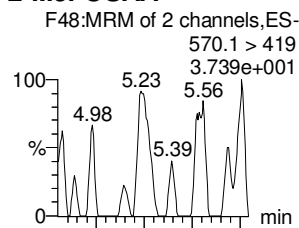
8:2 FTS



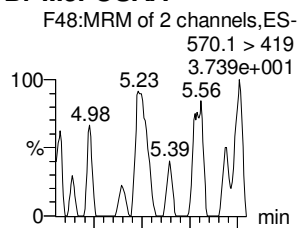
PFNS



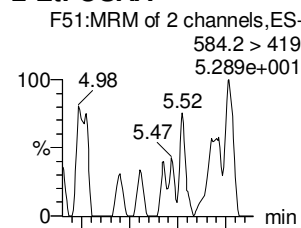
L-MeFOSAA



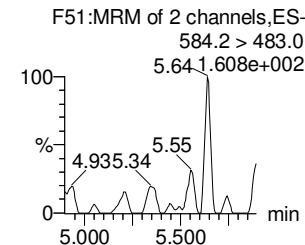
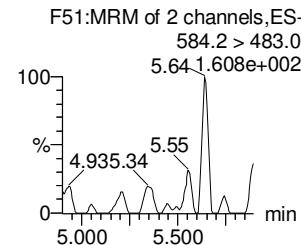
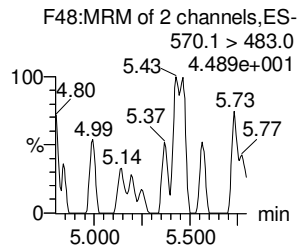
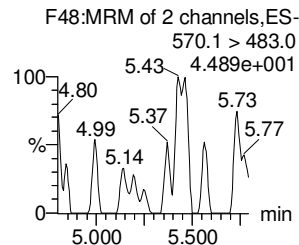
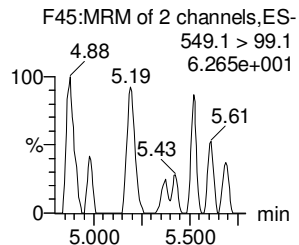
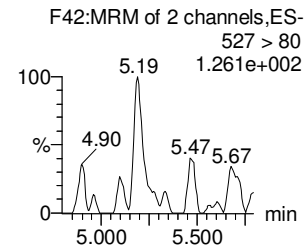
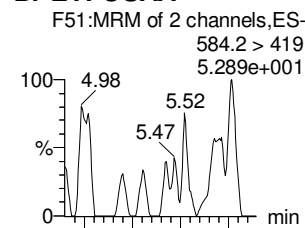
Br-MeFOSAA



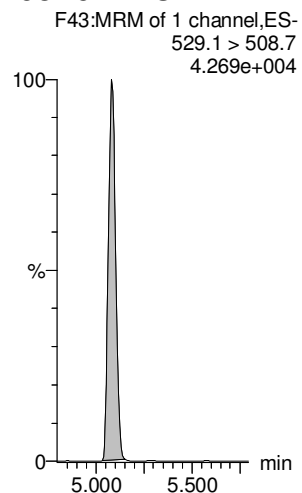
L-EtFOSAA



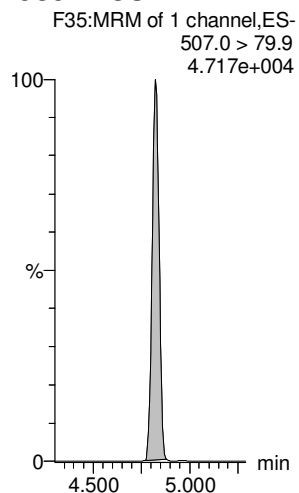
Br-ETFOSAA



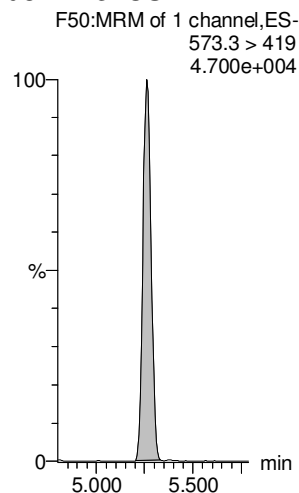
13C2-8:2 FTS



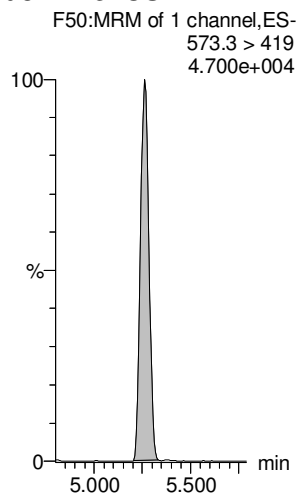
13C8-PFOS



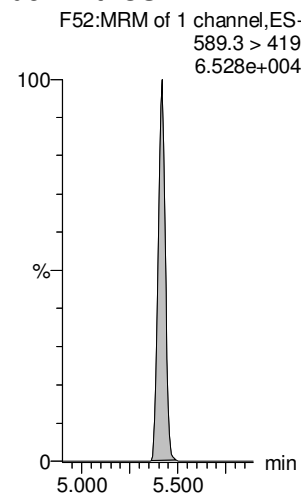
d3-N-MeFOSAA



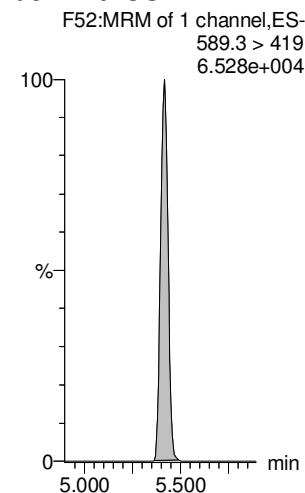
d3-N-MeFOSAA



d5-N-EtFOSAA



d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-110.qld

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Name: 180528M1_110, Date: 29-May-2018, Time: 10:53:38, ID: 1801010-10 MW0010308180518GSC 0.125, Description: MW0010308180518GSC

PFUdA

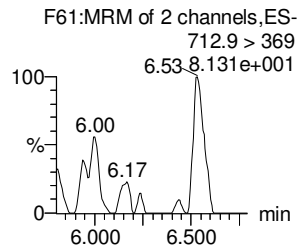
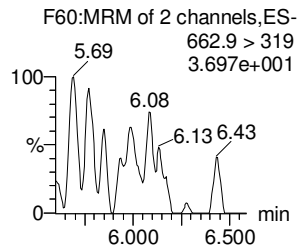
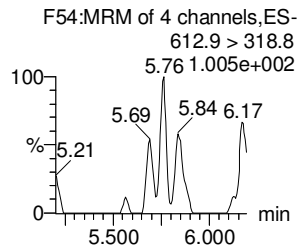
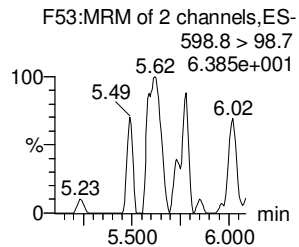
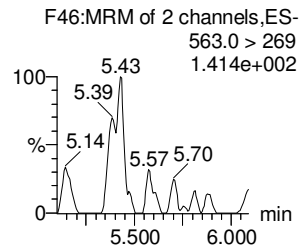
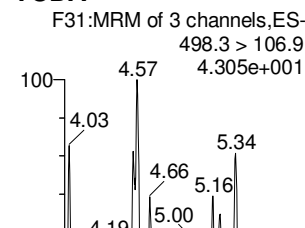
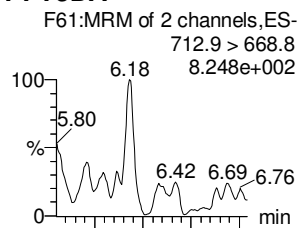
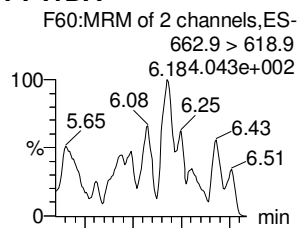
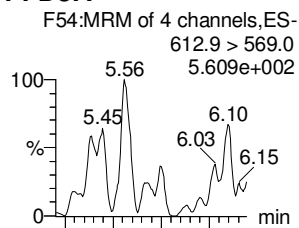
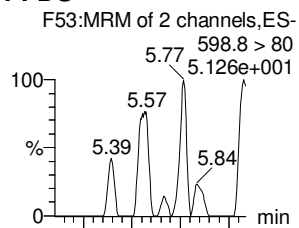
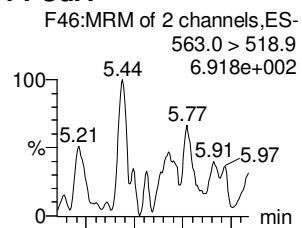
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

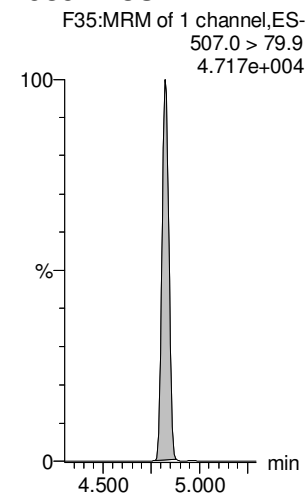
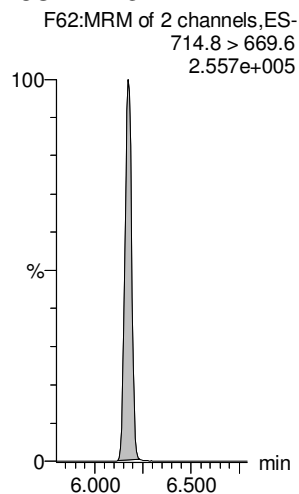
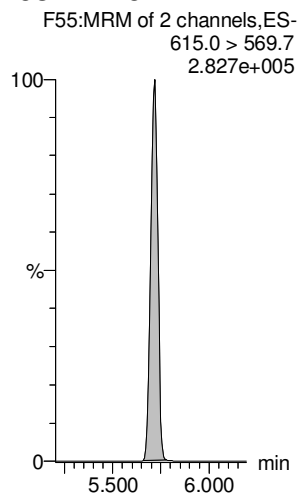
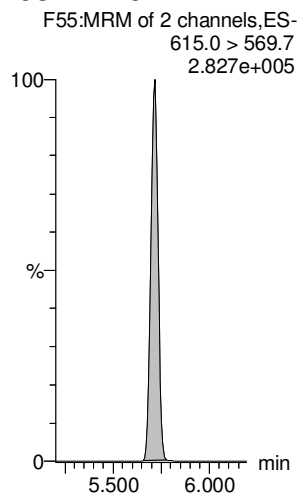
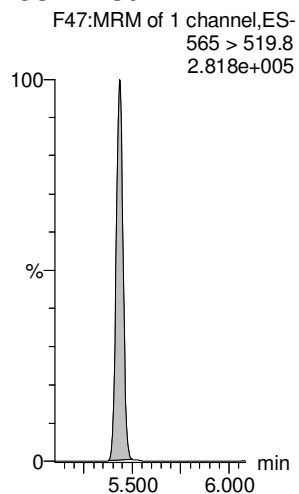
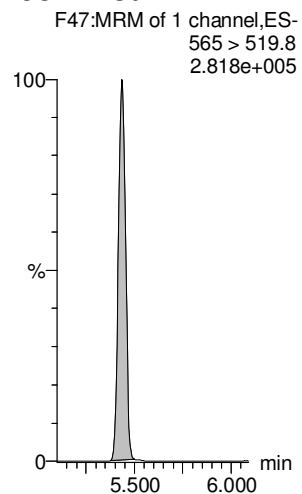
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-110.qld

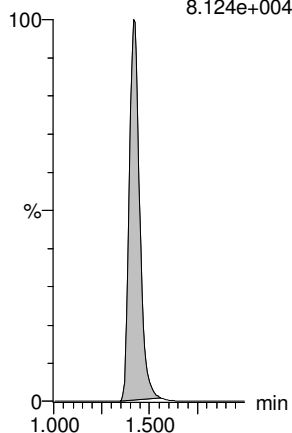
Last Altered: Wednesday, May 30, 2018 11:16:30 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:17:00 Pacific Daylight Time

Name: 180528M1_110, Date: 29-May-2018, Time: 10:53:38, ID: 1801010-10 MW0010308180518GSC 0.125, Description: MW0010308180518GSC

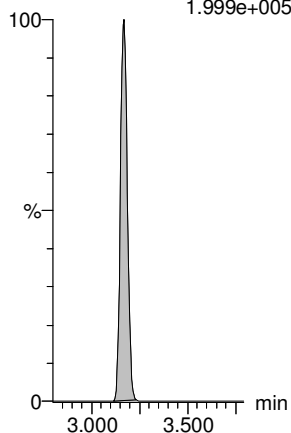
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
8.124e+004



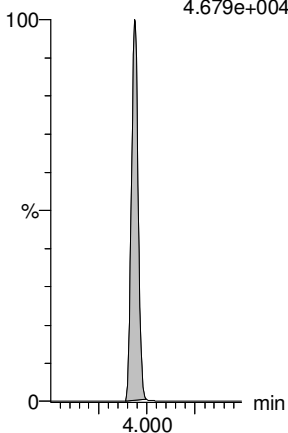
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.999e+005



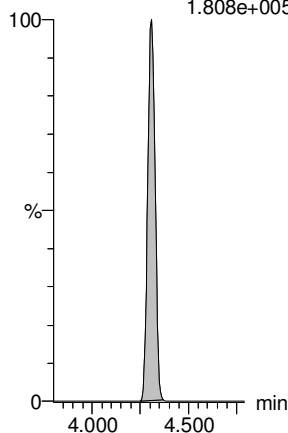
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
4.679e+004



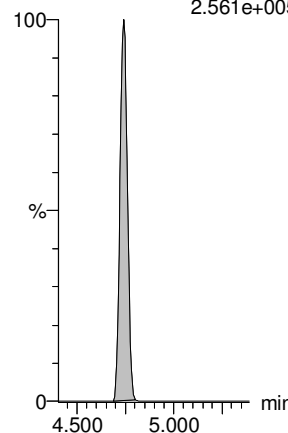
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.808e+005



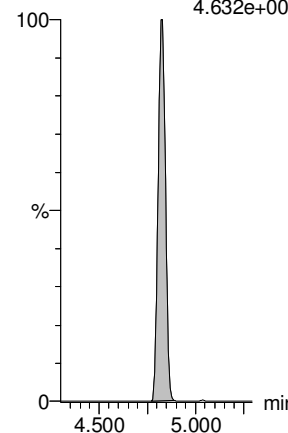
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.561e+005



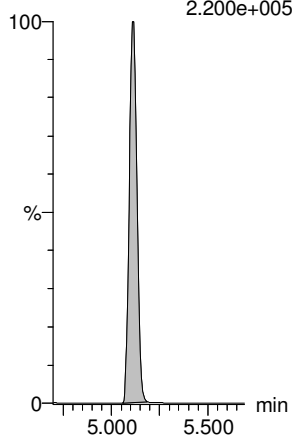
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
4.632e+004



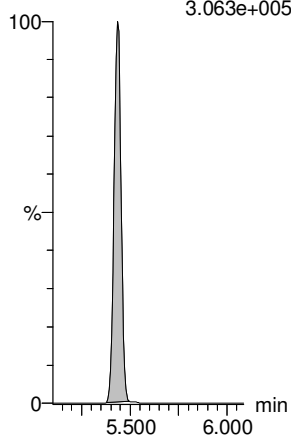
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.200e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.063e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-111.qld

Last Altered: Wednesday, May 30, 2018 11:29:51 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:33:08 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_111, Date: 29-May-2018, Time: 11:04:03, ID: 1801010-11 MW0030207180518GSC 0.125, Description: MW0030207180518GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	5.69e2	4.64e3	0.2473		1.41	1.41	1.53	5.411			
2	2 PFPeA	263.1 > 218.9	1.26e3	7.19e3	0.2473		2.39	2.38	2.19	8.771			
3	3 PFBS	299.0 > 79.7	9.77e1	9.76e2	0.2473		2.68	2.68	1.25	2.400		2.620	NO
4	4 4:2 FTS	327.2>307.2		1.97e3	0.2473		3.08						
5	5 PFHxA	313.2 > 268.9	1.66e3	2.59e3	0.2473		3.16	3.16	3.22	9.824		1313.891	YES
6	6 PFPeS	349.1>80.1		9.76e2	0.2473		3.37						
7	7 PFHpA	363.0 > 318.9	4.36e2	7.11e3	0.2473		3.79	3.79	0.767	2.500		54.420	YES
8	8 L-PFHxS	398.9 > 79.6	9.99e1	7.80e2	0.2473		3.93	3.94	1.60	3.475		1.963	NO
9	9 Br-PFHxS	398.9 > 79.6	1.60e1	7.80e2	0.2473		3.80	3.82	0.257	0.414		12.604	YES
10	10 6:2 FTS	427.1 > 407	1.87e1	2.28e3	0.2473		4.23	4.25	0.102	0.014		4.548	YES
11	11 L-PFOA	413 > 368.7	1.69e3	1.17e4	0.2473		4.40	4.31	1.81	8.186		6.990	YES
12	12 Br-PFOA	413 > 368.7	1.61e2	1.17e4	0.2473		4.29	4.18	0.172	0.193		2.650	NO
13	13 PFHpS	449 > 80.0		1.17e4	0.2473		4.40						
14	14 PFNA	463.0 > 418.8	1.94e2	1.03e4	0.2473		4.73	4.74	0.236	0.675		4.529	NO
15	15 PFOSA	498.2 > 77.9		1.54e3	0.2473		4.79						
16	16 L-PFOS	499.1 > 79.9	2.96e1	2.20e3	0.2473		4.81	4.83	0.168	0.628		1.135	YES
17	17 Br-PFOS	499.1 > 79.9	1.09e2	2.20e3	0.2473		4.67	4.67	0.622	2.781		3.634	NO
18	18 PFDA	513 > 468.8		1.32e4	0.2473		5.10						
19	19 8:2 FTS	527 > 506.9		2.16e3	0.2473		5.07						
20	20 PFNS	549.1>80.1		2.20e3	0.2473		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.61e3	0.2473		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.61e3	0.2473		5.16						
23	23 L-EtFOSAA	584.2 > 419		3.06e3	0.2473		5.41						
24	24 Br-ETFOSAA	584.2 > 419		3.06e3	0.2473		5.32						
25	25 PFUdA	563.0 > 518.9		1.03e4	0.2473		5.42						
26	26 PFDS	598.8 > 80		1.03e4	0.2473		5.47						
27	27 PFDoA	612.9 > 569.0		1.30e4	0.2473		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.30e4	0.2473		5.95						
29	30 PFTeDA	712.9 > 668.8		1.11e4	0.2473		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.64e3	6.15e3	0.2473	0.847	1.39	1.41	9.43	44.998	89.0		
31	37 13C3-PFPeA	266. > 221.8	7.19e3	1.03e4	0.2473	0.852	2.37	2.39	8.74	41.507	82.1		
32	38 13C3-PFBS	302. > 98.8	9.76e2	1.03e4	0.2473	0.102	2.66	2.68	1.19	47.303	93.6		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-111.qld

Last Altered: Wednesday, May 30, 2018 11:29:51 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:33:08 Pacific Daylight Time

Name: 180528M1_111, Date: 29-May-2018, Time: 11:04:03, ID: 1801010-11 MW0030207180518GSC 0.125, Description: MW0030207180518GSC

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.97e3	1.03e4	0.2473	0.233	3.06	3.08	2.40	41.515	82.1	
34	40	13C2-PFHxA	315 > 269.8	2.59e3	1.03e4	0.2473	0.720	3.15	3.17	3.15	17.659	87.3	
35	41	13C4-PFHpA	367.2 > 321.8	7.11e3	1.03e4	0.2473	0.795	3.76	3.79	8.64	43.980	87.0	
36	42	18O2-PFHxS	403.0 > 102.6	7.80e2	2.35e3	0.2473	0.421	3.92	3.93	4.14	39.834	78.8	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.28e3	1.01e4	0.2473	0.280	4.23	4.25	2.81	40.566	80.2	
38	44	13C2-PFOA	414.9 > 369.7	1.17e4	1.01e4	0.2473	1.477	4.29	4.30	14.4	39.453	78.0	
39	45	13C5-PFNA	468.2 > 422.9	1.03e4	1.31e4	0.2473	0.955	4.73	4.74	9.80	41.500	82.1	
40	46	13C8-PFOSA	506.1 > 77.7	1.54e3	1.61e4	0.2473	0.151	4.79	4.81	1.20	32.050	63.4	
41	47	13C8-PFOS	507.0 > 79.9	2.20e3	2.58e3	0.2473	1.023	4.81	4.82	10.7	42.248	83.6	
42	48	13C2-PFDA	515.1 > 469.9	1.32e4	1.36e4	0.2473	1.200	5.10	5.11	12.1	40.712	80.5	
43	49	13C2-8:2 FTS	529.1 > 508.7	2.16e3	1.03e4	0.2473	0.224	5.07	5.08	2.63	47.496	93.9	
44	50	d3-N-MeFOSAA	573.3 > 419	2.61e3	1.61e4	0.2473	0.231	5.25	5.26	2.03	35.452	70.1	
45	51	d5-N-EtFOSAA	589.3 > 419	3.06e3	1.61e4	0.2473	0.259	5.41	5.42	2.38	37.170	73.5	
46	52	13C2-PFUdA	565 > 519.8	1.03e4	1.61e4	0.2473	0.996	5.42	5.43	8.03	32.608	64.5	
47	53	13C2-PFDoA	615.0 > 569.7	1.30e4	1.36e4	0.2473	1.247	5.70	5.72	12.0	38.817	76.8	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.61e4	0.2473	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	1.11e4	1.61e4	0.2473	0.792	6.17	6.17	8.64	44.142	87.3	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.61e4	0.2473	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	7.08e3	1.61e4	0.2473	1.211	6.50	6.50	5.50	18.382	90.9	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.61e4	0.2473	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.61e4	0.2473	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	6.15e3	6.15e3	0.2473	1.000	1.39	1.41	12.5	50.556	100.0	
55	61	13C5-PFHxA	318 > 272.9	1.03e4	1.03e4	0.2473	1.000	3.14	3.17	12.5	50.556	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.35e3	2.35e3	0.2473	1.000	3.92	3.93	12.5	50.556	100.0	
57	63	13C8-PFOA	421.3 > 376	1.01e4	1.01e4	0.2473	1.000	4.29	4.30	12.5	50.556	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.31e4	1.31e4	0.2473	1.000	4.72	4.74	12.5	50.556	100.0	
59	65	13C4-PFOS	503 > 79.9	2.58e3	2.58e3	0.2473	1.000	4.81	4.82	12.5	50.556	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.36e4	1.36e4	0.2473	1.000	5.10	5.11	12.5	50.556	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.61e4	1.61e4	0.2473	1.000	5.42	5.43	12.5	50.556	100.0	
62	68	Total PFHxS	398.9 > 79.6	1.16e2	7.80e2	0.2473		4.05		1.86	3.889		
63	69	Total PFOA	413 > 368.7	1.85e3	1.17e4	0.2473		4.30		1.98	8.379		
64	70	Total PFOS	499.1 > 79.9	1.39e2	2.20e3	0.2473		4.90		0.790	3.409		
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.61e3	0.2473		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.06e3	0.2473		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-111.qld

Last Altered: Wednesday, May 30, 2018 11:29:51 Pacific Daylight Time

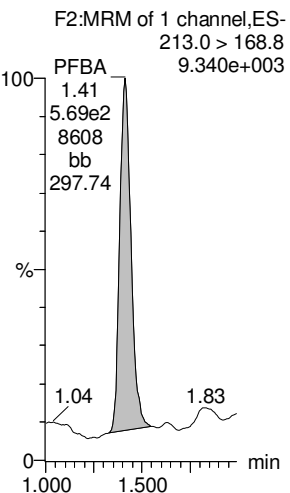
Printed: Wednesday, May 30, 2018 11:33:08 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

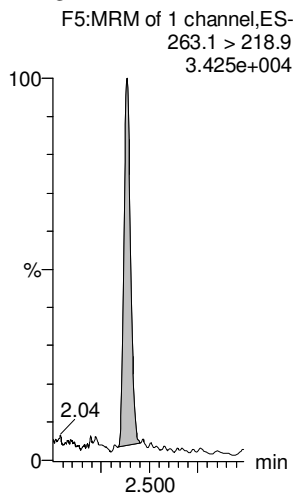
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_111, Date: 29-May-2018, Time: 11:04:03, ID: 1801010-11 MW0030207180518GSC 0.125, Description: MW0030207180518GSC

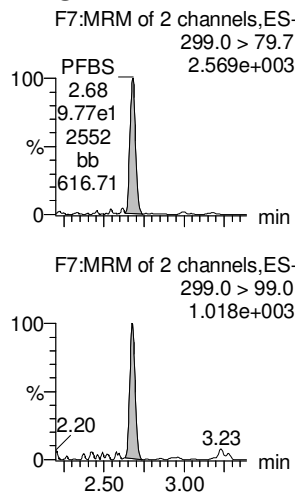
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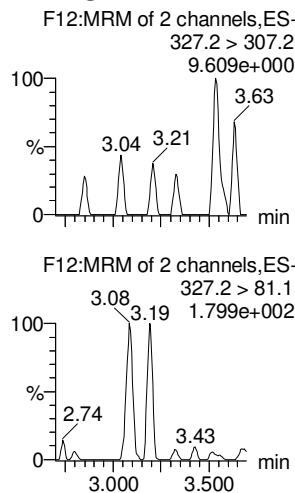
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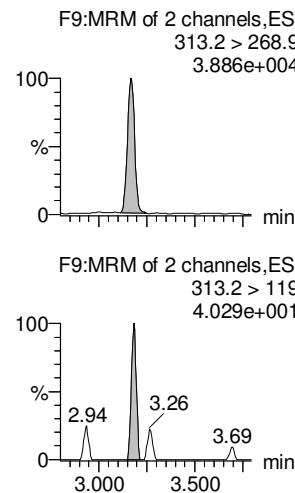
PFBS



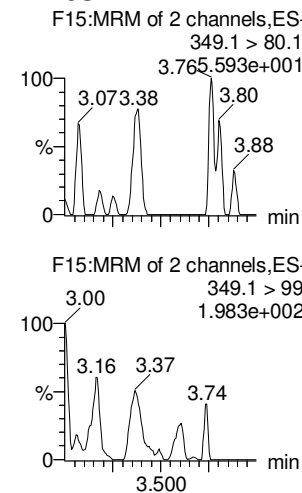
4:2 FTS



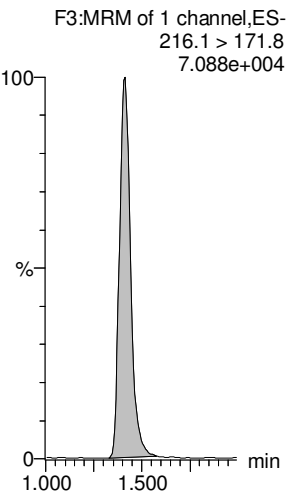
PFHxA



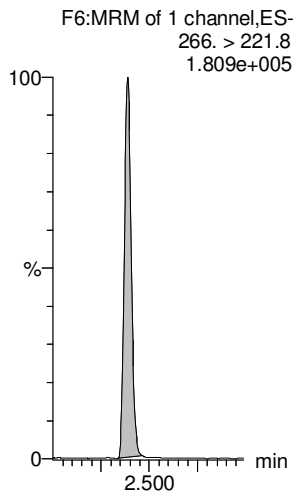
PFPeS



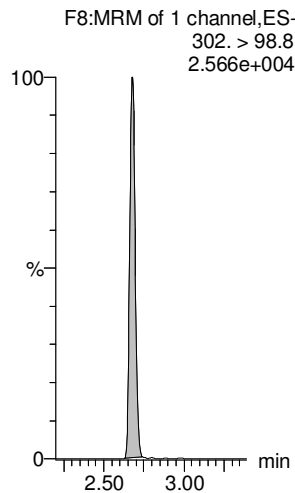
13C3-PFBA



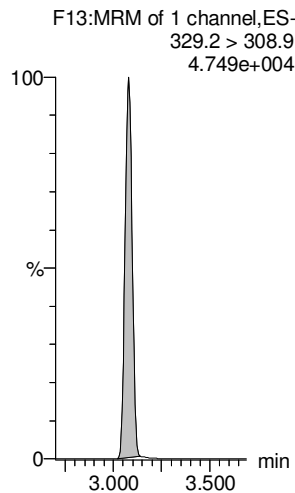
13C3-PFPeA



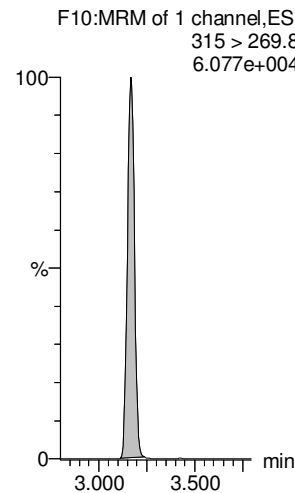
13C3-PFBS



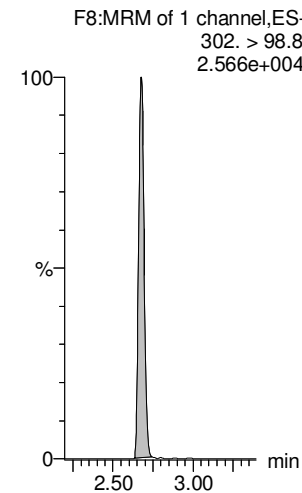
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-111.qld

Last Altered: Wednesday, May 30, 2018 11:29:51 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:33:08 Pacific Daylight Time

Name: 180528M1_111, Date: 29-May-2018, Time: 11:04:03, ID: 1801010-11 MW0030207180518GSC 0.125, Description: MW0030207180518GSC

L-PFHxS

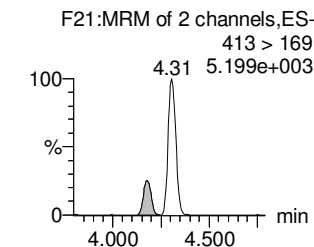
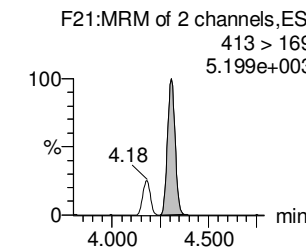
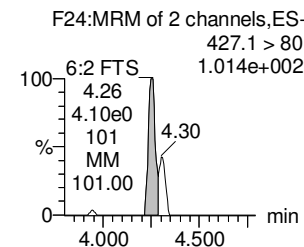
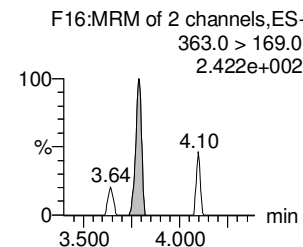
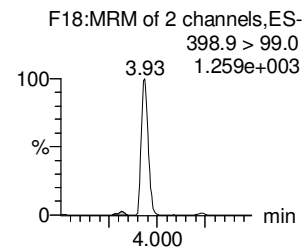
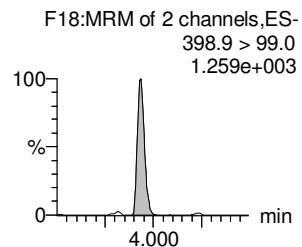
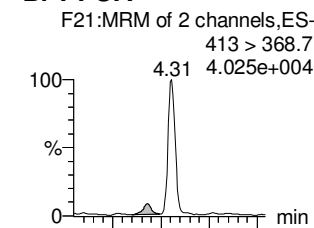
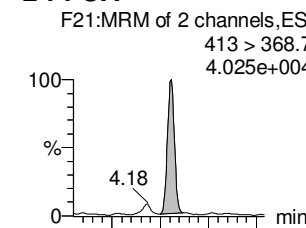
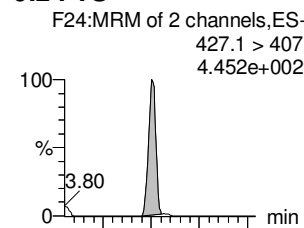
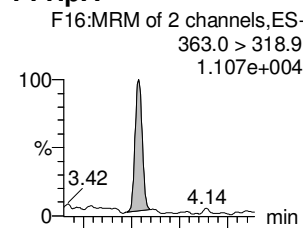
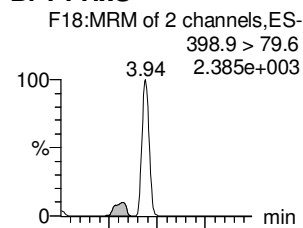
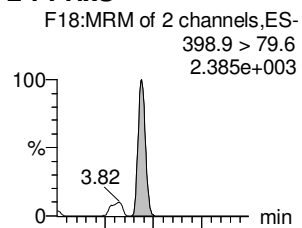
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

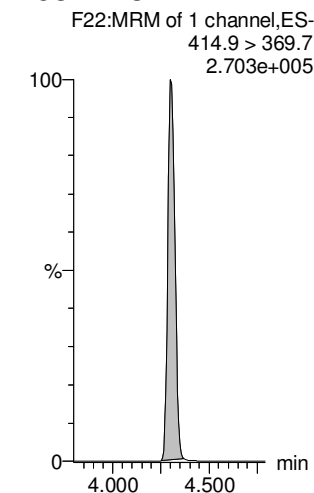
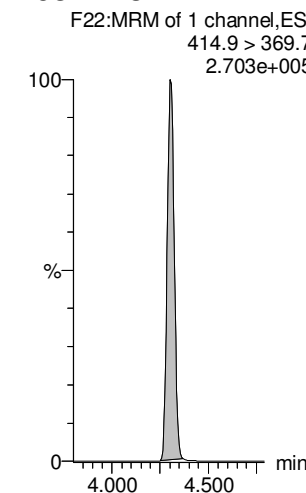
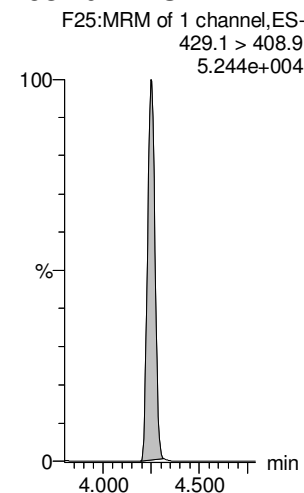
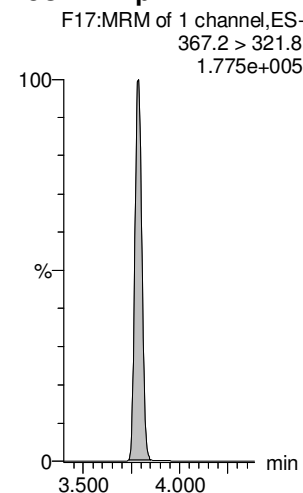
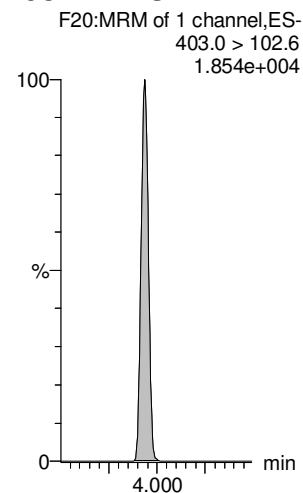
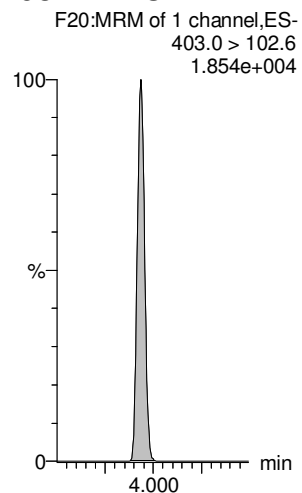
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



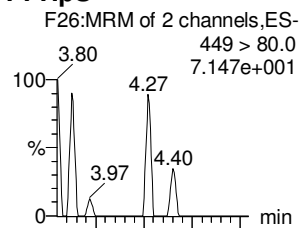
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-111.qld

Last Altered: Wednesday, May 30, 2018 11:29:51 Pacific Daylight Time

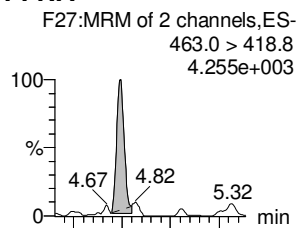
Printed: Wednesday, May 30, 2018 11:33:08 Pacific Daylight Time

Name: 180528M1_111, Date: 29-May-2018, Time: 11:04:03, ID: 1801010-11 MW0030207180518GSC 0.125, Description: MW0030207180518GSC

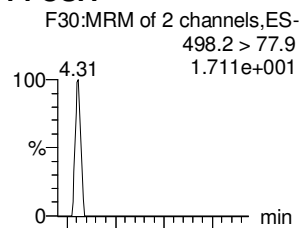
PFHpS



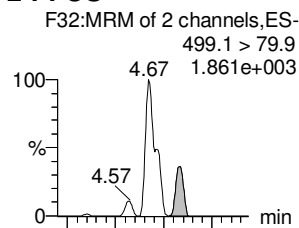
PFNA



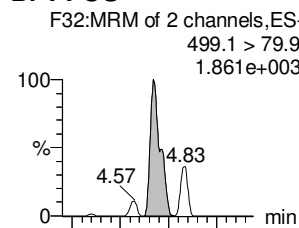
PFOSA



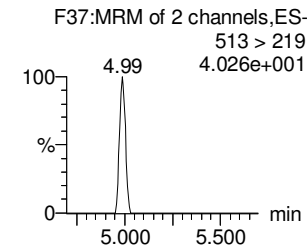
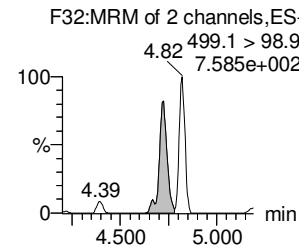
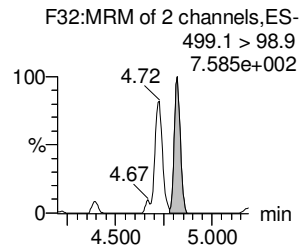
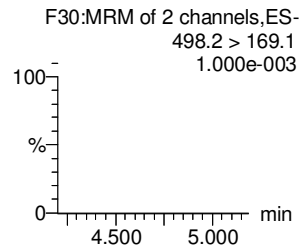
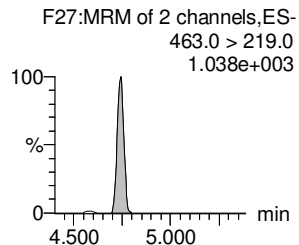
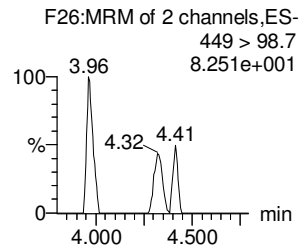
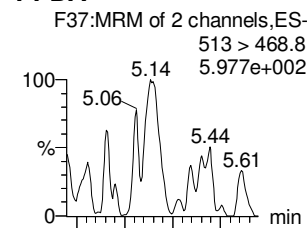
L-PFOS



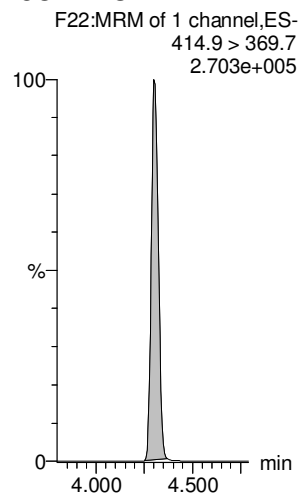
Br-PFOS



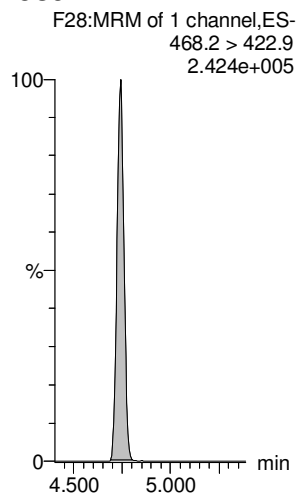
PFDA



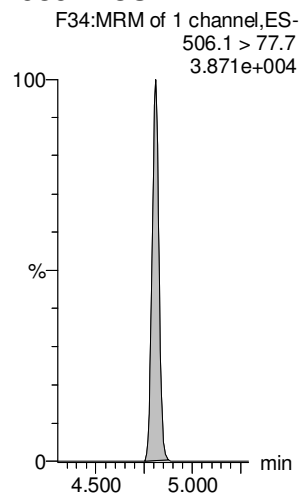
13C2-PFOA



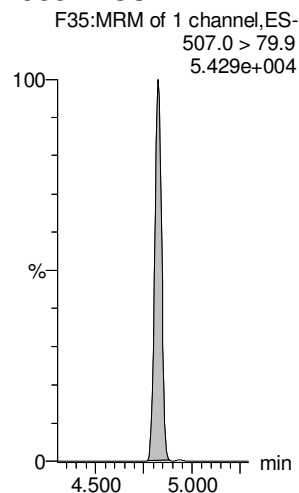
13C5-PFNA



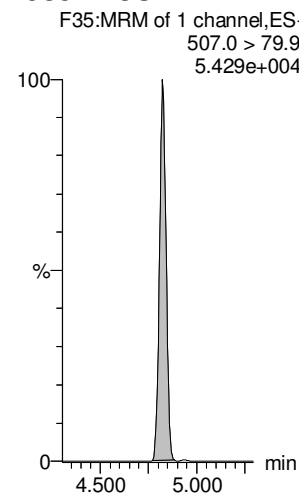
13C8-PFOA



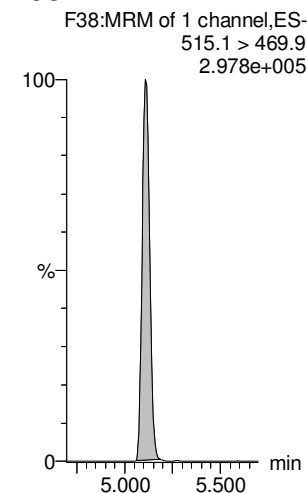
13C8-PFOS



13C8-PFOS



13C2-PFDA



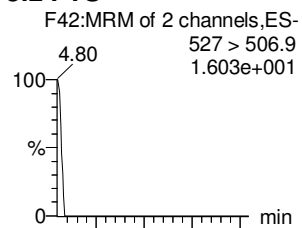
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-111.qld

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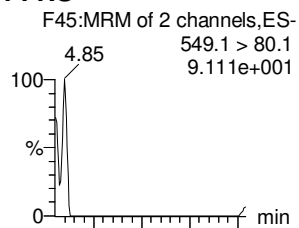
Printed: Wednesday, May 30, 2018 11:33:08 Pacific Daylight Time

Name: 180528M1_111, Date: 29-May-2018, Time: 11:04:03, ID: 1801010-11 MW0030207180518GSC 0.125, Description: MW0030207180518GSC

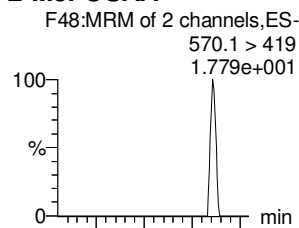
8:2 FTS



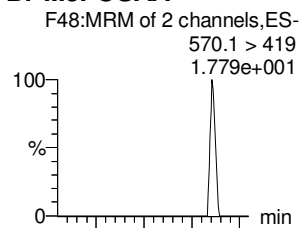
PFNS



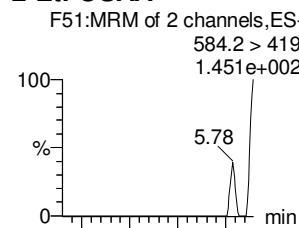
L-MeFOSAA



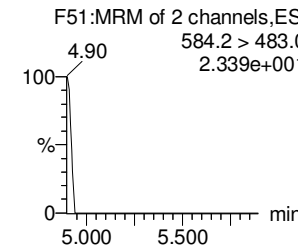
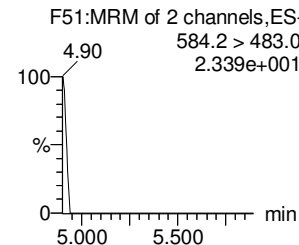
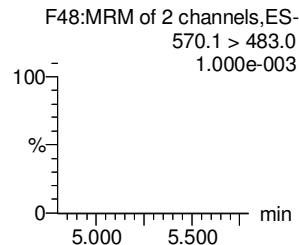
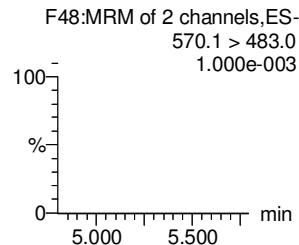
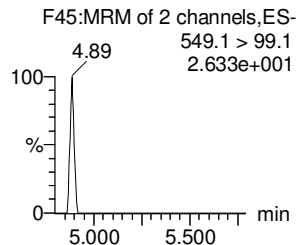
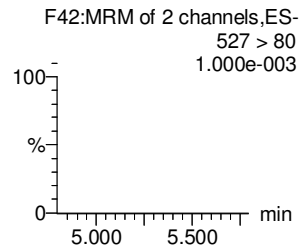
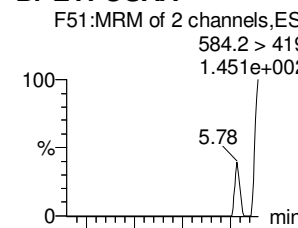
Br-MeFOSAA



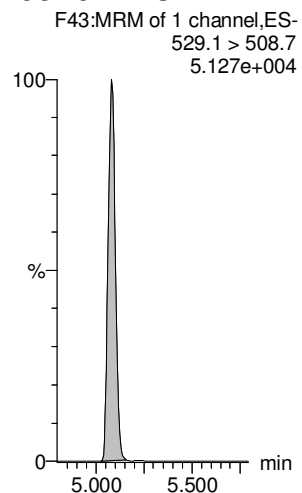
L-EtFOSAA



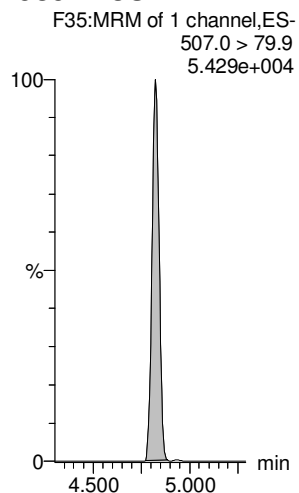
Br-ETFOSAA



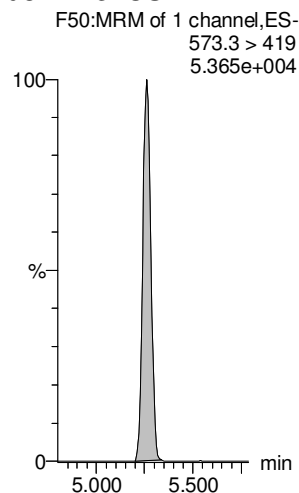
13C2-8:2 FTS



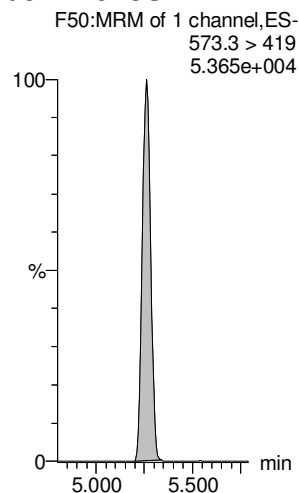
13C8-PFOS



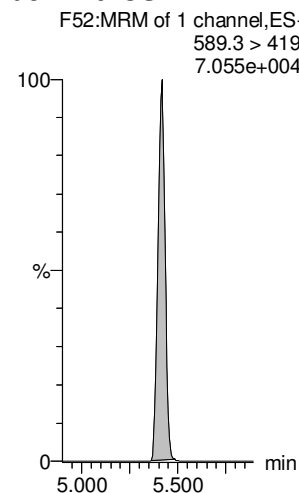
d3-N-MeFOSAA



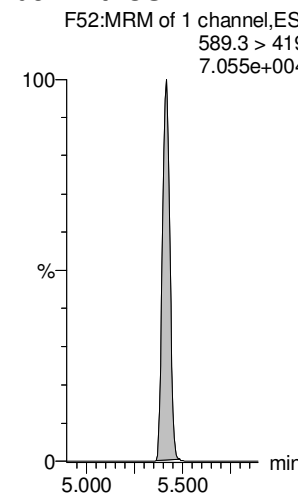
d3-N-MeFOSAA



d5-N-EtFOSAA



d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-111.qld

Last Altered: Wednesday, May 30, 2018 11:29:51 Pacific Daylight Time

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Name: 180528M1_111, Date: 29-May-2018, Time: 11:04:03, ID: 1801010-11 MW0030207180518GSC 0.125, Description: MW0030207180518GSC

PFUdA

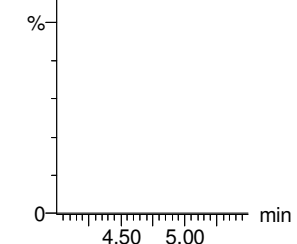
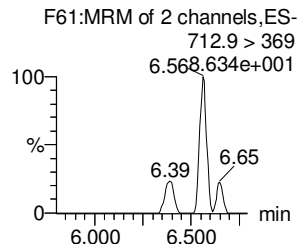
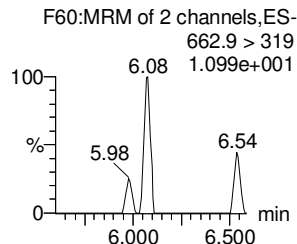
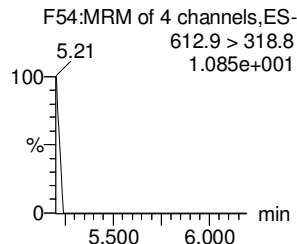
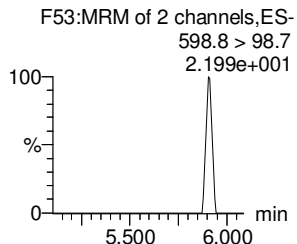
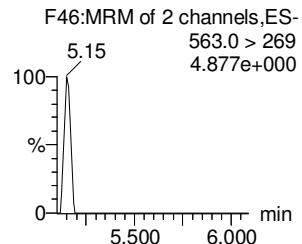
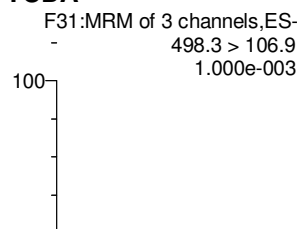
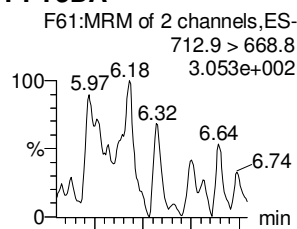
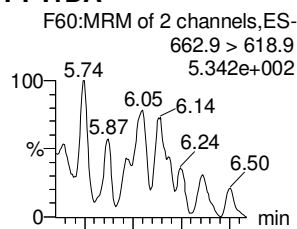
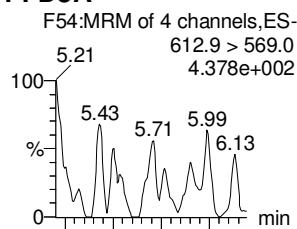
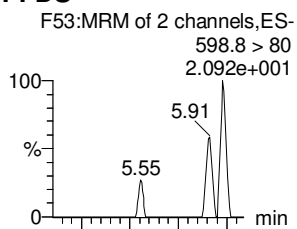
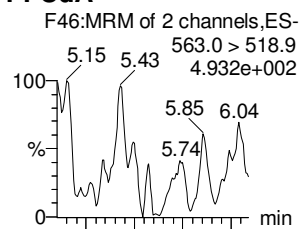
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

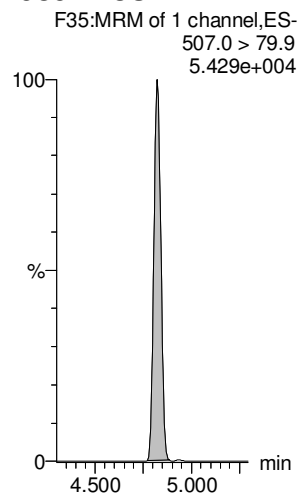
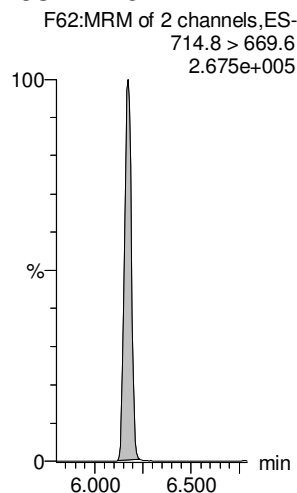
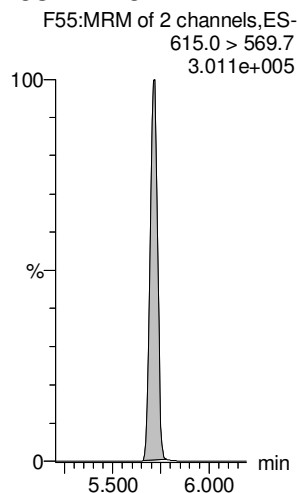
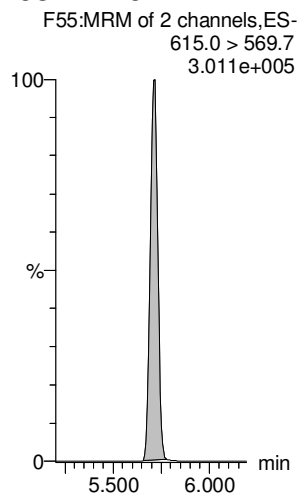
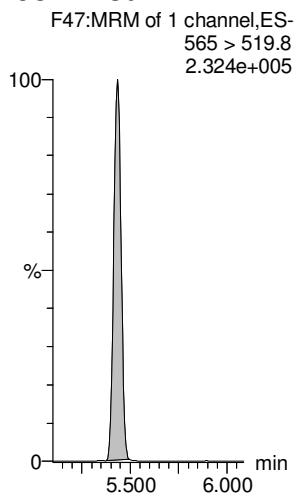
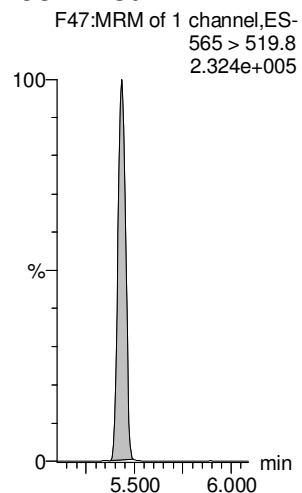
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-111.qld

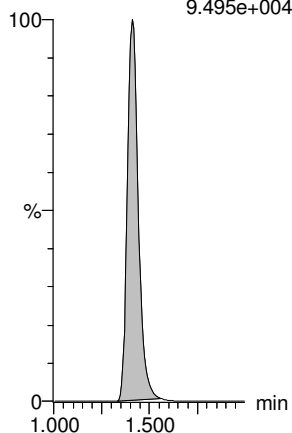
Last Altered: Wednesday, May 30, 2018 11:29:51 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:33:08 Pacific Daylight Time

Name: 180528M1_111, Date: 29-May-2018, Time: 11:04:03, ID: 1801010-11 MW0030207180518GSC 0.125, Description: MW0030207180518GSC

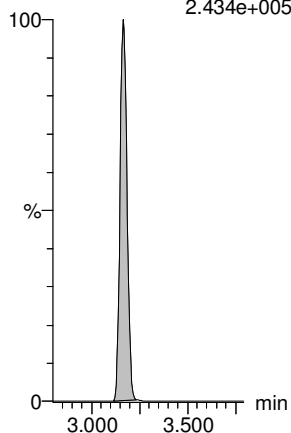
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
9.495e+004



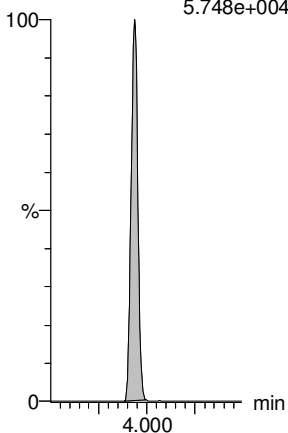
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
2.434e+005



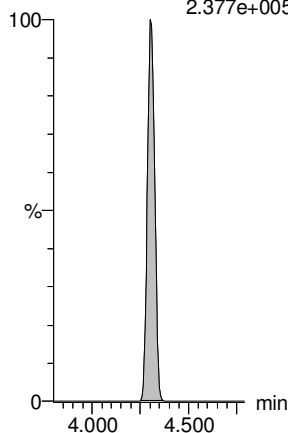
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
5.748e+004



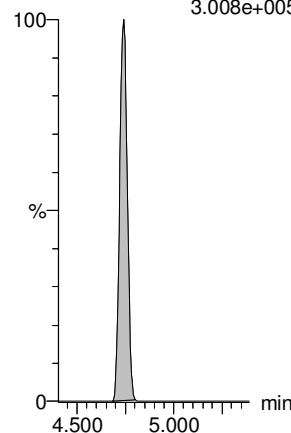
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
2.377e+005



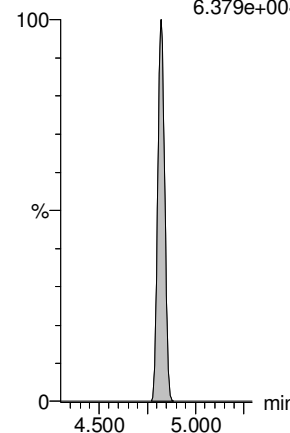
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
3.008e+005



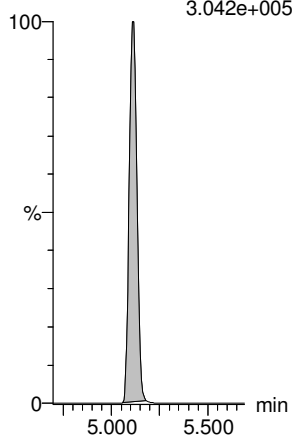
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
6.379e+004



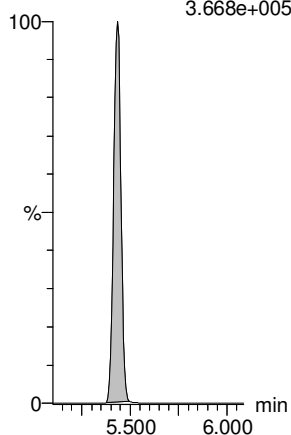
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
3.042e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.668e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-112.qld

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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_112, Date: 29-May-2018, Time: 11:14:34, ID: 1801010-12 MW0034647180518RAP 0.125, Description: MW0034647180518RAP

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	1.02e2	4.44e3	0.2504		1.41	1.41	0.286	0.930			
2	2 PFPeA	263.1 > 218.9		6.82e3	0.2504		2.39						
3	3 PFBS	299.0 > 79.7		8.38e2	0.2504		2.68						
4	4 4:2 FTS	327.2>307.2		1.67e3	0.2504		3.07						
5	5 PFHxA	313.2 > 268.9		2.36e3	0.2504		3.17						
6	6 PFPeS	349.1>80.1		8.38e2	0.2504		3.37						
7	7 PFHpA	363.0 > 318.9		6.91e3	0.2504		3.78						
8	8 L-PFHxS	398.9 > 79.6		7.81e2	0.2504		3.93						
9	9 Br-PFHxS	398.9 > 79.6		7.81e2	0.2504		3.80						
10	10 6:2 FTS	427.1 > 407	3.48e1	2.13e3	0.2504		4.23	4.25	0.204	0.411		6.280	YES
11	11 L-PFOA	413 > 368.7	1.21e2	1.13e4	0.2504		4.40	4.31	0.133			17.996	YES
12	12 Br-PFOA	413 > 368.7		1.13e4	0.2504		4.29						
13	13 PFHpS	449 > 80.0		1.13e4	0.2504		4.40						
14	14 PFNA	463.0 > 418.8		9.82e3	0.2504		4.73						
15	15 PFOSA	498.2 > 77.9		1.48e3	0.2504		4.79						
16	16 L-PFOS	499.1 > 79.9		2.06e3	0.2504		4.81						
17	17 Br-PFOS	499.1 > 79.9		2.06e3	0.2504		4.67						
18	18 PFDA	513 > 468.8		1.26e4	0.2504		5.10						
19	19 8:2 FTS	527 > 506.9		1.88e3	0.2504		5.07						
20	20 PFNS	549.1>80.1		2.06e3	0.2504		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.59e3	0.2504		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.59e3	0.2504		5.16						
23	23 L-EtFOSAA	584.2 > 419		2.90e3	0.2504		5.41						
24	24 Br-ETFOSAA	584.2 > 419		2.90e3	0.2504		5.32						
25	25 PFUdA	563.0 > 518.9		1.32e4	0.2504		5.42						
26	26 PFDS	598.8 > 80		1.32e4	0.2504		5.47						
27	27 PFDoA	612.9 > 569.0		1.16e4	0.2504		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.16e4	0.2504		5.95						
29	30 PFTeDA	712.9 > 668.8		9.90e3	0.2504		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.44e3	5.91e3	0.2504	0.847	1.39	1.41	9.39	44.266	88.7		
31	37 13C3-PFPeA	266. > 221.8	6.82e3	9.38e3	0.2504	0.852	2.37	2.39	9.08	42.572	85.3		
32	38 13C3-PFBS	302. > 98.8	8.38e2	9.38e3	0.2504	0.102	2.66	2.68	1.12	43.894	87.9		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-112.qld

Last Altered: Wednesday, May 30, 2018 11:34:23 Pacific Daylight Time

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Name: 180528M1_112, Date: 29-May-2018, Time: 11:14:34, ID: 1801010-12 MW0034647180518RAP 0.125, Description: MW0034647180518RAP

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.67e3	9.38e3	0.2504	0.233	3.06	3.07	2.22	38.018	76.2	
34	40	13C2-PFHxA	315 > 269.8	2.36e3	9.38e3	0.2504	0.720	3.15	3.17	3.14	17.404	87.2	
35	41	13C4-PFHpA	367.2 > 321.8	6.91e3	9.38e3	0.2504	0.795	3.76	3.78	9.21	46.248	92.7	
36	42	18O2-PFHxS	403.0 > 102.6	7.81e2	2.16e3	0.2504	0.421	3.92	3.93	4.53	42.967	86.1	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.13e3	9.09e3	0.2504	0.280	4.23	4.25	2.92	41.624	83.4	
38	44	13C2-PFOA	414.9 > 369.7	1.13e4	9.09e3	0.2504	1.477	4.29	4.31	15.6	42.101	84.3	
39	45	13C5-PFNA	468.2 > 422.9	9.82e3	1.20e4	0.2504	0.955	4.73	4.74	10.3	42.860	85.9	
40	46	13C8-PFOSA	506.1 > 77.7	1.48e3	1.62e4	0.2504	0.151	4.79	4.81	1.15	30.270	60.6	
41	47	13C8-PFOS	507.0 > 79.9	2.06e3	2.26e3	0.2504	1.023	4.81	4.82	11.4	44.448	89.0	
42	48	13C2-PFDA	515.1 > 469.9	1.26e4	1.34e4	0.2504	1.200	5.10	5.12	11.8	39.125	78.4	
43	49	13C2-8:2 FTS	529.1 > 508.7	1.88e3	9.38e3	0.2504	0.224	5.07	5.08	2.51	44.732	89.6	
44	50	d3-N-MeFOSAA	573.3 > 419	2.59e3	1.62e4	0.2504	0.231	5.25	5.26	2.00	34.600	69.3	
45	51	d5-N-EtFOSAA	589.3 > 419	2.90e3	1.62e4	0.2504	0.259	5.41	5.42	2.24	34.638	69.4	
46	52	13C2-PFUdA	565 > 519.8	1.32e4	1.62e4	0.2504	0.996	5.42	5.43	10.2	40.991	82.1	
47	53	13C2-PFDoA	615.0 > 569.7	1.16e4	1.34e4	0.2504	1.247	5.70	5.72	10.8	34.596	69.3	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.62e4	0.2504	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	9.90e3	1.62e4	0.2504	0.792	6.17	6.17	7.66	38.615	77.4	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.62e4	0.2504	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	6.91e3	1.62e4	0.2504	1.211	6.50	6.50	5.34	17.625	88.3	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.62e4	0.2504	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.62e4	0.2504	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	5.91e3	5.91e3	0.2504	1.000	1.39	1.42	12.5	49.914	100.0	
55	61	13C5-PFHxA	318 > 272.9	9.38e3	9.38e3	0.2504	1.000	3.14	3.17	12.5	49.914	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.16e3	2.16e3	0.2504	1.000	3.92	3.93	12.5	49.914	100.0	
57	63	13C8-PFOA	421.3 > 376	9.09e3	9.09e3	0.2504	1.000	4.29	4.30	12.5	49.914	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.20e4	1.20e4	0.2504	1.000	4.72	4.74	12.5	49.914	100.0	
59	65	13C4-PFOS	503 > 79.9	2.26e3	2.26e3	0.2504	1.000	4.81	4.82	12.5	49.914	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.34e4	1.34e4	0.2504	1.000	5.10	5.11	12.5	49.914	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.62e4	1.62e4	0.2504	1.000	5.42	5.43	12.5	49.914	100.0	
62	68	Total PFHxS	398.9 > 79.6	0.00e0	7.81e2	0.2504		4.05		0.000			
63	69	Total PFOA	413 > 368.7	1.21e2	1.13e4	0.2504		4.30		0.000			
64	70	Total PFOS	499.1 > 79.9	0.00e0	2.06e3	0.2504		4.90		0.000			
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.59e3	0.2504		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	2.90e3	0.2504		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-112.qld

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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_112, Date: 29-May-2018, Time: 11:14:34, ID: 1801010-12 MW0034647180518RAP 0.125, Description: MW0034647180518RAP

PFBA

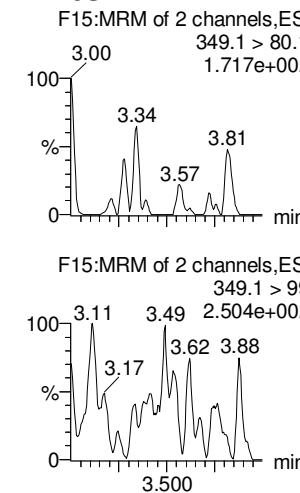
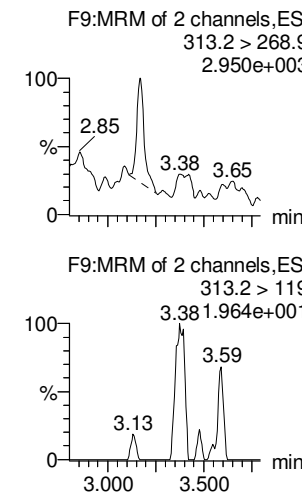
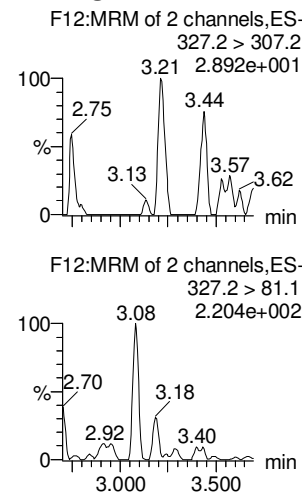
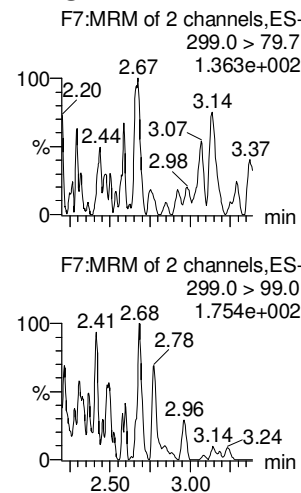
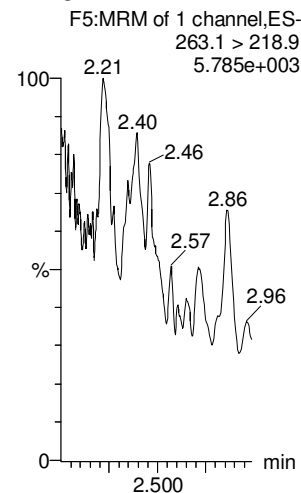
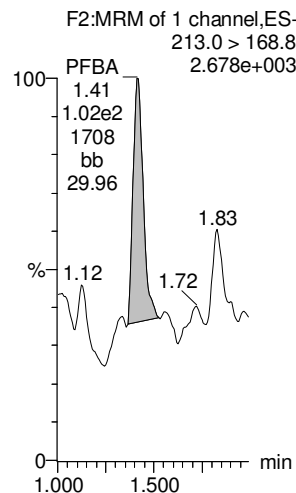
PFPeA

PFBS

4:2 FTS

PFHxA

PFPeS



13C3-PFBA

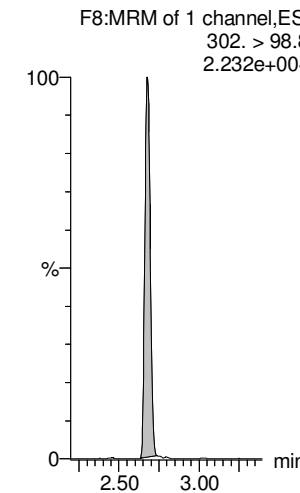
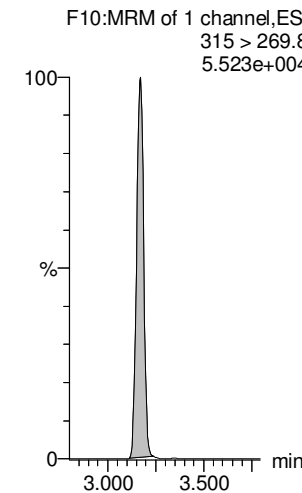
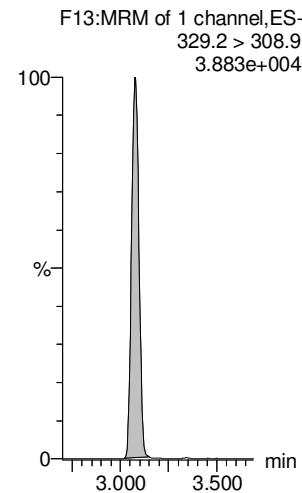
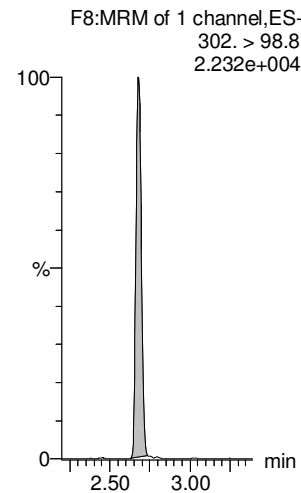
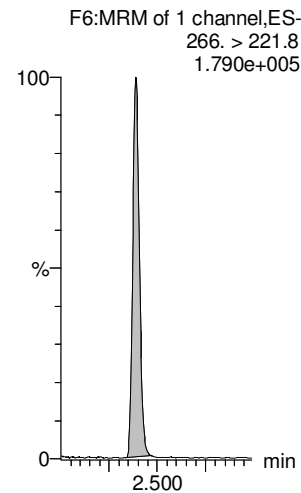
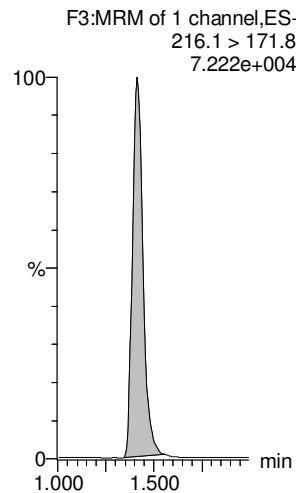
13C3-PFPeA

13C3-PFBS

13C2-4:2 FTS

13C2-PFHxA

13C3-PFBS



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Name: 180528M1_112, Date: 29-May-2018, Time: 11:14:34, ID: 1801010-12 MW0034647180518RAP 0.125, Description: MW0034647180518RAP

L-PFHxS

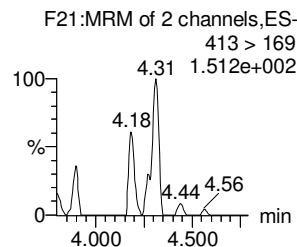
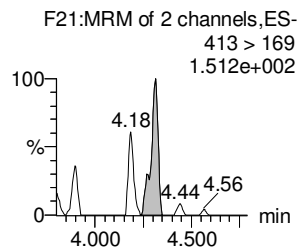
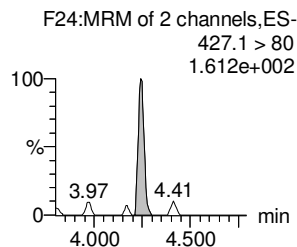
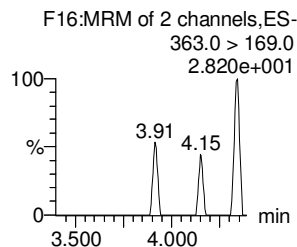
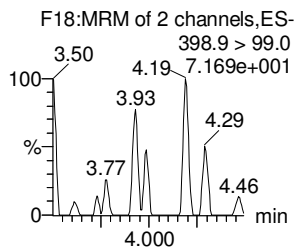
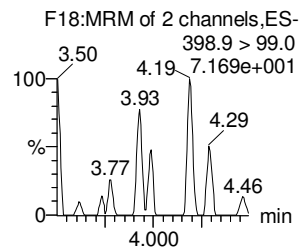
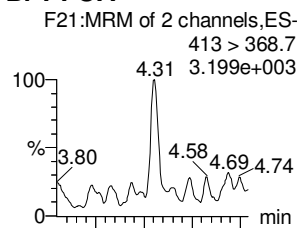
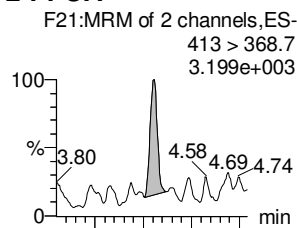
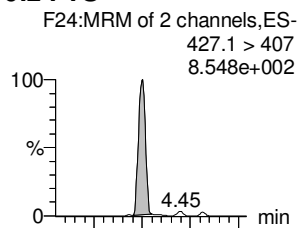
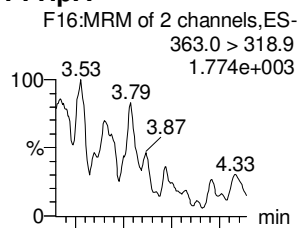
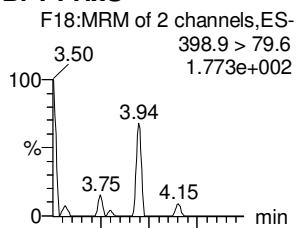
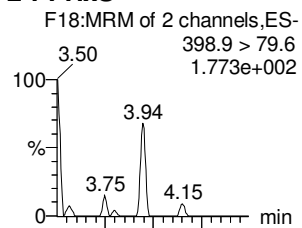
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

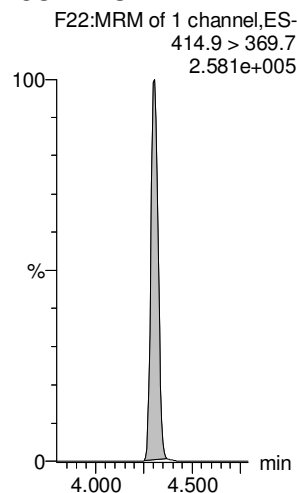
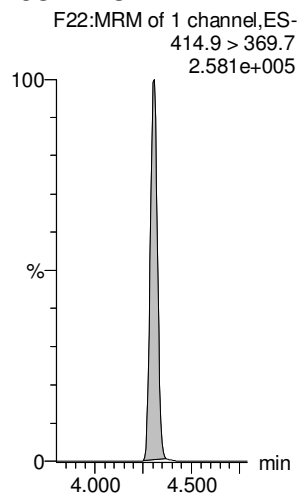
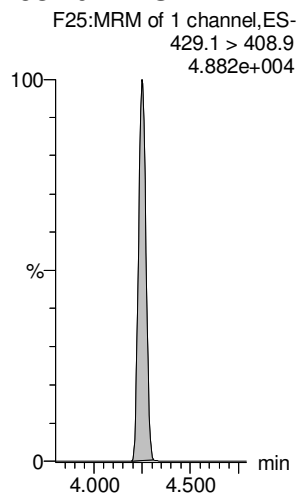
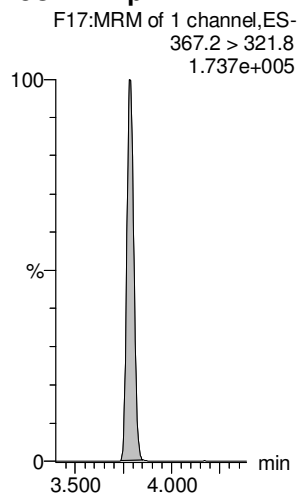
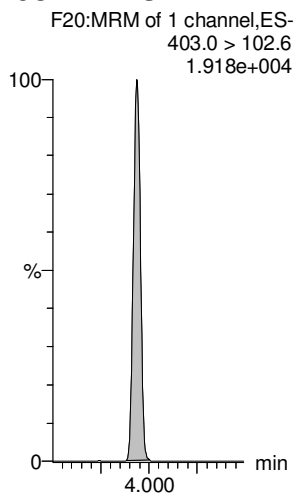
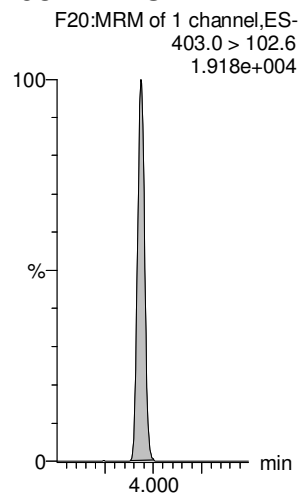
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



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PFHpS

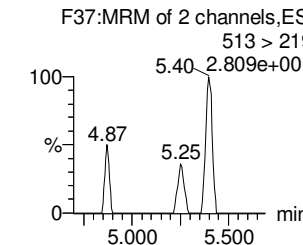
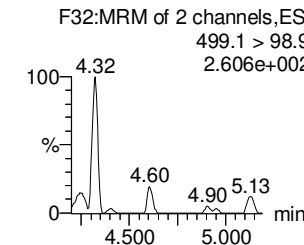
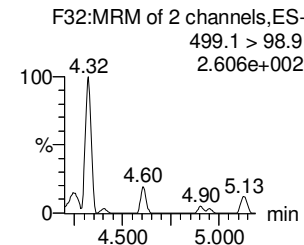
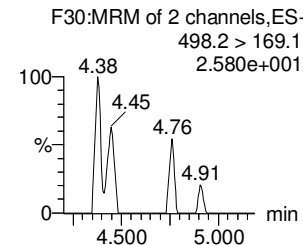
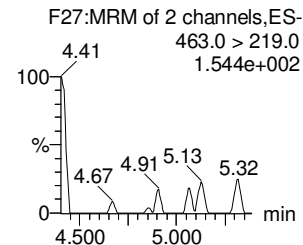
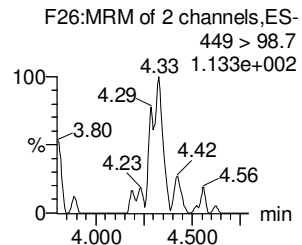
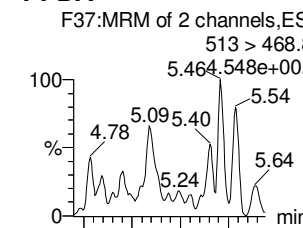
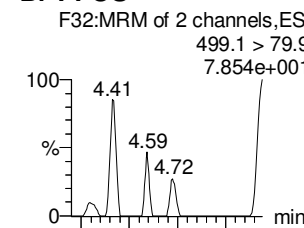
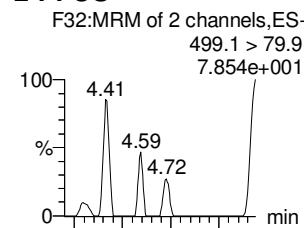
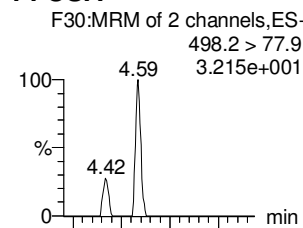
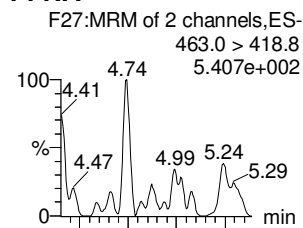
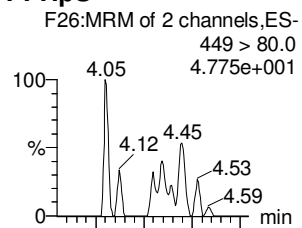
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

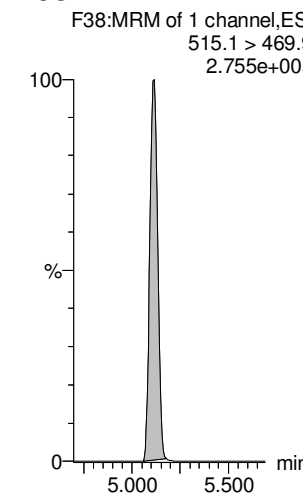
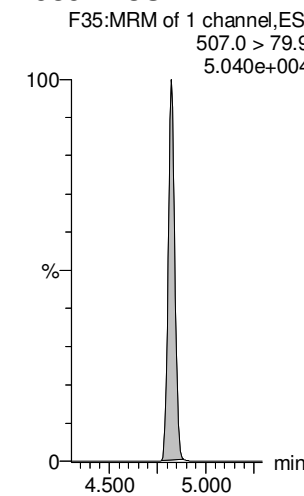
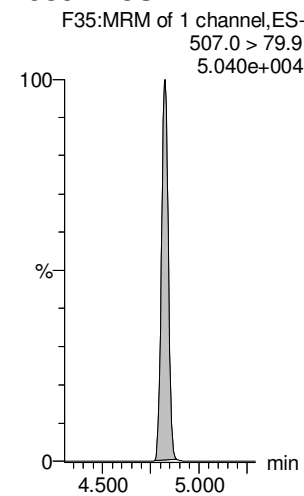
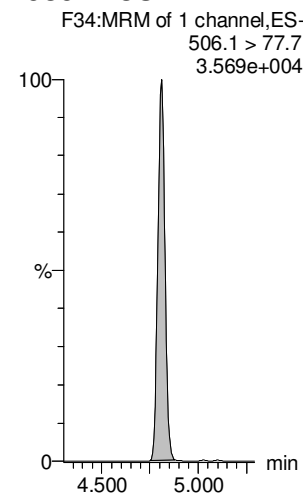
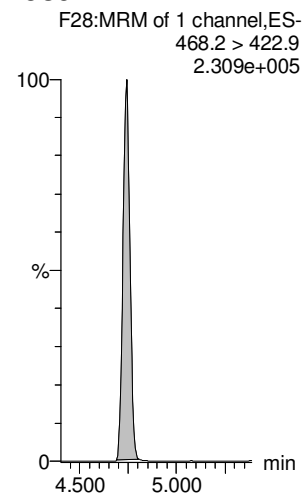
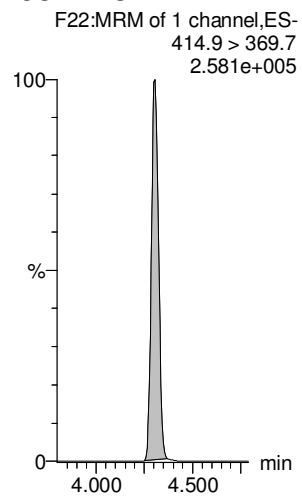
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13C8-PFOA

13C8-PFOS

13C8-PFOS

13C2-PFDA



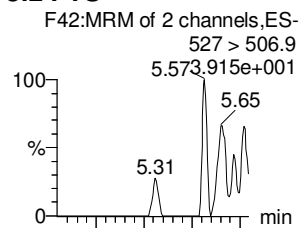
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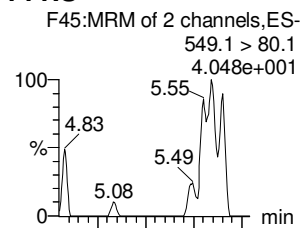
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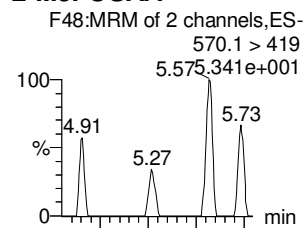
8:2 FTS



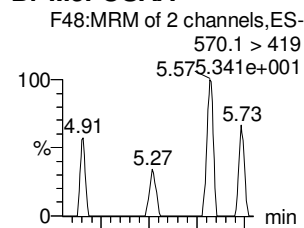
PFNS



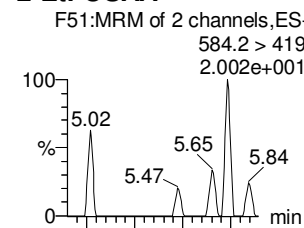
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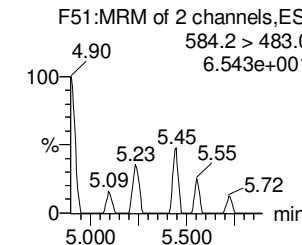
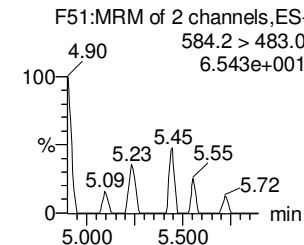
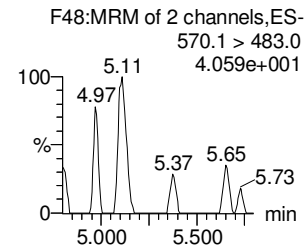
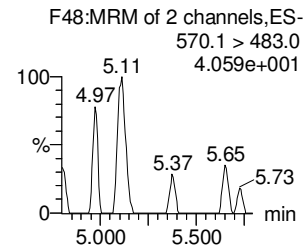
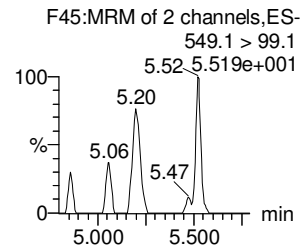
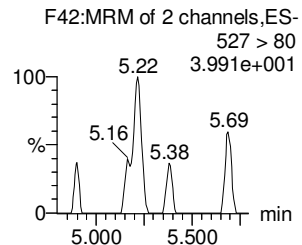
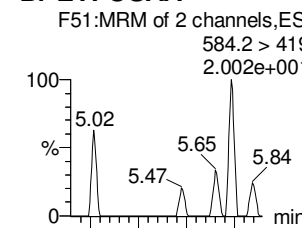
Br-MeFOSAA



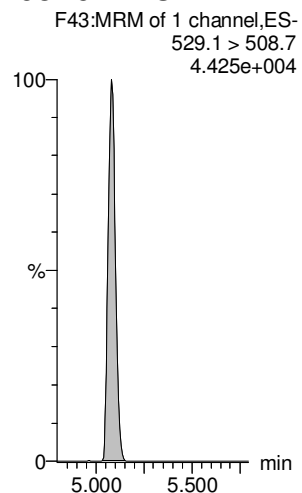
L-EtFOSAA



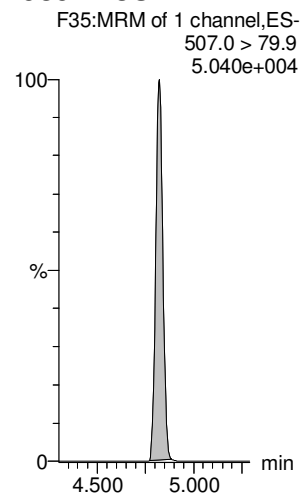
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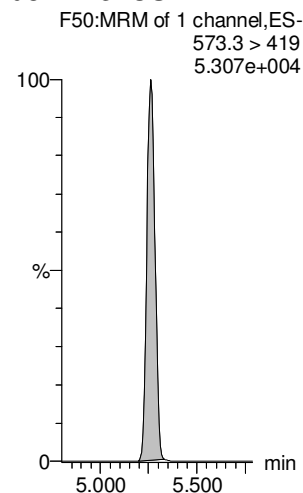
13C2-8:2 FTS



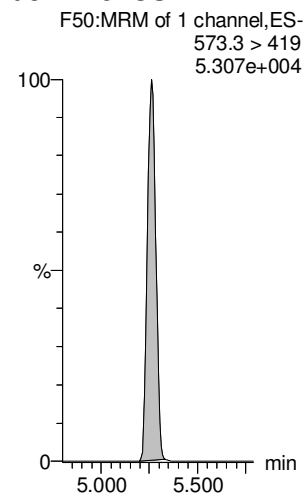
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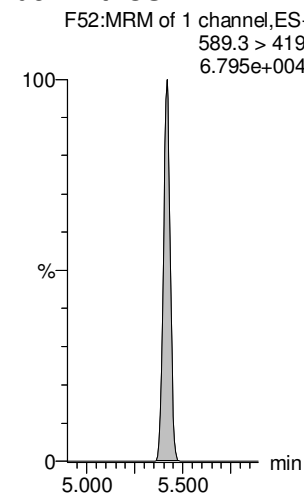
d3-N-MeFOSAA



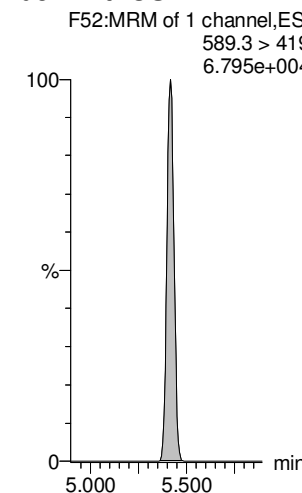
d3-N-MeFOSAA



d5-N-EtFOSAA



d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-112.qld

Last Altered: Wednesday, May 30, 2018 11:34:23 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:34:46 Pacific Daylight Time

Name: 180528M1_112, Date: 29-May-2018, Time: 11:14:34, ID: 1801010-12 MW0034647180518RAP 0.125, Description: MW0034647180518RAP

PFUdA

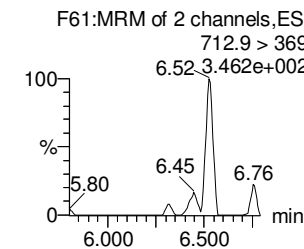
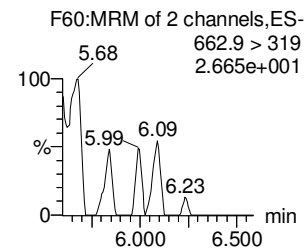
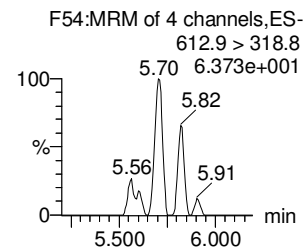
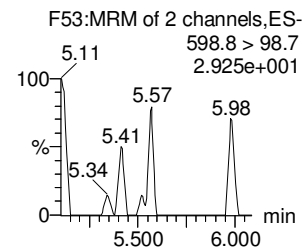
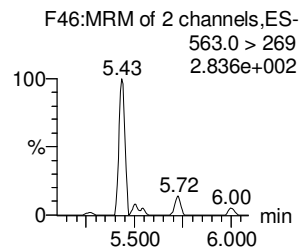
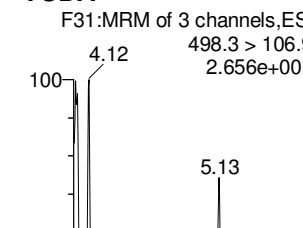
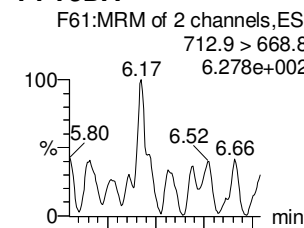
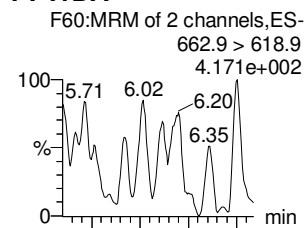
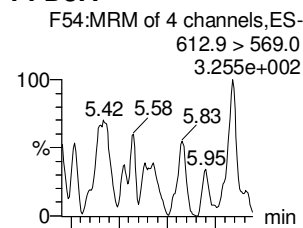
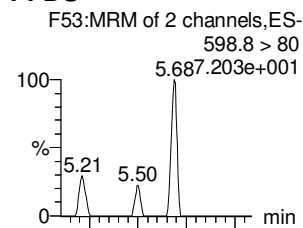
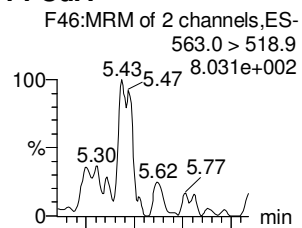
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

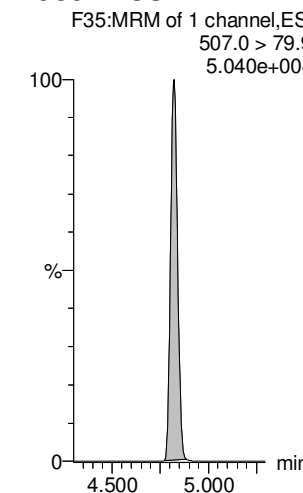
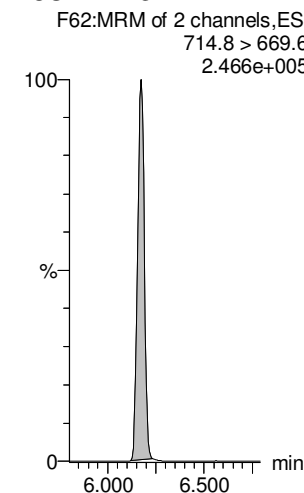
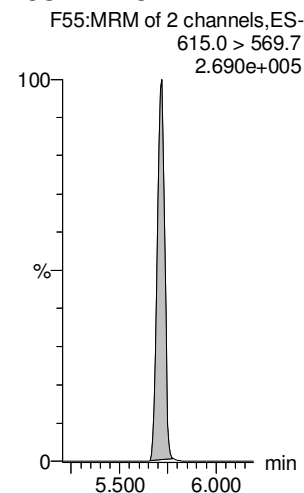
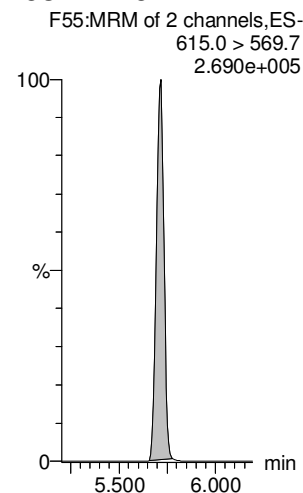
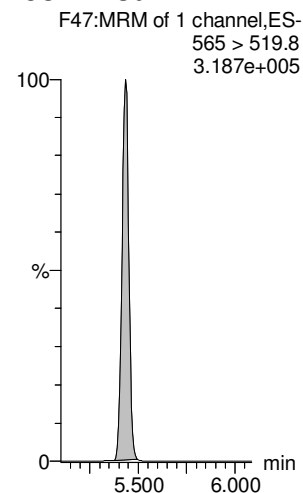
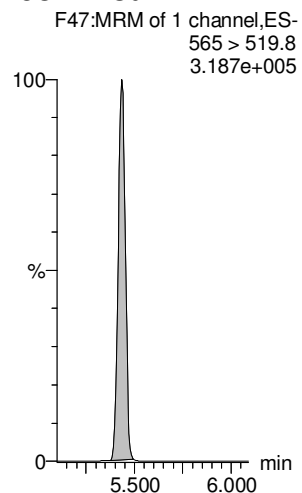
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-112.qld

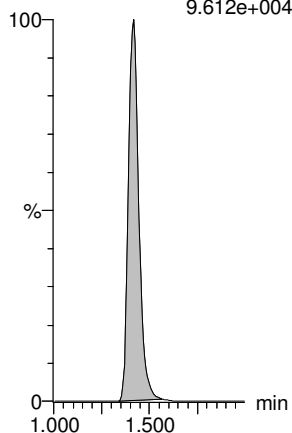
Last Altered: Wednesday, May 30, 2018 11:34:23 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:34:46 Pacific Daylight Time

Name: 180528M1_112, Date: 29-May-2018, Time: 11:14:34, ID: 1801010-12 MW0034647180518RAP 0.125, Description: MW0034647180518RAP

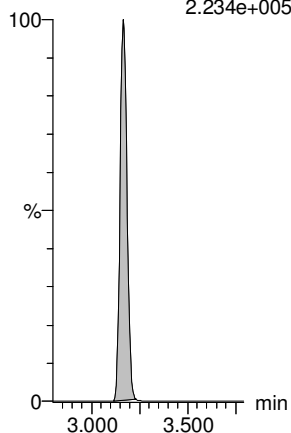
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
9.612e+004



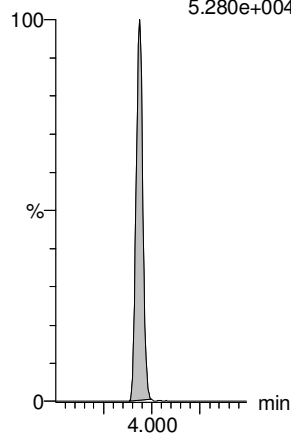
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
2.234e+005



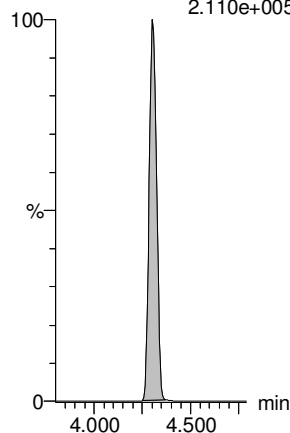
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
5.280e+004



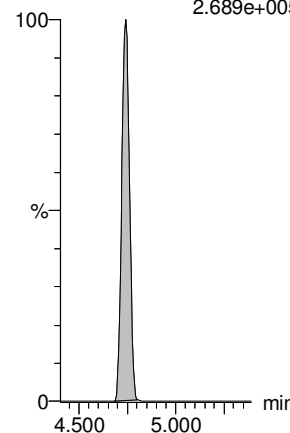
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
2.110e+005



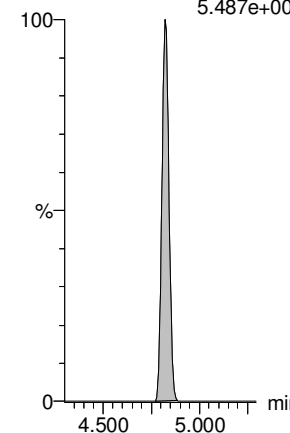
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.689e+005



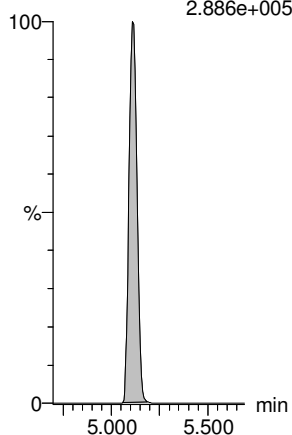
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.487e+004



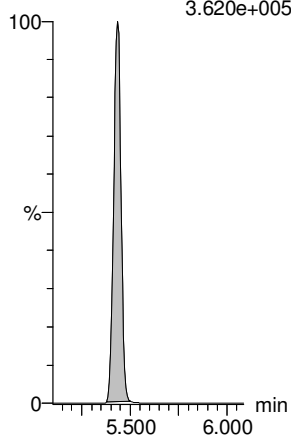
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.886e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.620e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-113.qld

Last Altered: Wednesday, May 30, 2018 11:38:11 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:38:52 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_113, Date: 29-May-2018, Time: 11:25:04, ID: 1801010-13 GSUMW0031116180518GSC 0.125, Description: GSUMW0031116180518GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	1.33e2	4.32e3	0.2516		1.41	1.42	0.386	1.275			
2	2 PFPeA	263.1 > 218.9	3.24e2	6.57e3	0.2516		2.39	2.39	0.617	2.672			
3	3 PFBS	299.0 > 79.7	5.39e1	9.76e2	0.2516		2.68	2.68	0.690	1.095		2.707	NO
4	4 4:2 FTS	327.2>307.2		1.89e3	0.2516		3.08						
5	5 PFHxA	313.2 > 268.9	6.19e2	2.25e3	0.2516		3.17	3.16	1.38	3.933		208.668	NO
6	6 PFPeS	349.1>80.1		9.76e2	0.2516		3.37						
7	7 PFHpA	363.0 > 318.9	1.35e2	6.95e3	0.2516		3.79	3.79	0.244	0.702		29.464	YES
8	8 L-PFHxS	398.9 > 79.6	7.49e1	8.23e2	0.2516		3.93	3.94	1.14	2.377		1.455	NO
9	9 Br-PFHxS	398.9 > 79.6		8.23e2	0.2516		3.80						
10	10 6:2 FTS	427.1 > 407	1.06e1	2.34e3	0.2516		4.23	4.25	0.0569			2.685	NO
11	11 L-PFOA	413 > 368.7	6.62e2	1.07e4	0.2516		4.40	4.31	0.772	3.072		80.202	YES
12	12 Br-PFOA	413 > 368.7	6.49e1	1.07e4	0.2516		4.29	4.19	0.0758			0.538	NO
13	13 PFHpS	449 > 80.0		1.07e4	0.2516		4.40						
14	14 PFNA	463.0 > 418.8		9.34e3	0.2516		4.73						
15	15 PFOSA	498.2 > 77.9		1.10e3	0.2516		4.79						
16	16 L-PFOS	499.1 > 79.9	2.34e1	2.24e3	0.2516		4.81	4.83	0.131	0.443		2.810	YES
17	17 Br-PFOS	499.1 > 79.9	1.25e1	2.24e3	0.2516		4.67	4.69	0.0697	0.158		17.874	NO
18	18 PFDA	513 > 468.8		1.16e4	0.2516		5.10						
19	19 8:2 FTS	527 > 506.9		2.00e3	0.2516		5.07						
20	20 PFNS	549.1>80.1		2.24e3	0.2516		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.67e3	0.2516		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.67e3	0.2516		5.16						
23	23 L-EtFOSAA	584.2 > 419		3.35e3	0.2516		5.41						
24	24 Br-ETFOSAA	584.2 > 419		3.35e3	0.2516		5.32						
25	25 PFUdA	563.0 > 518.9		1.24e4	0.2516		5.42						
26	26 PFDS	598.8 > 80		1.24e4	0.2516		5.47						
27	27 PFDoA	612.9 > 569.0		1.27e4	0.2516		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.27e4	0.2516		5.95						
29	30 PFTeDA	712.9 > 668.8		1.04e4	0.2516		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.32e3	5.27e3	0.2516	0.847	1.39	1.41	10.2	48.032	96.7		
31	37 13C3-PFPeA	266. > 221.8	6.57e3	8.19e3	0.2516	0.852	2.37	2.39	10.0	46.725	94.1		
32	38 13C3-PFBS	302. > 98.8	9.76e2	8.19e3	0.2516	0.102	2.66	2.68	1.49	58.280	117.3		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-113.qld

Last Altered: Wednesday, May 30, 2018 11:38:11 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:38:52 Pacific Daylight Time

Name: 180528M1_113, Date: 29-May-2018, Time: 11:25:04, ID: 1801010-13 GSUMW0031116180518GSC 0.125, Description: GSUMW0031116180518GSC

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.89e3	8.19e3	0.2516	0.233	3.06	3.08	2.89	49.119	98.9	
34	40	13C2-PFHxA	315 > 269.8	2.25e3	8.19e3	0.2516	0.720	3.15	3.17	3.43	18.932	95.3	
35	41	13C4-PFHpA	367.2 > 321.8	6.95e3	8.19e3	0.2516	0.795	3.76	3.79	10.6	52.992	106.7	
36	42	18O2-PFHxS	403.0 > 102.6	8.23e2	2.17e3	0.2516	0.421	3.92	3.93	4.73	44.714	90.0	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.34e3	7.25e3	0.2516	0.280	4.23	4.25	4.03	57.035	114.8	
38	44	13C2-PFOA	414.9 > 369.7	1.07e4	7.25e3	0.2516	1.477	4.29	4.31	18.5	49.640	99.9	
39	45	13C5-PFNA	468.2 > 422.9	9.34e3	1.18e4	0.2516	0.955	4.73	4.74	9.90	41.169	82.9	
40	46	13C8-PFOSA	506.1 > 77.7	1.10e3	1.61e4	0.2516	0.151	4.79	4.81	0.858	22.565	45.4	
41	47	13C8-PFOS	507.0 > 79.9	2.24e3	2.47e3	0.2516	1.023	4.81	4.82	11.3	44.006	88.6	
42	48	13C2-PFDA	515.1 > 469.9	1.16e4	1.29e4	0.2516	1.200	5.10	5.11	11.3	37.317	75.1	
43	49	13C2-8:2 FTS	529.1 > 508.7	2.00e3	8.19e3	0.2516	0.224	5.07	5.08	3.05	54.155	109.0	
44	50	d3-N-MeFOSAA	573.3 > 419	2.67e3	1.61e4	0.2516	0.231	5.25	5.26	2.08	35.750	72.0	
45	51	d5-N-EtFOSAA	589.3 > 419	3.35e3	1.61e4	0.2516	0.259	5.41	5.42	2.61	40.118	80.8	
46	52	13C2-PFUdA	565 > 519.8	1.24e4	1.61e4	0.2516	0.996	5.42	5.43	9.61	38.346	77.2	
47	53	13C2-PFDoA	615.0 > 569.7	1.27e4	1.29e4	0.2516	1.247	5.70	5.72	12.3	39.152	78.8	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.61e4	0.2516	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	1.04e4	1.61e4	0.2516	0.792	6.17	6.17	8.08	40.582	81.7	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.61e4	0.2516	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	7.61e3	1.61e4	0.2516	1.211	6.50	6.50	5.92	19.444	97.9	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.61e4	0.2516	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.61e4	0.2516	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	5.27e3	5.27e3	0.2516	1.000	1.39	1.42	12.5	49.674	100.0	
55	61	13C5-PFHxA	318 > 272.9	8.19e3	8.19e3	0.2516	1.000	3.14	3.17	12.5	49.674	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.17e3	2.17e3	0.2516	1.000	3.92	3.93	12.5	49.674	100.0	
57	63	13C8-PFOA	421.3 > 376	7.25e3	7.25e3	0.2516	1.000	4.29	4.31	12.5	49.674	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.18e4	1.18e4	0.2516	1.000	4.72	4.74	12.5	49.674	100.0	
59	65	13C4-PFOS	503 > 79.9	2.47e3	2.47e3	0.2516	1.000	4.81	4.82	12.5	49.674	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.29e4	1.29e4	0.2516	1.000	5.10	5.11	12.5	49.674	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.61e4	1.61e4	0.2516	1.000	5.42	5.43	12.5	49.674	100.0	
62	68	Total PFHxS	398.9 > 79.6	7.49e1	8.23e2	0.2516		4.05		1.14	2.377		
63	69	Total PFOA	413 > 368.7	7.26e2	1.07e4	0.2516		4.30		0.772	3.072		
64	70	Total PFOS	499.1 > 79.9	3.59e1	2.24e3	0.2516		4.90		0.201	0.601		
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.67e3	0.2516		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.35e3	0.2516		5.70		0.000			

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-113.qld

Last Altered: Wednesday, May 30, 2018 11:38:11 Pacific Daylight Time

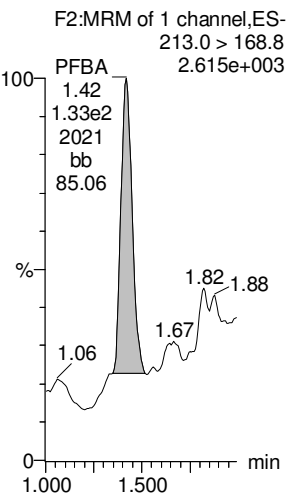
Printed: Wednesday, May 30, 2018 11:38:52 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

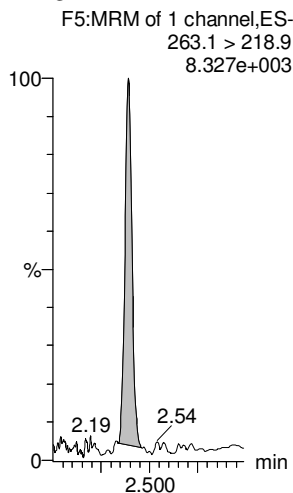
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_113, Date: 29-May-2018, Time: 11:25:04, ID: 1801010-13 GSUMW0031116180518GSC 0.125, Description: GSUMW0031116180518GSC

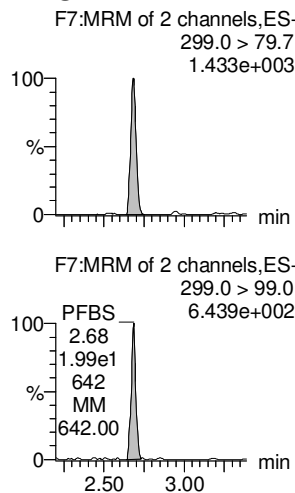
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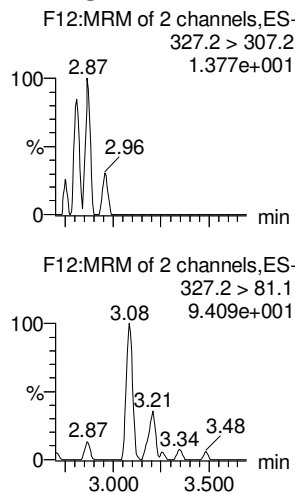
PFPeA



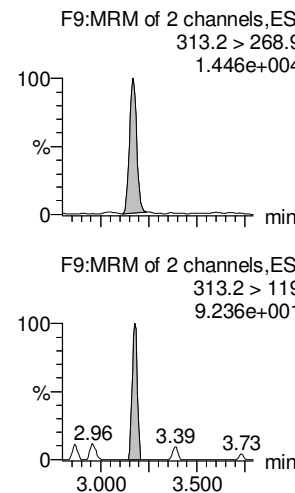
PFBS



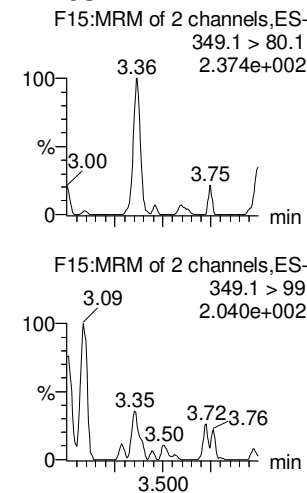
4:2 FTS



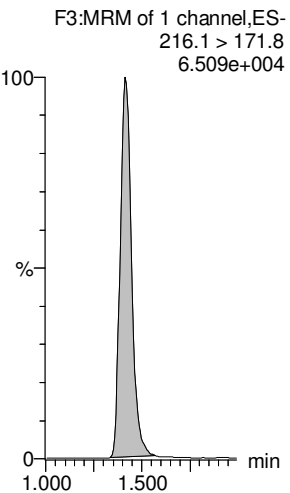
PFHxA



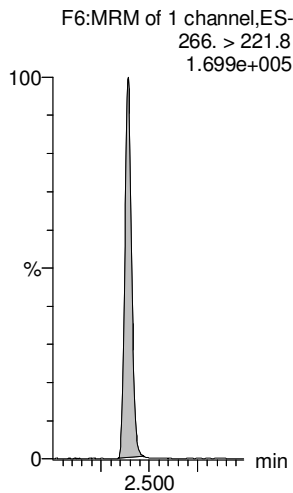
PFPeS



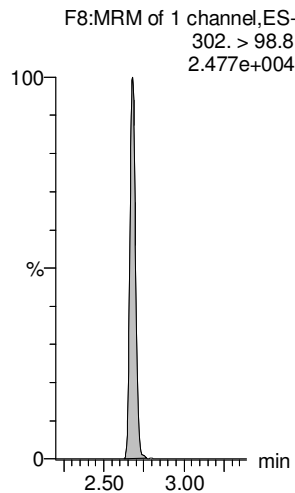
13C3-PFBA



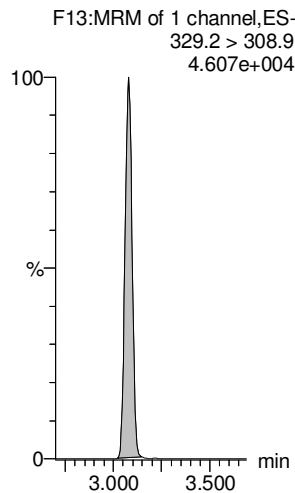
13C3-PFPeA



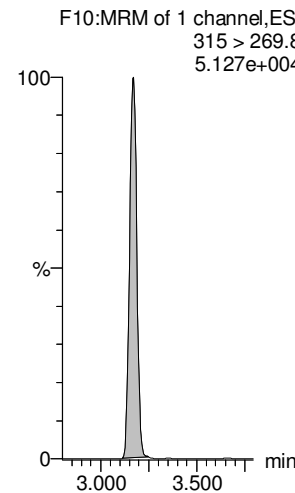
13C3-PFBS



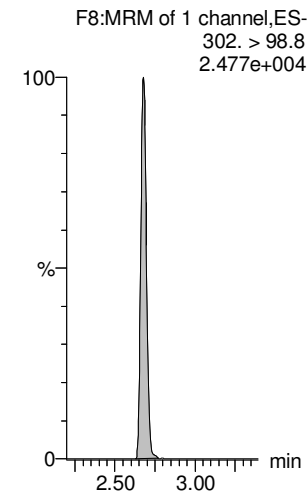
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-113.qld

Last Altered: Wednesday, May 30, 2018 11:38:11 Pacific Daylight Time

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Name: 180528M1_113, Date: 29-May-2018, Time: 11:25:04, ID: 1801010-13 GSUMW0031116180518GSC 0.125, Description: GSUMW0031116180518GSC

L-PFHxS

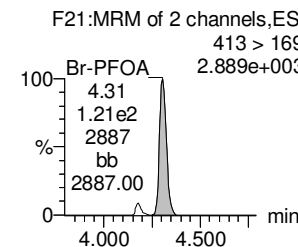
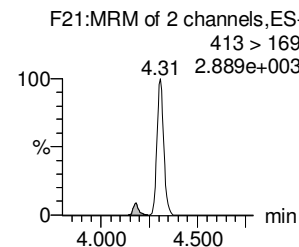
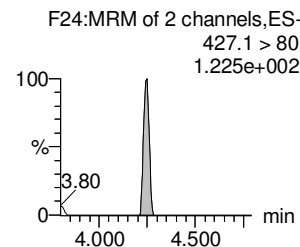
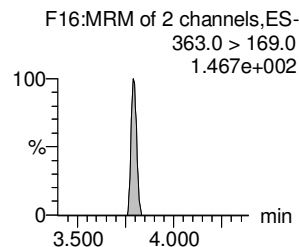
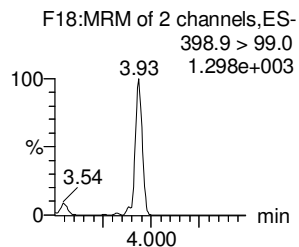
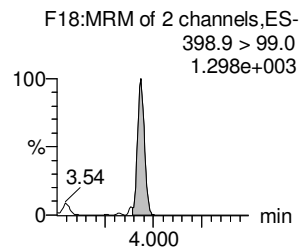
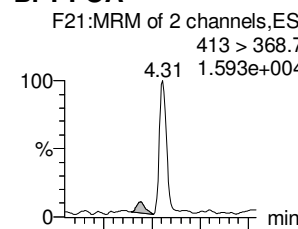
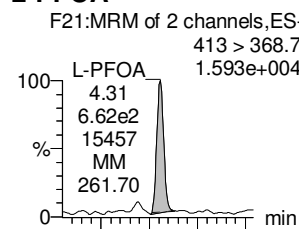
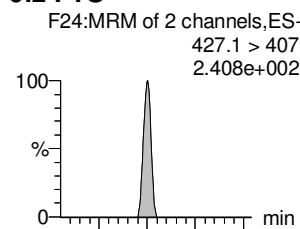
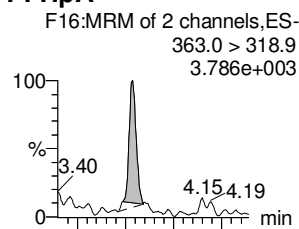
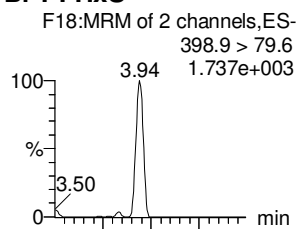
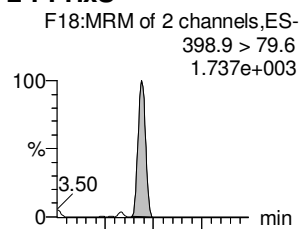
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

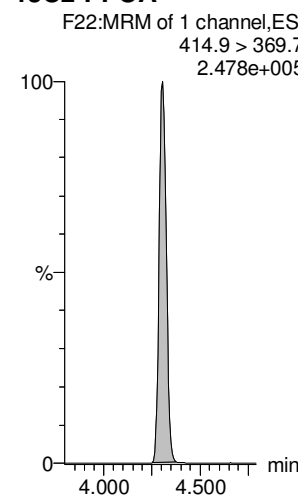
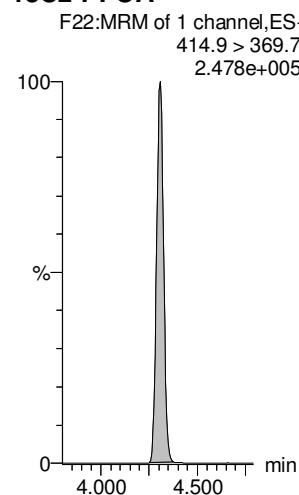
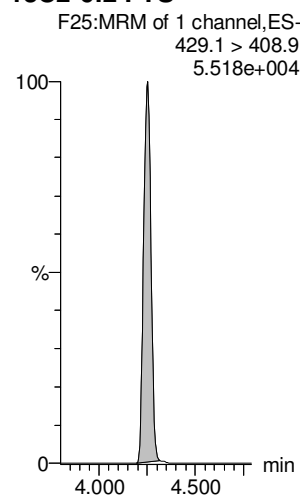
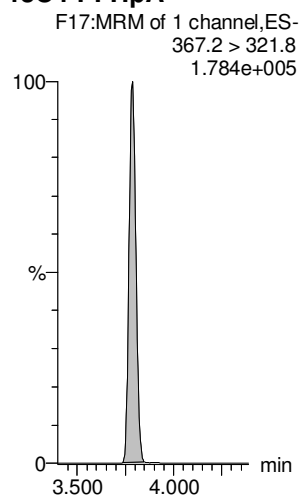
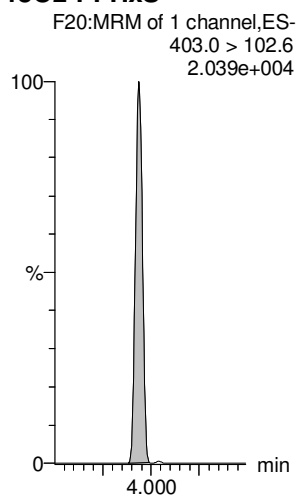
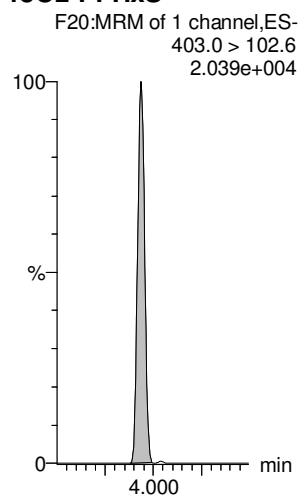
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-113.qld

Last Altered: Wednesday, May 30, 2018 11:38:11 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:38:52 Pacific Daylight Time

Name: 180528M1_113, Date: 29-May-2018, Time: 11:25:04, ID: 1801010-13 GSUMW0031116180518GSC 0.125, Description: GSUMW0031116180518GSC

PFHpS

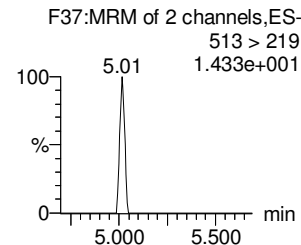
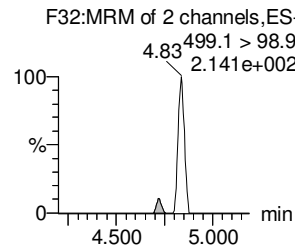
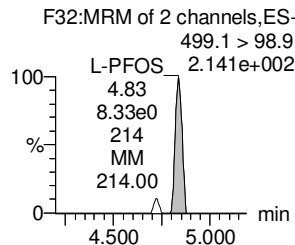
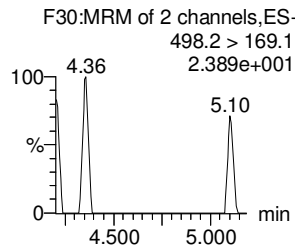
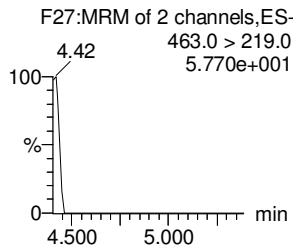
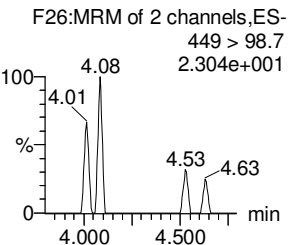
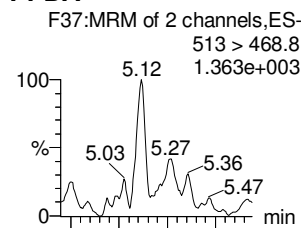
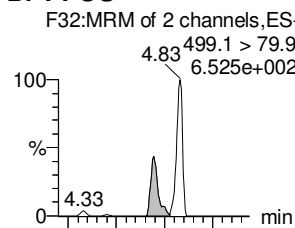
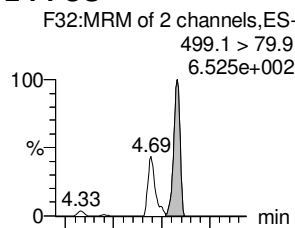
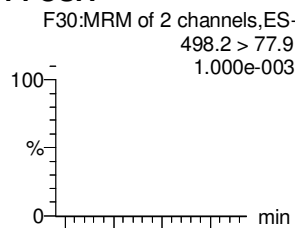
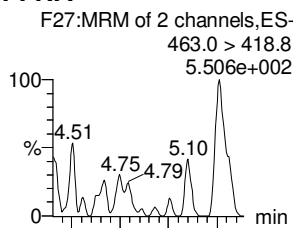
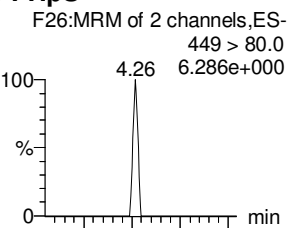
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

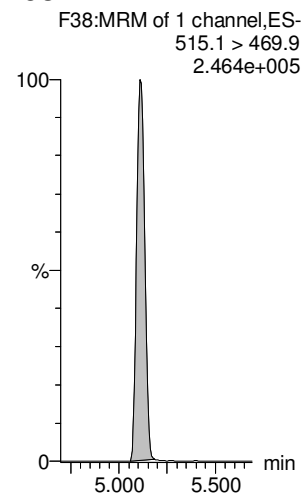
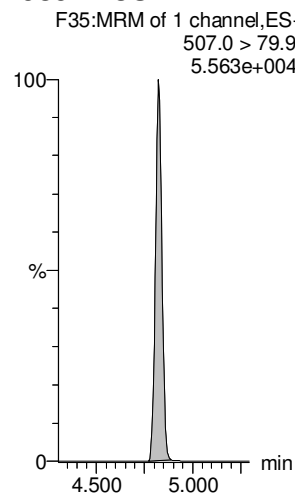
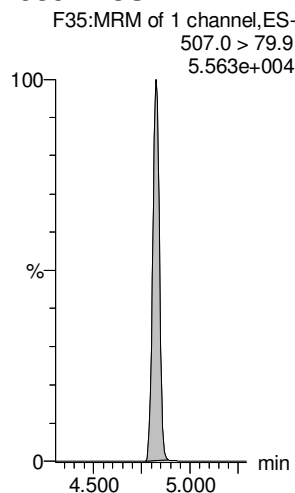
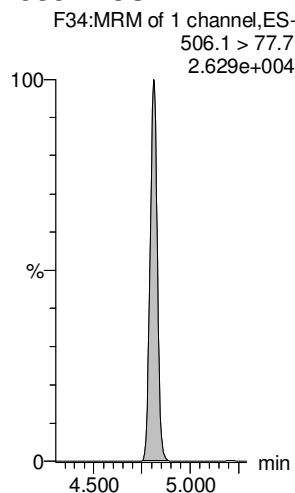
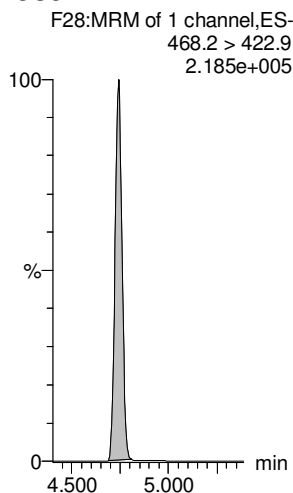
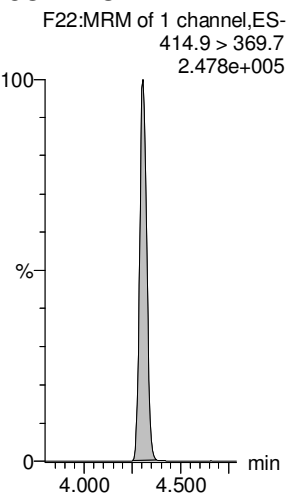
13C5-PFNA

13C8-PFOA

13C8-PFOS

13C8-PFOS

13C2-PFDA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-113.qld

Last Altered: Wednesday, May 30, 2018 11:38:11 Pacific Daylight Time

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Name: 180528M1_113, Date: 29-May-2018, Time: 11:25:04, ID: 1801010-13 GSUMW0031116180518GSC 0.125, Description: GSUMW0031116180518GSC

8:2 FTS

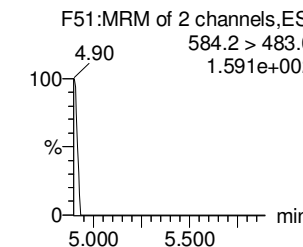
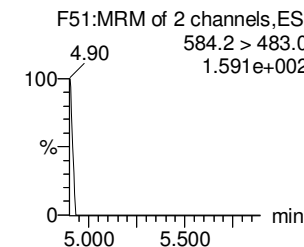
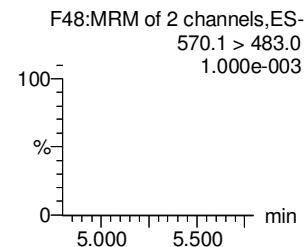
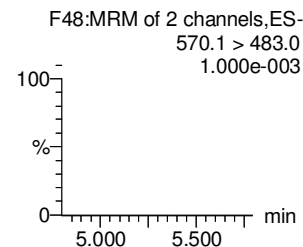
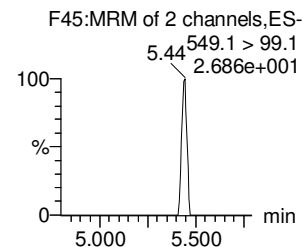
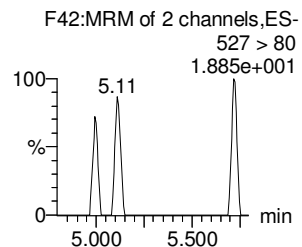
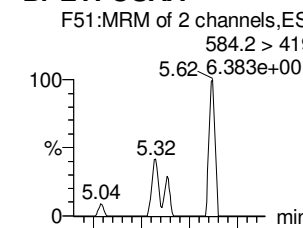
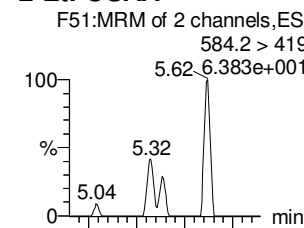
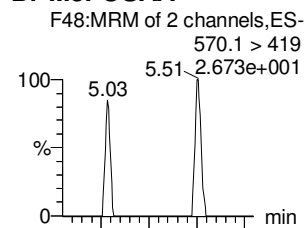
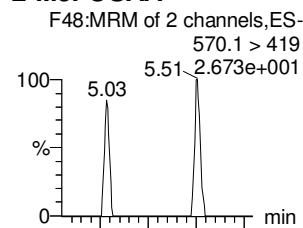
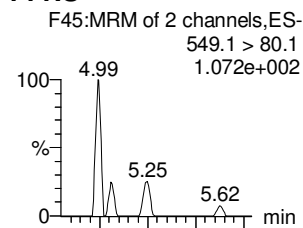
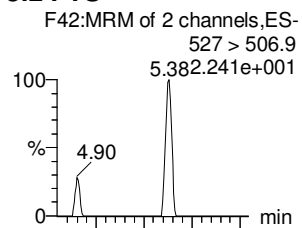
PFNS

L-MeFOSAA

Br-MeFOSAA

L-EtFOSAA

Br-ETFOSAA



13C2-8:2 FTS

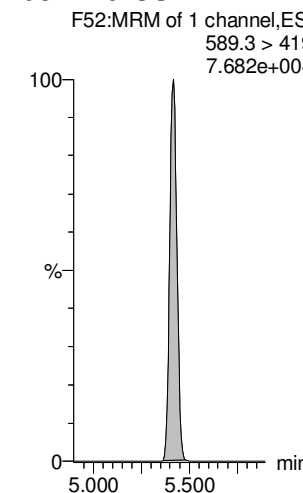
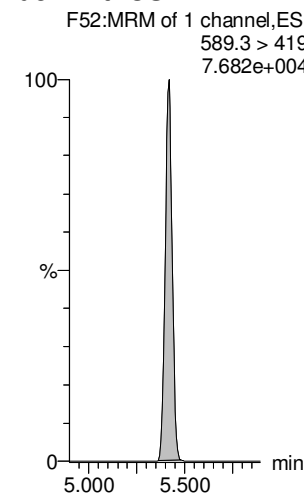
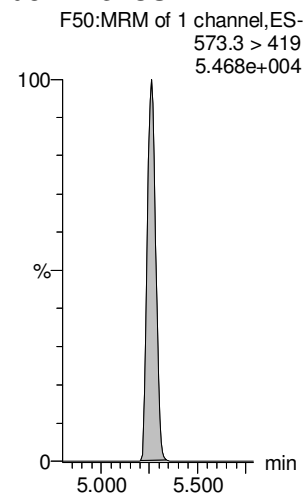
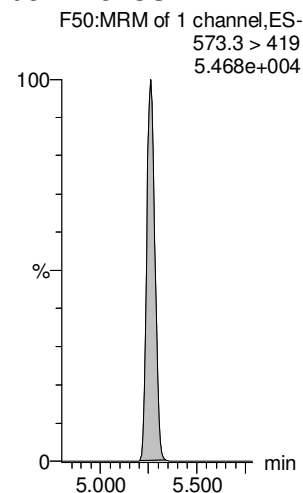
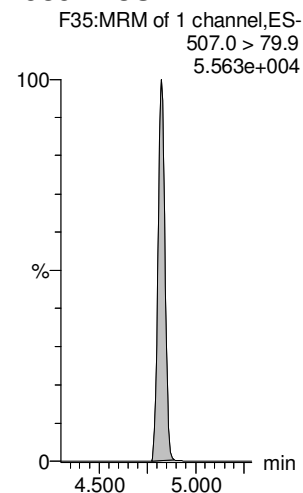
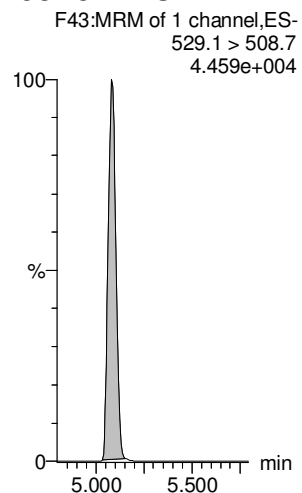
13C8-PFOS

d3-N-MeFOSAA

d3-N-MeFOSAA

d5-N-EtFOSAA

d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-113.qld

Last Altered: Wednesday, May 30, 2018 11:38:11 Pacific Daylight Time

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Name: 180528M1_113, Date: 29-May-2018, Time: 11:25:04, ID: 1801010-13 GSUMW0031116180518GSC 0.125, Description: GSUMW0031116180518GSC

PFUdA

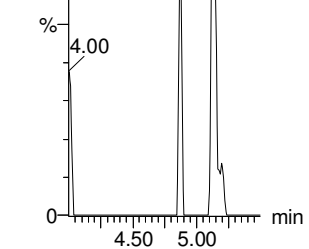
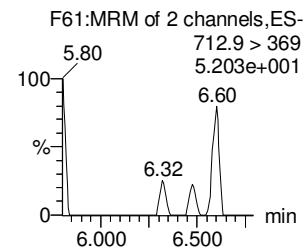
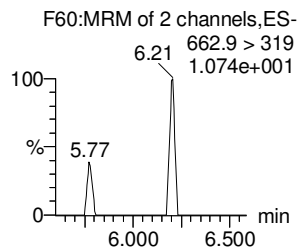
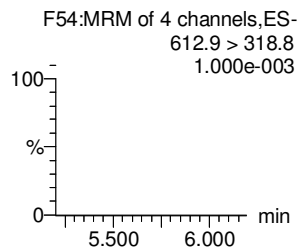
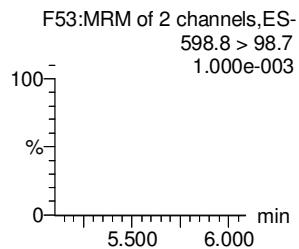
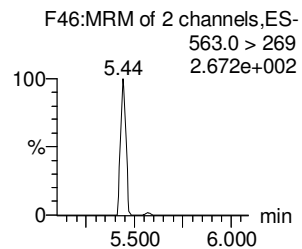
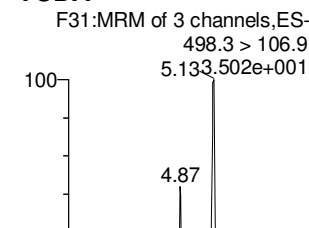
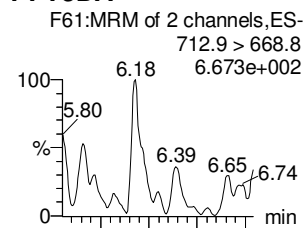
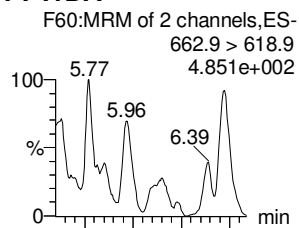
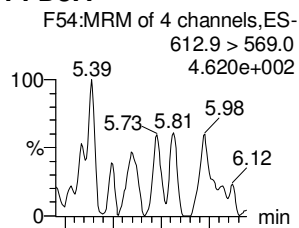
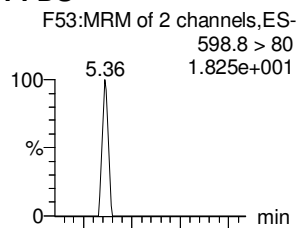
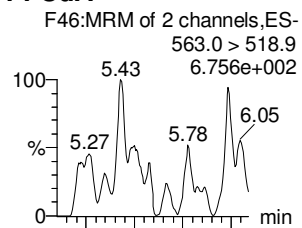
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

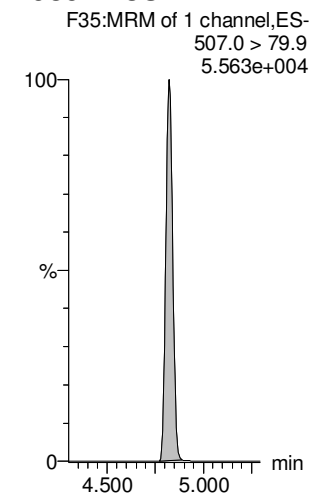
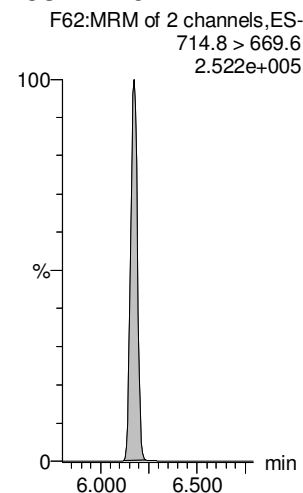
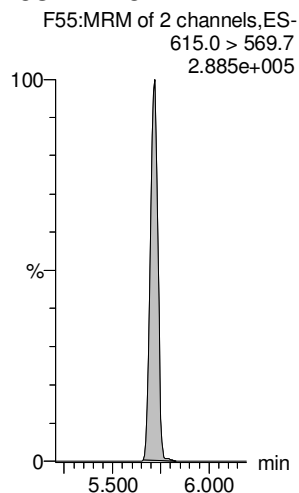
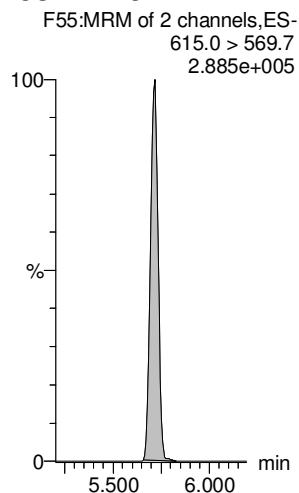
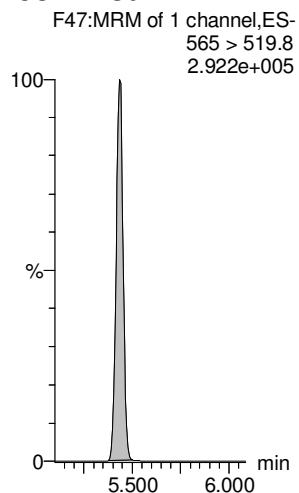
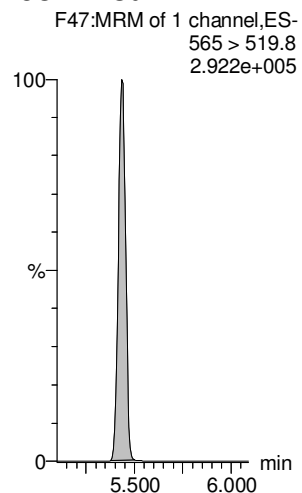
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-113.qld

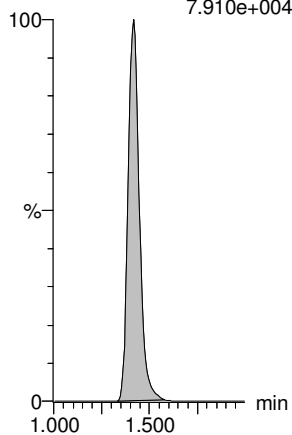
Last Altered: Wednesday, May 30, 2018 11:38:11 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:38:52 Pacific Daylight Time

Name: 180528M1_113, Date: 29-May-2018, Time: 11:25:04, ID: 1801010-13 GSUMW0031116180518GSC 0.125, Description: GSUMW0031116180518GSC

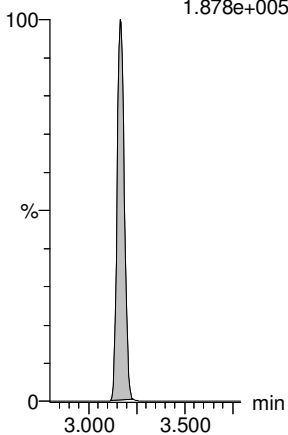
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
7.910e+004



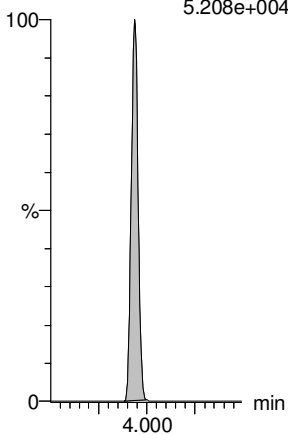
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.878e+005



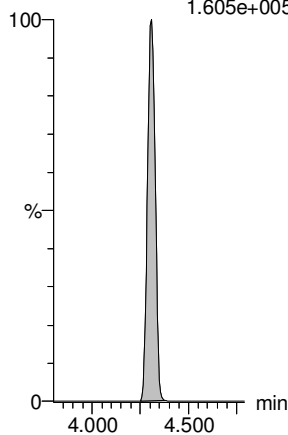
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
5.208e+004



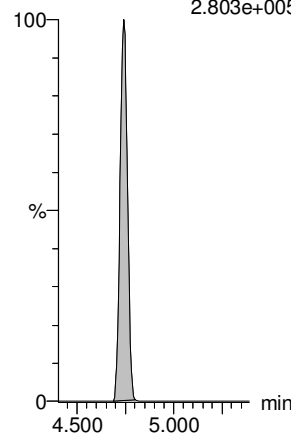
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.605e+005



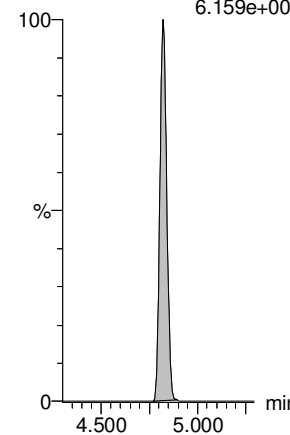
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.803e+005



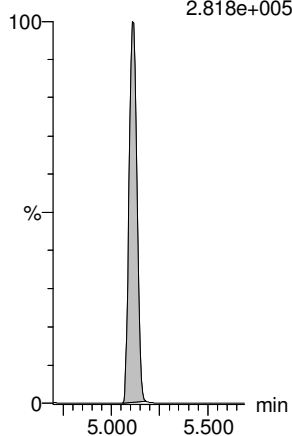
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
6.159e+004



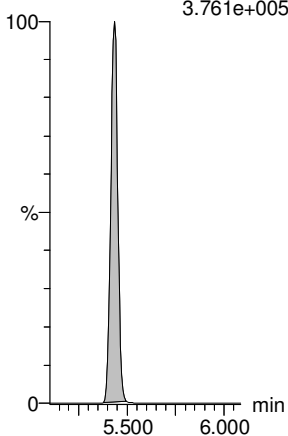
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.818e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.761e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-114.qld

Last Altered: Wednesday, May 30, 2018 11:40:53 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:41:18 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_114, Date: 29-May-2018, Time: 11:35:29, ID: 1801010-14 MW0093233180518RAP 0.125, Description: MW0093233180518RAP

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	3.37e2	3.77e3	0.2517		1.41	1.42	1.12	3.850			
2	2 PFPeA	263.1 > 218.9	4.68e2	5.96e3	0.2517		2.39	2.39	0.981	4.046			
3	3 PFBS	299.0 > 79.7	1.44e2	8.60e2	0.2517		2.68	2.68	2.09	4.244		2.204	NO
4	4 4:2 FTS	327.2>307.2	3.71e0	1.74e3	0.2517		3.08	3.08	0.0266	0.057		1.663	NO
5	5 PFHxA	313.2 > 268.9	7.53e2	2.20e3	0.2517		3.17	3.17	1.72	4.989		366.308	YES
6	6 PFPeS	349.1>80.1	2.92e1	8.60e2	0.2517		3.38	3.37	0.425	1.111		1.717	NO
7	7 PFHpA	363.0 > 318.9	2.11e2	6.37e3	0.2517		3.79	3.80	0.414	1.274		34.552	YES
8	8 L-PFHxS	398.9 > 79.6	1.95e2	7.24e2	0.2517		3.93	3.94	3.37	7.374		2.028	NO
9	9 Br-PFHxS	398.9 > 79.6	5.00e1	7.24e2	0.2517		3.80	3.81	0.863	1.762		2.831	NO
10	10 6:2 FTS	427.1 > 407	6.09e0	1.99e3	0.2517		4.23	4.25	0.0384			0.963	YES
11	11 L-PFOA	413 > 368.7	5.18e2	9.34e3	0.2517		4.40	4.31	0.694	2.696		7.247	YES
12	12 Br-PFOA	413 > 368.7	1.67e2	9.34e3	0.2517		4.29	4.19	0.224	0.438		2.276	NO
13	13 PFHpS	449 > 80.0		9.34e3	0.2517		4.40						
14	14 PFNA	463.0 > 418.8		7.83e3	0.2517		4.73						
15	15 PFOSA	498.2 > 77.9		1.17e3	0.2517		4.79						
16	16 L-PFOS	499.1 > 79.9	3.67e0	1.92e3	0.2517		4.81	4.83	0.0239			0.546	YES
17	17 Br-PFOS	499.1 > 79.9	1.34e1	1.92e3	0.2517		4.67	4.72	0.0874	0.240		11.500	NO
18	18 PFDA	513 > 468.8		9.27e3	0.2517		5.10						
19	19 8:2 FTS	527 > 506.9		1.83e3	0.2517		5.07						
20	20 PFNS	549.1>80.1		1.92e3	0.2517		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.28e3	0.2517		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.28e3	0.2517		5.16						
23	23 L-EtFOSAA	584.2 > 419		2.59e3	0.2517		5.41						
24	24 Br-ETFOSAA	584.2 > 419		2.59e3	0.2517		5.32						
25	25 PFUdA	563.0 > 518.9		9.75e3	0.2517		5.42						
26	26 PFDS	598.8 > 80		9.75e3	0.2517		5.47						
27	27 PFDoA	612.9 > 569.0		1.07e4	0.2517		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.07e4	0.2517		5.95						
29	30 PFTeDA	712.9 > 668.8		9.37e3	0.2517		6.17						
30	36 13C3-PFBA	216.1 > 171.8	3.77e3	4.88e3	0.2517	0.847	1.39	1.41	9.66	45.285	91.2		
31	37 13C3-PFPeA	266. > 221.8	5.96e3	8.31e3	0.2517	0.852	2.37	2.39	8.97	41.810	84.2		
32	38 13C3-PFBS	302. > 98.8	8.60e2	8.31e3	0.2517	0.102	2.66	2.68	1.29	50.639	102.0		GM 5/30/2018

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Name: 180528M1_114, Date: 29-May-2018, Time: 11:35:29, ID: 1801010-14 MW0093233180518RAP 0.125, Description: MW0093233180518RAP

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.74e3	8.31e3	0.2517	0.233	3.06	3.08	2.62	44.634	89.9	
34	40	13C2-PFHxA	315 > 269.8	2.20e3	8.31e3	0.2517	0.720	3.15	3.17	3.30	18.218	91.7	
35	41	13C4-PFHpA	367.2 > 321.8	6.37e3	8.31e3	0.2517	0.795	3.76	3.79	9.59	47.923	96.5	
36	42	18O2-PFHxS	403.0 > 102.6	7.24e2	1.92e3	0.2517	0.421	3.92	3.93	4.70	44.428	89.5	
37	43	13C2-6:2 FTS	429.1 > 408.9	1.99e3	6.87e3	0.2517	0.280	4.23	4.25	3.61	51.200	103.1	
38	44	13C2-PFOA	414.9 > 369.7	9.34e3	6.87e3	0.2517	1.477	4.29	4.31	17.0	45.706	92.0	
39	45	13C5-PFNA	468.2 > 422.9	7.83e3	1.02e4	0.2517	0.955	4.73	4.74	9.63	40.049	80.7	
40	46	13C8-PFOSA	506.1 > 77.7	1.17e3	1.54e4	0.2517	0.151	4.79	4.81	0.949	24.941	50.2	
41	47	13C8-PFOS	507.0 > 79.9	1.92e3	2.05e3	0.2517	1.023	4.81	4.82	11.7	45.491	91.6	
42	48	13C2-PFDA	515.1 > 469.9	9.27e3	1.08e4	0.2517	1.200	5.10	5.11	10.8	35.650	71.8	
43	49	13C2-8:2 FTS	529.1 > 508.7	1.83e3	8.31e3	0.2517	0.224	5.07	5.08	2.75	48.694	98.1	
44	50	d3-N-MeFOSAA	573.3 > 419	2.28e3	1.54e4	0.2517	0.231	5.25	5.26	1.86	31.938	64.3	
45	51	d5-N-EtFOSAA	589.3 > 419	2.59e3	1.54e4	0.2517	0.259	5.41	5.42	2.10	32.293	65.0	
46	52	13C2-PFUdA	565 > 519.8	9.75e3	1.54e4	0.2517	0.996	5.42	5.44	7.93	31.598	63.6	
47	53	13C2-PFDoA	615.0 > 569.7	1.07e4	1.08e4	0.2517	1.247	5.70	5.72	12.4	39.645	79.8	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.54e4	0.2517	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	9.37e3	1.54e4	0.2517	0.792	6.17	6.17	7.62	38.250	77.0	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.54e4	0.2517	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	5.73e3	1.54e4	0.2517	1.211	6.50	6.50	4.66	15.275	76.9	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.54e4	0.2517	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.54e4	0.2517	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	4.88e3	4.88e3	0.2517	1.000	1.39	1.42	12.5	49.654	100.0	
55	61	13C5-PFHxA	318 > 272.9	8.31e3	8.31e3	0.2517	1.000	3.14	3.17	12.5	49.654	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	1.92e3	1.92e3	0.2517	1.000	3.92	3.94	12.5	49.654	100.0	
57	63	13C8-PFOA	421.3 > 376	6.87e3	6.87e3	0.2517	1.000	4.29	4.31	12.5	49.654	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.02e4	1.02e4	0.2517	1.000	4.72	4.74	12.5	49.654	100.0	
59	65	13C4-PFOS	503 > 79.9	2.05e3	2.05e3	0.2517	1.000	4.81	4.82	12.5	49.654	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.08e4	1.08e4	0.2517	1.000	5.10	5.12	12.5	49.654	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.54e4	1.54e4	0.2517	1.000	5.42	5.43	12.5	49.654	100.0	
62	68	Total PFHxS	398.9 > 79.6	2.45e2	7.24e2	0.2517		4.05		4.24	9.136		
63	69	Total PFOA	413 > 368.7	6.86e2	9.34e3	0.2517		4.30		0.918	3.134		
64	70	Total PFOS	499.1 > 79.9	1.71e1	1.92e3	0.2517		4.90		0.0874	0.240		
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.28e3	0.2517		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	2.59e3	0.2517		5.70		0.000			

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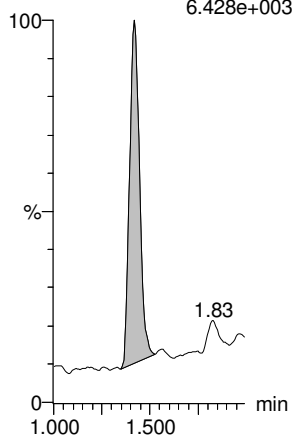
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Name: 180528M1_114, Date: 29-May-2018, Time: 11:35:29, ID: 1801010-14 MW0093233180518RAP 0.125, Description: MW0093233180518RAP

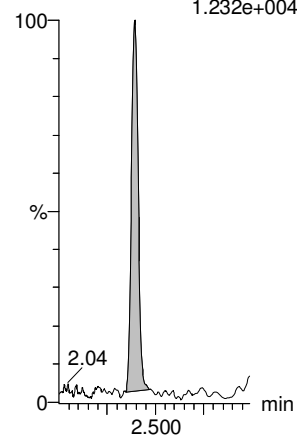
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
6.428e+003



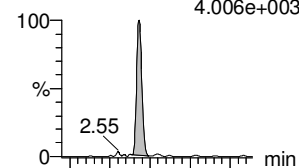
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
1.232e+004

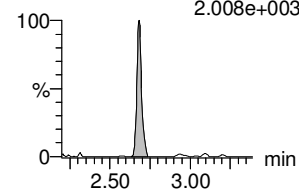


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
4.006e+003

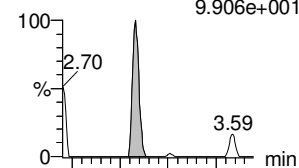


F7:MRM of 2 channels,ES-
299.0 > 99.0
2.008e+003

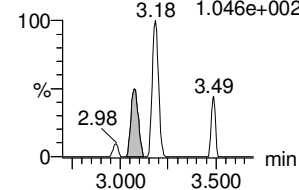


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
9.906e+001

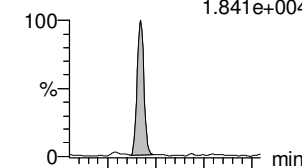


F12:MRM of 2 channels,ES-
327.2 > 81.1
1.046e+002

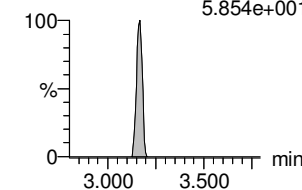


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
1.841e+004

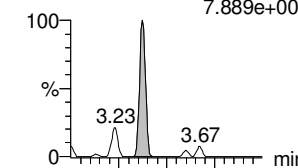


F9:MRM of 2 channels,ES-
313.2 > 119
5.854e+001

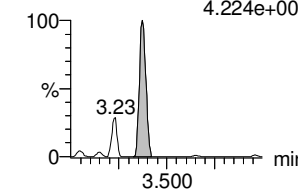


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
7.889e+002

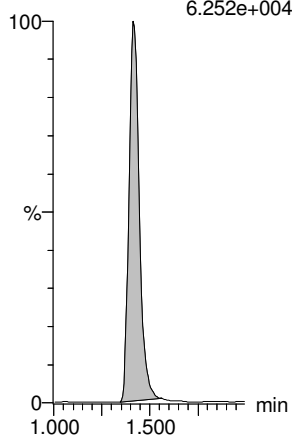


F15:MRM of 2 channels,ES-
349.1 > 99
4.224e+002



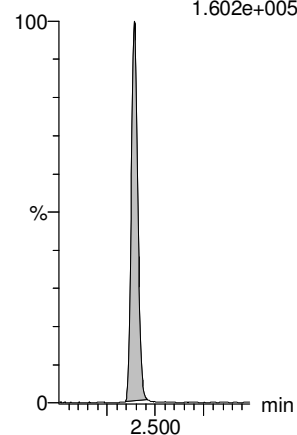
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
6.252e+004



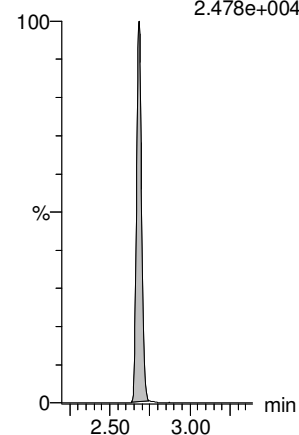
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
1.602e+005



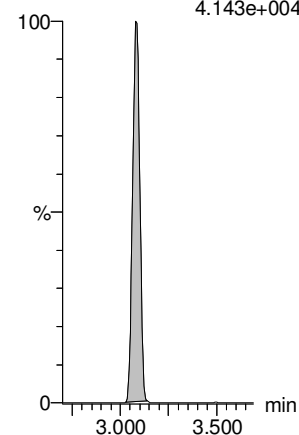
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
2.478e+004



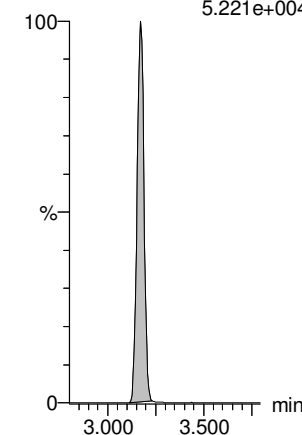
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
4.143e+004



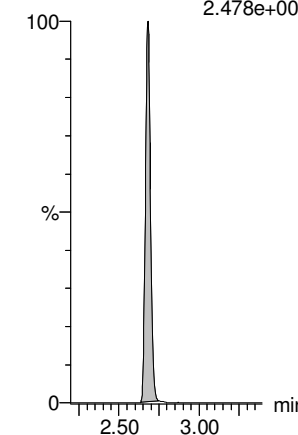
13C3-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
5.221e+004



13C3-PFPeS

F8:MRM of 1 channel,ES-
302. > 98.8
2.478e+004



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L-PFHxS

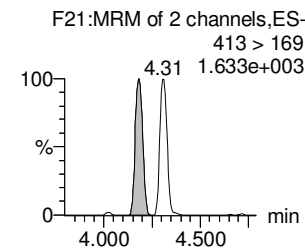
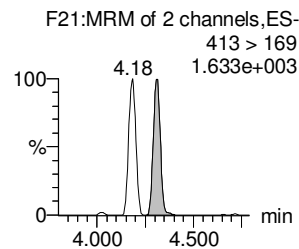
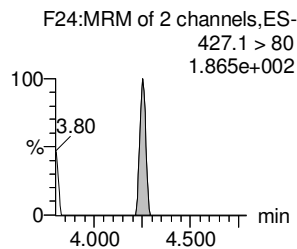
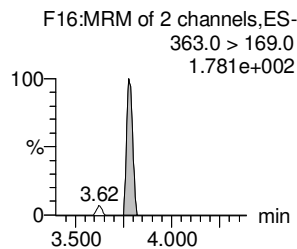
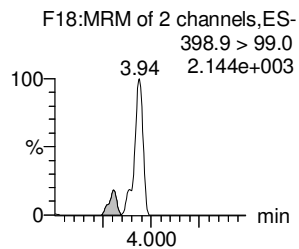
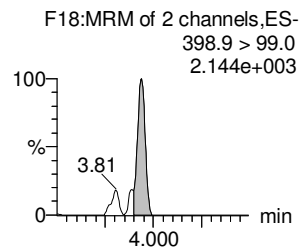
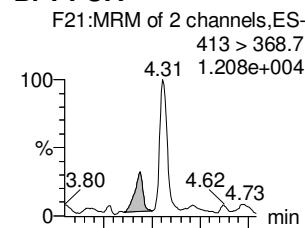
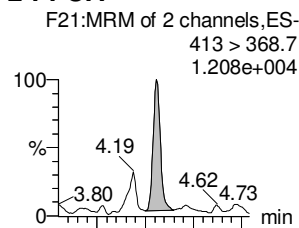
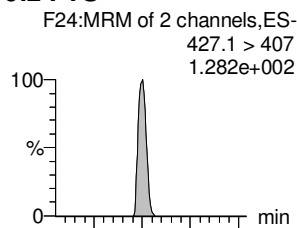
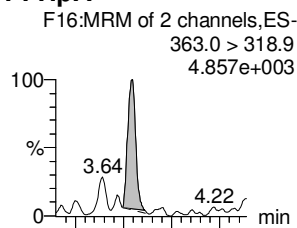
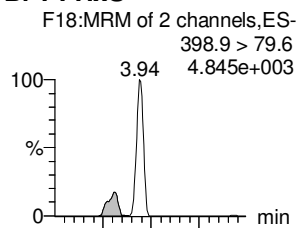
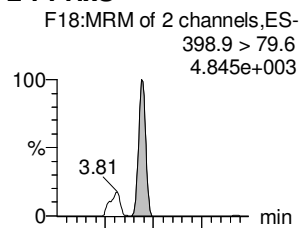
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

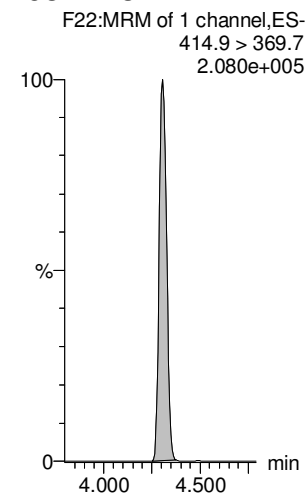
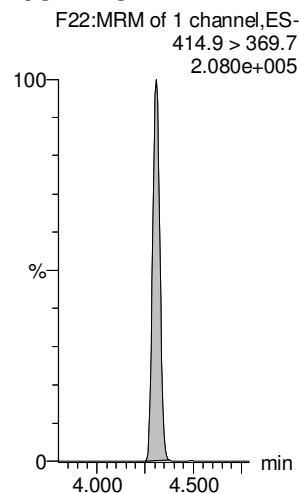
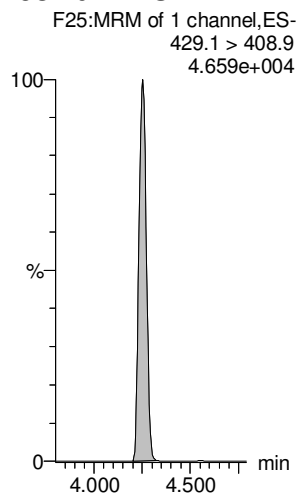
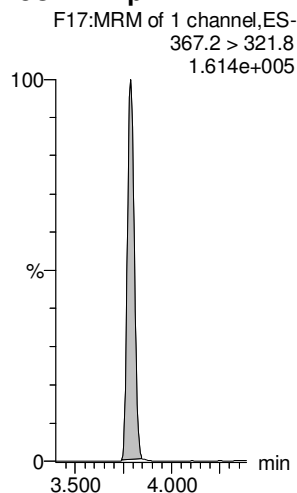
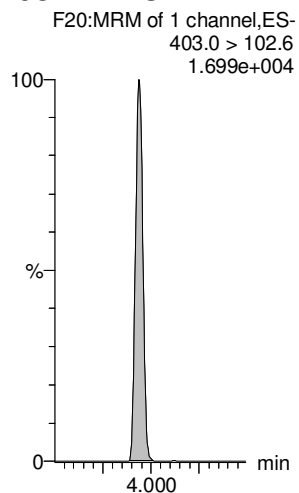
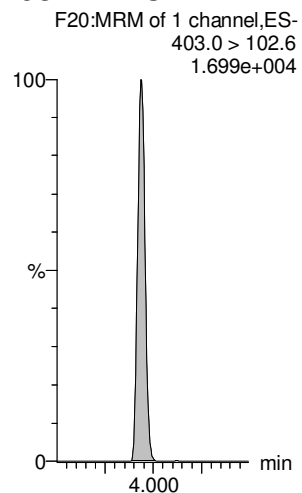
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



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Name: 180528M1_114, Date: 29-May-2018, Time: 11:35:29, ID: 1801010-14 MW0093233180518RAP 0.125, Description: MW0093233180518RAP

PFHpS

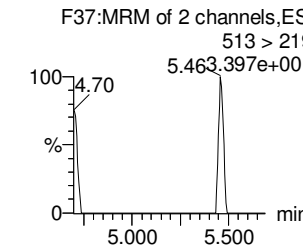
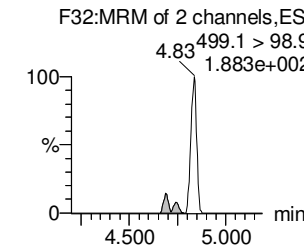
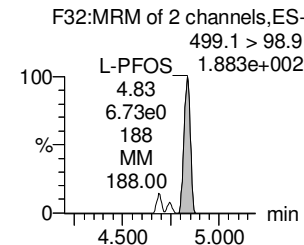
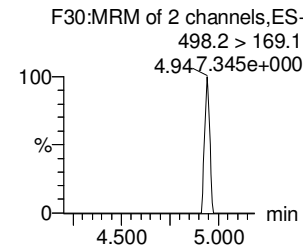
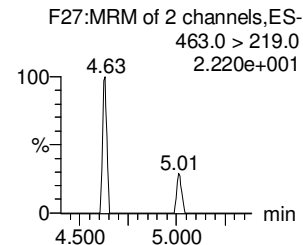
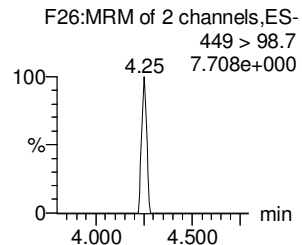
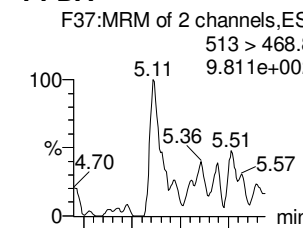
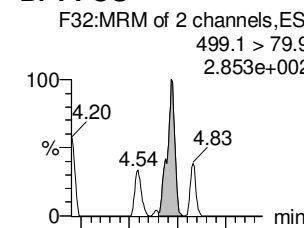
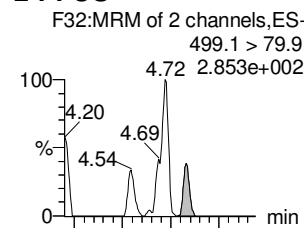
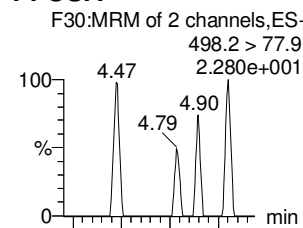
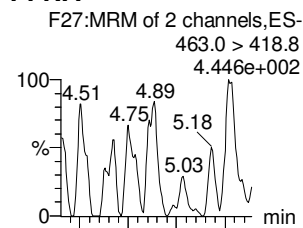
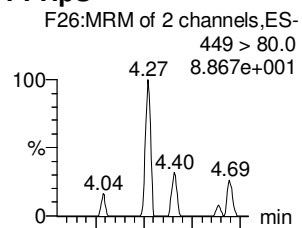
PFNA

PFOSA

L-PFOS

Br-PFOS

PFDA



13C2-PFOA

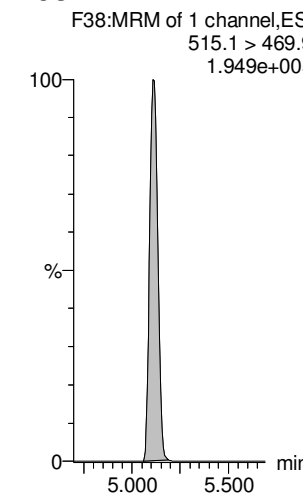
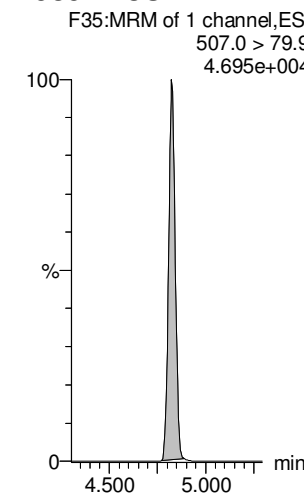
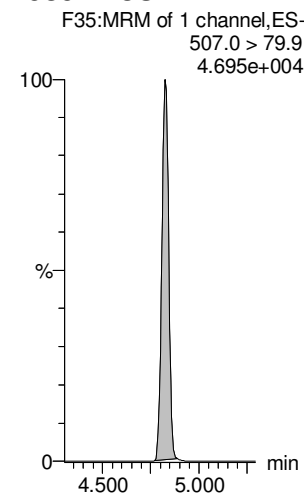
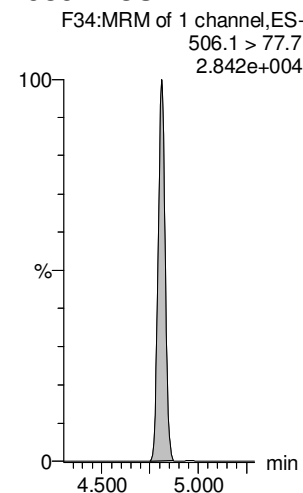
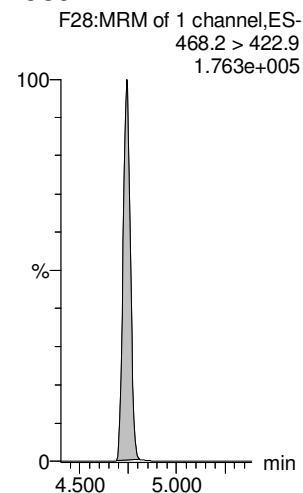
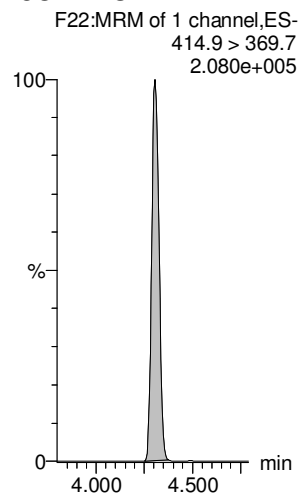
13C5-PFNA

13C8-PFOA

13C8-PFOS

13C8-PFOS

13C2-PFDA



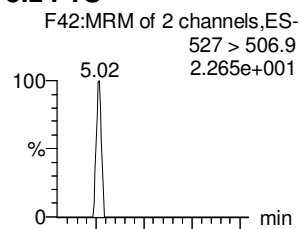
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-114.qld

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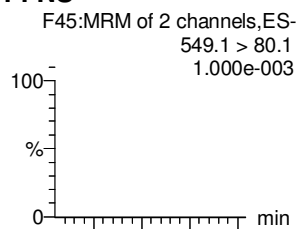
Printed: Wednesday, May 30, 2018 11:41:18 Pacific Daylight Time

Name: 180528M1_114, Date: 29-May-2018, Time: 11:35:29, ID: 1801010-14 MW0093233180518RAP 0.125, Description: MW0093233180518RAP

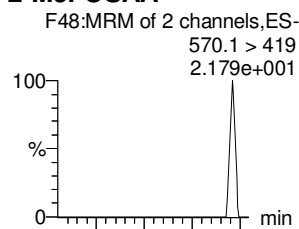
8:2 FTS



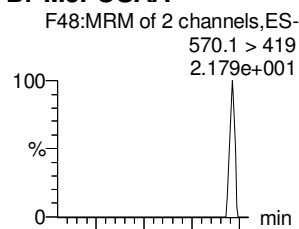
PFNS



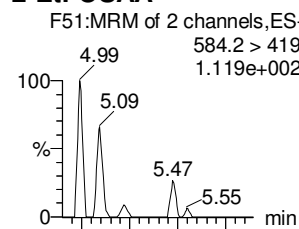
L-MeFOSAA



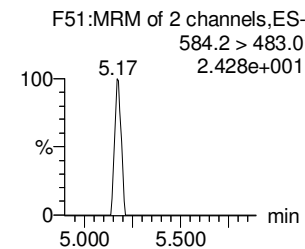
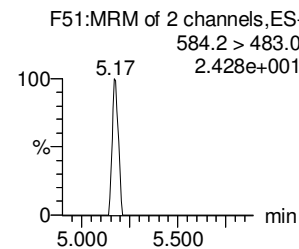
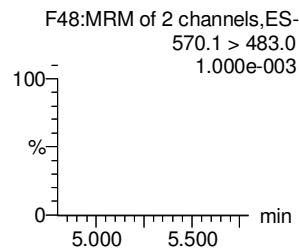
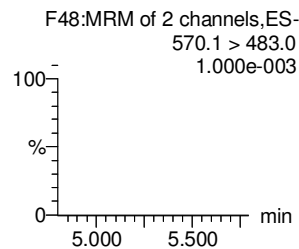
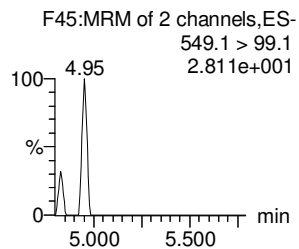
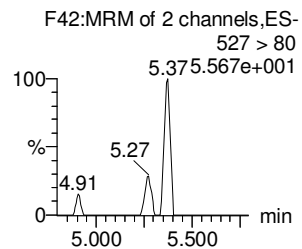
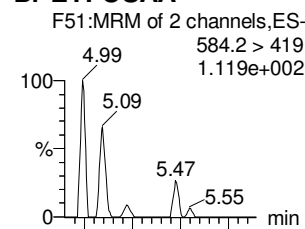
Br-MeFOSAA



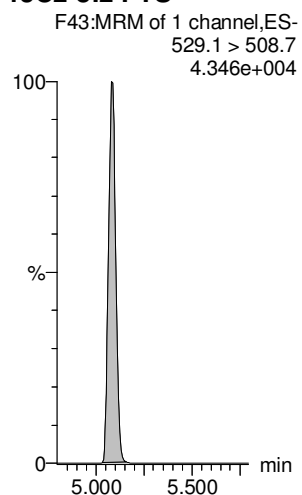
L-EtFOSAA



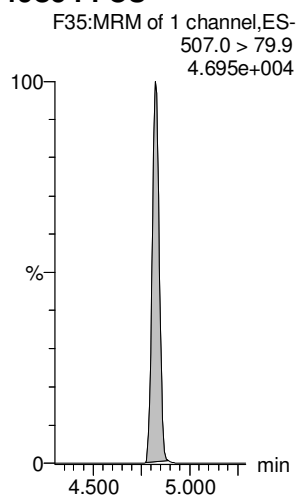
Br-ETFOSAA



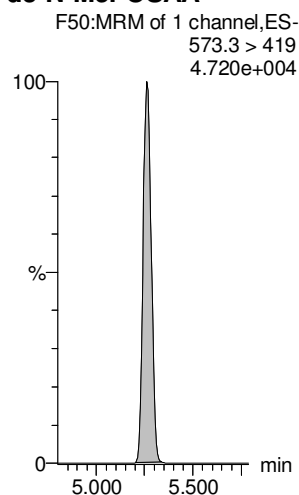
13C2-8:2 FTS



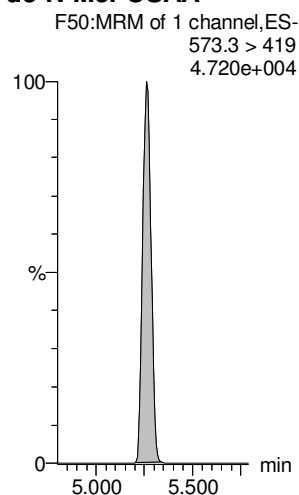
13C8-PFOS



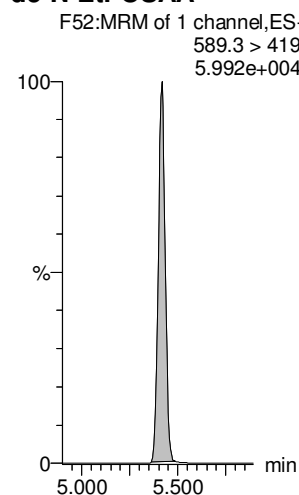
d3-N-MeFOSAA



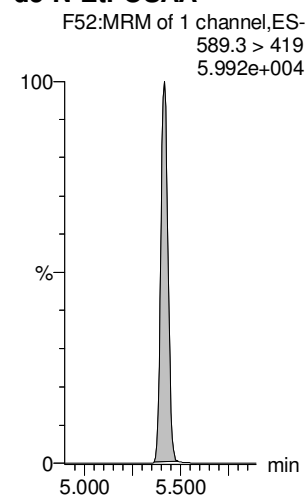
d3-N-MeFOSAA



d5-N-EtFOSAA



d5-N-EtFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-114.qld

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Name: 180528M1_114, Date: 29-May-2018, Time: 11:35:29, ID: 1801010-14 MW0093233180518RAP 0.125, Description: MW0093233180518RAP

PFUdA

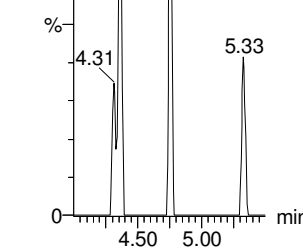
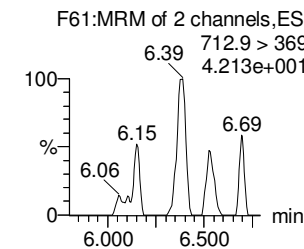
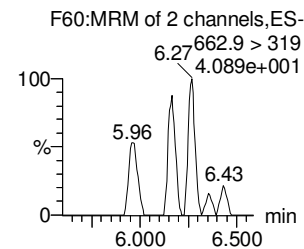
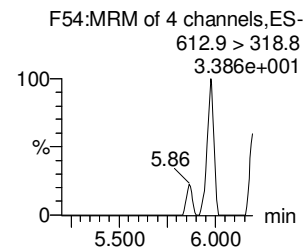
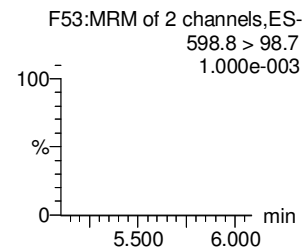
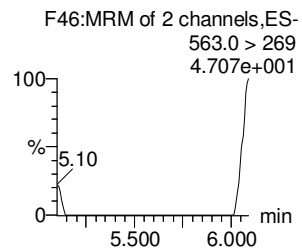
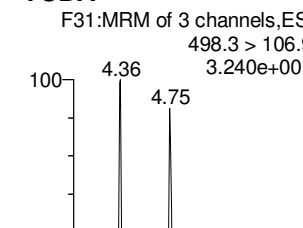
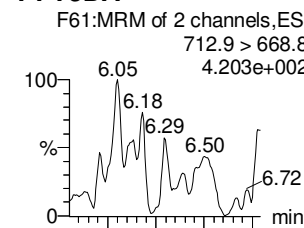
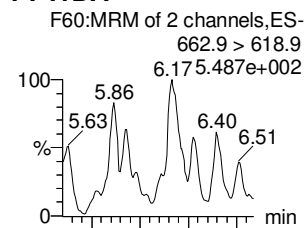
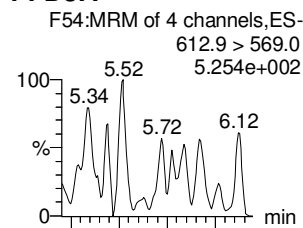
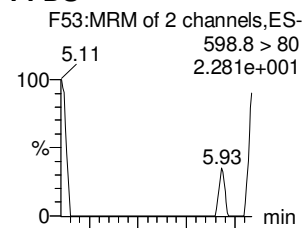
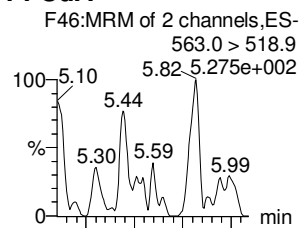
PFDS

PFDoA

PFTrDA

PFTeDA

TCDA



13C2-PFUdA

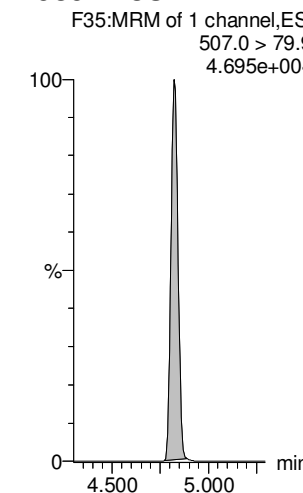
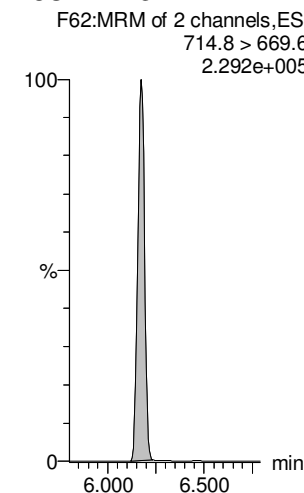
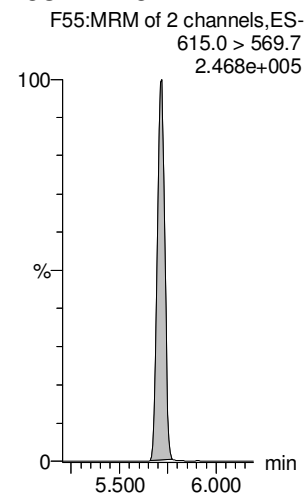
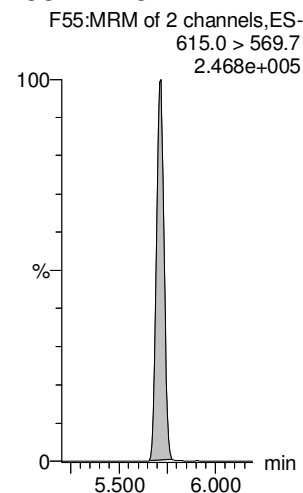
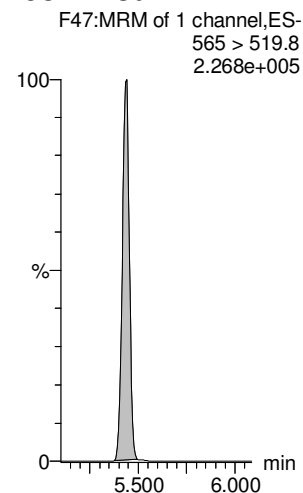
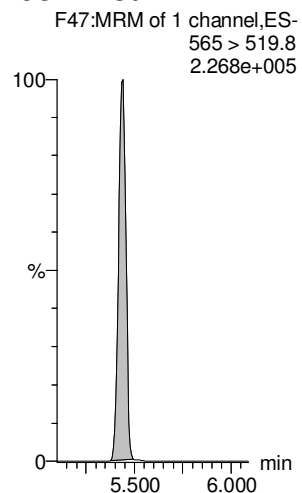
13C2-PFUdA

13C2-PFDoA

13C2-PFDoA

13C2-PFTeDA

13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-114.qld

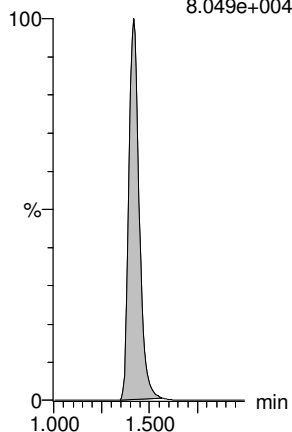
Last Altered: Wednesday, May 30, 2018 11:40:53 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:41:18 Pacific Daylight Time

Name: 180528M1_114, Date: 29-May-2018, Time: 11:35:29, ID: 1801010-14 MW0093233180518RAP 0.125, Description: MW0093233180518RAP

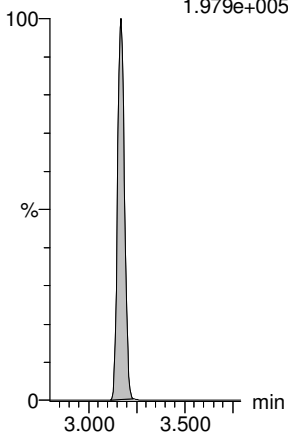
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
8.049e+004



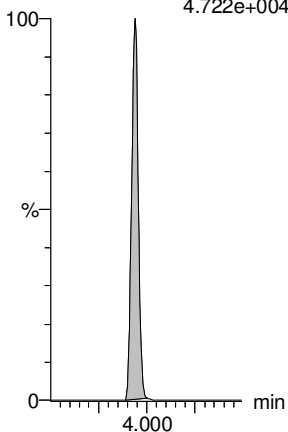
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.979e+005



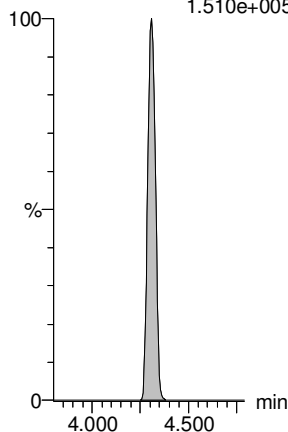
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
4.722e+004



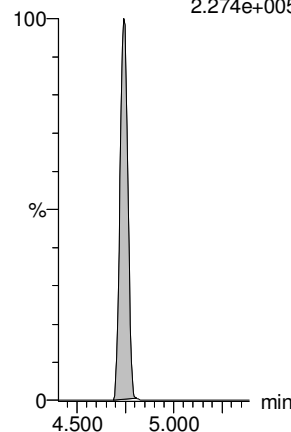
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
1.510e+005



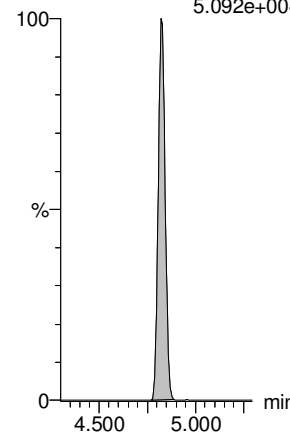
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.274e+005



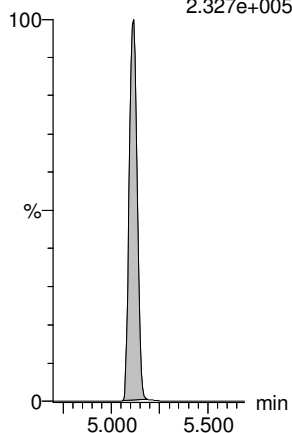
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.092e+004



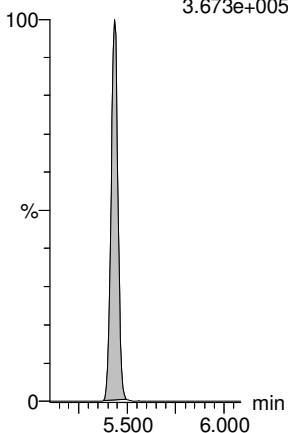
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.327e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.673e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-115.qld

Last Altered: Wednesday, May 30, 2018 11:43:51 Pacific Daylight Time

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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_115, Date: 29-May-2018, Time: 11:45:59, ID: 1801010-15 MW0091516180518MK 0.125, Description: MW0091516180518MK

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	2.87e2	4.05e3	0.2534		1.42	1.42	0.886	3.015			
2	2 PFPeA	263.1 > 218.9		6.34e3	0.2534		2.40						
3	3 PFBS	299.0 > 79.7	4.22e2	1.02e3	0.2534		2.68	2.68	5.18	11.110		2.408	NO
4	4 4:2 FTS	327.2>307.2		1.91e3	0.2534		3.08						
5	5 PFHxA	313.2 > 268.9		2.23e3	0.2534		3.17						
6	6 PFPeS	349.1>80.1		1.02e3	0.2534		3.38						
7	7 PFHpA	363.0 > 318.9		6.63e3	0.2534		3.79						
8	8 L-PFHxS	398.9 > 79.6	3.37e1	8.47e2	0.2534		3.94	3.95	0.498	0.941		1.427	NO
9	9 Br-PFHxS	398.9 > 79.6		8.47e2	0.2534		3.80						
10	10 6:2 FTS	427.1 > 407	1.08e1	2.39e3	0.2534		4.23	4.25	0.0563			2.010	YES
11	11 L-PFOA	413 > 368.7		1.07e4	0.2534		4.40						
12	12 Br-PFOA	413 > 368.7		1.07e4	0.2534		4.29						
13	13 PFHpS	449 > 80.0		1.07e4	0.2534		4.40						
14	14 PFNA	463.0 > 418.8		1.01e4	0.2534		4.73						
15	15 PFOSA	498.2 > 77.9		9.73e2	0.2534		4.79						
16	16 L-PFOS	499.1 > 79.9		1.96e3	0.2534		4.81						
17	17 Br-PFOS	499.1 > 79.9		1.96e3	0.2534		4.67						
18	18 PFDA	513 > 468.8		1.14e4	0.2534		5.10						
19	19 8:2 FTS	527 > 506.9		1.91e3	0.2534		5.07						
20	20 PFNS	549.1>80.1		1.96e3	0.2534		5.16						
21	21 L-MeFOSAA	570.1 > 419		2.56e3	0.2534		5.25						
22	22 Br-MeFOSAA	570.1 > 419		2.56e3	0.2534		5.16						
23	23 L-EtFOSAA	584.2 > 419		2.98e3	0.2534		5.41						
24	24 Br-ETFOSAA	584.2 > 419		2.98e3	0.2534		5.32						
25	25 PFUdA	563.0 > 518.9		1.23e4	0.2534		5.42						
26	26 PFDS	598.8 > 80		1.23e4	0.2534		5.47						
27	27 PFDoA	612.9 > 569.0		1.20e4	0.2534		5.70						
28	29 PFTTrDA	662.9 > 618.9		1.20e4	0.2534		5.95						
29	30 PFTeDA	712.9 > 668.8		1.04e4	0.2534		6.17						
30	36 13C3-PFBA	216.1 > 171.8	4.05e3	5.16e3	0.2534	0.847	1.39	1.42	9.81	45.706	92.7		
31	37 13C3-PFPeA	266. > 221.8	6.34e3	8.20e3	0.2534	0.852	2.37	2.39	9.67	44.774	90.8		
32	38 13C3-PFBS	302. > 98.8	1.02e3	8.20e3	0.2534	0.102	2.66	2.68	1.55	60.334	122.3		GM 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-115.qld

Last Altered: Wednesday, May 30, 2018 11:43:51 Pacific Daylight Time

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Name: 180528M1_115, Date: 29-May-2018, Time: 11:45:59, ID: 1801010-15 MW0091516180518MK 0.125, Description: MW0091516180518MK

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
33	39	13C2-4:2 FTS	329.2>308.9	1.91e3	8.20e3	0.2534	0.233	3.06	3.08	2.91	49.220	99.8	
34	40	13C2-PFHxA	315 > 269.8	2.23e3	8.20e3	0.2534	0.720	3.15	3.17	3.39	18.594	94.2	
35	41	13C4-PFHpA	367.2 > 321.8	6.63e3	8.20e3	0.2534	0.795	3.76	3.79	10.1	50.220	101.8	
36	42	18O2-PFHxS	403.0 > 102.6	8.47e2	2.16e3	0.2534	0.421	3.92	3.94	4.90	45.981	93.2	
37	43	13C2-6:2 FTS	429.1 > 408.9	2.39e3	8.70e3	0.2534	0.280	4.23	4.25	3.44	48.373	98.1	
38	44	13C2-PFOA	414.9 > 369.7	1.07e4	8.70e3	0.2534	1.477	4.29	4.31	15.4	41.255	83.6	
39	45	13C5-PFNA	468.2 > 422.9	1.01e4	1.31e4	0.2534	0.955	4.73	4.74	9.63	39.769	80.6	
40	46	13C8-PFOSA	506.1 > 77.7	9.73e2	1.46e4	0.2534	0.151	4.79	4.81	0.831	21.704	44.0	
41	47	13C8-PFOS	507.0 > 79.9	1.96e3	2.37e3	0.2534	1.023	4.81	4.82	10.3	39.912	80.9	
42	48	13C2-PFDA	515.1 > 469.9	1.14e4	1.27e4	0.2534	1.200	5.10	5.12	11.2	36.841	74.7	
43	49	13C2-8:2 FTS	529.1 > 508.7	1.91e3	8.20e3	0.2534	0.224	5.07	5.08	2.92	51.372	104.1	
44	50	d3-N-MeFOSAA	573.3 > 419	2.56e3	1.46e4	0.2534	0.231	5.25	5.26	2.18	37.307	75.6	
45	51	d5-N-EtFOSAA	589.3 > 419	2.98e3	1.46e4	0.2534	0.259	5.41	5.42	2.55	38.873	78.8	
46	52	13C2-PFUdA	565 > 519.8	1.23e4	1.46e4	0.2534	0.996	5.42	5.43	10.5	41.484	84.1	
47	53	13C2-PFDoA	615.0 > 569.7	1.20e4	1.27e4	0.2534	1.247	5.70	5.72	11.8	37.488	76.0	
48	54	d3-N-MeFOSA	515.2 > 168.9		1.46e4	0.2534	0.053	5.90					
49	55	13C2-PFTeDA	714.8 > 669.6	1.04e4	1.46e4	0.2534	0.792	6.17	6.17	8.84	44.064	89.3	
50	56	d5-N-ETFOSA	531.1 > 168.9		1.46e4	0.2534	0.076	6.29					
51	57	13C2-PFHxDA	815 > 769.7	7.15e3	1.46e4	0.2534	1.211	6.50	6.50	6.11	19.901	100.9	
52	58	d7-N-MeFOSE	623.1 > 58.9		1.46e4	0.2534	0.040	6.42					
53	59	d9-N-EtFOSE	639.2 > 58.8		1.46e4	0.2534	0.041	6.56					
54	60	13C4-PFBA	217. > 171.8	5.16e3	5.16e3	0.2534	1.000	1.39	1.42	12.5	49.331	100.0	
55	61	13C5-PFHxA	318 > 272.9	8.20e3	8.20e3	0.2534	1.000	3.14	3.17	12.5	49.331	100.0	
56	62	13C3-PFHxS	401.9 > 79.9	2.16e3	2.16e3	0.2534	1.000	3.92	3.94	12.5	49.331	100.0	
57	63	13C8-PFOA	421.3 > 376	8.70e3	8.70e3	0.2534	1.000	4.29	4.31	12.5	49.331	100.0	
58	64	13C9-PFNA	472.2 > 426.9	1.31e4	1.31e4	0.2534	1.000	4.72	4.75	12.5	49.331	100.0	
59	65	13C4-PFOS	503 > 79.9	2.37e3	2.37e3	0.2534	1.000	4.81	4.83	12.5	49.331	100.0	
60	66	13C6-PFDA	519.1 > 473.7	1.27e4	1.27e4	0.2534	1.000	5.10	5.12	12.5	49.331	100.0	
61	67	13C7-PFUdA	570.1 > 524.8	1.46e4	1.46e4	0.2534	1.000	5.42	5.43	12.5	49.331	100.0	
62	68	Total PFHxS	398.9 > 79.6	3.37e1	8.47e2	0.2534		4.05		0.498	0.941		
63	69	Total PFOA	413 > 368.7	0.00e0	1.07e4	0.2534		4.30		0.000			
64	70	Total PFOS	499.1 > 79.9	0.00e0	1.96e3	0.2534		4.90		0.000			
65	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.56e3	0.2534		5.55		0.000			
66	72	Total N-EtFOSAA	584.2 > 419	0.00e0	2.98e3	0.2534		5.70		0.000			

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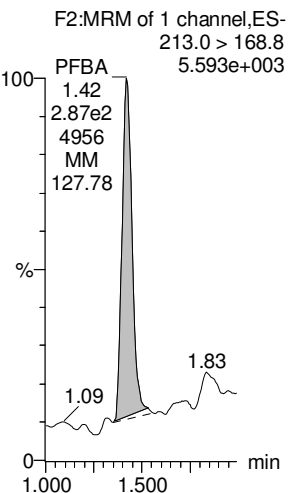
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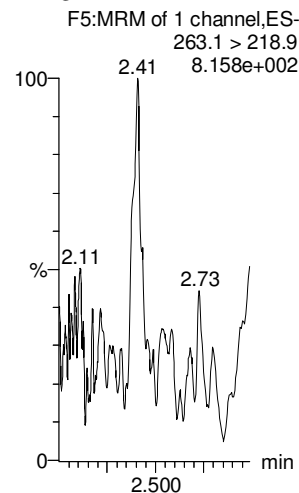
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Name: 180528M1_115, Date: 29-May-2018, Time: 11:45:59, ID: 1801010-15 MW0091516180518MK 0.125, Description: MW0091516180518MK

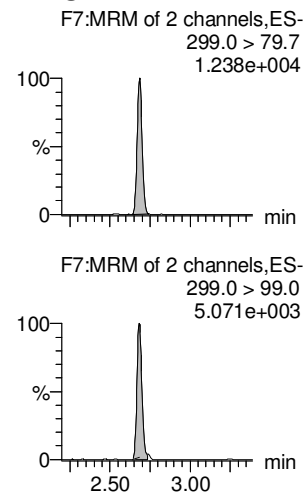
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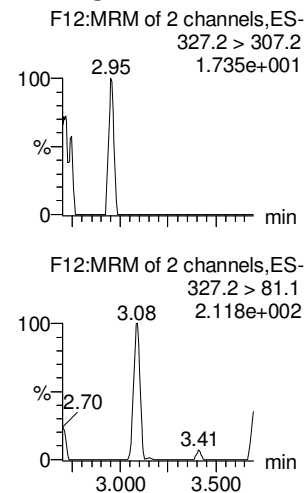
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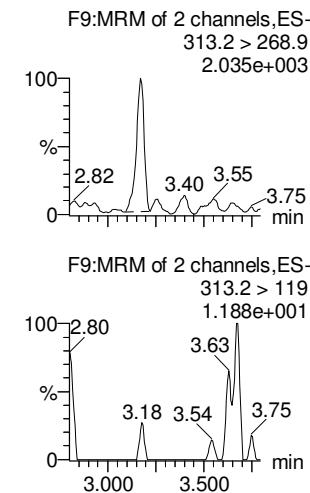
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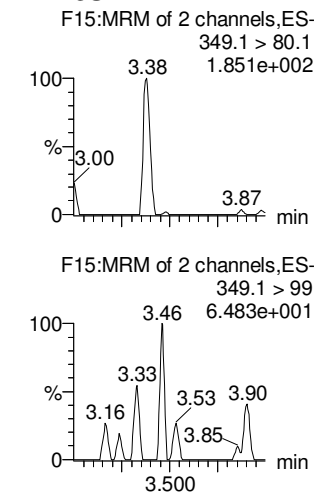
4:2 FTS



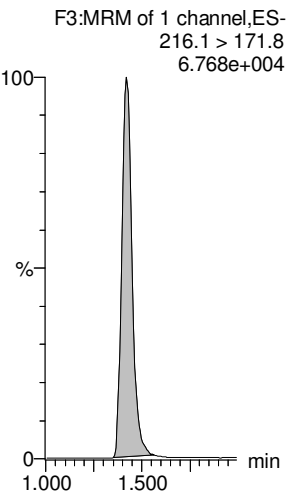
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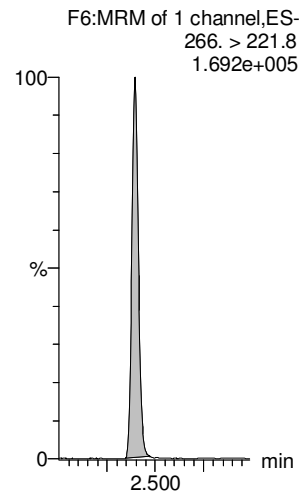
PFPeS



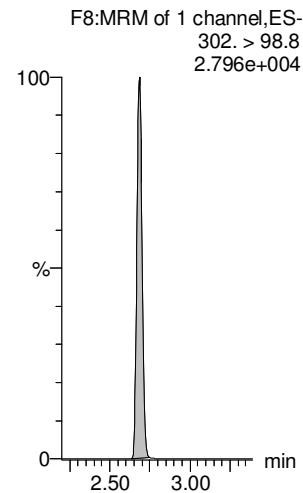
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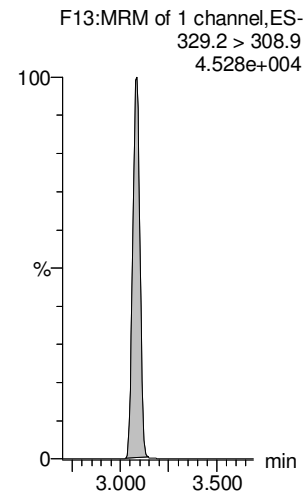
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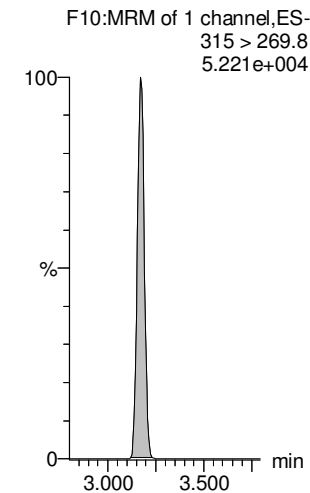
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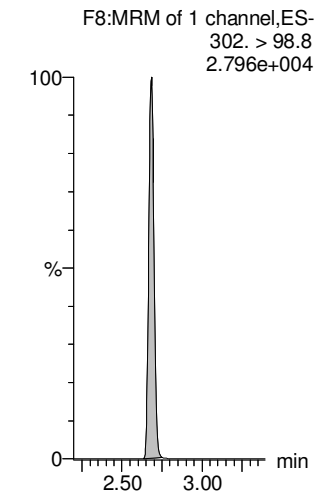
13C2-4:2 FTS



13C3-PFHxA



13C3-PFPeS



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Printed: Wednesday, May 30, 2018 11:44:34 Pacific Daylight Time

Name: 180528M1_115, Date: 29-May-2018, Time: 11:45:59, ID: 1801010-15 MW0091516180518MK 0.125, Description: MW0091516180518MK

L-PFHxS

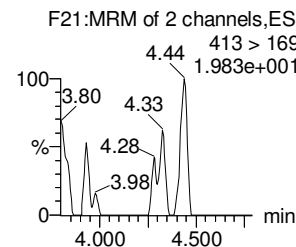
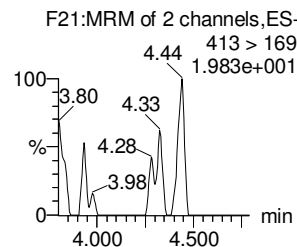
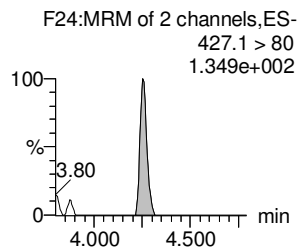
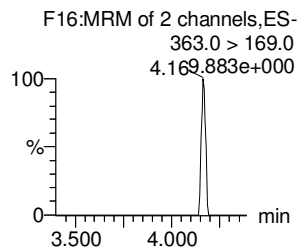
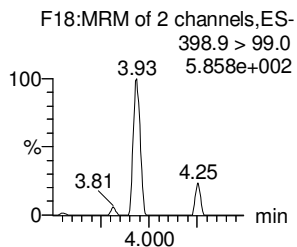
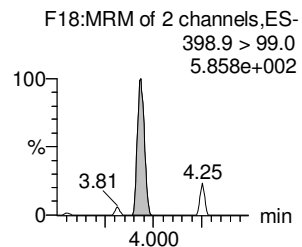
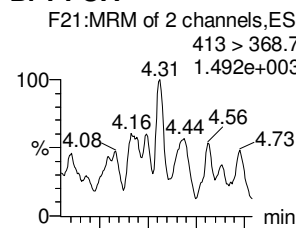
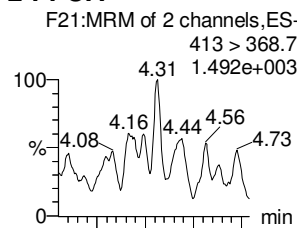
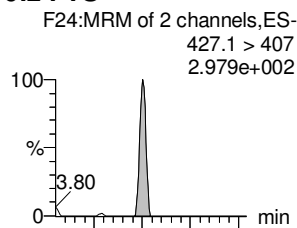
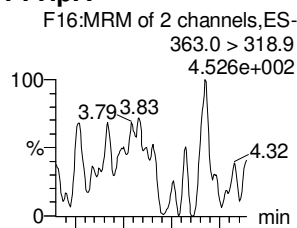
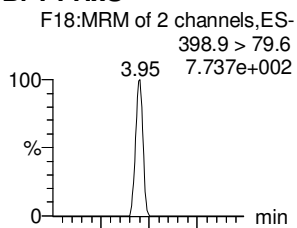
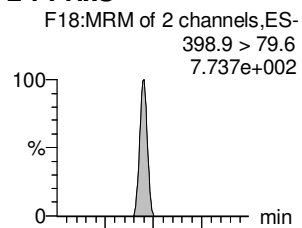
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

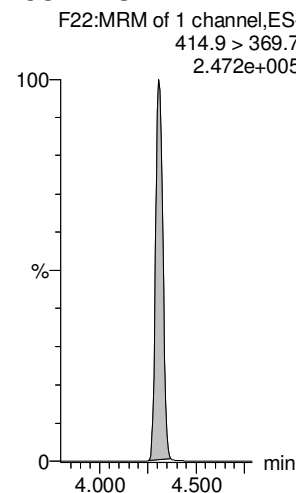
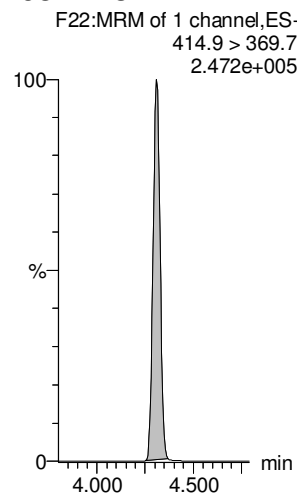
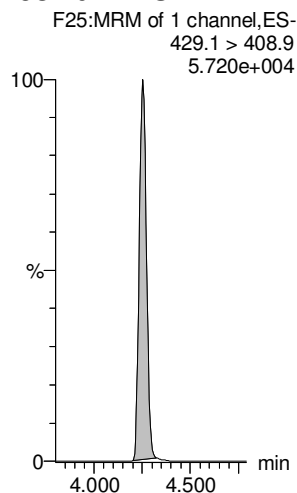
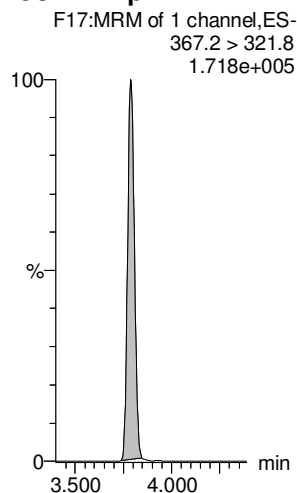
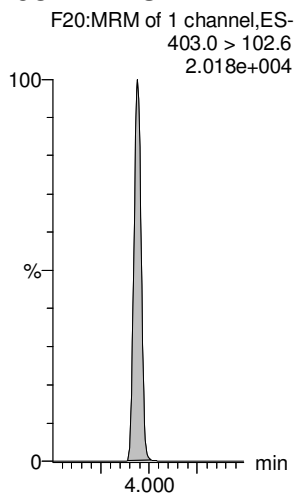
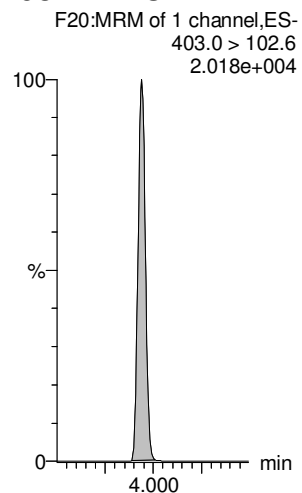
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



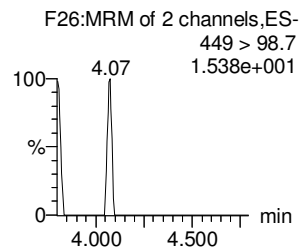
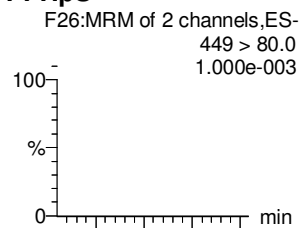
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Last Altered: Wednesday, May 30, 2018 11:43:51 Pacific Daylight Time

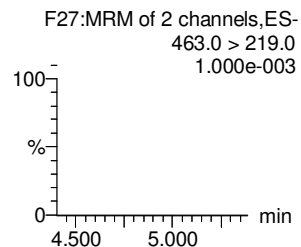
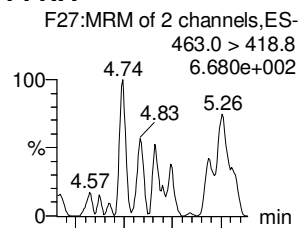
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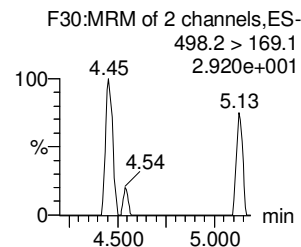
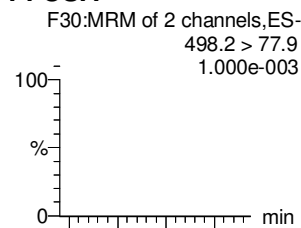
PFHpS



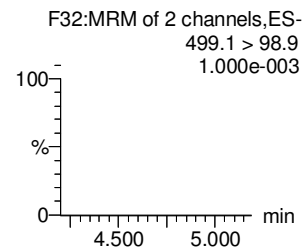
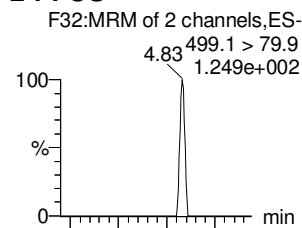
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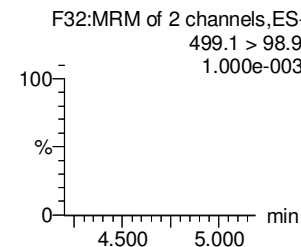
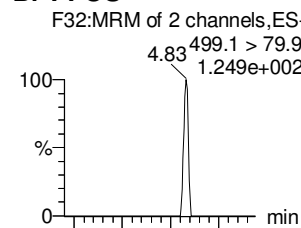
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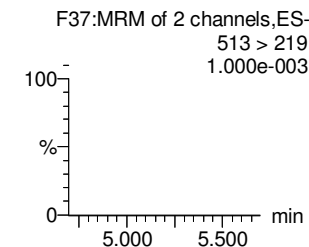
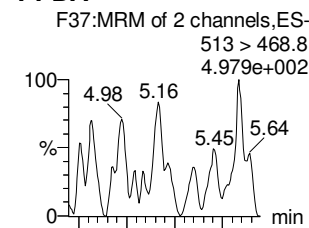
L-PFOS



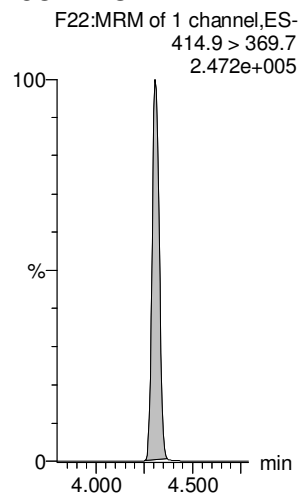
Br-PFOS



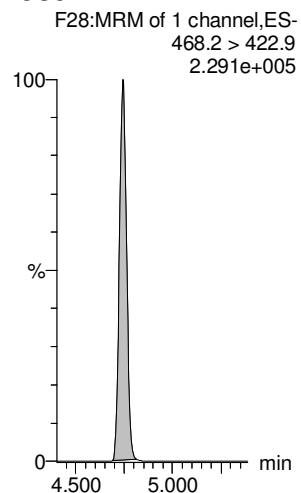
PFDA



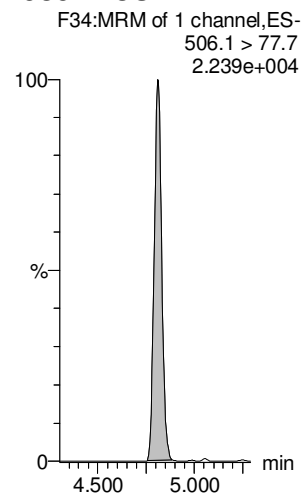
13C2-PFOA



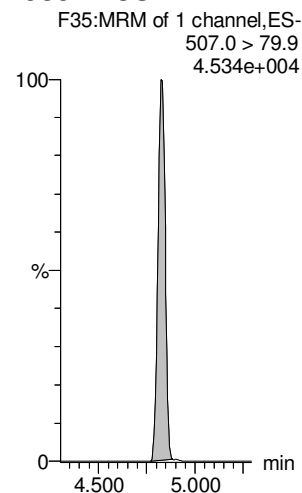
13C5-PFNA



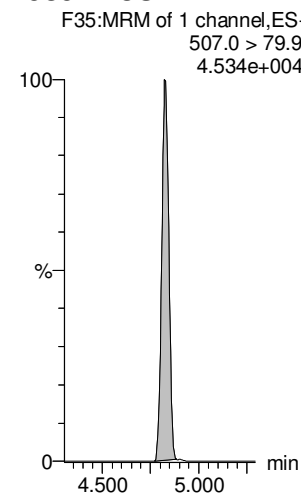
13C8-PFOA



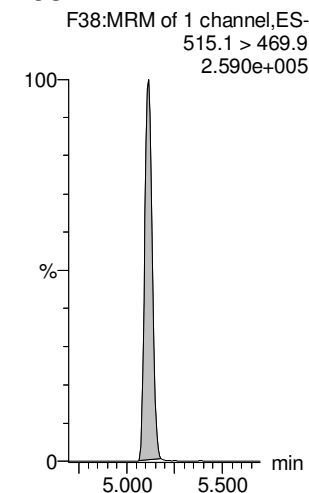
13C8-PFOS



13C8-PFOS



13C2-PFDA



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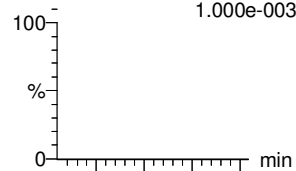
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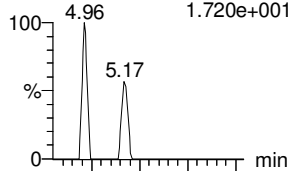
8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
1.000e-003



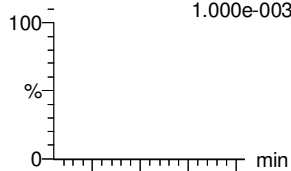
PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
1.720e+001



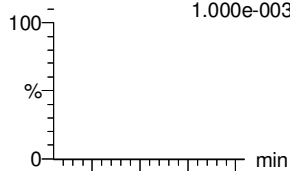
L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
1.000e-003



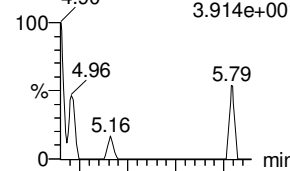
Br-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
1.000e-003



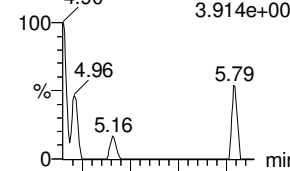
L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
3.914e+001

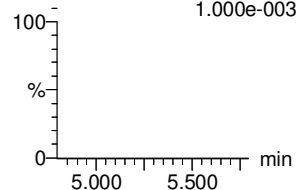


Br-ETFOSAA

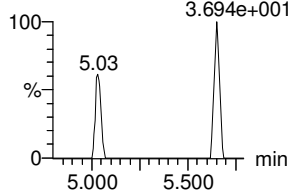
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584.2 > 419
3.914e+001



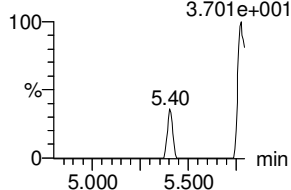
F42:MRM of 2 channels,ES-
527 > 80
1.000e-003



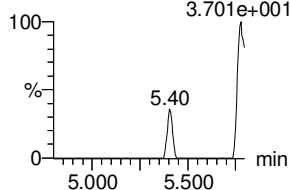
F45:MRM of 2 channels,ES-
549.1 > 99.1
3.694e+001



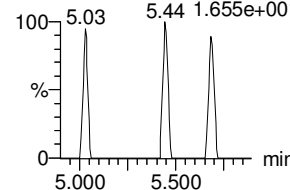
F48:MRM of 2 channels,ES-
570.1 > 483.0
3.701e+001



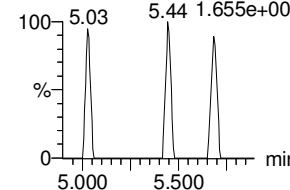
F48:MRM of 2 channels,ES-
570.1 > 483.0
3.701e+001



F51:MRM of 2 channels,ES-
584.2 > 483.0
1.655e+001

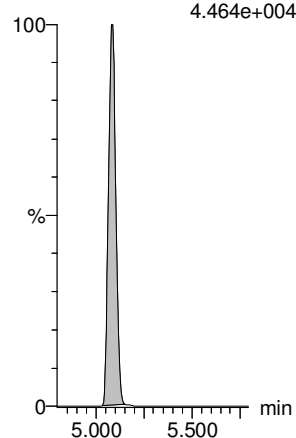


F51:MRM of 2 channels,ES-
584.2 > 483.0
1.655e+001



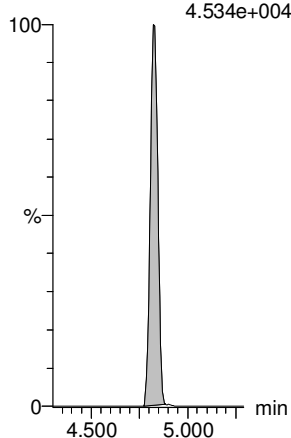
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
4.464e+004



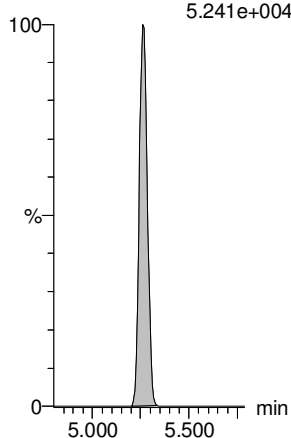
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
4.534e+004



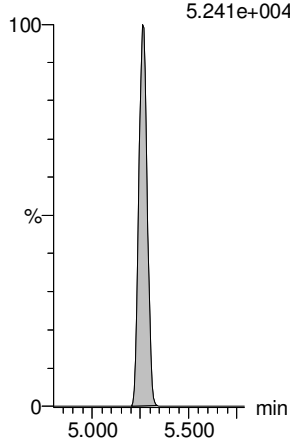
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
5.241e+004



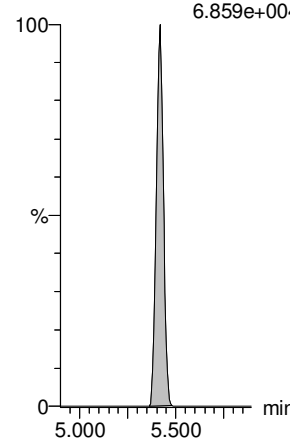
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
5.241e+004



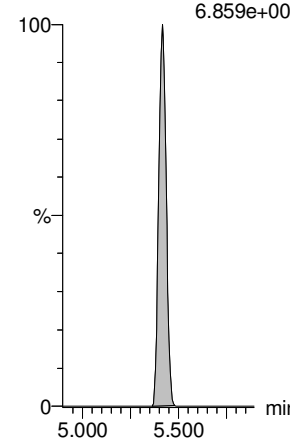
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
6.859e+004



d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
6.859e+004



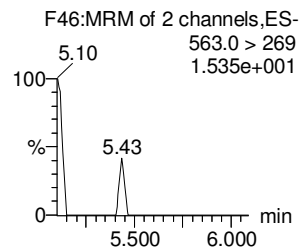
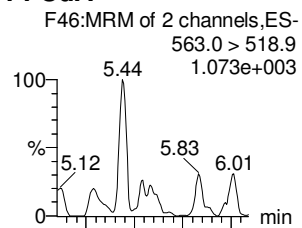
Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-115.qld

Last Altered: Wednesday, May 30, 2018 11:43:51 Pacific Daylight Time

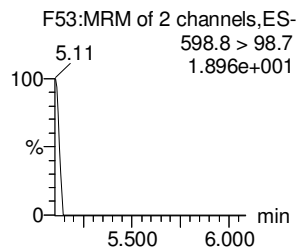
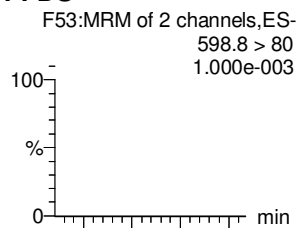
Printed: Wednesday, May 30, 2018 11:44:34 Pacific Daylight Time

Name: 180528M1_115, Date: 29-May-2018, Time: 11:45:59, ID: 1801010-15 MW0091516180518MK 0.125, Description: MW0091516180518MK

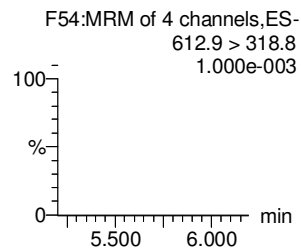
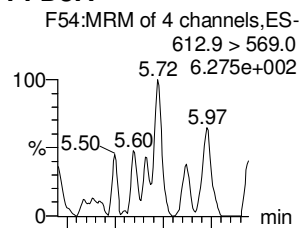
PFUdA



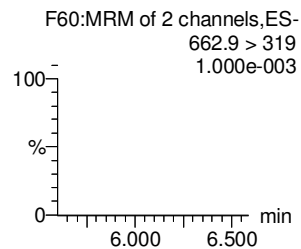
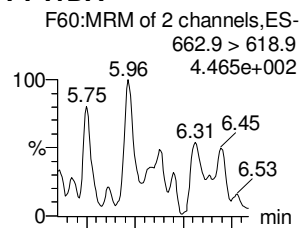
PFDS



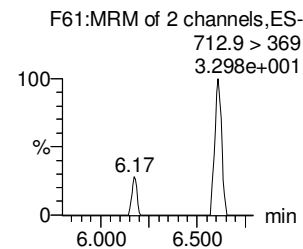
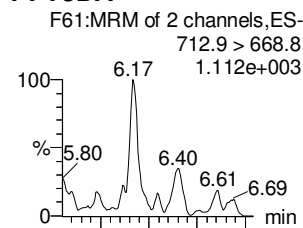
PFDoA



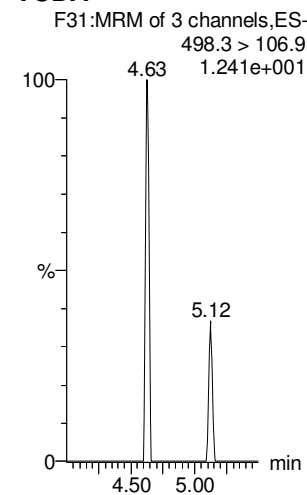
PFTrDA



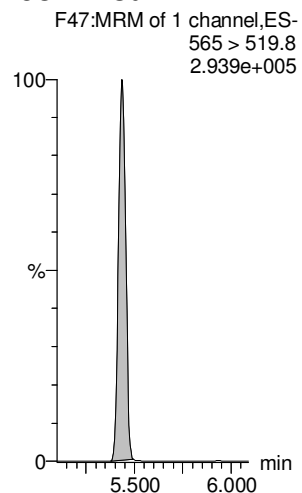
PFTeDA



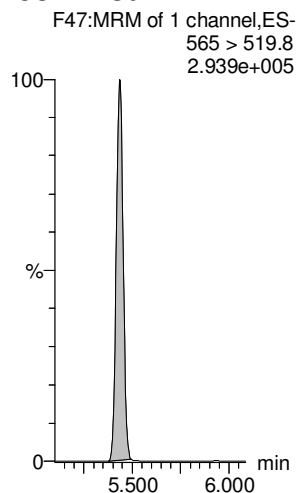
TCDA



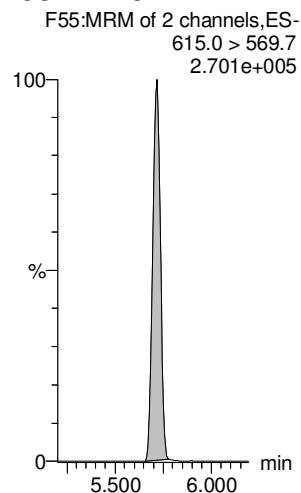
13C2-PFUdA



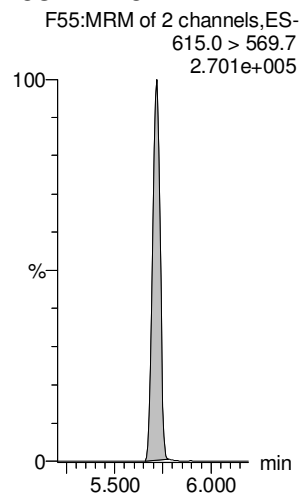
13C2-PFUdA



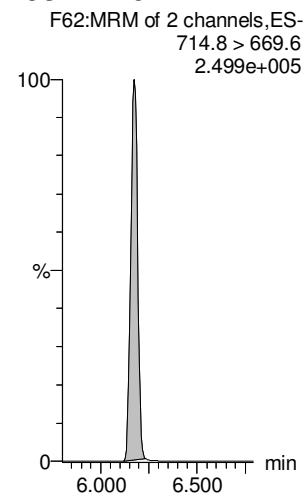
13C2-PFDoA



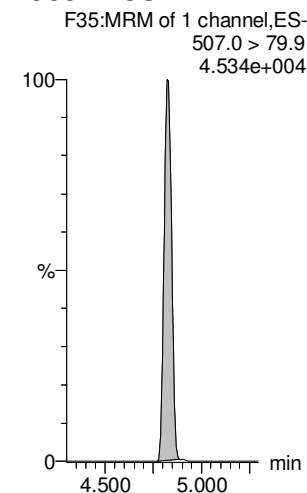
13C2-PFDoA



13C2-PFTeDA



13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\180528M1\180528M1-115.qld

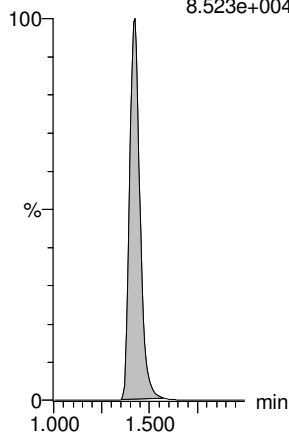
Last Altered: Wednesday, May 30, 2018 11:43:51 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 11:44:34 Pacific Daylight Time

Name: 180528M1_115, Date: 29-May-2018, Time: 11:45:59, ID: 1801010-15 MW0091516180518MK 0.125, Description: MW0091516180518MK

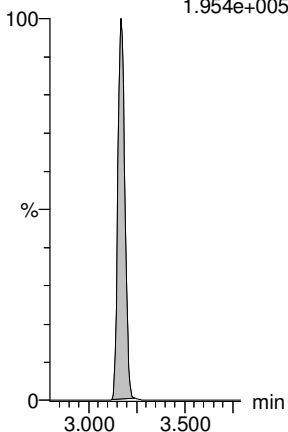
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
8.523e+004



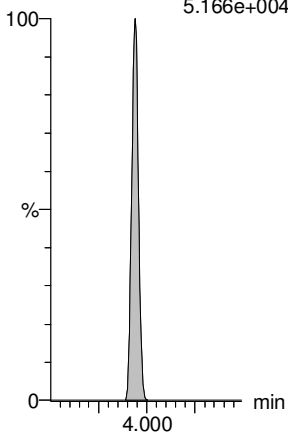
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
1.954e+005



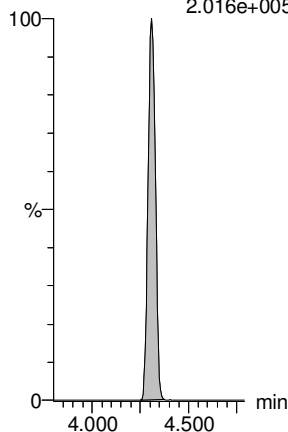
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
5.166e+004



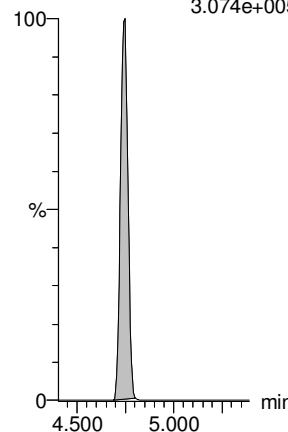
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
2.016e+005



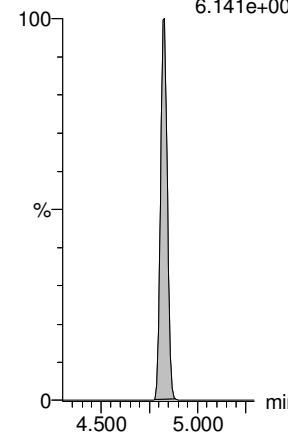
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
3.074e+005



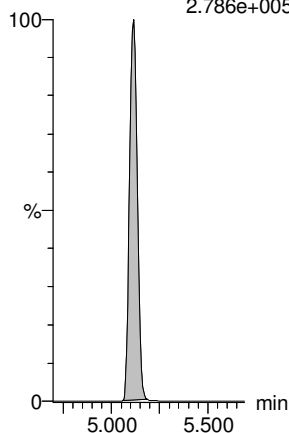
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
6.141e+004



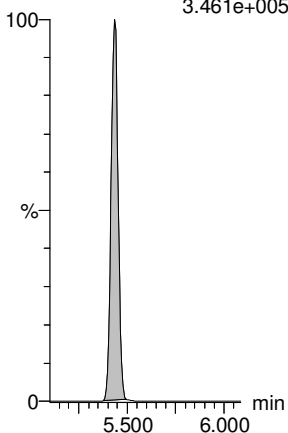
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.786e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
3.461e+005



CONTINUING CALIBRATION

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-90.qld

Last Altered: Wednesday, May 30, 2018 12:28:27 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:28:59 Pacific Daylight Time

PFAS ABOVE CRITERIA Limit

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_90, Date: 29-May-2018, Time: 07:24:25, ID: ST180528M1-15 PFC CS3 18E2207, Description: PFC CS3 18E2207

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 16...	1.01e4	1.14e4		1.40	1.40	11.0	9.75	97.5	NO		
2	2 PFPeA	263.1 > 21...	1.26e4	1.69e4		2.38	2.38	9.28	8.91	89.1	NO		
3	3 PFBS	299.0 > 79.7	3.17e3	2.15e3		2.67	2.67	18.5	10.2	102.2	NO	2.691	NO
4	4 4:2 FTS	327.2>307.2	3.31e3	4.16e3		3.07	3.07	9.95	9.52	95.2	NO	1.726	NO
5	5 PFHxA	313.2 > 26...	1.68e4	5.96e3		3.16	3.16	14.1	10.9	108.6	NO	266.367	NO
6	6 PFPeS	349.1>80.1	3.02e3	2.15e3		3.36	3.36	17.6	9.60	96.0	NO	1.640	NO
7	7 PFHpA	363.0 > 31...	1.70e4	1.71e4		3.78	3.78	12.5	10.5	104.8	NO	23.731	NO
8	8 L-PFHxS	398.9 > 79.6	2.63e3	1.82e3		3.93	3.93	18.0	10.1	101.1	NO	1.867	NO
9	10 6:2 FTS	427.1 > 407	4.32e3	4.93e3		4.23	4.24	10.9	10.9	108.8	NO	3.026	NO
10	11 L-PFOA	413 > 368.7	2.27e4	2.57e4		4.40	4.30	11.1	12.9	129.4	NO	5.546	NO
11	13 PFHpS	449 > 80.0	3.37e3	2.57e4		4.40	4.41	1.64	10.3	103.0	NO	1.825	NO
12	14 PFNA	463.0 > 41...	2.25e4	2.30e4		4.73	4.74	12.2	9.62	96.2	NO	4.793	NO
13	15 PFOSA	498.2 > 77.9	3.49e3	5.01e3		4.79	4.80	8.69	8.88	88.8	NO	27.548	NO
14	16 L-PFOS	499.1 > 79.9	3.37e3	4.77e3		4.81	4.82	8.83	10.2	102.0	NO	1.891	NO
15	18 PFDA	513 > 468.8	2.53e4	3.19e4		5.10	5.11	9.91	9.52	95.2	NO	6.306	NO
16	19 8:2 FTS	527 > 506.9	4.59e3	4.36e3		5.07	5.08	13.2	9.86	98.6	NO	2.667	NO
17	20 PFNS	549.1>80.1	3.07e3	4.77e3		5.16	5.17	8.05	10.1	101.0	NO	1.747	NO
18	21 L-MeFOSAA	570.1 > 419	8.89e3	7.45e3		5.25	5.26	14.9	11.2	112.1	NO	14.481	NO
19	23 L-EtFOSAA	584.2 > 419	6.85e3	8.29e3		5.41	5.42	10.3	10.4	104.5	NO	13.030	NO

JAR 5/30/18

VAF 5/30/18

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-90.qld

Last Altered: Wednesday, May 30, 2018 12:28:27 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:29:08 Pacific Daylight Time

(A) ABOVE CRITERIA (limit)

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_90, Date: 29-May-2018, Time: 07:24:25, ID: ST180528M1-15 PFC CS3 18E2207, Description: PFC CS3 18E2207

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	25 PFUDa	563.0 > 51...	2.87e4	3.12e4		5.42	5.43	11.5	12.9	129.1	NO	16.544	NO
2	26 PFDS	598.8 > 80	3.65e3	3.12e4		5.47	5.48	1.46	13.5	134.5	YES (A)	1.957	NO
3	27 PFDa	612.9 > 56...	2.77e4	3.24e4		5.70	5.71	10.7	10.2	102.1	NO	8.768	NO
4	28 N-MeFOSA	512.1 > 16...	7.20e3	2.04e4		5.87	5.88	52.8	44.5	88.9	NO	1.325	NO
5	29 PFTTrDA	662.9 > 61...	3.03e4	3.24e4		5.95	5.96	11.7	9.33	93.3	NO	33.683	NO
6	30 PFTeDA	712.9 > 66...	2.57e4	2.28e4		6.17	6.17	14.1	10.3	103.0	NO	12.174	NO
7	31 N-EtFOSA	526.1 > 16...	9.32e3	2.91e4		6.27	6.29	48.0	56.2	112.5	NO	1.434	NO
8	32 PFHxDA	813.1 > 76...	2.02e4	1.53e4		6.50	6.50	6.59	8.78	87.8	NO	49.178	NO
9	33 PFODA	913.1 > 86...	2.47e4	1.53e4		6.73	6.73	8.06	9.23	92.3	NO		
10	34 N-MeFOSE	616.1 > 58.9	4.41e3	1.46e4		6.42	6.42	45.3	49.0	97.9	NO		
11	35 N-EtFOSE	630.1 > 58.9	5.27e3	1.41e4		6.57	6.57	55.9	49.6	99.3	NO		
12	36 13C3-PFBA	216.1 > 17...	1.14e4	1.32e4	0.847	1.39	1.40	10.8	12.8	102.2	NO		
13	37 13C3-PFPeA	266. > 221.8	1.69e4	2.18e4	0.852	2.37	2.38	9.70	11.4	91.1	NO		
14	38 13C3-PFBS	302. > 98.8	2.15e3	2.18e4	0.102	2.66	2.67	1.23	12.1	97.1	NO		
15	39 13C2-4:2 FTS	329.2>308.9	4.16e3	2.18e4	0.233	3.06	3.07	2.38	10.2	81.7	NO		
16	40 13C2-PFHxA	315 > 269.8	5.96e3	2.18e4	0.720	3.15	3.16	3.41	4.73	94.7	NO		
17	41 13C4-PFHpA	367.2 > 32...	1.71e4	2.18e4	0.795	3.76	3.78	9.79	12.3	98.5	NO		
18	42 18O2-PFHxS	403.0 > 10...	1.82e3	4.17e3	0.421	3.92	3.93	5.47	13.0	104.0	NO		
19	43 13C2-6:2 FTS	429.1 > 40...	4.93e3	1.99e4	0.280	4.23	4.24	3.10	11.0	88.4	NO		
20	44 13C2-PFOA	414.9 > 36...	2.57e4	1.99e4	1.477	4.29	4.30	16.2	10.9	87.4	NO		
21	45 13C5-PFNA	468.2 > 42...	2.30e4	2.16e4	0.955	4.73	4.73	13.3	14.0	111.7	NO		
22	46 13C8-PFOSA	506.1 > 77.7	5.01e3	3.13e4	0.151	4.79	4.80	2.00	13.2	105.8	NO		
23	47 13C8-PFOS	507.0 > 79.9	4.77e3	4.63e3	1.023	4.81	4.82	12.9	12.6	100.8	NO		
24	48 13C2-PFDA	515.1 > 46...	3.19e4	2.80e4	1.200	5.10	5.11	14.3	11.9	95.0	NO		
25	49 13C2-8:2 FTS	529.1 > 50...	4.36e3	2.18e4	0.224	5.07	5.08	2.50	11.2	89.2	NO		
26	50 d3-N-MeFOSAA	573.3 > 419	7.45e3	3.13e4	0.231	5.25	5.25	2.97	12.9	102.8	NO		
27	51 d5-N-EtFOSAA	589.3 > 419	8.29e3	3.13e4	0.259	5.41	5.41	3.30	12.8	102.2	NO		
28	52 13C2-PFUDa	565 > 519.8	3.12e4	3.13e4	0.996	5.42	5.43	12.4	12.5	99.9	NO		
29	53 13C2-PFDa	615.0 > 56...	3.24e4	2.80e4	1.247	5.70	5.71	14.5	11.6	92.8	NO		
30	54 d3-N-MeFOSA	515.2 > 16...	2.04e4	3.13e4	0.053	5.90	5.91	8.15	154	102.9	NO		
31	55 13C2-PFTeDA	714.8 > 66...	2.28e4	3.13e4	0.792	6.17	6.17	9.10	11.5	91.9	NO		
32	56 d5-N-ETFOSA	531.1 > 16...	2.91e4	3.13e4	0.076	6.29	6.30	11.6	153	101.7	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-90.qld

Last Altered: Wednesday, May 30, 2018 12:28:27 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:29:08 Pacific Daylight Time

Name: 180528M1_90, Date: 29-May-2018, Time: 07:24:25, ID: ST180528M1-15 PFC CS3 18E2207, Description: PFC CS3 18E2207

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
33	57	13C2-PFHxDA	815 > 769.7	1.53e4	3.13e4	1.211	6.50	6.50	6.12	5.05	101.1	NO		
34	58	d7-N-MeFOSE	623.1 > 58.9	1.46e4	3.13e4	0.040	6.42	6.42	5.83	144	96.3	NO		
35	59	d9-N-EtFOSE	639.2 > 58.8	1.41e4	3.13e4	0.041	6.56	6.56	5.64	138	92.1	NO		
36	60	13C4-PFBA	217. > 171.8	1.32e4	1.32e4	1.000	1.39	1.40	12.5	12.5	100.0	NO		
37	61	13C5-PFHxA	318 > 272.9	2.18e4	2.18e4	1.000	3.14	3.16	12.5	12.5	100.0	NO		
38	62	13C3-PFHxS	401.9 > 79.9	4.17e3	4.17e3	1.000	3.92	3.93	12.5	12.5	100.0	NO		
39	63	13C8-PFOA	421.3 > 376	1.99e4	1.99e4	1.000	4.29	4.30	12.5	12.5	100.0	NO		
40	64	13C9-PFNA	472.2 > 42...	2.16e4	2.16e4	1.000	4.72	4.73	12.5	12.5	100.0	NO		
41	65	13C4-PFOS	503 > 79.9	4.63e3	4.63e3	1.000	4.81	4.82	12.5	12.5	100.0	NO		
42	66	13C6-PFDA	519.1 > 47...	2.80e4	2.80e4	1.000	5.10	5.11	12.5	12.5	100.0	NO		
43	67	13C7-PFUdA	570.1 > 52...	3.13e4	3.13e4	1.000	5.42	5.43	12.5	12.5	100.0	NO		

Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 12:51:10 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:52:16 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	180528M1_2	IPA	28-May-18	15:03:00
2	180528M1_3	ST180528M1-1 PFC CS-2 18E2202	28-May-18	16:14:14
3	180528M1_4	ST180528M1-2 PFC CS-1 18E2203	28-May-18	16:24:43
4	180528M1_5	ST180528M1-3 PFC CS0 18E2204	28-May-18	16:35:07
5	180528M1_6	ST180528M1-4 PFC CS1 18E2205	28-May-18	16:45:38
6	180528M1_7	ST180528M1-5 PFC CS2 18E2206	28-May-18	16:56:03
7	180528M1_8	ST180528M1-6 PFC CS3 18E2207	28-May-18	17:06:33
8	180528M1_9	ST180528M1-7 PFC CS4 18E2208	28-May-18	17:16:59
9	180528M1_10	ST180528M1-8 PFC CS5 18E2209	28-May-18	17:27:29
10	180528M1_11	ST180528M1-9 PFC CS6 18E2210	28-May-18	17:37:54
11	180528M1_12	ST180528M1-10 PFC CS7 18E2211	28-May-18	17:48:24
12	180528M1_13	IPA	28-May-18	17:58:48
13	180528M1_14	ICV180528M1-1 PFC 537 ICV 18E1401	28-May-18	18:09:21
14	180528M1_15	B8E0208-BS1 OPR 0.125	28-May-18	18:19:49
15	180528M1_16	B8E0208-BLK1 Method Blank 0.125	28-May-18	18:30:14
16	180528M1_17	B8E0208-MS1 Matrix Spike 0.12124	28-May-18	18:40:44
17	180528M1_18	B8E0208-MSD1 Matrix Spike Dup 0.1203	28-May-18	18:51:09
18	180528M1_19	B8E0208-MS2 Matrix Spike 0.12001	28-May-18	19:01:40
19	180528M1_20	B8E0208-MSD2 Matrix Spike Dup 0.117...	28-May-18	19:12:04
20	180528M1_21	1801023-01 KISWR-DUP1_052018 0.1...	28-May-18	19:22:35
21	180528M1_22	1801023-02 KISWR-DUP2_052118 0.1...	28-May-18	19:33:05
22	180528M1_23	1801023-03 KISWR-EB001-052018 0.1...	28-May-18	19:43:29
23	180528M1_24	1801023-04 KISWR-FT007-010-052118...	28-May-18	19:53:59
24	180528M1_25	1801023-05 KISWR-FT007-011-052118...	28-May-18	20:04:24
25	180528M1_26	1801023-06 KISWR-FT007-013-052118...	28-May-18	20:14:54
26	180528M1_27	1801023-07 KISWR-FT007-014-05201...	28-May-18	20:25:18
27	180528M1_28	1801023-08 KISWR-FT007-015-05201...	28-May-18	20:35:49
28	180528M1_29	1801023-09 KISWR-FT007-016-05201...	28-May-18	20:46:14
29	180528M1_30	1801023-10 KISWR- LAB DI Water_FB...	28-May-18	20:56:44
30	180528M1_31	1801023-11 STUMP- NORTH-SW-0521...	28-May-18	21:07:09
31	180528M1_32	1801023-12 STUMP- SOUTH-SW-0521...	28-May-18	21:17:39
32	180528M1_33	IPA	28-May-18	21:28:04

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Last Altered: Wednesday, May 30, 2018 12:51:10 Pacific Daylight Time

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Compound name: PFBA

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34	34 180528M1_35	IPA	28-May-18	21:49:00
35	35 180528M1_36	B8E0063-BS1 OPR 0.25	28-May-18	21:59:30
36	36 180528M1_37	B8E0063-BLK1 Method Blank 0.25	28-May-18	22:09:55
37	37 180528M1_38	1800884-01 S04308K3 0.26352	28-May-18	22:20:25
38	38 180528M1_39	1800886-01 WT1805011500KE 0.27	28-May-18	22:30:50
39	39 180528M1_40	1800886-02 WT1805011630MK 0.28215	28-May-18	22:41:20
40	40 180528M1_41	1800886-03 WT1805011645KE 0.27187	28-May-18	22:51:44
41	41 180528M1_42	1800886-04 WT1805011705KE 0.26023	28-May-18	23:02:15
42	42 180528M1_43	1800886-05 WR1805011715KE 0.261	28-May-18	23:12:45
43	43 180528M1_44	1800886-06 WT1805020950KE 0.27286	28-May-18	23:23:10
44	44 180528M1_45	1800886-07 WT1805021525KE 0.27126	28-May-18	23:33:40
45	45 180528M1_46	1800893-01 FB1805011535MK 0.25595	28-May-18	23:44:05
46	46 180528M1_47	1800893-02 WT1805011545KE 0.27247	28-May-18	23:54:36
47	47 180528M1_48	1800893-04 WT1805011610KE 0.26048	29-May-18	00:05:01
48	48 180528M1_49	IPA	29-May-18	00:15:31
49	49 180528M1_50	ST180528M1-12 PFC CS3 18E2207	29-May-18	00:25:55
50	50 180528M1_51	IPA	29-May-18	00:36:25
51	51 180528M1_52	1800893-03 WT1805011555KE 0.26881	29-May-18	00:46:50
52	52 180528M1_53	1800893-05 WT1805011735KE 0.27122	29-May-18	00:57:20
53	53 180528M1_54	1800893-06 WT1805011745KE 0.26008	29-May-18	01:07:50
54	54 180528M1_55	1800893-07 WT1805020810KE 0.26992	29-May-18	01:18:15
55	55 180528M1_56	1800893-08 WR1805020830KE 0.27433	29-May-18	01:28:45
56	56 180528M1_57	1800893-09 WT1805020845KE 0.26534	29-May-18	01:39:15
57	57 180528M1_58	1800893-10 WT1805020910KE 0.26614	29-May-18	01:49:41
58	58 180528M1_59	1800895-01 SW-1 0.12978	29-May-18	02:00:11
59	59 180528M1_60	B8E0097-BS1 OPR 0.25	29-May-18	02:10:36
60	60 180528M1_61	B8E0097-BS1 LCSD 0.25	29-May-18	02:21:06
61	61 180528M1_62	B8E0097-BLK1 Method Blank 0.25	29-May-18	02:31:31
62	62 180528M1_63	1800863-01 Bemidji Pilot APR2 lead 0.2...	29-May-18	02:42:01
63	63 180528M1_64	1800863-02 Bemidji Pilot PSR2 + 0.26433	29-May-18	02:52:26
64	64 180528M1_65	1800863-03 Bemidji Pilot INF 0.26399	29-May-18	03:02:56
65	65 180528M1_66	IPA	29-May-18	03:13:21
66	66 180528M1_67	ST180528M1-13 PFC CS3 18E2207	29-May-18	03:23:51
67	67 180528M1_68	ST180528M1-14 PFC CS0 18E2204	29-May-18	03:34:16
68	68 180528M1_69	IPA	29-May-18	03:44:46

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Compound name: PFBA

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70	70 180528M1_71	1800901-02 ACT Sample -19 0.23487	29-May-18	04:05:40
71	71 180528M1_72	B8E0099-BS1 OPR 0.25	29-May-18	04:16:04
72	72 180528M1_73	B8E0099-BS1 LCS1 0.25	29-May-18	04:26:35
73	73 180528M1_74	B8E0099-BLK1 Method Blank 0.25	29-May-18	04:37:00
74	74 180528M1_75	1800890-01 ACT Sample-10 0.24206	29-May-18	04:47:30
75	75 180528M1_76	1800890-02 ACT Sample-13 0.23172	29-May-18	04:58:00
76	76 180528M1_77	B8E0107-BS1 OPR 0.25	29-May-18	05:08:25
77	77 180528M1_78	B8E0107-BLK1 Method Blank 0.25	29-May-18	05:18:55
78	78 180528M1_79	B8E0107-MS1 Matrix Spike 0.24428	29-May-18	05:29:25
79	79 180528M1_80	B8E0107-MSD1 Matrix Spike Dup 0.259...	29-May-18	05:39:49
80	80 180528M1_81	B8E0107-MS2 Matrix Spike 0.25565	29-May-18	05:50:20
81	81 180528M1_82	B8E0107-MSD2 Matrix Spike Dup 0.250...	29-May-18	06:00:44
82	82 180528M1_83	1800905-01 MW-15 0.24279	29-May-18	06:11:14
83	83 180528M1_84	1800905-02 MW-15S 0.26385	29-May-18	06:21:39
84	84 180528M1_85	1800905-03 AHL S 0.25415	29-May-18	06:32:09
85	85 180528M1_86	1800905-04 MW-16 0.2575	29-May-18	06:42:34
86	86 180528M1_87	1800905-05 MW-13 0.24776	29-May-18	06:53:04
87	87 180528M1_88	1800905-06 MW-3D 0.24351	29-May-18	07:03:29
88	88 180528M1_89	IPA	29-May-18	07:14:00
89	89 180528M1_90	ST180528M1-15 PFC CS3 18E2207	29-May-18	07:24:25
90	90 180528M1_91	IPA	29-May-18	07:34:55
91	91 180528M1_92	1800905-07 MW-3S 0.24635	29-May-18	07:45:20
92	92 180528M1_93	1800905-08 MW-19 0.25231	29-May-18	07:55:51
93	93 180528M1_94	1800905-09 MW-19 (23.5-28.5) 0.24666	29-May-18	08:06:15
94	94 180528M1_95	1800905-10 MW-28 0.24805	29-May-18	08:16:45
95	95 180528M1_96	B8E0210-BS1 OPR 0.125	29-May-18	08:27:09
96	96 180528M1_97	B8E0210-BLK1 Method Blank 0.125	29-May-18	08:37:40
97	97 180528M1_98	1801010-01 GSUMW0050510180516G...	29-May-18	08:48:10
98	98 180528M1_99	1801010-02 MW0081819180517GSC 0...	29-May-18	08:58:35
99	99 180528M1_100	1801010-03 MW0083738180517RAP 0...	29-May-18	09:09:05
100	1... 180528M1_101	1801010-04 MW0052021180517MK 0.1...	29-May-18	09:19:30
101	1... 180528M1_102	1801010-05 MW0056061180517RAP 0....	29-May-18	09:30:00
102	1... 180528M1_103	1801010-06 MW0071920180517RAP 0...	29-May-18	09:40:22
103	1... 180528M1_104	IPA	29-May-18	09:50:52
104	1... 180528M1_105	ST180528M1-16 PFC CS3 18E2207	29-May-18	10:01:17

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Compound name: PFBA

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107	1... 180528M1_108	1801010-08 MW0065051180517RAP 0....	29-May-18	10:32:42
108	1... 180528M1_109	1801010-09 MW0060510180517GSC 0...	29-May-18	10:43:08
109	1... 180528M1_110	1801010-10 MW0010308180518GSC 0...	29-May-18	10:53:38
110	1... 180528M1_111	1801010-11 MW0030207180518GSC 0...	29-May-18	11:04:03
111	1... 180528M1_112	1801010-12 MW0034647180518RAP 0...	29-May-18	11:14:34
112	1... 180528M1_113	1801010-13 GSUMW0031116180518G...	29-May-18	11:25:04
113	1... 180528M1_114	1801010-14 MW0093233180518RAP 0...	29-May-18	11:35:29
114	1... 180528M1_115	1801010-15 MW0091516180518MK 0....	29-May-18	11:45:59
115	1... 180528M1_116	IPA	29-May-18	11:56:24
116	1... 180528M1_117	ST180528M1-17 PFC CS3 18E2207	29-May-18	12:06:54
117	1... 180528M1_118	IPA	29-May-18	12:17:25

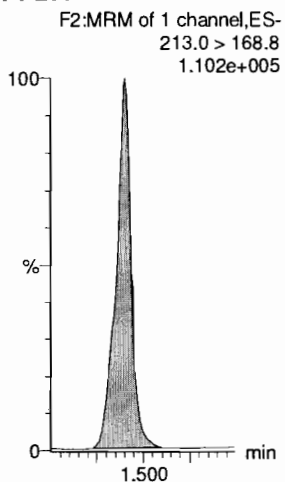
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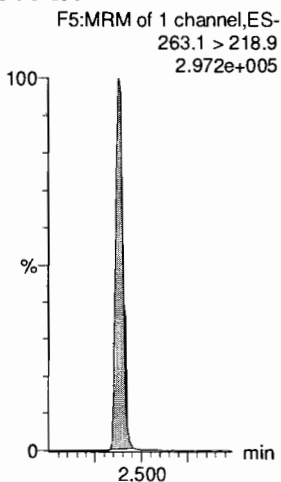
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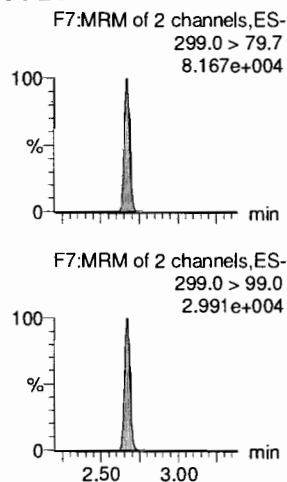
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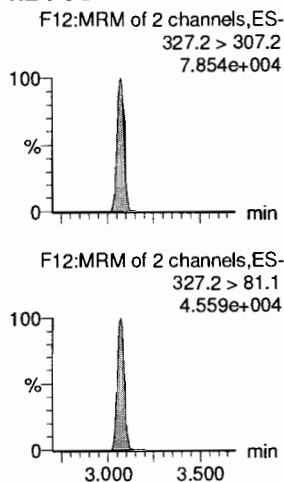
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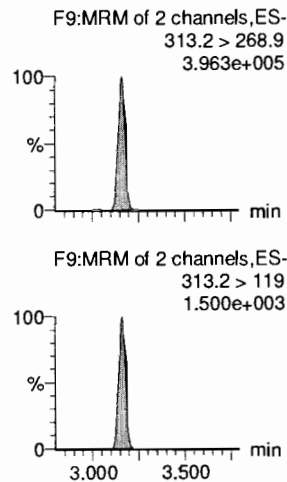
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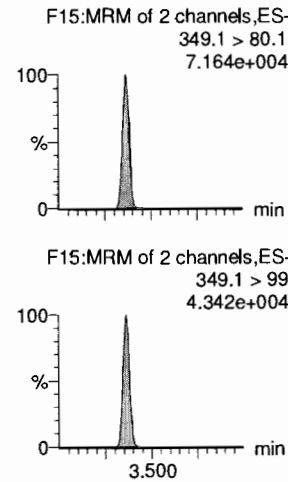
4:2 FTS



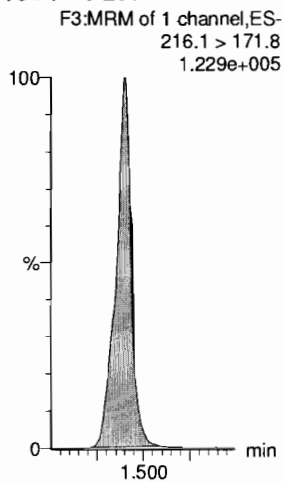
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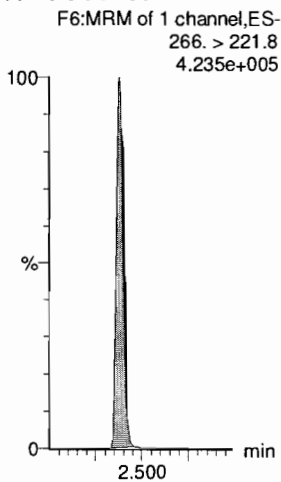
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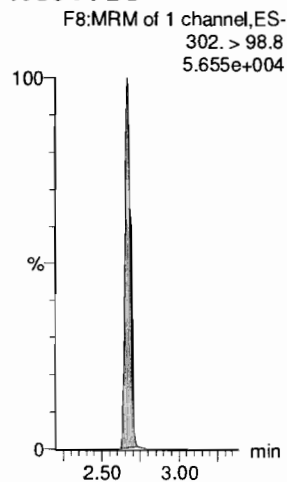
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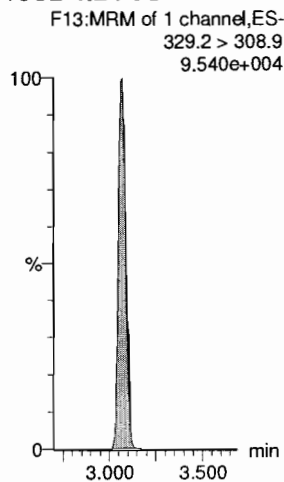
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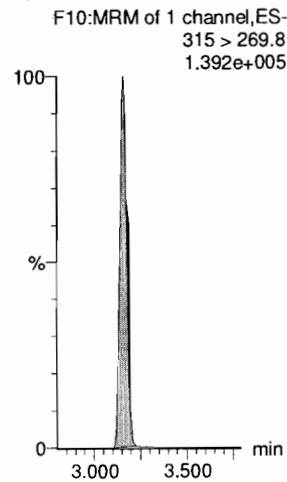
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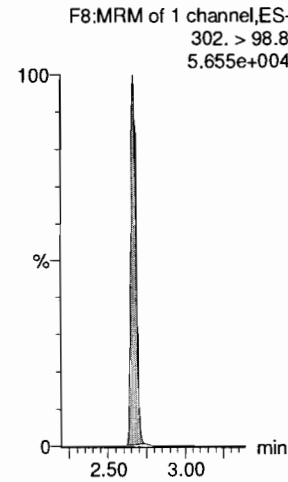
13C2-4:2 FTS



13C2-PFHxA



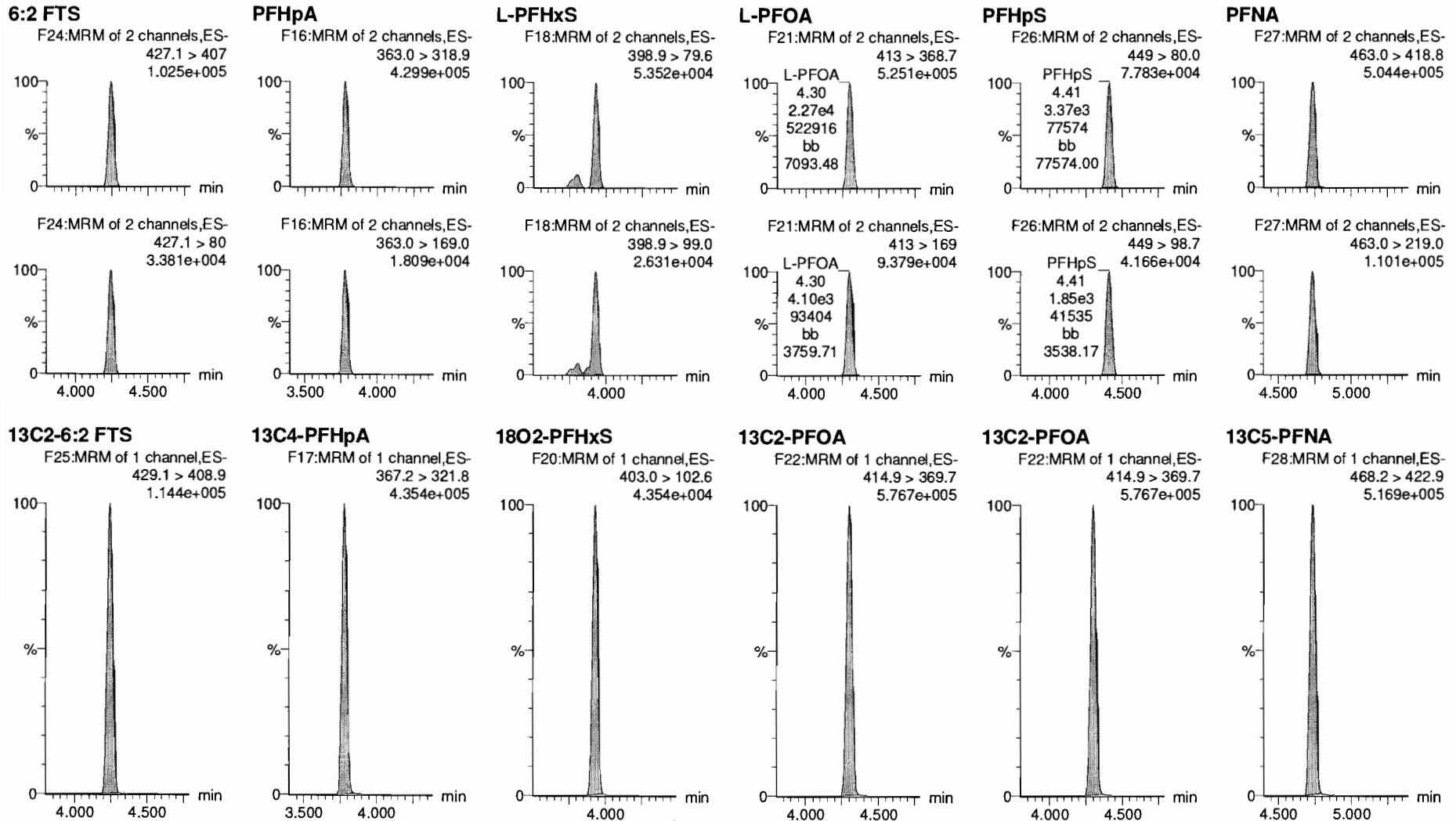
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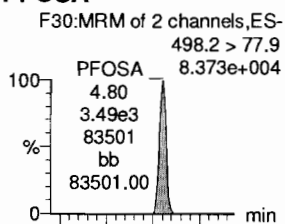
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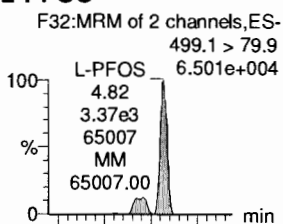
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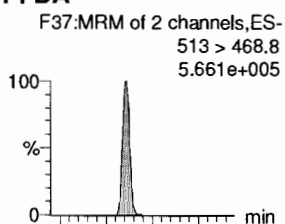
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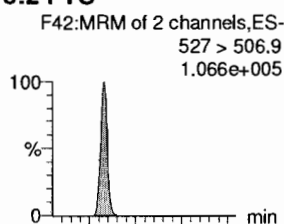
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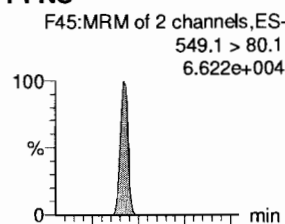
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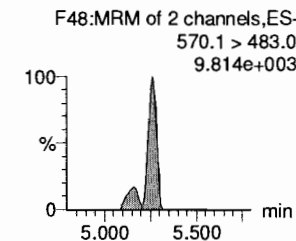
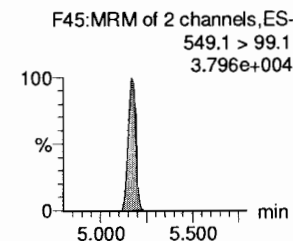
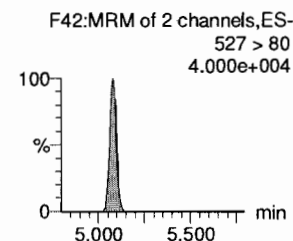
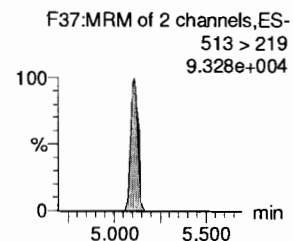
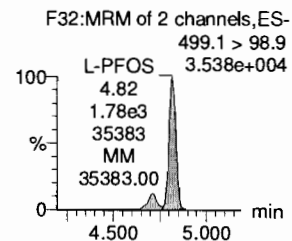
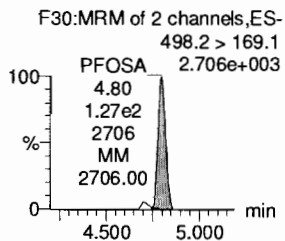
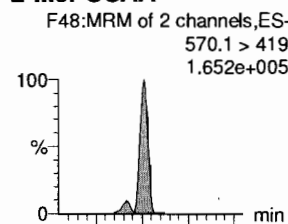
8:2 FTS



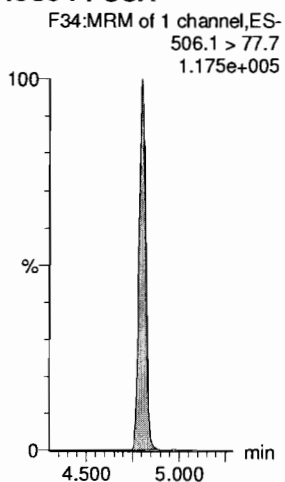
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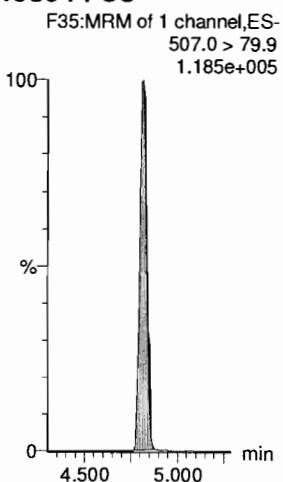
L-MeFOSAA



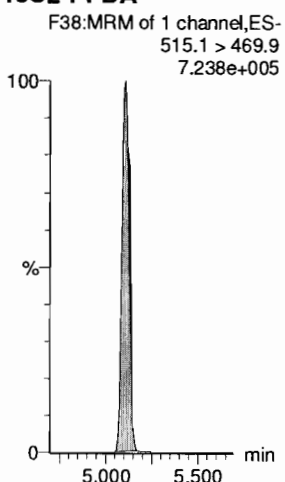
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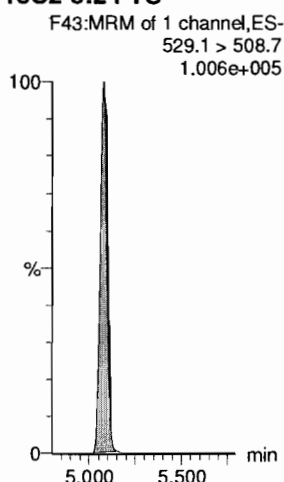
13C8-PFOS



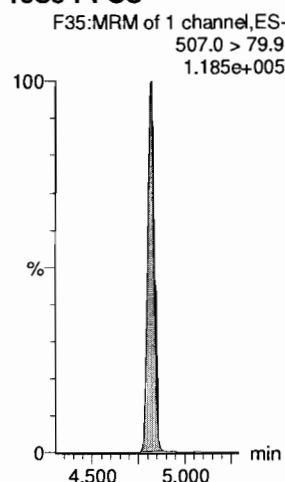
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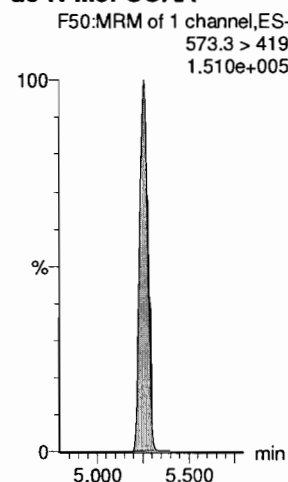
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13C8-PFOS



d3-N-MeFOSAA



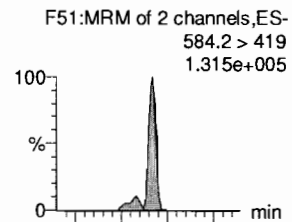
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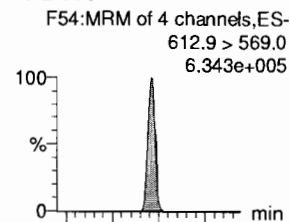
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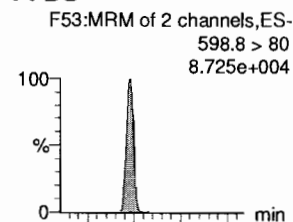
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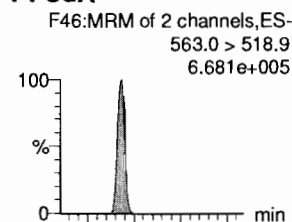
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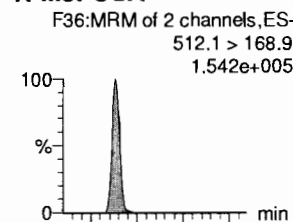
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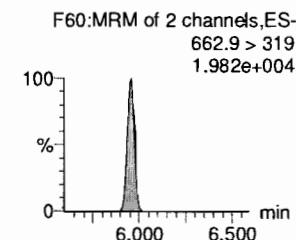
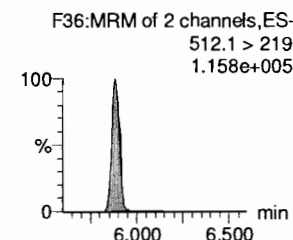
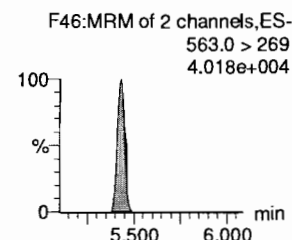
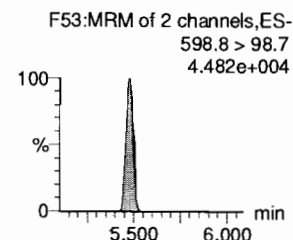
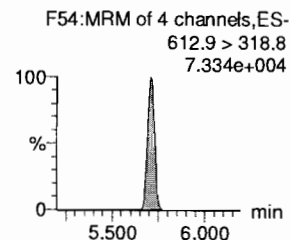
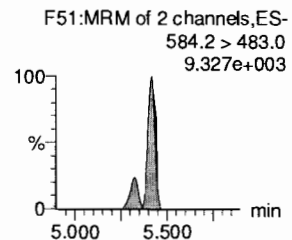
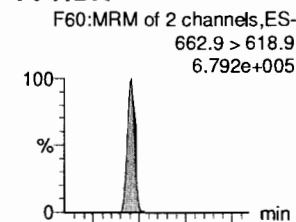
PFUdA



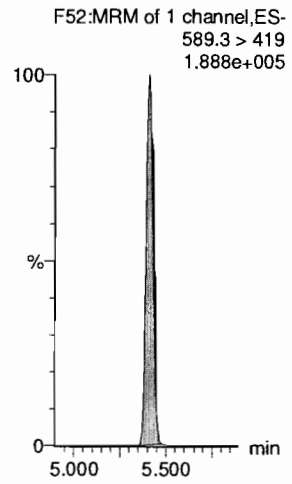
N-MeFOSA



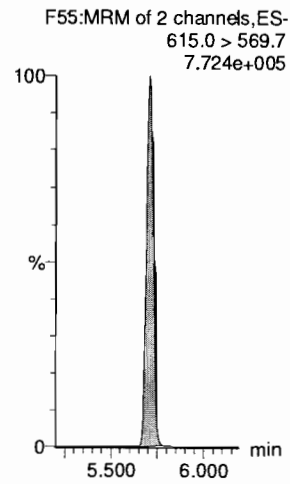
PFTrDA



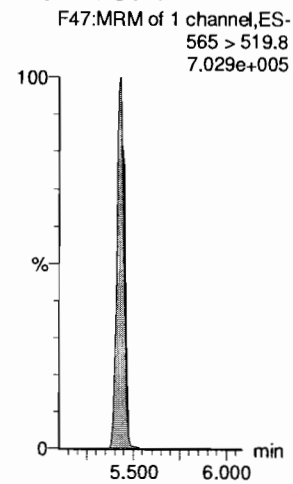
d5-N-EtFOSAA



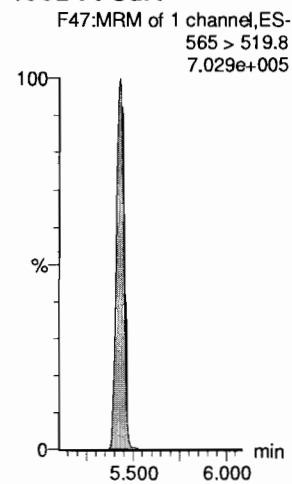
13C2-PFDoA



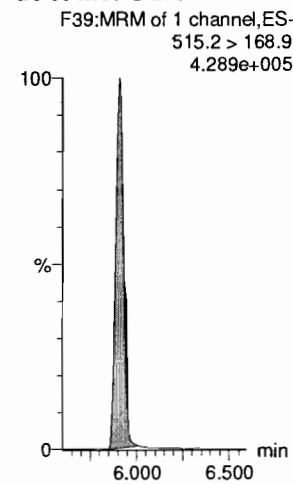
13C2-PFUdA



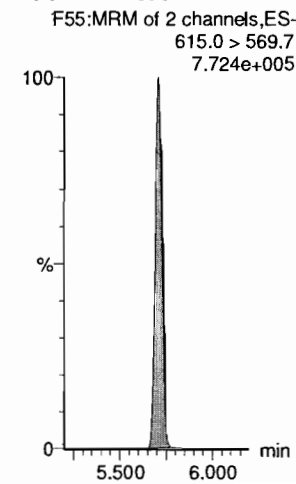
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

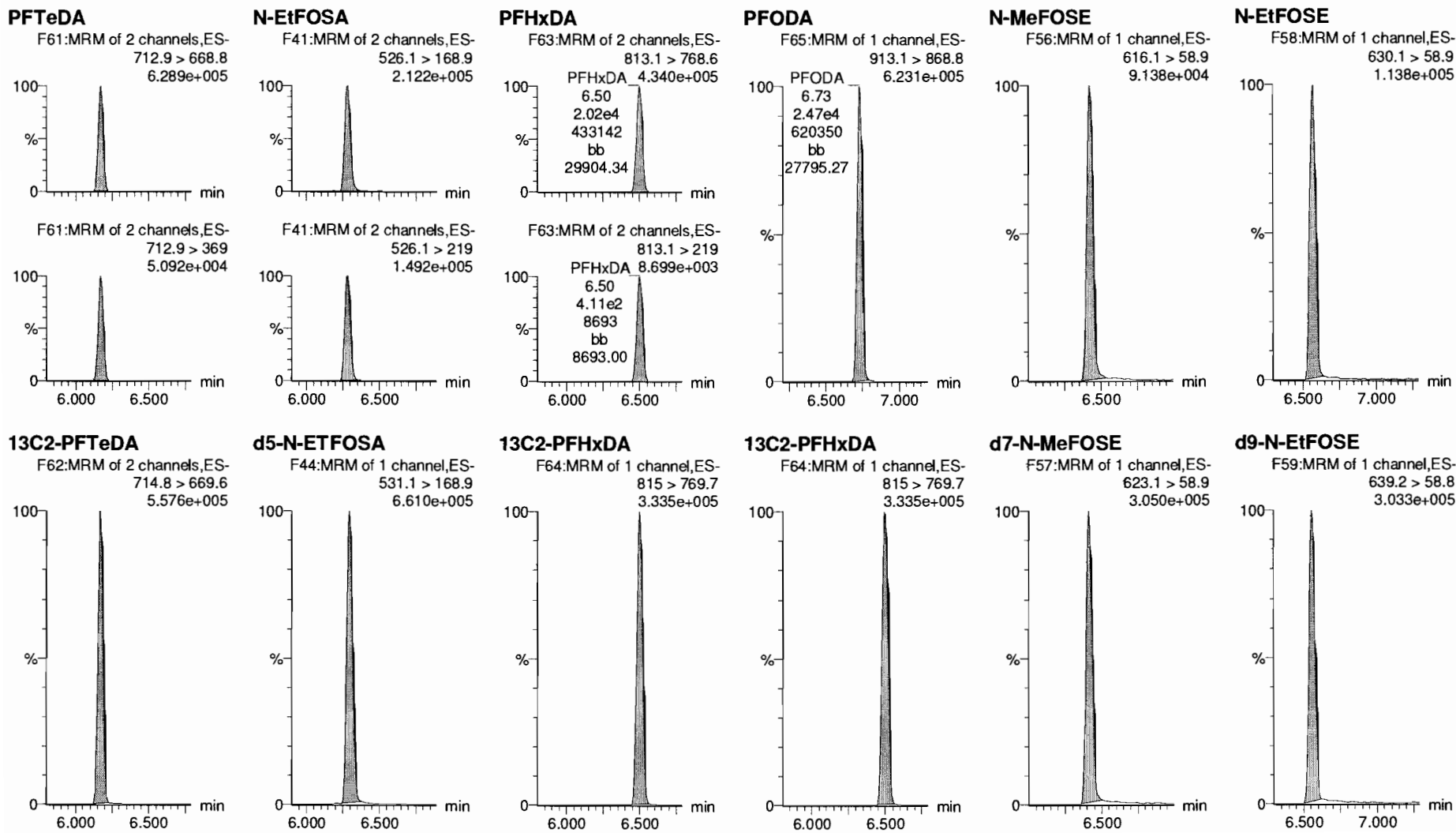


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-90.qld

Last Altered: Wednesday, May 30, 2018 12:28:27 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:29:08 Pacific Daylight Time

Name: 180528M1_90, Date: 29-May-2018, Time: 07:24:25, ID: ST180528M1-15 PFC CS3 18E2207, Description: PFC CS3 18E2207



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-90.qld

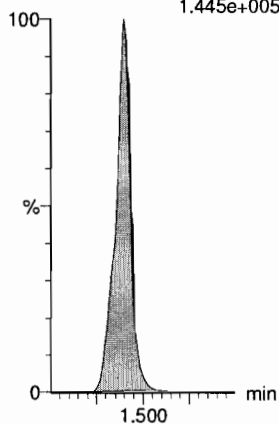
Last Altered: Wednesday, May 30, 2018 12:28:27 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:29:08 Pacific Daylight Time

Name: 180528M1_90, Date: 29-May-2018, Time: 07:24:25, ID: ST180528M1-15 PFC CS3 18E2207, Description: PFC CS3 18E2207

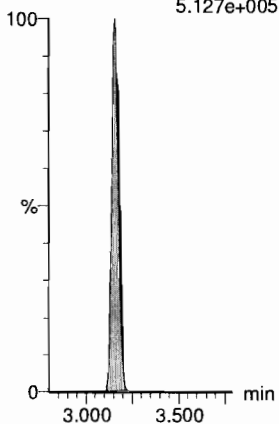
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.445e+005



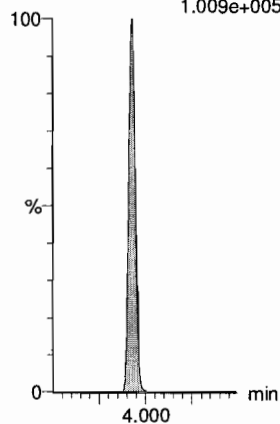
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.127e+005



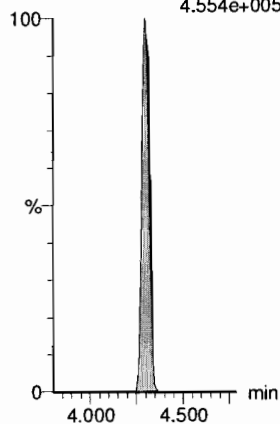
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
1.009e+005



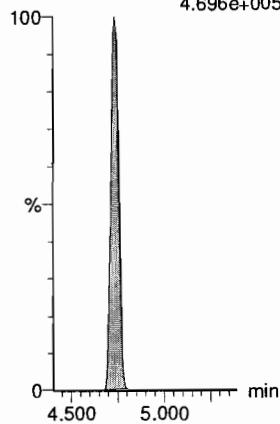
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
4.554e+005



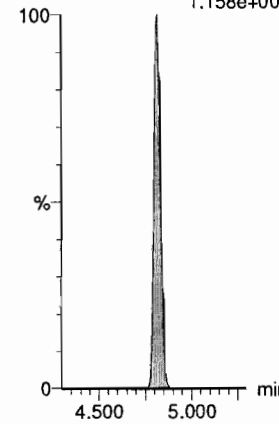
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.696e+005



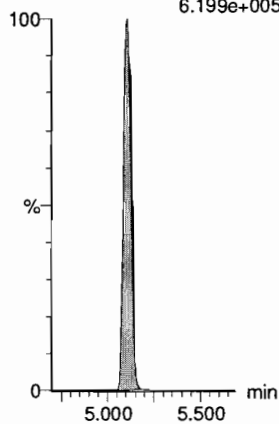
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
1.158e+005



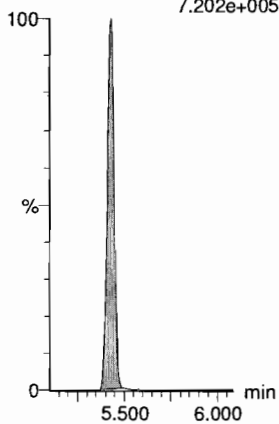
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
6.199e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
7.202e+005



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-105.qld

Last Altered: Wednesday, May 30, 2018 12:33:08 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:33:33 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_105, Date: 29-May-2018, Time: 10:01:17, ID: ST180528M1-16 PFC CS3 18E2207, Description: PFC CS3 18E2207

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 16...	1.02e4	1.12e4		1.40	1.41	11.3	9.99	99.9	NO		
2	2 PFPeA	263.1 > 21...	1.26e4	1.69e4		2.39	2.39	9.34	8.97	89.7	NO		
3	3 PFBS	299.0 > 79.7	3.15e3	2.11e3		2.68	2.68	18.7	10.3	103.4	NO	2.518	NO
4	4 4:2 FTS	327.2>307.2	3.52e3	4.44e3		3.08	3.08	9.91	9.48	94.8	NO	1.872	NO
5	5 PFHxA	313.2 > 26...	1.67e4	5.94e3		3.16	3.16	14.1	10.8	108.4	NO	347.652	YES
6	6 PFPeS	349.1>80.1	3.03e3	2.11e3		3.37	3.37	18.0	9.82	98.2	NO	1.704	NO
7	7 PFHpA	363.0 > 31...	1.71e4	1.77e4		3.78	3.79	12.1	10.1	101.4	NO	23.574	NO
8	8 L-PFHxS	398.9 > 79.6	2.61e3	1.78e3		3.93	3.93	18.3	10.3	102.6	NO	1.628	NO
9	10 6:2 FTS	427.1 > 407	4.24e3	4.81e3		4.23	4.25	11.0	11.0	109.5	NO	3.077	NO
10	11 L-PFOA	413 > 368.7	2.30e4	2.80e4		4.40	4.30	10.3	12.1	120.7	NO	5.552	NO
11	13 PFHpS	449 > 80.0	3.49e3	2.80e4		4.40	4.41	1.56	9.82	98.2	NO	1.879	NO
12	14 PFNA	463.0 > 41...	2.26e4	2.39e4		4.73	4.74	11.8	9.28	92.8	NO	4.943	NO
13	15 PFOSA	498.2 > 77.9	3.46e3	4.83e3		4.79	4.81	8.96	9.15	91.5	NO	24.375	NO
14	16 L-PFOS	499.1 > 79.9	3.45e3	4.59e3		4.81	4.82	9.40	10.9	108.5	NO	1.818	NO
15	18 PFDA	513 > 468.8	2.62e4	3.29e4		5.10	5.11	9.96	9.57	95.7	NO	7.451	NO
16	19 8:2 FTS	527 > 506.9	4.98e3	4.55e3		5.07	5.08	13.7	10.3	102.7	NO	2.574	NO
17	20 PFNS	549.1>80.1	3.05e3	4.59e3		5.16	5.18	8.31	10.4	104.4	NO	1.756	NO
18	21 L-MeFOSAA	570.1 > 419	8.66e3	7.29e3		5.25	5.26	14.8	11.2	111.6	NO	13.800	NO
19	23 L-EtFOSAA	584.2 > 419	6.46e3	8.97e3		5.41	5.42	9.00	9.09	90.9	NO	11.189	NO

JAN 5/30/18

VBF 5/30/18

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-105.qld

Last Altered: Wednesday, May 30, 2018 12:33:08 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:33:41 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_105, Date: 29-May-2018, Time: 10:01:17, ID: ST180528M1-16 PFC CS3 18E2207, Description: PFC CS3 18E2207

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	25 PFUdA	563.0 > 51...	2.51e4	3.31e4		5.42	5.43	9.49	10.6	106.5	NO	16.631	NO
2	26 PFDS	598.8 > 80	3.65e3	3.31e4		5.47	5.48	1.38	12.7	127.1	NO	2.100	NO
3	27 PFDoA	612.9 > 56...	3.02e4	3.55e4		5.70	5.71	10.6	10.2	101.7	NO	8.566	NO
4	28 N-MeFOSA	512.1 > 16...	7.13e3	2.03e4		5.87	5.89	52.7	44.4	88.9	NO	1.318	NO
5	29 PFTrDA	662.9 > 61...	2.55e4	3.55e4		5.95	5.96	8.96	7.16	71.6	NO	30.943	NO
6	30 PFTeDA	712.9 > 66...	2.53e4	2.53e4		6.17	6.17	12.5	9.12	91.2	NO	11.940	NO
7	31 N-EtFOSA	526.1 > 16...	9.01e3	2.84e4		6.27	6.29	47.5	55.7	111.4	NO	1.380	NO
8	32 PFHxDA	813.1 > 76...	2.12e4	1.59e4		6.50	6.50	6.67	8.89	88.9	NO	64.274	YES
9	33 PFODA	913.1 > 86...	2.53e4	1.59e4		6.73	6.73	7.94	9.09	90.9	NO		
10	34 N-MeFOSE	616.1 > 58.9	4.46e3	1.36e4		6.42	6.43	49.1	53.1	106.1	NO		
11	35 N-EtFOSE	630.1 > 58.9	5.27e3	1.37e4		6.57	6.57	57.8	51.3	102.7	NO		
12	36 13C3-PFBA	216.1 > 17...	1.12e4	1.35e4	0.847	1.39	1.41	10.4	12.3	98.4	NO		
13	37 13C3-PFPeA	266. > 221.8	1.69e4	2.13e4	0.852	2.37	2.39	9.93	11.7	93.3	NO		
14	38 13C3-PFBS	302. > 98.8	2.11e3	2.13e4	0.102	2.66	2.68	1.24	12.2	97.5	NO		
15	39 13C2-4:2 FTS	329.2>308.9	4.44e3	2.13e4	0.233	3.06	3.08	2.61	11.2	89.4	NO		
16	40 13C2-PFHxA	315 > 269.8	5.94e3	2.13e4	0.720	3.15	3.17	3.49	4.84	96.8	NO		
17	41 13C4-PFHpA	367.2 > 32...	1.77e4	2.13e4	0.795	3.76	3.78	10.4	13.1	104.5	NO		
18	42 18O2-PFHxS	403.0 > 10...	1.78e3	3.95e3	0.421	3.92	3.93	5.63	13.4	107.1	NO		
19	43 13C2-6:2 FTS	429.1 > 40...	4.81e3	2.05e4	0.280	4.23	4.25	2.93	10.5	83.6	NO		
20	44 13C2-PFOA	414.9 > 36...	2.80e4	2.05e4	1.477	4.29	4.30	17.0	11.5	92.3	NO		
21	45 13C5-PFNA	468.2 > 42...	2.39e4	2.73e4	0.955	4.73	4.74	11.0	11.5	91.8	NO		
22	46 13C8-PFOA	506.1 > 77.7	4.83e3	3.13e4	0.151	4.79	4.81	1.93	12.8	102.0	NO		
23	47 13C8-PFOS	507.0 > 79.9	4.59e3	4.81e3	1.023	4.81	4.82	11.9	11.7	93.3	NO		
24	48 13C2-PFDA	515.1 > 46...	3.29e4	2.93e4	1.200	5.10	5.11	14.0	11.7	93.5	NO		
25	49 13C2-8:2 FTS	529.1 > 50...	4.55e3	2.13e4	0.224	5.07	5.08	2.67	11.9	95.4	NO		
26	50 d3-N-MeFOSAA	573.3 > 419	7.29e3	3.13e4	0.231	5.25	5.26	2.91	12.6	100.8	NO		
27	51 d5-N-EtFOSAA	589.3 > 419	8.97e3	3.13e4	0.259	5.41	5.41	3.58	13.9	110.8	NO		
28	52 13C2-PFUdA	565 > 519.8	3.31e4	3.13e4	0.996	5.42	5.43	13.2	13.3	106.1	NO		
29	53 13C2-PFDoA	615.0 > 56...	3.55e4	2.93e4	1.247	5.70	5.71	15.2	12.2	97.3	NO		
30	54 d3-N-MeFOSA	515.2 > 16...	2.03e4	3.13e4	0.053	5.90	5.92	8.10	153	102.2	NO		
31	55 13C2-PFTeDA	714.8 > 66...	2.53e4	3.13e4	0.792	6.17	6.17	10.1	12.8	102.2	NO		
32	56 d5-N-ETFOSA	531.1 > 16...	2.84e4	3.13e4	0.076	6.29	6.30	11.4	149	99.5	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-105.qld

Last Altered: Wednesday, May 30, 2018 12:33:08 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:33:41 Pacific Daylight Time

Name: 180528M1_105, Date: 29-May-2018, Time: 10:01:17, ID: ST180528M1-16 PFC CS3 18E2207, Description: PFC CS3 18E2207

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
33	57 13C2-PFHxDA	815 > 769.7	1.59e4	3.13e4	1.211	6.50	6.50	6.35	5.25	104.9	NO		
34	58 d7-N-MeFOSE	623.1 > 58.9	1.36e4	3.13e4	0.040	6.42	6.42	5.44	135	89.9	NO		
35	59 d9-N-EtFOSE	639.2 > 58.8	1.37e4	3.13e4	0.041	6.56	6.56	5.46	134	89.1	NO		
36	60 13C4-PFBA	217. > 171.8	1.35e4	1.35e4	1.000	1.39	1.41	12.5	12.5	100.0	NO		
37	61 13C5-PFHxA	318 > 272.9	2.13e4	2.13e4	1.000	3.14	3.17	12.5	12.5	100.0	NO		
38	62 13C3-PFHxS	401.9 > 79.9	3.95e3	3.95e3	1.000	3.92	3.93	12.5	12.5	100.0	NO		
39	63 13C8-PFOA	421.3 > 376	2.05e4	2.05e4	1.000	4.29	4.30	12.5	12.5	100.0	NO		
40	64 13C9-PFNA	472.2 > 42...	2.73e4	2.73e4	1.000	4.72	4.74	12.5	12.5	100.0	NO		
41	65 13C4-PFOS	503 > 79.9	4.81e3	4.81e3	1.000	4.81	4.82	12.5	12.5	100.0	NO		
42	66 13C6-PFDA	519.1 > 47...	2.93e4	2.93e4	1.000	5.10	5.11	12.5	12.5	100.0	NO		
43	67 13C7-PFUdA	570.1 > 52...	3.13e4	3.13e4	1.000	5.42	5.43	12.5	12.5	100.0	NO		

Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 12:51:10 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:52:16 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180528M1_2	IPA	28-May-18	15:03:00
2	2 180528M1_3	ST180528M1-1 PFC CS-2 18E2202	28-May-18	16:14:14
3	3 180528M1_4	ST180528M1-2 PFC CS-1 18E2203	28-May-18	16:24:43
4	4 180528M1_5	ST180528M1-3 PFC CS0 18E2204	28-May-18	16:35:07
5	5 180528M1_6	ST180528M1-4 PFC CS1 18E2205	28-May-18	16:45:38
6	6 180528M1_7	ST180528M1-5 PFC CS2 18E2206	28-May-18	16:56:03
7	7 180528M1_8	ST180528M1-6 PFC CS3 18E2207	28-May-18	17:06:33
8	8 180528M1_9	ST180528M1-7 PFC CS4 18E2208	28-May-18	17:16:59
9	9 180528M1_10	ST180528M1-8 PFC CS5 18E2209	28-May-18	17:27:29
10	10 180528M1_11	ST180528M1-9 PFC CS6 18E2210	28-May-18	17:37:54
11	11 180528M1_12	ST180528M1-10 PFC CS7 18E2211	28-May-18	17:48:24
12	12 180528M1_13	IPA	28-May-18	17:58:48
13	13 180528M1_14	ICV180528M1-1 PFC 537 ICV 18E1401	28-May-18	18:09:21
14	14 180528M1_15	B8E0208-BS1 OPR 0.125	28-May-18	18:19:49
15	15 180528M1_16	B8E0208-BLK1 Method Blank 0.125	28-May-18	18:30:14
16	16 180528M1_17	B8E0208-MS1 Matrix Spike 0.12124	28-May-18	18:40:44
17	17 180528M1_18	B8E0208-MSD1 Matrix Spike Dup 0.1203	28-May-18	18:51:09
18	18 180528M1_19	B8E0208-MS2 Matrix Spike 0.12001	28-May-18	19:01:40
19	19 180528M1_20	B8E0208-MSD2 Matrix Spike Dup 0.117...	28-May-18	19:12:04
20	20 180528M1_21	1801023-01 KISWR-DUP1_052018 0.1...	28-May-18	19:22:35
21	21 180528M1_22	1801023-02 KISWR-DUP2_052118 0.1...	28-May-18	19:33:05
22	22 180528M1_23	1801023-03 KISWR-EB001-052018 0.1...	28-May-18	19:43:29
23	23 180528M1_24	1801023-04 KISWR-FT007-010-052118...	28-May-18	19:53:59
24	24 180528M1_25	1801023-05 KISWR-FT007-011-052118...	28-May-18	20:04:24
25	25 180528M1_26	1801023-06 KISWR-FT007-013-052118...	28-May-18	20:14:54
26	26 180528M1_27	1801023-07 KISWR-FT007-014-05201...	28-May-18	20:25:18
27	27 180528M1_28	1801023-08 KISWR-FT007-015-05201...	28-May-18	20:35:49
28	28 180528M1_29	1801023-09 KISWR-FT007-016-05201...	28-May-18	20:46:14
29	29 180528M1_30	1801023-10 KISWR- LAB DI Water_FB...	28-May-18	20:56:44
30	30 180528M1_31	1801023-11 STUMP- NORTH-SW-0521...	28-May-18	21:07:09
31	31 180528M1_32	1801023-12 STUMP- SOUTH-SW-0521...	28-May-18	21:17:39
32	32 180528M1_33	IPA	28-May-18	21:28:04

Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 12:51:10 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:52:16 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 180528M1_34	ST180528M1-11 PFC CS3 18E2207	28-May-18	21:38:35
34	34 180528M1_35	IPA	28-May-18	21:49:00
35	35 180528M1_36	B8E0063-BS1 OPR 0.25	28-May-18	21:59:30
36	36 180528M1_37	B8E0063-BLK1 Method Blank 0.25	28-May-18	22:09:55
37	37 180528M1_38	1800884-01 S04308K3 0.26352	28-May-18	22:20:25
38	38 180528M1_39	1800886-01 WT1805011500KE 0.27	28-May-18	22:30:50
39	39 180528M1_40	1800886-02 WT1805011630MK 0.28215	28-May-18	22:41:20
40	40 180528M1_41	1800886-03 WT1805011645KE 0.27187	28-May-18	22:51:44
41	41 180528M1_42	1800886-04 WT1805011705KE 0.26023	28-May-18	23:02:15
42	42 180528M1_43	1800886-05 WR1805011715KE 0.261	28-May-18	23:12:45
43	43 180528M1_44	1800886-06 WT1805020950KE 0.27286	28-May-18	23:23:10
44	44 180528M1_45	1800886-07 WT1805021525KE 0.27126	28-May-18	23:33:40
45	45 180528M1_46	1800893-01 FB1805011535MK 0.25595	28-May-18	23:44:05
46	46 180528M1_47	1800893-02 WT1805011545KE 0.27247	28-May-18	23:54:36
47	47 180528M1_48	1800893-04 WT1805011610KE 0.26048	29-May-18	00:05:01
48	48 180528M1_49	IPA	29-May-18	00:15:31
49	49 180528M1_50	ST180528M1-12 PFC CS3 18E2207	29-May-18	00:25:55
50	50 180528M1_51	IPA	29-May-18	00:36:25
51	51 180528M1_52	1800893-03 WT1805011555KE 0.26881	29-May-18	00:46:50
52	52 180528M1_53	1800893-05 WT1805011735KE 0.27122	29-May-18	00:57:20
53	53 180528M1_54	1800893-06 WT1805011745KE 0.26008	29-May-18	01:07:50
54	54 180528M1_55	1800893-07 WT1805020810KE 0.26992	29-May-18	01:18:15
55	55 180528M1_56	1800893-08 WR1805020830KE 0.27433	29-May-18	01:28:45
56	56 180528M1_57	1800893-09 WT1805020845KE 0.26534	29-May-18	01:39:15
57	57 180528M1_58	1800893-10 WT1805020910KE 0.26614	29-May-18	01:49:41
58	58 180528M1_59	1800895-01 SW-1 0.12978	29-May-18	02:00:11
59	59 180528M1_60	B8E0097-BS1 OPR 0.25	29-May-18	02:10:36
60	60 180528M1_61	B8E0097-BSD1 LCSD 0.25	29-May-18	02:21:06
61	61 180528M1_62	B8E0097-BLK1 Method Blank 0.25	29-May-18	02:31:31
62	62 180528M1_63	1800863-01 Bemidji Pilot APR2 lead 0.2...	29-May-18	02:42:01
63	63 180528M1_64	1800863-02 Bemidji Pilot PSR2 + 0.26433	29-May-18	02:52:26
64	64 180528M1_65	1800863-03 Bemidji Pilot INF 0.26399	29-May-18	03:02:56
65	65 180528M1_66	IPA	29-May-18	03:13:21
66	66 180528M1_67	ST180528M1-13 PFC CS3 18E2207	29-May-18	03:23:51
67	67 180528M1_68	ST180528M1-14 PFC CS0 18E2204	29-May-18	03:34:16
68	68 180528M1_69	IPA	29-May-18	03:44:46

Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 12:51:10 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:52:16 Pacific Daylight Time

Compound name: PFBA

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69	69 180528M1_70	1800901-01 ACT Sample -16 0.23838	29-May-18	03:55:10
70	70 180528M1_71	1800901-02 ACT Sample -19 0.23487	29-May-18	04:05:40
71	71 180528M1_72	B8E0099-BS1 OPR 0.25	29-May-18	04:16:04
72	72 180528M1_73	B8E0099-BSD1 LCSD 0.25	29-May-18	04:26:35
73	73 180528M1_74	B8E0099-BLK1 Method Blank 0.25	29-May-18	04:37:00
74	74 180528M1_75	1800890-01 ACT Sample-10 0.24206	29-May-18	04:47:30
75	75 180528M1_76	1800890-02 ACT Sample-13 0.23172	29-May-18	04:58:00
76	76 180528M1_77	B8E0107-BS1 OPR 0.25	29-May-18	05:08:25
77	77 180528M1_78	B8E0107-BLK1 Method Blank 0.25	29-May-18	05:18:55
78	78 180528M1_79	B8E0107-MS1 Matrix Spike 0.24428	29-May-18	05:29:25
79	79 180528M1_80	B8E0107-MSD1 Matrix Spike Dup 0.259...	29-May-18	05:39:49
80	80 180528M1_81	B8E0107-MS2 Matrix Spike 0.25565	29-May-18	05:50:20
81	81 180528M1_82	B8E0107-MSD2 Matrix Spike Dup 0.250...	29-May-18	06:00:44
82	82 180528M1_83	1800905-01 MW-15 0.24279	29-May-18	06:11:14
83	83 180528M1_84	1800905-02 MW-15S 0.26385	29-May-18	06:21:39
84	84 180528M1_85	1800905-03 AHL S 0.25415	29-May-18	06:32:09
85	85 180528M1_86	1800905-04 MW-16 0.2575	29-May-18	06:42:34
86	86 180528M1_87	1800905-05 MW-13 0.24776	29-May-18	06:53:04
87	87 180528M1_88	1800905-06 MW-3D 0.24351	29-May-18	07:03:29
88	88 180528M1_89	IPA	29-May-18	07:14:00
89	89 180528M1_90	ST180528M1-15 PFC CS3 18E2207	29-May-18	07:24:25
90	90 180528M1_91	IPA	29-May-18	07:34:55
91	91 180528M1_92	1800905-07 MW-3S 0.24635	29-May-18	07:45:20
92	92 180528M1_93	1800905-08 MW-19 0.25231	29-May-18	07:55:51
93	93 180528M1_94	1800905-09 MW-19 (23.5-28.5) 0.24666	29-May-18	08:06:15
94	94 180528M1_95	1800905-10 MW-28 0.24805	29-May-18	08:16:45
95	95 180528M1_96	B8E0210-BS1 OPR 0.125	29-May-18	08:27:09
96	96 180528M1_97	B8E0210-BLK1 Method Blank 0.125	29-May-18	08:37:40
97	97 180528M1_98	1801010-01 GSUMW0050510180516G...	29-May-18	08:48:10
98	98 180528M1_99	1801010-02 MW0081819180517GSC 0...	29-May-18	08:58:35
99	99 180528M1_100	1801010-03 MW0083738180517RAP 0...	29-May-18	09:09:05
100	1... 180528M1_101	1801010-04 MW0052021180517MK 0.1...	29-May-18	09:19:30
101	1... 180528M1_102	1801010-05 MW0056061180517RAP 0....	29-May-18	09:30:00
102	1... 180528M1_103	1801010-06 MW0071920180517RAP 0...	29-May-18	09:40:22
103	1... 180528M1_104	IPA	29-May-18	09:50:52
104	1... 180528M1_105	ST180528M1-16 PFC CS3 18E2207	29-May-18	10:01:17

Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 12:51:10 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:52:16 Pacific Daylight Time

Compound name: PFBA

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106	1... 180528M1_107	1801010-07 MW0074849180517GSC 0...	29-May-18	10:22:12
107	1... 180528M1_108	1801010-08 MW0065051180517RAP 0...	29-May-18	10:32:42
108	1... 180528M1_109	1801010-09 MW0060510180517GSC 0...	29-May-18	10:43:08
109	1... 180528M1_110	1801010-10 MW0010308180518GSC 0...	29-May-18	10:53:38
110	1... 180528M1_111	1801010-11 MW0030207180518GSC 0...	29-May-18	11:04:03
111	1... 180528M1_112	1801010-12 MW0034647180518RAP 0...	29-May-18	11:14:34
112	1... 180528M1_113	1801010-13 GSUMW0031116180518G...	29-May-18	11:25:04
113	1... 180528M1_114	1801010-14 MW0093233180518RAP 0...	29-May-18	11:35:29
114	1... 180528M1_115	1801010-15 MW0091516180518MK 0...	29-May-18	11:45:59
115	1... 180528M1_116	IPA	29-May-18	11:56:24
116	1... 180528M1_117	ST180528M1-17 PFC CS3 18E2207	29-May-18	12:06:54
117	1... 180528M1_118	IPA	29-May-18	12:17:25

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-105.qld

Last Altered: Wednesday, May 30, 2018 12:33:08 Pacific Daylight Time

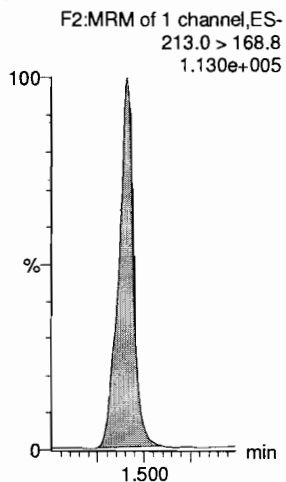
Printed: Wednesday, May 30, 2018 12:33:41 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

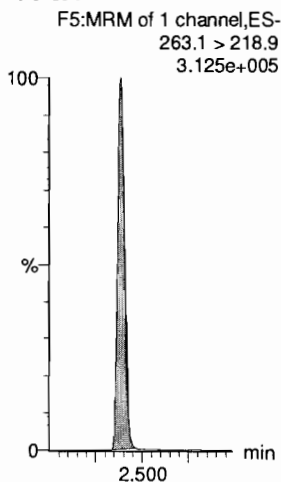
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_105, Date: 29-May-2018, Time: 10:01:17, ID: ST180528M1-16 PFC CS3 18E2207, Description: PFC CS3 18E2207

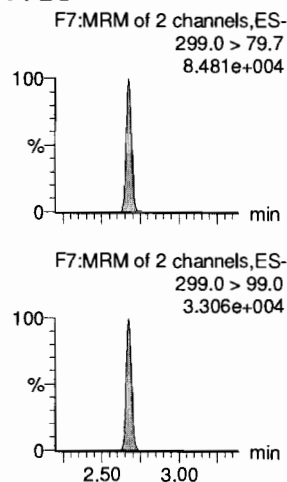
PFBA



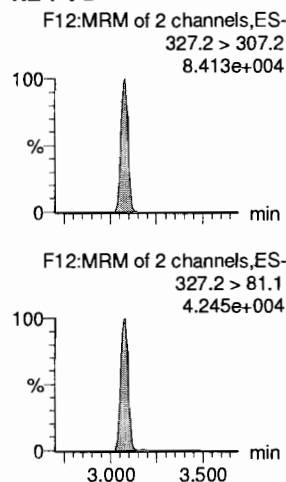
PFPeA



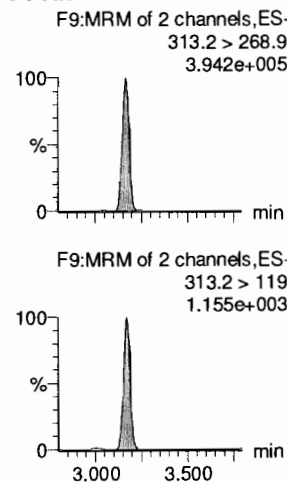
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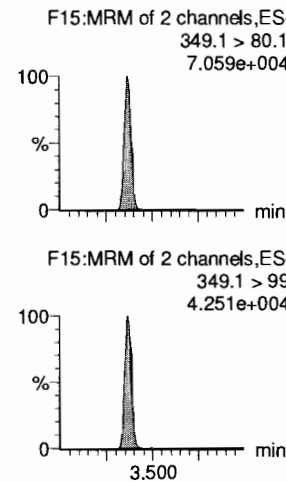
4:2 FTS



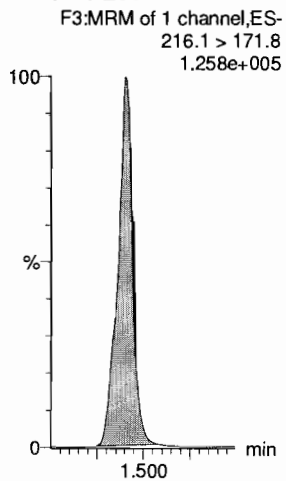
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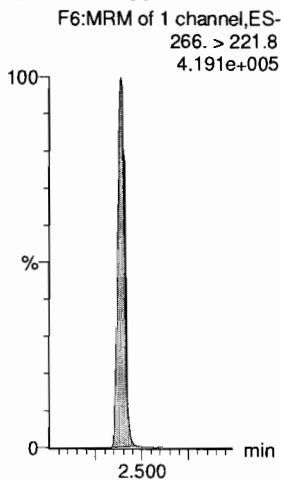
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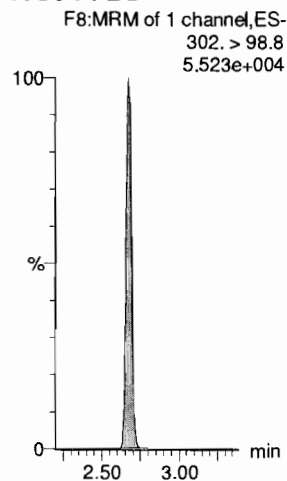
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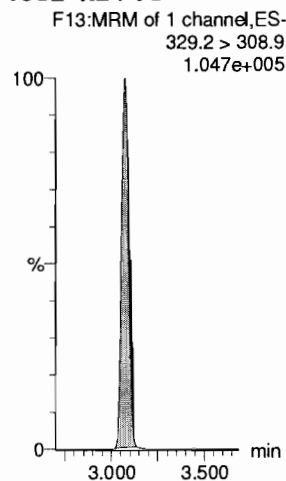
13C3-PFPeA



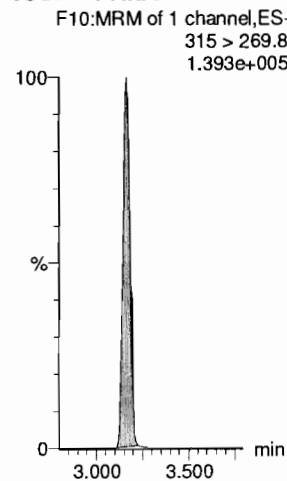
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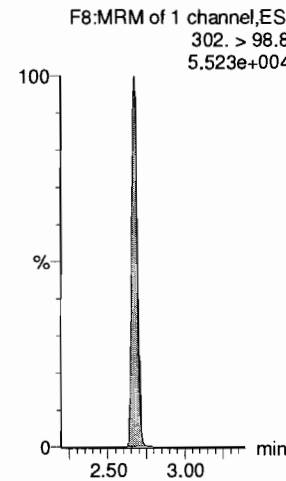
13C2-4:2 FTS



13C2-PFHxA



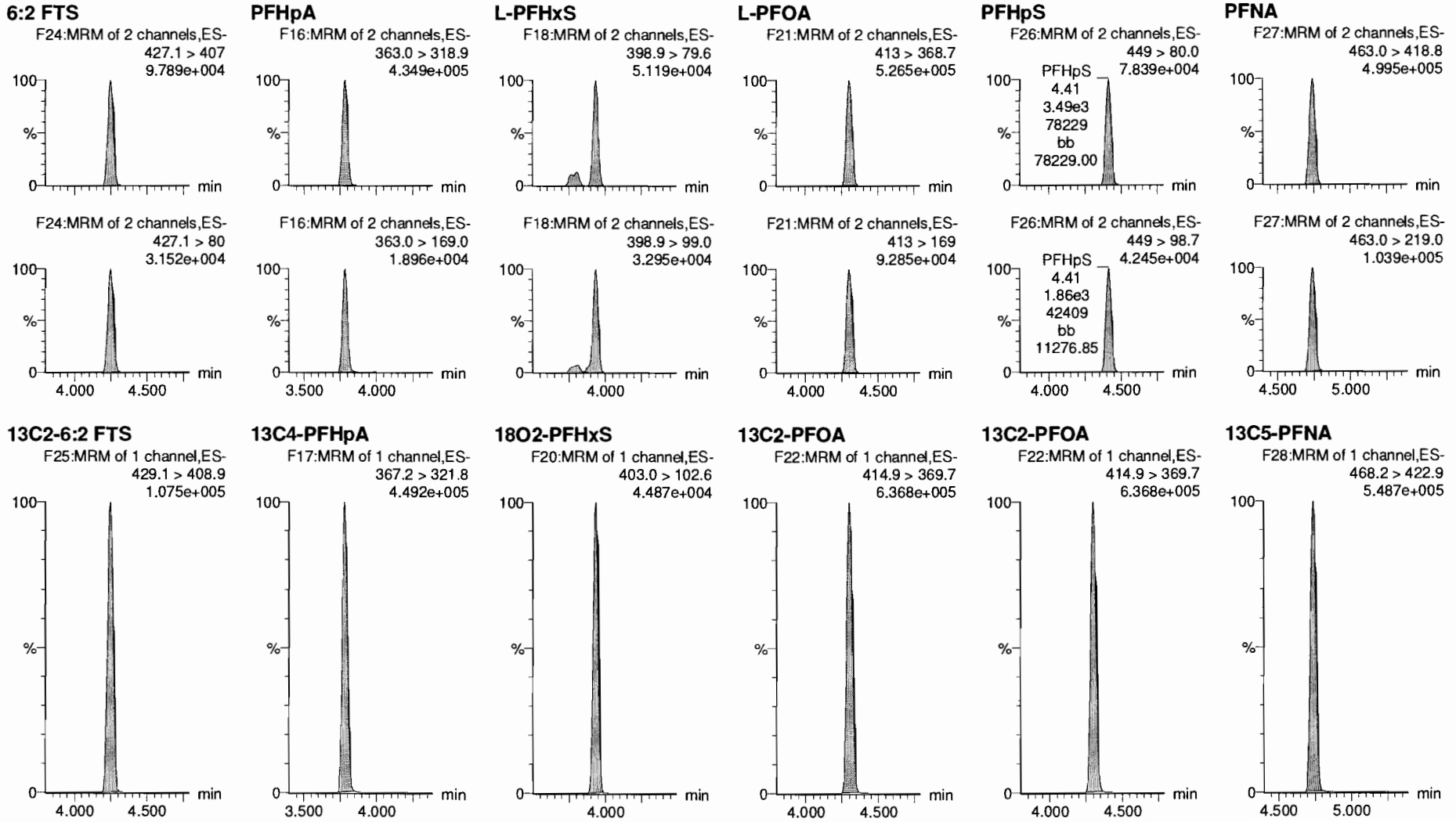
13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-105.qld

Last Altered: Wednesday, May 30, 2018 12:33:08 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:33:41 Pacific Daylight Time

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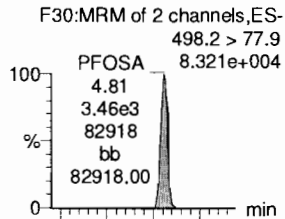
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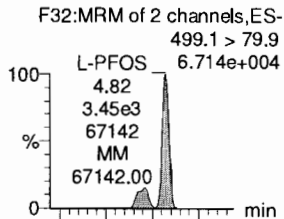
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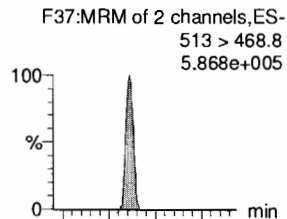
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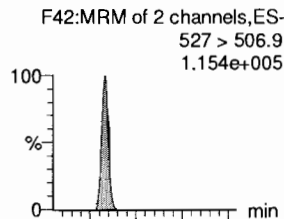
L-PFOS



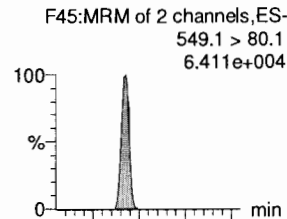
PFDA



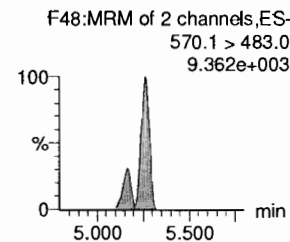
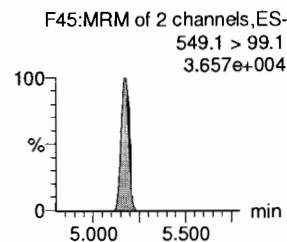
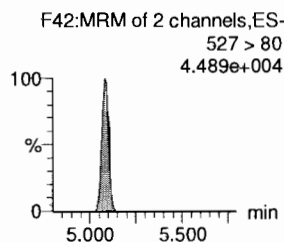
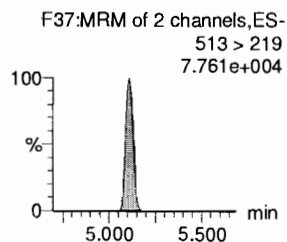
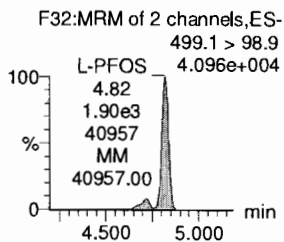
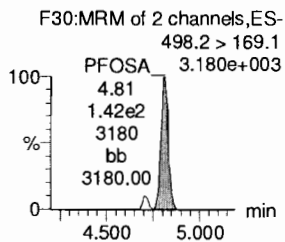
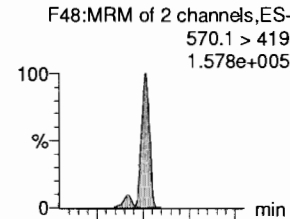
8:2 FTS



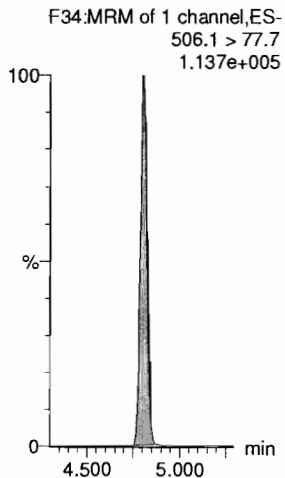
PFNS



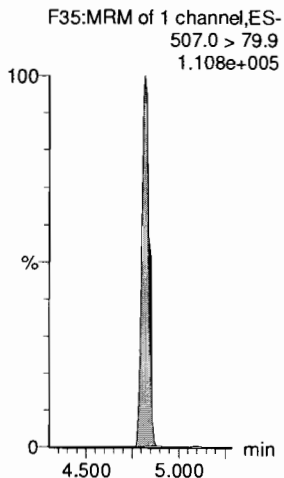
L-MeFOSAA



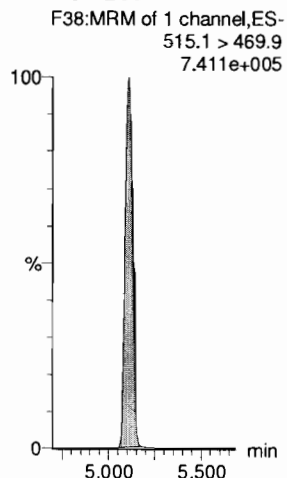
13C8-PFOSA



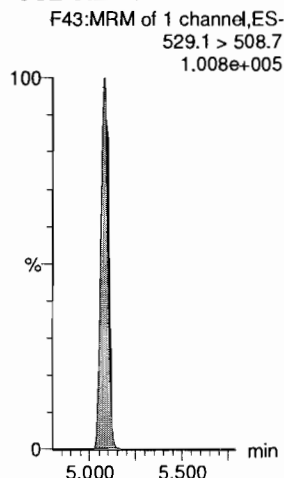
13C8-PFOS



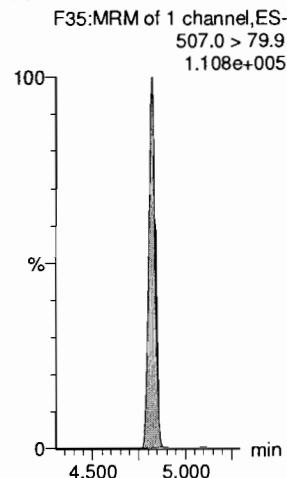
13C2-PFDA



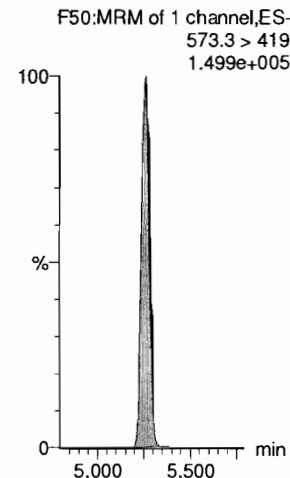
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

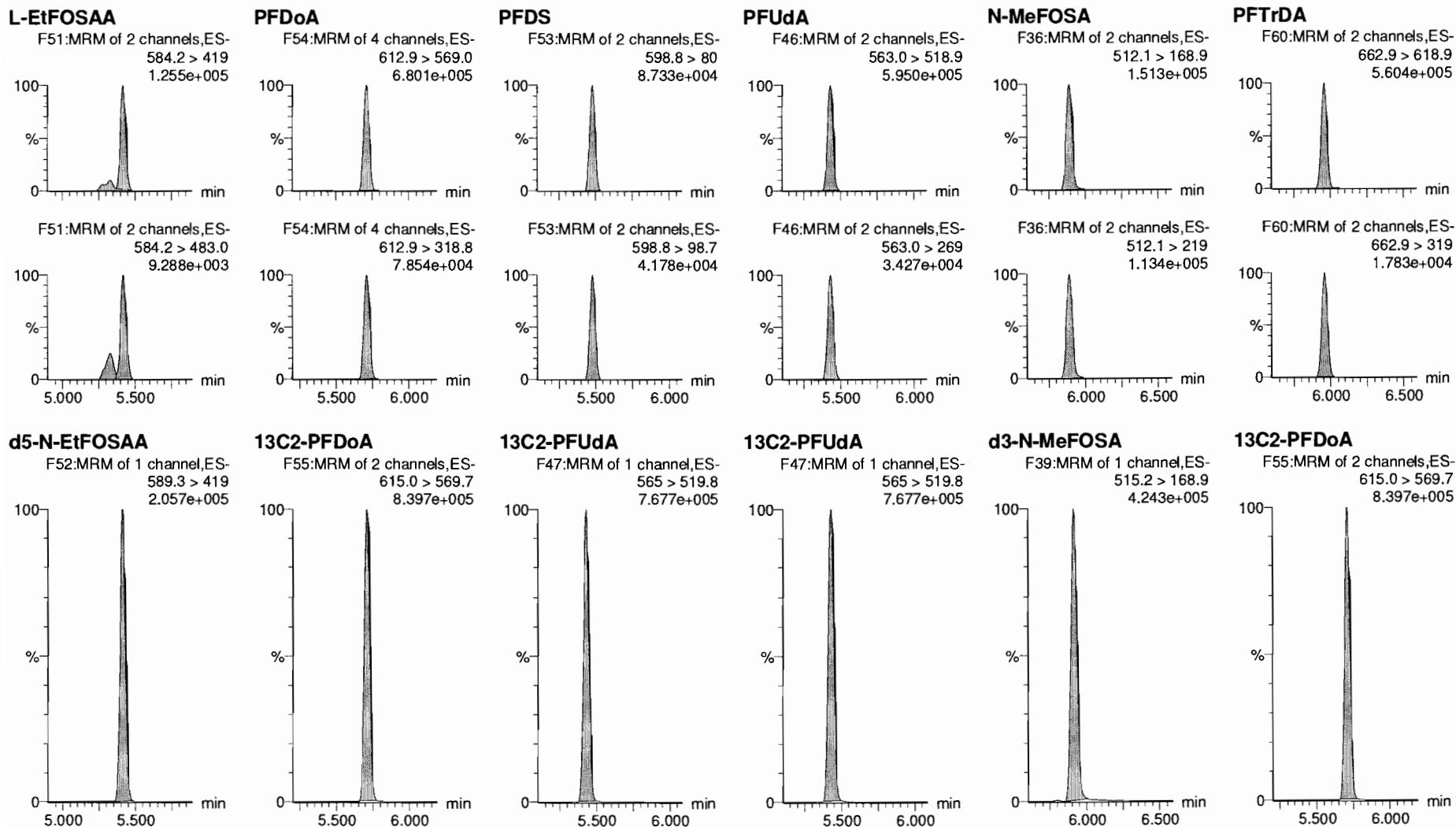


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Last Altered: Wednesday, May 30, 2018 12:33:08 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:33:41 Pacific Daylight Time

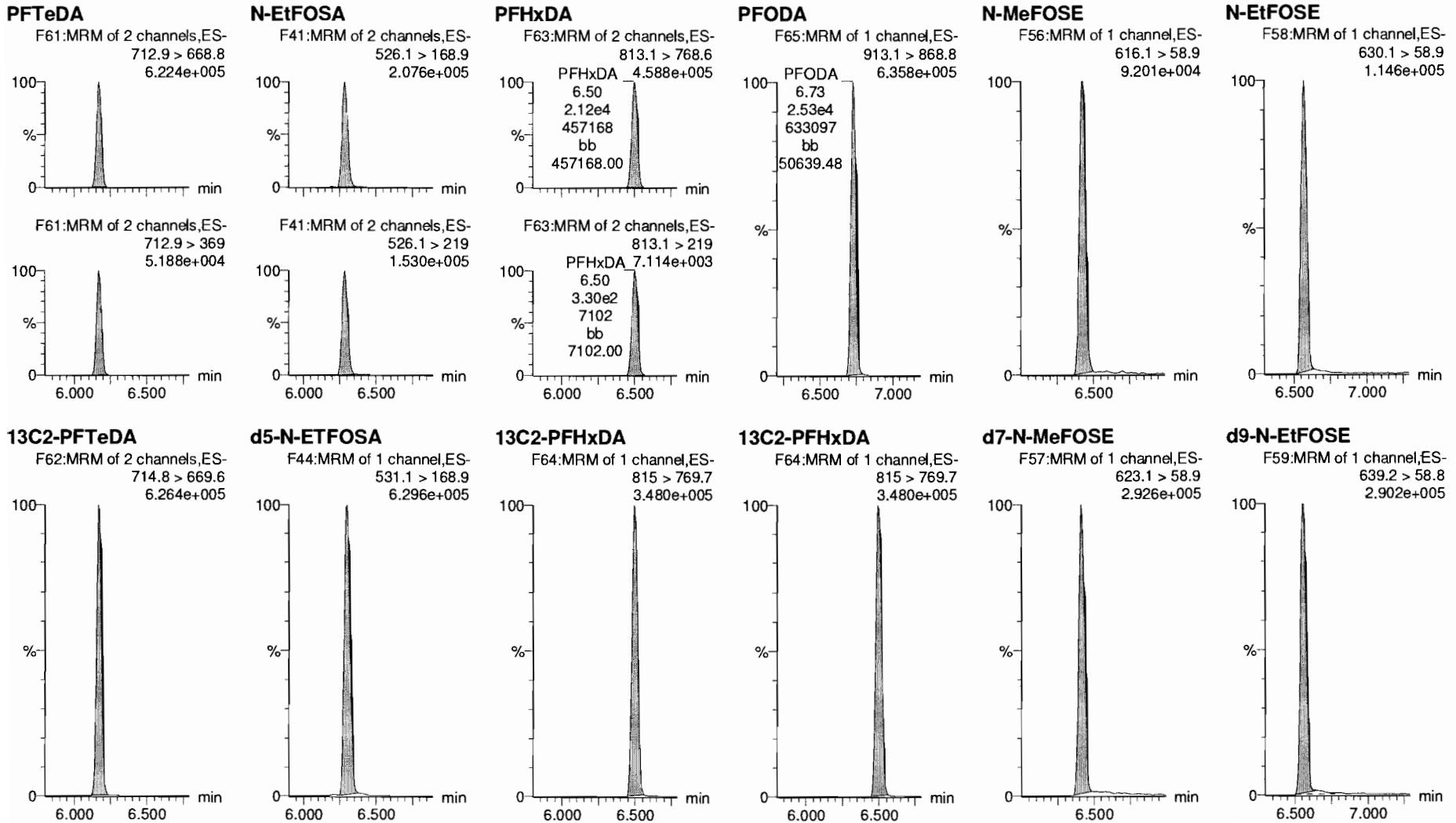
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Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-105.qld

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Printed: Wednesday, May 30, 2018 12:33:41 Pacific Daylight Time

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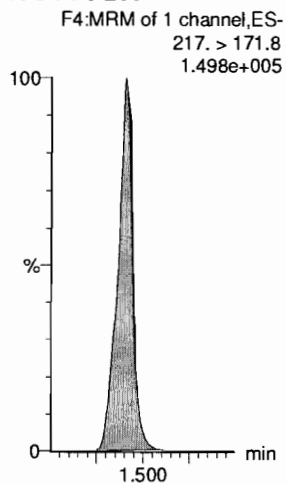
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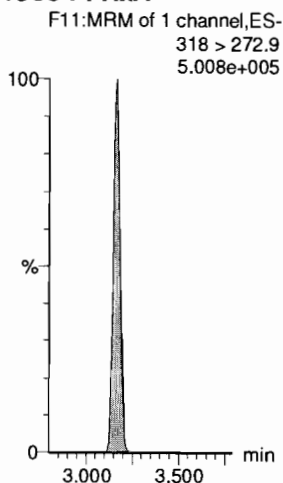
Printed: Wednesday, May 30, 2018 12:33:41 Pacific Daylight Time

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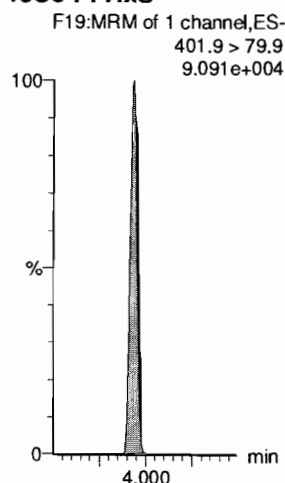
13C4-PFBA



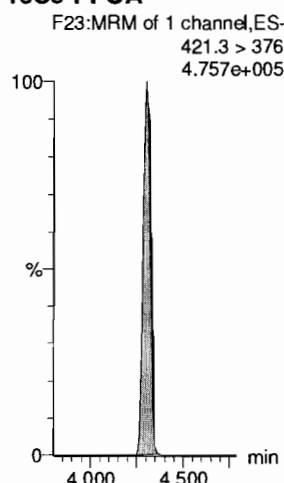
13C5-PFHxA



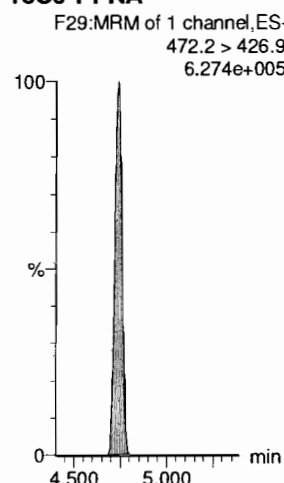
13C3-PFHxS



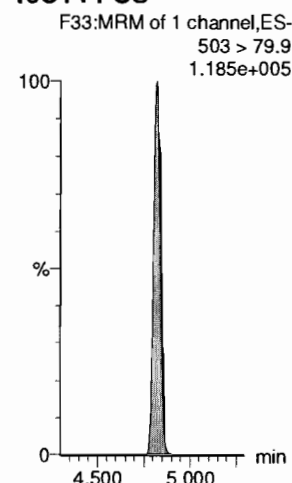
13C8-PFOA



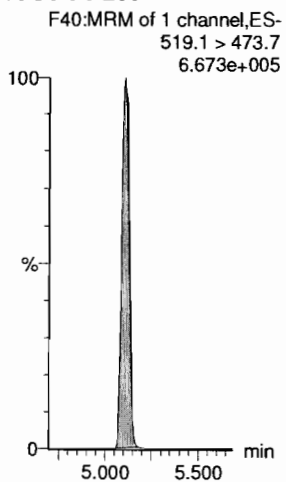
13C9-PFNA



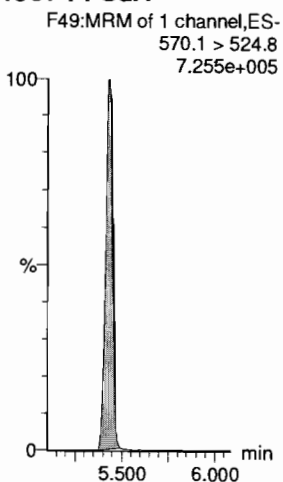
13C4-PFOS



13C6-PFDA



13C7-PFUDa



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-117.qld

Last Altered: Wednesday, May 30, 2018 12:37:29 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:38:49 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

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2	2	PFPeA	263.1 > 21...	1.25e4	1.67e4		2.40	2.40	9.35	8.98	89.8	NO			
3	3	PFBS	299.0 > 79.7	3.17e3	2.09e3		2.68	2.68	19.0	10.5	105.2	NO	2.652	NO	
4	4	4:2 FTS	327.2>307.2	3.49e3	4.32e3		3.08	3.08	10.1	9.68	96.8	NO	1.790	NO	
5	5	PFHxA	313.2 > 26...	1.62e4	5.77e3		3.17	3.17	14.0	10.8	107.6	NO	215.318	NO	
6	6	PFPeS	349.1>80.1	3.03e3	2.09e3		3.38	3.37	18.1	9.92	99.2	NO	1.810	NO	
7	7	PFHpA	363.0 > 31...	1.79e4	1.69e4		3.79	3.79	13.2	11.1	111.4	NO	26.661	NO	
8	8	L-PFHxS	398.9 > 79.6	2.69e3	1.77e3		3.94	3.94	19.0	10.6	106.4	NO	1.747	NO	
9	10	6:2 FTS	427.1 > 407	4.27e3	5.12e3		4.23	4.25	10.4	10.3	103.4	NO	3.060	NO	
10	11	L-PFOA	413 > 368.7	2.20e4	2.71e4		4.40	4.31	10.1	11.9	118.5	NO	5.335	NO	
11	13	PFHpS	449 > 80.0	3.30e3	2.71e4		4.40	4.42	1.52	9.55	95.5	NO	1.927	NO	
12	14	PFNA	463.0 > 41...	2.31e4	2.29e4		4.73	4.75	12.7	9.99	99.9	NO	5.604	NO	
13	15	PFOSA	498.2 > 77.9	3.25e3	4.81e3		4.79	4.81	8.44	8.62	86.2	NO	32.150	NO	
14	16	L-PFOS	499.1 > 79.9	3.28e3	4.81e3		4.81	4.83	8.52	9.85	98.5	NO	1.861	NO	
15	18	PFDA	513 > 468.8	2.16e4	2.70e4		5.10	5.12	9.98	9.60	96.0	NO	6.308	NO	
16	19	8:2 FTS	527 > 506.9	4.97e3	4.61e3		5.07	5.09	13.5	10.1	101.1	NO	2.730	NO	
17	20	PFNS	549.1>80.1	3.03e3	4.81e3		5.16	5.18	7.88	9.89	98.9	NO	1.681	NO	
18	21	L-MeFOSAA	570.1 > 419	9.02e3	7.33e3		5.25	5.27	15.4	11.6	115.5	NO	15.127	NO	
19	23	L-EtFOSAA	584.2 > 419	6.66e3	8.35e3		5.41	5.42	9.97	10.1	100.8	NO	11.490	NO	

JAD 5/30/18

[Signature] 5/30/18

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-117.qld

Last Altered: Wednesday, May 30, 2018 12:37:29 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:38:56 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_117, Date: 29-May-2018, Time: 12:06:54, ID: ST180528M1-17 PFC CS3 18E2207, Description: PFC CS3 18E2207

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out	Ion Ratio	Ratio out?
1	25 PFUDa	563.0 > 51...	2.58e4	3.50e4		5.42	5.44	9.21	10.3	103.3	NO		15.353	NO
2	26 PFDS	598.8 > 80	3.60e3	3.50e4		5.47	5.49	1.29	11.8	118.5	NO		1.972	NO
3	27 PFDa	612.9 > 56...	3.12e4	3.00e4		5.70	5.72	13.0	12.5	125.0	NO		9.181	NO
4	28 N-MeFOSA	512.1 > 16...	6.90e3	1.95e4		5.87	5.90	53.0	44.7	89.4	NO		1.340	NO
5	29 PFTTrDA	662.9 > 61...	2.67e4	3.00e4		5.95	5.96	11.1	8.89	88.9	NO		31.491	NO
6	30 PFTeDA	712.9 > 66...	2.56e4	2.53e4		6.17	6.17	12.6	9.22	92.2	NO		13.096	NO
7	31 N-EtFOSA	526.1 > 16...	8.82e3	2.78e4		6.27	6.29	47.6	55.7	111.5	NO		1.458	NO
8	32 PFHxDA	813.1 > 76...	2.09e4	1.54e4		6.50	6.50	6.78	9.04	90.4	NO		46.799	NO
9	33 PFODA	913.1 > 86...	2.53e4	1.54e4		6.73	6.73	8.22	9.41	94.1	NO			
10	34 N-MeFOSE	616.1 > 58.9	4.65e3	1.38e4		6.42	6.43	50.7	54.8	109.6	NO			
11	35 N-EtFOSE	630.1 > 58.9	5.00e3	1.36e4		6.57	6.57	55.1	48.9	97.8	NO			
12	36 13C3-PFBA	216.1 > 17...	1.10e4	1.31e4	0.847	1.39	1.42	10.5	12.4	99.1	NO			
13	37 13C3-PFPeA	266. > 221.8	1.67e4	1.99e4	0.852	2.37	2.40	10.5	12.3	98.3	NO			
14	38 13C3-PFBS	302. > 98.8	2.09e3	1.99e4	0.102	2.66	2.68	1.31	12.9	103.0	NO			
15	39 13C2-4:2 FTS	329.2>308.9	4.32e3	1.99e4	0.233	3.06	3.08	2.71	11.6	92.7	NO			
16	40 13C2-PFHxA	315 > 269.8	5.77e3	1.99e4	0.720	3.15	3.17	3.62	5.02	100.5	NO			
17	41 13C4-PFHpA	367.2 > 32...	1.69e4	1.99e4	0.795	3.76	3.79	10.6	13.3	106.7	NO			
18	42 18O2-PFHxS	403.0 > 10...	1.77e3	4.31e3	0.421	3.92	3.94	5.14	12.2	97.8	NO			
19	43 13C2-6:2 FTS	429.1 > 40...	5.12e3	1.96e4	0.280	4.23	4.25	3.27	11.7	93.3	NO			
20	44 13C2-PFOA	414.9 > 36...	2.71e4	1.96e4	1.477	4.29	4.31	17.3	11.7	93.9	NO			
21	45 13C5-PFNA	468.2 > 42...	2.29e4	2.68e4	0.955	4.73	4.74	10.7	11.2	89.4	NO			
22	46 13C8-PFOSA	506.1 > 77.7	4.81e3	3.31e4	0.151	4.79	4.81	1.82	12.0	96.2	NO			
23	47 13C8-PFOS	507.0 > 79.9	4.81e3	4.45e3	1.023	4.81	4.82	13.5	13.2	105.6	NO			
24	48 13C2-PFDA	515.1 > 46...	2.70e4	2.86e4	1.200	5.10	5.12	11.8	9.84	78.7	NO			
25	49 13C2-8:2 FTS	529.1 > 50...	4.61e3	1.99e4	0.224	5.07	5.09	2.89	12.9	103.2	NO			
26	50 d3-N-MeFOSAA	573.3 > 419	7.33e3	3.31e4	0.231	5.25	5.26	2.77	12.0	95.9	NO			
27	51 d5-N-EtFOSAA	589.3 > 419	8.35e3	3.31e4	0.259	5.41	5.42	3.15	12.2	97.6	NO			
28	52 13C2-PFUdA	565 > 519.8	3.50e4	3.31e4	0.996	5.42	5.44	13.2	13.3	106.1	NO			
29	53 13C2-PFDa	615.0 > 56...	3.00e4	2.86e4	1.247	5.70	5.72	13.1	10.5	83.9	NO			
30	54 d3-N-MeFOSA	515.2 > 16...	1.95e4	3.31e4	0.053	5.90	5.92	7.37	139	93.0	NO			
31	55 13C2-PFTeDA	714.8 > 66...	2.53e4	3.31e4	0.792	6.17	6.17	9.56	12.1	96.6	NO			
32	56 d5-N-ETFOSA	531.1 > 16...	2.78e4	3.31e4	0.076	6.29	6.30	10.5	138	92.0	NO			

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-117.qld

Last Altered: Wednesday, May 30, 2018 12:37:29 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:38:56 Pacific Daylight Time

Name: 180528M1_117, Date: 29-May-2018, Time: 12:06:54, ID: ST180528M1-17 PFC CS3 18E2207, Description: PFC CS3 18E2207

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
33	57 13C2-PFHxDA	815 > 769.7	1.54e4	3.31e4	1.211	6.50	6.50	5.81	4.80	95.9	NO		
34	58 d7-N-MeFOSE	623.1 > 58.9	1.38e4	3.31e4	0.040	6.42	6.42	5.20	129	85.9	NO		
35	59 d9-N-EtFOSE	639.2 > 58.8	1.36e4	3.31e4	0.041	6.56	6.57	5.15	126	84.0	NO		
36	60 13C4-PFBA	217. > 171.8	1.31e4	1.31e4	1.000	1.39	1.42	12.5	12.5	100.0	NO		
37	61 13C5-PFHxA	318 > 272.9	1.99e4	1.99e4	1.000	3.14	3.17	12.5	12.5	100.0	NO		
38	62 13C3-PFHxS	401.9 > 79.9	4.31e3	4.31e3	1.000	3.92	3.94	12.5	12.5	100.0	NO		
39	63 13C8-PFOA	421.3 > 376	1.96e4	1.96e4	1.000	4.29	4.31	12.5	12.5	100.0	NO		
40	64 13C9-PFNA	472.2 > 42...	2.68e4	2.68e4	1.000	4.72	4.74	12.5	12.5	100.0	NO		
41	65 13C4-PFOS	503 > 79.9	4.45e3	4.45e3	1.000	4.81	4.83	12.5	12.5	100.0	NO		
42	66 13C6-PFDA	519.1 > 47...	2.86e4	2.86e4	1.000	5.10	5.12	12.5	12.5	100.0	NO		
43	67 13C7-PFUDA	570.1 > 52...	3.31e4	3.31e4	1.000	5.42	5.43	12.5	12.5	100.0	NO		

Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 12:51:10 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:52:16 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 30 May 2018 10:28:02

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	180528M1_2	IPA	28-May-18	15:03:00
2	180528M1_3	ST180528M1-1 PFC CS-2 18E2202	28-May-18	16:14:14
3	180528M1_4	ST180528M1-2 PFC CS-1 18E2203	28-May-18	16:24:43
4	180528M1_5	ST180528M1-3 PFC CS0 18E2204	28-May-18	16:35:07
5	180528M1_6	ST180528M1-4 PFC CS1 18E2205	28-May-18	16:45:38
6	180528M1_7	ST180528M1-5 PFC CS2 18E2206	28-May-18	16:56:03
7	180528M1_8	ST180528M1-6 PFC CS3 18E2207	28-May-18	17:06:33
8	180528M1_9	ST180528M1-7 PFC CS4 18E2208	28-May-18	17:16:59
9	180528M1_10	ST180528M1-8 PFC CS5 18E2209	28-May-18	17:27:29
10	180528M1_11	ST180528M1-9 PFC CS6 18E2210	28-May-18	17:37:54
11	180528M1_12	ST180528M1-10 PFC CS7 18E2211	28-May-18	17:48:24
12	180528M1_13	IPA	28-May-18	17:58:48
13	180528M1_14	ICV180528M1-1 PFC 537 ICV 18E1401	28-May-18	18:09:21
14	180528M1_15	B8E0208-BS1 OPR 0.125	28-May-18	18:19:49
15	180528M1_16	B8E0208-BLK1 Method Blank 0.125	28-May-18	18:30:14
16	180528M1_17	B8E0208-MS1 Matrix Spike 0.12124	28-May-18	18:40:44
17	180528M1_18	B8E0208-MSD1 Matrix Spike Dup 0.1203	28-May-18	18:51:09
18	180528M1_19	B8E0208-MS2 Matrix Spike 0.12001	28-May-18	19:01:40
19	180528M1_20	B8E0208-MSD2 Matrix Spike Dup 0.117...	28-May-18	19:12:04
20	180528M1_21	1801023-01 KISWR-DUP1_052018 0.1...	28-May-18	19:22:35
21	180528M1_22	1801023-02 KISWR-DUP2_052118 0.1...	28-May-18	19:33:05
22	180528M1_23	1801023-03 KISWR-EB001-052018 0.1...	28-May-18	19:43:29
23	180528M1_24	1801023-04 KISWR-FT007-010-052118...	28-May-18	19:53:59
24	180528M1_25	1801023-05 KISWR-FT007-011-052118...	28-May-18	20:04:24
25	180528M1_26	1801023-06 KISWR-FT007-013-052118...	28-May-18	20:14:54
26	180528M1_27	1801023-07 KISWR-FT007-014-05201...	28-May-18	20:25:18
27	180528M1_28	1801023-08 KISWR-FT007-015-05201...	28-May-18	20:35:49
28	180528M1_29	1801023-09 KISWR-FT007-016-05201...	28-May-18	20:46:14
29	180528M1_30	1801023-10 KISWR- LAB DI Water_FB...	28-May-18	20:56:44
30	180528M1_31	1801023-11 STUMP- NORTH-SW-0521...	28-May-18	21:07:09
31	180528M1_32	1801023-12 STUMP- SOUTH-SW-0521...	28-May-18	21:17:39
32	180528M1_33	IPA	28-May-18	21:28:04

Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 12:51:10 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:52:16 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 180528M1_34	ST180528M1-11 PFC CS3 18E2207	28-May-18	21:38:35
34	34 180528M1_35	IPA	28-May-18	21:49:00
35	35 180528M1_36	B8E0063-BS1 OPR 0.25	28-May-18	21:59:30
36	36 180528M1_37	B8E0063-BLK1 Method Blank 0.25	28-May-18	22:09:55
37	37 180528M1_38	1800884-01 S04308K3 0.26352	28-May-18	22:20:25
38	38 180528M1_39	1800886-01 WT1805011500KE 0.27	28-May-18	22:30:50
39	39 180528M1_40	1800886-02 WT1805011630MK 0.28215	28-May-18	22:41:20
40	40 180528M1_41	1800886-03 WT1805011645KE 0.27187	28-May-18	22:51:44
41	41 180528M1_42	1800886-04 WT1805011705KE 0.26023	28-May-18	23:02:15
42	42 180528M1_43	1800886-05 WR1805011715KE 0.261	28-May-18	23:12:45
43	43 180528M1_44	1800886-06 WT1805020950KE 0.27286	28-May-18	23:23:10
44	44 180528M1_45	1800886-07 WT1805021525KE 0.27126	28-May-18	23:33:40
45	45 180528M1_46	1800893-01 FB1805011535MK 0.25595	28-May-18	23:44:05
46	46 180528M1_47	1800893-02 WT1805011545KE 0.27247	28-May-18	23:54:36
47	47 180528M1_48	1800893-04 WT1805011610KE 0.26048	29-May-18	00:05:01
48	48 180528M1_49	IPA	29-May-18	00:15:31
49	49 180528M1_50	ST180528M1-12 PFC CS3 18E2207	29-May-18	00:25:55
50	50 180528M1_51	IPA	29-May-18	00:36:25
51	51 180528M1_52	1800893-03 WT1805011555KE 0.26881	29-May-18	00:46:50
52	52 180528M1_53	1800893-05 WT1805011735KE 0.27122	29-May-18	00:57:20
53	53 180528M1_54	1800893-06 WT1805011745KE 0.26008	29-May-18	01:07:50
54	54 180528M1_55	1800893-07 WT1805020810KE 0.26992	29-May-18	01:18:15
55	55 180528M1_56	1800893-08 WR1805020830KE 0.27433	29-May-18	01:28:45
56	56 180528M1_57	1800893-09 WT1805020845KE 0.26534	29-May-18	01:39:15
57	57 180528M1_58	1800893-10 WT1805020910KE 0.26614	29-May-18	01:49:41
58	58 180528M1_59	1800895-01 SW-1 0.12978	29-May-18	02:00:11
59	59 180528M1_60	B8E0097-BS1 OPR 0.25	29-May-18	02:10:36
60	60 180528M1_61	B8E0097-BSD1 LCSD 0.25	29-May-18	02:21:06
61	61 180528M1_62	B8E0097-BLK1 Method Blank 0.25	29-May-18	02:31:31
62	62 180528M1_63	1800863-01 Bemidji Pilot APR2 lead 0.2...	29-May-18	02:42:01
63	63 180528M1_64	1800863-02 Bemidji Pilot PSR2 + 0.26433	29-May-18	02:52:26
64	64 180528M1_65	1800863-03 Bemidji Pilot INF 0.26399	29-May-18	03:02:56
65	65 180528M1_66	IPA	29-May-18	03:13:21
66	66 180528M1_67	ST180528M1-13 PFC CS3 18E2207	29-May-18	03:23:51
67	67 180528M1_68	ST180528M1-14 PFC CS0 18E2204	29-May-18	03:34:16
68	68 180528M1_69	IPA	29-May-18	03:44:46

Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 12:51:10 Pacific Daylight Time

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Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
69	69 180528M1_70	1800901-01 ACT Sample -16 0.23838	29-May-18	03:55:10
70	70 180528M1_71	1800901-02 ACT Sample -19 0.23487	29-May-18	04:05:40
71	71 180528M1_72	B8E0099-BS1 OPR 0.25	29-May-18	04:16:04
72	72 180528M1_73	B8E0099-BSD1 LCSD 0.25	29-May-18	04:26:35
73	73 180528M1_74	B8E0099-BLK1 Method Blank 0.25	29-May-18	04:37:00
74	74 180528M1_75	1800890-01 ACT Sample-10 0.24206	29-May-18	04:47:30
75	75 180528M1_76	1800890-02 ACT Sample-13 0.23172	29-May-18	04:58:00
76	76 180528M1_77	B8E0107-BS1 OPR 0.25	29-May-18	05:08:25
77	77 180528M1_78	B8E0107-BLK1 Method Blank 0.25	29-May-18	05:18:55
78	78 180528M1_79	B8E0107-MS1 Matrix Spike 0.24428	29-May-18	05:29:25
79	79 180528M1_80	B8E0107-MSD1 Matrix Spike Dup 0.259...	29-May-18	05:39:49
80	80 180528M1_81	B8E0107-MS2 Matrix Spike 0.25565	29-May-18	05:50:20
81	81 180528M1_82	B8E0107-MSD2 Matrix Spike Dup 0.250...	29-May-18	06:00:44
82	82 180528M1_83	1800905-01 MW-15 0.24279	29-May-18	06:11:14
83	83 180528M1_84	1800905-02 MW-15S 0.26385	29-May-18	06:21:39
84	84 180528M1_85	1800905-03 AHL S 0.25415	29-May-18	06:32:09
85	85 180528M1_86	1800905-04 MW-16 0.2575	29-May-18	06:42:34
86	86 180528M1_87	1800905-05 MW-13 0.24776	29-May-18	06:53:04
87	87 180528M1_88	1800905-06 MW-3D 0.24351	29-May-18	07:03:29
88	88 180528M1_89	IPA	29-May-18	07:14:00
89	89 180528M1_90	ST180528M1-15 PFC CS3 18E2207	29-May-18	07:24:25
90	90 180528M1_91	IPA	29-May-18	07:34:55
91	91 180528M1_92	1800905-07 MW-3S 0.24635	29-May-18	07:45:20
92	92 180528M1_93	1800905-08 MW-19 0.25231	29-May-18	07:55:51
93	93 180528M1_94	1800905-09 MW-19 (23.5-28.5) 0.24666	29-May-18	08:06:15
94	94 180528M1_95	1800905-10 MW-28 0.24805	29-May-18	08:16:45
95	95 180528M1_96	B8E0210-BS1 OPR 0.125	29-May-18	08:27:09
96	96 180528M1_97	B8E0210-BLK1 Method Blank 0.125	29-May-18	08:37:40
97	97 180528M1_98	1801010-01 GSUMW0050510180516G...	29-May-18	08:48:10
98	98 180528M1_99	1801010-02 MW0081819180517GSC 0...	29-May-18	08:58:35
99	99 180528M1_100	1801010-03 MW0083738180517RAP 0...	29-May-18	09:09:05
100	1... 180528M1_101	1801010-04 MW0052021180517MK 0.1...	29-May-18	09:19:30
101	1... 180528M1_102	1801010-05 MW0056061180517RAP 0....	29-May-18	09:30:00
102	1... 180528M1_103	1801010-06 MW0071920180517RAP 0...	29-May-18	09:40:22
103	1... 180528M1_104	IPA	29-May-18	09:50:52
104	1... 180528M1_105	ST180528M1-16 PFC CS3 18E2207	29-May-18	10:01:17

Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 12:51:10 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:52:16 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
105	1... 180528M1_106	IPA	29-May-18	10:11:47
106	1... 180528M1_107	1801010-07 MW0074849180517GSC 0...	29-May-18	10:22:12
107	1... 180528M1_108	1801010-08 MW0065051180517RAP 0...	29-May-18	10:32:42
108	1... 180528M1_109	1801010-09 MW0060510180517GSC 0...	29-May-18	10:43:08
109	1... 180528M1_110	1801010-10 MW0010308180518GSC 0...	29-May-18	10:53:38
110	1... 180528M1_111	1801010-11 MW0030207180518GSC 0...	29-May-18	11:04:03
111	1... 180528M1_112	1801010-12 MW0034647180518RAP 0...	29-May-18	11:14:34
112	1... 180528M1_113	1801010-13 GSUMW0031116180518G...	29-May-18	11:25:04
113	1... 180528M1_114	1801010-14 MW0093233180518RAP 0...	29-May-18	11:35:29
114	1... 180528M1_115	1801010-15 MW0091516180518MK 0...	29-May-18	11:45:59
115	1... 180528M1_116	IPA	29-May-18	11:56:24
116	1... 180528M1_117	ST180528M1-17 PFC CS3 18E2207	29-May-18	12:06:54
117	1... 180528M1_118	IPA	29-May-18	12:17:25

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-117.qld

Last Altered: Wednesday, May 30, 2018 12:37:29 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 12:38:56 Pacific Daylight Time

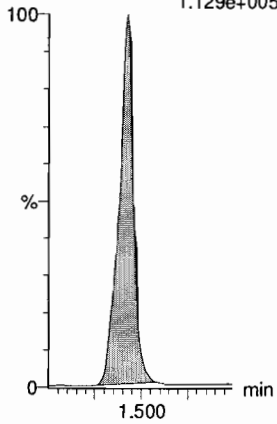
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Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_117, Date: 29-May-2018, Time: 12:06:54, ID: ST180528M1-17 PFC CS3 18E2207, Description: PFC CS3 18E2207

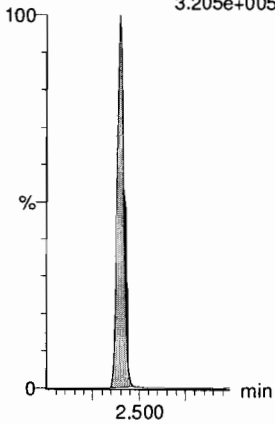
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
1.129e+005



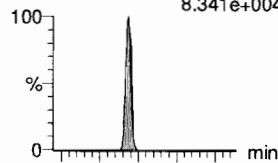
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
3.205e+005

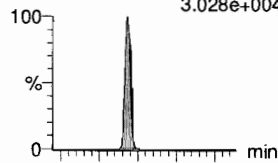


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
8.341e+004

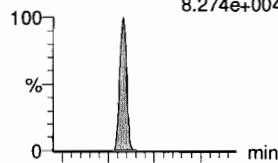


F7:MRM of 2 channels,ES-
299.0 > 99.0
3.028e+004

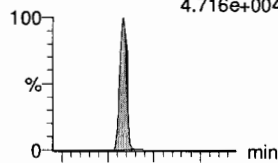


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
8.274e+004

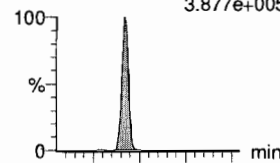


F12:MRM of 2 channels,ES-
327.2 > 81.1
4.716e+004

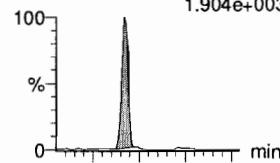


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
3.877e+005

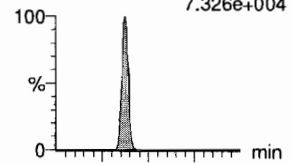


F9:MRM of 2 channels,ES-
313.2 > 119
1.904e+003

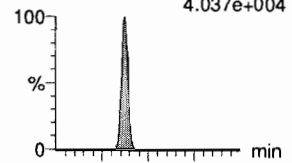


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
7.326e+004

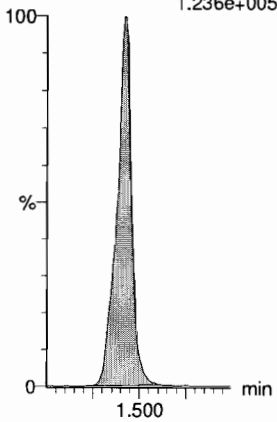


F15:MRM of 2 channels,ES-
349.1 > 99
4.037e+004



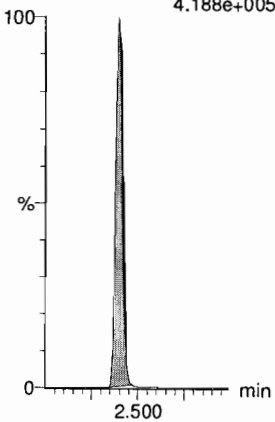
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
1.236e+005



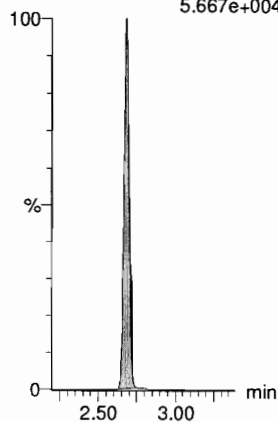
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
4.188e+005



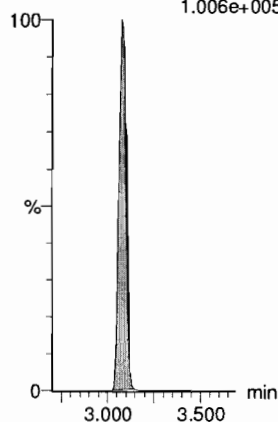
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
5.667e+004



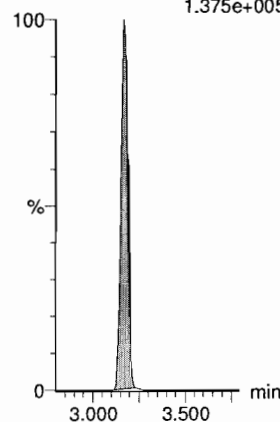
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
1.006e+005



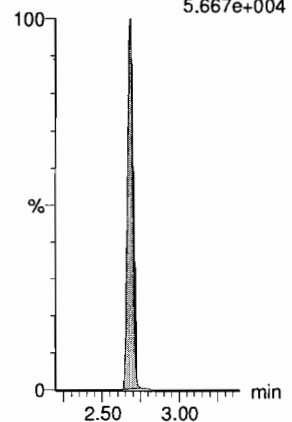
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
1.375e+005



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
5.667e+004



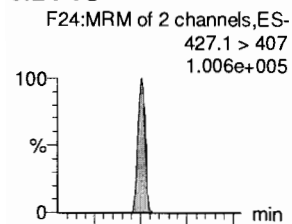
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Last Altered: Wednesday, May 30, 2018 12:37:29 Pacific Daylight Time

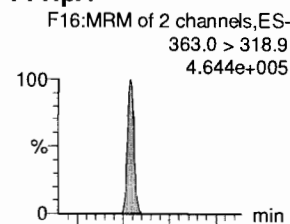
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Name: 180528M1_117, Date: 29-May-2018, Time: 12:06:54, ID: ST180528M1-17 PFC CS3 18E2207, Description: PFC CS3 18E2207

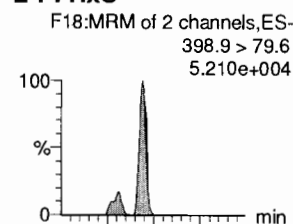
6:2 FTS



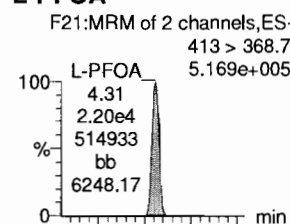
PFHpA



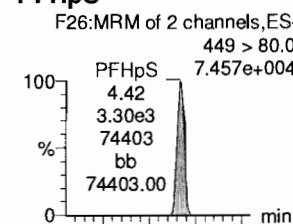
L-PFHxS



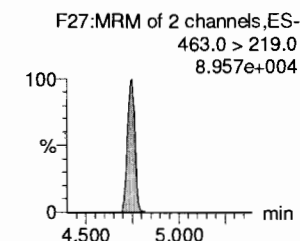
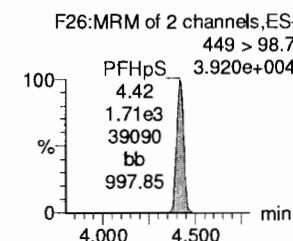
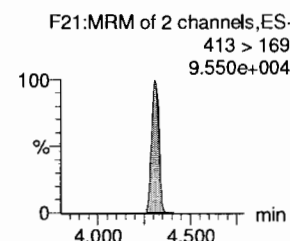
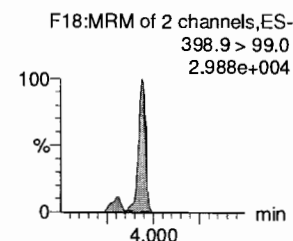
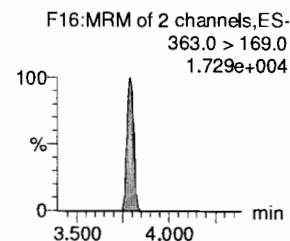
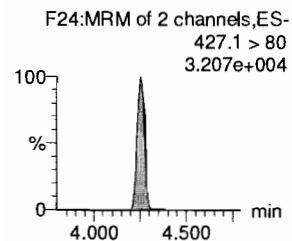
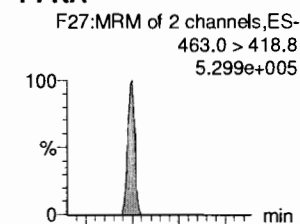
L-PFOA



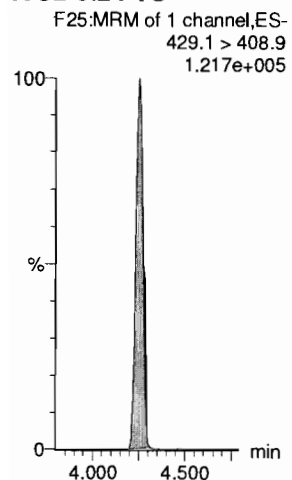
PFHpS



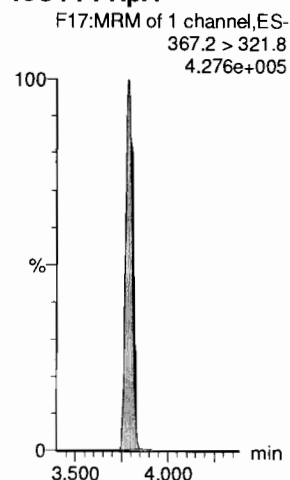
PFNA



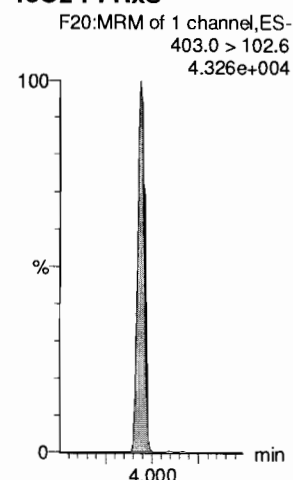
13C2-6:2 FTS



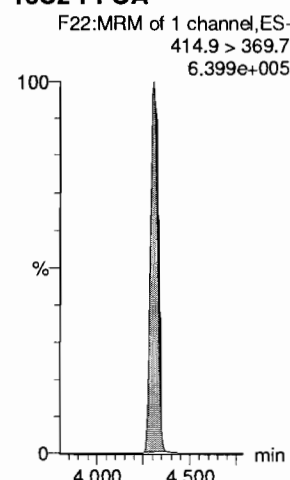
13C4-PFHpA



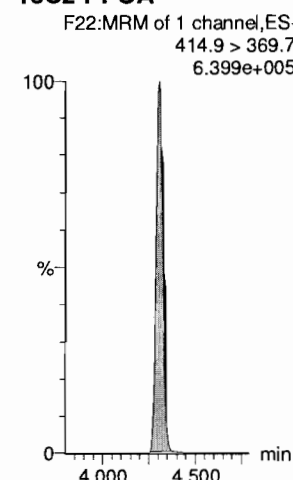
18O2-PFHxS



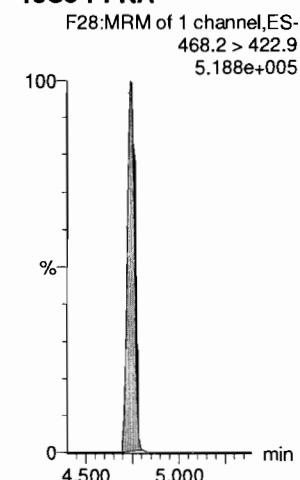
13C2-PFOA



13C2-PFOA



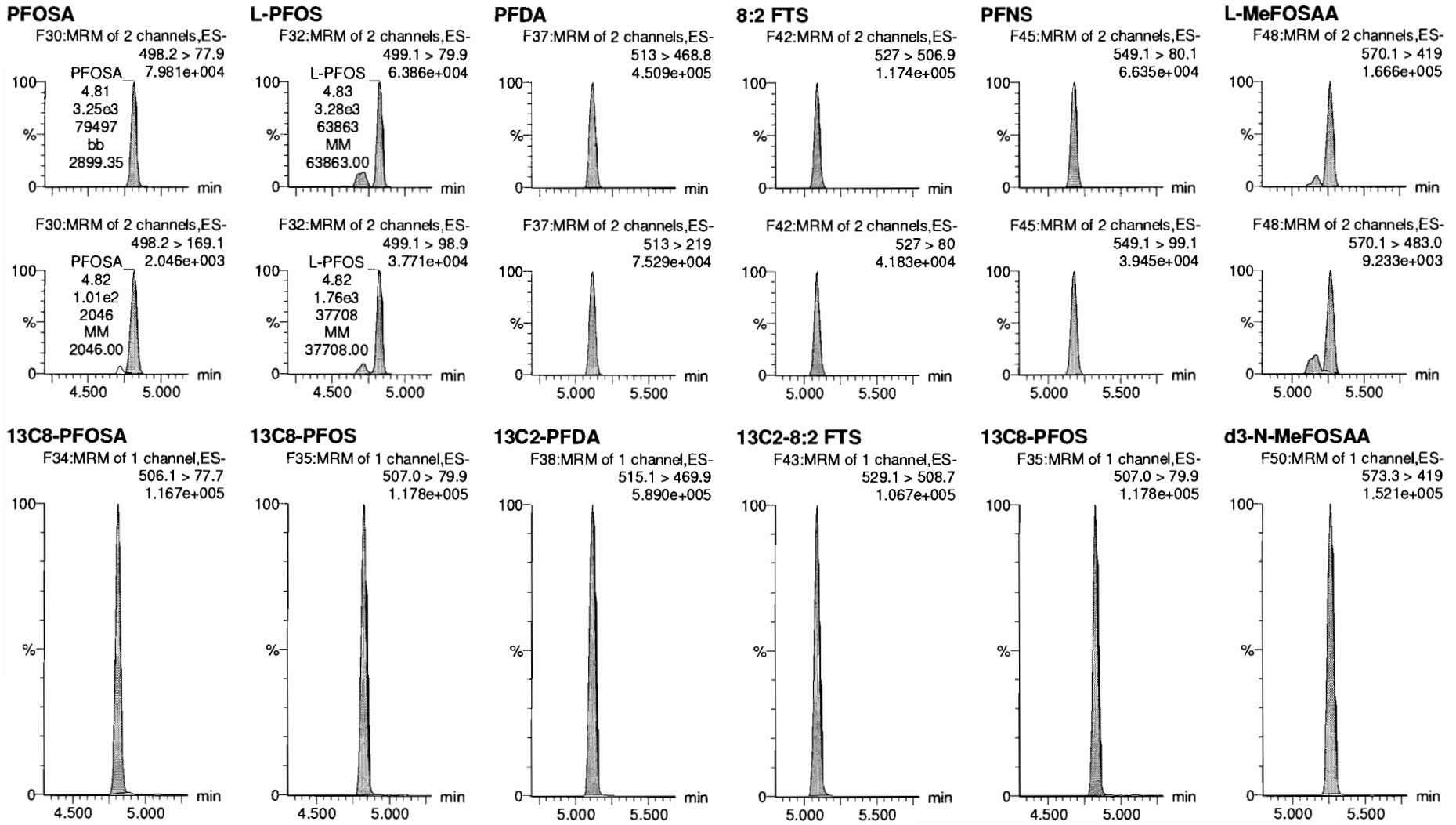
13C5-PFNA



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Last Altered: Wednesday, May 30, 2018 12:37:29 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:38:56 Pacific Daylight Time

Name: 180528M1_117, Date: 29-May-2018, Time: 12:06:54, ID: ST180528M1-17 PFC CS3 18E2207, Description: PFC CS3 18E2207



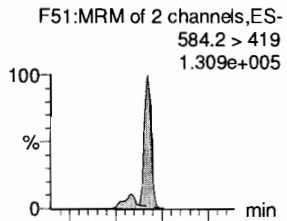
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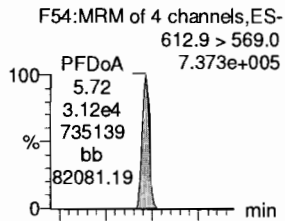
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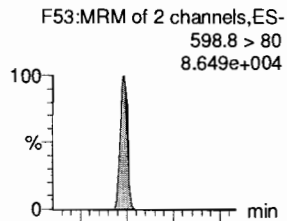
L-EtFOSAA



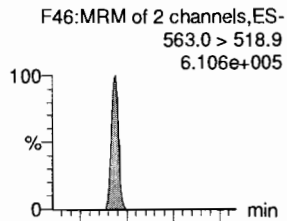
PFDaA



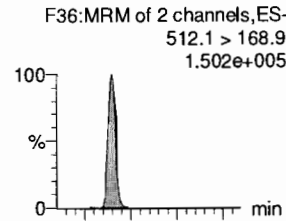
PFDS



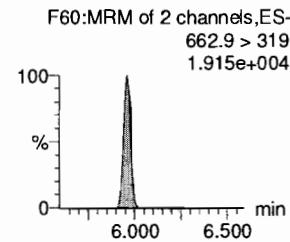
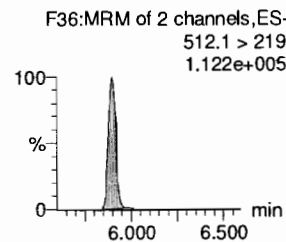
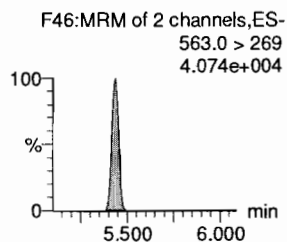
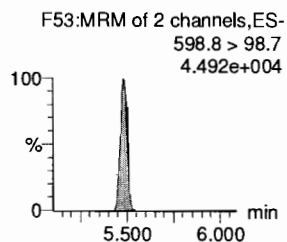
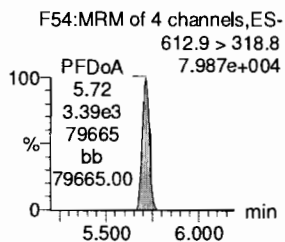
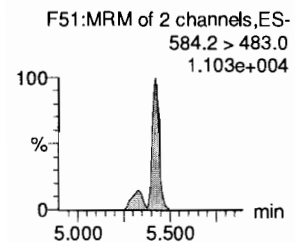
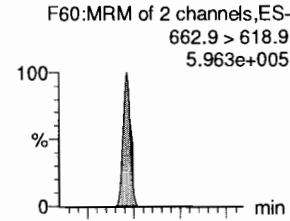
PFUdA



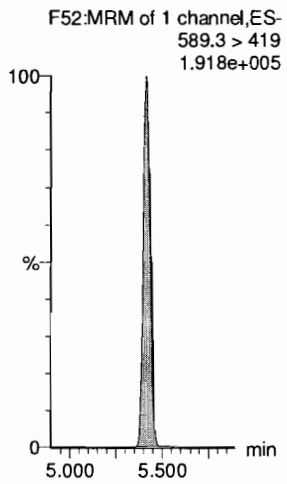
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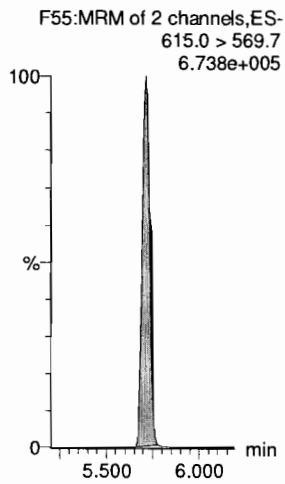
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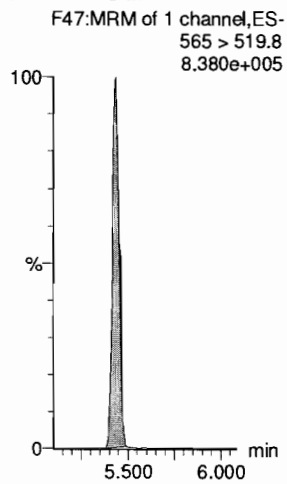
d5-N-EtFOSAA



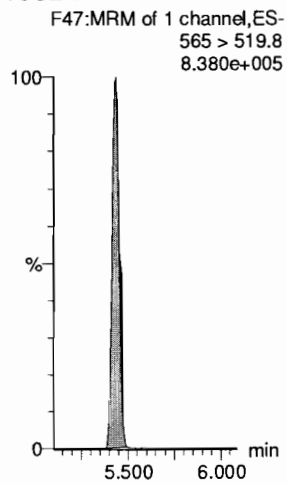
13C2-PFDaA



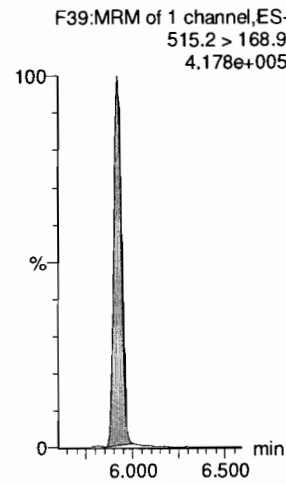
13C2-PFUdA



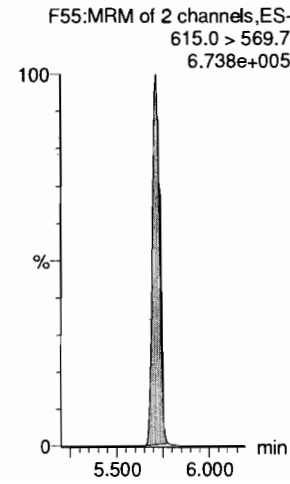
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA



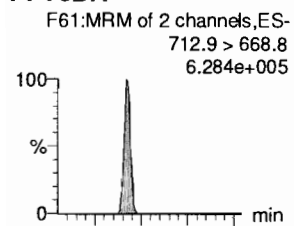
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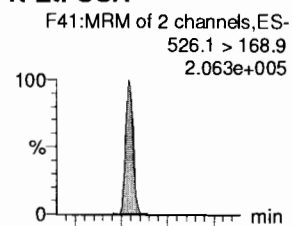
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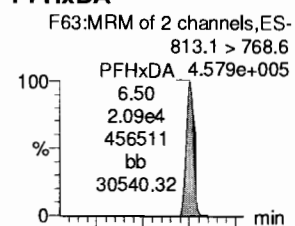
PFTeDA



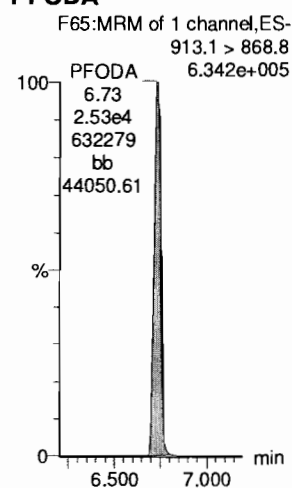
N-EtFOSA



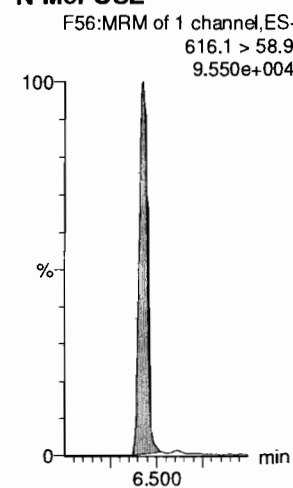
PFHxDA



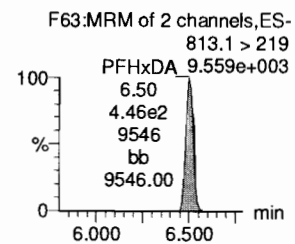
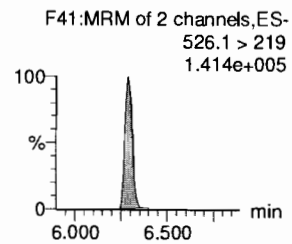
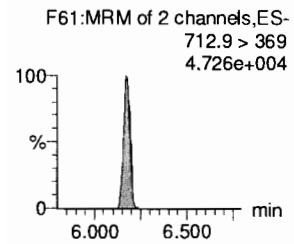
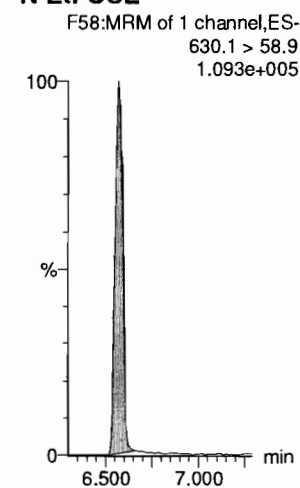
PFODA



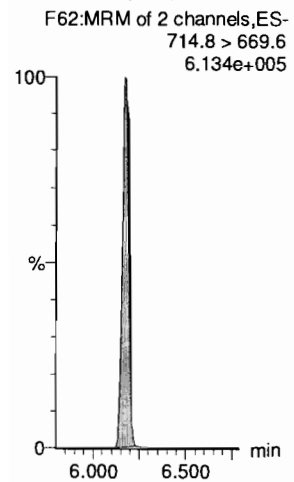
N-MeFOSE



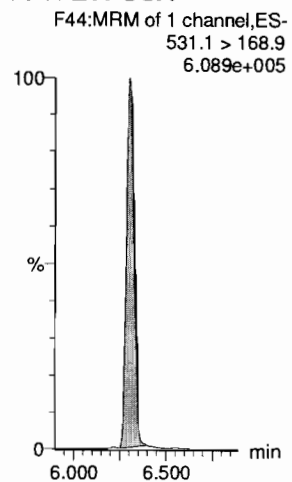
N-EtFOSE



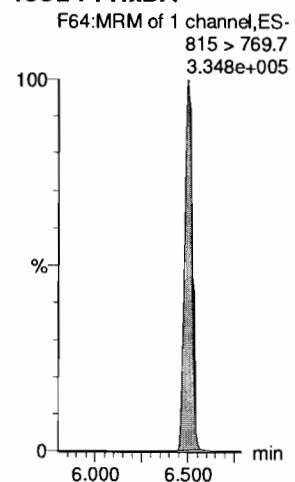
13C2-PFTeDA



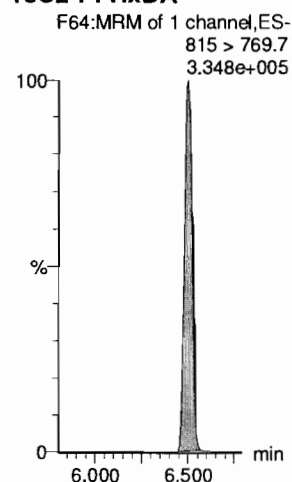
d5-N-ETFOSA



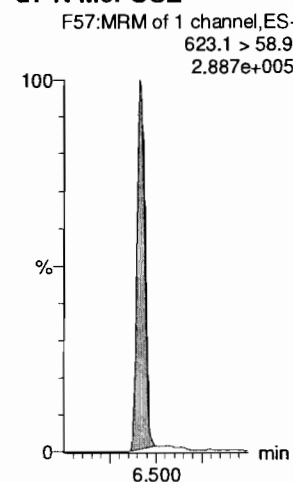
13C2-PFHxDA



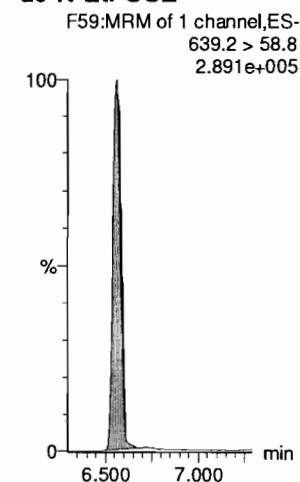
13C2-PFODA



d7-N-MeFOSE



d9-N-EtFOSE



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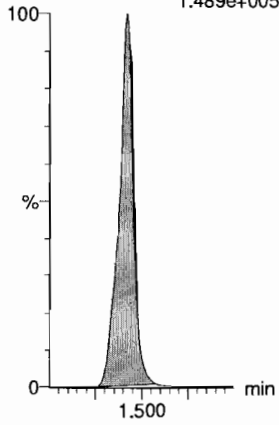
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Printed: Wednesday, May 30, 2018 12:38:56 Pacific Daylight Time

Name: 180528M1_117, Date: 29-May-2018, Time: 12:06:54, ID: ST180528M1-17 PFC CS3 18E2207, Description: PFC CS3 18E2207

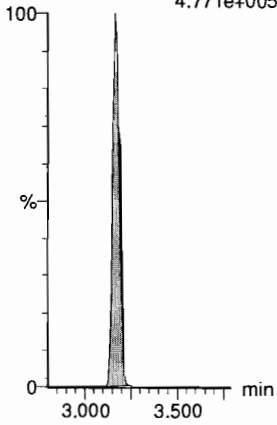
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.489e+005



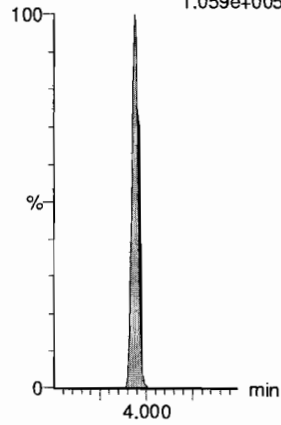
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.771e+005



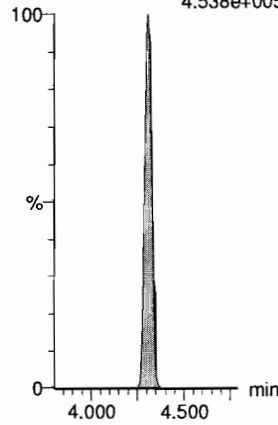
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
1.059e+005



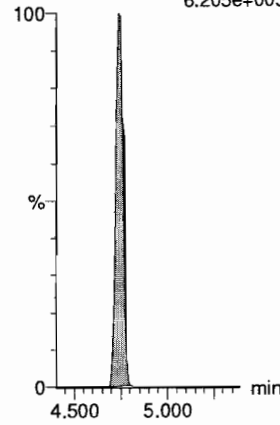
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
4.538e+005



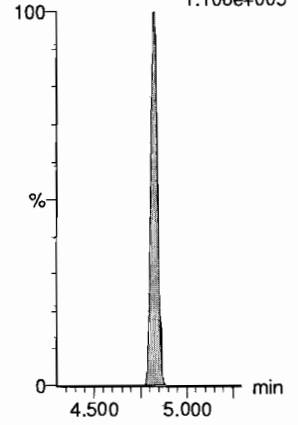
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
6.205e+005



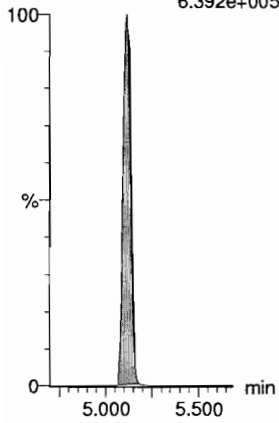
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
1.106e+005



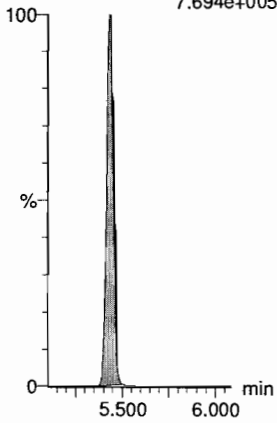
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
6.392e+005



13C7-PFuDA

F49:MRM of 1 channel,ES-
570.1 > 524.8
7.694e+005



LC Calibration Standards Review Checklist

Q4

Calibration ID:	ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	
<u>ST180603M2-11</u> LMH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A ↓
<u>-12</u> LMH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>-13</u> LMH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>-14</u> LMH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>-15</u> LMH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>-16</u> LMH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>-17</u> LMH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>-18</u> LMH	<input type="checkbox"/>	<input style="text-align: center;" type="checkbox"/> A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>LMH</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>LMH</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Full Mass Cal. Date: 5/30/18

- Run Log Present:
- # of Samples per Sequence Checked:
- Instrument Blank Saved:
- IIS Area Saved:
- Reviewed By: AD 6/5/18
Initials/Date

Comments:
 (A) PFDOA < 10%.

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-28.qld

VAD 6/5/18

Last Altered: Monday, June 04, 2018 14:18:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:18:24 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_28, Date: 03-Jun-2018, Time: 22:42:58, ID: ST180603M2-11 PFC CS3 18E2907, Description: PFC CS3 18E2907

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 16...	1.02e4	1.13e4		1.40	1.39	11.3	10.1	100.5	NO		
2	2 PFPeA	263.1 > 21...	1.27e4	1.53e4		2.35	2.35	10.4	10.3	102.9	NO		
3	3 PFBS	299.0 > 79.7	3.16e3	1.94e3		2.64	2.64	20.4	10.4	104.4	NO	2.640	NO
4	4 4:2 FTS	327.2>307.2	3.89e3	4.20e3		3.04	3.04	11.6	10.2	102.3	NO	1.932	NO
5	5 PFHxA	313.2 > 26...	1.70e4	5.22e3		3.13	3.13	16.3	10.6	106.2	NO	275.627	YES
6	6 PFPeS	349.1>80.1	2.69e3	1.94e3		3.34	3.33	17.4	9.46	94.6	NO	1.596	NO
7	7 PFHpA	363.0 > 31...	1.52e4	1.61e4		3.74	3.74	11.8	10.2	102.5	NO	19.074	NO
8	8 L-PFHxS	398.9 > 79.6	2.33e3	1.55e3		3.89	3.89	18.8	9.78	97.8	NO	1.571	NO
9	10 6:2 FTS	427.1 > 407	4.30e3	4.33e3		4.19	4.20	12.4	10.6	106.2	NO	3.062	NO
10	11 L-PFOA	413 > 368.7	1.84e4	2.28e4		4.25	4.25	10.1	10.2	101.8	NO	4.115	NO
11	13 PFHpS	449 > 80.0	3.21e3	2.28e4		4.36	4.36	1.76	10.9	109.0	NO	1.984	NO
12	14 PFNA	463.0 > 41...	2.21e4	1.87e4		4.68	4.68	14.8	11.0	109.6	NO	4.793	NO
13	15 PFOSA	498.2 > 77.9	2.93e3	4.01e3		4.75	4.76	9.13	10.8	107.7	NO	23.146	NO
14	16 L-PFOS	499.1 > 79.9	2.77e3	4.15e3		4.77	4.77	8.33	9.09	90.9	NO	1.795	NO
15	18 PFDA	513 > 468.8	2.57e4	3.03e4		5.06	5.05	10.6	10.4	104.4	NO	6.718	NO
16	19 8:2 FTS	527 > 506.9	4.54e3	3.90e3		5.03	5.03	14.6	10.3	102.8	NO	3.215	NO
17	20 PFNS	549.1>80.1	2.49e3	4.15e3		5.13	5.12	7.50	9.33	93.3	NO	1.675	NO
18	21 L-MeFOSAA	570.1 > 419	8.48e3	5.90e3		5.22	5.20	18.0	8.94	89.4	NO	13.849	NO
19	23 L-EtFOSAA	584.2 > 419	6.24e3	7.25e3		5.37	5.36	10.8	9.04	90.4	NO	12.069	NO

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-28.qld

Last Altered: Monday, June 04, 2018 14:18:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:18:34 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_28, Date: 03-Jun-2018, Time: 22:42:58, ID: ST180603M2-11 PFC CS3 18E2907, Description: PFC CS3 18E2907

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	25 PFUDa	563.0 > 51...	2.15e4	2.61e4		5.39	5.37	10.3	11.2	112.3	NO	11.934	NO
2	26 PFDS	598.8 > 80	3.46e3	2.61e4		5.44	5.42	1.66	10.9	109.4	NO	2.225	NO
3	27 PFDoA	612.9 > 56...	2.95e4	2.56e4		5.67	5.65	14.4	10.3	102.6	NO	8.775	NO
4	28 N-MeFOSA	512.1 > 16...	6.25e3	1.74e4		5.83	5.87	53.8	52.1	104.1	NO	1.387	NO
5	29 PFTeDA	662.9 > 61...	2.79e4	2.56e4		5.92	5.89	13.6	9.47	94.7	NO	31.479	NO
6	30 PFTeDA	712.9 > 66...	2.17e4	1.94e4		6.14	6.11	14.0	12.8	127.9	NO	12.762	NO
7	31 N-EtFOSA	526.1 > 16...	7.44e3	2.30e4		6.24	6.25	48.5	53.0	106.0	NO	1.574	NO
8	32 PFHxDA	813.1 > 76...	1.47e4	1.23e4		6.48	6.44	5.94	9.94	99.4	NO	39.764	NO
9	33 PFODA	913.1 > 86...	2.24e4	1.23e4		6.71	6.67	9.10	11.7	117.1	NO		
10	34 N-MeFOSE	616.1 > 58.9	4.00e3	1.18e4		6.41	6.38	50.8	51.8	103.5	NO		
11	35 N-EtFOSE	630.1 > 58.9	4.66e3	1.12e4		6.56	6.53	62.3	50.5	101.0	NO		
12	36 13C3-PFBA	216.1 > 17...	1.13e4	1.27e4	0.892	1.33	1.39	11.2	12.5	100.2	NO		
13	37 13C3-PFPeA	266. > 221.8	1.53e4	1.83e4	0.848	2.32	2.35	10.4	12.3	98.5	NO		
14	38 13C3-PFBS	302. > 98.8	1.94e3	1.83e4	0.102	2.61	2.64	1.32	12.9	103.5	NO		
15	39 13C2-4:2 FTS	329.2>308.9	4.20e3	1.83e4	0.231	3.02	3.04	2.86	12.4	99.1	NO		
16	40 13C2-PFHxA	315 > 269.8	5.22e3	1.83e4	0.744	3.10	3.13	3.56	4.78	95.7	NO		
17	41 13C4-PFHpA	367.2 > 32...	1.61e4	1.83e4	0.841	3.72	3.74	11.0	13.1	104.4	NO		
18	42 18O2-PFHxS	403.0 > 10...	1.55e3	4.12e3	0.415	3.87	3.89	4.71	11.4	90.9	NO		
19	43 13C2-6:2 FTS	429.1 > 40...	4.33e3	1.82e4	0.232	4.19	4.20	2.97	12.8	102.8	NO		
20	44 13C2-PFOA	414.9 > 36...	2.28e4	1.82e4	1.256	4.25	4.25	15.7	12.5	100.0	NO		
21	45 13C5-PFNA	468.2 > 42...	1.87e4	2.27e4	0.960	4.69	4.69	10.3	10.7	85.8	NO		
22	46 13C8-PFOA	506.1 > 77.7	4.01e3	2.60e4	0.145	4.75	4.76	1.93	13.3	106.4	NO		
23	47 13C8-PFOS	507.0 > 79.9	4.15e3	3.97e3	1.047	4.77	4.77	13.1	12.5	99.8	NO		
24	48 13C2-PFDA	515.1 > 46...	3.03e4	2.09e4	1.118	5.06	5.05	18.1	16.2	129.8	NO		
25	49 13C2-8:2 FTS	529.1 > 50...	3.90e3	1.83e4	0.211	5.03	5.03	2.66	12.6	100.8	NO		
26	50 d3-N-MeFOSAA	573.3 > 419	5.90e3	2.60e4	0.182	5.21	5.20	2.84	15.5	124.4	NO		
27	51 d5-N-EtFOSAA	589.3 > 419	7.25e3	2.60e4	0.223	5.37	5.36	3.49	15.7	125.4	NO		
28	52 13C2-PFUDa	565 > 519.8	2.61e4	2.60e4	0.958	5.39	5.37	12.5	13.1	104.7	NO		
29	53 13C2-PFDoA	615.0 > 56...	2.56e4	2.09e4	1.138	5.67	5.65	15.3	13.5	107.9	NO		
30	54 d3-N-MeFOSA	515.2 > 16...	1.74e4	2.60e4	0.051	5.85	5.90	8.38	165	109.9	NO		
31	55 13C2-PFTeDA	714.8 > 66...	1.94e4	2.60e4	0.862	6.14	6.11	9.35	10.9	86.8	NO		
32	56 d5-N-ETFOSA	531.1 > 16...	2.30e4	2.60e4	0.066	6.26	6.27	11.1	167	111.4	NO		

GM 6/4/2018

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-28.qld

Last Altered: Monday, June 04, 2018 14:18:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:18:34 Pacific Daylight Time

Name: 180603M2_28, Date: 03-Jun-2018, Time: 22:42:58, ID: ST180603M2-11 PFC CS3 18E2907, Description: PFC CS3 18E2907

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
33	57 13C2-PFHxDA	815 > 769.7	1.23e4	2.60e4	1.173	6.48	6.44	5.93	5.06	101.1	NO		
34	58 d7-N-MeFOSE	623.1 > 58.9	1.18e4	2.60e4	0.038	6.40	6.37	5.68	151	100.7	NO		
35	59 d9-N-EtFOSE	639.2 > 58.8	1.12e4	2.60e4	0.035	6.54	6.52	5.40	153	101.9	NO		
36	60 13C4-PFBA	217. > 171.8	1.27e4	1.27e4	1.000	1.33	1.39	12.5	12.5	100.0	NO		
37	61 13C5-PFHxA	318 > 272.9	1.83e4	1.83e4	1.000	3.10	3.13	12.5	12.5	100.0	NO		
38	62 13C3-PFHxS	401.9 > 79.9	4.12e3	4.12e3	1.000	3.87	3.89	12.5	12.5	100.0	NO		
39	63 13C8-PFOA	421.3 > 376	1.82e4	1.82e4	1.000	4.25	4.25	12.5	12.5	100.0	NO		
40	64 13C9-PFNA	472.2 > 42...	2.27e4	2.27e4	1.000	4.69	4.69	12.5	12.5	100.0	NO		
41	65 13C4-PFOS	503 > 79.9	3.97e3	3.97e3	1.000	4.77	4.77	12.5	12.5	100.0	NO		
42	66 13C6-PFDA	519.1 > 47...	2.09e4	2.09e4	1.000	5.06	5.05	12.5	12.5	100.0	NO		
43	67 13C7-PFUdA	570.1 > 52...	2.60e4	2.60e4	1.000	5.39	5.37	12.5	12.5	100.0	NO		

Dataset: Untitled

Last Altered: Tuesday, June 05, 2018 09:19:21 Pacific Daylight Time
 Printed: Tuesday, June 05, 2018 09:20:15 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34
 Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	180603M2_1	IPA	03-Jun-18	17:55:38
2	180603M2_2	ST180603M2-2 PFC CS-2 18E2902	03-Jun-18	18:07:52
3	180603M2_3	ST180603M2-2 PFC CS-1 18E2903	03-Jun-18	18:18:22
4	180603M2_4	ST180603M2-3 PFC CS0 18E2904	03-Jun-18	18:28:47
5	180603M2_5	ST180603M2-4 PFC CS1 18E2905	03-Jun-18	18:39:17
6	180603M2_6	ST180603M2-5 PFC CS2 18E2906	03-Jun-18	18:49:42
7	180603M2_7	ST180603M2-6 PFC CS3 18E2907	03-Jun-18	19:00:12
8	180603M2_8	ST180603M2-7 PFC CS4 18E2908	03-Jun-18	19:10:37
9	180603M2_9	ST180603M2-8 PFC CS5 18E2909	03-Jun-18	19:21:07
10	180603M2_10	ST180603M2-9 PFC CS6 18E2910	03-Jun-18	19:31:33
11	180603M2_11	ST180603M2-10 PFC CS7 18E2911	03-Jun-18	19:42:03
12	180603M2_12	IPA	03-Jun-18	19:52:27
13	180603M2_13	ICV180603M2-1 PFC 537 ICV 18E2901	03-Jun-18	20:02:58
14	180603M2_14	IPA	03-Jun-18	20:13:28
15	180603M2_15	B8F0002-BS1 OPR 0.125	03-Jun-18	20:27:03
16	180603M2_16	B8F0002-BLK1 Method Blank 0.125	03-Jun-18	20:37:28
17	180603M2_17	1801010-01RE1 GSUMW00505101805...	03-Jun-18	20:47:59
18	180603M2_18	1801010-02RE1 MW0081819180517G...	03-Jun-18	20:58:23
19	180603M2_19	1801010-03RE1 MW0083738180517R...	03-Jun-18	21:08:54
20	180603M2_20	1801010-04RE1 MW0052021180517M...	03-Jun-18	21:19:18
21	180603M2_21	1801010-05RE1 MW0056061180517R...	03-Jun-18	21:29:49
22	180603M2_22	1801010-06RE1 MW0071920180517R...	03-Jun-18	21:40:13
23	180603M2_23	1801010-07RE1 MW0074849180517G...	03-Jun-18	21:50:44
24	180603M2_24	1801010-08RE1 MW0065051180517R...	03-Jun-18	22:01:08
25	180603M2_25	1801010-09RE1 MW0060510180517G...	03-Jun-18	22:11:39
26	180603M2_26	1801010-10RE1 MW0010308180518G...	03-Jun-18	22:22:04
27	180603M2_27	IPA	03-Jun-18	22:32:34
28	180603M2_28	ST180603M2-11 PFC CS3 18E2907	03-Jun-18	22:42:58
29	180603M2_29	IPA	03-Jun-18	22:53:29
30	180603M2_30	1801010-11RE1 MW0030207180518G...	03-Jun-18	23:03:59
31	180603M2_31	1801010-12RE1 MW0034647180518R...	03-Jun-18	23:14:25
32	180603M2_32	1801010-13RE1 GSUMW00311161805...	03-Jun-18	23:24:55

Dataset: Untitled

Last Altered: Tuesday, June 05, 2018 09:19:21 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 09:20:15 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 180603M2_33	1801010-14RE1 MW0093233180518R...	03-Jun-18	23:35:20
34	34 180603M2_34	1801010-15RE1 MW0091516180518M...	03-Jun-18	23:45:50
35	35 180603M2_35	B8F0004-BS1 OPR 0.125	03-Jun-18	23:56:15
36	36 180603M2_36	B8F0004-BS1 LCSD 0.125	04-Jun-18	00:06:45
37	37 180603M2_37	B8F0004-BLK1 Method Blank 0.125	04-Jun-18	00:17:09
38	38 180603M2_38	1801039-01 A1-MW-13-SA1 0.10967	04-Jun-18	00:27:40
39	39 180603M2_39	1801039-02 A1-MW-11-SA1 0.11624	04-Jun-18	00:38:04
40	40 180603M2_40	1801039-03 A1-MW-14-SA1 0.11194	04-Jun-18	00:48:35
41	41 180603M2_41	1801039-04 A1-MW-15-SA1 0.11248	04-Jun-18	00:59:00
42	42 180603M2_42	1801039-07 A1-MW-25-SA1 0.11252	04-Jun-18	01:09:30
43	43 180603M2_43	1801039-08 FRB-20180524 0.11695	04-Jun-18	01:19:55
44	44 180603M2_44	B8F0003-BS1 OPR 0.125	04-Jun-18	01:30:25
45	45 180603M2_45	B8F0003-BLK1 Method Blank 0.125	04-Jun-18	01:40:51
46	46 180603M2_46	IPA	04-Jun-18	01:51:22
47	47 180603M2_47	ST180603M2-12 PFC CS3 18E2907	04-Jun-18	02:01:52
48	48 180603M2_48	IPA	04-Jun-18	02:12:16
49	49 180603M2_49	1800937-01RE1 CL1TMW0118180503...	04-Jun-18	02:22:47
50	50 180603M2_50	1800937-02RE1 CL1TMW0405180504...	04-Jun-18	02:33:17
51	51 180603M2_51	1800937-03RE1 CL1SW0300180508N ...	04-Jun-18	02:43:42
52	52 180603M2_52	1800937-04RE1 CL1SW0400180508N ...	04-Jun-18	02:54:12
53	53 180603M2_53	1800937-05RE1 CL1SW0500180508N ...	04-Jun-18	03:04:35
54	54 180603M2_54	1800937-06RE1 CL1DR0100180508N ...	04-Jun-18	03:15:06
55	55 180603M2_55	1800937-07RE1 CL1DR0300180508N ...	04-Jun-18	03:25:30
56	56 180603M2_56	1800937-08RE1 CL1DR0200180509N ...	04-Jun-18	03:36:00
57	57 180603M2_57	1800937-09RE1 CL1SW0100180509N ...	04-Jun-18	03:46:30
58	58 180603M2_58	1800937-10RE1 CL1SW0200180509N ...	04-Jun-18	03:56:55
59	59 180603M2_59	IPA	04-Jun-18	04:07:25
60	60 180603M2_60	ST180603M2-13 PFC CS3 18E2907	04-Jun-18	04:17:50
61	61 180603M2_61	IPA	04-Jun-18	04:28:21
62	62 180603M2_62	ST180603M2-14 PFC CS0 18E2904	04-Jun-18	04:38:46
63	63 180603M2_63	IPA	04-Jun-18	04:49:16
64	64 180603M2_64	1800882-02RE1 731 0.12084	04-Jun-18	04:59:39
65	65 180603M2_65	1800882-03RE1 781 0.11874	04-Jun-18	05:10:10
66	66 180603M2_66	1800882-04RE1 702 0.11993	04-Jun-18	05:20:35
67	67 180603M2_67	1800882-05RE1 Trip Blank 0.12132	04-Jun-18	05:31:05
68	68 180603M2_68	1800882-06RE1 Trip Blank 0.12059	04-Jun-18	05:41:30

Dataset: Untitled

Last Altered: Tuesday, June 05, 2018 09:19:21 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 09:20:15 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
69	69 180603M2_69	B8E0215-BS1 OPR 1	04-Jun-18	05:52:00
70	70 180603M2_70	B8E0215-BLK1 Method Blank 1	04-Jun-18	06:02:25
71	71 180603M2_71	1800935-05 CL1MC0100180509N 1.11	04-Jun-18	06:12:55
72	72 180603M2_72	B8E0212-BS1 OPR 5	04-Jun-18	06:23:20
73	73 180603M2_73	B8E0212-BLK1 Method Blank 5	04-Jun-18	06:33:50
74	74 180603M2_74	1801036-01 Milk 5	04-Jun-18	06:44:15
75	75 180603M2_75	B8E0173-BS1 OPR 0.25	04-Jun-18	06:54:46
76	76 180603M2_76	B8E0173-BLK1 Method Blank 0.25	04-Jun-18	07:05:11
77	77 180603M2_77	1800999-01 DPH-MW10 0.11774	04-Jun-18	07:15:41
78	78 180603M2_78	1800999-02 DPH-MW19 0.12462	04-Jun-18	07:26:05
79	79 180603M2_79	1800999-03 DPH-MW23 0.1216	04-Jun-18	07:36:36
80	80 180603M2_80	IPA	04-Jun-18	07:47:01
81	81 180603M2_81	ST180603M2-15 PFC CS3 18E2907	04-Jun-18	07:57:31
82	82 180603M2_82	IPA	04-Jun-18	08:07:56
83	83 180603M2_83	1800837-12 REEPDW409FRB 0.12029	04-Jun-18	08:18:27
84	84 180603M2_84	B8E0169-BS1 OPR 0.125	04-Jun-18	08:28:51
85	85 180603M2_85	B8E0169-BSD1 LCSD 0.125	04-Jun-18	08:39:22
86	86 180603M2_86	B8E0169-BLK1 Method Blank 0.125	04-Jun-18	08:49:47
87	87 180603M2_87	1800954-01 REEPDW499 0.12056	04-Jun-18	09:00:17
88	88 180603M2_88	1800954-02 REEPDW1007 0.11869	04-Jun-18	09:10:47
89	89 180603M2_89	1800954-03 REEPDW1008 0.11591	04-Jun-18	09:21:11
90	90 180603M2_90	1800954-04 REEPDW1009 0.11871	04-Jun-18	09:31:42
91	91 180603M2_91	1800954-05 REEPDW1010 0.1202	04-Jun-18	09:42:06
92	92 180603M2_92	1800954-06 REEPDW550 0.11863	04-Jun-18	09:52:36
93	93 180603M2_93	1800954-07 REEPDW1011 0.11919	04-Jun-18	10:03:01
94	94 180603M2_94	1800954-08 REEPDW1012 0.11288	04-Jun-18	10:13:31
95	95 180603M2_95	1800954-09 REEPDW1001 0.12106	04-Jun-18	10:23:57
96	96 180603M2_96	1800954-10 REEPDW1003 0.11189	04-Jun-18	10:34:27
97	97 180603M2_97	IPA	04-Jun-18	10:44:52
98	98 180603M2_98	ST180603M2-16 PFC CS3 18E2907	04-Jun-18	10:55:22
99	99 180603M2_99	IPA	04-Jun-18	11:05:53
100	1... 180603M2_100	1800954-11 REEPDW1004 0.11763	04-Jun-18	11:16:18
101	1... 180603M2_101	1800954-12 REEPDW1006 0.11887	04-Jun-18	11:26:48
102	1... 180603M2_102	1800954-13 REEPDW1013 0.11579	04-Jun-18	11:37:13
103	1... 180603M2_103	1800954-14 REEPDW1014 0.11881	04-Jun-18	11:47:43
104	1... 180603M2_104	1800954-15 REEPDW1002 0.12307	04-Jun-18	11:58:08

Dataset: Untitled

Last Altered: Tuesday, June 05, 2018 09:19:21 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 09:20:15 Pacific Daylight Time

Compound name: PFBA

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106	1... 180603M2_106	B8E0167-BS1 OPR 0.125	04-Jun-18	12:19:02
107	1... 180603M2_107	B8E0167-BSD1 LCSD 0.125	04-Jun-18	12:29:32
108	1... 180603M2_108	B8E0167-BLK1 Method Blank 0.125	04-Jun-18	12:39:56
109	1... 180603M2_109	1800982-01 REEPDW1037 0.11872	04-Jun-18	12:50:27
110	1... 180603M2_110	1800982-02 REEPDW1048 0.12739	04-Jun-18	13:00:57
111	1... 180603M2_111	1800982-03 REEPDW1049 0.12389	04-Jun-18	13:11:23
112	1... 180603M2_112	1800982-04 REEPDW1050 0.12048	04-Jun-18	13:21:53
113	1... 180603M2_113	IPA	04-Jun-18	13:32:17
114	1... 180603M2_114	ST180603M2-17 PFC CS3 18E2907	04-Jun-18	13:42:48
115	1... 180603M2_115	IPA	04-Jun-18	13:53:18
116	1... 180603M2_116	1800982-05 REEPDW554 0.11977	04-Jun-18	14:03:43
117	1... 180603M2_117	1800982-06 REEPDW1043 0.12141	04-Jun-18	14:14:13
118	1... 180603M2_118	B8E0141-BS1 OPR 0.125	04-Jun-18	14:24:38
119	1... 180603M2_119	B8E0224-BSD1 LCSD 0.125	04-Jun-18	14:35:08
120	1... 180603M2_120	B8E0224-BS1 OPR 0.125	04-Jun-18	14:45:32
121	1... 180603M2_121	B8E0224-BLK1 Method Blank 0.125	04-Jun-18	14:56:03
122	1... 180603M2_122	1800952-13RE1 REEPDW488 0.11053	04-Jun-18	15:06:25
123	1... 180603M2_123	IPA	04-Jun-18	15:16:56
124	1... 180603M2_124	ST180603M2-18 PFC CS3 18E2907	04-Jun-18	15:27:21
125	1... 180603M2_125	IPA	04-Jun-18	15:37:51

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-28.qld

Last Altered: Monday, June 04, 2018 14:18:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:18:34 Pacific Daylight Time

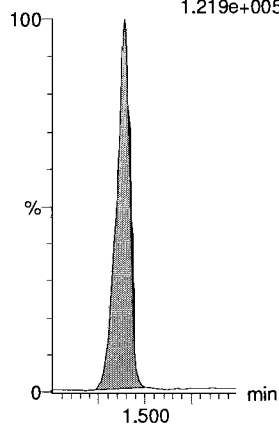
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_28, Date: 03-Jun-2018, Time: 22:42:58, ID: ST180603M2-11 PFC CS3 18E2907, Description: PFC CS3 18E2907

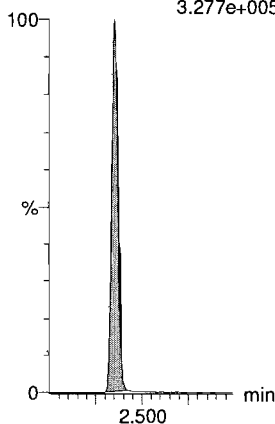
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
1.219e+005



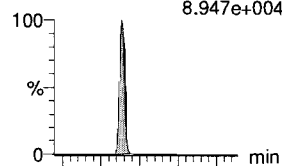
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
3.277e+005

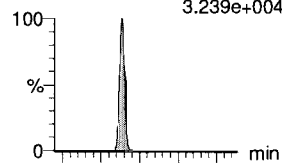


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
8.947e+004

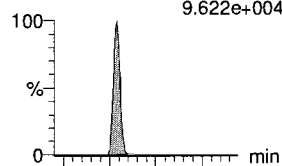


F7:MRM of 2 channels,ES-
299.0 > 99.0
3.239e+004

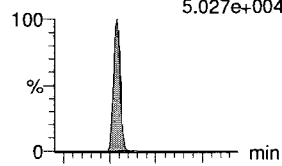


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
9.622e+004

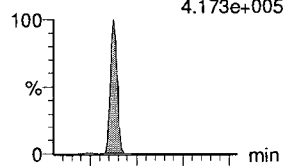


F12:MRM of 2 channels,ES-
327.2 > 81.1
5.027e+004

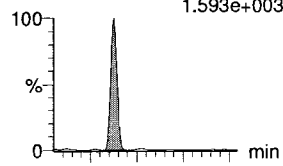


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
4.173e+005

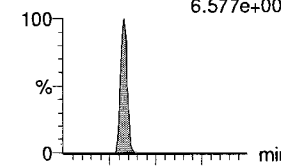


F9:MRM of 2 channels,ES-
313.2 > 119
1.593e+003

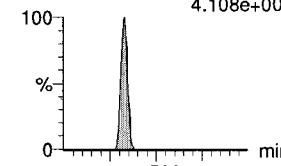


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
6.577e+004

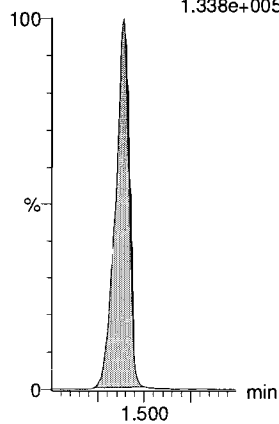


F15:MRM of 2 channels,ES-
349.1 > 99
4.108e+004



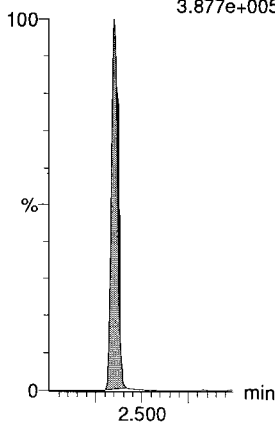
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
1.338e+005



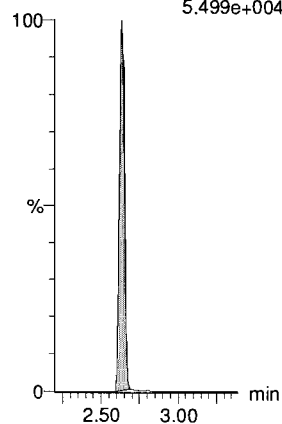
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
3.877e+005



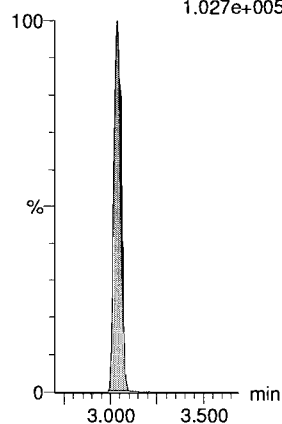
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
5.499e+004



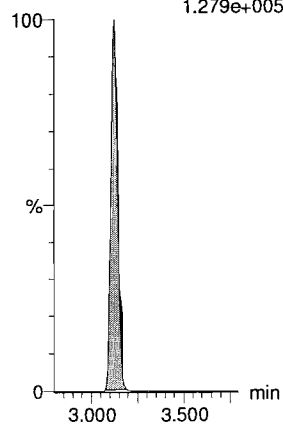
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
1.027e+005



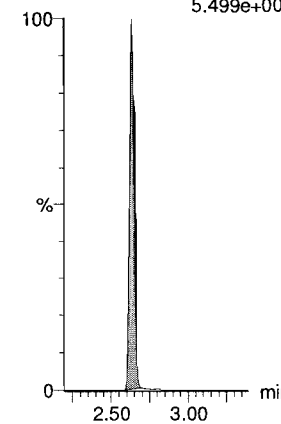
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
1.279e+005



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
5.499e+004



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-28.qld

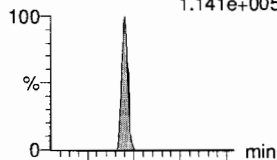
Last Altered: Monday, June 04, 2018 14:18:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:18:34 Pacific Daylight Time

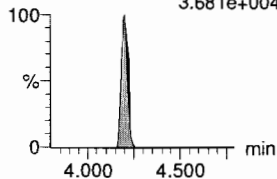
Name: 180603M2_28, Date: 03-Jun-2018, Time: 22:42:58, ID: ST180603M2-11 PFC CS3 18E2907, Description: PFC CS3 18E2907

6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
1.141e+005

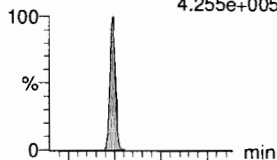


F24:MRM of 2 channels,ES-
427.1 > 80
3.681e+004

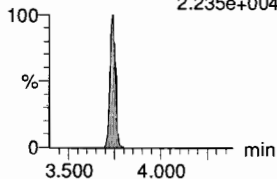


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
4.255e+005

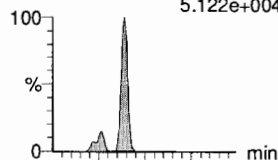


F16:MRM of 2 channels,ES-
363.0 > 169.0
2.235e+004

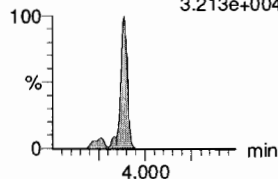


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
5.122e+004

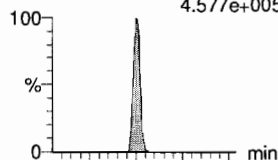


F18:MRM of 2 channels,ES-
398.9 > 99.0
3.213e+004

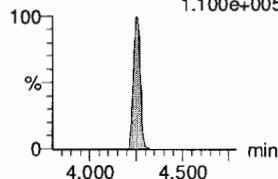


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
4.577e+005

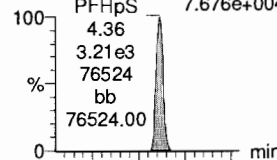


F21:MRM of 2 channels,ES-
413 > 169
1.100e+005

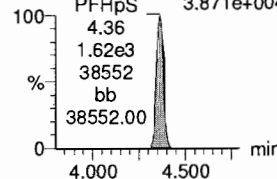


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
7.676e+004

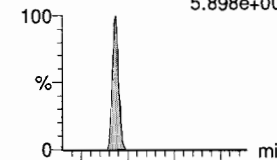


F26:MRM of 2 channels,ES-
449 > 98.7
3.871e+004

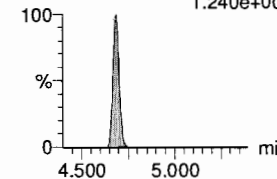


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
5.898e+005

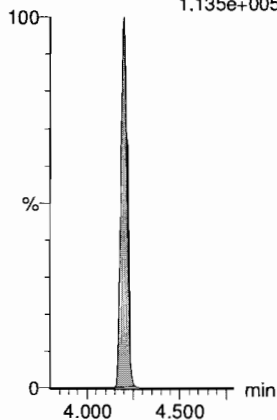


F27:MRM of 2 channels,ES-
463.0 > 219.0
1.240e+005



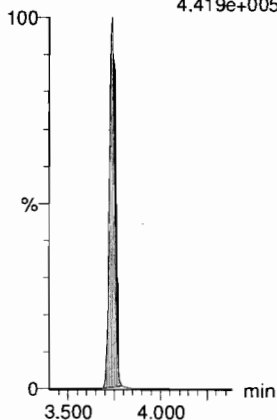
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
1.135e+005



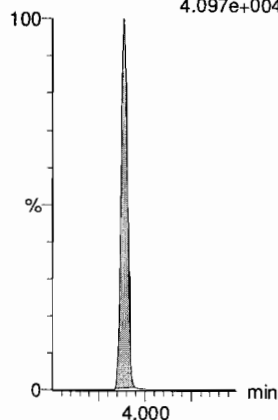
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
4.419e+005



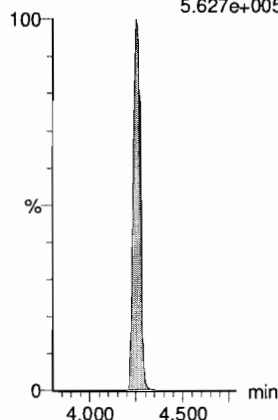
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
4.097e+004



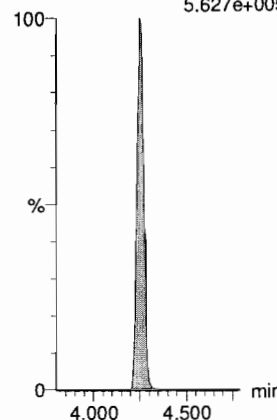
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
5.627e+005



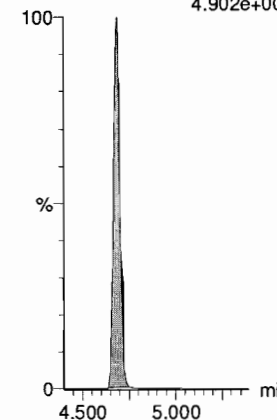
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
5.627e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
4.902e+005

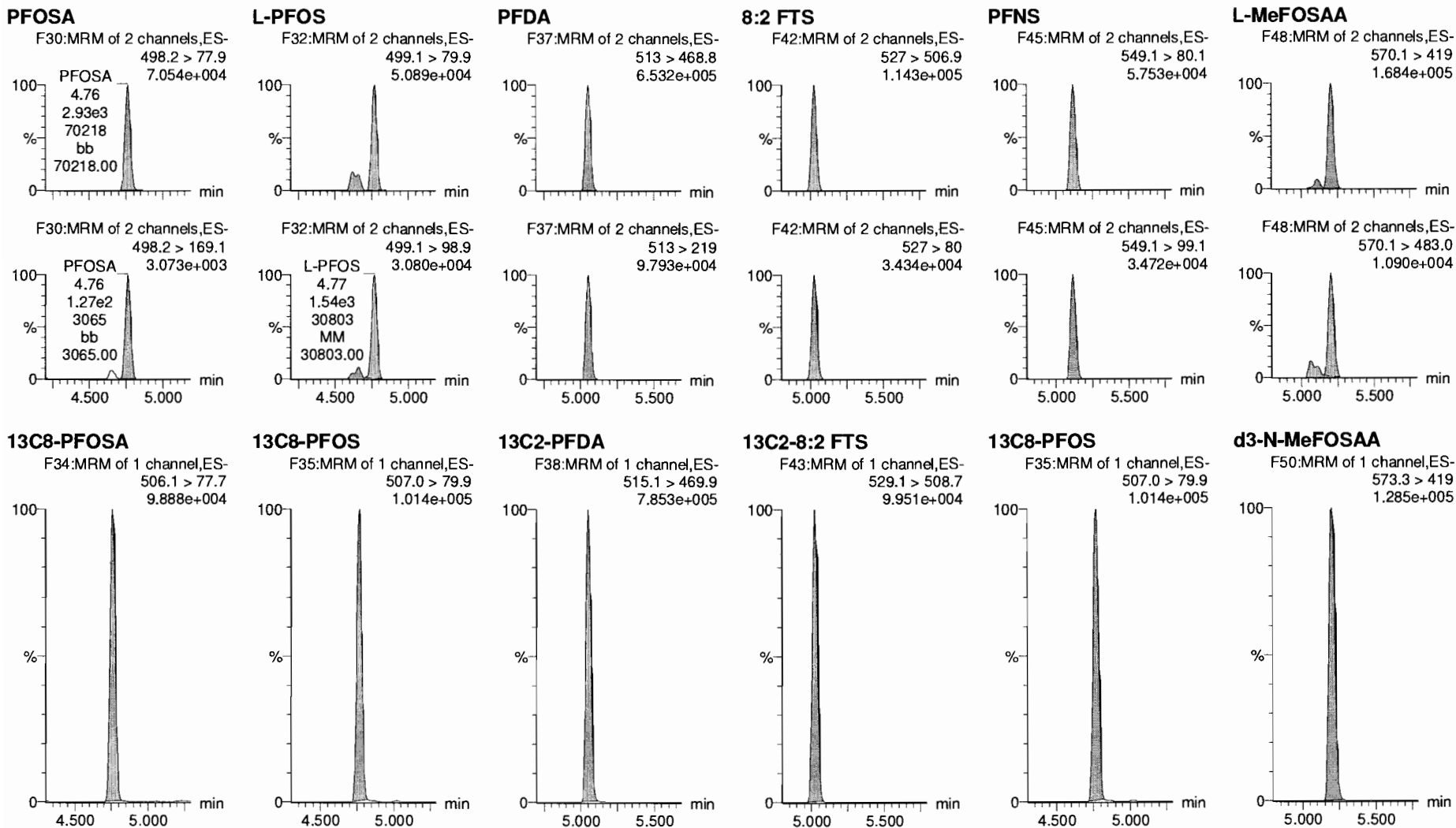


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-28.qld

Last Altered: Monday, June 04, 2018 14:18:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:18:34 Pacific Daylight Time

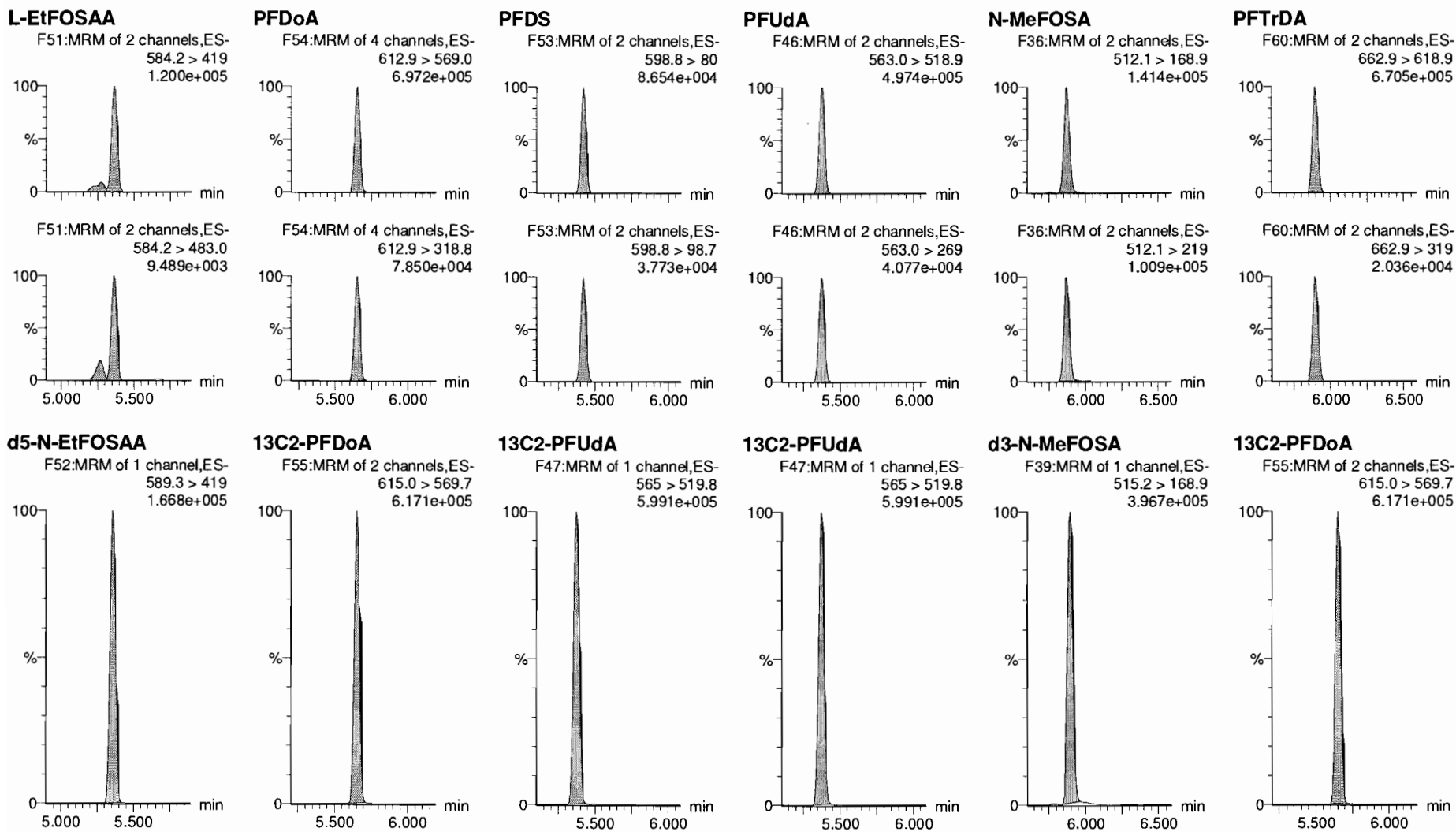
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Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-28.qld

Last Altered: Monday, June 04, 2018 14:18:15 Pacific Daylight Time
Printed: Monday, June 04, 2018 14:18:34 Pacific Daylight Time

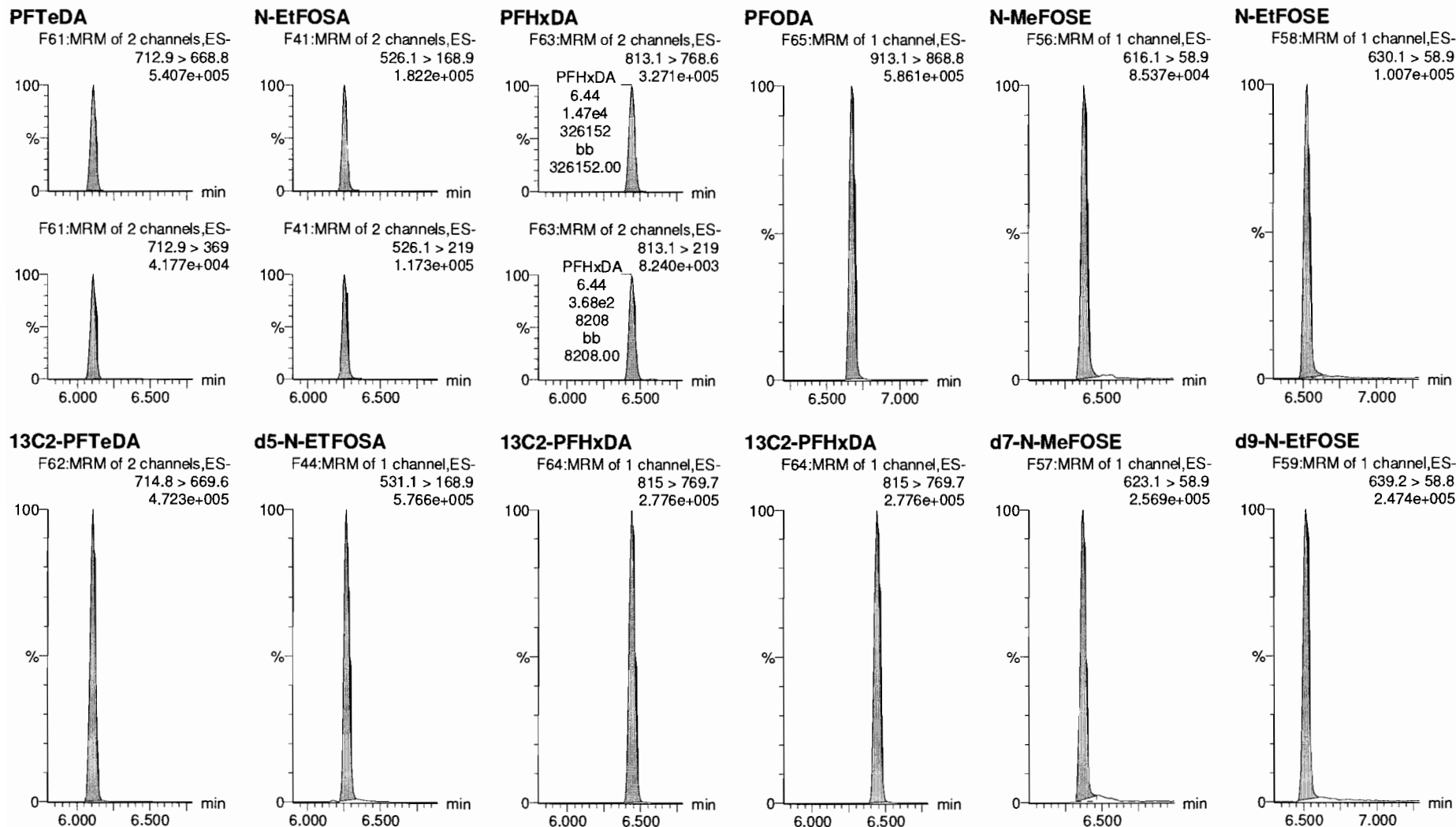
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Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-28.qld

Last Altered: Monday, June 04, 2018 14:18:15 Pacific Daylight Time
Printed: Monday, June 04, 2018 14:18:34 Pacific Daylight Time

Name: 180603M2_28, Date: 03-Jun-2018, Time: 22:42:58, ID: ST180603M2-11 PFC CS3 18E2907, Description: PFC CS3 18E2907

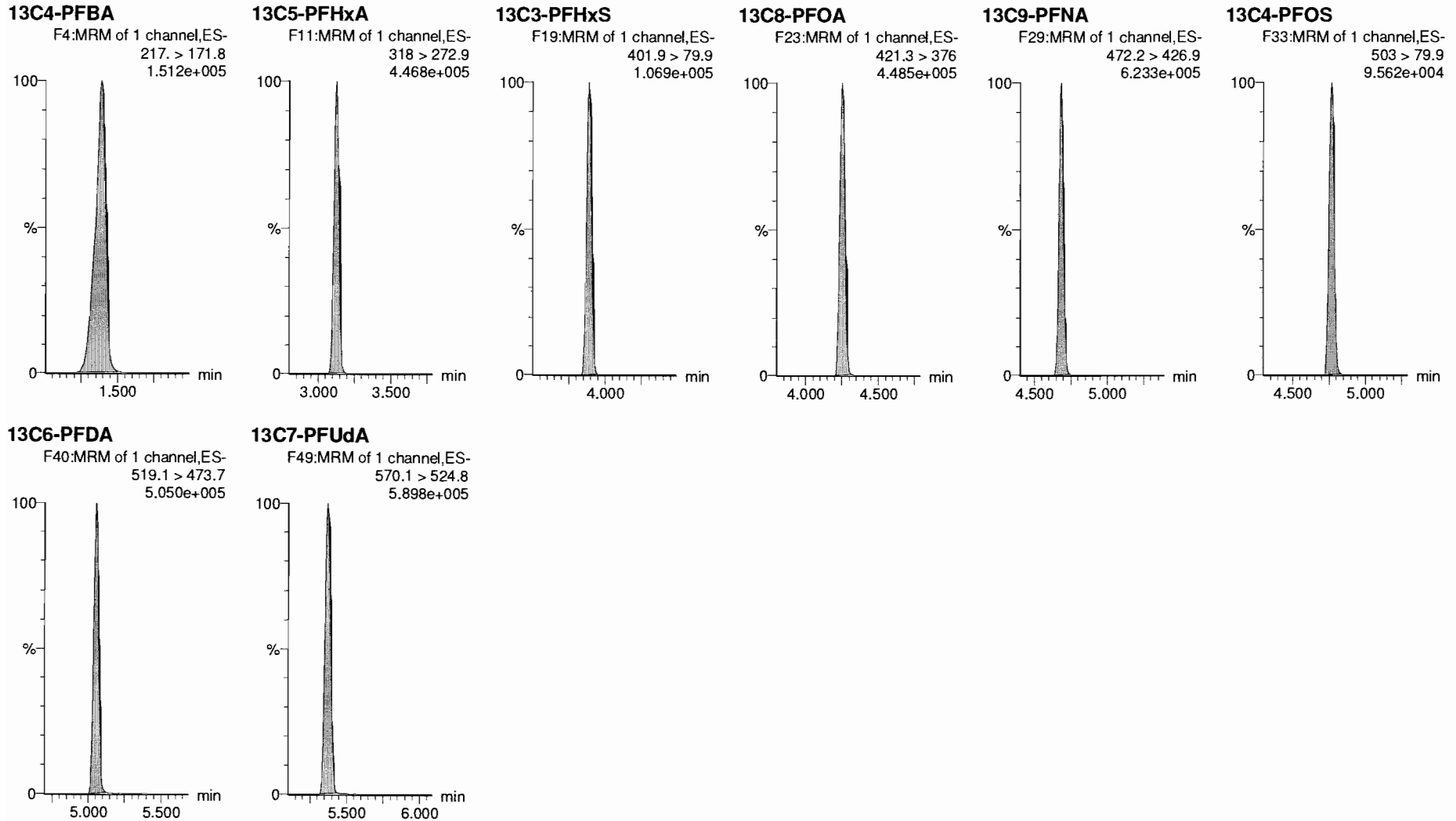


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-28.qld

Last Altered: Monday, June 04, 2018 14:18:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:18:34 Pacific Daylight Time

Name: 180603M2_28, Date: 03-Jun-2018, Time: 22:42:58, ID: ST180603M2-11 PFC CS3 18E2907, Description: PFC CS3 18E2907



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-47.qld

Last Altered: Monday, June 04, 2018 14:07:15 Pacific Daylight Time
Printed: Monday, June 04, 2018 14:07:42 Pacific Daylight Time

VAD 6/5/18

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_47, Date: 04-Jun-2018, Time: 02:01:52, ID: ST180603M2-12 PFC CS3 18E2907, Description: PFC CS3 18E2907

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 16...	1.06e4	1.18e4		1.41	1.40	11.2	10.0	100.2	NO		
2	2 PFPeA	263.1 > 21...	1.32e4	1.60e4		2.36	2.37	10.3	10.2	101.9	NO		
3	3 PFBS	299.0 > 79.7	3.19e3	2.03e3		2.65	2.65	19.6	10.0	100.5	NO	2.618	NO
4	4 4:2 FTS	327.2>307.2	3.81e3	4.13e3		3.05	3.05	11.5	10.2	101.9	NO	1.927	NO
5	5 PFHxA	313.2 > 26...	1.78e4	5.54e3		3.14	3.14	16.0	10.5	104.7	NO	245.010	YES
6	6 PFPeS	349.1>80.1	2.88e3	2.03e3		3.35	3.34	17.7	9.67	96.7	NO	1.704	NO
7	7 PFHpA	363.0 > 31...	1.49e4	1.54e4		3.75	3.75	12.1	10.5	104.9	NO	20.295	NO
8	8 L-PFHxS	398.9 > 79.6	2.50e3	1.76e3		3.90	3.90	17.7	9.23	92.3	NO	1.646	NO
9	10 6:2 FTS	427.1 > 407	4.23e3	4.22e3		4.19	4.21	12.5	10.7	107.1	NO	3.206	NO
10	11 L-PFOA	413 > 368.7	1.82e4	2.49e4		4.25	4.26	9.15	9.25	92.5	NO	4.211	NO
11	13 PFHpS	449 > 80.0	3.15e3	2.49e4		4.36	4.37	1.58	9.83	98.3	NO	1.840	NO
12	14 PFNA	463.0 > 41...	2.44e4	2.31e4		4.68	4.69	13.2	9.81	98.1	NO	5.142	NO
13	15 PFOSA	498.2 > 77.9	3.02e3	3.96e3		4.75	4.77	9.52	11.2	112.3	NO	26.781	NO
14	16 L-PFOS	499.1 > 79.9	3.20e3	4.15e3		4.77	4.78	9.65	10.5	105.2	NO	2.062	NO
15	18 PFDA	513 > 468.8	2.46e4	3.09e4		5.06	5.06	9.94	9.78	97.8	NO	6.964	NO
16	19 8:2 FTS	527 > 506.9	4.69e3	3.80e3		5.03	5.03	15.4	10.9	108.9	NO	2.908	NO
17	20 PFNS	549.1>80.1	2.82e3	4.15e3		5.13	5.12	8.50	10.6	105.6	NO	1.709	NO
18	21 L-MeFOSAA	570.1 > 419	7.99e3	5.82e3		5.22	5.21	17.2	8.53	85.3	NO	12.086	NO
19	23 L-EtFOSAA	584.2 > 419	6.52e3	7.58e3		5.37	5.37	10.7	9.03	90.3	NO	16.875	NO

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-47.qld

Last Altered: Monday, June 04, 2018 14:07:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:07:53 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_47, Date: 04-Jun-2018, Time: 02:01:52, ID: ST180603M2-12 PFC CS3 18E2907, Description: PFC CS3 18E2907

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	25 PFUdA	563.0 > 51...	2.33e4	2.93e4		5.39	5.38	9.91	10.8	108.1	NO	12.108	NO
2	26 PFDS	598.8 > 80	3.38e3	2.93e4		5.44	5.42	1.44	9.50	95.0	NO	2.083	NO
3	27 PFDoA	612.9 > 56...	2.43e4	2.76e4		5.67	5.66	11.0	7.71	77.1	NO	8.409	NO
4	28 N-MeFOSA	512.1 > 16...	6.20e3	1.74e4		5.83	5.88	53.6	51.8	103.6	NO	1.365	NO
5	29 PFTeDA	662.9 > 61...	2.90e4	2.76e4		5.92	5.90	13.1	9.13	91.3	NO	29.538	NO
6	30 PFTeDA	712.9 > 66...	2.13e4	2.28e4		6.14	6.11	11.7	10.7	106.7	NO	12.630	NO
7	31 N-EtFOSA	526.1 > 16...	7.40e3	2.39e4		6.24	6.26	46.4	50.7	101.4	NO	1.519	NO
8	32 PFHxDA	813.1 > 76...	1.45e4	1.28e4		6.48	6.44	5.65	9.44	94.4	NO	35.022	NO
9	33 PFODA	913.1 > 86...	2.18e4	1.28e4		6.71	6.68	8.49	10.9	109.2	NO		
10	34 N-MeFOSE	616.1 > 58.9	4.04e3	1.25e4		6.41	6.38	48.4	49.4	98.7	NO		
11	35 N-EtFOSE	630.1 > 58.9	4.90e3	1.15e4		6.56	6.53	64.0	52.0	103.9	NO		
12	36 13C3-PFBA	216.1 > 17...	1.18e4	1.32e4	0.892	1.33	1.41	11.2	12.5	100.3	NO		
13	37 13C3-PFPeA	266. > 221.8	1.60e4	1.88e4	0.848	2.32	2.37	10.6	12.5	100.0	NO		
14	38 13C3-PFBS	302. > 98.8	2.03e3	1.88e4	0.102	2.61	2.65	1.35	13.2	105.8	NO		
15	39 13C2-4:2 FTS	329.2>308.9	4.13e3	1.88e4	0.231	3.02	3.05	2.75	11.9	95.0	NO		
16	40 13C2-PFHxA	315 > 269.8	5.54e3	1.88e4	0.744	3.10	3.14	3.68	4.94	98.9	NO		
17	41 13C4-PFHpA	367.2 > 32...	1.54e4	1.88e4	0.841	3.72	3.75	10.2	12.2	97.5	NO		
18	42 18O2-PFHxS	403.0 > 10...	1.76e3	3.97e3	0.415	3.87	3.90	5.55	13.4	107.0	NO		
19	43 13C2-6:2 FTS	429.1 > 40...	4.22e3	2.23e4	0.232	4.19	4.21	2.36	10.2	81.7	NO		
20	44 13C2-PFOA	414.9 > 36...	2.49e4	2.23e4	1.256	4.25	4.26	13.9	11.1	88.8	NO		
21	45 13C5-PFNA	468.2 > 42...	2.31e4	2.32e4	0.960	4.69	4.69	12.4	13.0	103.7	NO		
22	46 13C8-PFOSA	506.1 > 77.7	3.96e3	2.63e4	0.145	4.75	4.77	1.88	13.0	103.9	NO		
23	47 13C8-PFOS	507.0 > 79.9	4.15e3	4.24e3	1.047	4.77	4.78	12.2	11.7	93.5	NO		
24	48 13C2-PFDA	515.1 > 46...	3.09e4	2.49e4	1.118	5.06	5.06	15.5	13.9	111.1	NO		
25	49 13C2-8:2 FTS	529.1 > 50...	3.80e3	1.88e4	0.211	5.03	5.03	2.53	12.0	95.9	NO		
26	50 d3-N-MeFOSAA	573.3 > 419	5.82e3	2.63e4	0.182	5.21	5.20	2.77	15.2	121.4	NO		
27	51 d5-N-EtFOSAA	589.3 > 419	7.58e3	2.63e4	0.223	5.37	5.36	3.61	16.2	129.6	NO		
28	52 13C2-PFUdA	565 > 519.8	2.93e4	2.63e4	0.958	5.39	5.38	14.0	14.6	116.6	NO		
29	53 13C2-PFDoA	615.0 > 56...	2.76e4	2.49e4	1.138	5.67	5.65	13.9	12.2	97.4	NO		
30	54 d3-N-MeFOSA	515.2 > 16...	1.74e4	2.63e4	0.051	5.85	5.90	8.26	162	108.3	NO		
31	55 13C2-PFTeDA	714.8 > 66...	2.28e4	2.63e4	0.862	6.14	6.11	10.8	12.6	100.5	NO		
32	56 d5-N-ETFOA	531.1 > 16...	2.39e4	2.63e4	0.066	6.26	6.28	11.4	172	114.6	NO		

GM 6/4/2018

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-47.qld

Last Altered: Monday, June 04, 2018 14:07:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:07:53 Pacific Daylight Time

Name: 180603M2_47, Date: 04-Jun-2018, Time: 02:01:52, ID: ST180603M2-12 PFC CS3 18E2907, Description: PFC CS3 18E2907

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
33	57 13C2-PFHxDA	815 > 769.7	1.28e4	2.63e4	1.173	6.48	6.44	6.10	5.20	104.1	NO		
34	58 d7-N-MeFOSE	623.1 > 58.9	1.25e4	2.63e4	0.038	6.40	6.37	5.96	158	105.5	NO		
35	59 d9-N-EtFOSE	639.2 > 58.8	1.15e4	2.63e4	0.035	6.54	6.52	5.46	155	103.1	NO		
36	60 13C4-PFBA	217. > 171.8	1.32e4	1.32e4	1.000	1.33	1.41	12.5	12.5	100.0	NO		
37	61 13C5-PFHxA	318 > 272.9	1.88e4	1.88e4	1.000	3.10	3.14	12.5	12.5	100.0	NO		
38	62 13C3-PFHxS	401.9 > 79.9	3.97e3	3.97e3	1.000	3.87	3.90	12.5	12.5	100.0	NO		
39	63 13C8-PFOA	421.3 > 376	2.23e4	2.23e4	1.000	4.25	4.26	12.5	12.5	100.0	NO		
40	64 13C9-PFNA	472.2 > 42...	2.32e4	2.32e4	1.000	4.69	4.69	12.5	12.5	100.0	NO		
41	65 13C4-PFOS	503 > 79.9	4.24e3	4.24e3	1.000	4.77	4.78	12.5	12.5	100.0	NO		
42	66 13C6-PFDA	519.1 > 47...	2.49e4	2.49e4	1.000	5.06	5.06	12.5	12.5	100.0	NO		
43	67 13C7-PFUDa	570.1 > 52...	2.63e4	2.63e4	1.000	5.39	5.38	12.5	12.5	100.0	NO		

Dataset: Untitled

Last Altered: Tuesday, June 05, 2018 09:19:21 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 09:20:15 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34
 Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180603M2_1	IPA	03-Jun-18	17:55:38
2	2 180603M2_2	ST180603M2-2 PFC CS-2 18E2902	03-Jun-18	18:07:52
3	3 180603M2_3	ST180603M2-2 PFC CS-1 18E2903	03-Jun-18	18:18:22
4	4 180603M2_4	ST180603M2-3 PFC CS0 18E2904	03-Jun-18	18:28:47
5	5 180603M2_5	ST180603M2-4 PFC CS1 18E2905	03-Jun-18	18:39:17
6	6 180603M2_6	ST180603M2-5 PFC CS2 18E2906	03-Jun-18	18:49:42
7	7 180603M2_7	ST180603M2-6 PFC CS3 18E2907	03-Jun-18	19:00:12
8	8 180603M2_8	ST180603M2-7 PFC CS4 18E2908	03-Jun-18	19:10:37
9	9 180603M2_9	ST180603M2-8 PFC CS5 18E2909	03-Jun-18	19:21:07
10	10 180603M2_10	ST180603M2-9 PFC CS6 18E2910	03-Jun-18	19:31:33
11	11 180603M2_11	ST180603M2-10 PFC CS7 18E2911	03-Jun-18	19:42:03
12	12 180603M2_12	IPA	03-Jun-18	19:52:27
13	13 180603M2_13	ICV180603M2-1 PFC 537 ICV 18E2901	03-Jun-18	20:02:58
14	14 180603M2_14	IPA	03-Jun-18	20:13:28
15	15 180603M2_15	B8F0002-BS1 OPR 0.125	03-Jun-18	20:27:03
16	16 180603M2_16	B8F0002-BLK1 Method Blank 0.125	03-Jun-18	20:37:28
17	17 180603M2_17	1801010-01RE1 GSUMW00505101805...	03-Jun-18	20:47:59
18	18 180603M2_18	1801010-02RE1 MW0081819180517G...	03-Jun-18	20:58:23
19	19 180603M2_19	1801010-03RE1 MW0083738180517R...	03-Jun-18	21:08:54
20	20 180603M2_20	1801010-04RE1 MW0052021180517M...	03-Jun-18	21:19:18
21	21 180603M2_21	1801010-05RE1 MW0056061180517R...	03-Jun-18	21:29:49
22	22 180603M2_22	1801010-06RE1 MW0071920180517R...	03-Jun-18	21:40:13
23	23 180603M2_23	1801010-07RE1 MW0074849180517G...	03-Jun-18	21:50:44
24	24 180603M2_24	1801010-08RE1 MW0065051180517R...	03-Jun-18	22:01:08
25	25 180603M2_25	1801010-09RE1 MW0060510180517G...	03-Jun-18	22:11:39
26	26 180603M2_26	1801010-10RE1 MW0010308180518G...	03-Jun-18	22:22:04
27	27 180603M2_27	IPA	03-Jun-18	22:32:34
28	28 180603M2_28	ST180603M2-11 PFC CS3 18E2907	03-Jun-18	22:42:58
29	29 180603M2_29	IPA	03-Jun-18	22:53:29
30	30 180603M2_30	1801010-11RE1 MW0030207180518G...	03-Jun-18	23:03:59
31	31 180603M2_31	1801010-12RE1 MW0034647180518R...	03-Jun-18	23:14:25
32	32 180603M2_32	1801010-13RE1 GSUMW00311161805...	03-Jun-18	23:24:55

Dataset: Untitled

Last Altered: Tuesday, June 05, 2018 09:19:21 Pacific Daylight Time

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Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 180603M2_33	1801010-14RE1 MW0093233180518R...	03-Jun-18	23:35:20
34	34 180603M2_34	1801010-15RE1 MW0091516180518M...	03-Jun-18	23:45:50
35	35 180603M2_35	B8F0004-BS1 OPR 0.125	03-Jun-18	23:56:15
36	36 180603M2_36	B8F0004-BSD1 LCSD 0.125	04-Jun-18	00:06:45
37	37 180603M2_37	B8F0004-BLK1 Method Blank 0.125	04-Jun-18	00:17:09
38	38 180603M2_38	1801039-01 A1-MW-13-SA1 0.10967	04-Jun-18	00:27:40
39	39 180603M2_39	1801039-02 A1-MW-11-SA1 0.11624	04-Jun-18	00:38:04
40	40 180603M2_40	1801039-03 A1-MW-14-SA1 0.11194	04-Jun-18	00:48:35
41	41 180603M2_41	1801039-04 A1-MW-15-SA1 0.11248	04-Jun-18	00:59:00
42	42 180603M2_42	1801039-07 A1-MW-25-SA1 0.11252	04-Jun-18	01:09:30
43	43 180603M2_43	1801039-08 FRB-20180524 0.11695	04-Jun-18	01:19:55
44	44 180603M2_44	B8F0003-BS1 OPR 0.125	04-Jun-18	01:30:25
45	45 180603M2_45	B8F0003-BLK1 Method Blank 0.125	04-Jun-18	01:40:51
46	46 180603M2_46	IPA	04-Jun-18	01:51:22
47	47 180603M2_47	ST180603M2-12 PFC CS3 18E2907	04-Jun-18	02:01:52
48	48 180603M2_48	IPA	04-Jun-18	02:12:16
49	49 180603M2_49	1800937-01RE1 CL1TMW0118180503...	04-Jun-18	02:22:47
50	50 180603M2_50	1800937-02RE1 CL1TMW0405180504...	04-Jun-18	02:33:17
51	51 180603M2_51	1800937-03RE1 CL1SW0300180508N ...	04-Jun-18	02:43:42
52	52 180603M2_52	1800937-04RE1 CL1SW0400180508N ...	04-Jun-18	02:54:12
53	53 180603M2_53	1800937-05RE1 CL1SW0500180508N ...	04-Jun-18	03:04:35
54	54 180603M2_54	1800937-06RE1 CL1DR0100180508N ...	04-Jun-18	03:15:06
55	55 180603M2_55	1800937-07RE1 CL1DR0300180508N ...	04-Jun-18	03:25:30
56	56 180603M2_56	1800937-08RE1 CL1DR0200180509N ...	04-Jun-18	03:36:00
57	57 180603M2_57	1800937-09RE1 CL1SW0100180509N ...	04-Jun-18	03:46:30
58	58 180603M2_58	1800937-10RE1 CL1SW0200180509N ...	04-Jun-18	03:56:55
59	59 180603M2_59	IPA	04-Jun-18	04:07:25
60	60 180603M2_60	ST180603M2-13 PFC CS3 18E2907	04-Jun-18	04:17:50
61	61 180603M2_61	IPA	04-Jun-18	04:28:21
62	62 180603M2_62	ST180603M2-14 PFC CS0 18E2904	04-Jun-18	04:38:46
63	63 180603M2_63	IPA	04-Jun-18	04:49:16
64	64 180603M2_64	1800882-02RE1 731 0.12084	04-Jun-18	04:59:39
65	65 180603M2_65	1800882-03RE1 781 0.11874	04-Jun-18	05:10:10
66	66 180603M2_66	1800882-04RE1 702 0.11993	04-Jun-18	05:20:35
67	67 180603M2_67	1800882-05RE1 Trip Blank 0.12132	04-Jun-18	05:31:05
68	68 180603M2_68	1800882-06RE1 Trip Blank 0.12059	04-Jun-18	05:41:30

Dataset: Untitled

Last Altered: Tuesday, June 05, 2018 09:19:21 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 09:20:15 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
69	69 180603M2_69	B8E0215-BS1 OPR 1	04-Jun-18	05:52:00
70	70 180603M2_70	B8E0215-BLK1 Method Blank 1	04-Jun-18	06:02:25
71	71 180603M2_71	1800935-05 CL1MC0100180509N 1.11	04-Jun-18	06:12:55
72	72 180603M2_72	B8E0212-BS1 OPR 5	04-Jun-18	06:23:20
73	73 180603M2_73	B8E0212-BLK1 Method Blank 5	04-Jun-18	06:33:50
74	74 180603M2_74	1801036-01 Milk 5	04-Jun-18	06:44:15
75	75 180603M2_75	B8E0173-BS1 OPR 0.25	04-Jun-18	06:54:46
76	76 180603M2_76	B8E0173-BLK1 Method Blank 0.25	04-Jun-18	07:05:11
77	77 180603M2_77	1800999-01 DPH-MW10 0.11774	04-Jun-18	07:15:41
78	78 180603M2_78	1800999-02 DPH-MW19 0.12462	04-Jun-18	07:26:05
79	79 180603M2_79	1800999-03 DPH-MW23 0.1216	04-Jun-18	07:36:36
80	80 180603M2_80	IPA	04-Jun-18	07:47:01
81	81 180603M2_81	ST180603M2-15 PFC CS3 18E2907	04-Jun-18	07:57:31
82	82 180603M2_82	IPA	04-Jun-18	08:07:56
83	83 180603M2_83	1800837-12 REEPDW409FRB 0.12029	04-Jun-18	08:18:27
84	84 180603M2_84	B8E0169-BS1 OPR 0.125	04-Jun-18	08:28:51
85	85 180603M2_85	B8E0169-BSD1 LCSD 0.125	04-Jun-18	08:39:22
86	86 180603M2_86	B8E0169-BLK1 Method Blank 0.125	04-Jun-18	08:49:47
87	87 180603M2_87	1800954-01 REEPDW499 0.12056	04-Jun-18	09:00:17
88	88 180603M2_88	1800954-02 REEPDW1007 0.11869	04-Jun-18	09:10:47
89	89 180603M2_89	1800954-03 REEPDW1008 0.11591	04-Jun-18	09:21:11
90	90 180603M2_90	1800954-04 REEPDW1009 0.11871	04-Jun-18	09:31:42
91	91 180603M2_91	1800954-05 REEPDW1010 0.1202	04-Jun-18	09:42:06
92	92 180603M2_92	1800954-06 REEPDW550 0.11863	04-Jun-18	09:52:36
93	93 180603M2_93	1800954-07 REEPDW1011 0.11919	04-Jun-18	10:03:01
94	94 180603M2_94	1800954-08 REEPDW1012 0.11288	04-Jun-18	10:13:31
95	95 180603M2_95	1800954-09 REEPDW1001 0.12106	04-Jun-18	10:23:57
96	96 180603M2_96	1800954-10 REEPDW1003 0.11189	04-Jun-18	10:34:27
97	97 180603M2_97	IPA	04-Jun-18	10:44:52
98	98 180603M2_98	ST180603M2-16 PFC CS3 18E2907	04-Jun-18	10:55:22
99	99 180603M2_99	IPA	04-Jun-18	11:05:53
100	1... 180603M2_100	1800954-11 REEPDW1004 0.11763	04-Jun-18	11:16:18
101	1... 180603M2_101	1800954-12 REEPDW1006 0.11887	04-Jun-18	11:26:48
102	1... 180603M2_102	1800954-13 REEPDW1013 0.11579	04-Jun-18	11:37:13
103	1... 180603M2_103	1800954-14 REEPDW1014 0.11881	04-Jun-18	11:47:43
104	1... 180603M2_104	1800954-15 REEPDW1002 0.12307	04-Jun-18	11:58:08

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, June 05, 2018 09:19:21 Pacific Daylight Time

Printed: Tuesday, June 05, 2018 09:20:15 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
105	1... 180603M2_105	1800954-16 REEPDW1005 0.12281	04-Jun-18	12:08:38
106	1... 180603M2_106	B8E0167-BS1 OPR 0.125	04-Jun-18	12:19:02
107	1... 180603M2_107	B8E0167-BSD1 LCSD 0.125	04-Jun-18	12:29:32
108	1... 180603M2_108	B8E0167-BLK1 Method Blank 0.125	04-Jun-18	12:39:56
109	1... 180603M2_109	1800982-01 REEPDW1037 0.11872	04-Jun-18	12:50:27
110	1... 180603M2_110	1800982-02 REEPDW1048 0.12739	04-Jun-18	13:00:57
111	1... 180603M2_111	1800982-03 REEPDW1049 0.12389	04-Jun-18	13:11:23
112	1... 180603M2_112	1800982-04 REEPDW1050 0.12048	04-Jun-18	13:21:53
113	1... 180603M2_113	IPA	04-Jun-18	13:32:17
114	1... 180603M2_114	ST180603M2-17 PFC CS3 18E2907	04-Jun-18	13:42:48
115	1... 180603M2_115	IPA	04-Jun-18	13:53:18
116	1... 180603M2_116	1800982-05 REEPDW554 0.11977	04-Jun-18	14:03:43
117	1... 180603M2_117	1800982-06 REEPDW1043 0.12141	04-Jun-18	14:14:13
118	1... 180603M2_118	B8E0141-BS1 OPR 0.125	04-Jun-18	14:24:38
119	1... 180603M2_119	B8E0224-BSD1 LCSD 0.125	04-Jun-18	14:35:08
120	1... 180603M2_120	B8E0224-BS1 OPR 0.125	04-Jun-18	14:45:32
121	1... 180603M2_121	B8E0224-BLK1 Method Blank 0.125	04-Jun-18	14:56:03
122	1... 180603M2_122	1800952-13RE1 REEPDW488 0.11053	04-Jun-18	15:06:25
123	1... 180603M2_123	IPA	04-Jun-18	15:16:56
124	1... 180603M2_124	ST180603M2-18 PFC CS3 18E2907	04-Jun-18	15:27:21
125	1... 180603M2_125	IPA	04-Jun-18	15:37:51

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-47.qld

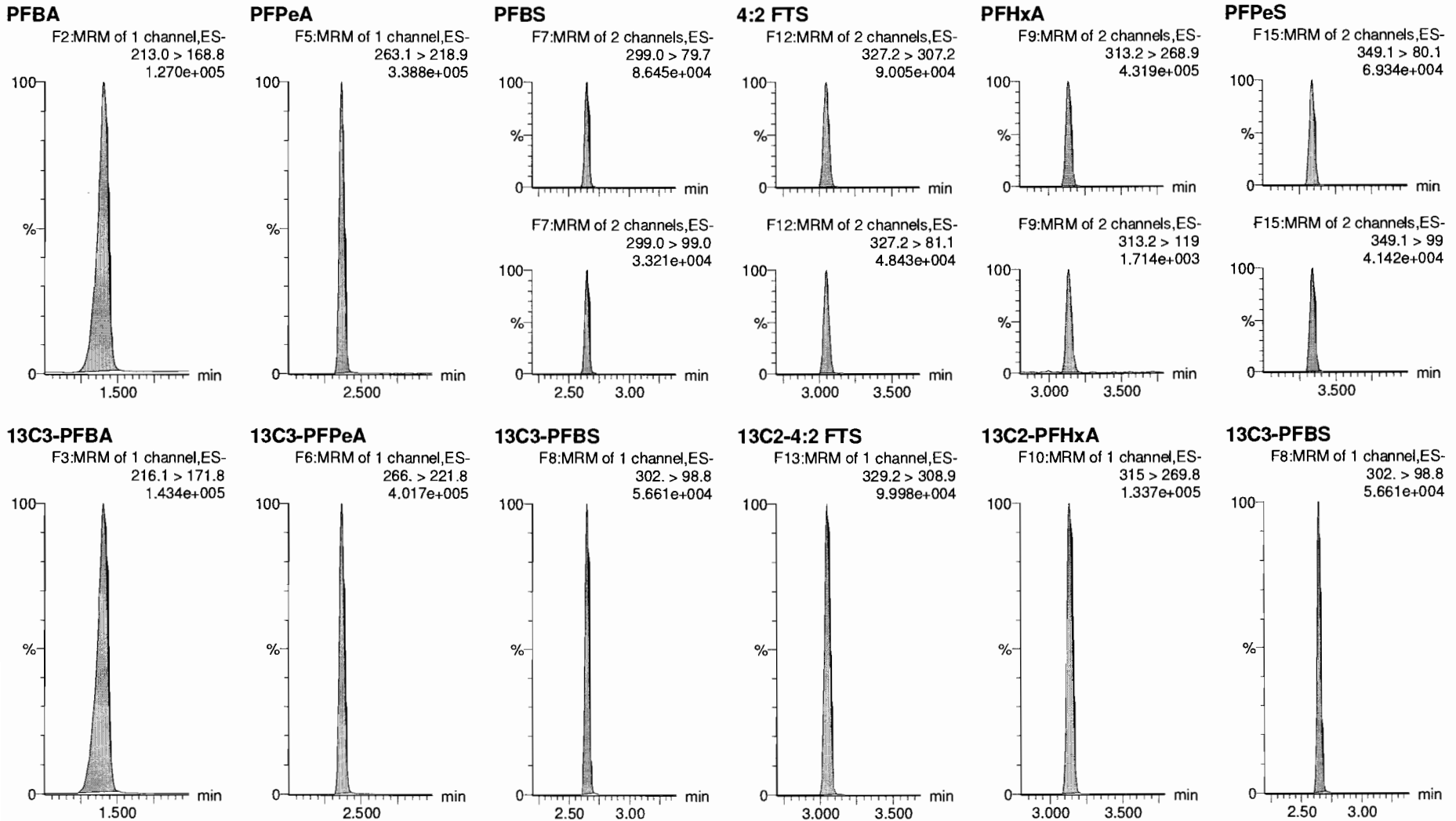
Last Altered: Monday, June 04, 2018 14:07:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:07:53 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_47, Date: 04-Jun-2018, Time: 02:01:52, ID: ST180603M2-12 PFC CS3 18E2907, Description: PFC CS3 18E2907

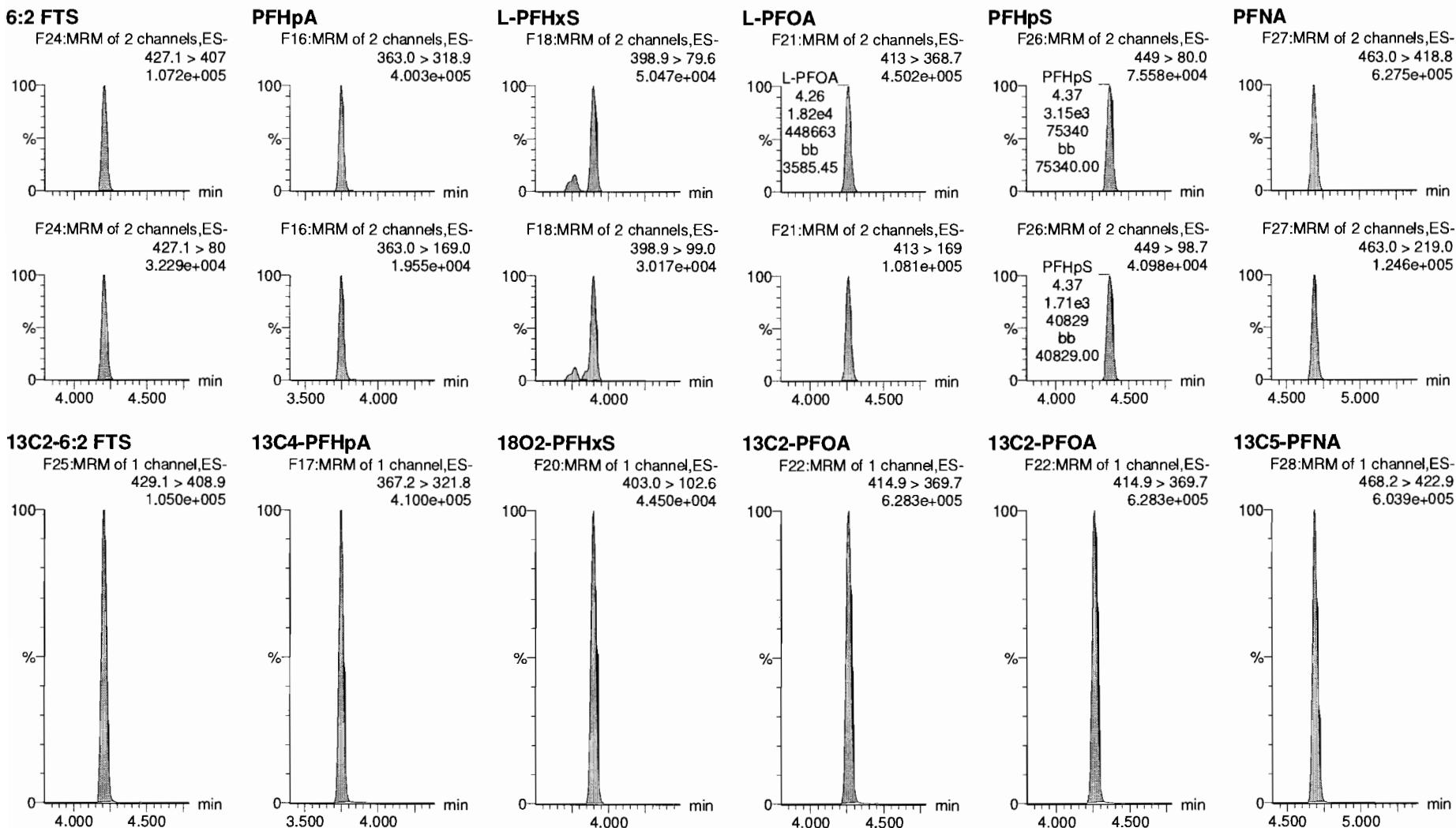


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-47.qld

Last Altered: Monday, June 04, 2018 14:07:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:07:53 Pacific Daylight Time

Name: 180603M2_47, Date: 04-Jun-2018, Time: 02:01:52, ID: ST180603M2-12 PFC CS3 18E2907, Description: PFC CS3 18E2907

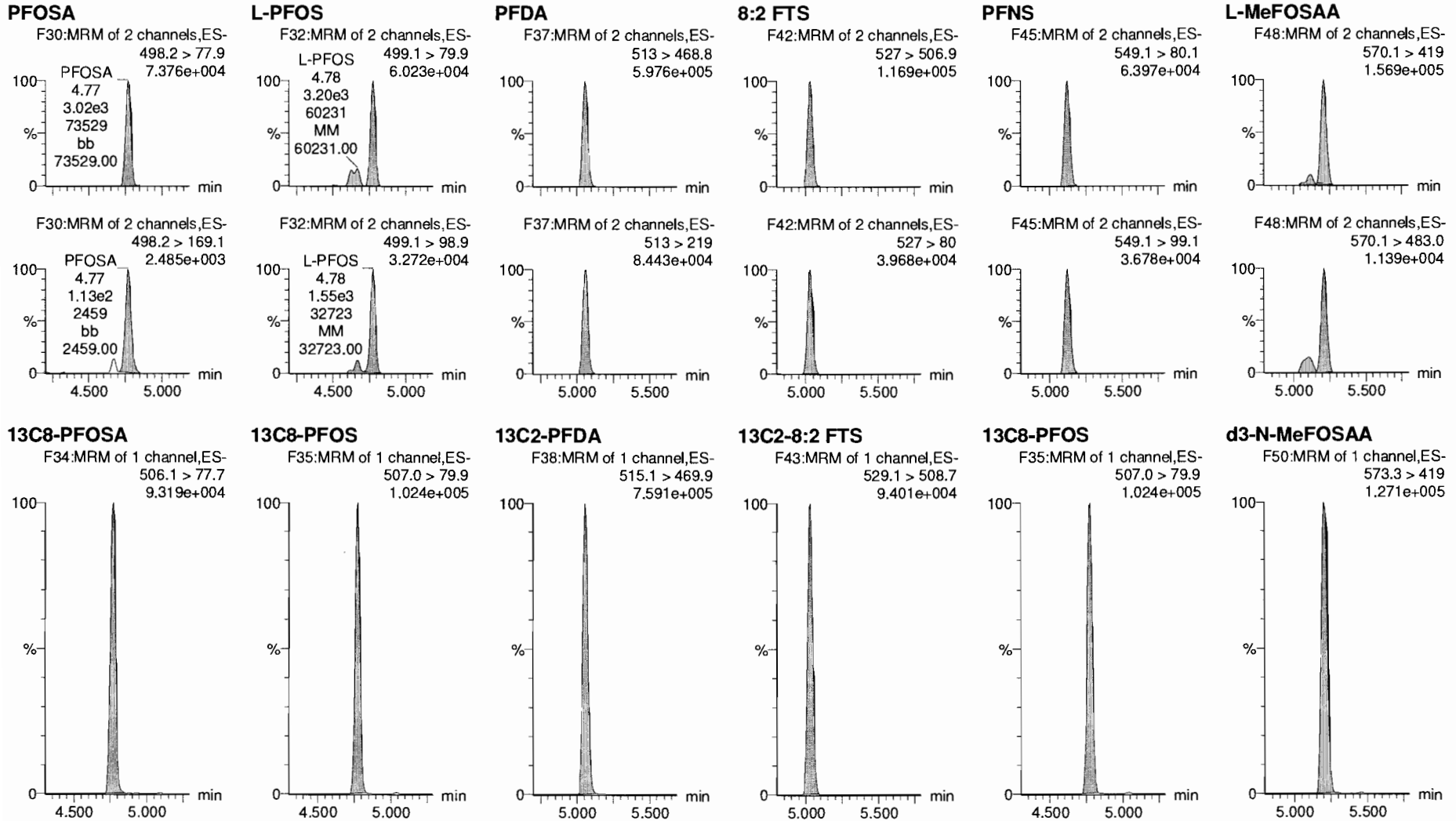


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-47.qld

Last Altered: Monday, June 04, 2018 14:07:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:07:53 Pacific Daylight Time

Name: 180603M2_47, Date: 04-Jun-2018, Time: 02:01:52, ID: ST180603M2-12 PFC CS3 18E2907, Description: PFC CS3 18E2907



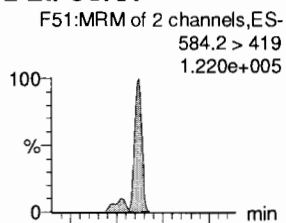
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Last Altered: Monday, June 04, 2018 14:07:15 Pacific Daylight Time

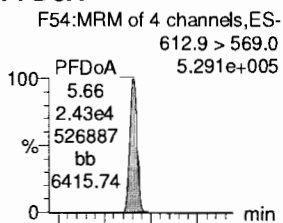
Printed: Monday, June 04, 2018 14:07:53 Pacific Daylight Time

Name: 180603M2_47, Date: 04-Jun-2018, Time: 02:01:52, ID: ST180603M2-12 PFC CS3 18E2907, Description: PFC CS3 18E2907

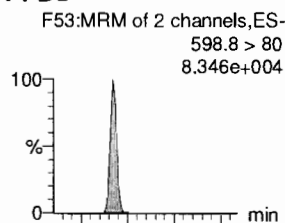
L-EtFOSAA



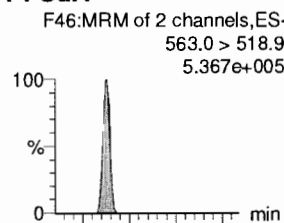
PFDoA



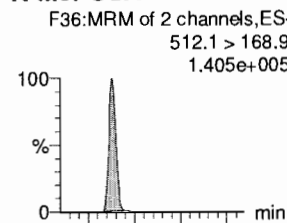
PFDS



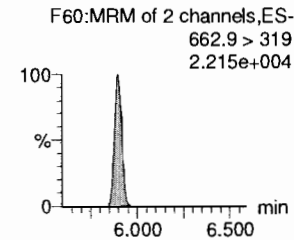
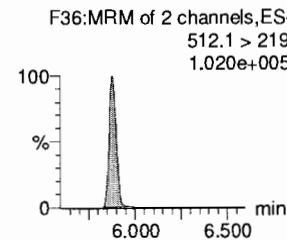
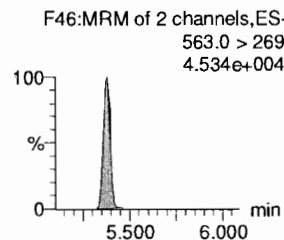
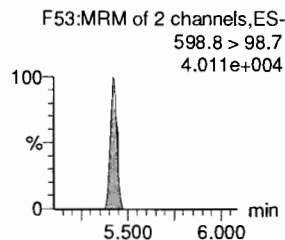
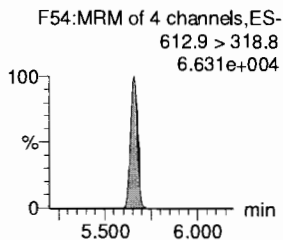
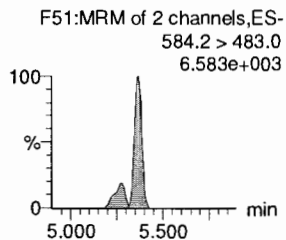
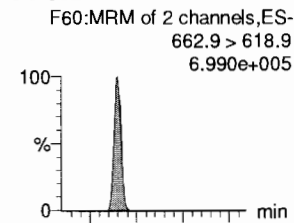
PFUdA



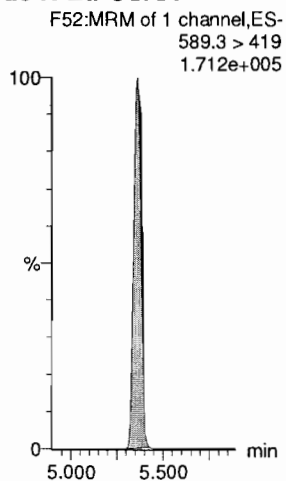
N-MeFOSA



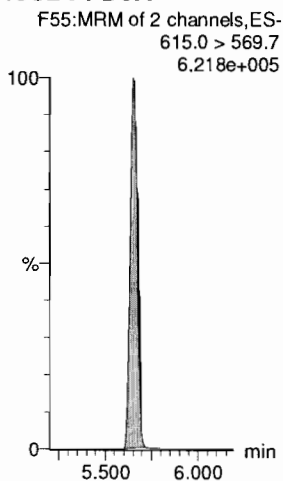
PFTTrDA



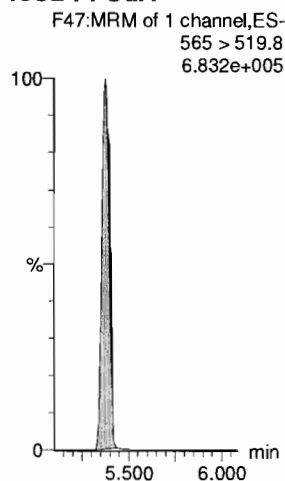
d5-N-EtFOSAA



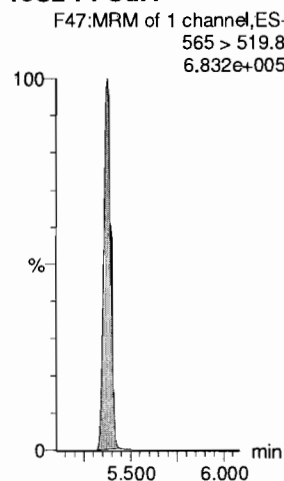
13C2-PFDoA



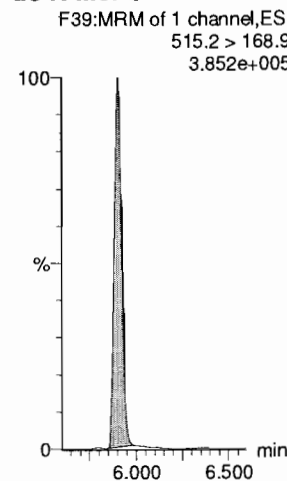
13C2-PFUdA



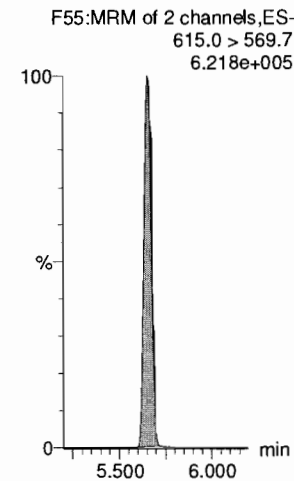
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-47.qld

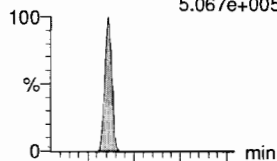
Last Altered: Monday, June 04, 2018 14:07:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:07:53 Pacific Daylight Time

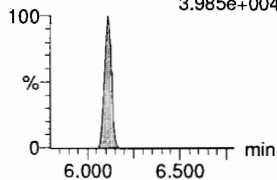
Name: 180603M2_47, Date: 04-Jun-2018, Time: 02:01:52, ID: ST180603M2-12 PFC CS3 18E2907, Description: PFC CS3 18E2907

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
5.067e+005

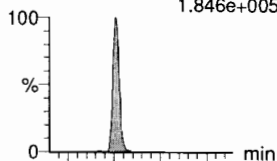


F61:MRM of 2 channels,ES-
712.9 > 369
3.985e+004

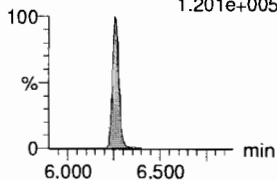


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
1.846e+005

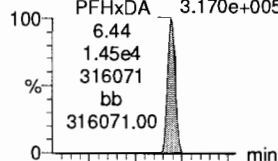


F41:MRM of 2 channels,ES-
526.1 > 219
1.201e+005

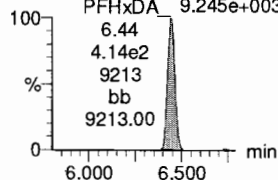


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
3.170e+005

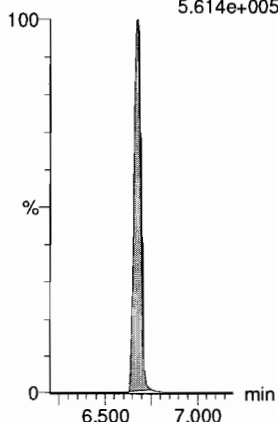


F63:MRM of 2 channels,ES-
813.1 > 219
9.245e+003



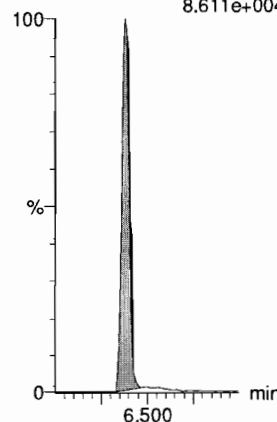
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
5.614e+005



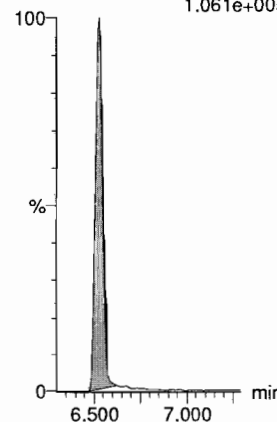
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
8.611e+004



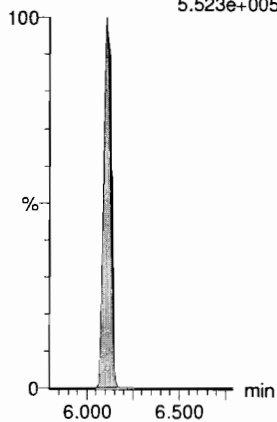
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
1.061e+005



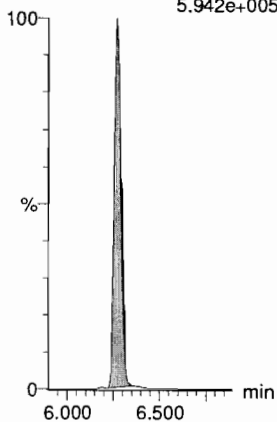
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
5.523e+005



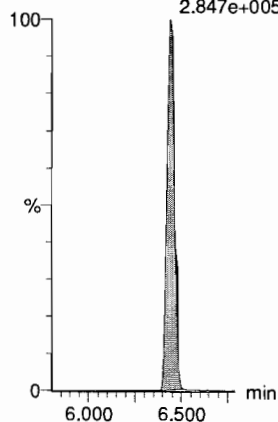
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
5.942e+005



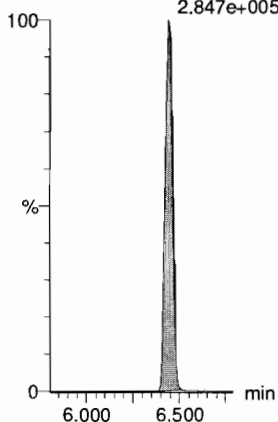
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.847e+005



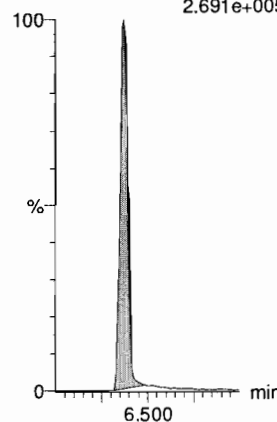
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.847e+005



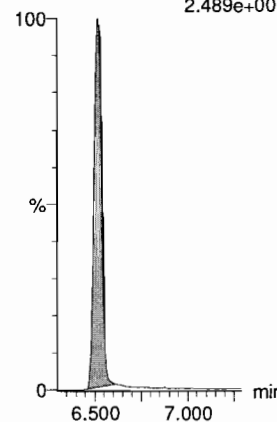
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.691e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.489e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-47.qld

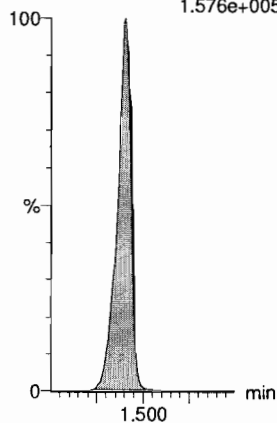
Last Altered: Monday, June 04, 2018 14:07:15 Pacific Daylight Time

Printed: Monday, June 04, 2018 14:07:53 Pacific Daylight Time

Name: 180603M2_47, Date: 04-Jun-2018, Time: 02:01:52, ID: ST180603M2-12 PFC CS3 18E2907, Description: PFC CS3 18E2907

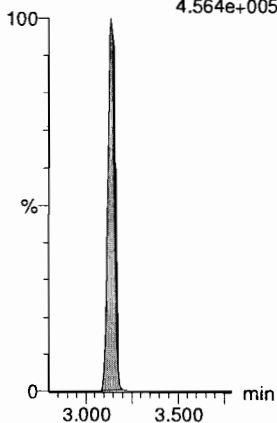
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.576e+005



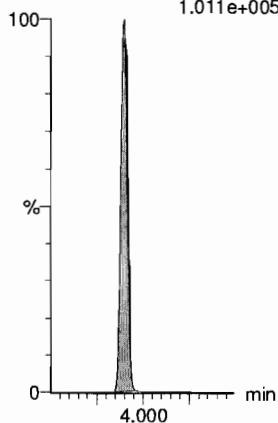
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.564e+005



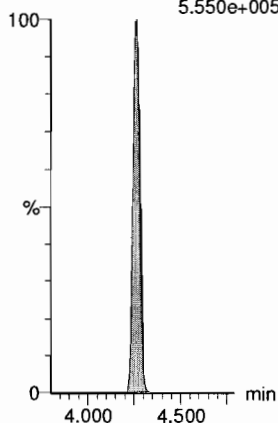
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
1.011e+005



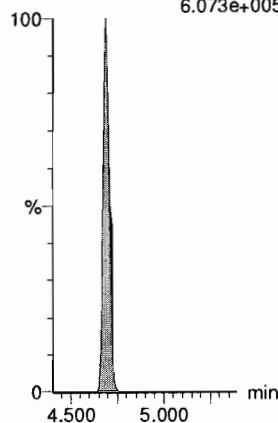
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
5.550e+005



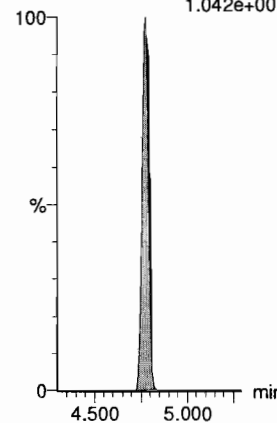
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
6.073e+005



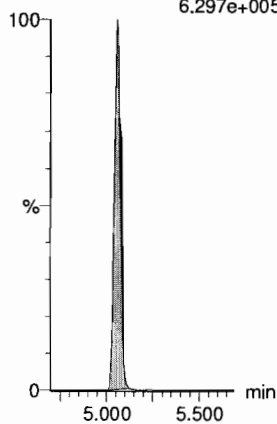
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
1.042e+005



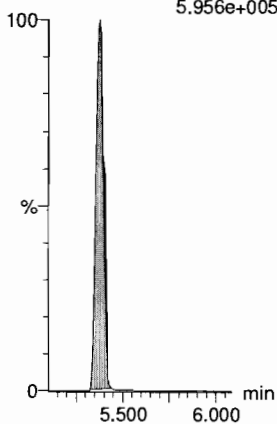
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
6.297e+005



13C7-PFudA

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.956e+005



INITIAL CALIBRATION

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 14:48:48 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 15:09:57 Pacific Daylight Time

JAR 5/29/18

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Compound name: PFBA

Correlation coefficient: $r = 0.999917$, $r^2 = 0.999835$

Calibration curve: $1.12941 * x + 0.0231243$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

JAR 5/29/18

- high pt
 - PFBA 250
 - PFBS
 - PFHxA
 - PFOSA
 - L-PFOA
 - L-PFOS
 - PFNS
 - L-MeFOSAA
 - PFDS
- high pt
 - 4:2FTS 100
 - PFBA
 - PFPeS
 - PFHpA
 - L-PFHxS
 - 6:2FTS
 - PFHpS
 - PFNA
 - PFDA
 - PFvDA
 - L-ETfOSAA
- high pt
 - EtFOSA 1250
 - EtFOSE 500
 - MeFOSE ↓
 - 8:2FTS 50
- low pt
 - PFDS 0.5 ↓
 - PFDA ↓
 - MeFOSA 1.25 ↓
 - MeFOSE ↓

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180528M1_3	Standard	0.250	1.50	287.018	9969.354	0.360	0.3	19.3	NO	1.000	NO	MM
2	180528M1_4	Standard	0.500	1.40	478.462	10178.998	0.588	0.5	-0.0	NO	1.000	NO	MM
3	180528M1_5	Standard	1.000	1.38	881.344	10363.013	1.063	0.9	-7.9	NO	1.000	NO	MM
4	180528M1_6	Standard	2.000	1.39	1679.498	9499.421	2.210	1.9	-3.2	NO	1.000	NO	bb
5	180528M1_7	Standard	5.000	1.38	4337.391	9778.668	5.544	4.9	-2.2	NO	1.000	NO	bb
6	180528M1_8	Standard	10.000	1.39	9569.926	10337.317	11.572	10.2	2.3	NO	1.000	NO	bb
7	180528M1_9	Standard	50.000	1.38	43241.977	9554.909	56.570	50.1	0.1	NO	1.000	NO	bb
8	180528M1_10	Standard	100.000	1.39	77638.828	8598.538	112.866	99.9	-0.1	NO	1.000	NO	bb
9	180528M1_11	Standard	250.000	1.38	189875.797	6878.464	345.055	305.5	22.2	NO	1.000	NO	bbX
10	180528M1_12	Standard	500.000	1.39	370602.375	8422.270	550.033	487.0	-2.6	NO	1.000	NO	bbX

Compound name: PFPeA

Correlation coefficient: $r = 0.996637$, $r^2 = 0.993284$

Calibration curve: $1.05074 * x + -0.0890572$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180528M1_3	Standard	0.250	2.41	276.589	14277.305	0.242	0.3	26.1	NO	0.993	NO	bb
2	180528M1_4	Standard	0.500	2.37	599.521	15214.251	0.493	0.6	10.7	NO	0.993	NO	bb
3	180528M1_5	Standard	1.000	2.36	1231.079	15576.379	0.988	1.0	2.5	NO	0.993	NO	bb
4	180528M1_6	Standard	2.000	2.37	2147.532	14454.244	1.857	1.9	-7.4	NO	0.993	NO	bb
5	180528M1_7	Standard	5.000	2.37	5637.309	14462.986	4.872	4.7	-5.6	NO	0.993	NO	bb
6	180528M1_8	Standard	10.000	2.37	11301.859	15402.417	9.172	8.8	-11.9	NO	0.993	NO	bb
7	180528M1_9	Standard	50.000	2.37	53516.922	14556.569	45.956	43.8	-12.4	NO	0.993	NO	bb
8	180528M1_10	Standard	100.000	2.37	95947.516	12505.319	95.907	91.4	-8.6	NO	0.993	NO	bb
9	180528M1_11	Standard	250.000	2.37	221355.703	9892.274	279.708	266.3	6.5	NO	0.993	NO	bb
10	180528M1_12	Standard	500.000	2.37	407801.344	11482.395	443.942	422.6	-15.5	NO	0.993	NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999192$

Calibration curve: $0.00246204 * x^2 + 1.76088 * x + 0.204958$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	2.69	76.951	1679.824	0.573	0.2	-16.5	NO	0.999	NO	bb
2	2 180528M1_4	Standard	0.500	2.66	157.056	1886.785	1.041	0.5	-5.2	NO	0.999	NO	bb
3	3 180528M1_5	Standard	1.000	2.65	285.502	1907.223	1.871	0.9	-5.5	NO	0.999	NO	bb
4	4 180528M1_6	Standard	2.000	2.66	554.577	1728.139	4.011	2.2	7.8	NO	0.999	NO	bb
5	5 180528M1_7	Standard	5.000	2.66	1408.132	1792.120	9.822	5.4	8.4	NO	0.999	NO	bb
6	6 180528M1_8	Standard	10.000	2.66	2999.550	1864.565	20.109	11.1	11.3	NO	0.999	NO	bb
7	7 180528M1_9	Standard	50.000	2.66	13338.764	1708.219	97.607	51.6	3.2	NO	0.999	NO	bb
8	8 180528M1_10	Standard	100.000	2.66	23132.443	1505.688	192.042	96.0	-4.0	NO	0.999	NO	bb
9	9 180528M1_11	Standard	250.000	2.66	53955.313	1129.504	597.113	250.9	0.4	NO	0.999	NO	bb
10	10 180528M1_12	Standard	500.000	2.66	98233.742	1282.767	957.245	361.1	-27.8	NO	0.999	NO	bbX

Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.999289$

Calibration curve: $-0.0036114 * x^2 + 1.07823 * x + 0.0110673$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	3.08	88.896	3740.008	0.297	0.3	6.2	NO	0.999	NO	bb
2	2 180528M1_4	Standard	0.500	3.06	175.269	3965.445	0.552	0.5	0.6	NO	0.999	NO	bb
3	3 180528M1_5	Standard	1.000	3.06	325.233	4141.589	0.982	0.9	-9.7	NO	0.999	NO	bb
4	4 180528M1_6	Standard	2.000	3.06	666.409	3716.291	2.242	2.1	4.2	NO	0.999	NO	bb
5	5 180528M1_7	Standard	5.000	3.06	1555.811	3897.031	4.990	4.7	-6.2	NO	0.999	NO	bb
6	6 180528M1_8	Standard	10.000	3.06	3472.549	3942.102	11.011	10.6	5.8	NO	0.999	NO	bb
7	7 180528M1_9	Standard	50.000	3.06	14898.880	4189.235	44.456	49.4	-1.2	NO	0.999	NO	bb
8	8 180528M1_10	Standard	100.000	3.06	24949.820	4337.818	71.896	100.5	0.5	NO	0.999	NO	bb
9	9 180528M1_11	Standard	250.000	3.06	53528.012	4598.382	145.508			NO	0.999	NO	bbXI
10	10 180528M1_12	Standard	500.000	3.06	97666.156	6730.096	181.398			NO	0.999	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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Compound name: PFHxA

Coefficient of Determination: R² = 0.999441

Calibration curve: 0.00157413 * x² + 1.27255 * x + 0.114996

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	3.18	362.344	4475.722	0.405	0.2	-8.9	NO	0.999	NO	bb
2	2 180528M1_4	Standard	0.500	3.15	807.072	5196.042	0.777	0.5	3.9	NO	0.999	NO	bb
3	3 180528M1_5	Standard	1.000	3.14	1404.774	4862.357	1.445	1.0	4.3	NO	0.999	NO	bb
4	4 180528M1_6	Standard	2.000	3.14	3179.192	5013.682	3.171	2.4	19.7	NO	0.999	NO	bb
5	5 180528M1_7	Standard	5.000	3.15	7148.341	4963.811	7.200	5.5	10.6	NO	0.999	NO	bb
6	6 180528M1_8	Standard	10.000	3.15	14540.556	5078.928	14.315	11.0	10.1	NO	0.999	NO	bb
7	7 180528M1_9	Standard	50.000	3.15	66541.547	5074.173	65.569	48.5	-3.0	NO	0.999	NO	bb
8	8 180528M1_10	Standard	100.000	3.15	123400.828	4351.792	141.782	99.2	-0.8	NO	0.999	NO	bb
9	9 180528M1_11	Standard	250.000	3.15	281393.469	3369.821	417.520	250.4	0.2	NO	0.999	NO	bb
10	10 180528M1_12	Standard	500.000	3.15	525482.313	4115.652	638.395	350.0	-30.0	NO	0.999	NO	bbX

Compound name: PFPeS

Correlation coefficient: r = 0.999729, r² = 0.999458

Calibration curve: 1.83823 * x + -0.089437

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	3.38	40.768	1679.824	0.303	0.2	-14.5	NO	0.999	NO	MM
2	2 180528M1_4	Standard	0.500	3.35	136.422	1886.785	0.904	0.5	8.1	NO	0.999	NO	bb
3	3 180528M1_5	Standard	1.000	3.35	256.091	1907.223	1.678	1.0	-3.8	NO	0.999	NO	bb
4	4 180528M1_6	Standard	2.000	3.35	529.857	1728.139	3.833	2.1	6.7	NO	0.999	NO	bb
5	5 180528M1_7	Standard	5.000	3.35	1331.460	1792.120	9.287	5.1	2.0	NO	0.999	NO	bb
6	6 180528M1_8	Standard	10.000	3.35	2740.850	1864.565	18.375	10.0	0.4	NO	0.999	NO	bb
7	7 180528M1_9	Standard	50.000	3.35	12899.174	1708.219	94.391	51.4	2.8	NO	0.999	NO	bb
8	8 180528M1_10	Standard	100.000	3.35	21768.209	1505.688	180.716	98.4	-1.6	NO	0.999	NO	bb
9	9 180528M1_11	Standard	250.000	3.35	50736.512	1129.504	561.491	305.5	22.2	NO	0.999	NO	bbX
10	10 180528M1_12	Standard	500.000	3.35	90903.695	1282.767	885.817	481.9	-3.6	NO	0.999	NO	bbX

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Compound name: PFHpA

Correlation coefficient: $r = 0.999016$, $r^2 = 0.998033$

Calibration curve: $1.18502 * x + 0.0343343$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	3.80	238.916	11695.598	0.255	0.2	-25.4	NO	0.998	NO	bb
2	2 180528M1_4	Standard	0.500	3.77	679.929	12955.861	0.656	0.5	4.9	NO	0.998	NO	bb
3	3 180528M1_5	Standard	1.000	3.76	1472.430	14031.647	1.312	1.1	7.8	NO	0.998	NO	bb
4	4 180528M1_6	Standard	2.000	3.76	2965.176	14423.628	2.570	2.1	7.0	NO	0.998	NO	bb
5	5 180528M1_7	Standard	5.000	3.77	6988.854	14183.330	6.159	5.2	3.4	NO	0.998	NO	bb
6	6 180528M1_8	Standard	10.000	3.76	14437.680	15228.259	11.851	10.0	-0.3	NO	0.998	NO	bb
7	7 180528M1_9	Standard	50.000	3.77	67294.352	13403.322	62.759	52.9	5.9	NO	0.998	NO	bb
8	8 180528M1_10	Standard	100.000	3.76	116744.539	12724.586	114.684	96.7	-3.3	NO	0.998	NO	bb
9	9 180528M1_11	Standard	250.000	3.77	287539.563	9542.282	376.665	317.8	27.1	NO	0.998	NO	bbX
10	10 180528M1_12	Standard	500.000	3.76	500802.063	10290.943	608.304	513.3	2.7	NO	0.998	NO	bbX

Compound name: L-PFHxS

Correlation coefficient: $r = 0.999660$, $r^2 = 0.999319$

Calibration curve: $1.77714 * x + 0.0746137$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	3.95	29.144	885.577	0.411	0.2	-24.2	NO	0.999	NO	MM
2	2 180528M1_4	Standard	0.500	3.92	123.194	1552.693	0.992	0.5	3.2	NO	0.999	NO	MM
3	3 180528M1_5	Standard	1.000	3.92	247.290	1544.554	2.001	1.1	8.4	NO	0.999	NO	MM
4	4 180528M1_6	Standard	2.000	3.92	439.403	1499.973	3.662	2.0	0.9	NO	0.999	NO	MM
5	5 180528M1_7	Standard	5.000	3.92	1122.987	1485.415	9.450	5.3	5.5	NO	0.999	NO	MM
6	6 180528M1_8	Standard	10.000	3.92	2446.367	1607.621	19.022	10.7	6.6	NO	0.999	NO	MM
7	7 180528M1_9	Standard	50.000	3.92	11102.202	1544.672	89.843	50.5	1.0	NO	0.999	NO	MM
8	8 180528M1_10	Standard	100.000	3.92	19328.027	1379.717	175.109	98.5	-1.5	NO	0.999	NO	MM
9	9 180528M1_11	Standard	250.000	3.92	44607.492	980.455	568.709	320.0	28.0	NO	0.999	NO	MMX
10	10 180528M1_12	Standard	500.000	3.92	85393.820	1213.650	879.514	494.9	-1.0	NO	0.999	NO	MMX

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Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.995922$

Calibration curve: $-0.00273617 * x^2 + 1.02645 * x + 0.0987689$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	4.26	77.966	3023.251	0.322	0.2	-12.8	NO	0.996	NO	bb
2	2 180528M1_4	Standard	0.500	4.24	202.575	4340.312	0.583	0.5	-5.5	NO	0.996	NO	bb
3	3 180528M1_5	Standard	1.000	4.23	367.649	4189.587	1.097	1.0	-2.5	NO	0.996	NO	bb
4	4 180528M1_6	Standard	2.000	4.23	863.977	4639.521	2.328	2.2	9.2	NO	0.996	NO	bb
5	5 180528M1_7	Standard	5.000	4.23	1908.511	4534.635	5.261	5.1	2.0	NO	0.996	NO	bb
6	6 180528M1_8	Standard	10.000	4.23	4203.176	4547.424	11.554	11.5	15.1	NO	0.996	NO	bb
7	7 180528M1_9	Standard	50.000	4.23	15869.195	4772.505	41.564	46.0	-7.9	NO	0.996	NO	bb
8	8 180528M1_10	Standard	100.000	4.23	30089.830	4901.497	76.736	102.9	2.9	NO	0.996	NO	bb
9	9 180528M1_11	Standard	250.000	4.23	70296.156	5639.092	155.823			NO	0.996	NO	bbXI
10	10 180528M1_12	Standard	500.000	4.23	117864.406	8047.929	183.066			NO	0.996	NO	bbXI

Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.998928$

Calibration curve: $0.00141193 * x^2 + 0.825402 * x + 0.13303$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	4.31	374.192	16152.082	0.290	0.2	-24.2	NO	0.999	NO	MM
2	2 180528M1_4	Standard	0.500	4.29	1111.719	24888.092	0.558	0.5	3.0	NO	0.999	NO	bb
3	3 180528M1_5	Standard	1.000	4.28	2016.592	27479.893	0.917	0.9	-5.1	NO	0.999	NO	bb
4	4 180528M1_6	Standard	2.000	4.28	3348.063	23049.678	1.816	2.0	1.6	NO	0.999	NO	bb
5	5 180528M1_7	Standard	5.000	4.29	8752.375	23658.896	4.624	5.4	7.8	NO	0.999	NO	bb
6	6 180528M1_8	Standard	10.000	4.29	19695.508	24475.822	10.059	11.8	17.9	NO	0.999	NO	bb
7	7 180528M1_9	Standard	50.000	4.29	88562.242	23957.605	46.208	51.3	2.6	NO	0.999	NO	bb
8	8 180528M1_10	Standard	100.000	4.29	158245.703	21454.877	92.197	95.8	-4.2	NO	0.999	NO	bb
9	9 180528M1_11	Standard	250.000	4.29	362147.031	15280.740	296.245	251.0	0.4	NO	0.999	NO	bb
10	10 180528M1_12	Standard	500.000	4.29	659898.063	18584.746	443.844	339.9	-32.0	YES	0.999	NO	bbX

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Compound name: PFHpS

Coefficient of Determination: R² = 0.999602

Calibration curve: -0.000123546 * x² + 0.16215 * x + -0.0188994

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	4.42	23.908	16152.082	0.019	0.2	-7.7	NO	1.000	NO	MM
2	2 180528M1_4	Standard	0.500	4.40	115.415	24888.092	0.058	0.5	-5.2	NO	1.000	NO	bb
3	3 180528M1_5	Standard	1.000	4.40	324.138	27479.893	0.147	1.0	2.7	NO	1.000	NO	bb
4	4 180528M1_6	Standard	2.000	4.40	583.760	23049.678	0.317	2.1	3.6	NO	1.000	NO	bb
5	5 180528M1_7	Standard	5.000	4.40	1581.130	23658.896	0.835	5.3	5.8	NO	1.000	NO	bb
6	6 180528M1_8	Standard	10.000	4.40	3195.360	24475.822	1.632	10.3	2.6	NO	1.000	NO	bb
7	7 180528M1_9	Standard	50.000	4.40	14564.876	23957.605	7.599	48.8	-2.4	NO	1.000	NO	bb
8	8 180528M1_10	Standard	100.000	4.40	25821.492	21454.877	15.044	100.6	0.6	NO	1.000	NO	bb
9	9 180528M1_11	Standard	250.000	4.40	55753.738	15280.740	45.608	408.6	63.4	YES	1.000	NO	bbX
10	10 180528M1_12	Standard	500.000	4.40	105405.664	18584.746	70.895			NO	1.000	NO	bbXI

Compound name: PFNA

Coefficient of Determination: R² = 0.999703

Calibration curve: -0.00162009 * x² + 1.28092 * x + 0.0219644

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	4.76	352.327	12459.820	0.353	0.3	3.6	NO	1.000	NO	bb
2	2 180528M1_4	Standard	0.500	4.73	1156.698	21934.363	0.659	0.5	-0.4	NO	1.000	NO	bb
3	3 180528M1_5	Standard	1.000	4.73	2044.867	19459.941	1.314	1.0	1.0	NO	1.000	NO	bb
4	4 180528M1_6	Standard	2.000	4.72	3866.826	18606.148	2.598	2.0	0.8	NO	1.000	NO	bb
5	5 180528M1_7	Standard	5.000	4.73	11109.703	22176.459	6.262	4.9	-2.0	NO	1.000	NO	bb
6	6 180528M1_8	Standard	10.000	4.73	21404.070	22083.191	12.116	9.6	-4.4	NO	1.000	NO	bb
7	7 180528M1_9	Standard	50.000	4.72	102421.969	20930.309	61.168	51.0	2.1	NO	1.000	NO	bb
8	8 180528M1_10	Standard	100.000	4.73	156649.406	17577.514	111.393	99.5	-0.5	NO	1.000	NO	bb
9	9 180528M1_11	Standard	250.000	4.73	416531.781	13805.243	377.150			NO	1.000	NO	bbXI
10	10 180528M1_12	Standard	500.000	4.73	777419.125	15450.087	628.976			NO	1.000	NO	bbXI

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Compound name: PFOSA

Correlation coefficient: $r = 0.995170$, $r^2 = 0.990363$

Calibration curve: $0.985703 * x + -0.0571428$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	4.81	67.680	3253.525	0.260	0.3	28.7	NO	0.990	NO	bb
2	2 180528M1_4	Standard	0.500	4.79	192.191	4297.706	0.559	0.6	25.0	NO	0.990	NO	bb
3	3 180528M1_5	Standard	1.000	4.79	289.245	4606.738	0.785	0.9	-14.6	NO	0.990	NO	bb
4	4 180528M1_6	Standard	2.000	4.79	649.375	4412.673	1.840	1.9	-3.8	NO	0.990	NO	bb
5	5 180528M1_7	Standard	5.000	4.79	1529.244	4655.530	4.106	4.2	-15.5	NO	0.990	NO	bb
6	6 180528M1_8	Standard	10.000	4.79	3478.384	4690.646	9.269	9.5	-5.4	NO	0.990	NO	bb
7	7 180528M1_9	Standard	50.000	4.79	15233.076	4221.688	45.104	45.8	-8.4	NO	0.990	NO	bb
8	8 180528M1_10	Standard	100.000	4.79	26033.902	3832.577	84.910	86.2	-13.8	NO	0.990	NO	bb
9	9 180528M1_11	Standard	250.000	4.79	60935.688	2869.814	265.417	269.3	7.7	NO	0.990	NO	bb
10	10 180528M1_12	Standard	500.000	4.79	115822.422	3027.161	478.263	485.3	-2.9	NO	0.990	NO	bbX

Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.999500$

Calibration curve: $0.001078 * x^2 + 0.850904 * x + 0.0359364$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	4.83	31.537	1405.462	0.280	0.3	14.9	NO	0.999	NO	MM
2	2 180528M1_4	Standard	0.500	4.81	120.577	3862.338	0.390	0.4	-16.8	NO	0.999	NO	MM
3	3 180528M1_5	Standard	1.000	4.81	293.776	4002.125	0.918	1.0	3.5	NO	0.999	NO	MM
4	4 180528M1_6	Standard	2.000	4.81	519.468	3974.548	1.634	1.9	-6.3	NO	0.999	NO	MM
5	5 180528M1_7	Standard	5.000	4.81	1417.724	4207.755	4.212	4.9	-2.5	NO	0.999	NO	MM
6	6 180528M1_8	Standard	10.000	4.81	3094.548	4230.919	9.143	10.6	5.6	NO	0.999	NO	MM
7	7 180528M1_9	Standard	50.000	4.81	14077.120	3721.419	47.284	52.1	4.2	NO	0.999	NO	MM
8	8 180528M1_10	Standard	100.000	4.81	24441.611	3291.752	92.814	97.1	-2.9	NO	0.999	NO	MM
9	9 180528M1_11	Standard	250.000	4.81	59472.508	2645.991	280.956	250.6	0.2	NO	0.999	NO	MM
10	10 180528M1_12	Standard	500.000	4.81	107846.148	2883.937	467.443	373.0	-25.4	NO	0.999	NO	MMX

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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Compound name: PFDA

Coefficient of Determination: R² = 0.998609

Calibration curve: $-1.62717e-005 * x^2 + 1.04174 * x + -0.010232$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	5.13	340.899	17134.863	0.249	0.2	-0.6	NO	0.999	NO	bb
2	2 180528M1_4	Standard	0.500	5.10	1067.144	24814.512	0.538	0.5	5.2	NO	0.999	NO	bb
3	3 180528M1_5	Standard	1.000	5.10	2410.722	30271.289	0.995	1.0	-3.5	NO	0.999	NO	bb
4	4 180528M1_6	Standard	2.000	5.10	4624.534	26993.338	2.142	2.1	3.3	NO	0.999	NO	bb
5	5 180528M1_7	Standard	5.000	5.10	11965.294	27316.127	5.475	5.3	5.3	NO	0.999	NO	bb
6	6 180528M1_8	Standard	10.000	5.10	23896.443	32708.721	9.132	8.8	-12.2	NO	0.999	NO	bb
7	7 180528M1_9	Standard	50.000	5.10	115582.648	26910.971	53.688	51.6	3.2	NO	0.999	NO	bb
8	8 180528M1_10	Standard	100.000	5.10	201650.500	24404.117	103.287	99.3	-0.7	NO	0.999	NO	bb
9	9 180528M1_11	Standard	250.000	5.10	500779.750	17989.051	347.975	335.8	34.3	YES	0.999	NO	bbX
10	10 180528M1_12	Standard	500.000	5.10	772381.750	20950.475	460.838	445.5	-10.9	NO	0.999	NO	bbX

Compound name: 8:2 FTS

Coefficient of Determination: R² = 0.999651

Calibration curve: $-0.00503379 * x^2 + 1.38607 * x + -0.0245179$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	5.10	58.452	2262.102	0.323	0.3	0.4	NO	1.000	NO	MM
2	2 180528M1_4	Standard	0.500	5.08	238.585	4345.581	0.686	0.5	2.8	NO	1.000	NO	bb
3	3 180528M1_5	Standard	1.000	5.07	430.770	4283.053	1.257	0.9	-7.2	NO	1.000	NO	bb
4	4 180528M1_6	Standard	2.000	5.07	858.464	3713.838	2.889	2.1	5.9	NO	1.000	NO	bb
5	5 180528M1_7	Standard	5.000	5.07	2258.042	4271.146	6.608	4.9	-2.6	NO	1.000	NO	bb
6	6 180528M1_8	Standard	10.000	5.07	4606.520	4288.147	13.428	10.1	0.7	NO	1.000	NO	bb
7	7 180528M1_9	Standard	50.000	5.07	21059.027	4643.620	56.688	50.0	-0.0	NO	1.000	NO	bb
8	8 180528M1_10	Standard	100.000	5.07	33263.555	4486.250	92.682	114.5	14.5	NO	1.000	NO	bbX
9	9 180528M1_11	Standard	250.000	5.07	77973.969	5743.172	169.710			NO	1.000	NO	bbXI
10	10 180528M1_12	Standard	500.000	5.07	125656.914	7921.143	198.294			NO	1.000	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time
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Compound name: PFNS

Coefficient of Determination: R² = 0.999290

Calibration curve: 0.000829087 * x² + 0.779314 * x + 0.0881757

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	5.20	35.081	1405.462	0.312	0.3	14.9	NO	0.999	NO	MM
2	2 180528M1_4	Standard	0.500	5.16	123.364	3862.338	0.399	0.4	-20.2	NO	0.999	NO	bb
3	3 180528M1_5	Standard	1.000	5.16	286.437	4002.125	0.895	1.0	3.4	NO	0.999	NO	bb
4	4 180528M1_6	Standard	2.000	5.16	535.406	3974.548	1.684	2.0	2.2	NO	0.999	NO	bb
5	5 180528M1_7	Standard	5.000	5.16	1282.118	4207.755	3.809	4.8	-5.0	NO	0.999	NO	bb
6	6 180528M1_8	Standard	10.000	5.16	2758.040	4230.919	8.148	10.2	2.3	NO	0.999	NO	bb
7	7 180528M1_9	Standard	50.000	5.16	12967.019	3721.419	43.555	52.8	5.6	NO	0.999	NO	bb
8	8 180528M1_10	Standard	100.000	5.16	21878.828	3291.752	83.082	96.6	-3.4	NO	0.999	NO	bb
9	9 180528M1_11	Standard	250.000	5.16	52398.383	2645.991	247.537	250.7	0.3	NO	0.999	NO	bb
10	10 180528M1_12	Standard	500.000	5.16	94985.539	2883.937	411.701	377.0	-24.6	NO	0.999	NO	bbX

Compound name: L-MeFOSAA

Coefficient of Determination: R² = 0.998679

Calibration curve: 0.00166915 * x² + 1.31164 * x + 0.00353586

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	5.29	93.290	4860.704	0.240	0.2	-27.9	NO	0.999	NO	MM
2	2 180528M1_4	Standard	0.500	5.25	391.984	6745.700	0.726	0.6	10.1	NO	0.999	NO	MM
3	3 180528M1_5	Standard	1.000	5.25	777.651	7051.763	1.378	1.0	4.7	NO	0.999	NO	MM
4	4 180528M1_6	Standard	2.000	5.25	1494.771	6661.248	2.805	2.1	6.5	NO	0.999	NO	MM
5	5 180528M1_7	Standard	5.000	5.25	3287.632	6361.218	6.460	4.9	-2.2	NO	0.999	NO	MM
6	6 180528M1_8	Standard	10.000	5.25	7947.125	6937.605	14.319	10.8	7.7	NO	0.999	NO	MM
7	7 180528M1_9	Standard	50.000	5.25	38545.484	6439.288	74.825	53.4	6.8	NO	0.999	NO	MM
8	8 180528M1_10	Standard	100.000	5.25	64441.148	5780.858	139.342	94.8	-5.2	NO	0.999	NO	MM
9	9 180528M1_11	Standard	250.000	5.25	152541.516	4387.532	434.588	251.1	0.4	NO	0.999	NO	MM
10	10 180528M1_12	Standard	500.000	5.25	280035.281	5438.114	643.687	341.9	-31.6	YES	0.999	NO	MMX

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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Compound name: L-EtFOSAA

Coefficient of Determination: R² = 0.999493

Calibration curve: -0.000753322 * x² + 1.00163 * x + -0.0476582

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	5.44	80.348	6420.321	0.156	0.2	-18.5	NO	0.999	NO	MM
2	2 180528M1_4	Standard	0.500	5.41	270.715	7781.737	0.435	0.5	-3.6	NO	0.999	NO	MM
3	3 180528M1_5	Standard	1.000	5.41	610.649	7541.775	1.012	1.1	5.9	NO	0.999	NO	MM
4	4 180528M1_6	Standard	2.000	5.41	1197.033	7467.479	2.004	2.1	2.6	NO	0.999	NO	MM
5	5 180528M1_7	Standard	5.000	5.41	2733.519	7597.793	4.497	4.6	-8.9	NO	0.999	NO	MM
6	6 180528M1_8	Standard	10.000	5.41	6385.009	7809.424	10.220	10.3	3.3	NO	0.999	NO	MM
7	7 180528M1_9	Standard	50.000	5.41	27641.492	7150.913	48.318	50.2	0.4	NO	0.999	NO	MM
8	8 180528M1_10	Standard	100.000	5.41	49433.238	6681.167	92.486	99.9	-0.1	NO	0.999	NO	MM
9	9 180528M1_11	Standard	250.000	5.41	111779.602	4643.108	300.929	458.8	83.5	YES	0.999	NO	MMX
10	10 180528M1_12	Standard	500.000	5.41	199778.109	4908.928	508.711			NO	0.999	NO	MMXI

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 14:48:48 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 15:10:07 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Compound name: PFUdA

Correlation coefficient: $r = 0.999640$, $r^2 = 0.999280$

Calibration curve: $0.887045 * x + 0.0461361$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	5.45	405.125	21087.146	0.240	0.2	-12.5	NO	0.999	NO	bb
2	2 180528M1_4	Standard	0.500	5.43	1041.351	25667.547	0.507	0.5	3.9	NO	0.999	NO	bb
3	3 180528M1_5	Standard	1.000	5.42	2381.197	30899.283	0.963	1.0	3.4	NO	0.999	NO	bb
4	4 180528M1_6	Standard	2.000	5.42	4175.134	29419.783	1.774	1.9	-2.6	NO	0.999	NO	bb
5	5 180528M1_7	Standard	5.000	5.42	11325.066	29545.928	4.791	5.3	7.0	NO	0.999	NO	bb
6	6 180528M1_8	Standard	10.000	5.42	23125.900	31422.605	9.200	10.3	3.2	NO	0.999	NO	bb
7	7 180528M1_9	Standard	50.000	5.42	99230.047	28951.254	42.844	48.2	-3.5	NO	0.999	NO	bb
8	8 180528M1_10	Standard	100.000	5.43	188466.688	26252.074	89.739	101.1	1.1	NO	0.999	NO	bb
9	9 180528M1_11	Standard	250.000	5.43	426293.875	18259.791	291.826	328.9	31.6	YES	0.999	NO	bbX
10	10 180528M1_12	Standard	500.000	5.43	830562.313	20963.320	495.247	558.3	11.7	NO	0.999	NO	bbX

Compound name: PFDS

Coefficient of Determination: $R^2 = 0.998073$

Calibration curve: $0.000281191 * x^2 + 0.102068 * x + 0.0367619$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	5.51	25.119	21087.146	0.015			NO	0.998	NO	MMXI
2	2 180528M1_4	Standard	0.500	5.47	152.689	25667.547	0.074	0.4	-26.4	NO	0.998	NO	bb
3	3 180528M1_5	Standard	1.000	5.47	335.499	30899.283	0.136	1.0	-3.3	NO	0.998	NO	bb
4	4 180528M1_6	Standard	2.000	5.47	608.264	29419.783	0.258	2.2	8.0	NO	0.998	NO	bb
5	5 180528M1_7	Standard	5.000	5.47	1446.023	29545.928	0.612	5.5	11.0	NO	0.998	NO	bb
6	6 180528M1_8	Standard	10.000	5.47	2926.306	31422.605	1.164	10.7	7.3	NO	0.998	NO	bb
7	7 180528M1_9	Standard	50.000	5.47	14885.252	28951.254	6.427	54.4	8.9	NO	0.998	NO	bb
8	8 180528M1_10	Standard	100.000	5.47	25324.621	26252.074	12.058	93.6	-6.4	NO	0.998	NO	bb
9	9 180528M1_11	Standard	250.000	5.47	63406.766	18259.791	43.406	251.1	0.5	NO	0.998	NO	bb
10	10 180528M1_12	Standard	500.000	5.47	112000.578	20963.320	66.784	338.4	-32.3	YES	0.998	NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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Compound name: PFDoA

Correlation coefficient: $r = 0.997756$, $r^2 = 0.995516$

Calibration curve: $1.01793 * x + 0.270053$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	5.74	613.894	28007.158	0.274	0.0	-98.5	YES	0.996	NO	bbX
2	2 180528M1_4	Standard	0.500	5.71	1485.619	28792.367	0.645	0.4	-26.3	NO	0.996	NO	bb
3	3 180528M1_5	Standard	1.000	5.70	2789.457	31496.070	1.107	0.8	-17.8	NO	0.996	NO	bb
4	4 180528M1_6	Standard	2.000	5.70	5475.524	26802.564	2.554	2.2	12.2	NO	0.996	NO	bb
5	5 180528M1_7	Standard	5.000	5.70	13084.946	30447.090	5.372	5.0	0.2	NO	0.996	NO	bb
6	6 180528M1_8	Standard	10.000	5.70	26917.223	29216.486	11.516	11.0	10.5	NO	0.996	NO	bb
7	7 180528M1_9	Standard	50.000	5.70	118799.445	26338.875	56.380	55.1	10.2	NO	0.996	NO	bb
8	8 180528M1_10	Standard	100.000	5.70	232004.422	24522.459	118.261	115.9	15.9	NO	0.996	NO	bb
9	9 180528M1_11	Standard	250.000	5.71	411815.906	20422.854	252.056	247.4	-1.1	NO	0.996	NO	bb
10	10 180528M1_12	Standard	500.000	5.70	860681.813	21978.135	489.510	480.6	-3.9	NO	0.996	NO	bb

Compound name: N-MeFOSA

Coefficient of Determination: $R^2 = 0.991925$

Calibration curve: $-9.56844e-005 * x^2 + 1.20175 * x + -0.471228$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	1.250	5.88	197.318	19434.664	1.523	1.7	32.8	YES	0.992	NO	bbX
2	2 180528M1_4	Standard	2.500	5.87	366.766	19215.508	2.863	2.8	11.0	NO	0.992	NO	bb
3	3 180528M1_5	Standard	5.000	5.87	746.575	19058.412	5.876	5.3	5.7	NO	0.992	NO	bb
4	4 180528M1_6	Standard	10.000	5.87	1399.789	18106.131	11.597	10.0	0.5	NO	0.992	NO	bb
5	5 180528M1_7	Standard	25.000	5.87	3140.794	17974.621	26.210	22.2	-11.0	NO	0.992	NO	bb
6	6 180528M1_8	Standard	50.000	5.87	6715.805	18763.813	53.687	45.2	-9.5	NO	0.992	NO	bb
7	7 180528M1_9	Standard	250.000	5.87	31485.865	18283.520	258.313	219.2	-12.3	NO	0.992	NO	bb
8	8 180528M1_10	Standard	500.000	5.87	54060.477	15650.342	518.140	447.5	-10.5	NO	0.992	NO	bb
9	9 180528M1_11	Standard	1250.000	5.87	127631.547	12545.747	1525.994	1433.9	14.7	NO	0.992	NO	bb
10	10 180528M1_12	Standard	2500.000	5.87	235040.922	15103.140	2334.358	2402.4	-3.9	NO	0.992	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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Compound name: PFTrDA

Coefficient of Determination: R² = 0.996499

Calibration curve: -0.00024791 * x² + 1.26037 * x + -0.0531651

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	5.98	748.032	28007.158	0.334	0.3	22.8	NO	0.996	NO	bb
2	2 180528M1_4	Standard	0.500	5.95	1317.055	28792.367	0.572	0.5	-0.8	NO	0.996	NO	bb
3	3 180528M1_5	Standard	1.000	5.95	2880.091	31496.070	1.143	0.9	-5.1	NO	0.996	NO	bb
4	4 180528M1_6	Standard	2.000	5.95	5519.242	26802.564	2.574	2.1	4.3	NO	0.996	NO	bb
5	5 180528M1_7	Standard	5.000	5.95	13127.898	30447.090	5.390	4.3	-13.6	NO	0.996	NO	bb
6	6 180528M1_8	Standard	10.000	5.95	29393.549	29216.486	12.576	10.0	0.4	NO	0.996	NO	bb
7	7 180528M1_9	Standard	50.000	5.95	123409.234	26338.875	58.568	46.9	-6.1	NO	0.996	NO	bb
8	8 180528M1_10	Standard	100.000	5.95	221282.078	24522.459	112.796	91.2	-8.8	NO	0.996	NO	bb
9	9 180528M1_11	Standard	250.000	5.95	530749.375	20422.854	324.850	272.4	9.0	NO	0.996	NO	bb
10	10 180528M1_12	Standard	500.000	5.95	981154.750	21978.135	558.029	490.0	-2.0	NO	0.996	NO	bb

Compound name: PFTeDA

Coefficient of Determination: R² = 0.999030

Calibration curve: -0.000450166 * x² + 1.3795 * x + -0.0504348

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	6.20	653.979	22489.508	0.363	0.3	20.0	NO	0.999	NO	bb
2	2 180528M1_4	Standard	0.500	6.17	1268.917	22744.105	0.697	0.5	8.4	NO	0.999	NO	bb
3	3 180528M1_5	Standard	1.000	6.17	2403.190	23561.797	1.275	1.0	-3.9	NO	0.999	NO	bb
4	4 180528M1_6	Standard	2.000	6.17	4343.970	21089.174	2.575	1.9	-4.8	NO	0.999	NO	bb
5	5 180528M1_7	Standard	5.000	6.17	10279.303	21192.252	6.063	4.4	-11.2	NO	0.999	NO	bb
6	6 180528M1_8	Standard	10.000	6.17	24000.283	22950.629	13.072	9.5	-4.6	NO	0.999	NO	bb
7	7 180528M1_9	Standard	50.000	6.17	110329.008	21495.268	64.159	47.3	-5.5	NO	0.999	NO	bb
8	8 180528M1_10	Standard	100.000	6.17	182518.750	17428.342	130.907	98.1	-1.9	NO	0.999	NO	bb
9	9 180528M1_11	Standard	250.000	6.17	401992.156	15222.244	330.103	261.7	4.7	NO	0.999	NO	bb
10	10 180528M1_12	Standard	500.000	6.17	792397.000	17336.592	571.333	493.8	-1.2	NO	0.999	NO	bb

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Compound name: N-EtFOSA

Coefficient of Determination: R² = 0.999040

Calibration curve: 0.000234046 * x² + 0.835199 * x + 0.310518

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	1.250	6.29	184.450	23514.635	1.177	1.0	-17.1	NO	0.999	NO	bb
2	2 180528M1_4	Standard	2.500	6.28	389.168	27068.318	2.157	2.2	-11.6	NO	0.999	NO	bb
3	3 180528M1_5	Standard	5.000	6.28	800.475	27736.357	4.329	4.8	-3.9	NO	0.999	NO	bb
4	4 180528M1_6	Standard	10.000	6.27	1656.665	26137.260	9.507	11.0	9.8	NO	0.999	NO	bb
5	5 180528M1_7	Standard	25.000	6.28	4024.661	25577.820	23.602	27.7	10.7	NO	0.999	NO	bb
6	6 180528M1_8	Standard	50.000	6.27	8837.148	27513.836	48.178	56.4	12.8	NO	0.999	NO	bb
7	7 180528M1_9	Standard	250.000	6.28	38551.973	25053.365	230.819	257.4	3.0	NO	0.999	NO	bb
8	8 180528M1_10	Standard	500.000	6.28	66333.664	21913.631	454.058	479.0	-4.2	NO	0.999	NO	bb
9	9 180528M1_11	Standard	1250.000	6.28	154213.969	16321.651	1417.264	1255.1	0.4	NO	0.999	NO	bb
10	10 180528M1_12	Standard	2500.000	6.27	271809.906	18647.818	2186.394	1754.7	-29.8	NO	0.999	NO	bbX

Compound name: PFHxDA

Coefficient of Determination: R² = 0.996623

Calibration curve: -0.00045341 * x² + 0.753823 * x + 0.00455734

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	6.52	552.434	13136.391	0.210	0.3	9.2	NO	0.997	NO	bb
2	2 180528M1_4	Standard	0.500	6.50	1160.810	12566.161	0.462	0.6	21.4	NO	0.997	NO	bb
3	3 180528M1_5	Standard	1.000	6.50	2134.767	14667.154	0.728	1.0	-4.0	NO	0.997	NO	bb
4	4 180528M1_6	Standard	2.000	6.50	3755.733	13201.311	1.422	1.9	-5.8	NO	0.997	NO	bb
5	5 180528M1_7	Standard	5.000	6.50	8642.605	13168.606	3.282	4.4	-12.8	NO	0.997	NO	bb
6	6 180528M1_8	Standard	10.000	6.50	19054.516	12796.357	7.445	9.9	-0.7	NO	0.997	NO	bb
7	7 180528M1_9	Standard	50.000	6.50	85854.852	12624.852	34.002	46.4	-7.2	NO	0.997	NO	bb
8	8 180528M1_10	Standard	100.000	6.50	148616.469	11181.128	66.459	93.4	-6.6	NO	0.997	NO	bb
9	9 180528M1_11	Standard	250.000	6.50	349242.094	10102.174	172.855	274.7	9.9	NO	0.997	NO	bb
10	10 180528M1_12	Standard	500.000	6.50	599726.438	11607.380	258.338	483.0	-3.4	NO	0.997	NO	bb

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Compound name: PFODA

Coefficient of Determination: $R^2 = 0.998350$

Calibration curve: $-0.000400131 * x^2 + 0.880442 * x + -0.0307478$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	0.250	6.75	486.977	13136.391	0.185	0.2	-1.8	NO	0.998	NO	bb
2	2 180528M1_4	Standard	0.500	6.73	1163.282	12566.161	0.463	0.6	12.2	NO	0.998	NO	bb
3	3 180528M1_5	Standard	1.000	6.73	2349.716	14667.154	0.801	0.9	-5.5	NO	0.998	NO	bb
4	4 180528M1_6	Standard	2.000	6.73	4226.583	13201.311	1.601	1.9	-7.3	NO	0.998	NO	bb
5	5 180528M1_7	Standard	5.000	6.73	10415.518	13168.606	3.955	4.5	-9.3	NO	0.998	NO	bb
6	6 180528M1_8	Standard	10.000	6.73	22885.045	12796.357	8.942	10.2	2.4	NO	0.998	NO	bb
7	7 180528M1_9	Standard	50.000	6.73	104939.164	12624.852	41.561	48.3	-3.4	NO	0.998	NO	bb
8	8 180528M1_10	Standard	100.000	6.73	177281.750	11181.128	79.277	94.1	-5.9	NO	0.998	NO	bb
9	9 180528M1_11	Standard	250.000	6.73	415949.063	10102.174	205.871	266.0	6.4	NO	0.998	NO	bb
10	10 180528M1_12	Standard	500.000	6.73	779663.313	11607.380	335.848	491.1	-1.8	NO	0.998	NO	bb

Compound name: N-MeFOSE

Correlation coefficient: $r = 0.999476$, $r^2 = 0.998953$

Calibration curve: $0.924241 * x + 0.0436252$

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	1.250	6.44	108.416	15001.178	1.084	1.1	-9.9	NO	0.999	NO	bbX
2	2 180528M1_4	Standard	2.500	6.42	248.440	13950.684	2.671	2.8	13.7	NO	0.999	NO	bb
3	3 180528M1_5	Standard	5.000	6.42	430.769	14308.338	4.516	4.8	-3.2	NO	0.999	NO	MM
4	4 180528M1_6	Standard	10.000	6.42	812.923	13784.417	8.846	9.5	-4.8	NO	0.999	NO	MM
5	5 180528M1_7	Standard	25.000	6.42	2064.927	14599.338	21.216	22.9	-8.4	NO	0.999	NO	MM
6	6 180528M1_8	Standard	50.000	6.42	4551.192	14144.680	48.264	52.2	4.3	NO	0.999	NO	MM
7	7 180528M1_9	Standard	250.000	6.42	21265.012	14305.417	222.975	241.2	-3.5	NO	0.999	NO	MM
8	8 180528M1_10	Standard	500.000	6.42	36347.680	11588.251	470.490	509.0	1.8	NO	0.999	NO	MM
9	9 180528M1_11	Standard	1250.000	6.42	94014.727	9827.300	1435.003	1552.6	24.2	NO	0.999	NO	MMX
10	10 180528M1_12	Standard	2500.000	6.42	189868.594	11498.335	2476.905	2679.9	7.2	NO	0.999	NO	MMX

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Compound name: N-EtFOSE

Coefficient of Determination: R² = 0.999479

Calibration curve: $-9.05452e-005 * x^2 + 1.1312 * x + -0.0363474$

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	1.250	6.59	118.698	13057.608	1.364	1.2	-1.0	NO	0.999	NO	bb
2	2 180528M1_4	Standard	2.500	6.57	261.573	13643.704	2.876	2.6	3.0	NO	0.999	NO	bb
3	3 180528M1_5	Standard	5.000	6.57	549.636	14185.477	5.812	5.2	3.4	NO	0.999	NO	bb
4	4 180528M1_6	Standard	10.000	6.57	987.696	12961.519	11.430	10.1	1.4	NO	0.999	NO	bb
5	5 180528M1_7	Standard	25.000	6.57	2449.216	13361.119	27.496	24.4	-2.5	NO	0.999	NO	bb
6	6 180528M1_8	Standard	50.000	6.57	5063.516	14412.789	52.698	46.8	-6.4	NO	0.999	NO	bb
7	7 180528M1_9	Standard	250.000	6.57	24080.885	12716.658	284.047	256.4	2.6	NO	0.999	NO	bb
8	8 180528M1_10	Standard	500.000	6.57	43589.590	12111.740	539.843	497.0	-0.6	NO	0.999	NO	bb
9	9 180528M1_11	Standard	1250.000	6.57	113259.336	9223.619	1841.891	1924.9	54.0	YES	0.999	NO	bbX
10	10 180528M1_12	Standard	2500.000	6.57	213068.016	11454.935	2790.082	3382.1	35.3	YES	0.999	NO	bbX

Compound name: 13C3-PFBA

Response Factor: 0.847433

RRF SD: 0.00806935, Relative SD: 0.952211

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	1.50	9969.354	11862.641	10.505	12.4	-0.8	NO		NO	bb
2	2 180528M1_4	Standard	12.500	1.39	10178.998	12078.119	10.535	12.4	-0.6	NO		NO	bb
3	3 180528M1_5	Standard	12.500	1.39	10363.013	12312.682	10.521	12.4	-0.7	NO		NO	bb
4	4 180528M1_6	Standard	12.500	1.39	9499.421	11243.421	10.561	12.5	-0.3	NO		NO	bb
5	5 180528M1_7	Standard	12.500	1.39	9778.668	11473.344	10.654	12.6	0.6	NO		NO	bb
6	6 180528M1_8	Standard	12.500	1.39	10337.317	12305.400	10.501	12.4	-0.9	NO		NO	bb
7	7 180528M1_9	Standard	12.500	1.39	9554.909	11338.341	10.534	12.4	-0.6	NO		NO	bb
8	8 180528M1_10	Standard	12.500	1.39	8598.538	10104.483	10.637	12.6	0.4	NO		NO	bb
9	9 180528M1_11	Standard	12.500	1.39	6878.464	8064.315	10.662	12.6	0.7	NO		NO	bb
10	10 180528M1_12	Standard	12.500	1.39	8422.270	9729.469	10.821	12.8	2.1	NO		NO	bb

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Compound name: 13C3-PFPeA

Response Factor: 0.852052

RRF SD: 0.0365421, Relative SD: 4.28872

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	2.41	14277.305	15528.515	11.493	13.5	7.9	NO		NO	bb
2	2 180528M1_4	Standard	12.500	2.37	15214.251	19021.994	9.998	11.7	-6.1	NO		NO	bb
3	3 180528M1_5	Standard	12.500	2.36	15576.379	18384.977	10.590	12.4	-0.6	NO		NO	bb
4	4 180528M1_6	Standard	12.500	2.37	14454.244	17538.754	10.302	12.1	-3.3	NO		NO	bb
5	5 180528M1_7	Standard	12.500	2.37	14462.986	16811.225	10.754	12.6	1.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	2.37	15402.417	18898.365	10.188	12.0	-4.3	NO		NO	bb
7	7 180528M1_9	Standard	12.500	2.37	14556.569	17302.535	10.516	12.3	-1.3	NO		NO	bb
8	8 180528M1_10	Standard	12.500	2.37	12505.319	14517.041	10.768	12.6	1.1	NO		NO	bb
9	9 180528M1_11	Standard	12.500	2.37	9892.274	11613.475	10.647	12.5	-0.0	NO		NO	bb
10	10 180528M1_12	Standard	12.500	2.37	11482.395	12757.396	11.251	13.2	5.6	NO		NO	bb

Compound name: 13C3-PFBS

Response Factor: 0.101516

RRF SD: 0.0037907, Relative SD: 3.7341

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	2.69	1679.824	15528.515	1.352	13.3	6.6	NO		NO	bb
2	2 180528M1_4	Standard	12.500	2.66	1886.785	19021.994	1.240	12.2	-2.3	NO		NO	bb
3	3 180528M1_5	Standard	12.500	2.65	1907.223	18384.977	1.297	12.8	2.2	NO		NO	bb
4	4 180528M1_6	Standard	12.500	2.65	1728.139	17538.754	1.232	12.1	-2.9	NO		NO	bb
5	5 180528M1_7	Standard	12.500	2.65	1792.120	16811.225	1.333	13.1	5.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	2.66	1864.565	18898.365	1.233	12.1	-2.8	NO		NO	bb
7	7 180528M1_9	Standard	12.500	2.65	1708.219	17302.535	1.234	12.2	-2.7	NO		NO	bb
8	8 180528M1_10	Standard	12.500	2.66	1505.688	14517.041	1.296	12.8	2.2	NO		NO	bb
9	9 180528M1_11	Standard	12.500	2.66	1129.504	11613.475	1.216	12.0	-4.2	NO		NO	bb
10	10 180528M1_12	Standard	12.500	2.66	1282.767	12757.396	1.257	12.4	-1.0	NO		NO	bb

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Compound name: 13C2-4:2 FTS

Response Factor: 0.233476

RRF SD: 0.029708, Relative SD: 12.7242

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	3.08	3740.008	15528.515	3.011	12.9	3.2	NO		NO	bb
2	2 180528M1_4	Standard	12.500	3.06	3965.445	19021.994	2.606	11.2	-10.7	NO		NO	bb
3	3 180528M1_5	Standard	12.500	3.06	4141.589	18384.977	2.816	12.1	-3.5	NO		NO	bb
4	4 180528M1_6	Standard	12.500	3.06	3716.291	17538.754	2.649	11.3	-9.2	NO		NO	bb
5	5 180528M1_7	Standard	12.500	3.06	3897.031	16811.225	2.898	12.4	-0.7	NO		NO	bb
6	6 180528M1_8	Standard	12.500	3.06	3942.102	18898.365	2.607	11.2	-10.7	NO		NO	bb
7	7 180528M1_9	Standard	12.500	3.06	4189.235	17302.535	3.026	13.0	3.7	NO		NO	bb
8	8 180528M1_10	Standard	12.500	3.06	4337.818	14517.041	3.735	16.0	28.0	NO		NO	bb
9	9 180528M1_11	Standard	12.500	3.06	4598.382	11613.475	4.949	21.2	69.6	NO		NO	bbX
10	10 180528M1_12	Standard	12.500	3.06	6730.096	12757.396	6.594	28.2	126.0	NO		NO	bbX

Compound name: 13C2-PFHxA

Response Factor: 0.720387

RRF SD: 0.0422475, Relative SD: 5.86456

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	5.000	3.18	4475.722	15528.515	3.603	5.0	0.0	NO		NO	bb
2	2 180528M1_4	Standard	5.000	3.15	5196.042	19021.994	3.414	4.7	-5.2	NO		NO	bb
3	3 180528M1_5	Standard	5.000	3.14	4862.357	18384.977	3.306	4.6	-8.2	NO		NO	bb
4	4 180528M1_6	Standard	5.000	3.14	5013.682	17538.754	3.573	5.0	-0.8	NO		NO	bb
5	5 180528M1_7	Standard	5.000	3.14	4963.811	16811.225	3.691	5.1	2.5	NO		NO	bb
6	6 180528M1_8	Standard	5.000	3.15	5078.928	18898.365	3.359	4.7	-6.7	NO		NO	bb
7	7 180528M1_9	Standard	5.000	3.15	5074.173	17302.535	3.666	5.1	1.8	NO		NO	bb
8	8 180528M1_10	Standard	5.000	3.15	4351.792	14517.041	3.747	5.2	4.0	NO		NO	bb
9	9 180528M1_11	Standard	5.000	3.14	3369.821	11613.475	3.627	5.0	0.7	NO		NO	bb
10	10 180528M1_12	Standard	5.000	3.15	4115.652	12757.396	4.033	5.6	12.0	NO		NO	bb

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Compound name: 13C4-PFHpA

Response Factor: 0.794884

RRF SD: 0.0546481, Relative SD: 6.87498

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	3.79	11695.598	15528.515	9.415	11.8	-5.2	NO		NO	bb
2	2 180528M1_4	Standard	12.500	3.77	12955.861	19021.994	8.514	10.7	-14.3	NO		NO	bb
3	3 180528M1_5	Standard	12.500	3.76	14031.647	18384.977	9.540	12.0	-4.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	3.76	14423.628	17538.754	10.280	12.9	3.5	NO		NO	bb
5	5 180528M1_7	Standard	12.500	3.77	14183.330	16811.225	10.546	13.3	6.1	NO		NO	bb
6	6 180528M1_8	Standard	12.500	3.76	15228.259	18898.365	10.072	12.7	1.4	NO		NO	bb
7	7 180528M1_9	Standard	12.500	3.77	13403.322	17302.535	9.683	12.2	-2.5	NO		NO	bb
8	8 180528M1_10	Standard	12.500	3.76	12724.586	14517.041	10.957	13.8	10.3	NO		NO	bb
9	9 180528M1_11	Standard	12.500	3.77	9542.282	11613.475	10.271	12.9	3.4	NO		NO	bb
10	10 180528M1_12	Standard	12.500	3.76	10290.943	12757.396	10.083	12.7	1.5	NO		NO	bb

Compound name: 18O2-PFHxS

Response Factor: 0.420671

RRF SD: 0.0115027, Relative SD: 2.73436

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	3.95	885.577	2119.922	5.222	12.4	-0.7	NO		NO	bb
2	2 180528M1_4	Standard	12.500	3.92	1552.693	3635.824	5.338	12.7	1.5	NO		NO	bb
3	3 180528M1_5	Standard	12.500	3.91	1544.554	3823.252	5.050	12.0	-4.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	3.92	1499.973	3594.333	5.216	12.4	-0.8	NO		NO	bb
5	5 180528M1_7	Standard	12.500	3.92	1485.415	3639.112	5.102	12.1	-3.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	3.92	1607.621	3907.323	5.143	12.2	-2.2	NO		NO	bb
7	7 180528M1_9	Standard	12.500	3.92	1544.672	3561.132	5.422	12.9	3.1	NO		NO	bb
8	8 180528M1_10	Standard	12.500	3.92	1379.717	3199.983	5.390	12.8	2.5	NO		NO	bb
9	9 180528M1_11	Standard	12.500	3.92	980.455	2348.234	5.219	12.4	-0.7	NO		NO	bb
10	10 180528M1_12	Standard	12.500	3.92	1213.650	2767.457	5.482	13.0	4.2	NO		NO	bb

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Compound name: 13C2-6:2 FTS

Response Factor: 0.280448

RRF SD: 0.0395539, Relative SD: 14.1038

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	4.26	3023.251	11590.746	3.260	11.6	-7.0	NO		NO	bb
2	2 180528M1_4	Standard	12.500	4.23	4340.312	16097.383	3.370	12.0	-3.9	NO		NO	bb
3	3 180528M1_5	Standard	12.500	4.23	4189.587	18753.994	2.792	10.0	-20.3	NO		NO	bb
4	4 180528M1_6	Standard	12.500	4.23	4639.521	17561.848	3.302	11.8	-5.8	NO		NO	bb
5	5 180528M1_7	Standard	12.500	4.23	4534.635	14194.423	3.993	14.2	13.9	NO		NO	bb
6	6 180528M1_8	Standard	12.500	4.23	4547.424	17197.486	3.305	11.8	-5.7	NO		NO	bb
7	7 180528M1_9	Standard	12.500	4.23	4772.505	16452.072	3.626	12.9	3.4	NO		NO	bb
8	8 180528M1_10	Standard	12.500	4.23	4901.497	13941.742	4.395	15.7	25.4	NO		NO	bb
9	9 180528M1_11	Standard	12.500	4.23	5639.092	10743.604	6.561	23.4	87.2	NO		NO	bbX
10	10 180528M1_12	Standard	12.500	4.23	8047.929	11989.136	8.391	29.9	139.4	NO		NO	bbX

Compound name: 13C2-PFOA

Response Factor: 1.47749

RRF SD: 0.10025, Relative SD: 6.78511

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	4.31	16152.082	11590.746	17.419	11.8	-5.7	NO		NO	bb
2	2 180528M1_4	Standard	12.500	4.29	24888.092	16097.383	19.326	13.1	4.6	NO		NO	bb
3	3 180528M1_5	Standard	12.500	4.29	27479.893	18753.994	18.316	12.4	-0.8	NO		NO	bb
4	4 180528M1_6	Standard	12.500	4.29	23049.678	17561.848	16.406	11.1	-11.2	NO		NO	bb
5	5 180528M1_7	Standard	12.500	4.29	23658.896	14194.423	20.835	14.1	12.8	NO		NO	bb
6	6 180528M1_8	Standard	12.500	4.29	24475.822	17197.486	17.790	12.0	-3.7	NO		NO	bb
7	7 180528M1_9	Standard	12.500	4.29	23957.605	16452.072	18.203	12.3	-1.4	NO		NO	bb
8	8 180528M1_10	Standard	12.500	4.29	21454.877	13941.742	19.236	13.0	4.2	NO		NO	bb
9	9 180528M1_11	Standard	12.500	4.29	15280.740	10743.604	17.779	12.0	-3.7	NO		NO	bb
10	10 180528M1_12	Standard	12.500	4.29	18584.746	11989.136	19.377	13.1	4.9	NO		NO	bb

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Compound name: 13C5-PFNA

Response Factor: 0.955244

RRF SD: 0.0400619, Relative SD: 4.19389

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	4.75	12459.820	11874.687	13.116	13.7	9.8	NO		NO	bb
2	2 180528M1_4	Standard	12.500	4.73	21934.363	23478.742	11.678	12.2	-2.2	NO		NO	bb
3	3 180528M1_5	Standard	12.500	4.72	19459.941	21551.324	11.287	11.8	-5.5	NO		NO	bb
4	4 180528M1_6	Standard	12.500	4.72	18606.148	19603.385	11.864	12.4	-0.6	NO		NO	bb
5	5 180528M1_7	Standard	12.500	4.73	22176.459	22731.789	12.195	12.8	2.1	NO		NO	bb
6	6 180528M1_8	Standard	12.500	4.73	22083.191	23668.350	11.663	12.2	-2.3	NO		NO	bb
7	7 180528M1_9	Standard	12.500	4.72	20930.309	22184.375	11.793	12.3	-1.2	NO		NO	bb
8	8 180528M1_10	Standard	12.500	4.73	17577.514	18977.098	11.578	12.1	-3.0	NO		NO	bb
9	9 180528M1_11	Standard	12.500	4.73	13805.243	14352.774	12.023	12.6	0.7	NO		NO	bb
10	10 180528M1_12	Standard	12.500	4.72	15450.087	15818.894	12.209	12.8	2.2	NO		NO	bb

Compound name: 13C8-PFOA

Response Factor: 0.151131

RRF SD: 0.010625, Relative SD: 7.03033

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	4.82	3253.525	19112.223	2.128	14.1	12.6	NO		NO	bb
2	2 180528M1_4	Standard	12.500	4.79	4297.706	32417.336	1.657	11.0	-12.3	NO		NO	bb
3	3 180528M1_5	Standard	12.500	4.79	4606.738	32347.191	1.780	11.8	-5.8	NO		NO	bb
4	4 180528M1_6	Standard	12.500	4.79	4412.673	30281.625	1.822	12.1	-3.6	NO		NO	bb
5	5 180528M1_7	Standard	12.500	4.79	4655.530	30022.416	1.938	12.8	2.6	NO		NO	bb
6	6 180528M1_8	Standard	12.500	4.79	4690.646	28613.193	2.049	13.6	8.5	NO		NO	bb
7	7 180528M1_9	Standard	12.500	4.79	4221.688	28189.996	1.872	12.4	-0.9	NO		NO	bb
8	8 180528M1_10	Standard	12.500	4.79	3832.577	24988.213	1.917	12.7	1.5	NO		NO	bb
9	9 180528M1_11	Standard	12.500	4.79	2869.814	19492.361	1.840	12.2	-2.6	NO		NO	bb
10	10 180528M1_12	Standard	12.500	4.79	3027.161	20046.492	1.888	12.5	-0.1	NO		NO	bb

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Compound name: 13C8-PFOS

Response Factor: 1.02256

RRF SD: 0.0374042, Relative SD: 3.6579

Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	4.84	1405.462	1337.661	13.134	12.8	2.8	NO		NO	bb
2	2 180528M1_4	Standard	12.500	4.81	3862.338	3970.213	12.160	11.9	-4.9	NO		NO	bb
3	3 180528M1_5	Standard	12.500	4.81	4002.125	4119.314	12.144	11.9	-5.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	4.81	3974.548	3876.027	12.818	12.5	0.3	NO		NO	bb
5	5 180528M1_7	Standard	12.500	4.81	4207.755	3974.594	13.233	12.9	3.5	NO		NO	bb
6	6 180528M1_8	Standard	12.500	4.81	4230.919	3988.105	13.261	13.0	3.7	NO		NO	bb
7	7 180528M1_9	Standard	12.500	4.81	3721.419	3779.478	12.308	12.0	-3.7	NO		NO	bb
8	8 180528M1_10	Standard	12.500	4.81	3291.752	3289.608	12.508	12.2	-2.1	NO		NO	bb
9	9 180528M1_11	Standard	12.500	4.81	2645.991	2482.045	13.326	13.0	4.3	NO		NO	bb
10	10 180528M1_12	Standard	12.500	4.81	2883.937	2788.568	12.927	12.6	1.1	NO		NO	bb

Compound name: 13C2-PFDA

Response Factor: 1.19971

RRF SD: 0.10034, Relative SD: 8.3637

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	5.13	17134.863	14194.981	15.089	12.6	0.6	NO		NO	bb
2	2 180528M1_4	Standard	12.500	5.10	24814.512	23369.088	13.273	11.1	-11.5	NO		NO	bb
3	3 180528M1_5	Standard	12.500	5.10	30271.289	28501.428	13.276	11.1	-11.5	NO		NO	bb
4	4 180528M1_6	Standard	12.500	5.10	26993.338	20308.857	16.614	13.8	10.8	NO		NO	bb
5	5 180528M1_7	Standard	12.500	5.10	27316.127	23133.701	14.760	12.3	-1.6	NO		NO	bb
6	6 180528M1_8	Standard	12.500	5.10	32708.721	26567.643	15.389	12.8	2.6	NO		NO	bb
7	7 180528M1_9	Standard	12.500	5.10	26910.971	23054.100	14.591	12.2	-2.7	NO		NO	bb
8	8 180528M1_10	Standard	12.500	5.10	24404.117	20441.521	14.923	12.4	-0.5	NO		NO	bb
9	9 180528M1_11	Standard	12.500	5.10	17989.051	13019.482	17.271	14.4	15.2	NO		NO	bb
10	10 180528M1_12	Standard	12.500	5.10	20950.475	17723.490	14.776	12.3	-1.5	NO		NO	bb

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Compound name: 13C2-8:2 FTS

Response Factor: 0.224027
 RRF SD: 0.0393, Relative SD: 17.5425
 Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	5.10	2262.102	15528.515	1.821	8.1	-35.0	NO		NO	bb
2	2 180528M1_4	Standard	12.500	5.07	4345.581	19021.994	2.856	12.7	2.0	NO		NO	bb
3	3 180528M1_5	Standard	12.500	5.07	4283.053	18384.977	2.912	13.0	4.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	5.07	3713.838	17538.754	2.647	11.8	-5.5	NO		NO	bb
5	5 180528M1_7	Standard	12.500	5.07	4271.146	16811.225	3.176	14.2	13.4	NO		NO	bb
6	6 180528M1_8	Standard	12.500	5.07	4288.147	18898.365	2.836	12.7	1.3	NO		NO	bb
7	7 180528M1_9	Standard	12.500	5.07	4643.620	17302.535	3.355	15.0	19.8	NO		NO	bb
8	8 180528M1_10	Standard	12.500	5.07	4486.250	14517.041	3.863	17.2	37.9	NO		NO	bbX
9	9 180528M1_11	Standard	12.500	5.07	5743.172	11613.475	6.182	27.6	120.7	NO		NO	bbX
10	10 180528M1_12	Standard	12.500	5.07	7921.143	12757.396	7.761	34.6	177.2	NO		NO	bbX

Compound name: d3-N-MeFOSAA

Response Factor: 0.231087
 RRF SD: 0.0197763, Relative SD: 8.55796
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	5.28	4860.704	19112.223	3.179	13.8	10.1	NO		NO	bb
2	2 180528M1_4	Standard	12.500	5.25	6745.700	32417.336	2.601	11.3	-10.0	NO		NO	bb
3	3 180528M1_5	Standard	12.500	5.25	7051.763	32347.191	2.725	11.8	-5.7	NO		NO	bb
4	4 180528M1_6	Standard	12.500	5.25	6661.248	30281.625	2.750	11.9	-4.8	NO		NO	bb
5	5 180528M1_7	Standard	12.500	5.25	6361.218	30022.416	2.649	11.5	-8.3	NO		NO	bb
6	6 180528M1_8	Standard	12.500	5.25	6937.605	28613.193	3.031	13.1	4.9	NO		NO	bb
7	7 180528M1_9	Standard	12.500	5.25	6439.288	28189.996	2.855	12.4	-1.2	NO		NO	bb
8	8 180528M1_10	Standard	12.500	5.25	5780.858	24988.213	2.892	12.5	0.1	NO		NO	bb
9	9 180528M1_11	Standard	12.500	5.25	4387.532	19492.361	2.814	12.2	-2.6	NO		NO	bb
10	10 180528M1_12	Standard	12.500	5.25	5438.114	20046.492	3.391	14.7	17.4	NO		NO	bb

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Compound name: d5-N-EtFOSAA

Response Factor: 0.258585
 RRF SD: 0.0299202, Relative SD: 11.5707
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	5.44	6420.321	19112.223	4.199	16.2	29.9	NO		NO	bb
2	2 180528M1_4	Standard	12.500	5.41	7781.737	32417.336	3.001	11.6	-7.2	NO		NO	bb
3	3 180528M1_5	Standard	12.500	5.41	7541.775	32347.191	2.914	11.3	-9.8	NO		NO	bb
4	4 180528M1_6	Standard	12.500	5.41	7467.479	30281.625	3.083	11.9	-4.6	NO		NO	bb
5	5 180528M1_7	Standard	12.500	5.41	7597.793	30022.416	3.163	12.2	-2.1	NO		NO	bb
6	6 180528M1_8	Standard	12.500	5.41	7809.424	28613.193	3.412	13.2	5.5	NO		NO	bb
7	7 180528M1_9	Standard	12.500	5.41	7150.913	28189.996	3.171	12.3	-1.9	NO		NO	bb
8	8 180528M1_10	Standard	12.500	5.41	6681.167	24988.213	3.342	12.9	3.4	NO		NO	bb
9	9 180528M1_11	Standard	12.500	5.41	4643.108	19492.361	2.978	11.5	-7.9	NO		NO	bb
10	10 180528M1_12	Standard	12.500	5.41	4908.928	20046.492	3.061	11.8	-5.3	NO		NO	bb

Compound name: 13C2-PFUDa

Response Factor: 0.996429
 RRF SD: 0.0918861, Relative SD: 9.22153
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	5.46	21087.146	19112.223	13.792	13.8	10.7	NO		NO	bb
2	2 180528M1_4	Standard	12.500	5.43	25667.547	32417.336	9.897	9.9	-20.5	NO		NO	bb
3	3 180528M1_5	Standard	12.500	5.42	30899.283	32347.191	11.940	12.0	-4.1	NO		NO	bb
4	4 180528M1_6	Standard	12.500	5.42	29419.783	30281.625	12.144	12.2	-2.5	NO		NO	bb
5	5 180528M1_7	Standard	12.500	5.42	29545.928	30022.416	12.302	12.3	-1.2	NO		NO	bb
6	6 180528M1_8	Standard	12.500	5.42	31422.605	28613.193	13.727	13.8	10.2	NO		NO	bb
7	7 180528M1_9	Standard	12.500	5.42	28951.254	28189.996	12.838	12.9	3.1	NO		NO	bb
8	8 180528M1_10	Standard	12.500	5.42	26252.074	24988.213	13.132	13.2	5.4	NO		NO	bb
9	9 180528M1_11	Standard	12.500	5.42	18259.791	19492.361	11.710	11.8	-6.0	NO		NO	bb
10	10 180528M1_12	Standard	12.500	5.43	20963.320	20046.492	13.072	13.1	4.9	NO		NO	bb

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Compound name: 13C2-PFDoA

Response Factor: 1.24706
 RRF SD: 0.145259, Relative SD: 11.6481
 Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	5.74	28007.158	14194.981	24.663	19.8	58.2	NO		NO	bbX
2	2 180528M1_4	Standard	12.500	5.71	28792.367	23369.088	15.401	12.3	-1.2	NO		NO	bb
3	3 180528M1_5	Standard	12.500	5.70	31496.070	28501.428	13.813	11.1	-11.4	NO		NO	bb
4	4 180528M1_6	Standard	12.500	5.70	26802.564	20308.857	16.497	13.2	5.8	NO		NO	bb
5	5 180528M1_7	Standard	12.500	5.70	30447.090	23133.701	16.452	13.2	5.5	NO		NO	bb
6	6 180528M1_8	Standard	12.500	5.70	29216.486	26567.643	13.746	11.0	-11.8	NO		NO	bb
7	7 180528M1_9	Standard	12.500	5.70	26338.875	23054.100	14.281	11.5	-8.4	NO		NO	bb
8	8 180528M1_10	Standard	12.500	5.70	24522.459	20441.521	14.995	12.0	-3.8	NO		NO	bb
9	9 180528M1_11	Standard	12.500	5.70	20422.854	13019.482	19.608	15.7	25.8	NO		NO	bb
10	10 180528M1_12	Standard	12.500	5.70	21978.135	17723.490	15.501	12.4	-0.6	NO		NO	bb

Compound name: d3-N-MeFOSA

Response Factor: 0.0528358
 RRF SD: 0.00430531, Relative SD: 8.14847
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	150.000	5.92	19434.664	19112.223	12.711	240.6	60.4	NO		NO	bbX
2	2 180528M1_4	Standard	150.000	5.90	19215.508	32417.336	7.409	140.2	-6.5	NO		NO	bb
3	3 180528M1_5	Standard	150.000	5.90	19058.412	32347.191	7.365	139.4	-7.1	NO		NO	bb
4	4 180528M1_6	Standard	150.000	5.90	18106.131	30281.625	7.474	141.5	-5.7	NO		NO	bb
5	5 180528M1_7	Standard	150.000	5.90	17974.621	30022.416	7.484	141.6	-5.6	NO		NO	bb
6	6 180528M1_8	Standard	150.000	5.90	18763.813	28613.193	8.197	155.1	3.4	NO		NO	bb
7	7 180528M1_9	Standard	150.000	5.90	18283.520	28189.996	8.107	153.4	2.3	NO		NO	bb
8	8 180528M1_10	Standard	150.000	5.90	15650.342	24988.213	7.829	148.2	-1.2	NO		NO	bb
9	9 180528M1_11	Standard	150.000	5.90	12545.747	19492.361	8.045	152.3	1.5	NO		NO	bb
10	10 180528M1_12	Standard	150.000	5.90	15103.140	20046.492	9.418	178.2	18.8	NO		NO	bb

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Compound name: 13C2-PFTeDA

Response Factor: 0.791686

RRF SD: 0.146097, Relative SD: 18.4539

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	6.20	22489.508	19112.223	14.709	18.6	48.6	NO		NO	bb
2	2 180528M1_4	Standard	12.500	6.17	22744.105	32417.336	8.770	11.1	-11.4	NO		NO	bb
3	3 180528M1_5	Standard	12.500	6.17	23561.797	32347.191	9.105	11.5	-8.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	6.17	21089.174	30281.625	8.705	11.0	-12.0	NO		NO	bb
5	5 180528M1_7	Standard	12.500	6.17	21192.252	30022.416	8.824	11.1	-10.8	NO		NO	bb
6	6 180528M1_8	Standard	12.500	6.17	22950.629	28613.193	10.026	12.7	1.3	NO		NO	bb
7	7 180528M1_9	Standard	12.500	6.17	21495.268	28189.996	9.531	12.0	-3.7	NO		NO	bb
8	8 180528M1_10	Standard	12.500	6.17	17428.342	24988.213	8.718	11.0	-11.9	NO		NO	bb
9	9 180528M1_11	Standard	12.500	6.17	15222.244	19492.361	9.762	12.3	-1.4	NO		NO	bb
10	10 180528M1_12	Standard	12.500	6.17	17336.592	20046.492	10.810	13.7	9.2	NO		NO	bb

Compound name: d5-N-ETFOSA

Response Factor: 0.0761061

RRF SD: 0.00987417, Relative SD: 12.9742

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	150.000	6.31	23514.635	19112.223	15.379	202.1	34.7	NO		NO	bb
2	2 180528M1_4	Standard	150.000	6.29	27068.318	32417.336	10.437	137.1	-8.6	NO		NO	bb
3	3 180528M1_5	Standard	150.000	6.29	27736.357	32347.191	10.718	140.8	-6.1	NO		NO	bb
4	4 180528M1_6	Standard	150.000	6.29	26137.260	30281.625	10.789	141.8	-5.5	NO		NO	bb
5	5 180528M1_7	Standard	150.000	6.29	25577.820	30022.416	10.649	139.9	-6.7	NO		NO	bb
6	6 180528M1_8	Standard	150.000	6.29	27513.836	28613.193	12.020	157.9	5.3	NO		NO	bb
7	7 180528M1_9	Standard	150.000	6.29	25053.365	28189.996	11.109	146.0	-2.7	NO		NO	bb
8	8 180528M1_10	Standard	150.000	6.29	21913.631	24988.213	10.962	144.0	-4.0	NO		NO	bb
9	9 180528M1_11	Standard	150.000	6.29	16321.651	19492.361	10.467	137.5	-8.3	NO		NO	bb
10	10 180528M1_12	Standard	150.000	6.29	18647.818	20046.492	11.628	152.8	1.9	NO		NO	bb

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Compound name: 13C2-PFHxDA

Response Factor: 1.2107

RRF SD: 0.220682, Relative SD: 18.2277

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	5.000	6.52	13136.391	19112.223	8.592	7.1	41.9	NO		NO	bb
2	2 180528M1_4	Standard	5.000	6.50	12566.161	32417.336	4.845	4.0	-20.0	NO		NO	bb
3	3 180528M1_5	Standard	5.000	6.50	14667.154	32347.191	5.668	4.7	-6.4	NO		NO	bb
4	4 180528M1_6	Standard	5.000	6.50	13201.311	30281.625	5.449	4.5	-10.0	NO		NO	bb
5	5 180528M1_7	Standard	5.000	6.50	13168.606	30022.416	5.483	4.5	-9.4	NO		NO	bb
6	6 180528M1_8	Standard	5.000	6.50	12796.357	28613.193	5.590	4.6	-7.7	NO		NO	bb
7	7 180528M1_9	Standard	5.000	6.50	12624.852	28189.996	5.598	4.6	-7.5	NO		NO	bb
8	8 180528M1_10	Standard	5.000	6.50	11181.12E	24988.213	5.593	4.6	-7.6	NO		NO	bb
9	9 180528M1_11	Standard	5.000	6.50	10102.174	19492.361	6.478	5.4	7.0	NO		NO	bb
10	10 180528M1_12	Standard	5.000	6.50	11607.380	20046.492	7.238	6.0	19.6	NO		NO	bb

Compound name: d7-N-MeFOSE

Response Factor: 0.0403469

RRF SD: 0.00360216, Relative SD: 8.92797

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	150.000	6.44	15001.178	19112.223	9.811	243.2	62.1	NO		NO	bbX
2	2 180528M1_4	Standard	150.000	6.42	13950.684	32417.336	5.379	133.3	-11.1	NO		NO	MM
3	3 180528M1_5	Standard	150.000	6.42	14308.338	32347.191	5.529	137.0	-8.6	NO		NO	MM
4	4 180528M1_6	Standard	150.000	6.42	13784.417	30281.625	5.690	141.0	-6.0	NO		NO	MM
5	5 180528M1_7	Standard	150.000	6.42	14599.338	30022.416	6.079	150.7	0.4	NO		NO	MM
6	6 180528M1_8	Standard	150.000	6.42	14144.680	28613.193	6.179	153.2	2.1	NO		NO	MM
7	7 180528M1_9	Standard	150.000	6.42	14305.417	28189.996	6.343	157.2	4.8	NO		NO	MM
8	8 180528M1_10	Standard	150.000	6.42	11588.251	24988.213	5.797	143.7	-4.2	NO		NO	MM
9	9 180528M1_11	Standard	150.000	6.42	9827.300	19492.361	6.302	156.2	4.1	NO		NO	MM
10	10 180528M1_12	Standard	150.000	6.42	11498.335	20046.492	7.170	177.7	18.5	NO		NO	bd

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Compound name: d9-N-EtFOSE

Response Factor: 0.0408318

RRF SD: 0.00676189, Relative SD: 16.5604

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	150.000	6.58	13057.608	19112.223	8.540	209.2	39.4	NO		NO	bb
2	2 180528M1_4	Standard	150.000	6.57	13643.704	32417.336	5.261	128.8	-14.1	NO		NO	bb
3	3 180528M1_5	Standard	150.000	6.56	14185.477	32347.191	5.482	134.3	-10.5	NO		NO	bb
4	4 180528M1_6	Standard	150.000	6.56	12961.519	30281.625	5.350	131.0	-12.6	NO		NO	bb
5	5 180528M1_7	Standard	150.000	6.56	13361.119	30022.416	5.563	136.2	-9.2	NO		NO	bd
6	6 180528M1_8	Standard	150.000	6.56	14412.789	28613.193	6.296	154.2	2.8	NO		NO	bb
7	7 180528M1_9	Standard	150.000	6.56	12716.658	28189.996	5.639	138.1	-7.9	NO		NO	bb
8	8 180528M1_10	Standard	150.000	6.56	12111.740	24988.213	6.059	148.4	-1.1	NO		NO	bb
9	9 180528M1_11	Standard	150.000	6.56	9223.619	19492.361	5.915	144.9	-3.4	NO		NO	bb
10	10 180528M1_12	Standard	150.000	6.56	11454.935	20046.492	7.143	174.9	16.6	NO		NO	bb

Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	1.49	11862.641	11862.641	12.500	12.5	0.0	NO		NO	bb
2	2 180528M1_4	Standard	12.500	1.40	12078.119	12078.119	12.500	12.5	0.0	NO		NO	bb
3	3 180528M1_5	Standard	12.500	1.38	12312.682	12312.682	12.500	12.5	0.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	1.39	11243.421	11243.421	12.500	12.5	0.0	NO		NO	bb
5	5 180528M1_7	Standard	12.500	1.39	11473.344	11473.344	12.500	12.5	0.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	1.39	12305.400	12305.400	12.500	12.5	0.0	NO		NO	bb
7	7 180528M1_9	Standard	12.500	1.39	11338.341	11338.341	12.500	12.5	0.0	NO		NO	bb
8	8 180528M1_10	Standard	12.500	1.39	10104.483	10104.483	12.500	12.5	0.0	NO		NO	bb
9	9 180528M1_11	Standard	12.500	1.39	8064.315	8064.315	12.500	12.5	0.0	NO		NO	bb
10	10 180528M1_12	Standard	12.500	1.39	9729.469	9729.469	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C5-PFHxA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	3.18	15528.515	15528.515	12.500	12.5	0.0	NO		NO	bb
2	2 180528M1_4	Standard	12.500	3.15	19021.994	19021.994	12.500	12.5	0.0	NO		NO	bb
3	3 180528M1_5	Standard	12.500	3.14	18384.977	18384.977	12.500	12.5	0.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	3.14	17538.754	17538.754	12.500	12.5	0.0	NO		NO	bb
5	5 180528M1_7	Standard	12.500	3.14	16811.225	16811.225	12.500	12.5	0.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	3.14	18898.365	18898.365	12.500	12.5	0.0	NO		NO	bb
7	7 180528M1_9	Standard	12.500	3.14	17302.535	17302.535	12.500	12.5	0.0	NO		NO	bb
8	8 180528M1_10	Standard	12.500	3.14	14517.041	14517.041	12.500	12.5	0.0	NO		NO	bb
9	9 180528M1_11	Standard	12.500	3.15	11613.475	11613.475	12.500	12.5	0.0	NO		NO	bb
10	10 180528M1_12	Standard	12.500	3.14	12757.396	12757.396	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 7.40149e-017, Relative SD: 7.40149e-015

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	3.94	2119.922	2119.922	12.500	12.5	0.0	NO		NO	bb
2	2 180528M1_4	Standard	12.500	3.92	3635.824	3635.824	12.500	12.5	0.0	NO		NO	bb
3	3 180528M1_5	Standard	12.500	3.91	3823.252	3823.252	12.500	12.5	0.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	3.92	3594.333	3594.333	12.500	12.5	0.0	NO		NO	bb
5	5 180528M1_7	Standard	12.500	3.92	3639.112	3639.112	12.500	12.5	0.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	3.92	3907.323	3907.323	12.500	12.5	0.0	NO		NO	bb
7	7 180528M1_9	Standard	12.500	3.91	3561.132	3561.132	12.500	12.5	0.0	NO		NO	bb
8	8 180528M1_10	Standard	12.500	3.92	3199.983	3199.983	12.500	12.5	0.0	NO		NO	bb
9	9 180528M1_11	Standard	12.500	3.92	2348.234	2348.234	12.500	12.5	0.0	NO		NO	bb
10	10 180528M1_12	Standard	12.500	3.92	2767.457	2767.457	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	4.31	11590.746	11590.746	12.500	12.5	0.0	NO		NO	bb
2	2 180528M1_4	Standard	12.500	4.29	16097.383	16097.383	12.500	12.5	0.0	NO		NO	bb
3	3 180528M1_5	Standard	12.500	4.29	18753.994	18753.994	12.500	12.5	0.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	4.29	17561.848	17561.848	12.500	12.5	0.0	NO		NO	bb
5	5 180528M1_7	Standard	12.500	4.29	14194.423	14194.423	12.500	12.5	0.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	4.29	17197.486	17197.486	12.500	12.5	0.0	NO		NO	bb
7	7 180528M1_9	Standard	12.500	4.29	16452.072	16452.072	12.500	12.5	0.0	NO		NO	bb
8	8 180528M1_10	Standard	12.500	4.29	13941.742	13941.742	12.500	12.5	0.0	NO		NO	bb
9	9 180528M1_11	Standard	12.500	4.29	10743.604	10743.604	12.500	12.5	0.0	NO		NO	bb
10	10 180528M1_12	Standard	12.500	4.29	11989.136	11989.136	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	4.75	11874.687	11874.687	12.500	12.5	0.0	NO		NO	bb
2	2 180528M1_4	Standard	12.500	4.73	23478.742	23478.742	12.500	12.5	0.0	NO		NO	bb
3	3 180528M1_5	Standard	12.500	4.72	21551.324	21551.324	12.500	12.5	0.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	4.72	19603.385	19603.385	12.500	12.5	0.0	NO		NO	bb
5	5 180528M1_7	Standard	12.500	4.72	22731.789	22731.789	12.500	12.5	0.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	4.72	23668.350	23668.350	12.500	12.5	0.0	NO		NO	bb
7	7 180528M1_9	Standard	12.500	4.72	22184.375	22184.375	12.500	12.5	0.0	NO		NO	bb
8	8 180528M1_10	Standard	12.500	4.73	18977.098	18977.098	12.500	12.5	0.0	NO		NO	bb
9	9 180528M1_11	Standard	12.500	4.73	14352.774	14352.774	12.500	12.5	0.0	NO		NO	bb
10	10 180528M1_12	Standard	12.500	4.72	15818.894	15818.894	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C4-PFOS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	4.84	1337.661	1337.661	12.500	12.5	0.0	NO		NO	bb
2	2 180528M1_4	Standard	12.500	4.81	3970.213	3970.213	12.500	12.5	0.0	NO		NO	bb
3	3 180528M1_5	Standard	12.500	4.81	4119.314	4119.314	12.500	12.5	0.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	4.81	3876.027	3876.027	12.500	12.5	0.0	NO		NO	bb
5	5 180528M1_7	Standard	12.500	4.81	3974.594	3974.594	12.500	12.5	0.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	4.81	3988.105	3988.105	12.500	12.5	0.0	NO		NO	bb
7	7 180528M1_9	Standard	12.500	4.81	3779.478	3779.478	12.500	12.5	0.0	NO		NO	bb
8	8 180528M1_10	Standard	12.500	4.81	3289.608	3289.608	12.500	12.5	0.0	NO		NO	bb
9	9 180528M1_11	Standard	12.500	4.81	2482.045	2482.045	12.500	12.5	0.0	NO		NO	bb
10	10 180528M1_12	Standard	12.500	4.81	2788.568	2788.568	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	5.13	14194.981	14194.981	12.500	12.5	0.0	NO		NO	bb
2	2 180528M1_4	Standard	12.500	5.10	23369.088	23369.088	12.500	12.5	0.0	NO		NO	bb
3	3 180528M1_5	Standard	12.500	5.10	28501.428	28501.428	12.500	12.5	0.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	5.10	20308.857	20308.857	12.500	12.5	0.0	NO		NO	bb
5	5 180528M1_7	Standard	12.500	5.10	23133.701	23133.701	12.500	12.5	0.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	5.10	26567.643	26567.643	12.500	12.5	0.0	NO		NO	bb
7	7 180528M1_9	Standard	12.500	5.10	23054.100	23054.100	12.500	12.5	0.0	NO		NO	bb
8	8 180528M1_10	Standard	12.500	5.10	20441.521	20441.521	12.500	12.5	0.0	NO		NO	bb
9	9 180528M1_11	Standard	12.500	5.10	13019.482	13019.482	12.500	12.5	0.0	NO		NO	bb
10	10 180528M1_12	Standard	12.500	5.10	17723.490	17723.490	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:53:14 Pacific Daylight Time

Compound name: 13C7-PFUdA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180528M1_3	Standard	12.500	5.46	19112.223	19112.223	12.500	12.5	0.0	NO		NO	bb
2	2 180528M1_4	Standard	12.500	5.43	32417.336	32417.336	12.500	12.5	0.0	NO		NO	bb
3	3 180528M1_5	Standard	12.500	5.42	32347.191	32347.191	12.500	12.5	0.0	NO		NO	bb
4	4 180528M1_6	Standard	12.500	5.42	30281.625	30281.625	12.500	12.5	0.0	NO		NO	bb
5	5 180528M1_7	Standard	12.500	5.42	30022.416	30022.416	12.500	12.5	0.0	NO		NO	bb
6	6 180528M1_8	Standard	12.500	5.42	28613.193	28613.193	12.500	12.5	0.0	NO		NO	bb
7	7 180528M1_9	Standard	12.500	5.42	28189.996	28189.996	12.500	12.5	0.0	NO		NO	bb
8	8 180528M1_10	Standard	12.500	5.43	24988.213	24988.213	12.500	12.5	0.0	NO		NO	bb
9	9 180528M1_11	Standard	12.500	5.42	19492.361	19492.361	12.500	12.5	0.0	NO		NO	bb
10	10 180528M1_12	Standard	12.500	5.42	20046.492	20046.492	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:56:47 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 12:44:23

Name: 180528M1_8, Date: 28-May-2018, Time: 17:06:33, ID: ST180528M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.698	NO
4	4:2 FTS	1.794	NO
5	PFHxA	221.648	NO
6	PFPeS	1.777	NO
7	PFHpA	22.363	NO
8	L-PFHxS	1.672	NO
9	6:2 FTS	3.015	NO
10	L-PFOA	4.844	NO
11	PFHpS	2.150	NO
12	PFNA	5.009	NO
13	PFOSA	27.129	NO
14	L-PFOS	1.960	NO
15	PFDA	6.308	NO
16	8:2 FTS	2.850	NO
17	PFNS	1.667	NO
18	L-MeFOSAA	12.665	NO
19	L-EtFOSAA	12.034	NO

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:56:59 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 12:44:23

Name: 180528M1_8, Date: 28-May-2018, Time: 17:06:33, ID: ST180528M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

	Name	Ion Ratio	Ratio out?
1	PFUdA	15.599	NO
2	PFDS	1.812	NO
3	PFDoA	9.731	NO
4	N-MeFOSA	1.311	NO
5	PFTrDA	31.324	NO
6	PFTeDA	14.383	NO
7	N-EtFOSA	1.459	NO
8	PFHxDA	43.426	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 14:48:48 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 14:50:48 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_3, Date: 28-May-2018, Time: 16:14:14, ID: ST180528M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

#	Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	36	0.9998	NO	
2	2 PFPeA	37	0.9933	NO	
3	3 PFBS	38	0.9992	NO	
4	4 4:2 FTS	39	0.9993	NO	
5	5 PFHxA	40	0.9994	NO	
6	6 PFPeS	38	0.9995	NO	
7	7 PFHpA	41	0.9980	NO	
8	8 L-PFHxS	42	0.9993	NO	
9	10 6:2 FTS	43	0.9959	NO	
10	11 L-PFOA	44	0.9989	NO	
11	13 PFHpS	44	0.9996	NO	
12	14 PFNA	45	0.9997	NO	
13	15 PFOSA	46	0.9904	NO	
14	16 L-PFOS	47	0.9995	NO	
15	18 PFDA	48	0.9986	NO	
16	19 8:2 FTS	49	0.9997	NO	
17	20 PFNS	47	0.9993	NO	
18	21 L-MeFOSAA	50	0.9987	NO	
19	23 L-EtFOSAA	51	0.9995	NO	

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 14:48:48 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 14:51:00 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_3, Date: 28-May-2018, Time: 16:14:14, ID: ST180528M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

#	Name	IS#	CoD	CoD Flag	%RSD
1	25 PFUdA	52	0.9993	NO	
2	26 PFDS	52	0.9981	NO	
3	27 PFDoA	53	0.9955	NO	
4	28 N-MeFOSA	54	0.9919	NO	
5	29 PFTrDA	53	0.9965	NO	
6	30 PFTeDA	55	0.9990	NO	
7	31 N-EtFOSA	56	0.9990	NO	
8	32 PFHxDA	57	0.9966	NO	
9	33 PFODA	57	0.9983	NO	
10	34 N-MeFOSE	58	0.9990	NO	
11	35 N-EtFOSE	59	0.9995	NO	
12	36 13C3-PFBA	60		NO	0.952
13	37 13C3-PFPeA	61		NO	4.289
14	38 13C3-PFBS	61		NO	3.734
15	39 13C2-4:2 FTS	61		NO	12.724
16	40 13C2-PFHxA	61		NO	5.865
17	41 13C4-PFHpA	61		NO	6.875
18	42 18O2-PFHxS	62		NO	2.734
19	43 13C2-6:2 FTS	63		NO	14.104
20	44 13C2-PFOA	63		NO	6.785
21	45 13C5-PFNA	64		NO	4.194
22	46 13C8-PFOA	67		NO	7.030
23	47 13C8-PFOS	65		NO	3.658
24	48 13C2-PFDA	66		NO	8.364
25	49 13C2-8:2 FTS	61		NO	17.543
26	50 d3-N-MeFOSAA	67		NO	8.558
27	51 d5-N-EtFOSAA	67		NO	11.571
28	52 13C2-PFUdA	67		NO	9.222
29	53 13C2-PFDoA	66		NO	11.648
30	54 d3-N-MeFOSA	67		NO	8.148
31	55 13C2-PFTeDA	67		NO	18.454
32	56 d5-N-ETFOSA	67		NO	12.974

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 14:48:48 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 14:51:00 Pacific Daylight Time

Name: 180528M1_3, Date: 28-May-2018, Time: 16:14:14, ID: ST180528M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

	# Name	IS#	CoD	CoD Flag	%RSD
33	57 13C2-PFHxDA	67		NO	18.228
34	58 d7-N-MeFOSE	67		NO	8.928
35	59 d9-N-EtFOSE	67		NO	16.560
36	60 13C4-PFBA	60		NO	0.000
37	61 13C5-PFHxA	61		NO	0.000
38	62 13C3-PFHxS	62		NO	0.000
39	63 13C8-PFOA	63		NO	0.000
40	64 13C9-PFNA	64		NO	0.000
41	65 13C4-PFOS	65		NO	0.000
42	66 13C6-PFDA	66		NO	0.000
43	67 13C7-PFUdA	67		NO	0.000

Dataset: Untitled

Last Altered: Tuesday, May 29, 2018 12:57:41 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:58:04 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 12:44:23

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180528M1_2	IPA	28-May-18	15:03:00
2	2 180528M1_3	ST180528M1-1 PFC CS-2 18E2202	28-May-18	16:14:14
3	3 180528M1_4	ST180528M1-2 PFC CS-1 18E2203	28-May-18	16:24:43
4	4 180528M1_5	ST180528M1-3 PFC CS0 18E2204	28-May-18	16:35:07
5	5 180528M1_6	ST180528M1-4 PFC CS1 18E2205	28-May-18	16:45:38
6	6 180528M1_7	ST180528M1-5 PFC CS2 18E2206	28-May-18	16:56:03
7	7 180528M1_8	ST180528M1-6 PFC CS3 18E2207	28-May-18	17:06:33
8	8 180528M1_9	ST180528M1-7 PFC CS4 18E2208	28-May-18	17:16:59
9	9 180528M1_10	ST180528M1-8 PFC CS5 18E2209	28-May-18	17:27:29
10	10 180528M1_11	ST180528M1-9 PFC CS6 18E2210	28-May-18	17:37:54
11	11 180528M1_12	ST180528M1-10 PFC CS7 18E2211	28-May-18	17:48:24
12	12 180528M1_13	IPA	28-May-18	17:58:48
13	13 180528M1_14	ICV180528M1-1 PFC 537 ICV 18E1401	28-May-18	18:09:21

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 14:48:48 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 15:25:33 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

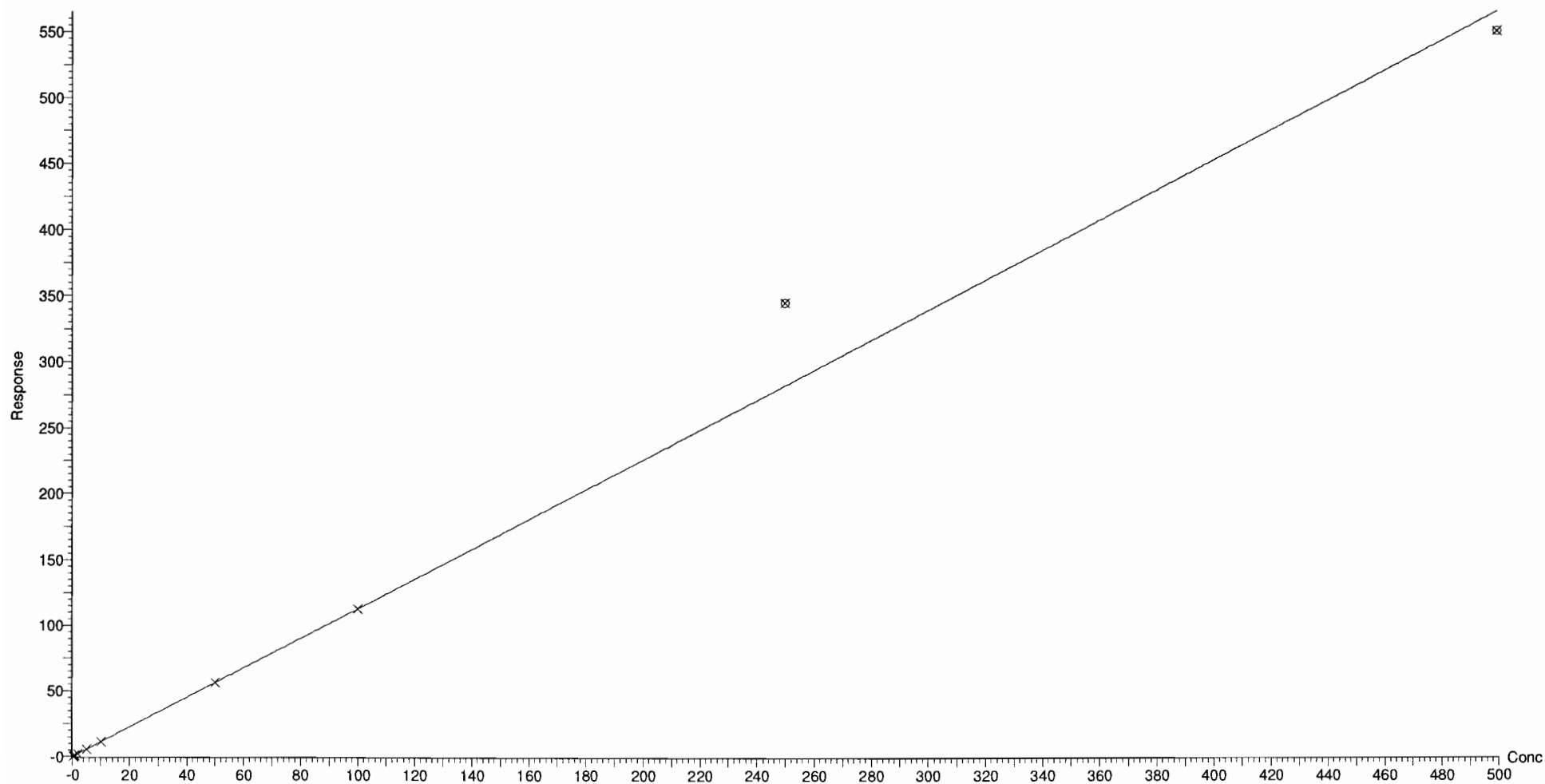
Compound name: PFBA

Correlation coefficient: $r = 0.999917$, $r^2 = 0.999835$

Calibration curve: $1.12941 * x + 0.0231243$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

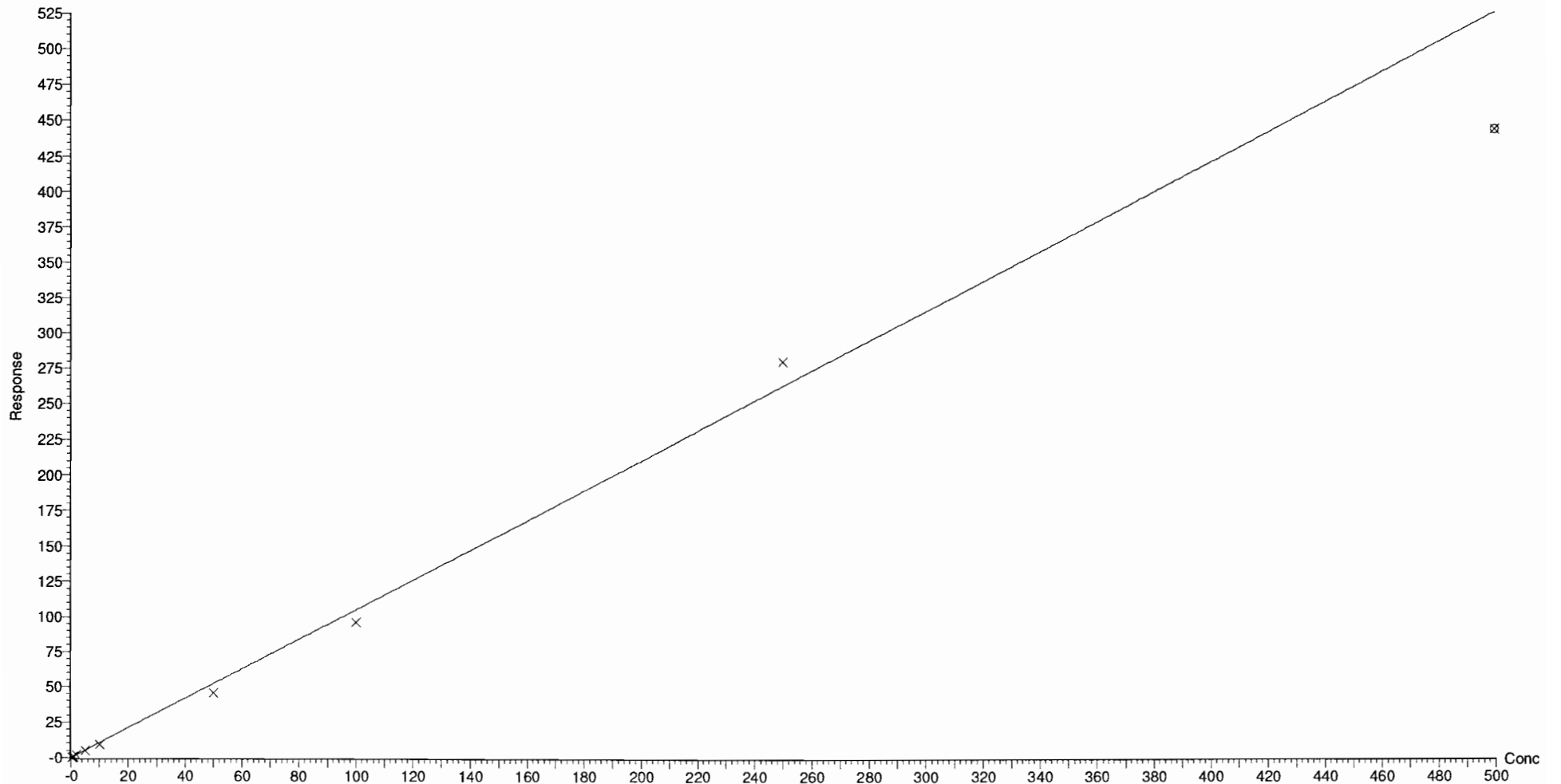
Compound name: PFPeA

Correlation coefficient: $r = 0.996637$, $r^2 = 0.993284$

Calibration curve: $1.05074 * x + -0.0890572$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

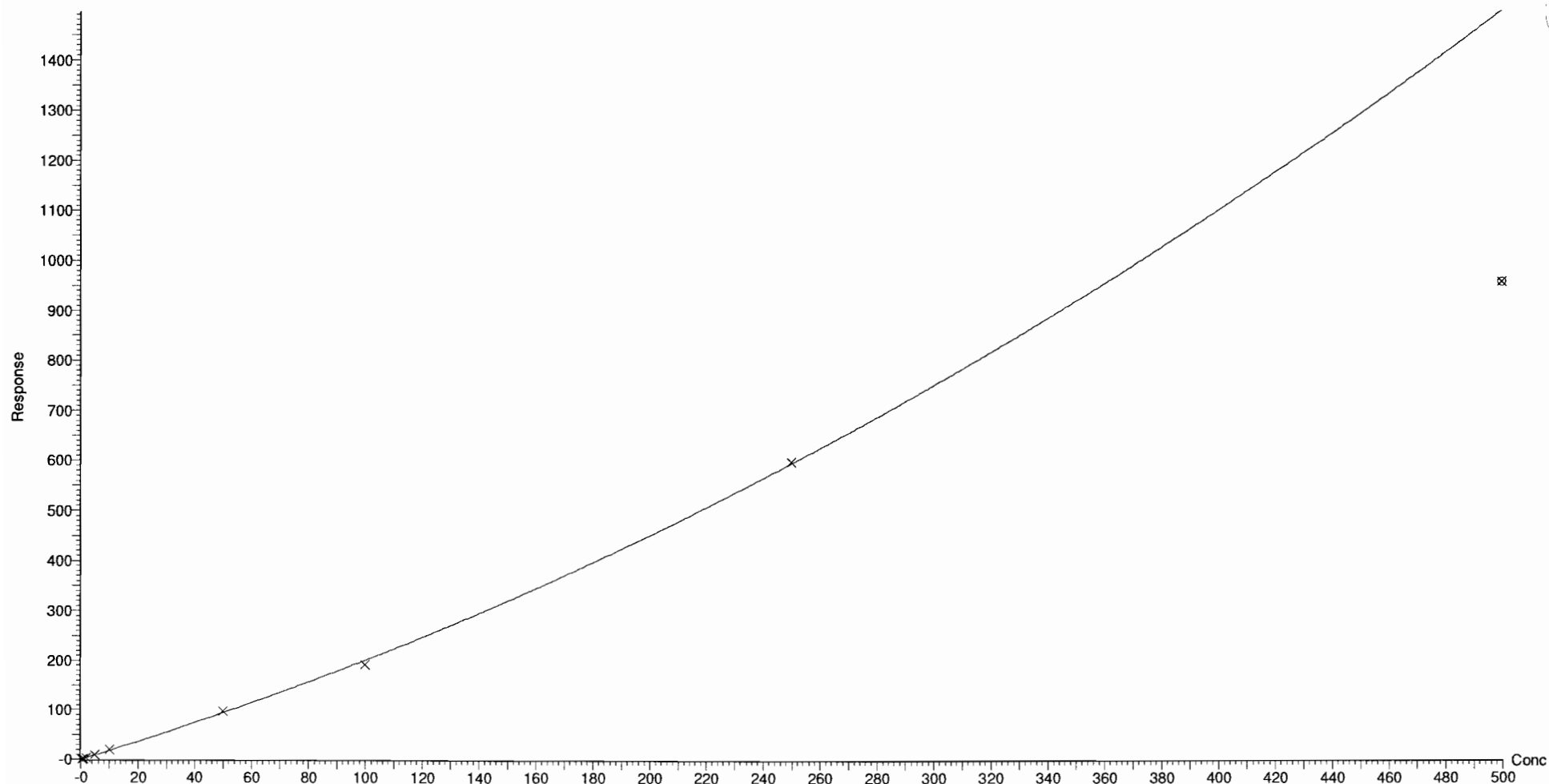
Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999192$

Calibration curve: $0.00246204 * x^2 + 1.76088 * x + 0.204958$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

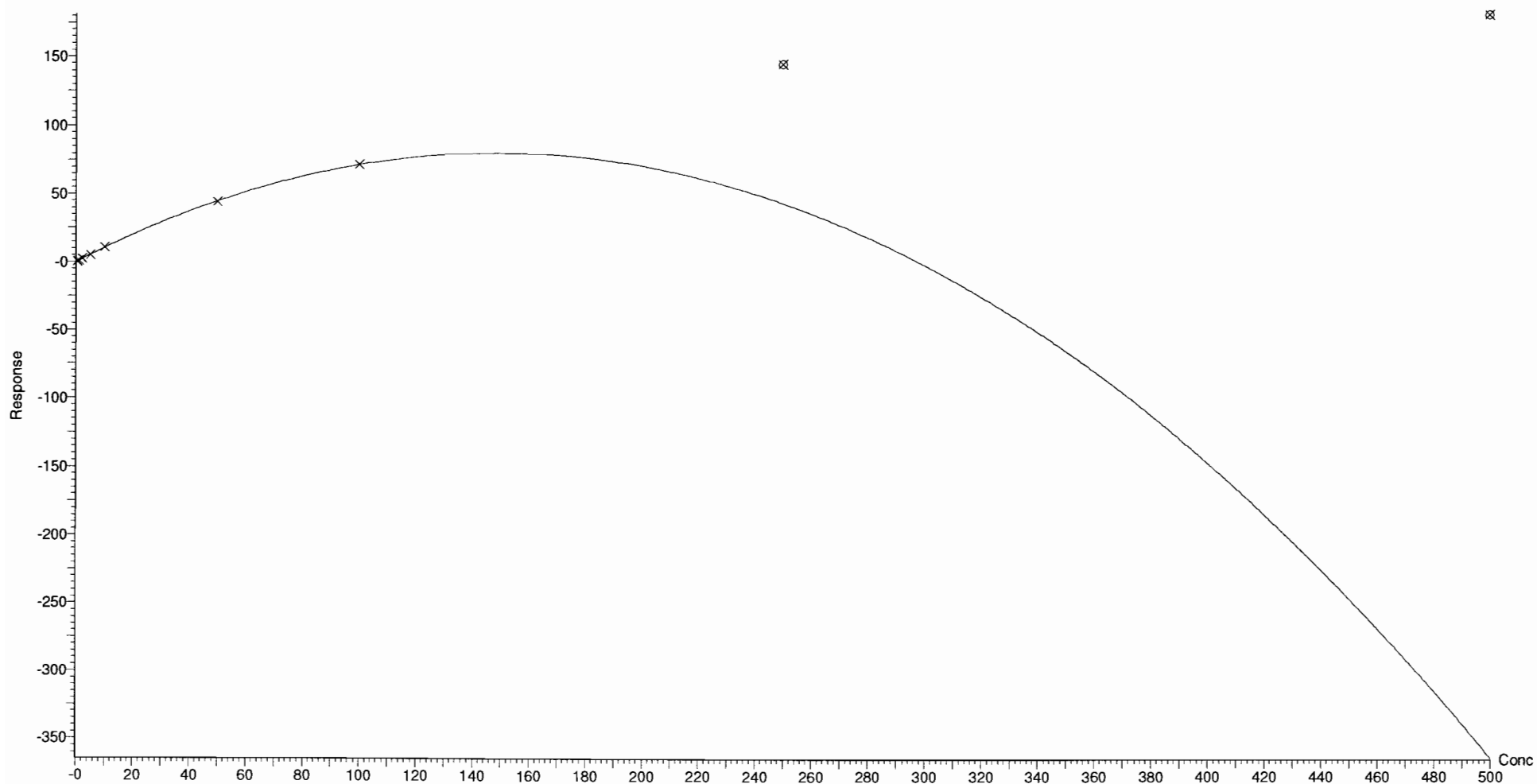
Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.999289$

Calibration curve: $-0.0036114 * x^2 + 1.07823 * x + 0.0110673$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

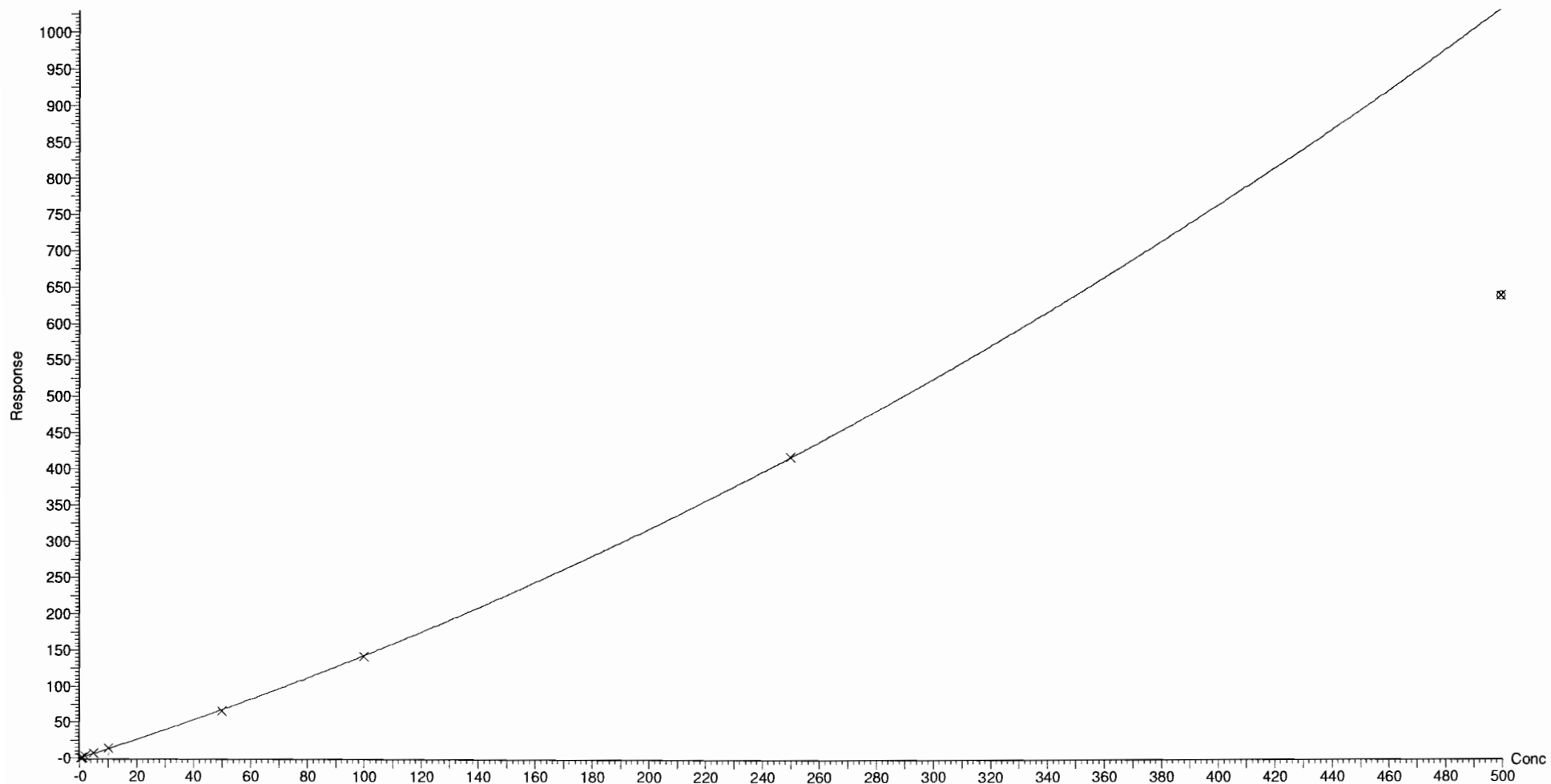
Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999441$

Calibration curve: $0.00157413 * x^2 + 1.27255 * x + 0.114996$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

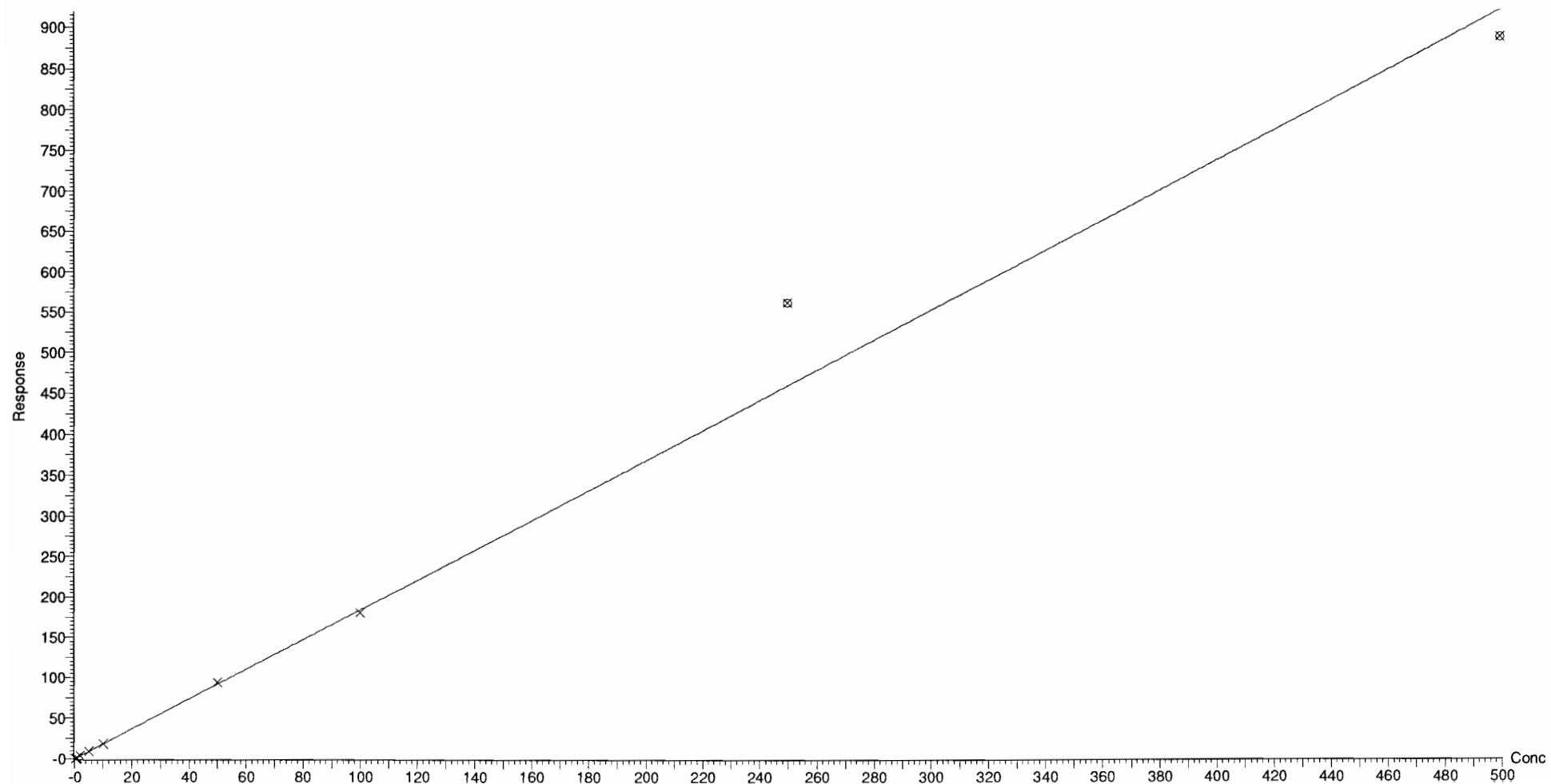
Compound name: PFPeS

Correlation coefficient: $r = 0.999729$, $r^2 = 0.999458$

Calibration curve: $1.83823 * x + -0.089437$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

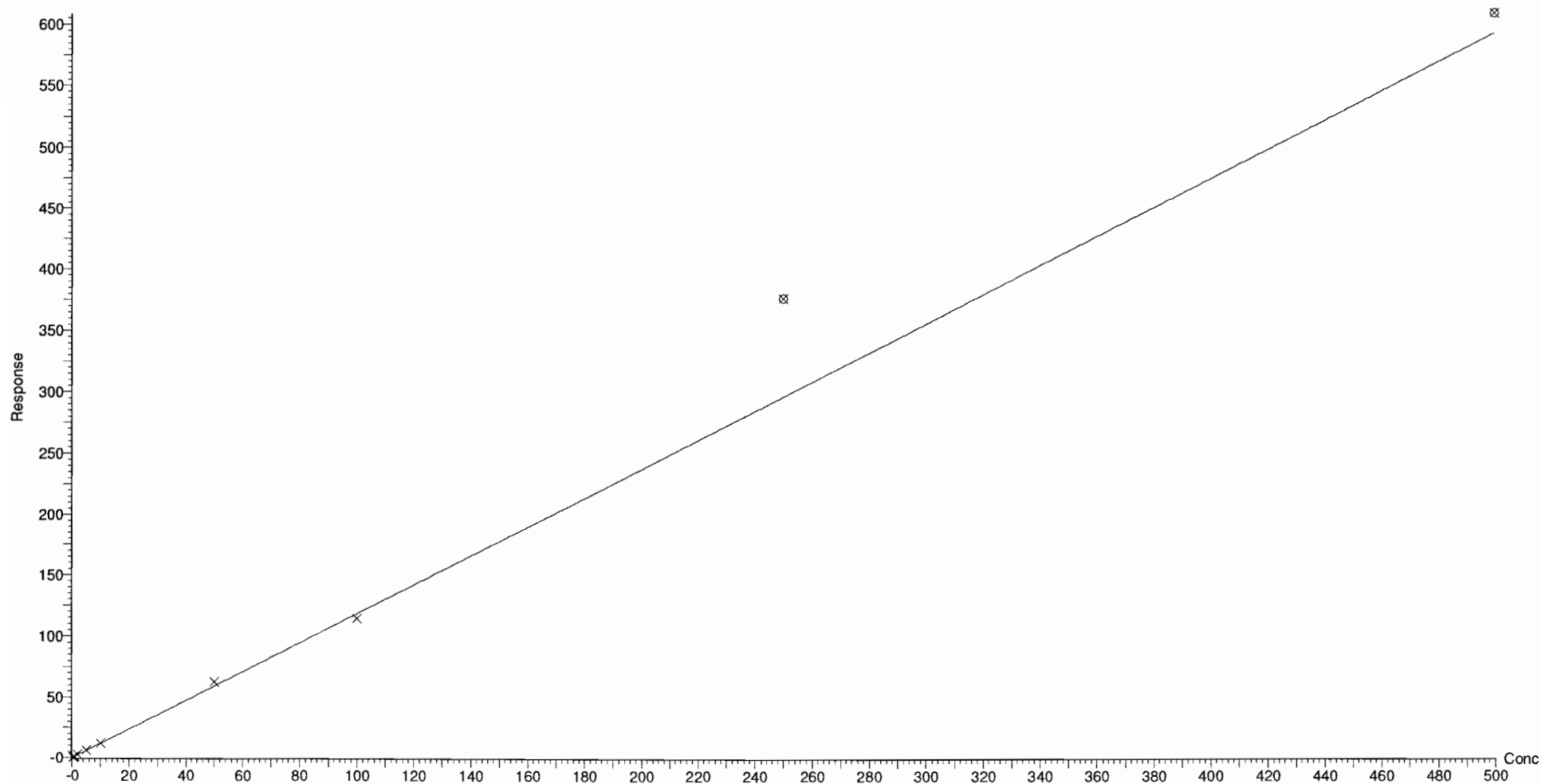
Compound name: PFHpA

Correlation coefficient: $r = 0.999016$, $r^2 = 0.998033$

Calibration curve: $1.18502 * x + 0.0343343$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

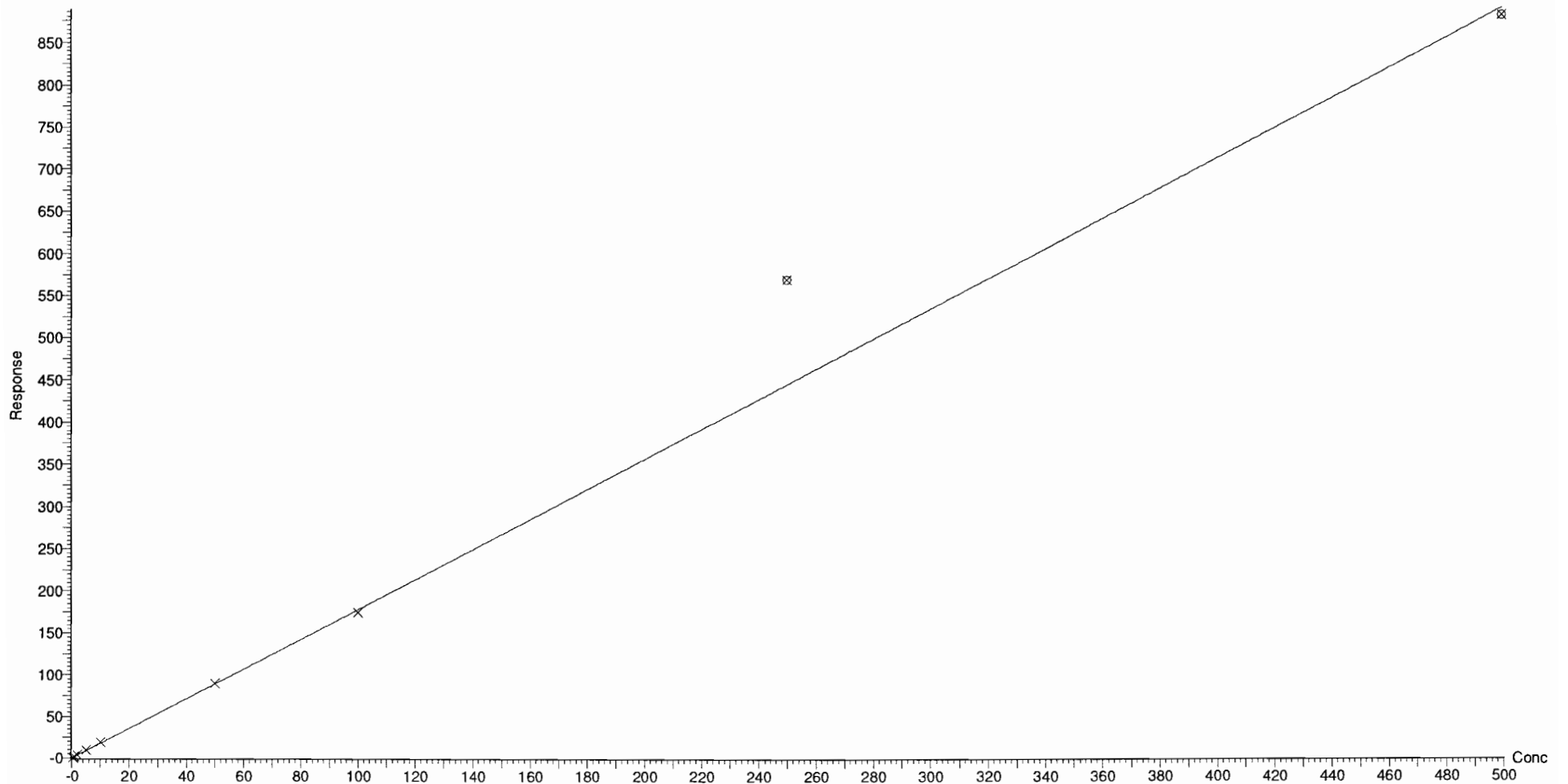
Compound name: L-PFHxS

Correlation coefficient: $r = 0.999660$, $r^2 = 0.999319$

Calibration curve: $1.77714 * x + 0.0746137$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

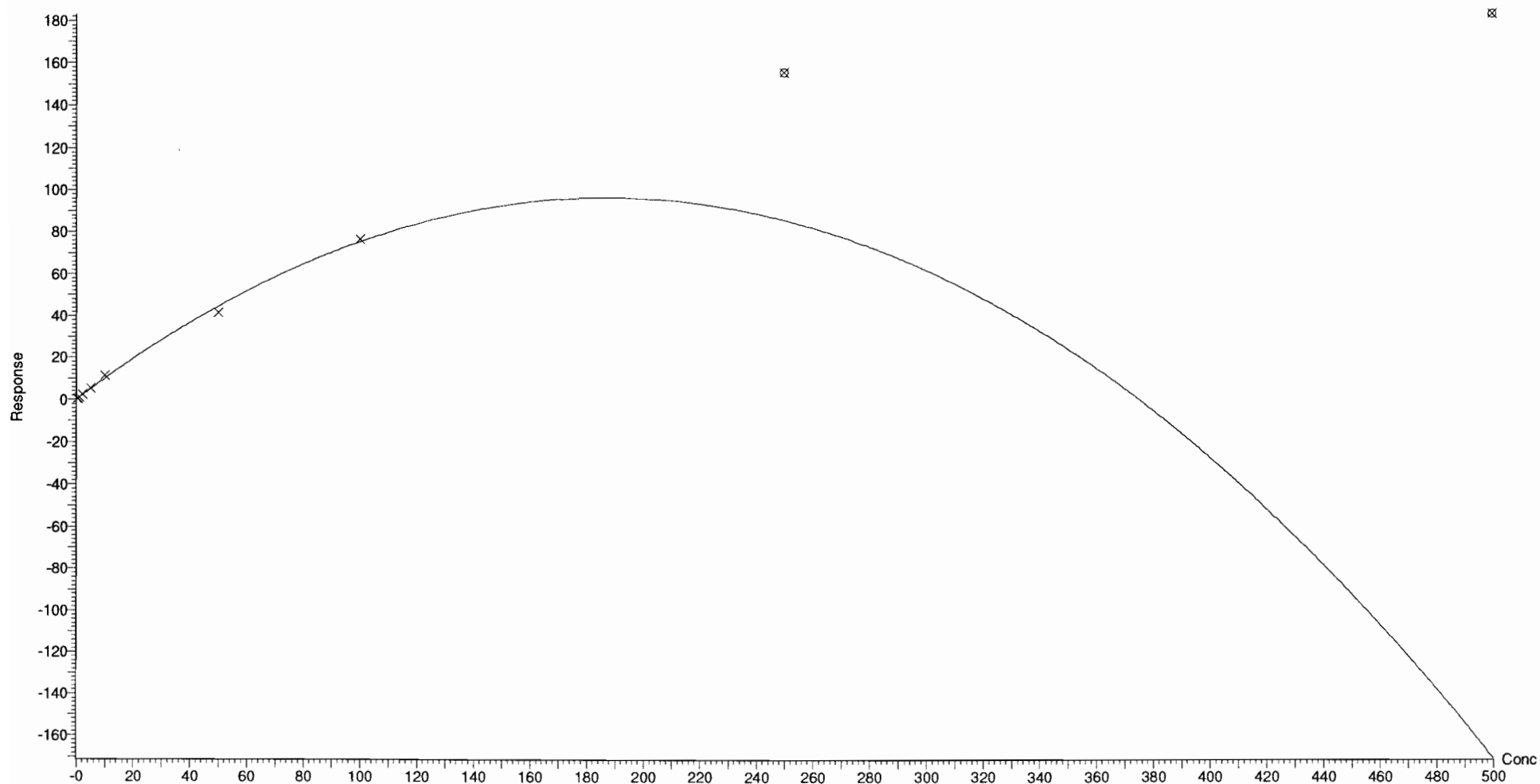
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.995922$

Calibration curve: $-0.00273617 * x^2 + 1.02645 * x + 0.0987689$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

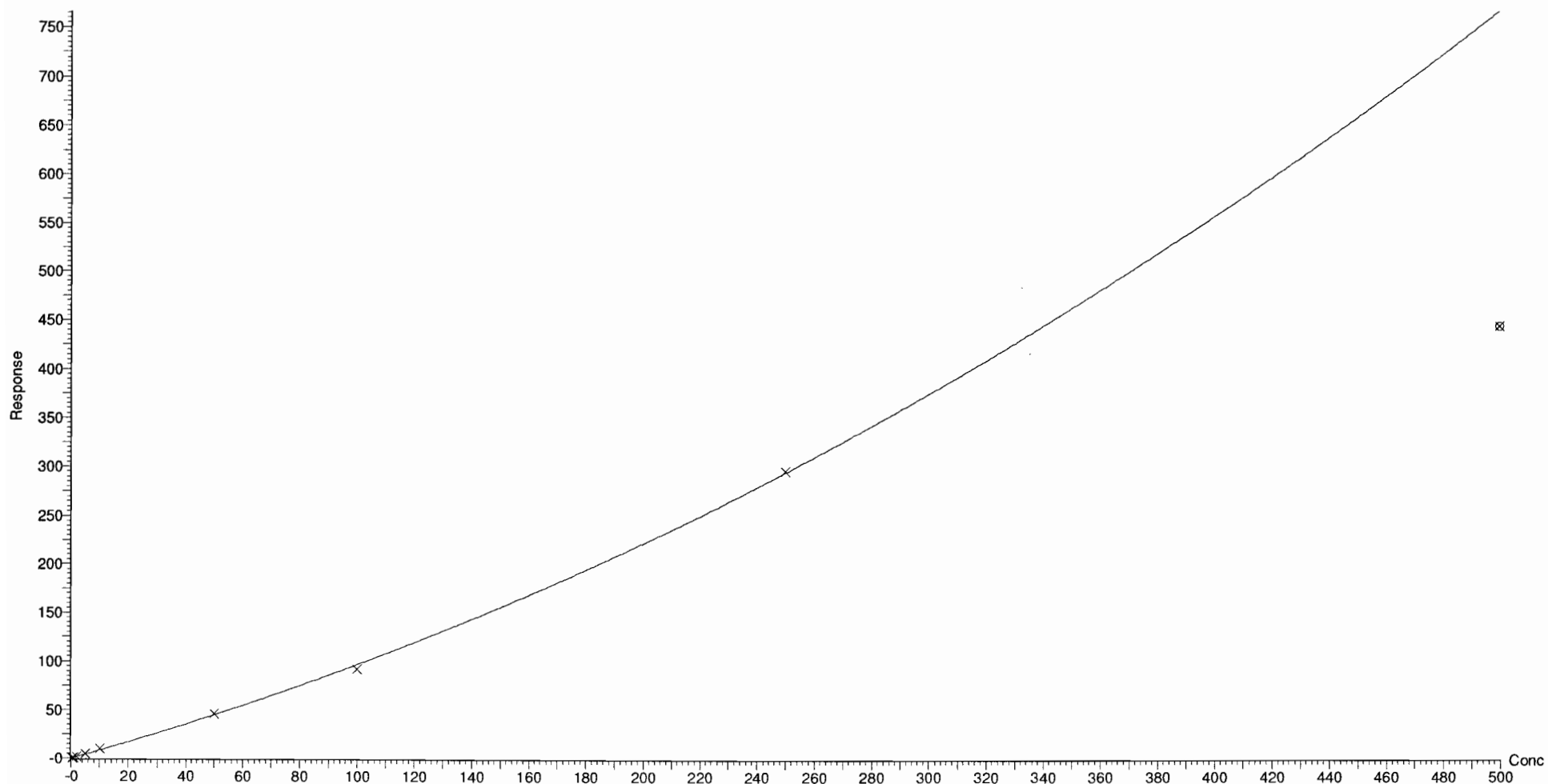
Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.998928$

Calibration curve: $0.00141193 * x^2 + 0.825402 * x + 0.13303$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

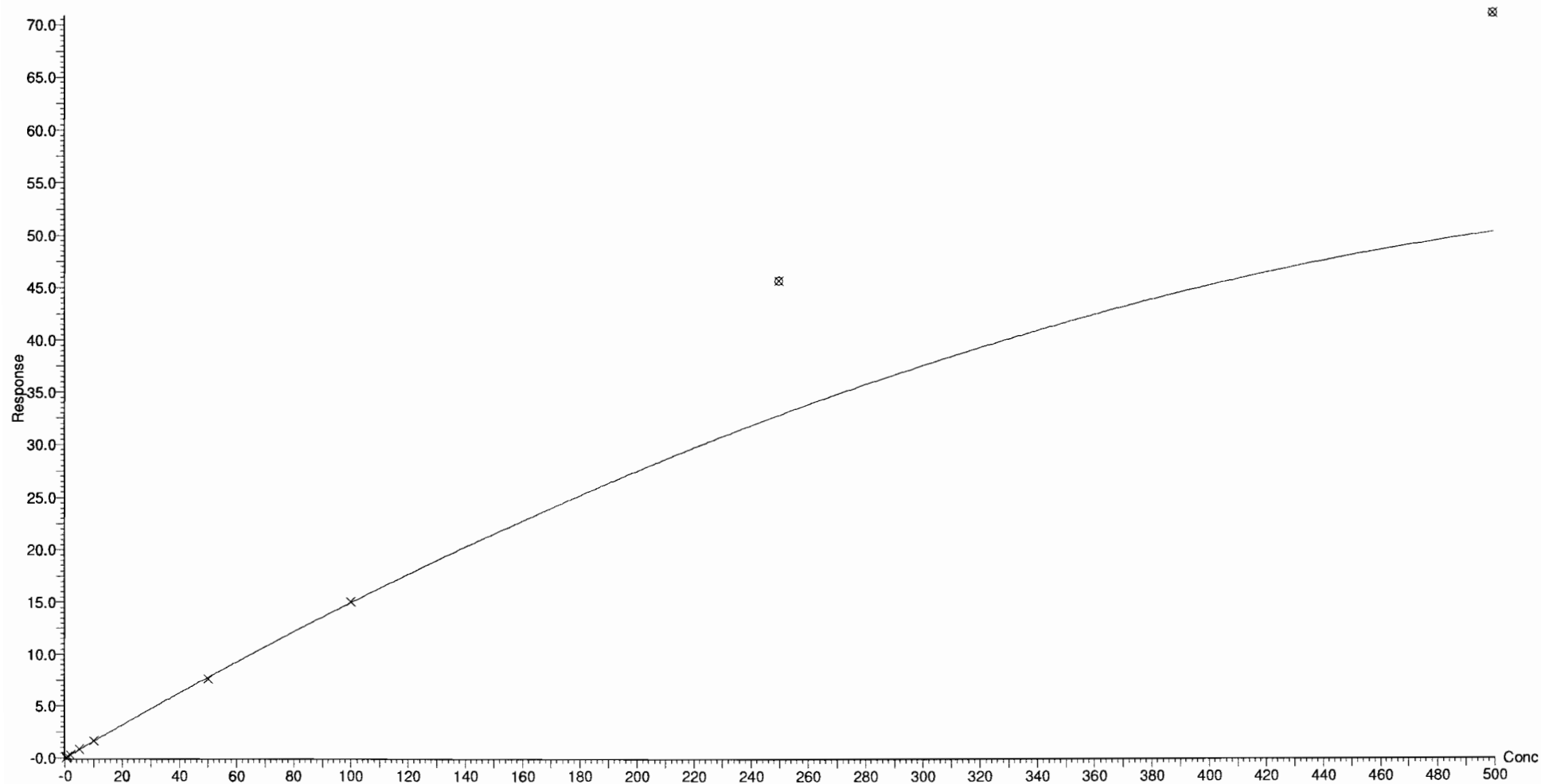
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time
Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

Compound name: PFHpS
Coefficient of Determination: $R^2 = 0.999602$
Calibration curve: $-0.000123546 * x^2 + 0.16215 * x + -0.0188994$
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

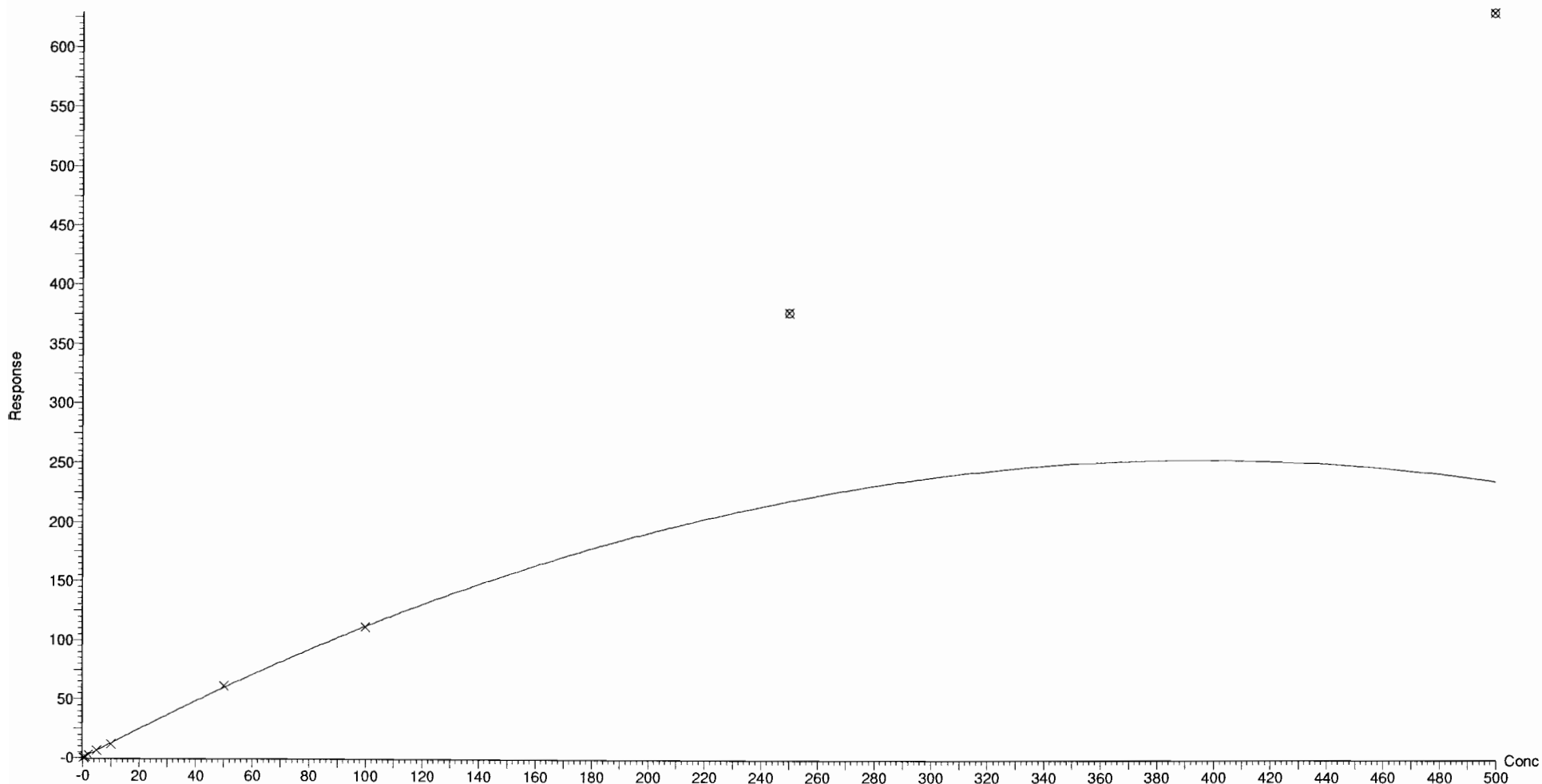
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999703$

Calibration curve: $-0.00162009 * x^2 + 1.28092 * x + 0.0219644$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

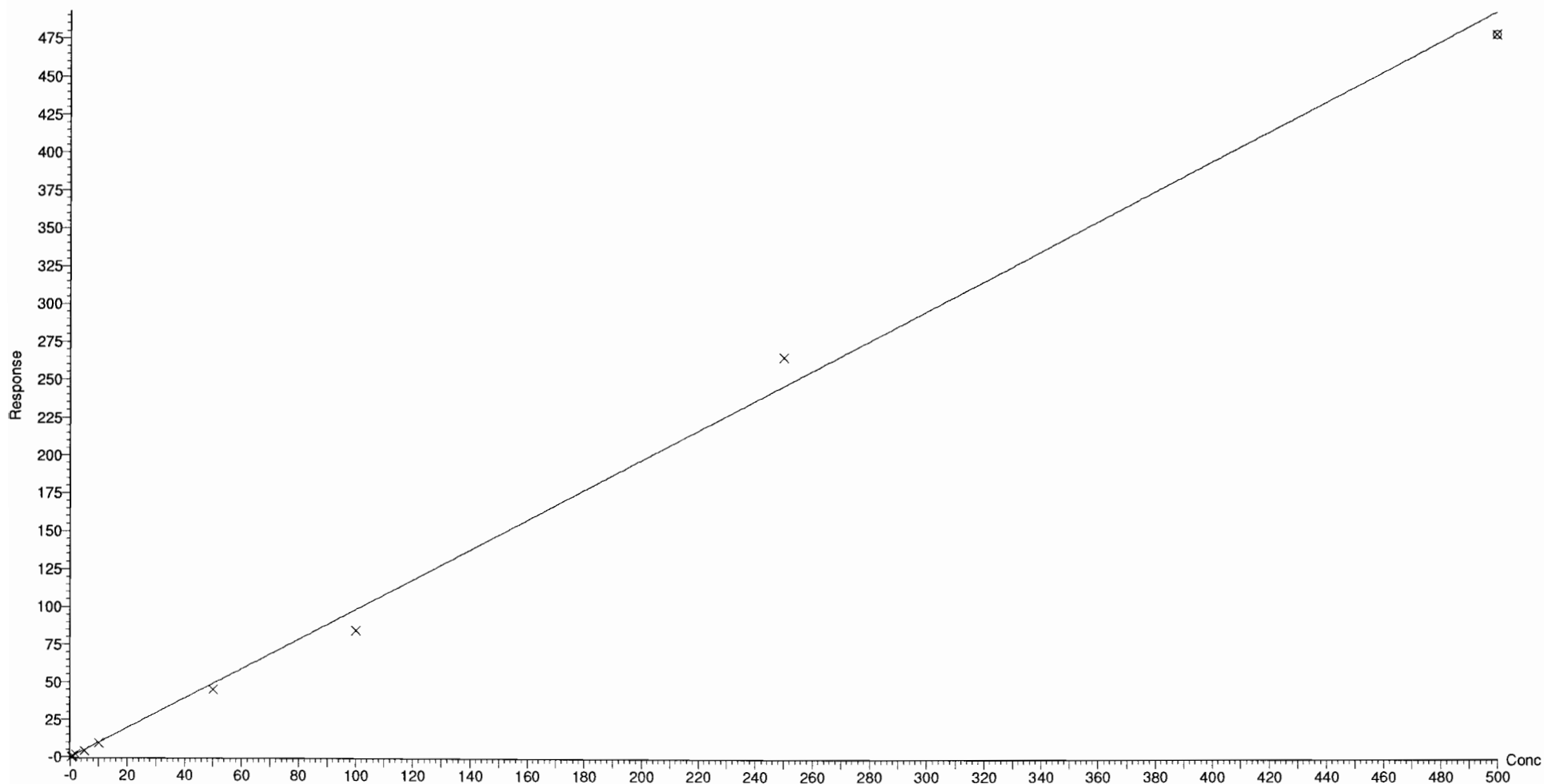
Compound name: PFOSA

Correlation coefficient: $r = 0.995170$, $r^2 = 0.990363$

Calibration curve: $0.985703 * x + -0.0571428$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

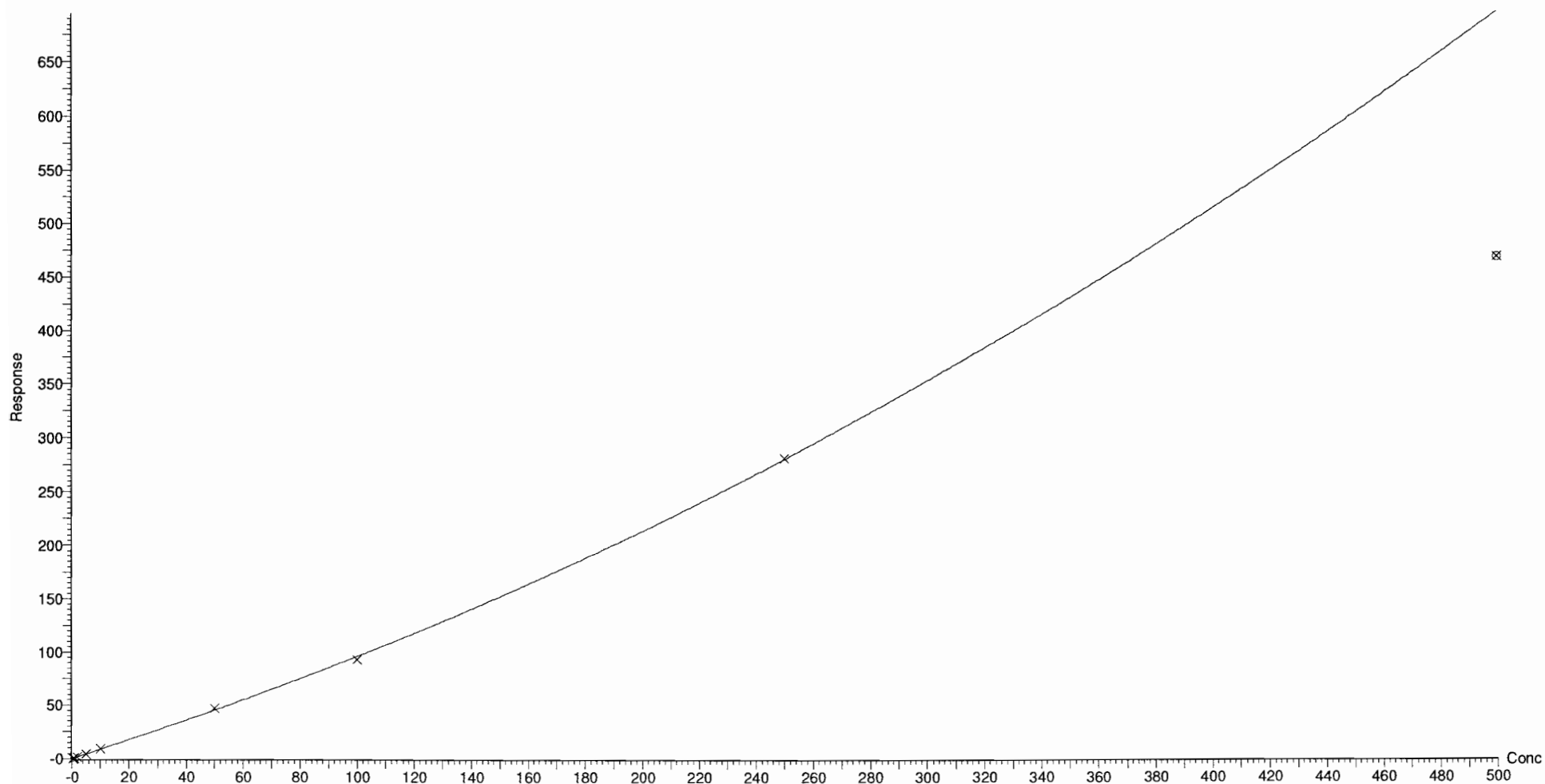
Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.999500$

Calibration curve: $0.001078 * x^2 + 0.850904 * x + 0.0359364$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

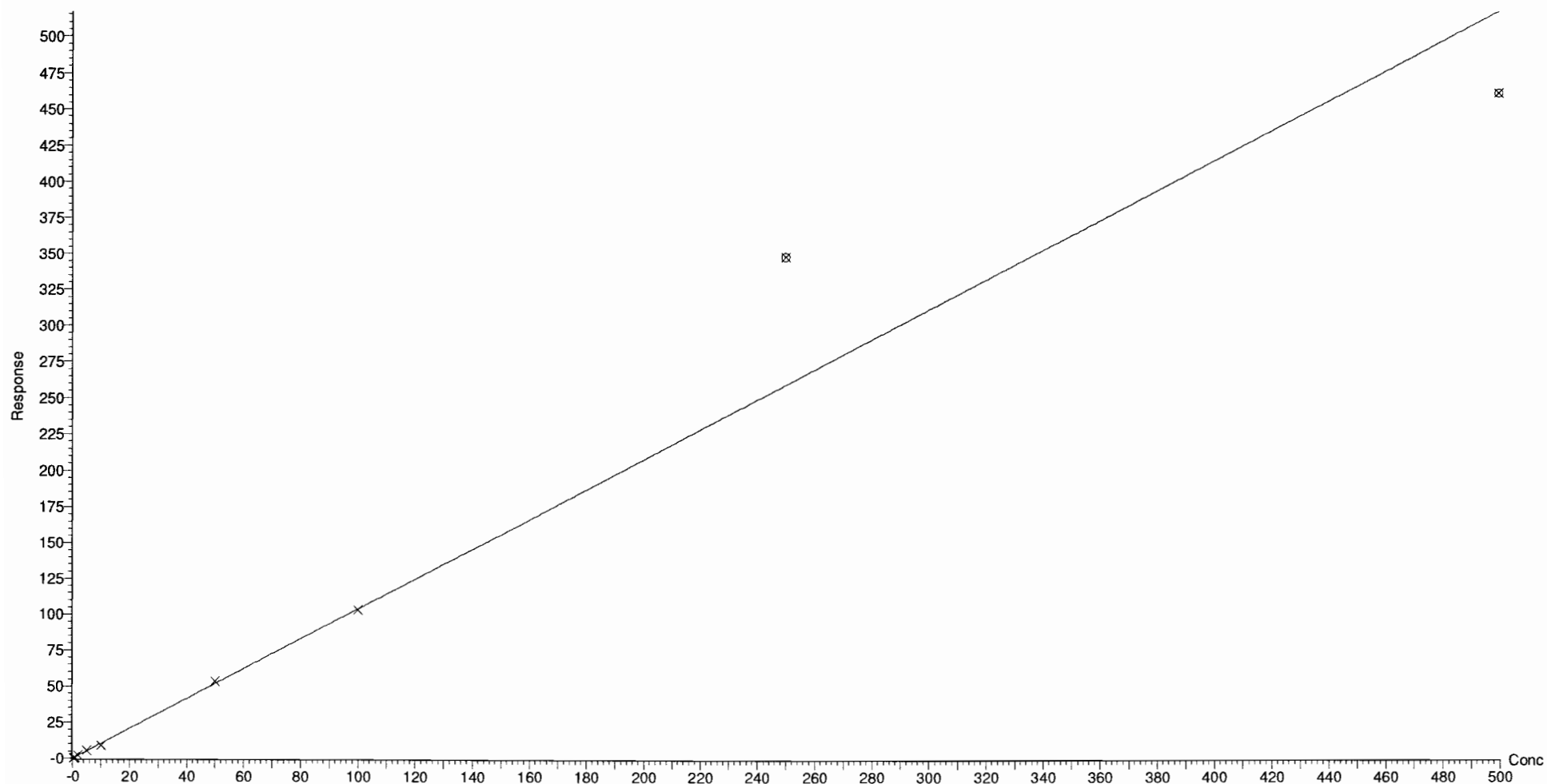
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.998609$

Calibration curve: $-1.62717e-005 * x^2 + 1.04174 * x + -0.010232$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

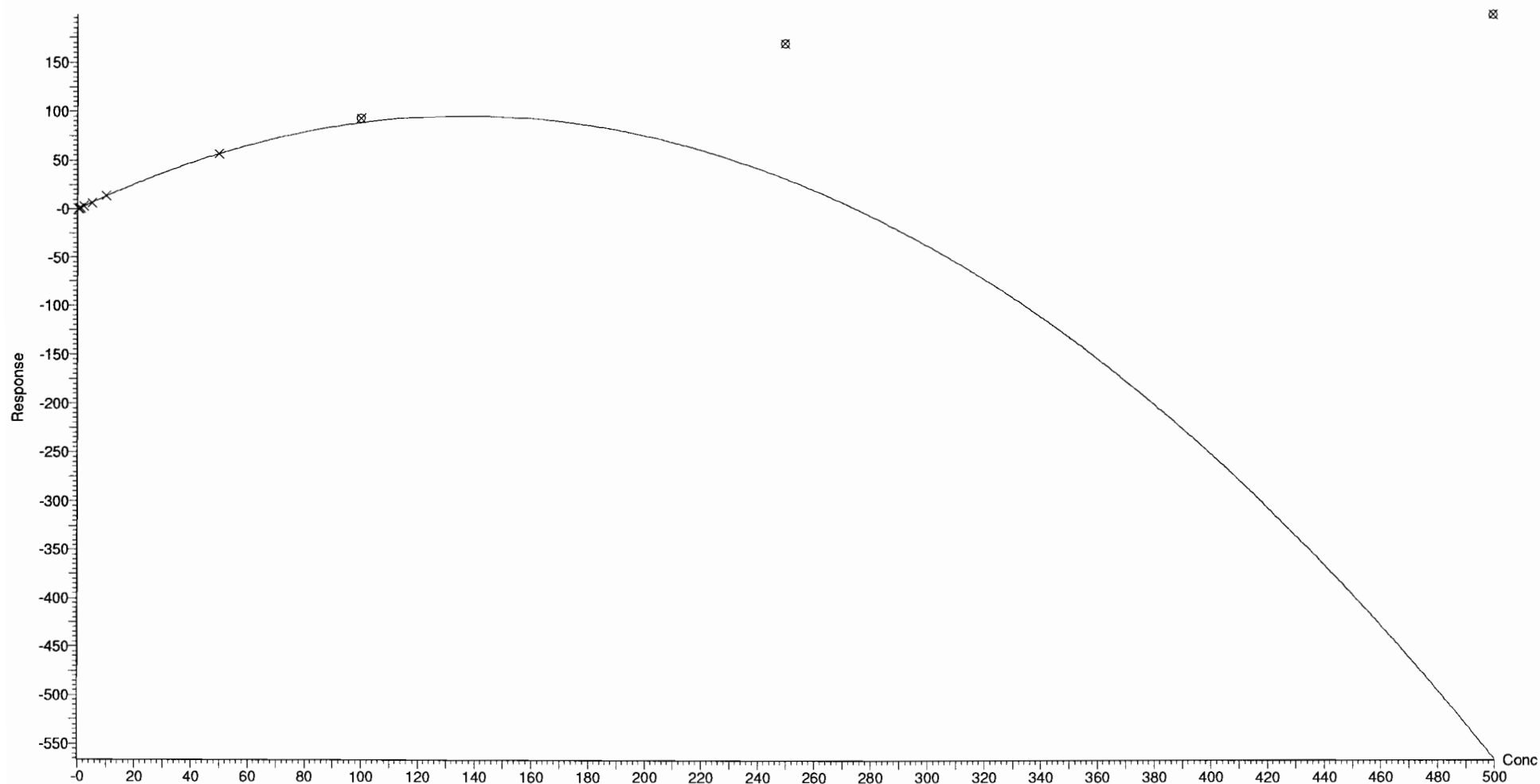
Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.999651$

Calibration curve: $-0.00503379 * x^2 + 1.38607 * x + -0.0245179$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

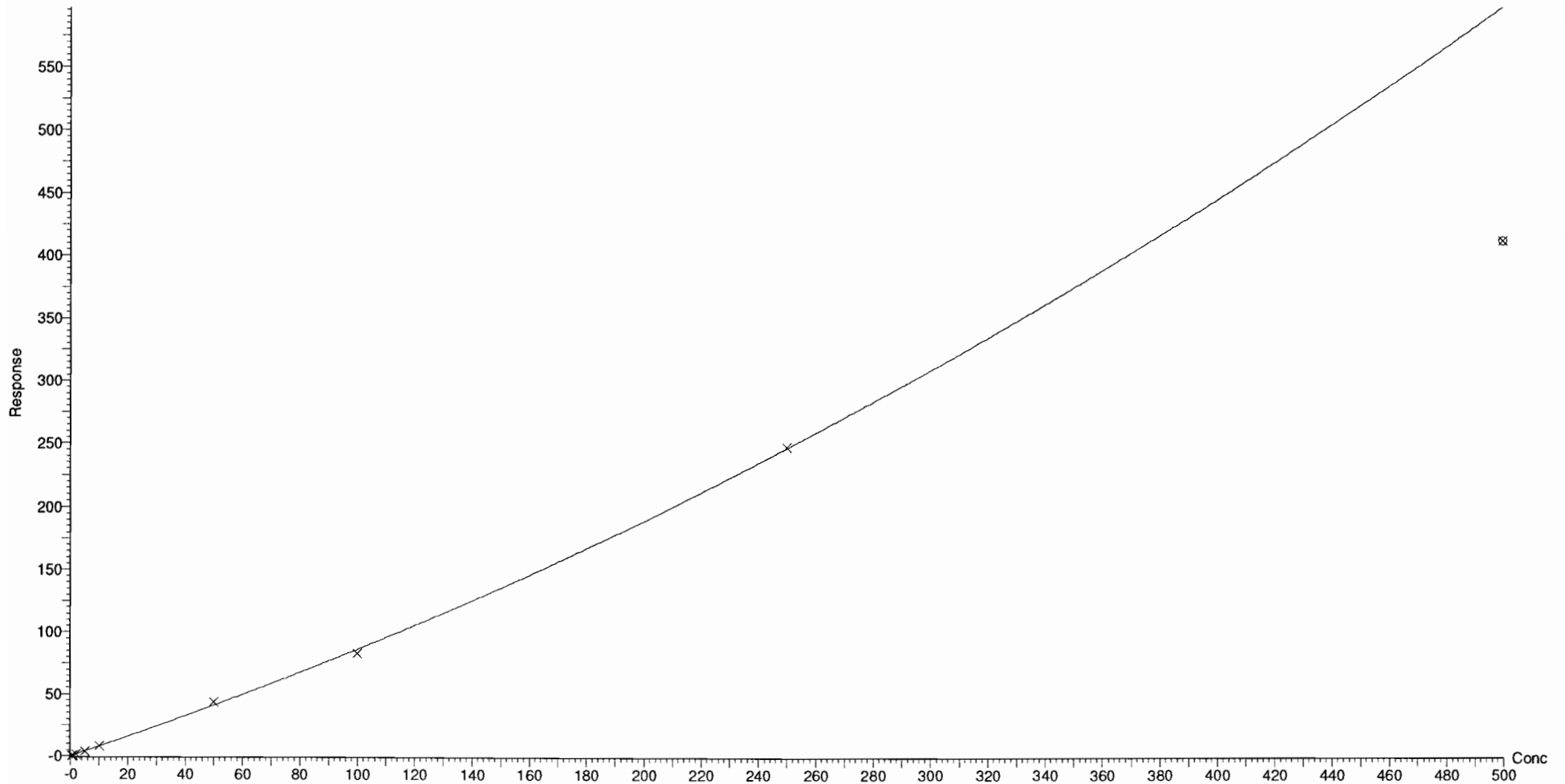
Compound name: PFNS

Coefficient of Determination: $R^2 = 0.999290$

Calibration curve: $0.000829087 * x^2 + 0.779314 * x + 0.0881757$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

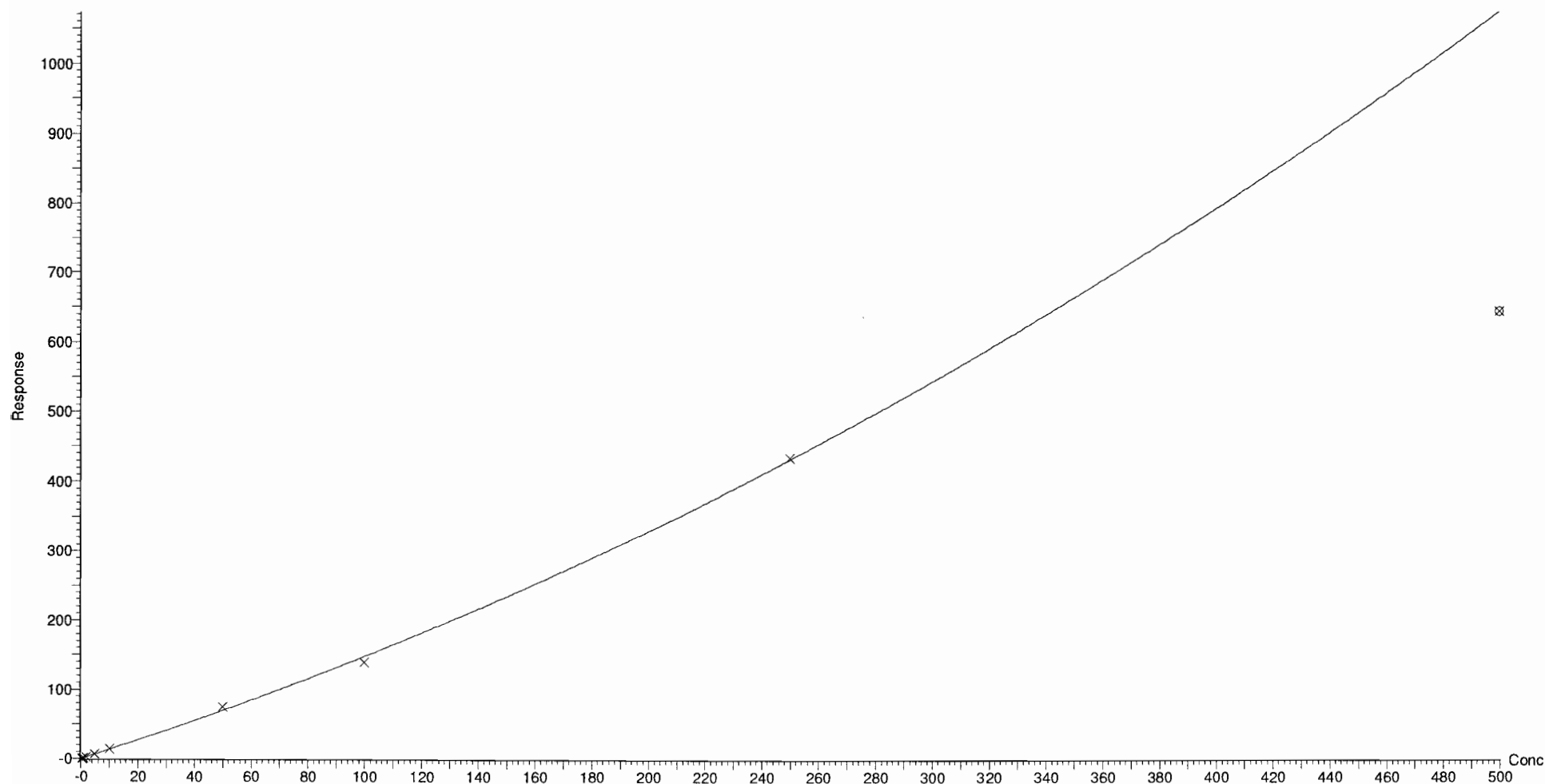
Compound name: L-MeFOSAA

Coefficient of Determination: $R^2 = 0.998679$

Calibration curve: $0.00166915 * x^2 + 1.31164 * x + 0.00353586$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:06 Pacific Daylight Time

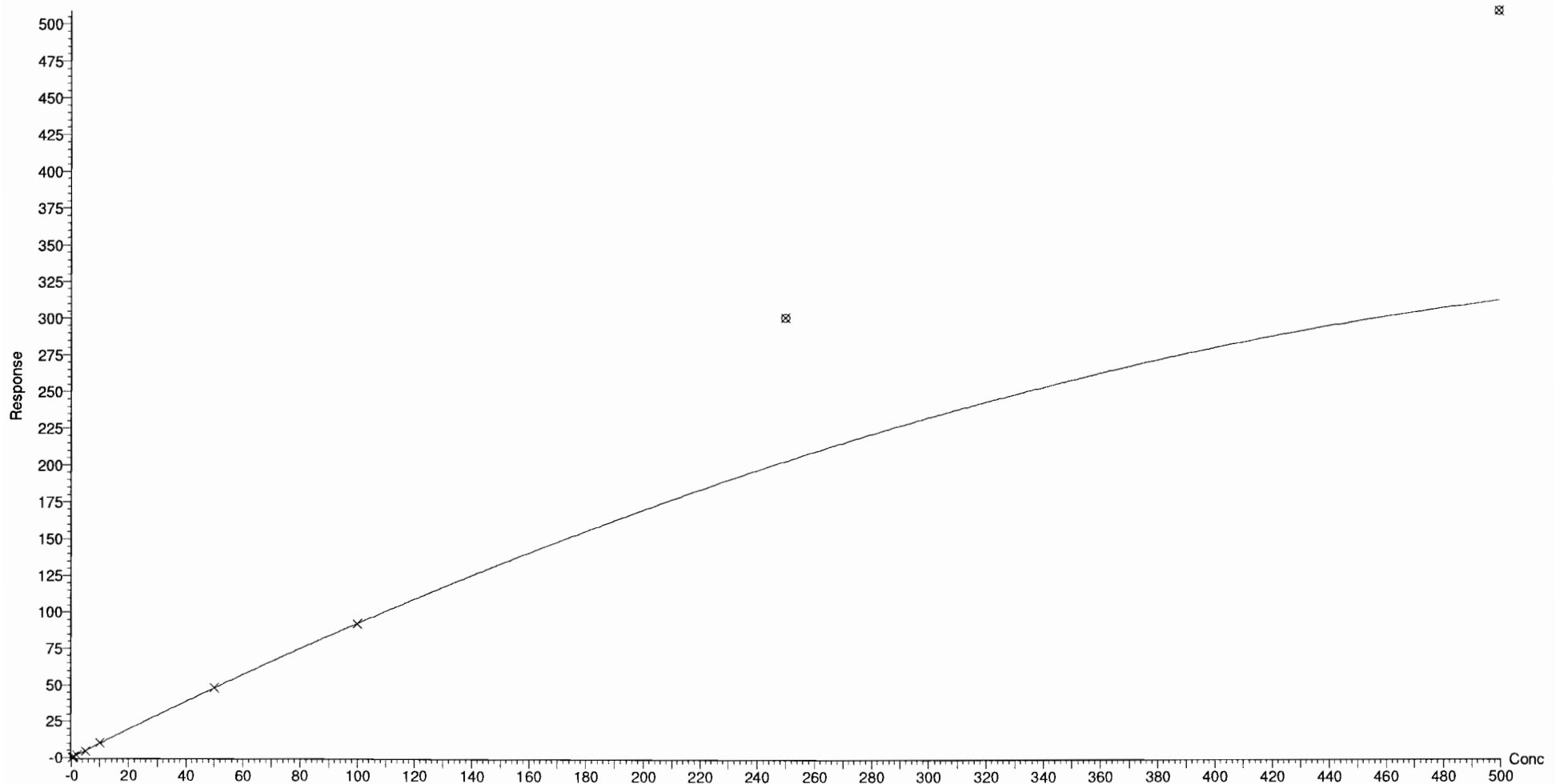
Compound name: L-EtFOSAA

Coefficient of Determination: $R^2 = 0.999493$

Calibration curve: $-0.000753322 * x^2 + 1.00163 * x + -0.0476582$

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 12:44:23

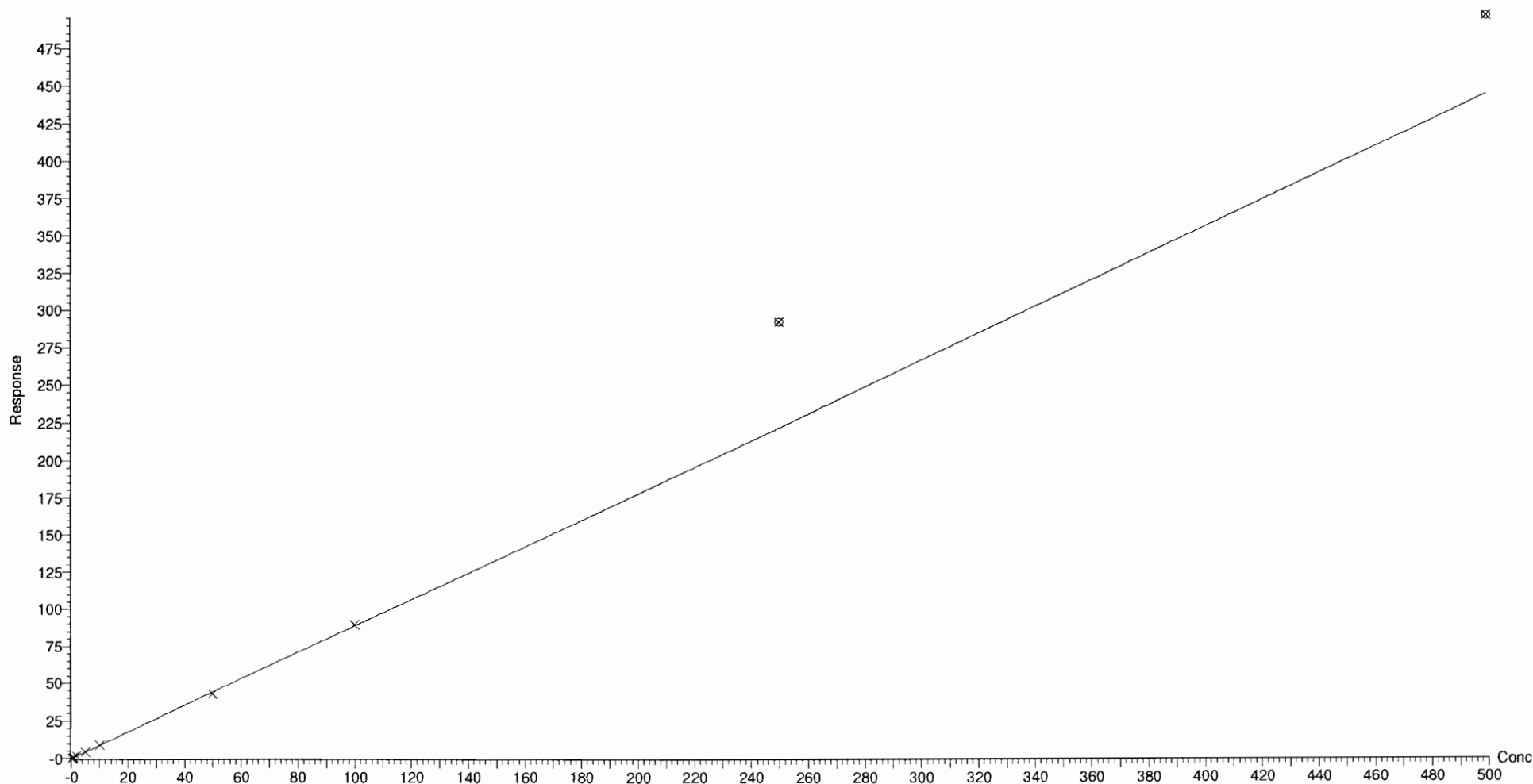
Compound name: PFUdA

Correlation coefficient: $r = 0.999640$, $r^2 = 0.999280$

Calibration curve: $0.887045 * x + 0.0461361$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

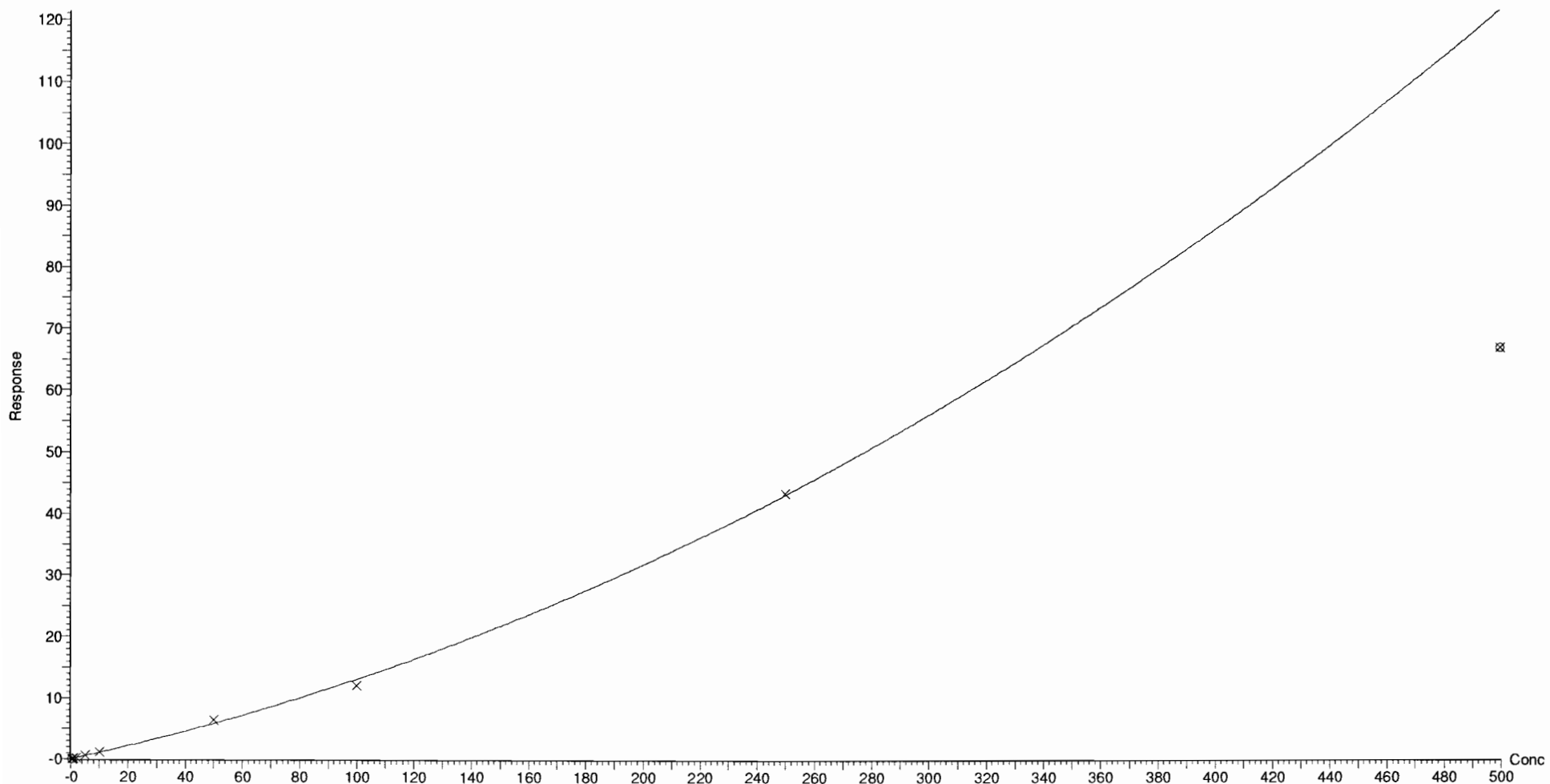
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.998073$

Calibration curve: $0.000281191 * x^2 + 0.102068 * x + 0.0367619$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

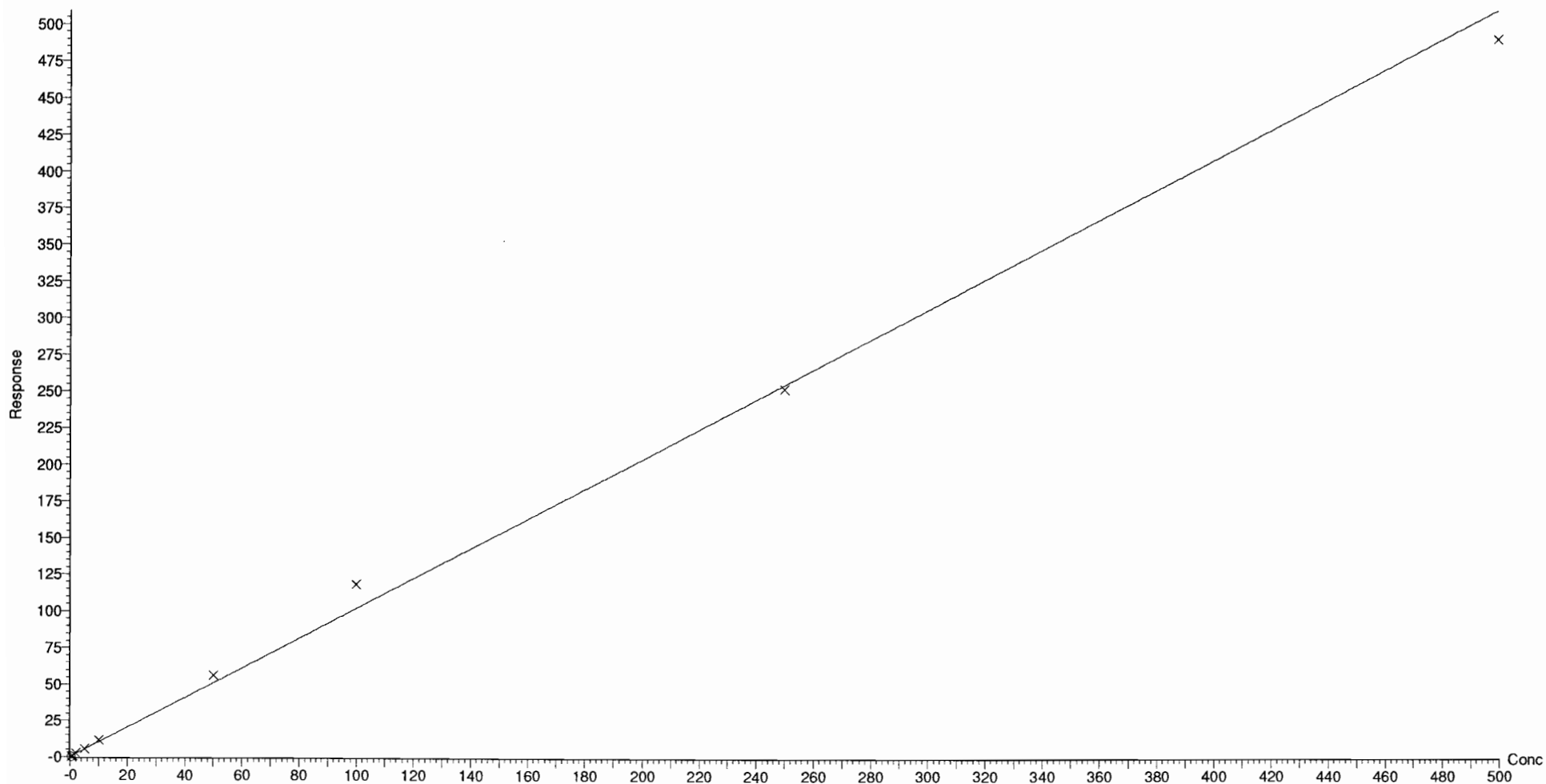
Compound name: PFDaA

Correlation coefficient: $r = 0.997756$, $r^2 = 0.99516$

Calibration curve: $1.01793 * x + 0.270053$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

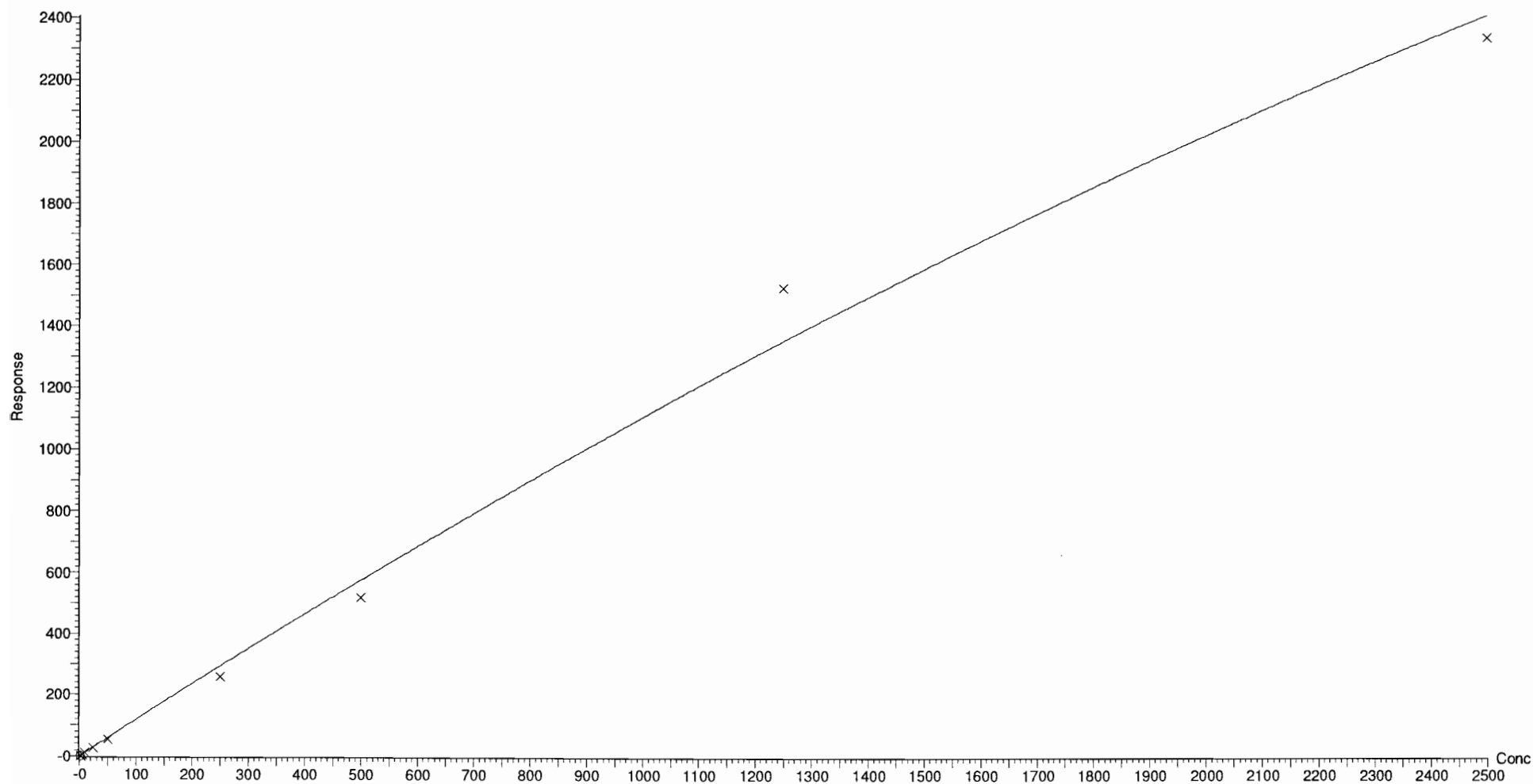


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

Compound name: N-MeFOSA
Coefficient of Determination: $R^2 = 0.991925$
Calibration curve: $-9.56844e-005 * x^2 + 1.20175 * x + -0.471228$
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

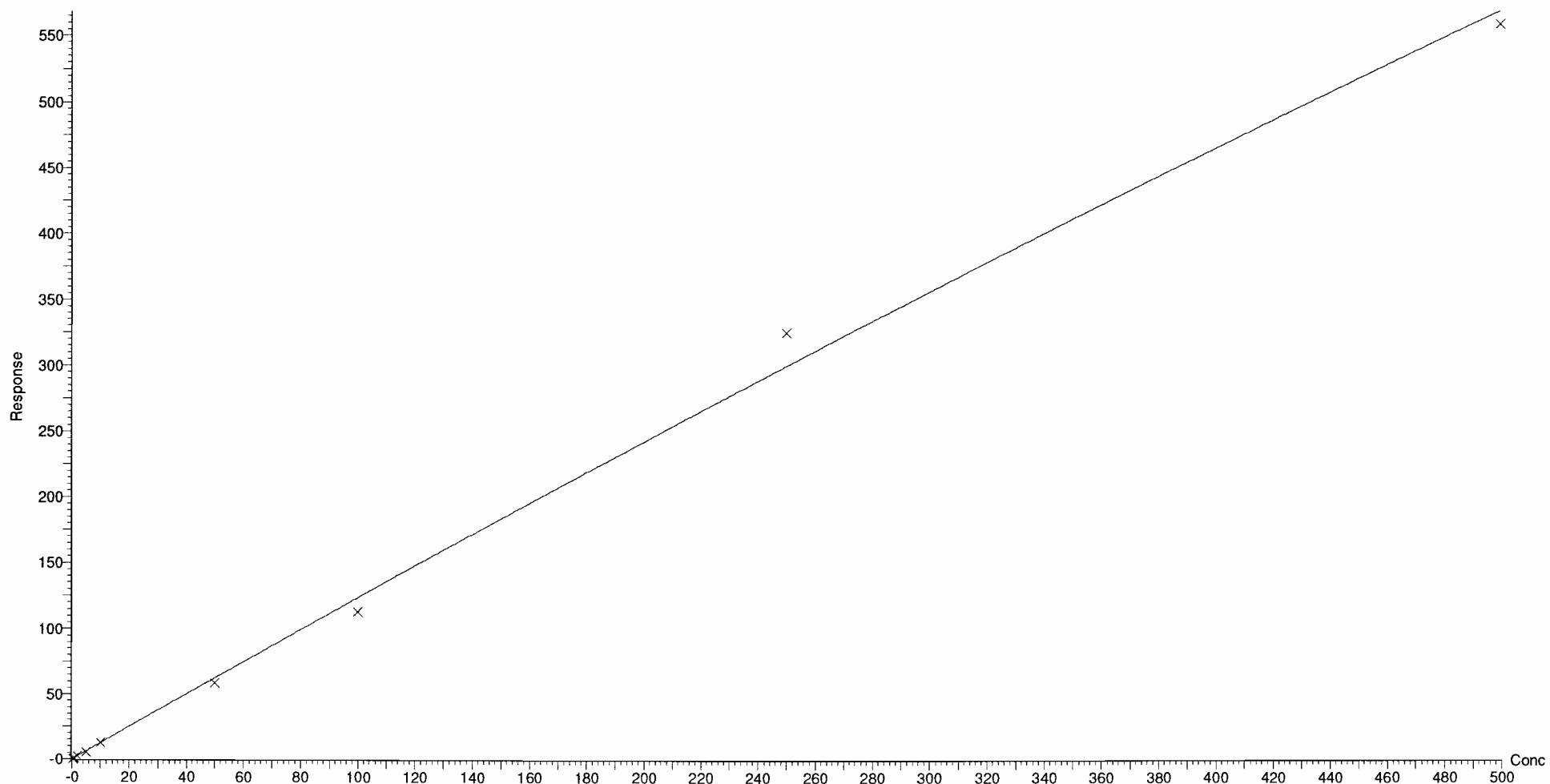
Compound name: PFTrDA

Coefficient of Determination: $R^2 = 0.996499$

Calibration curve: $-0.00024791 * x^2 + 1.26037 * x + -0.0531651$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

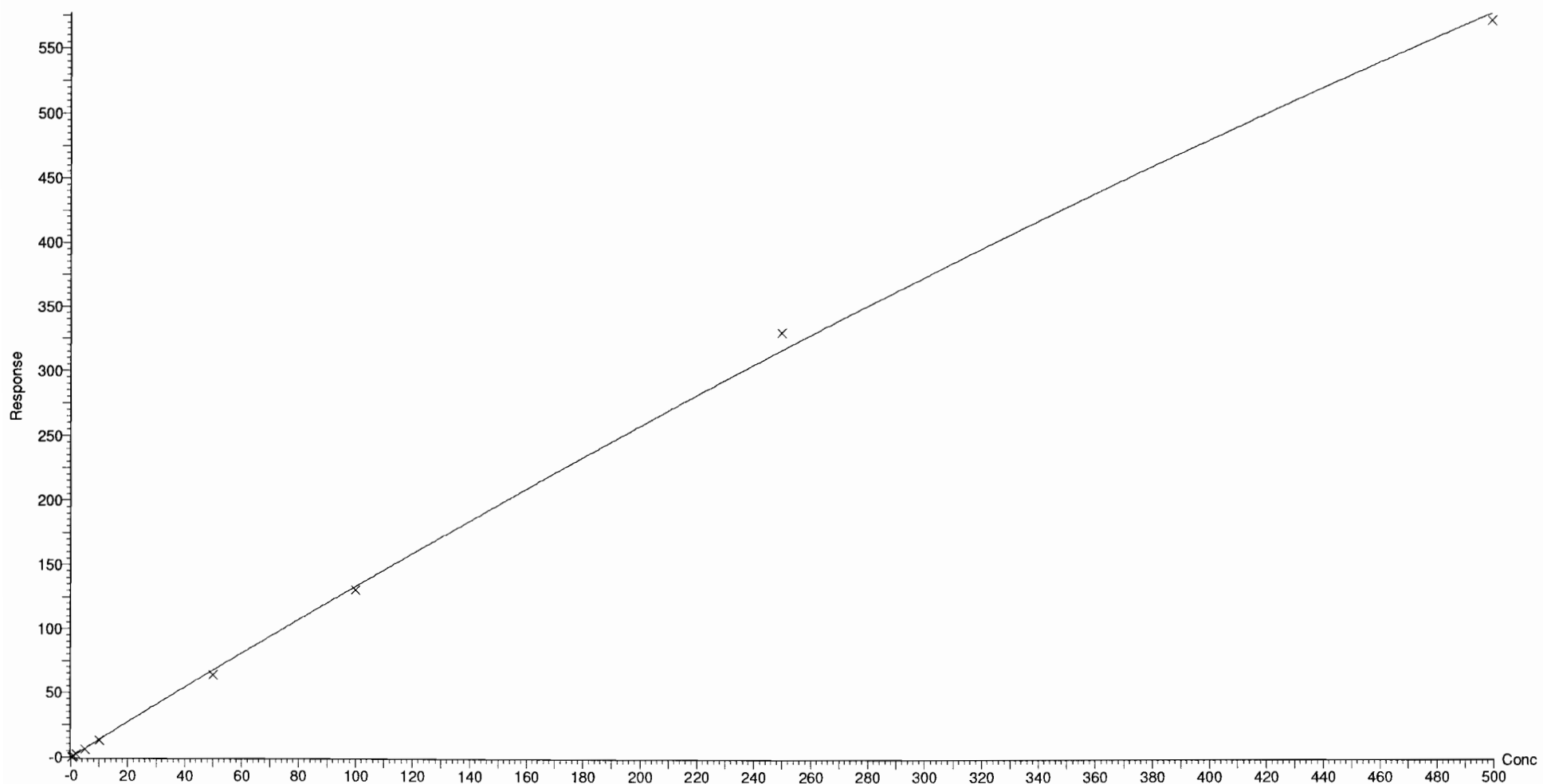
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999030$

Calibration curve: $-0.000450166 * x^2 + 1.3795 * x + -0.0504348$

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999040$

Calibration curve: $0.000234046 * x^2 + 0.835199 * x + 0.310518$

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

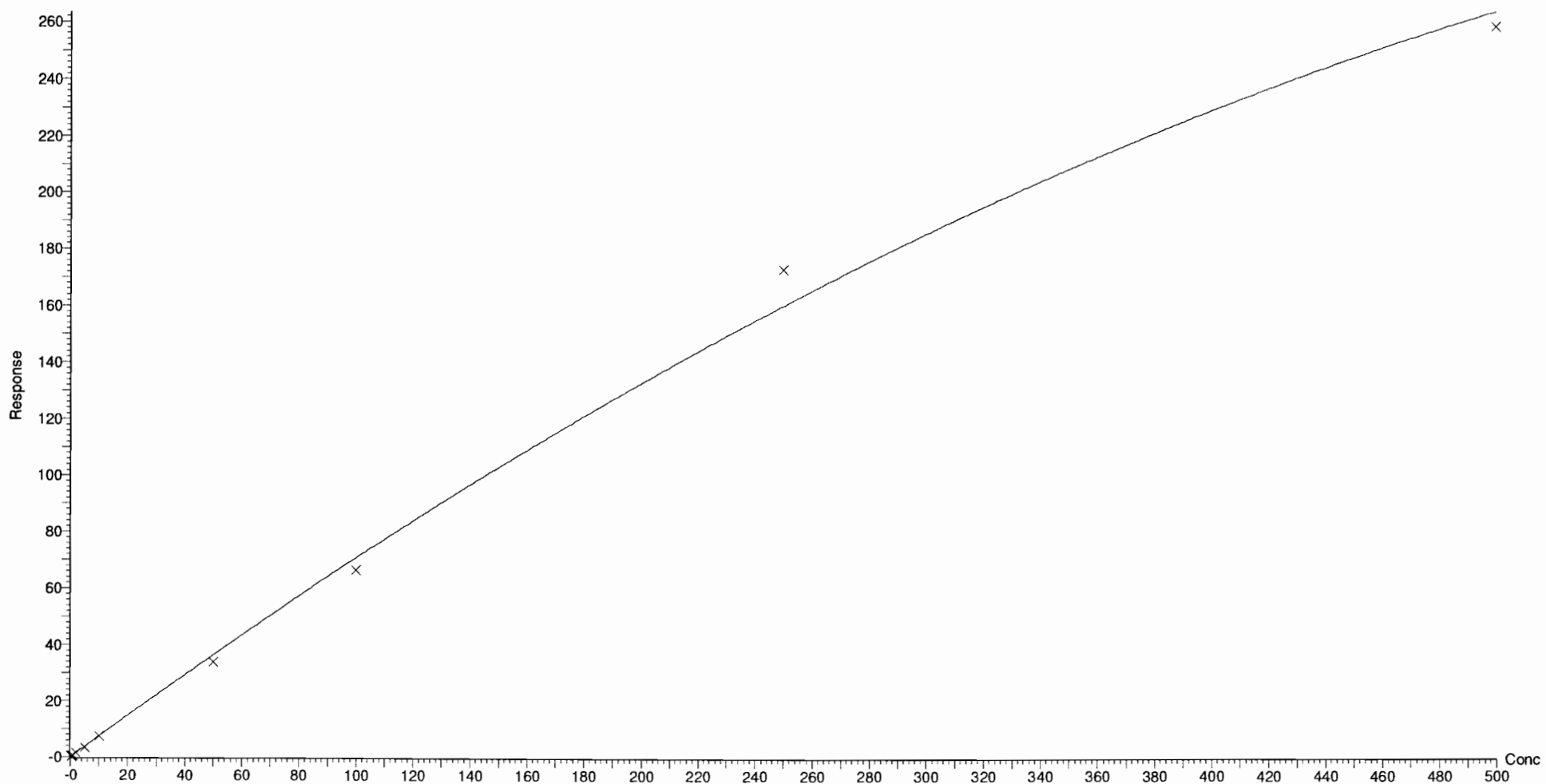
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.996623$

Calibration curve: $-0.00045341 * x^2 + 0.753823 * x + 0.00455734$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

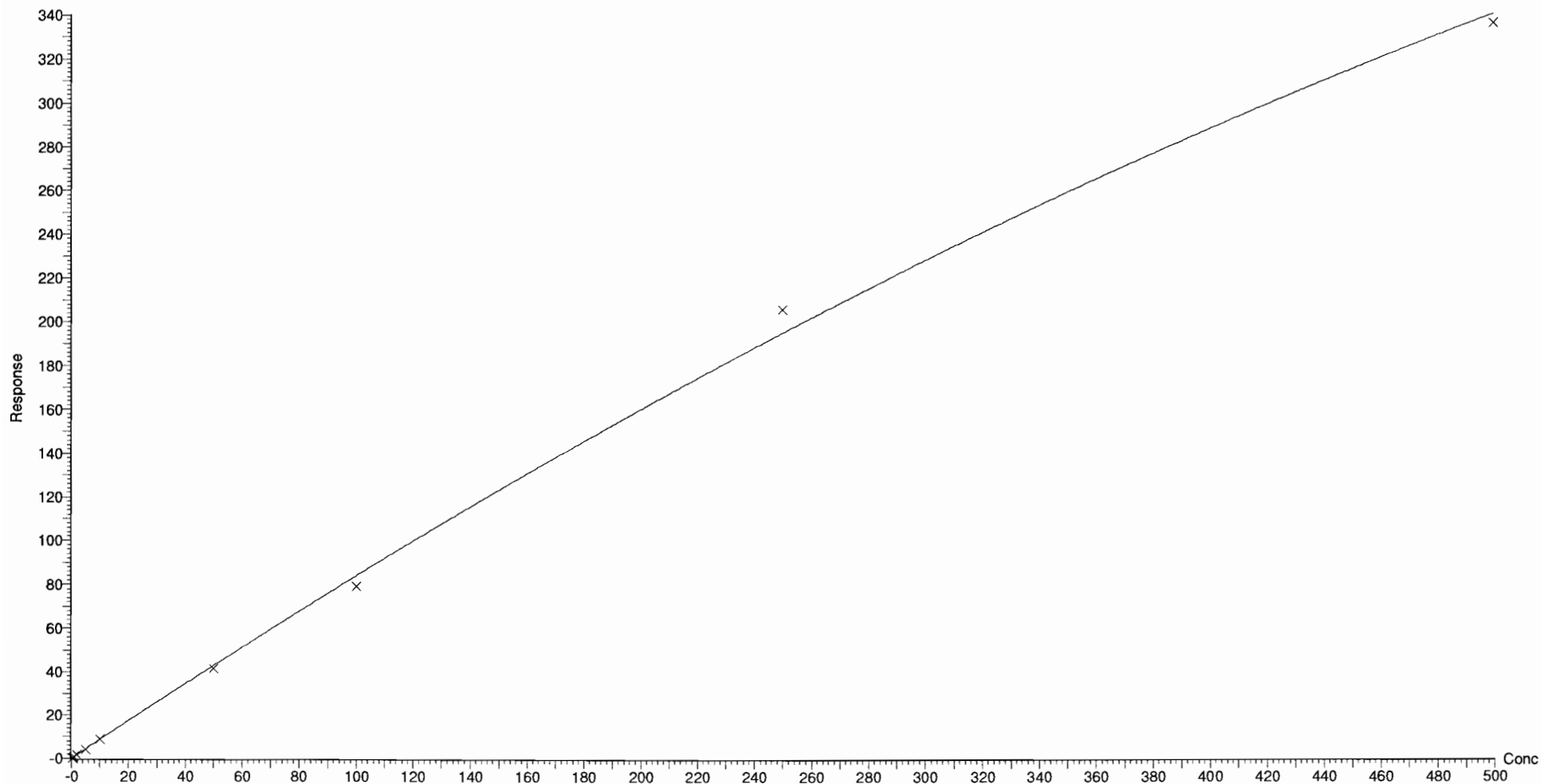
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time
Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

Compound name: PFODA
Coefficient of Determination: $R^2 = 0.998350$
Calibration curve: $-0.000400131 * x^2 + 0.880442 * x + -0.0307478$
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

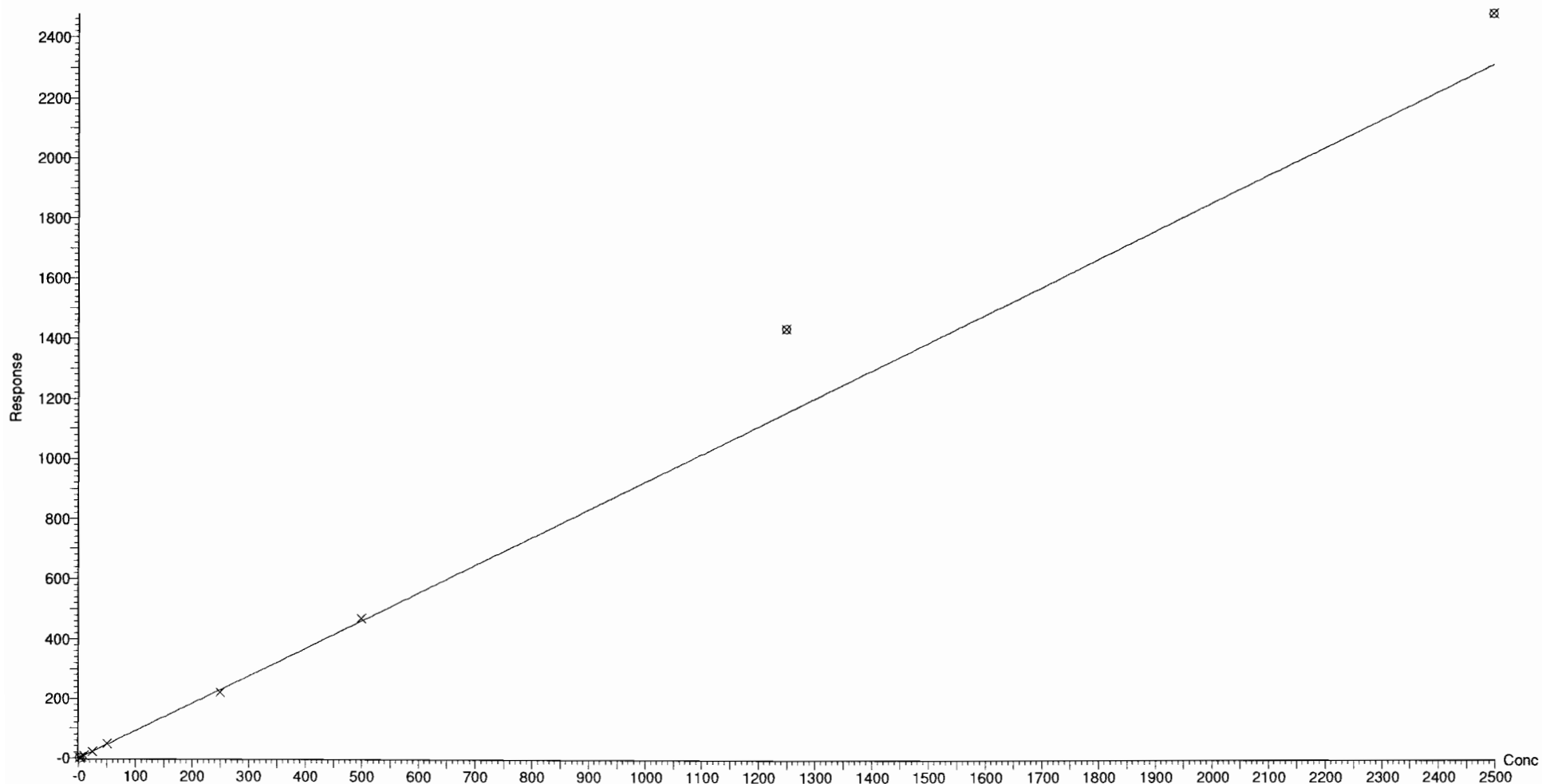
Compound name: N-MeFOSE

Correlation coefficient: $r = 0.999476$, $r^2 = 0.998953$

Calibration curve: $0.924241 * x + 0.0436252$

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:51:23 Pacific Daylight Time

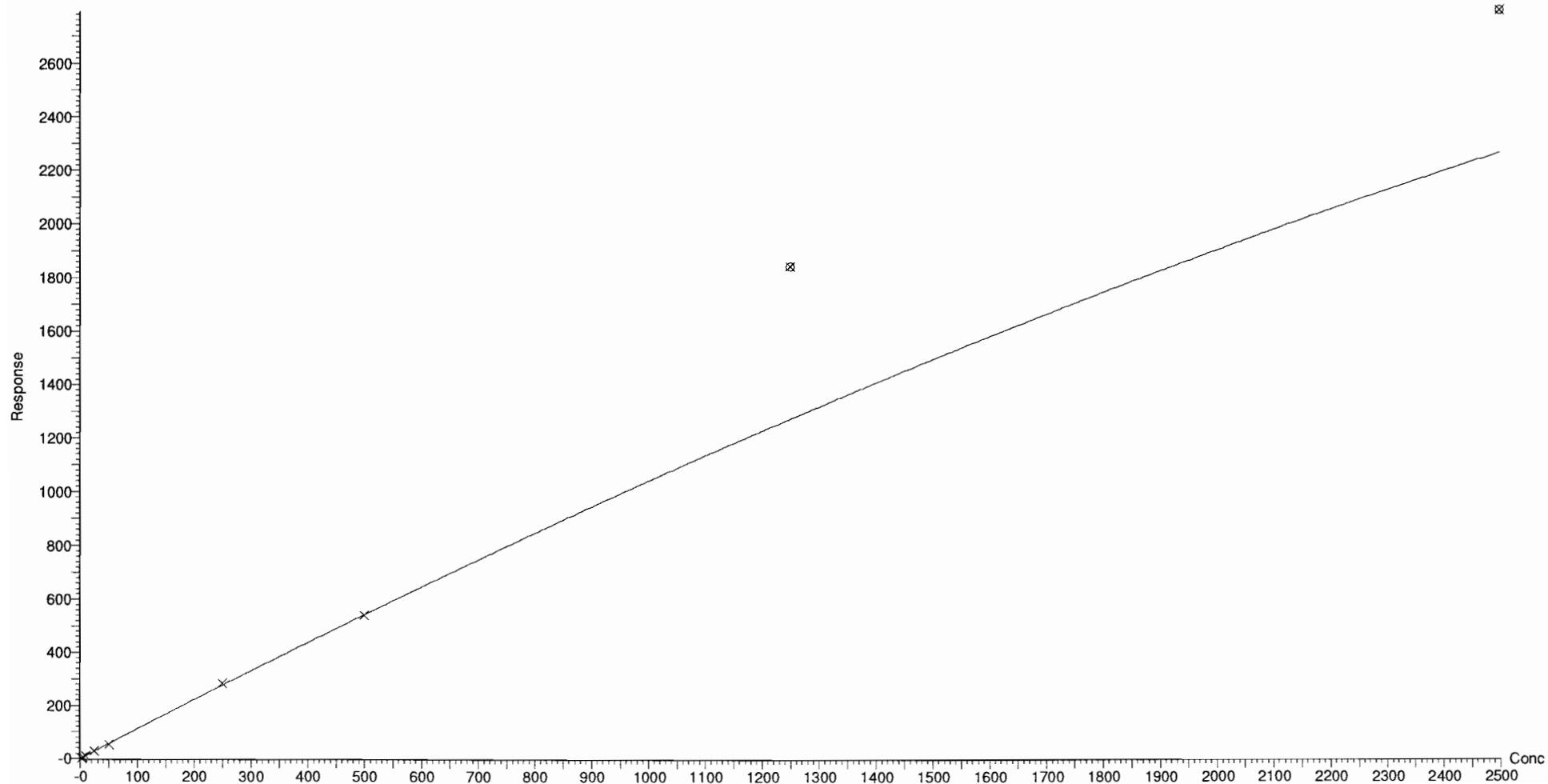
Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999479$

Calibration curve: $-9.05452e-005 * x^2 + 1.1312 * x + -0.0363474$

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

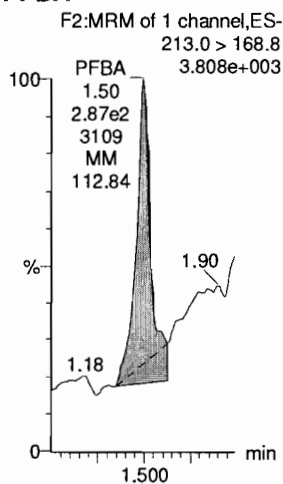
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

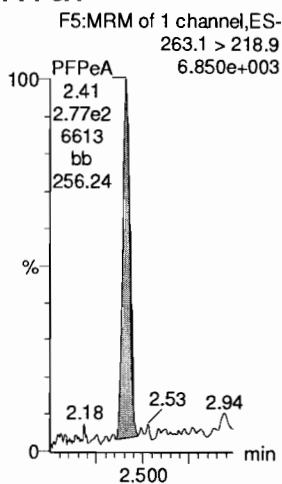
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 12:44:23

Name: 180528M1_3, Date: 28-May-2018, Time: 16:14:14, ID: ST180528M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

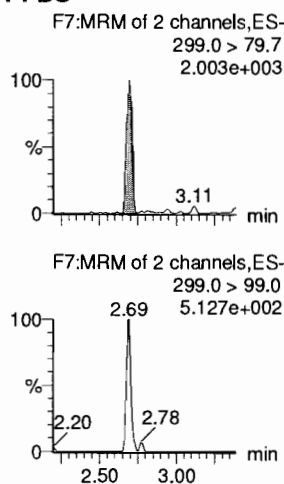
PFBA



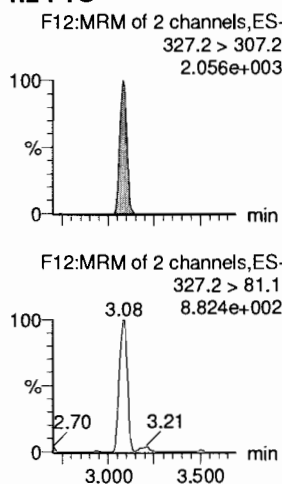
PFPeA



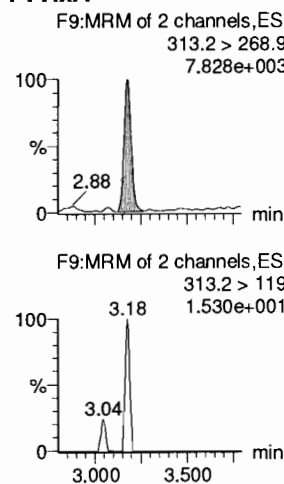
PFBS



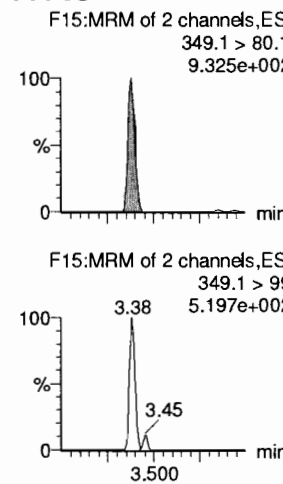
4:2 FTS



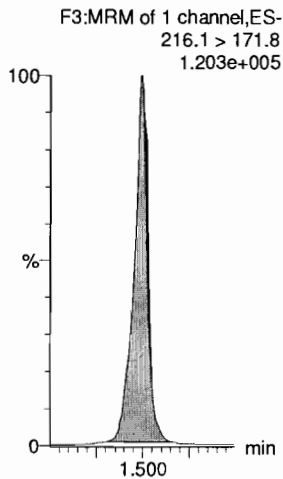
PFHxA



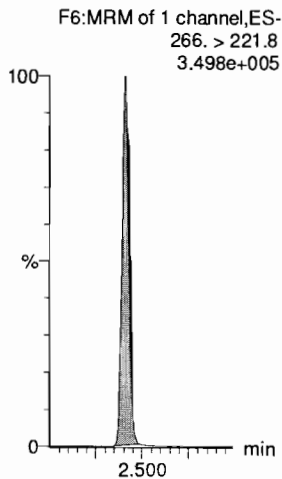
PFPeS



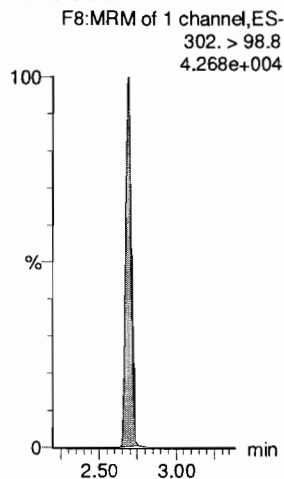
13C3-PFBA



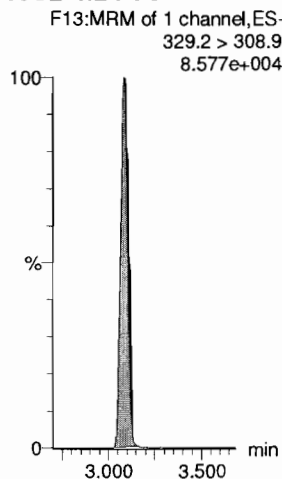
13C3-PFPeA



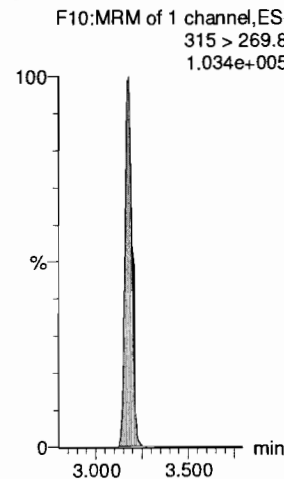
13C3-PFBS



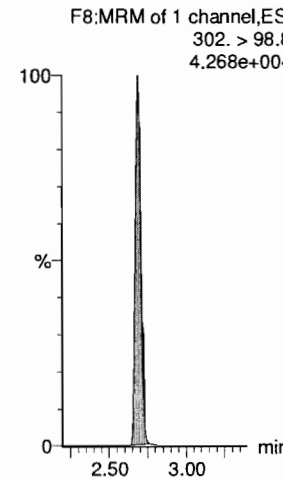
13C2-4:2 FTS



13C2-PFHxA



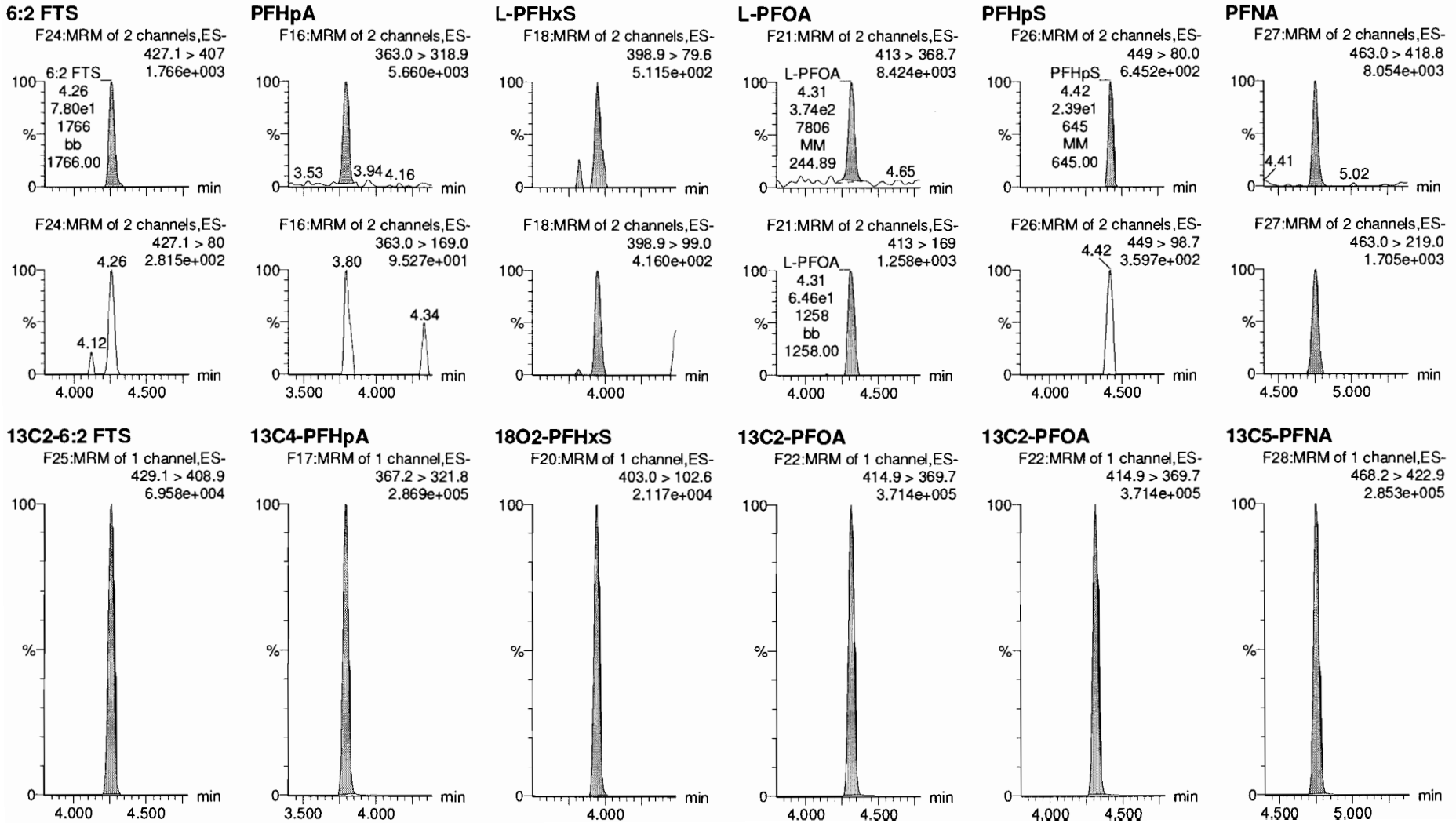
13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_3, Date: 28-May-2018, Time: 16:14:14, ID: ST180528M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202



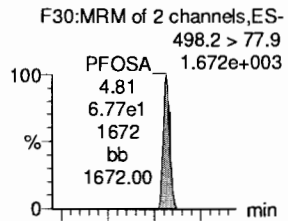
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

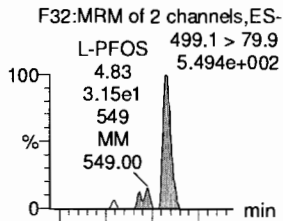
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_3, Date: 28-May-2018, Time: 16:14:14, ID: ST180528M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

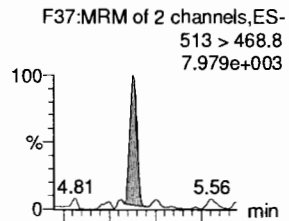
PFOSA



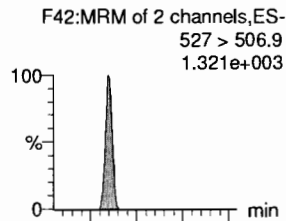
L-PFOS



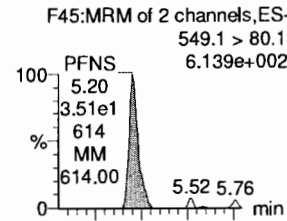
PFDA



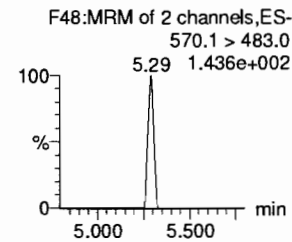
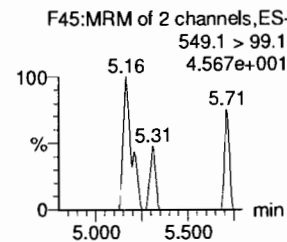
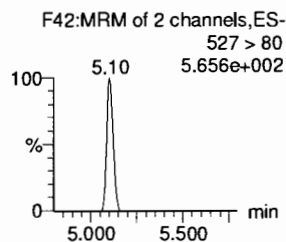
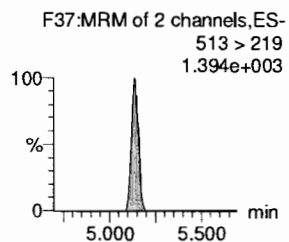
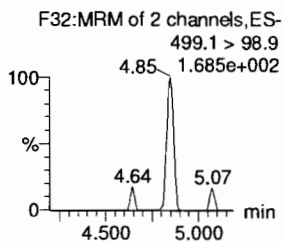
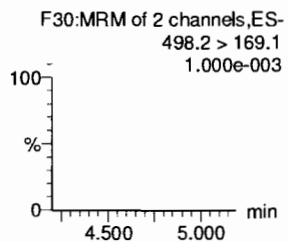
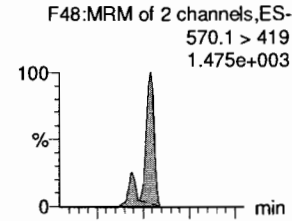
8:2 FTS



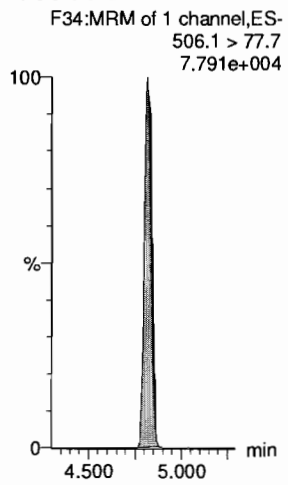
PFNS



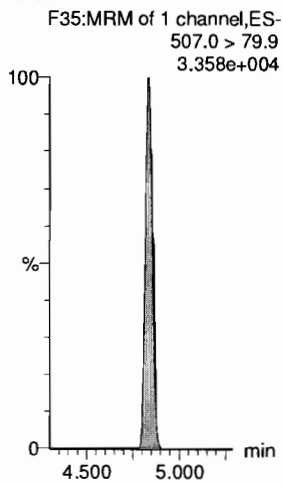
L-MeFOSAA



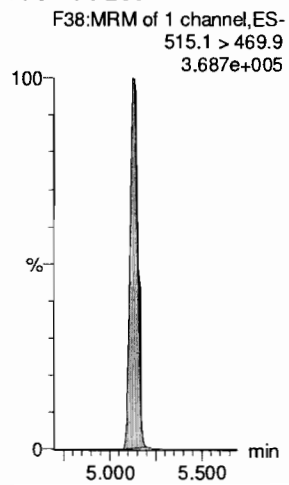
13C8-PFOSA



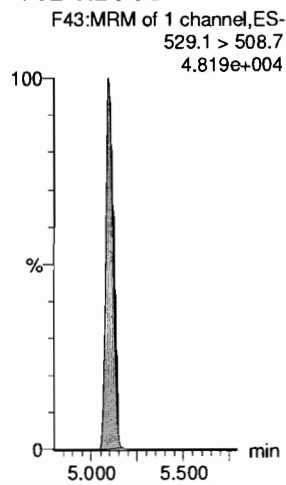
13C8-PFOS



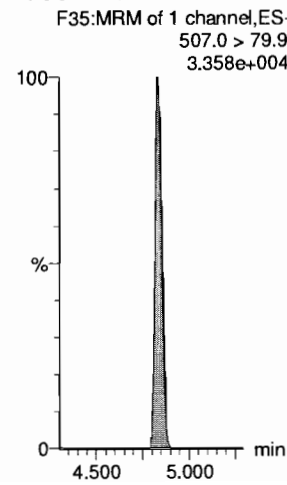
13C2-PFDA



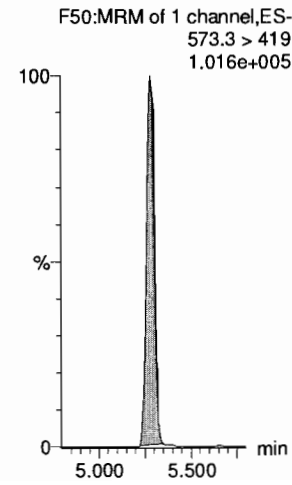
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



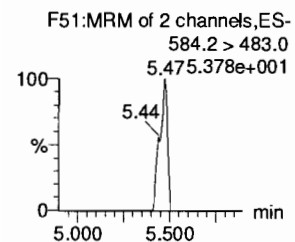
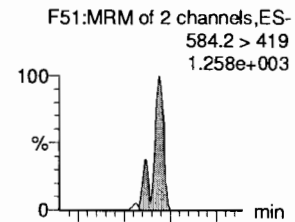
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

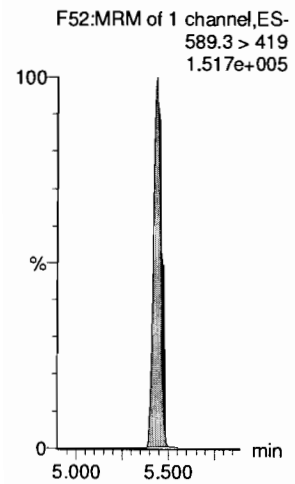
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_3, Date: 28-May-2018, Time: 16:14:14, ID: ST180528M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

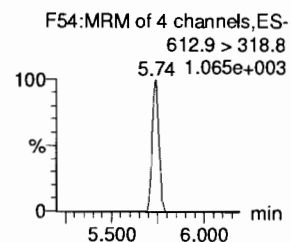
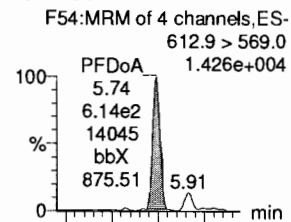
L-EtFOSAA



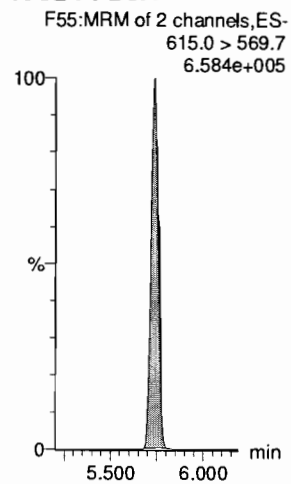
d5-N-EtFOSAA



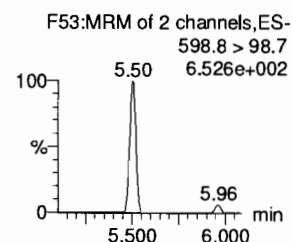
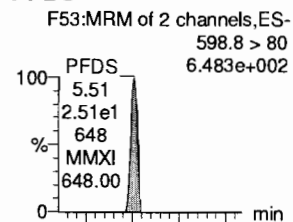
PFDoA



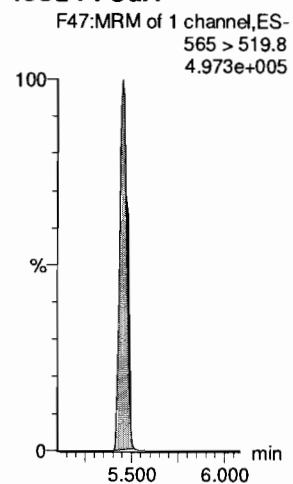
13C2-PFDoA



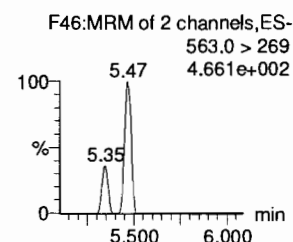
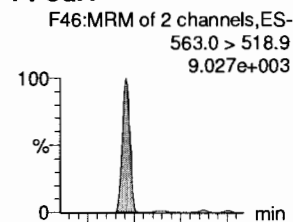
PFDS



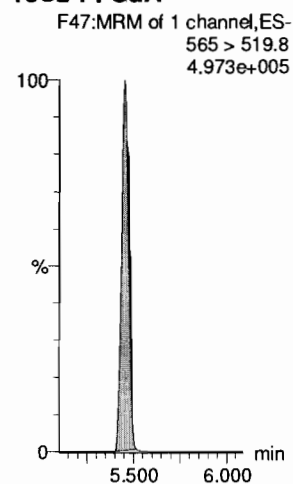
13C2-PFDoA



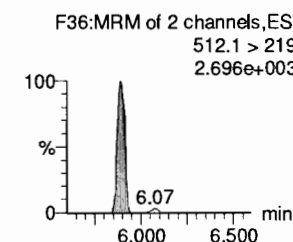
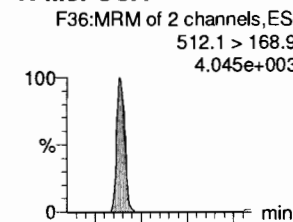
PFUdA



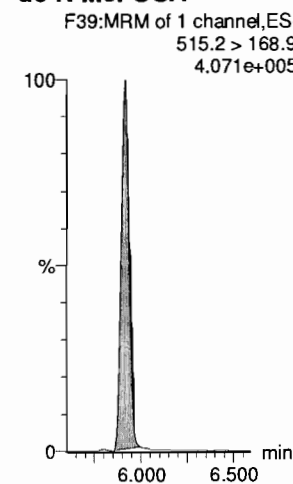
13C2-PFUdA



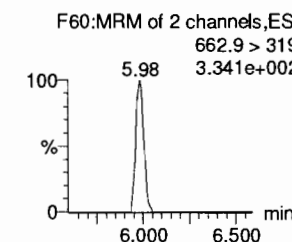
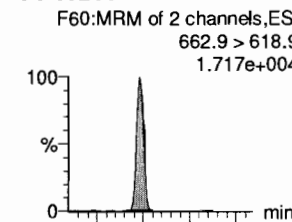
N-MeFOSA



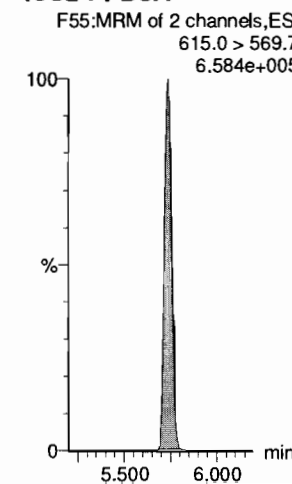
d3-N-MeFOSA



PFTrDA



13C2-PFDoA

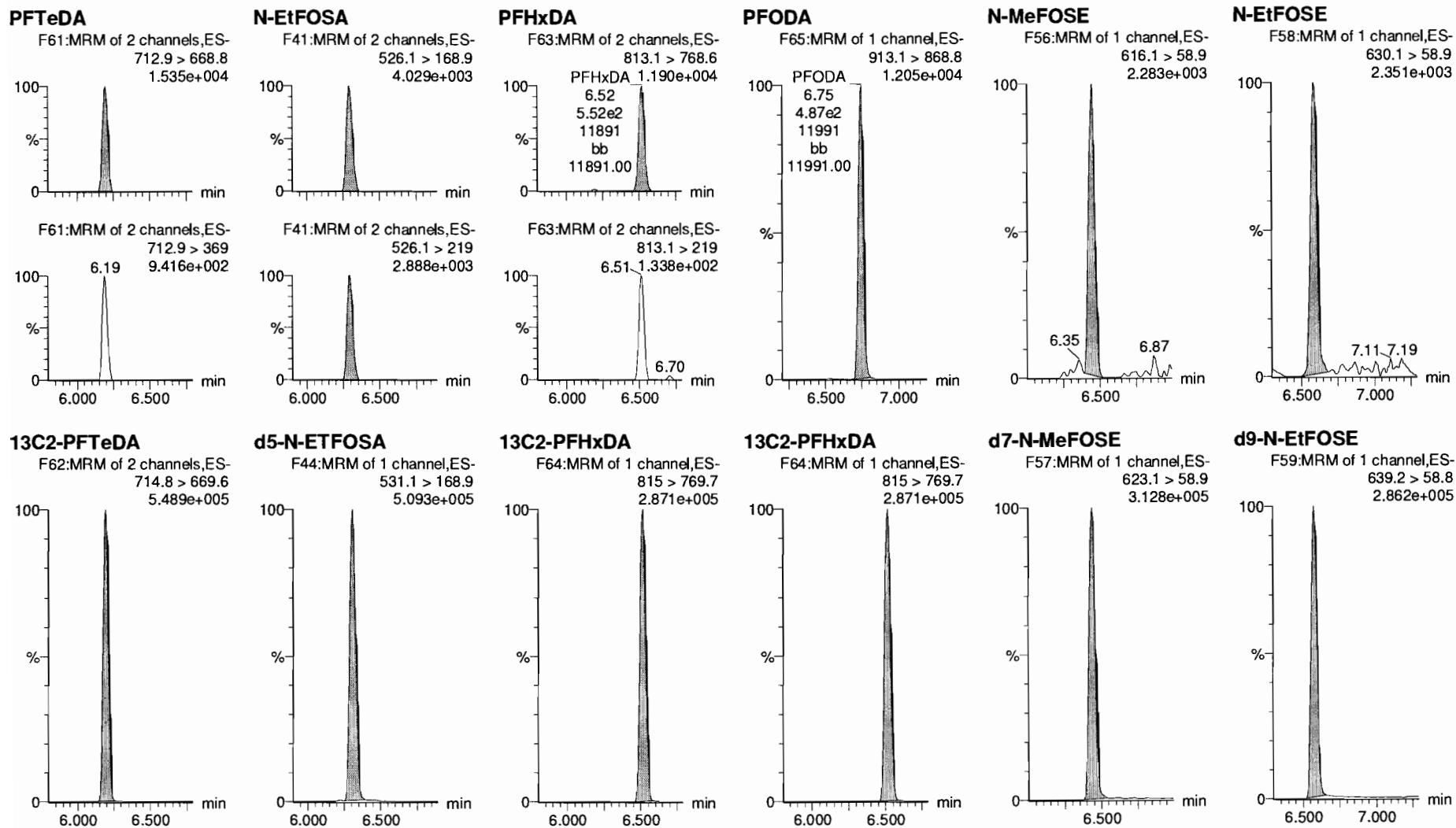


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

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Name: 180528M1_3, Date: 28-May-2018, Time: 16:14:14, ID: ST180528M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

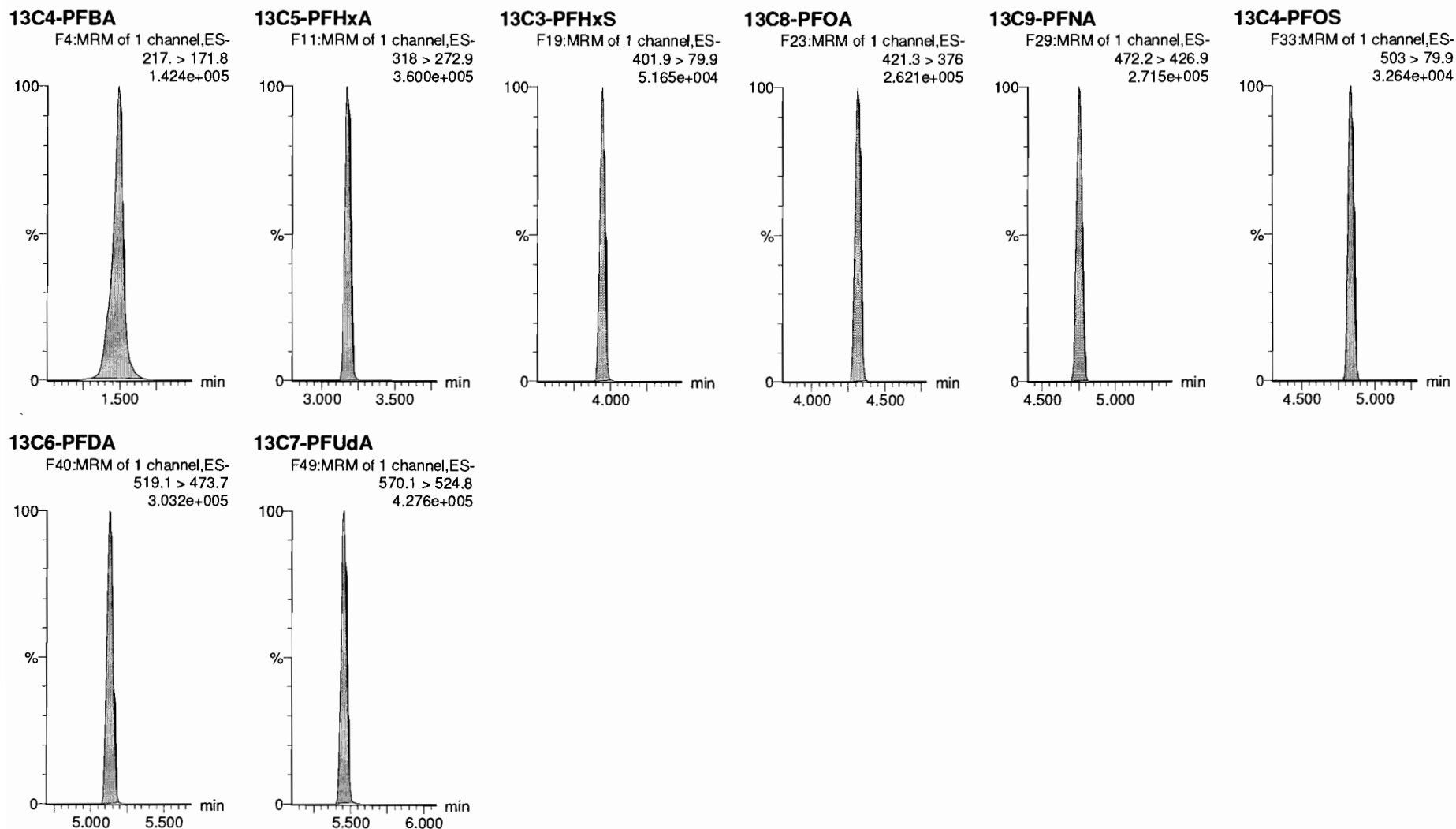


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_3, Date: 28-May-2018, Time: 16:14:14, ID: ST180528M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

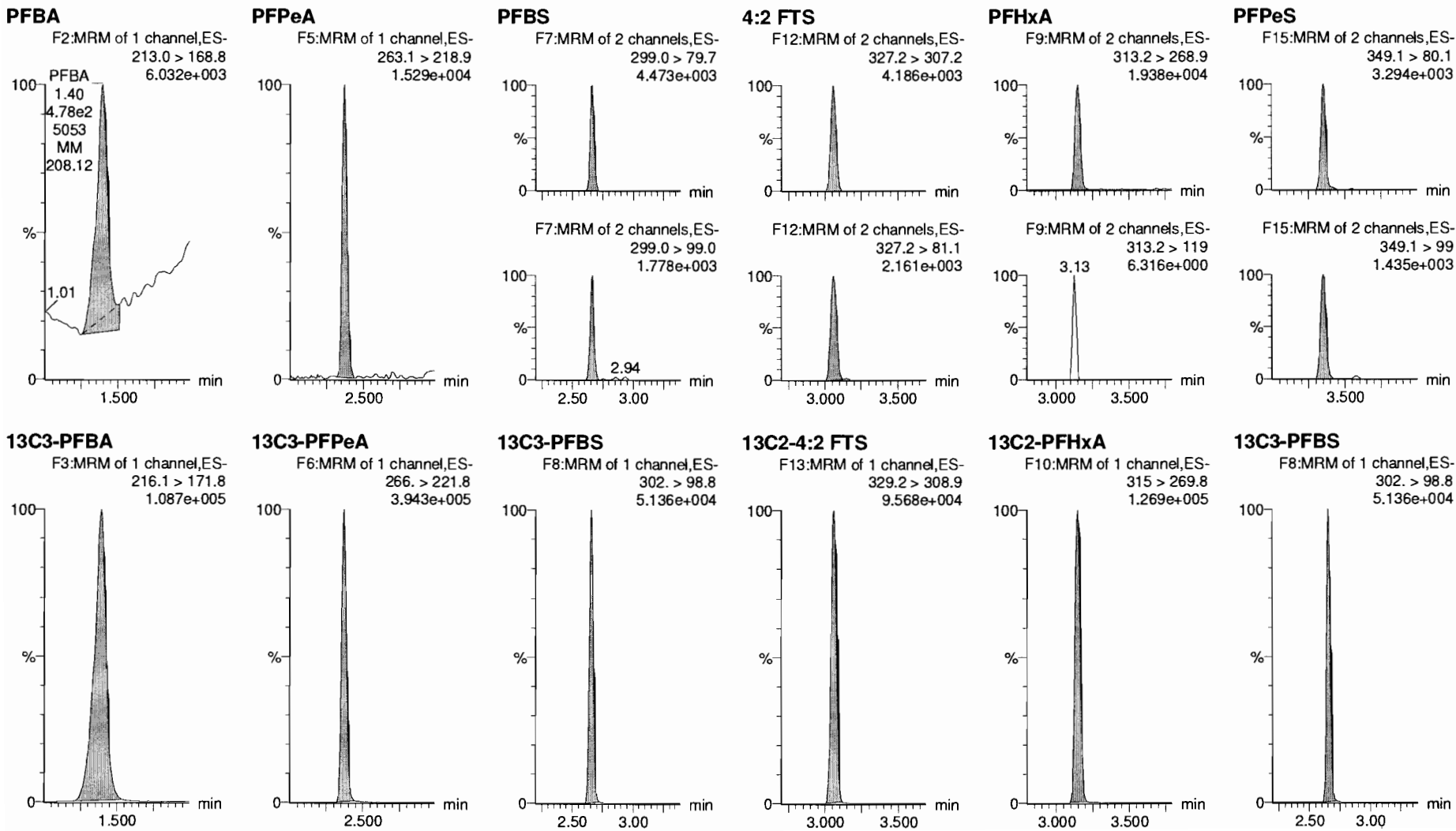


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_4, Date: 28-May-2018, Time: 16:24:43, ID: ST180528M1-2 PFC CS-1 18E2203, Description: PFC CS-1 18E2203

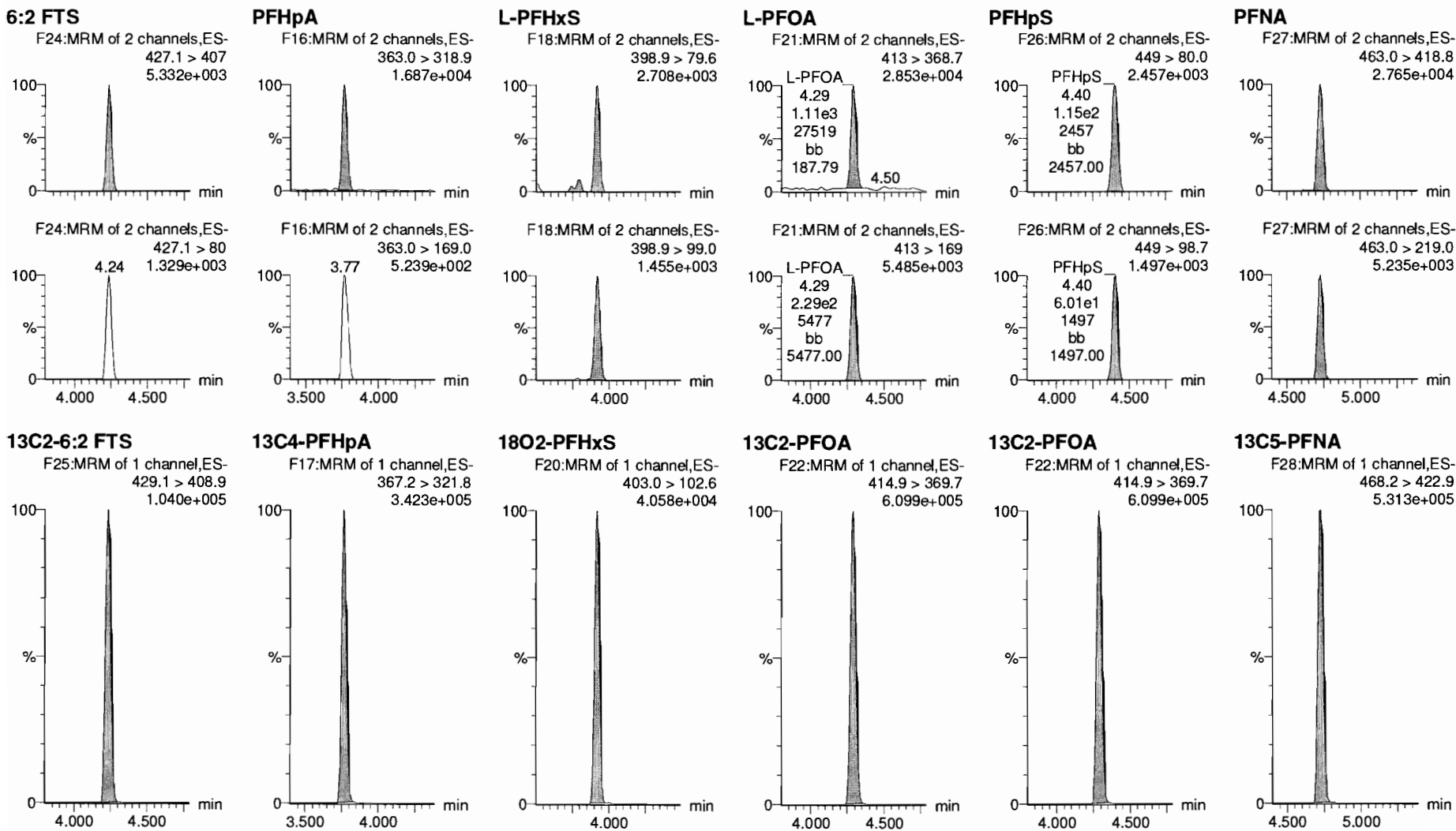


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_4, Date: 28-May-2018, Time: 16:24:43, ID: ST180528M1-2 PFC CS-1 18E2203, Description: PFC CS-1 18E2203

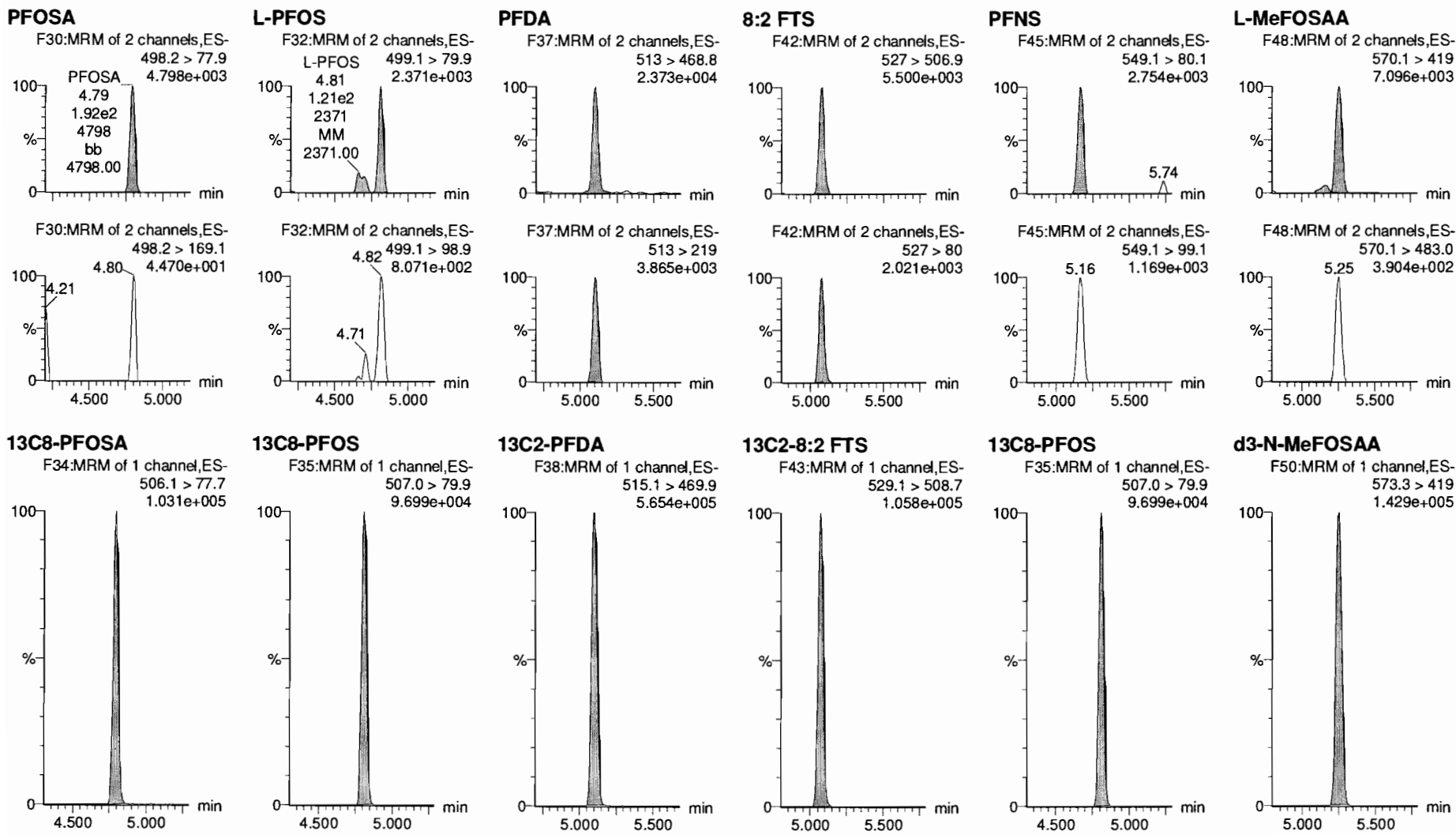


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_4, Date: 28-May-2018, Time: 16:24:43, ID: ST180528M1-2 PFC CS-1 18E2203, Description: PFC CS-1 18E2203

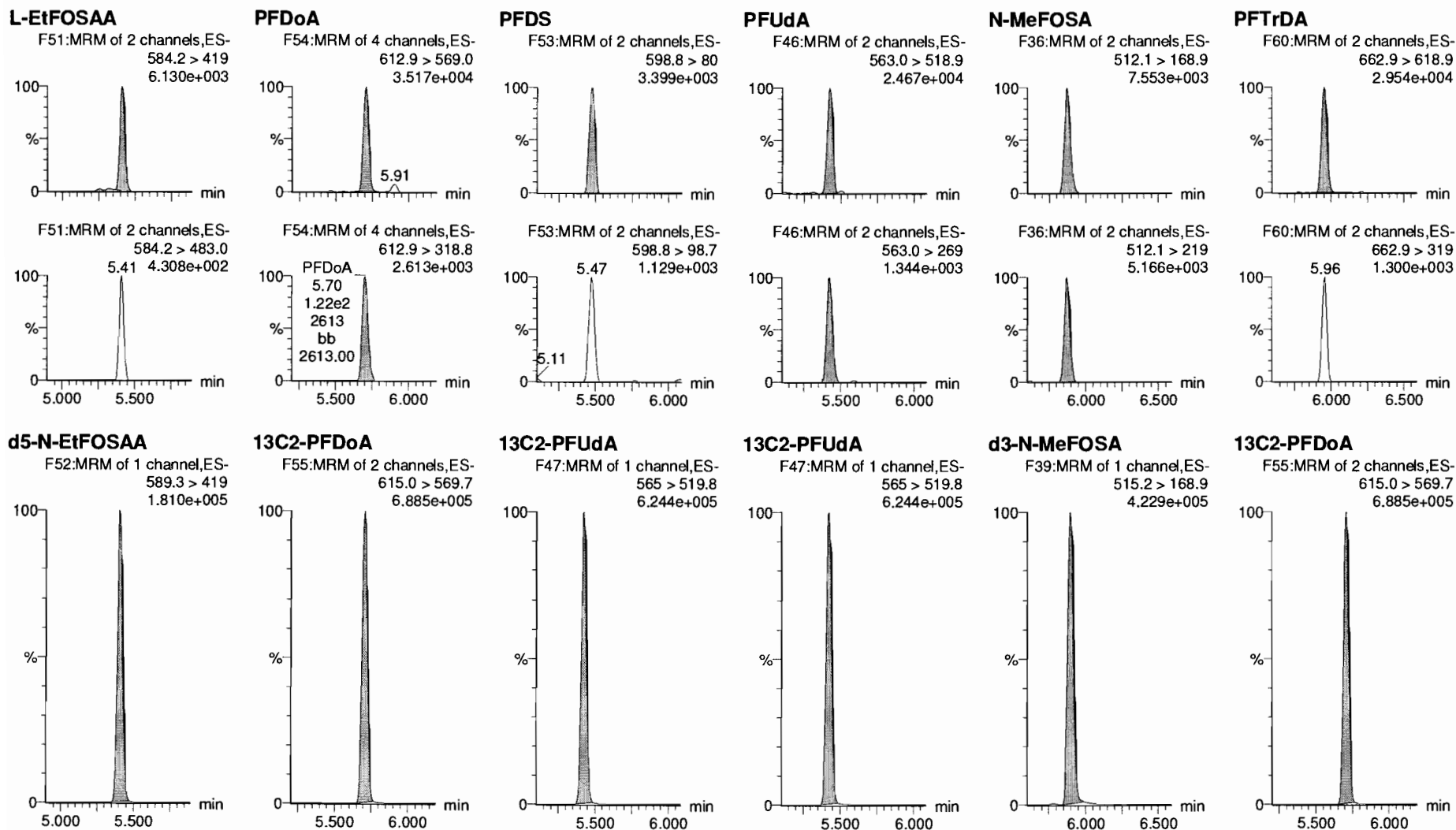


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_4, Date: 28-May-2018, Time: 16:24:43, ID: ST180528M1-2 PFC CS-1 18E2203, Description: PFC CS-1 18E2203

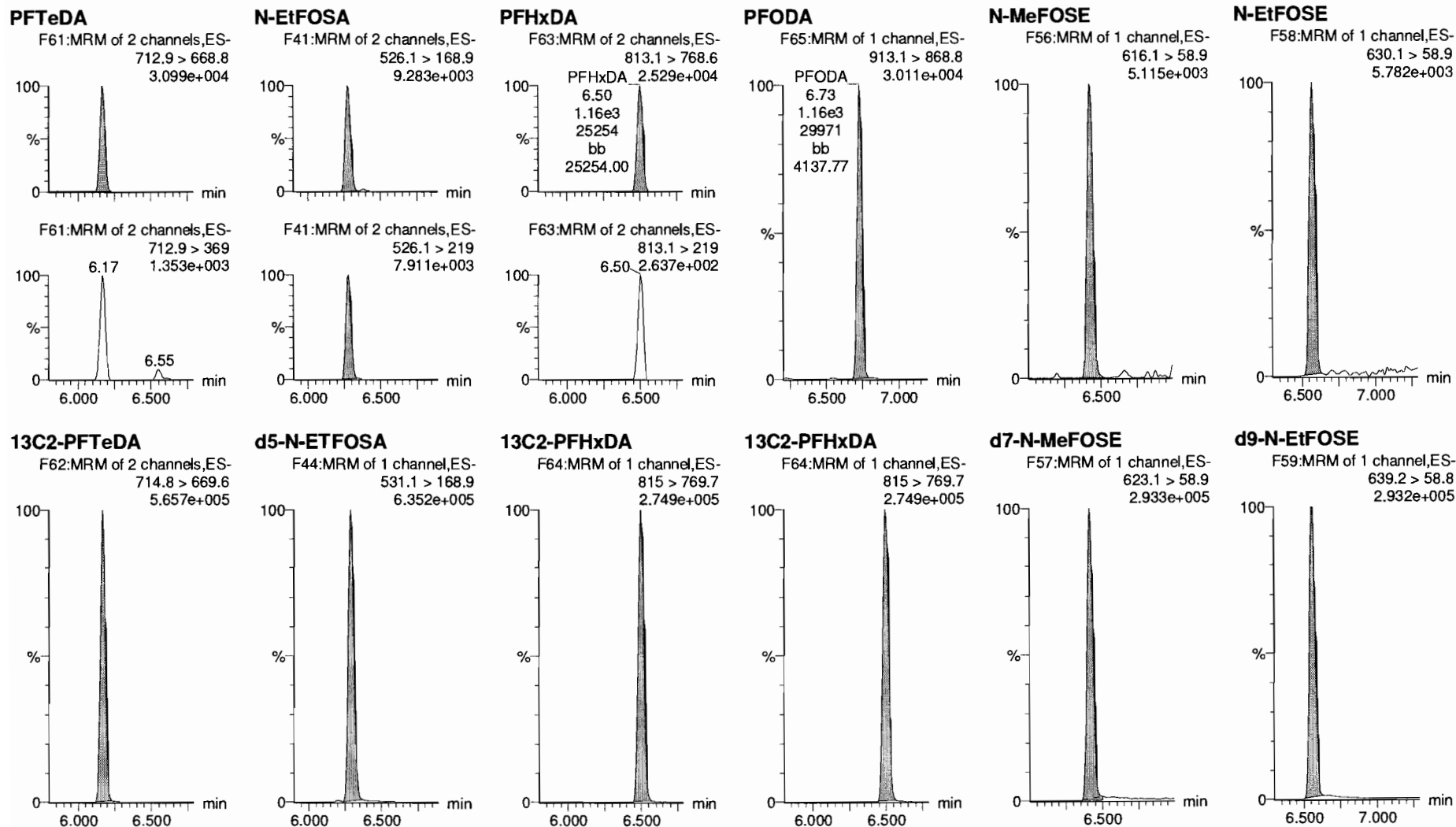


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Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_4, Date: 28-May-2018, Time: 16:24:43, ID: ST180528M1-2 PFC CS-1 18E2203, Description: PFC CS-1 18E2203



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

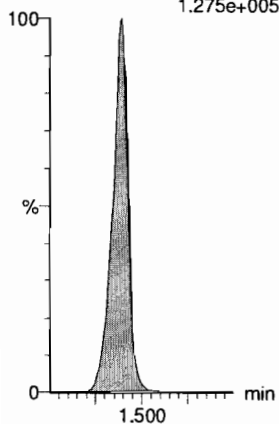
Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_4, Date: 28-May-2018, Time: 16:24:43, ID: ST180528M1-2 PFC CS-1 18E2203, Description: PFC CS-1 18E2203

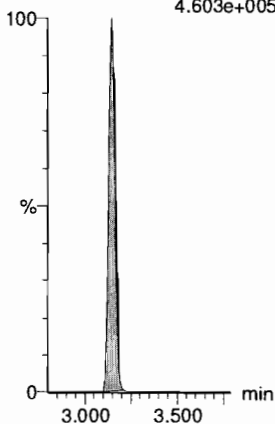
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.275e+005



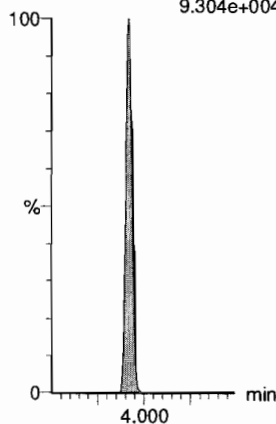
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.603e+005



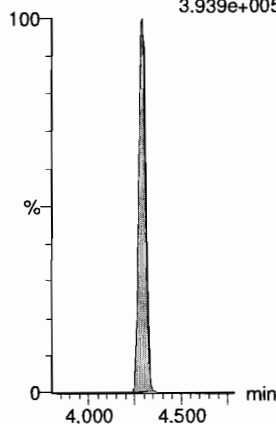
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
9.304e+004



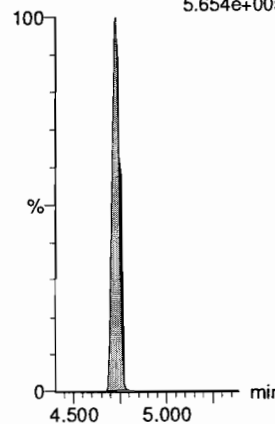
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
3.939e+005



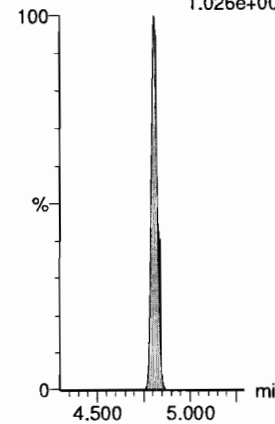
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.654e+005



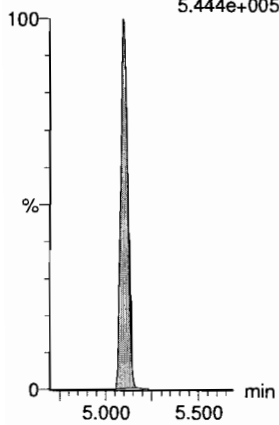
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
1.026e+005



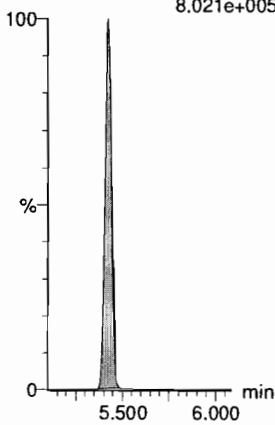
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.444e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
8.021e+005



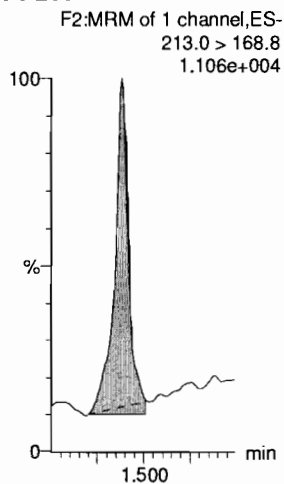
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

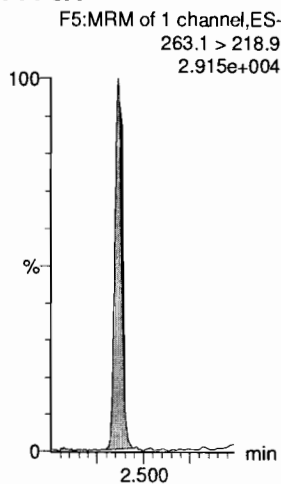
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_5, Date: 28-May-2018, Time: 16:35:07, ID: ST180528M1-3 PFC CS0 18E2204, Description: PFC CS0 18E2204

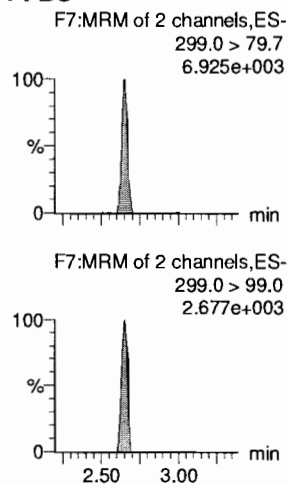
PFBA



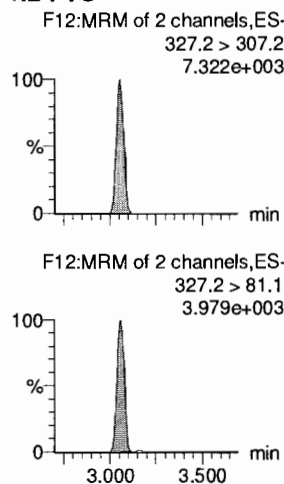
PFPeA



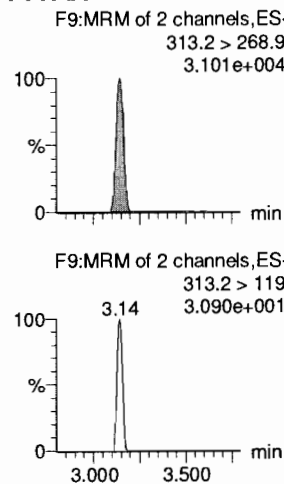
PFBS



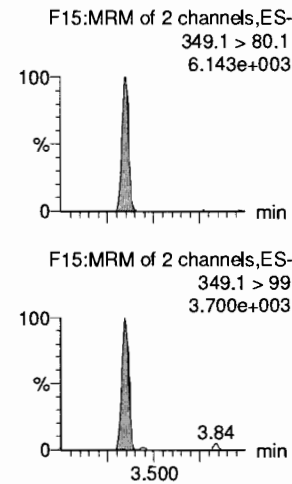
4:2 FTS



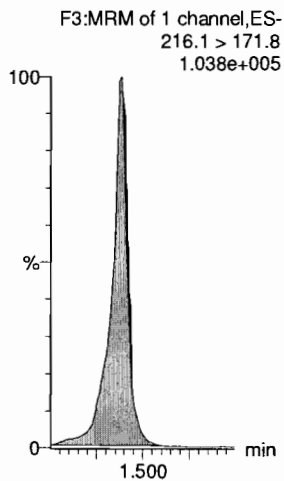
PFHxA



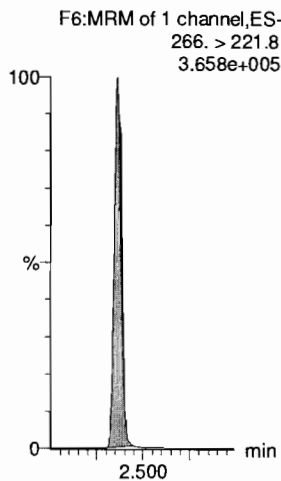
PFPeS



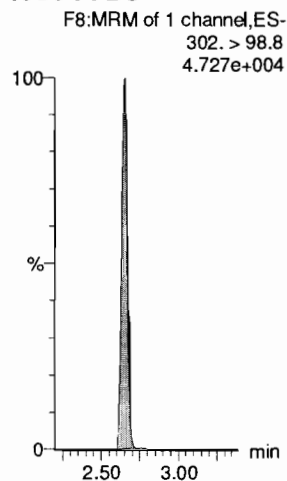
13C3-PFBA



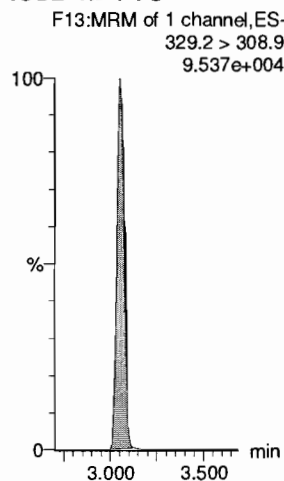
13C3-PFPeA



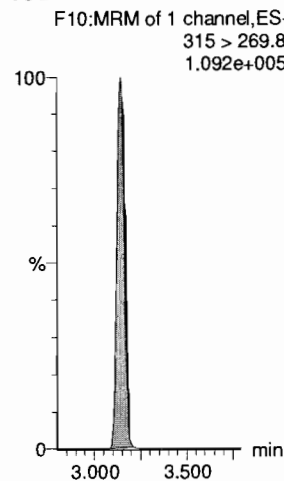
13C3-PFBS



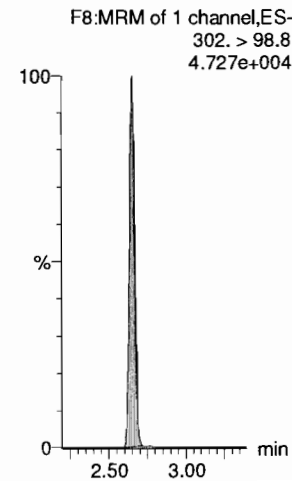
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

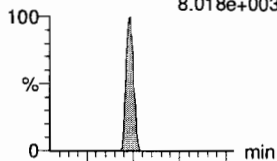
Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

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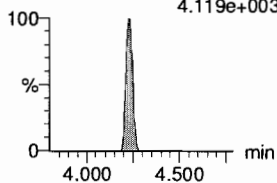
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6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
8.018e+003

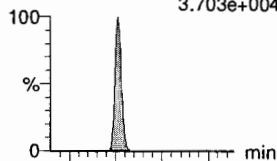


F24:MRM of 2 channels,ES-
427.1 > 80
4.119e+003

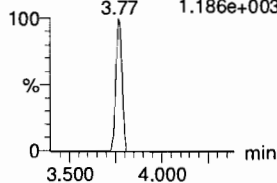


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
3.703e+004

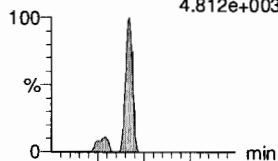


F16:MRM of 2 channels,ES-
363.0 > 169.0
1.186e+003

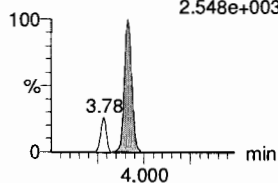


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
4.812e+003

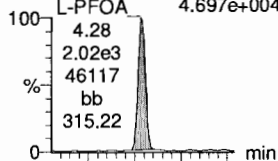


F18:MRM of 2 channels,ES-
398.9 > 99.0
2.548e+003

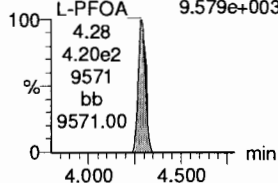


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
4.697e+004

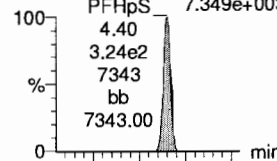


F21:MRM of 2 channels,ES-
413 > 169
9.579e+003

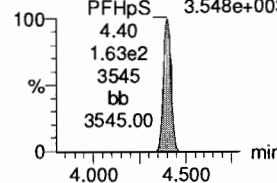


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
7.349e+003

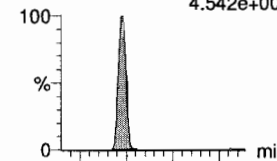


F26:MRM of 2 channels,ES-
449 > 98.7
3.548e+003

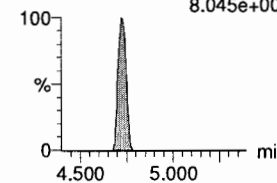


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
4.542e+004

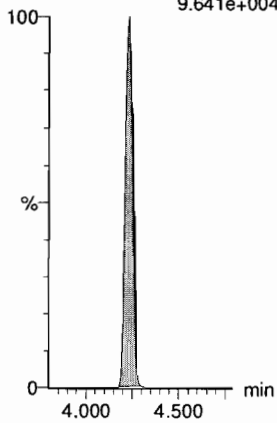


F27:MRM of 2 channels,ES-
463.0 > 219.0
8.045e+003



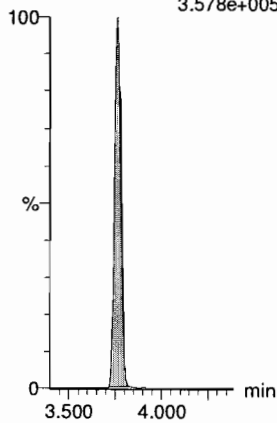
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
9.641e+004



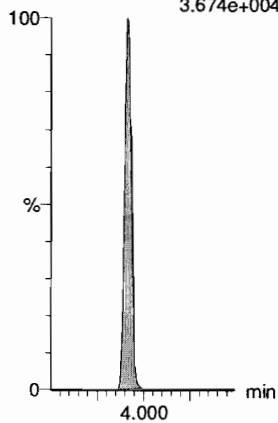
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
3.578e+005



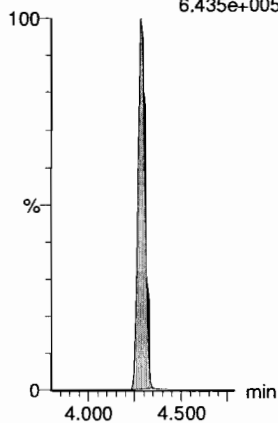
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
3.674e+004



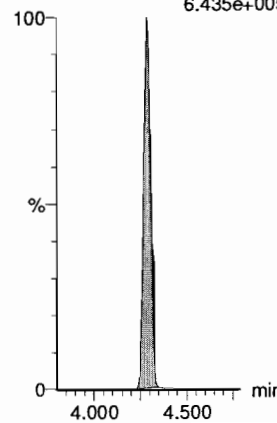
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
6.435e+005



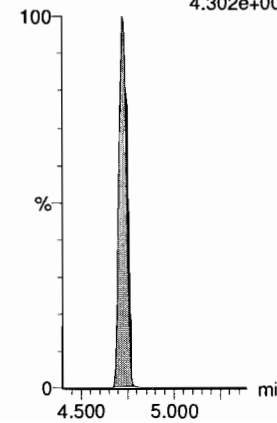
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
6.435e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
4.302e+005



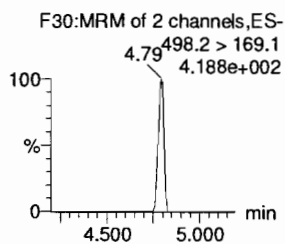
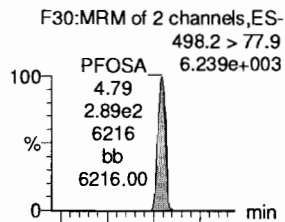
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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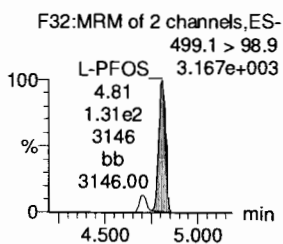
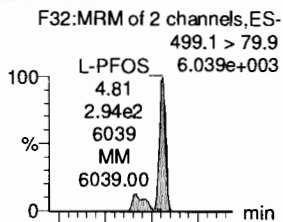
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Name: 180528M1_5, Date: 28-May-2018, Time: 16:35:07, ID: ST180528M1-3 PFC CS0 18E2204, Description: PFC CS0 18E2204

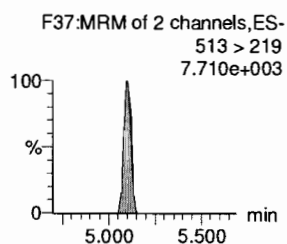
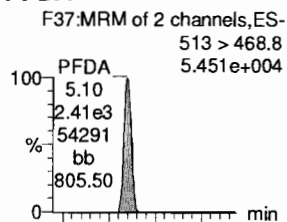
PFOSA



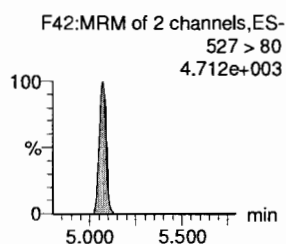
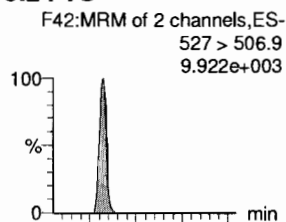
L-PFOS



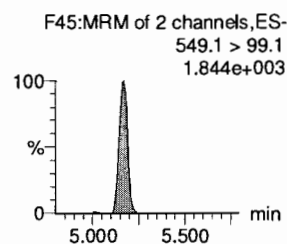
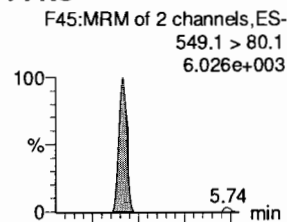
PFDA



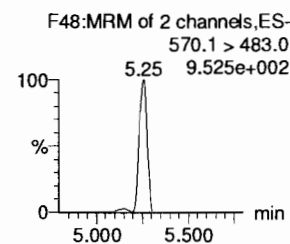
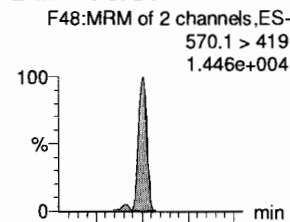
8:2 FTS



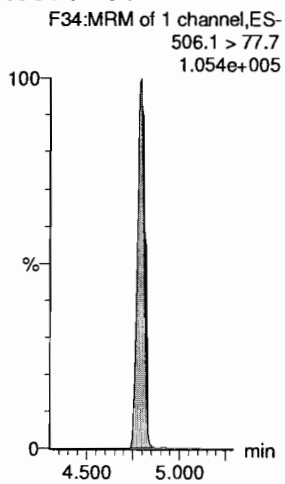
PFNS



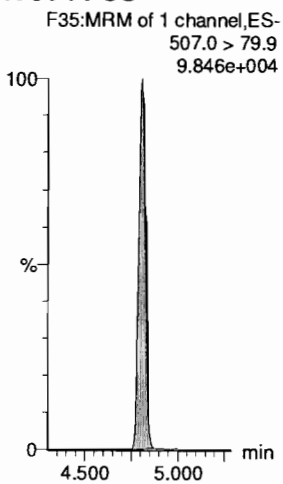
L-MeFOSAA



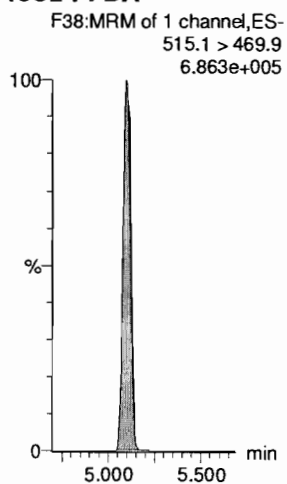
13C8-PFOSA



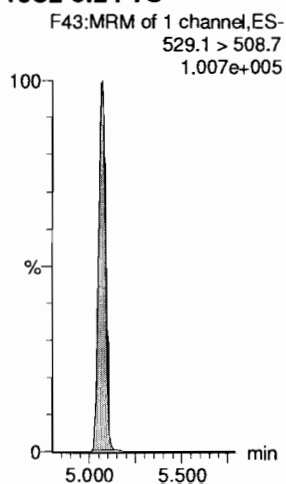
13C8-PFOS



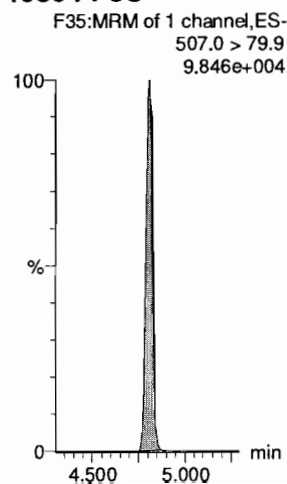
13C2-PFDA



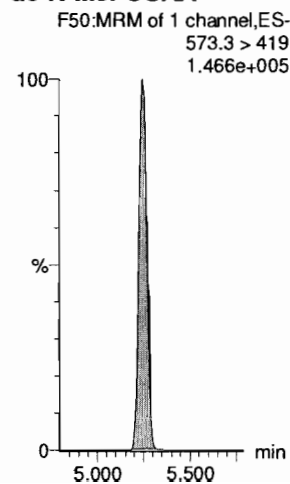
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



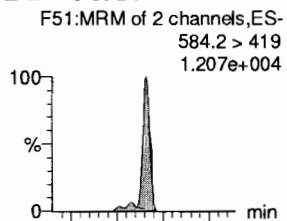
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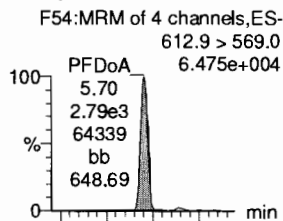
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Name: 180528M1_5, Date: 28-May-2018, Time: 16:35:07, ID: ST180528M1-3 PFC CS0 18E2204, Description: PFC CS0 18E2204

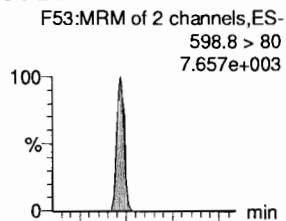
L-EtFOSAA



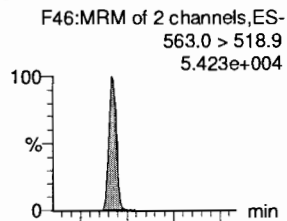
PFDoA



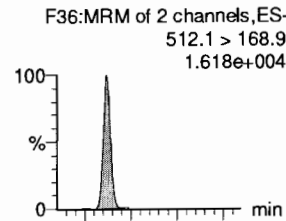
PFDS



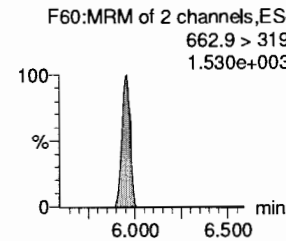
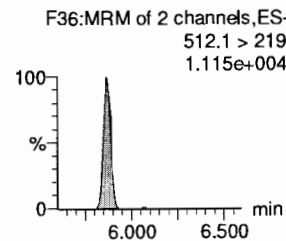
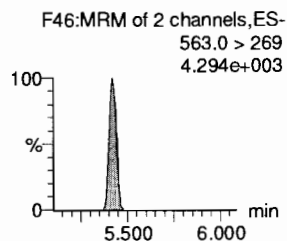
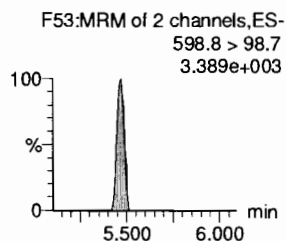
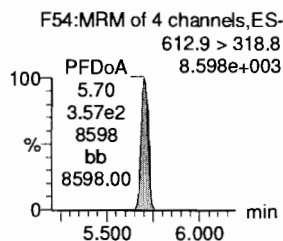
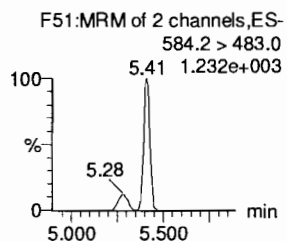
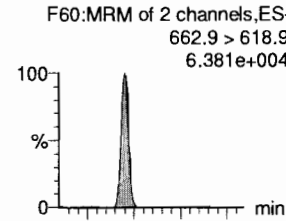
PFUdA



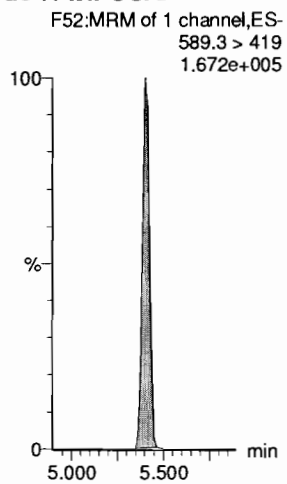
N-MeFOSA



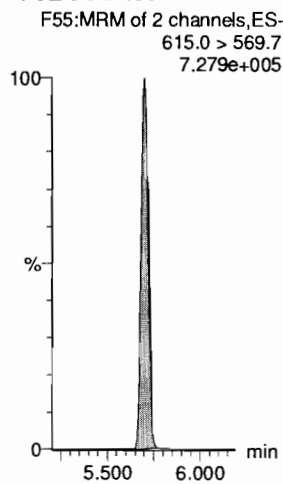
PFTrDA



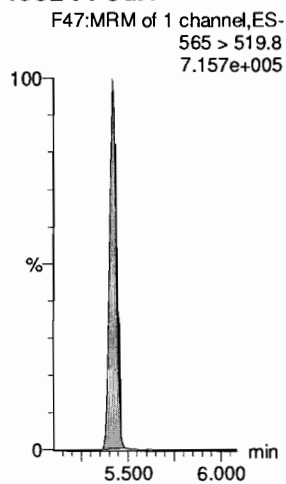
d5-N-EtFOSAA



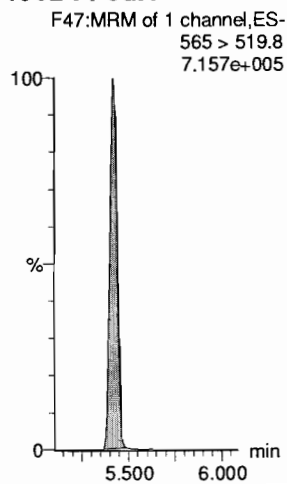
13C2-PFDoA



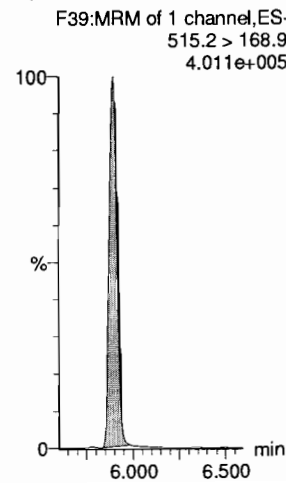
13C2-PFUdA



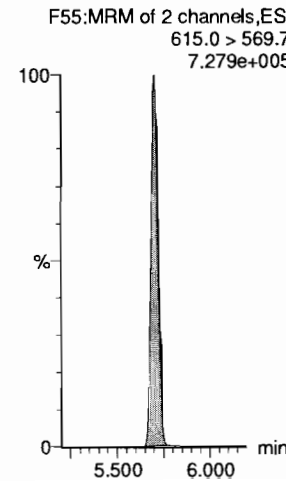
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

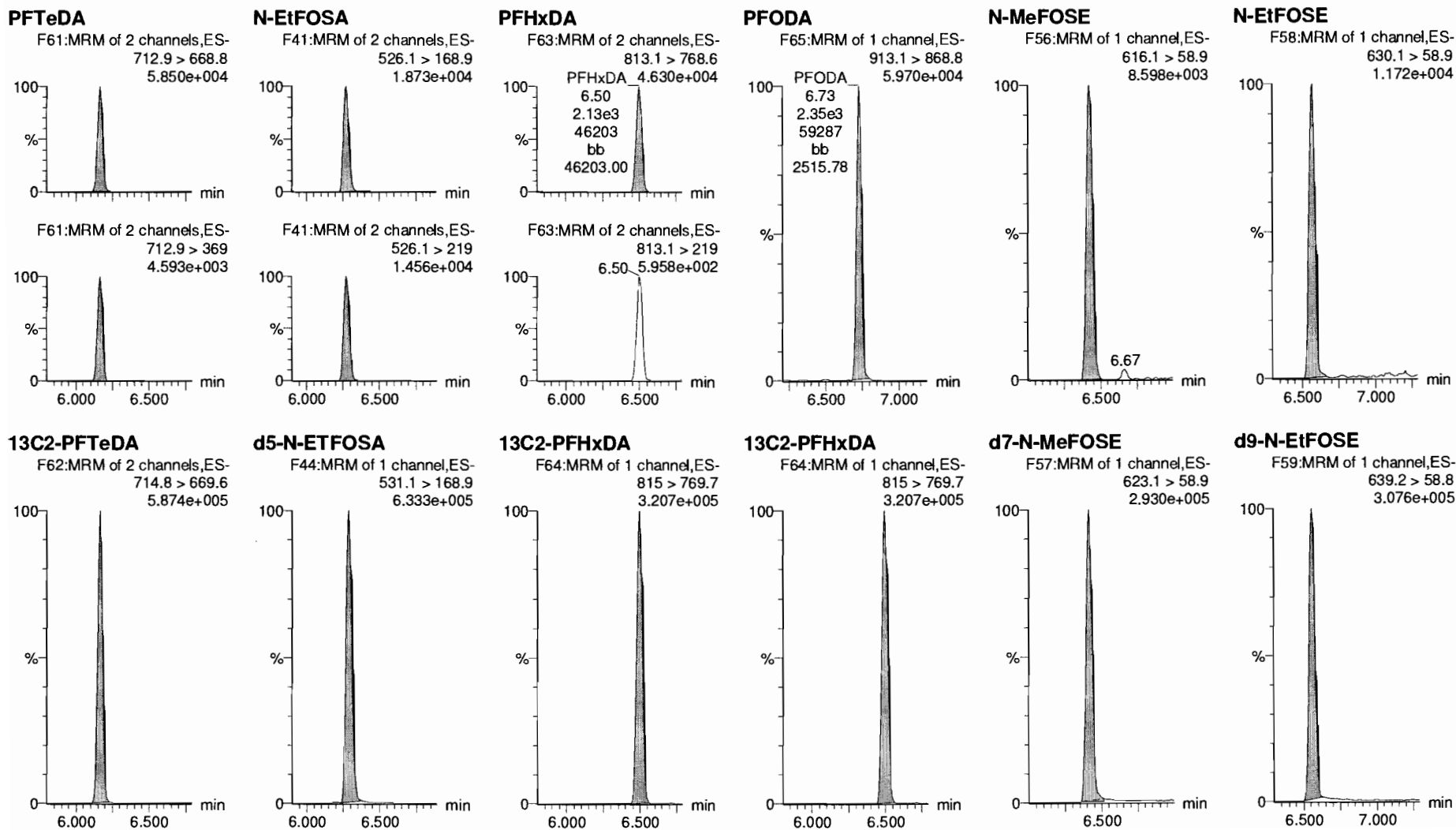


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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Name: 180528M1_5, Date: 28-May-2018, Time: 16:35:07, ID: ST180528M1-3 PFC CS0 18E2204, Description: PFC CS0 18E2204



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

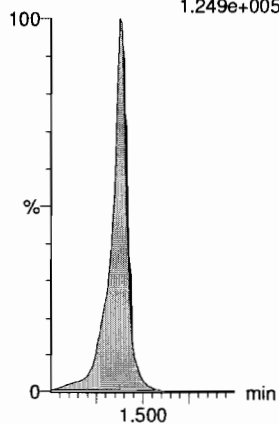
Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_5, Date: 28-May-2018, Time: 16:35:07, ID: ST180528M1-3 PFC CS0 18E2204, Description: PFC CS0 18E2204

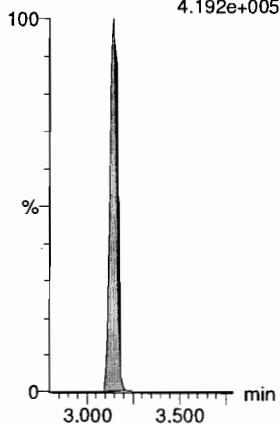
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.249e+005



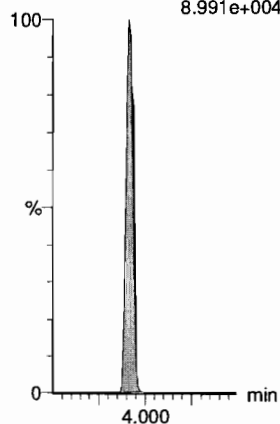
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.192e+005



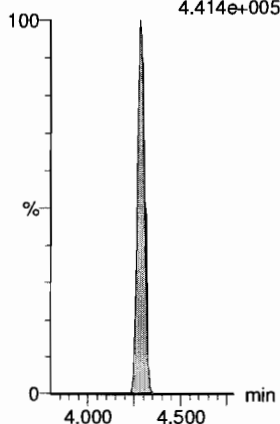
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
8.991e+004



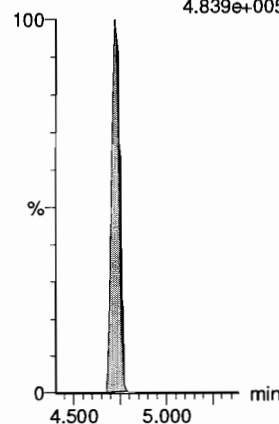
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
4.414e+005



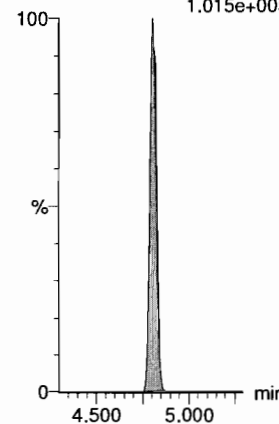
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.839e+005



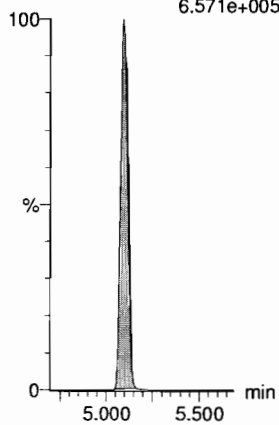
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
1.015e+005



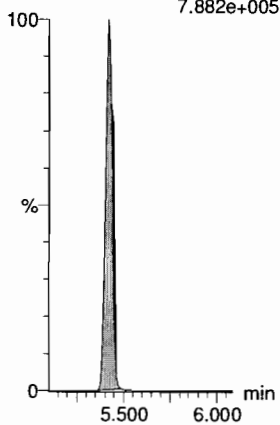
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
6.571e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
7.882e+005

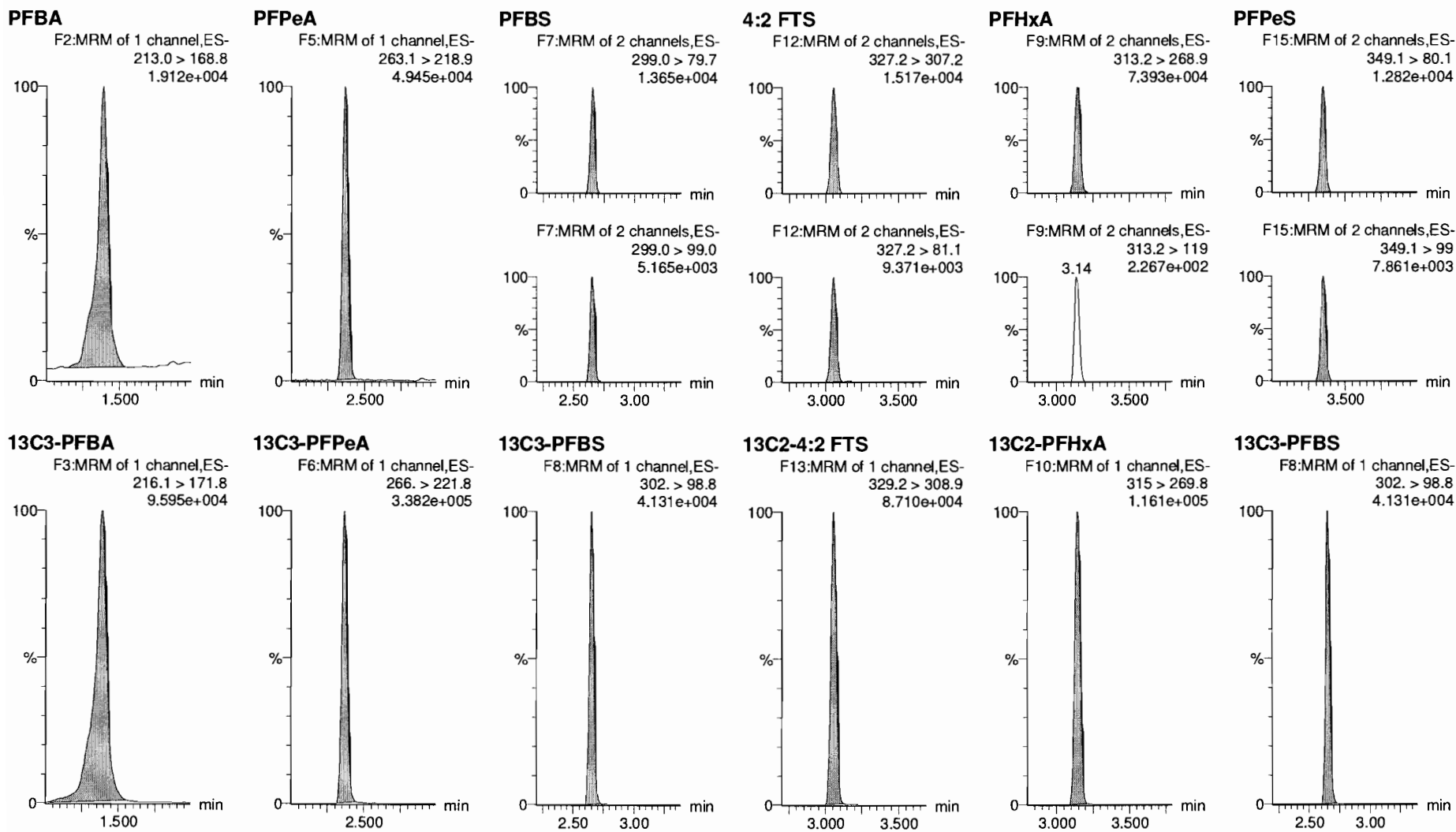


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Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

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Name: 180528M1_6, Date: 28-May-2018, Time: 16:45:38, ID: ST180528M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205



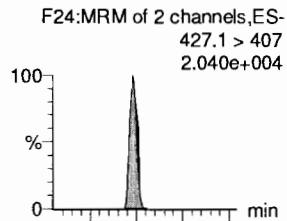
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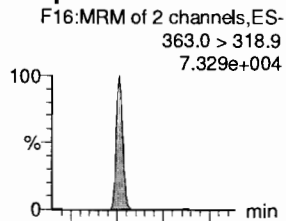
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_6, Date: 28-May-2018, Time: 16:45:38, ID: ST180528M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205

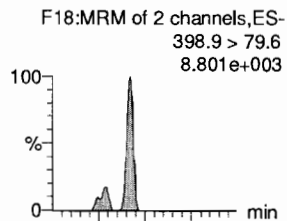
6:2 FTS



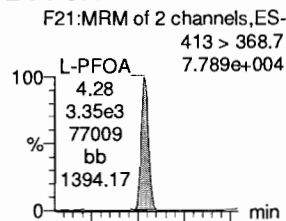
PFHpA



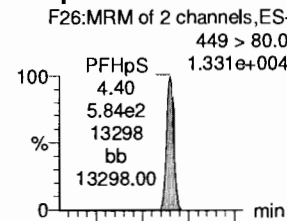
L-PFHxS



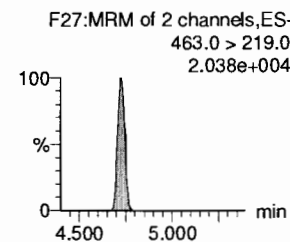
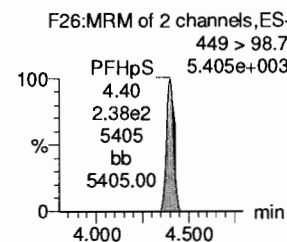
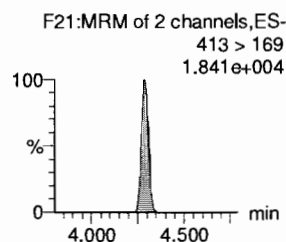
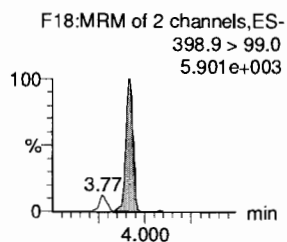
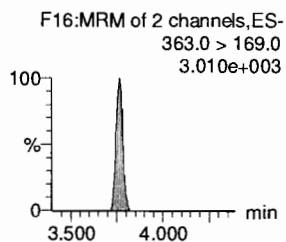
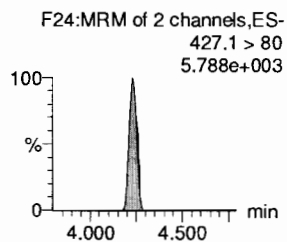
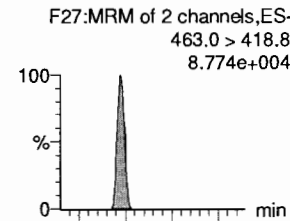
L-PFOA



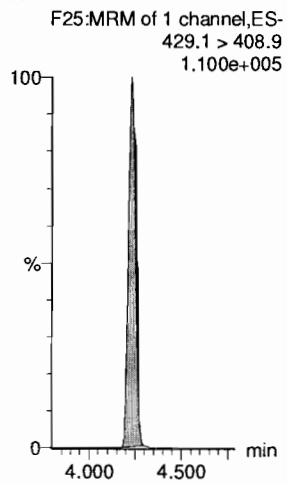
PFHpS



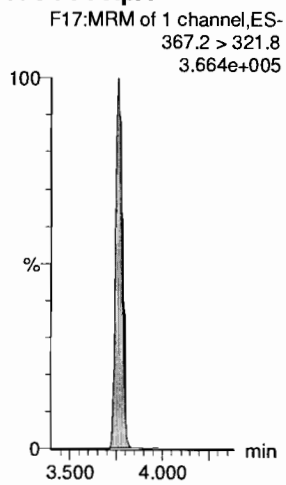
PFNA



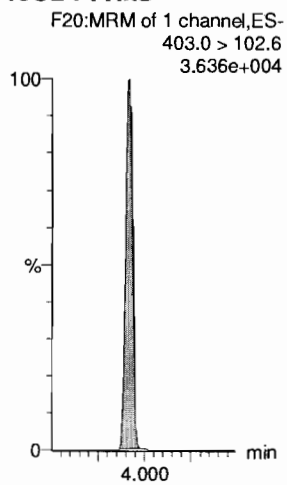
13C2-6:2 FTS



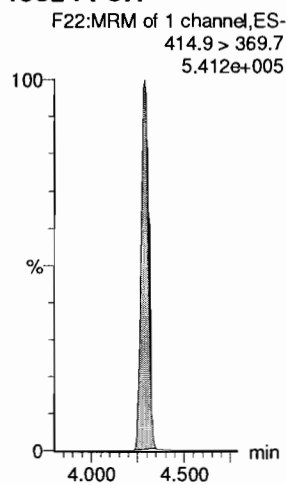
13C4-PFHpA



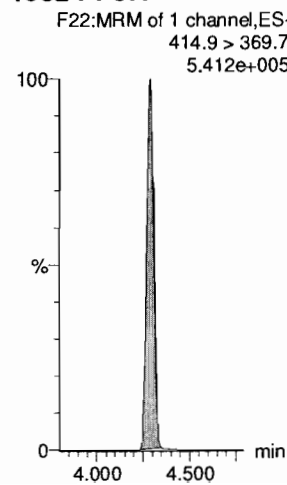
18O2-PFHxS



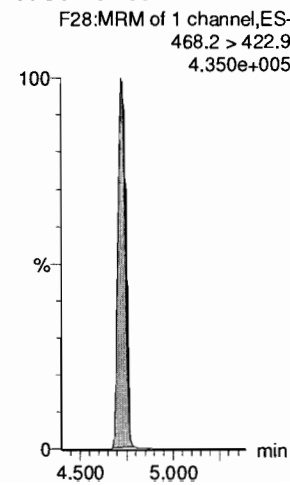
13C2-PFOA



13C2-PFOA



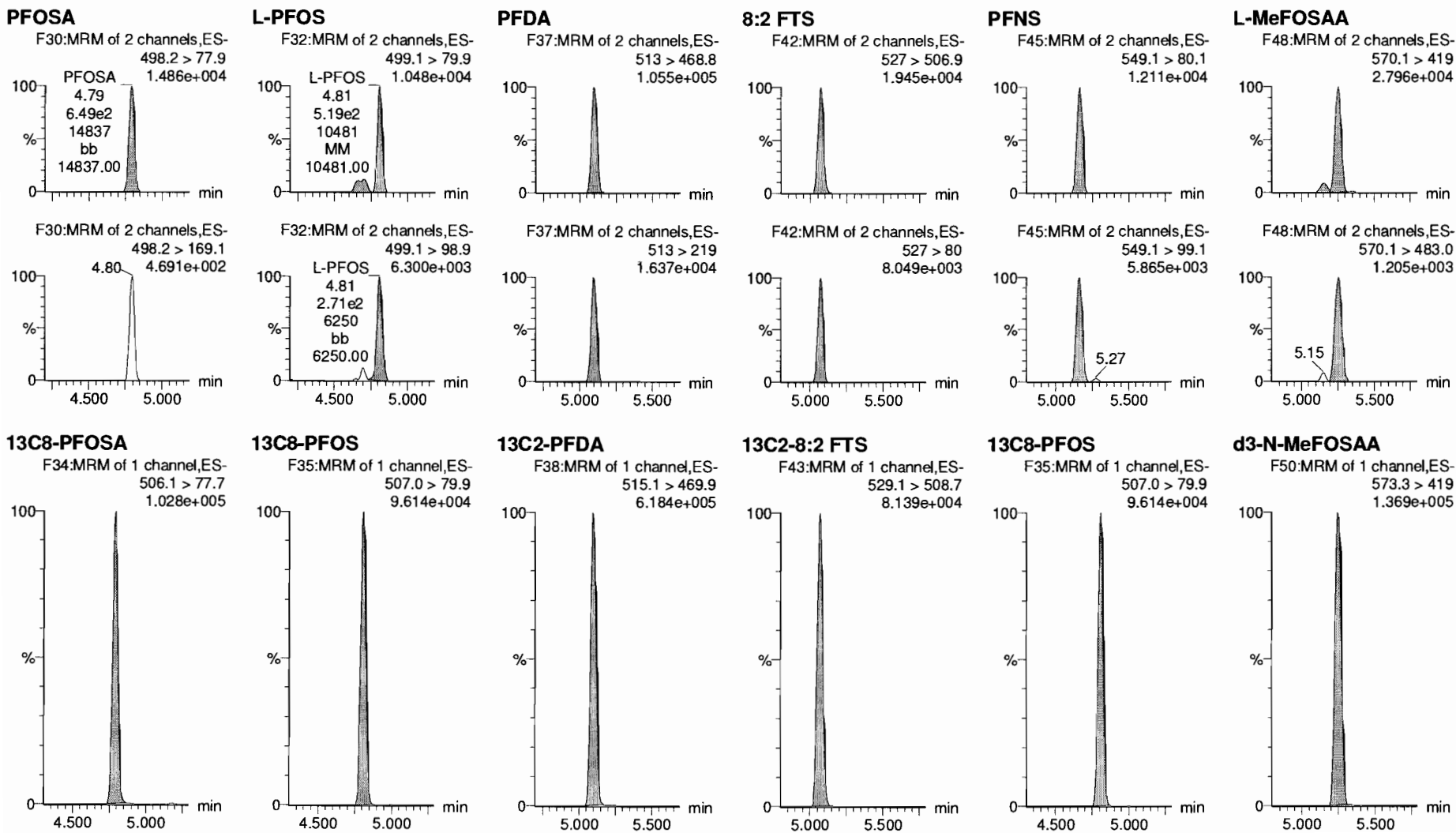
13C5-PFNA



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Name: 180528M1_6, Date: 28-May-2018, Time: 16:45:38, ID: ST180528M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205

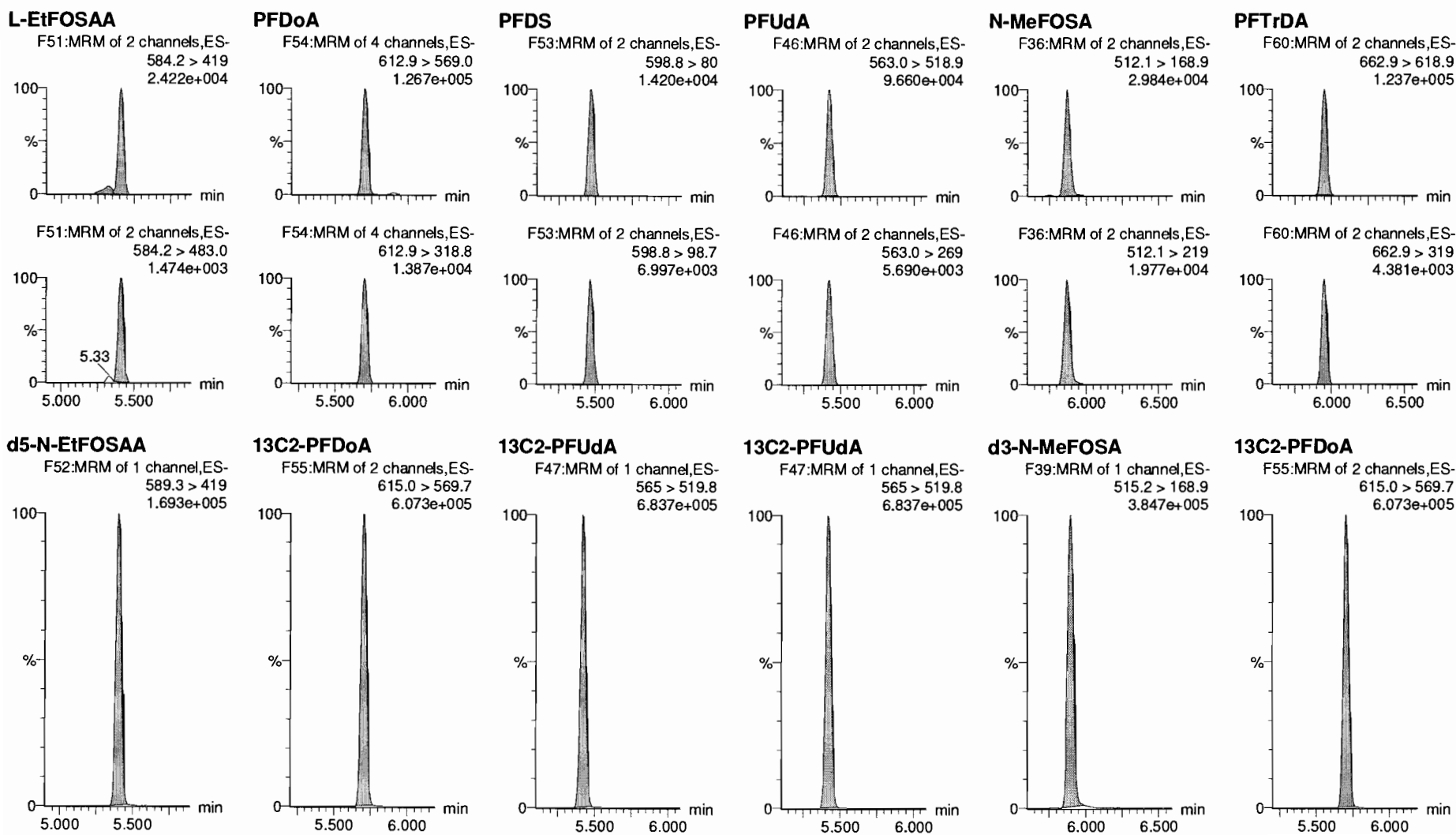


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

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Name: 180528M1_6, Date: 28-May-2018, Time: 16:45:38, ID: ST180528M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205

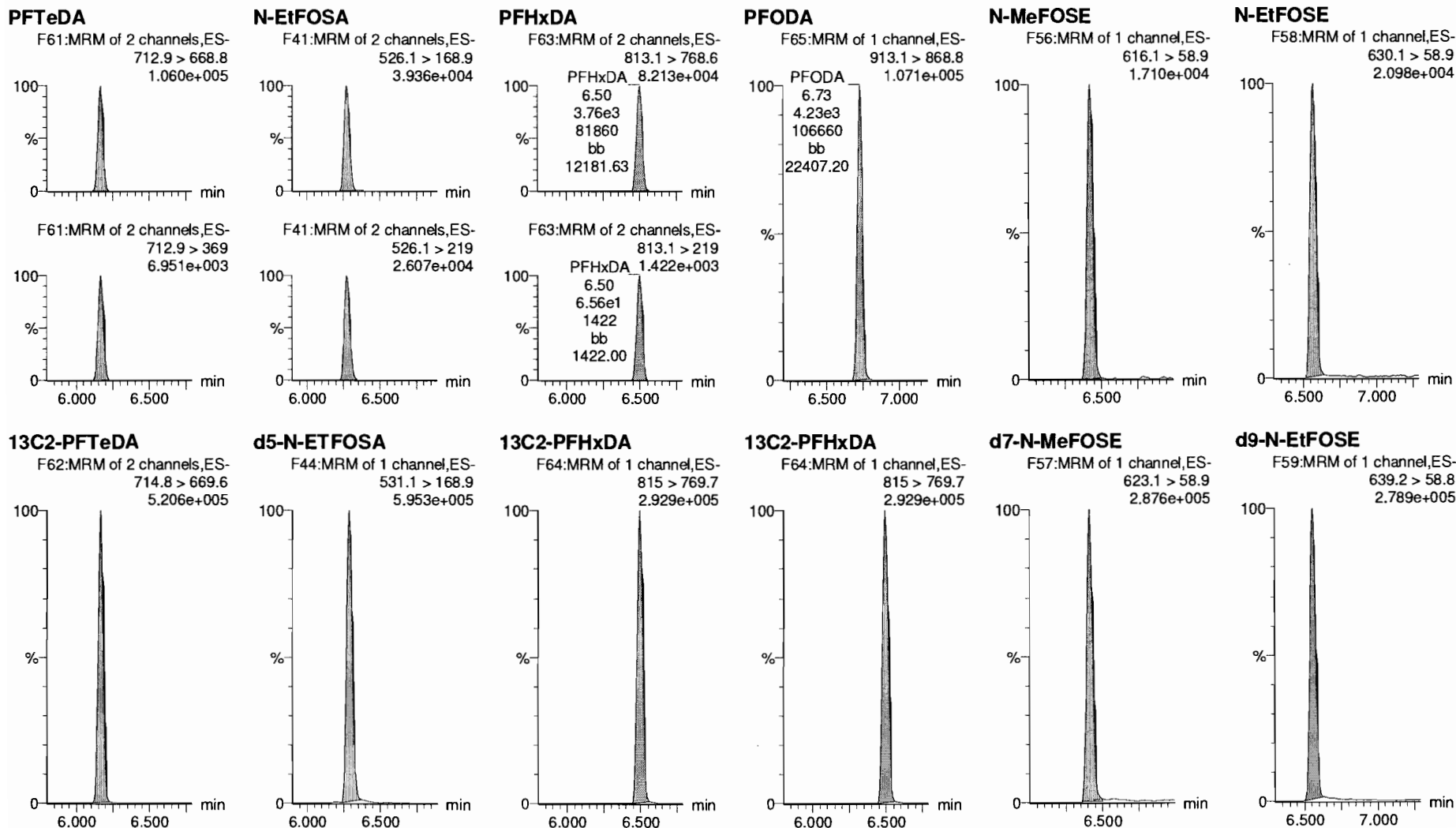


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Name: 180528M1_6, Date: 28-May-2018, Time: 16:45:38, ID: ST180528M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205

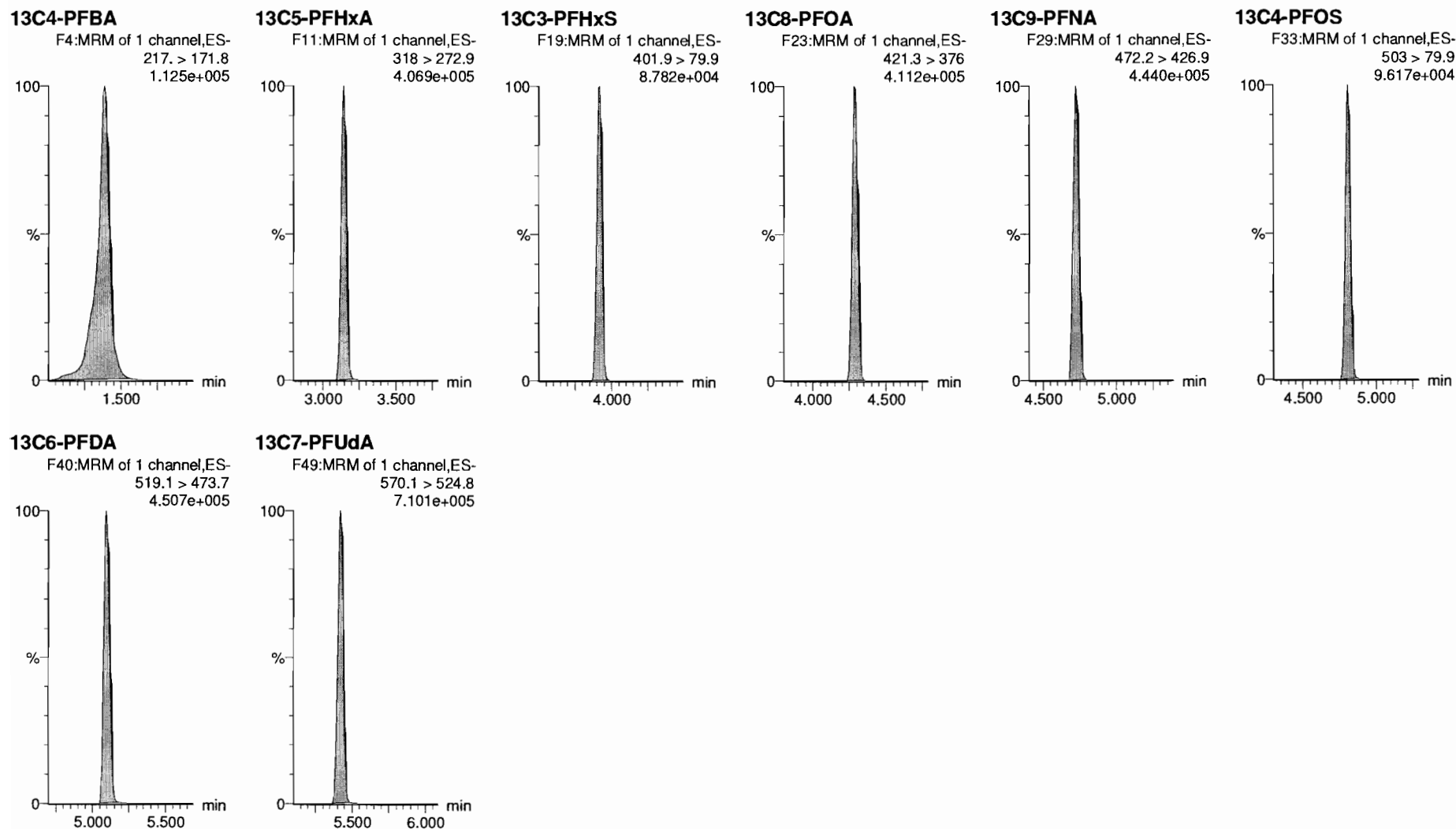


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Name: 180528M1_6, Date: 28-May-2018, Time: 16:45:38, ID: ST180528M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205

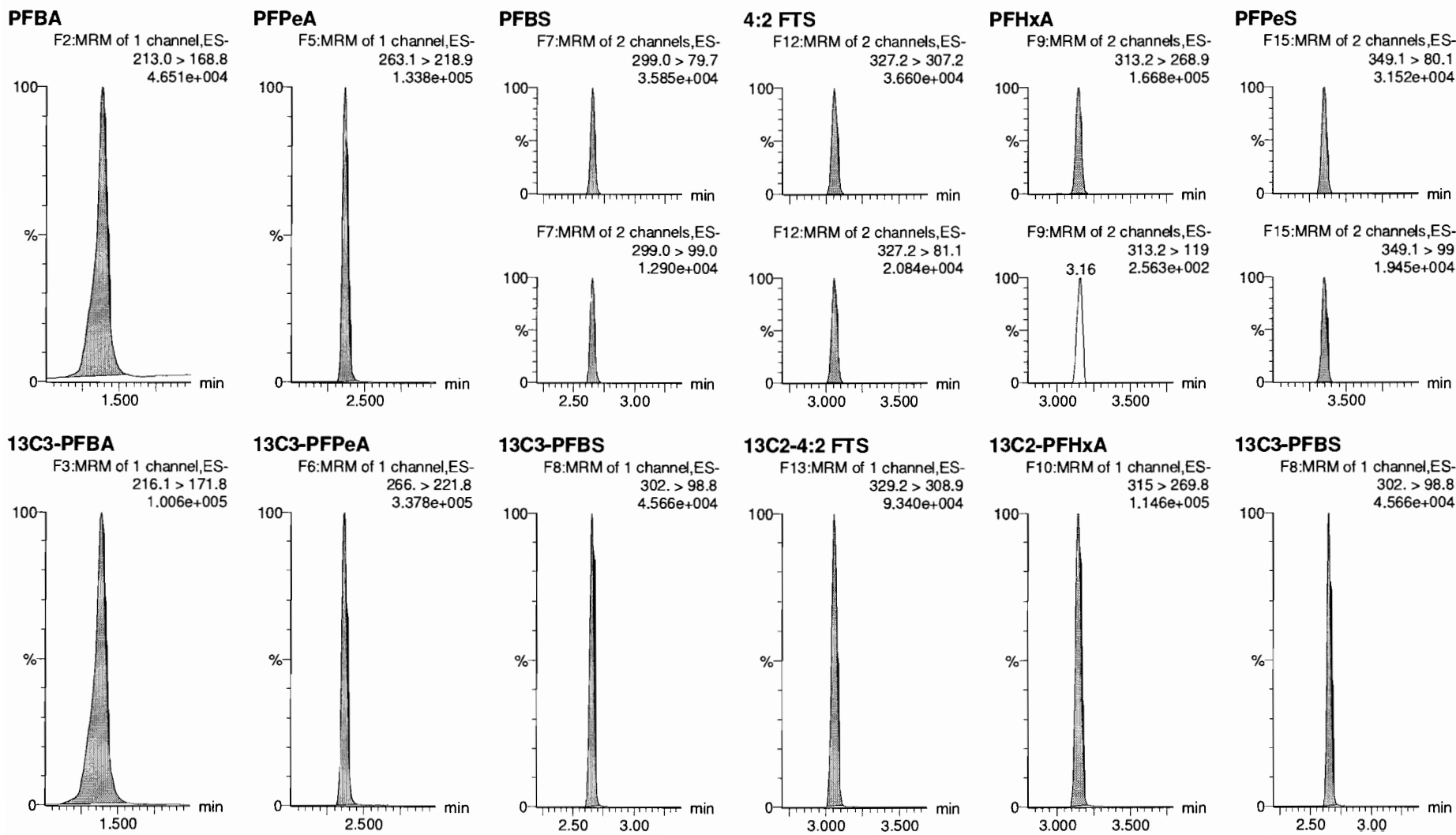


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Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

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Name: 180528M1_7, Date: 28-May-2018, Time: 16:56:03, ID: ST180528M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206

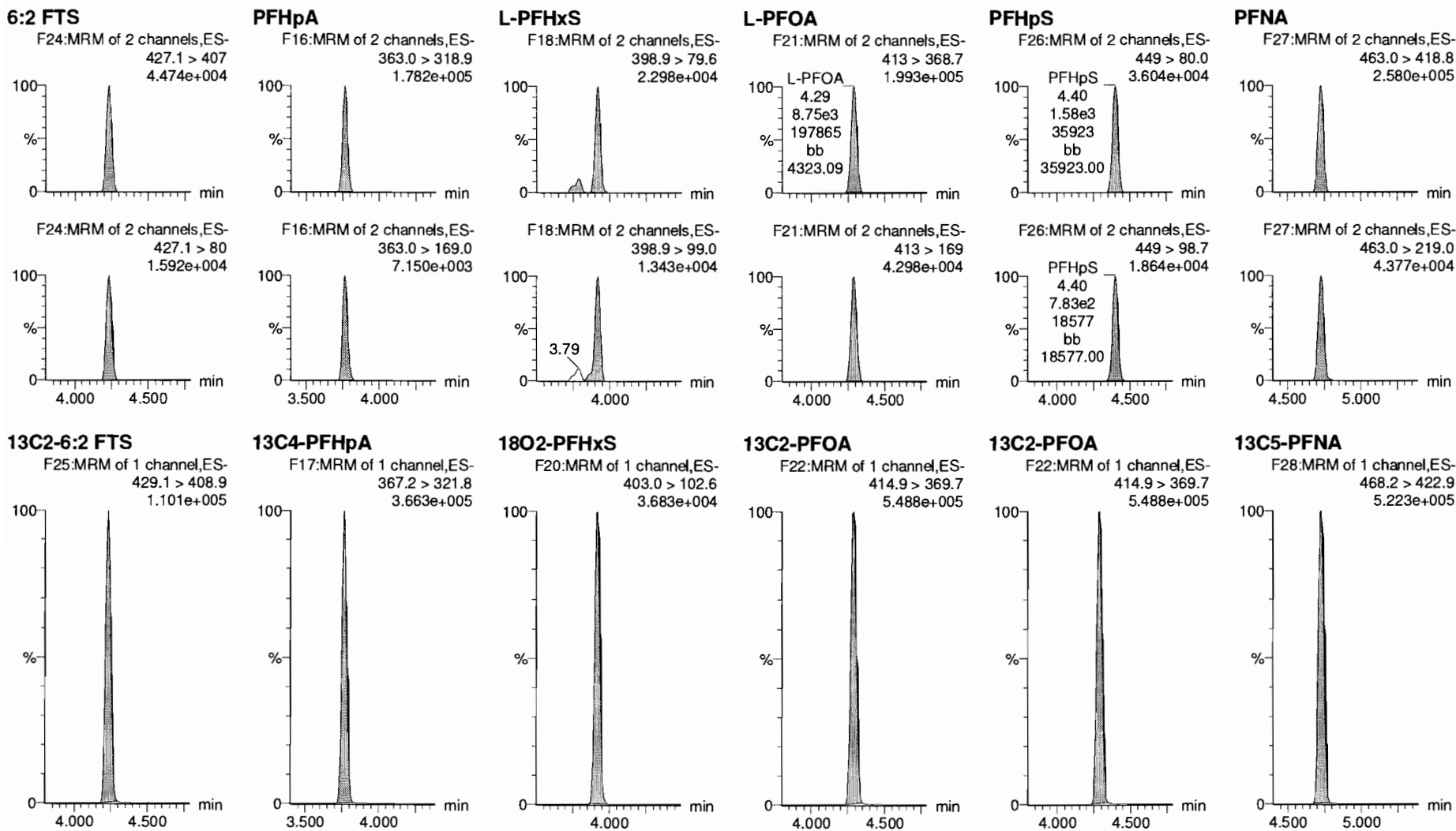


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

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Name: 180528M1_7, Date: 28-May-2018, Time: 16:56:03, ID: ST180528M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206



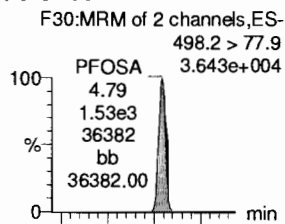
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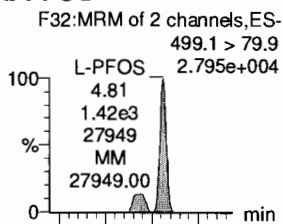
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_7, Date: 28-May-2018, Time: 16:56:03, ID: ST180528M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206

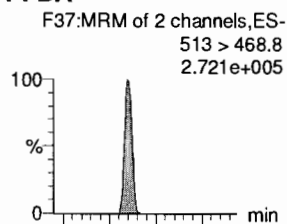
PFOSA



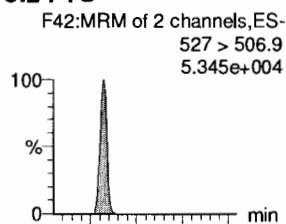
L-PFOS



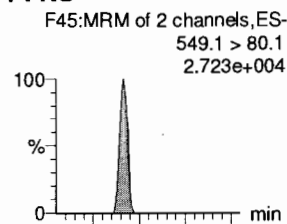
PFDA



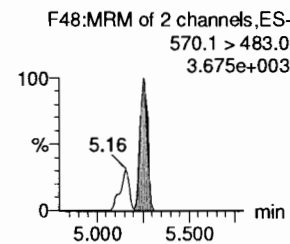
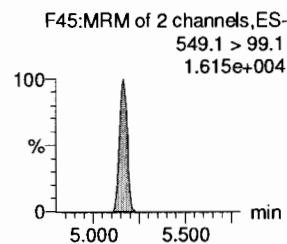
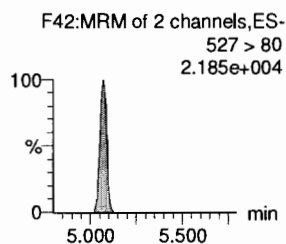
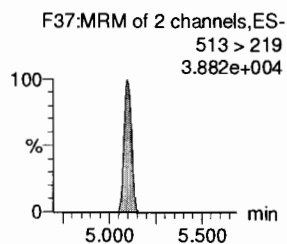
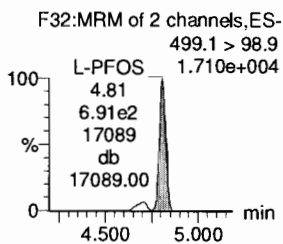
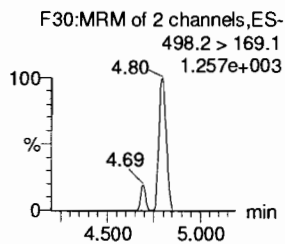
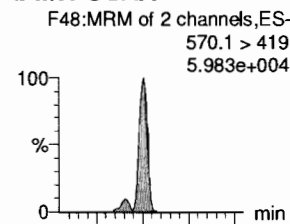
8:2 FTS



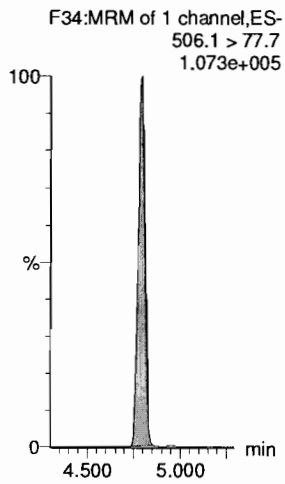
PFNS



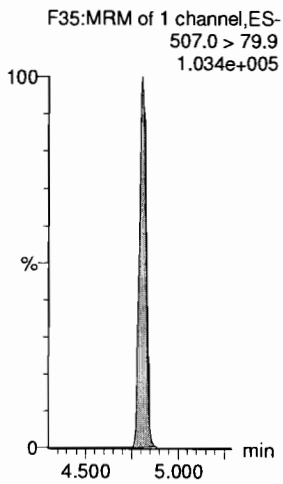
L-MeFOSAA



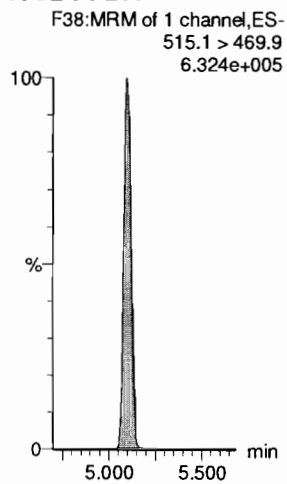
13C8-PFOSA



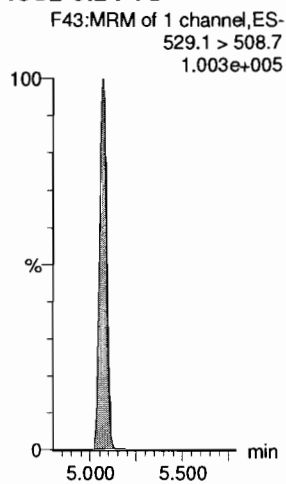
13C8-PFOS



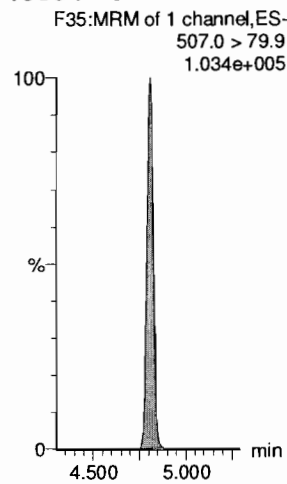
13C2-PFDA



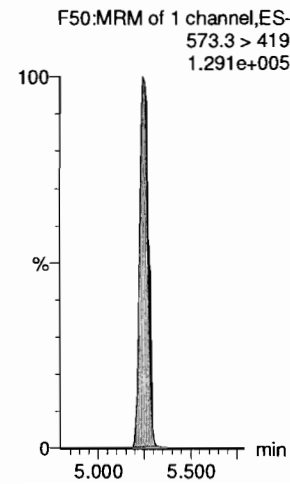
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

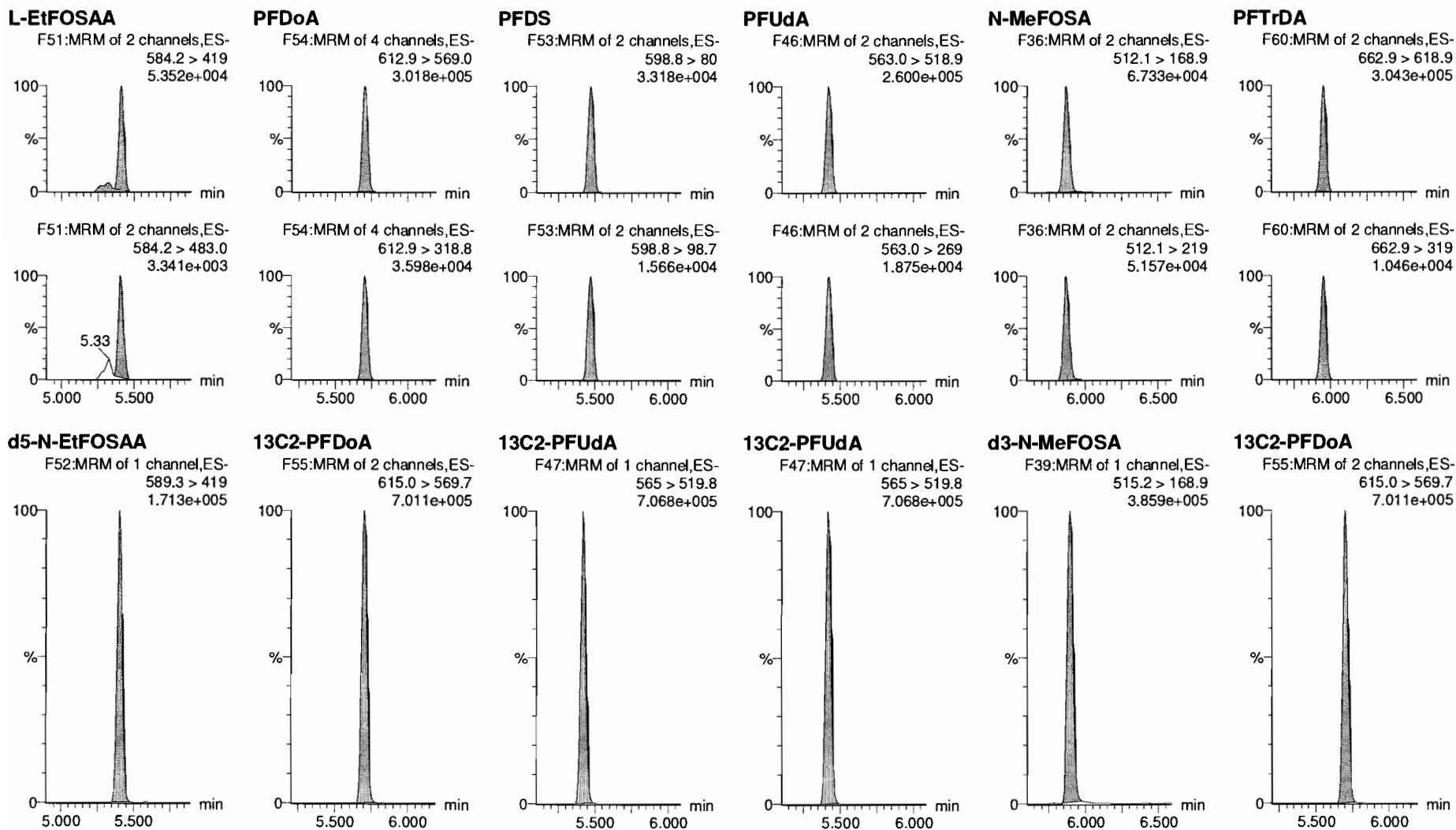


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

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Name: 180528M1_7, Date: 28-May-2018, Time: 16:56:03, ID: ST180528M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206

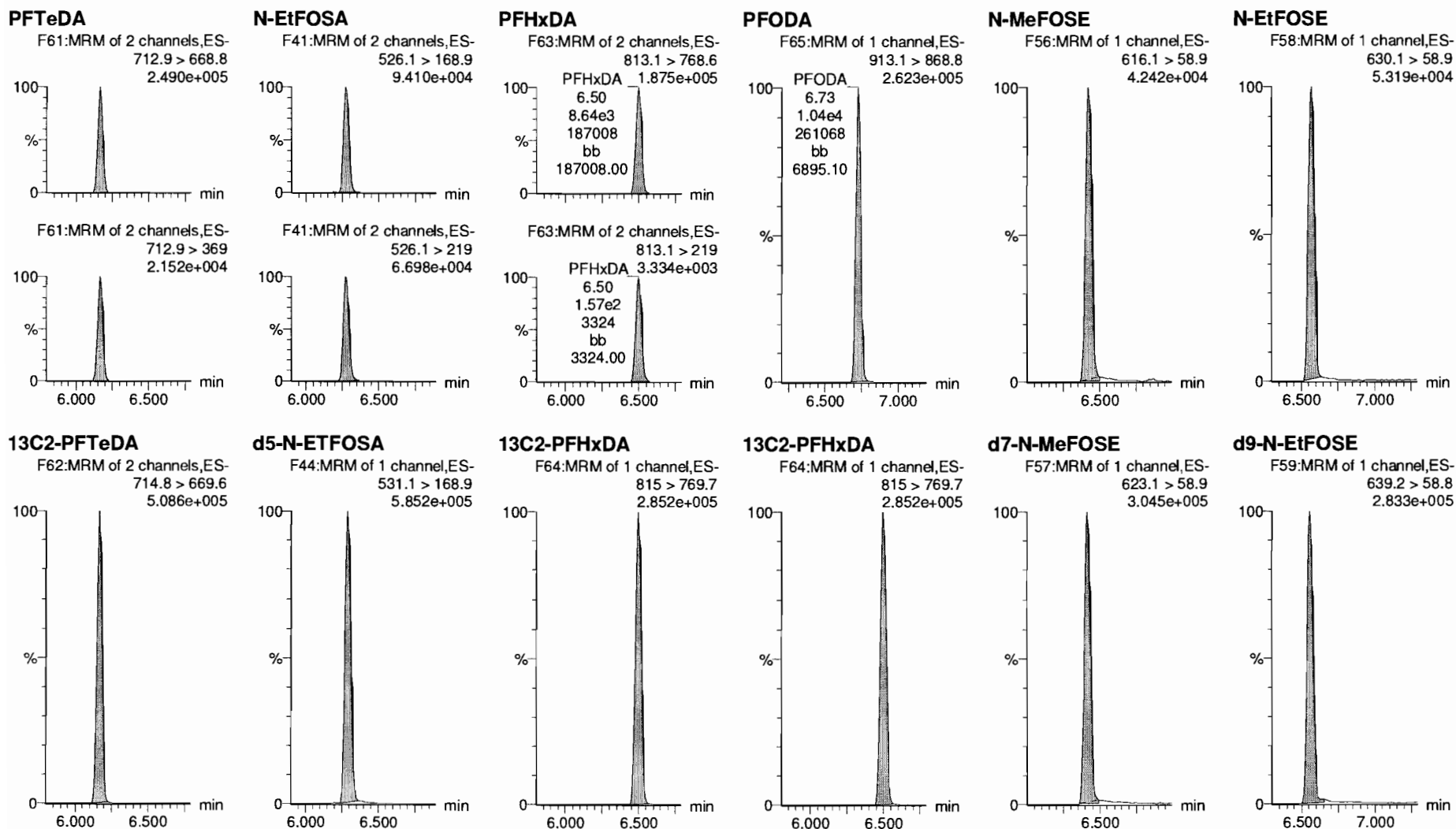


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_7, Date: 28-May-2018, Time: 16:56:03, ID: ST180528M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206

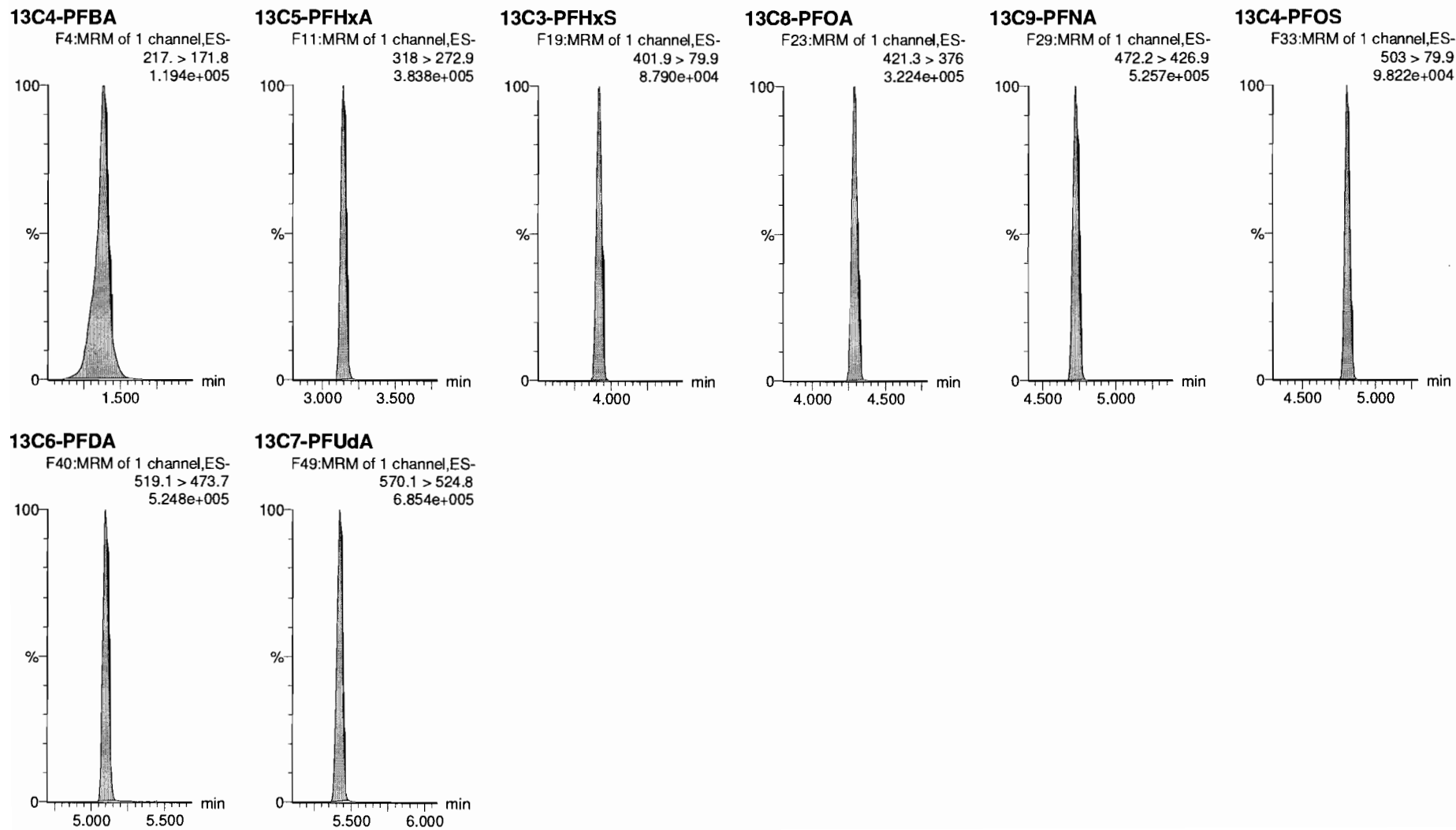


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_7, Date: 28-May-2018, Time: 16:56:03, ID: ST180528M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206

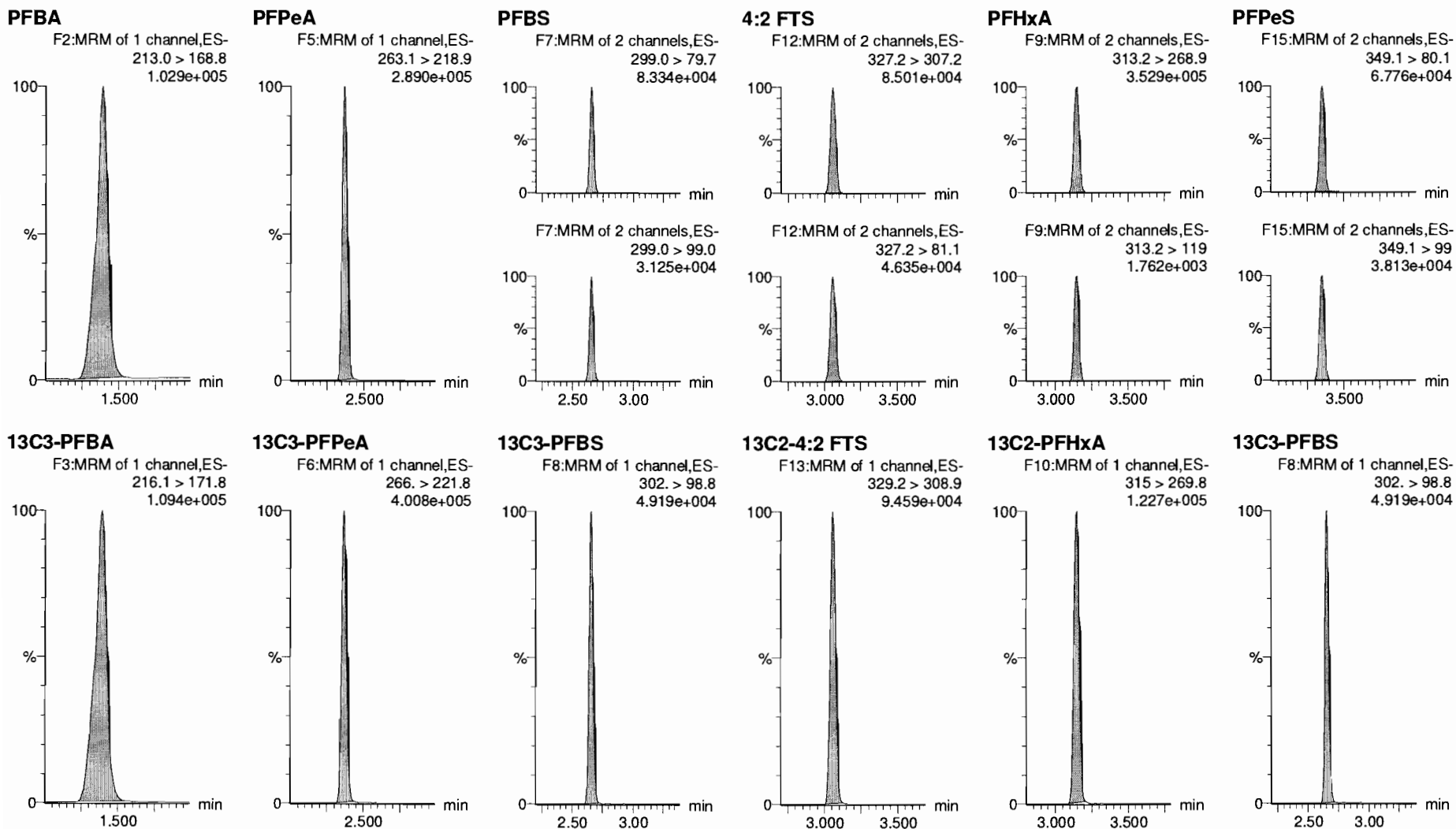


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_8, Date: 28-May-2018, Time: 17:06:33, ID: ST180528M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

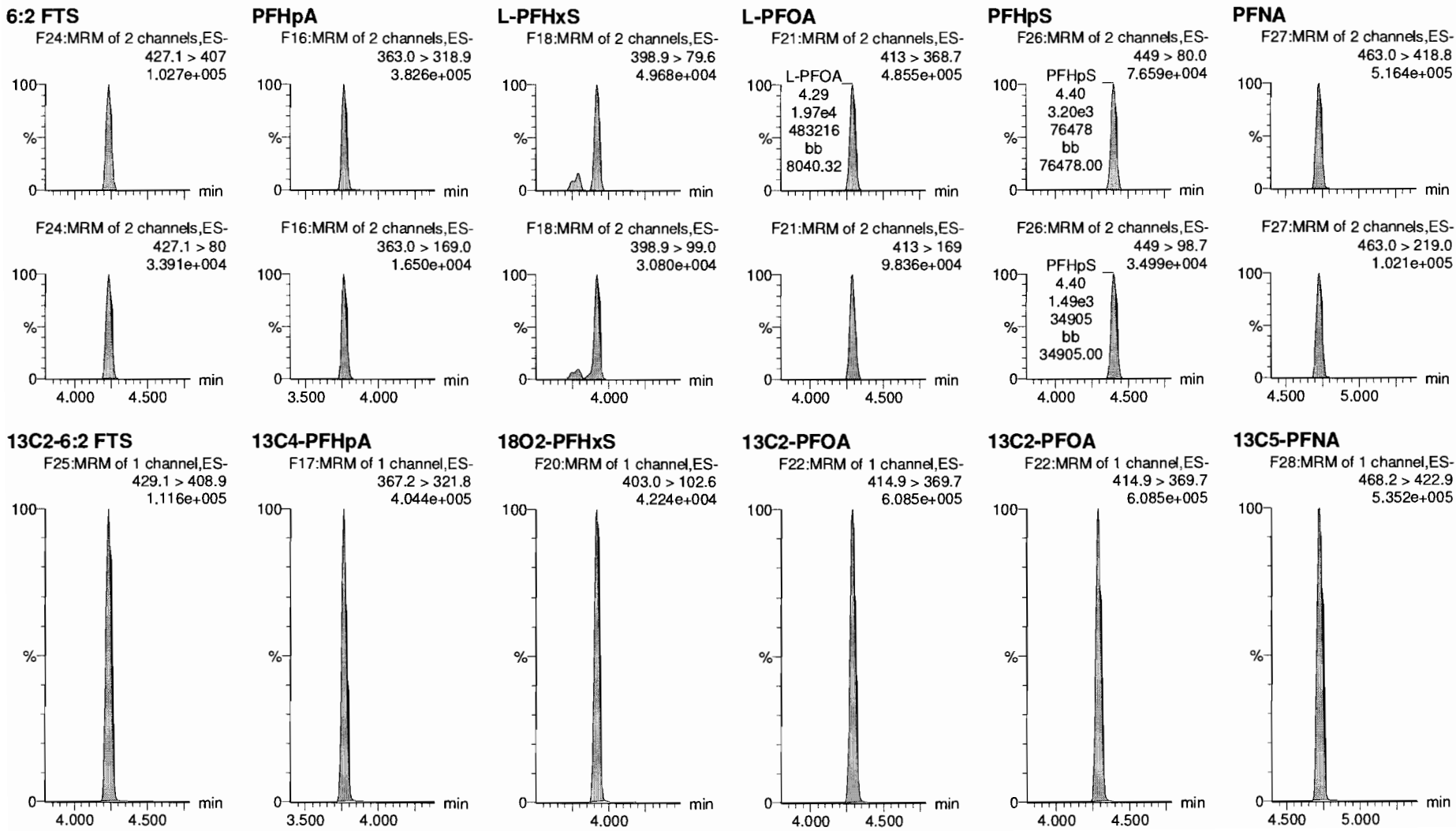


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_8, Date: 28-May-2018, Time: 17:06:33, ID: ST180528M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207



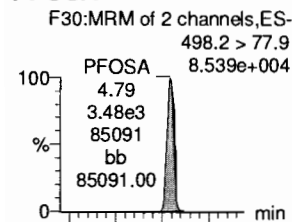
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

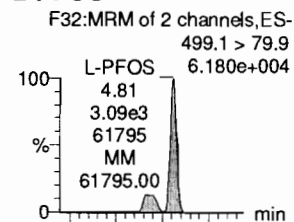
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_8, Date: 28-May-2018, Time: 17:06:33, ID: ST180528M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

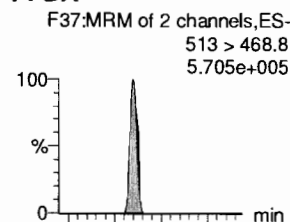
PFOSA



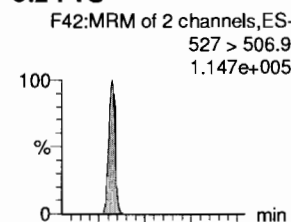
L-PFOS



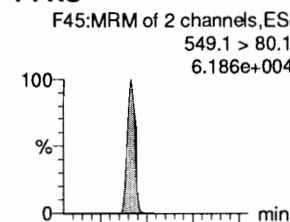
PFDA



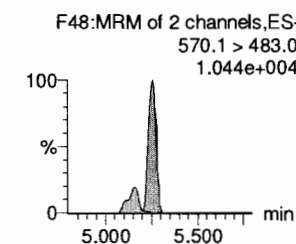
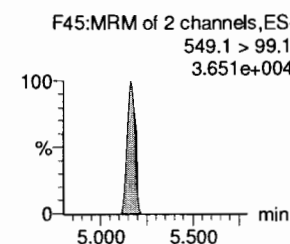
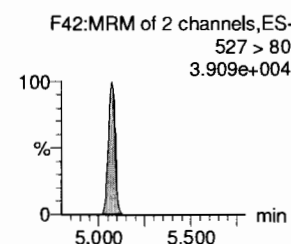
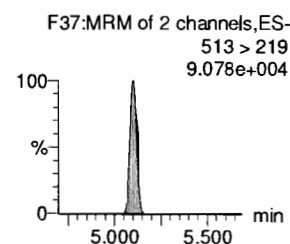
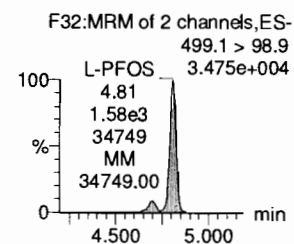
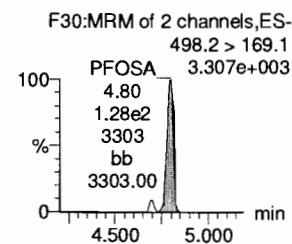
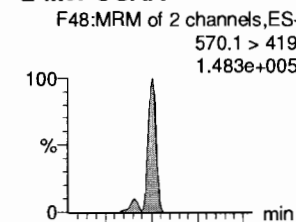
8:2 FTS



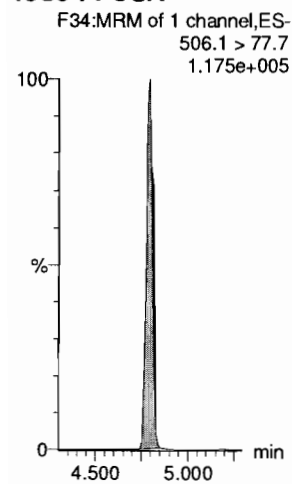
PFNS



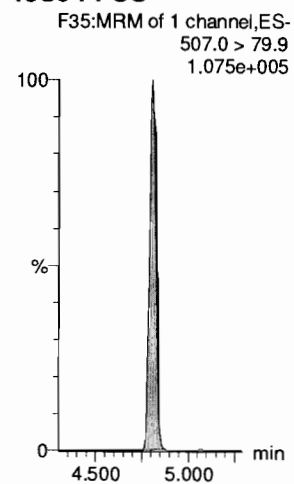
L-MeFOSAA



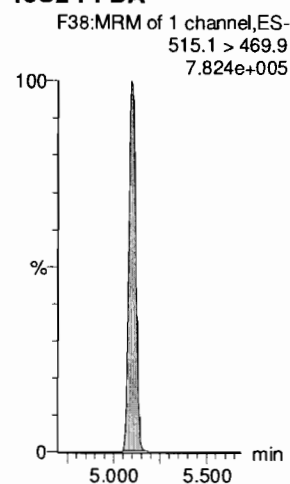
13C8-PFOSA



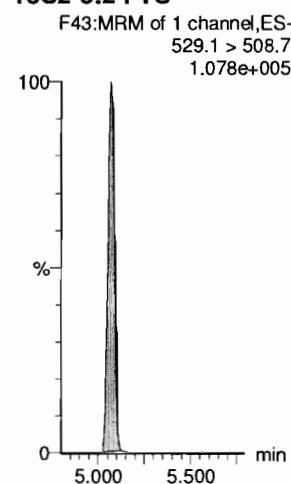
13C8-PFOS



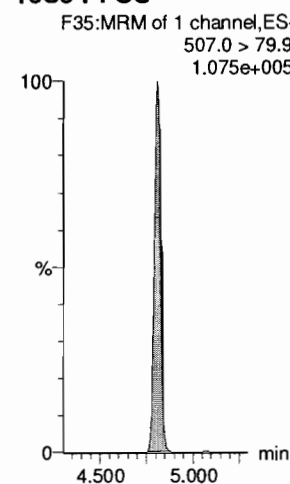
13C2-PFDA



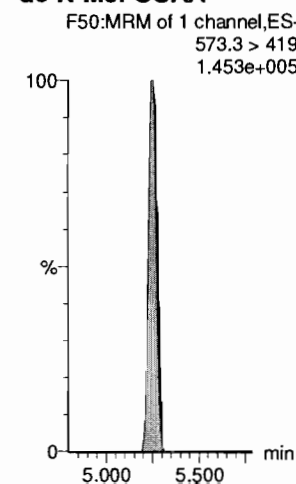
13C2-8:2 FTS



13C8-PFNS



d3-N-MeFOSAA



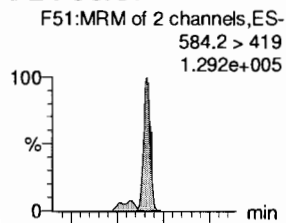
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

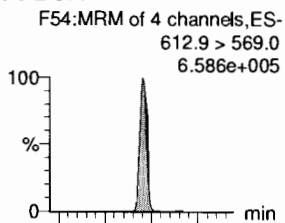
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_8, Date: 28-May-2018, Time: 17:06:33, ID: ST180528M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

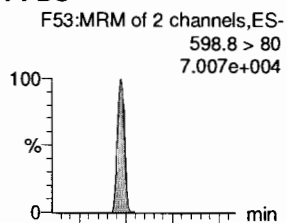
L-EtFOSAA



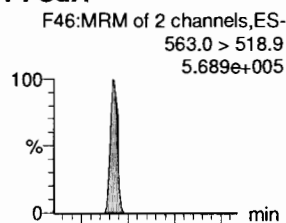
PFDoA



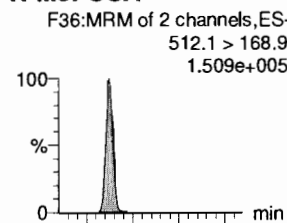
PFDS



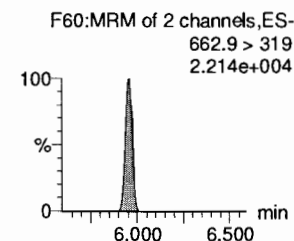
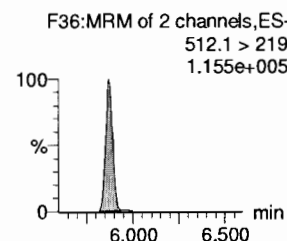
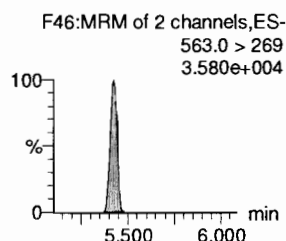
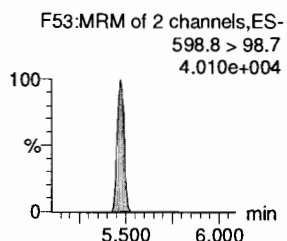
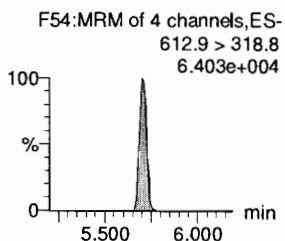
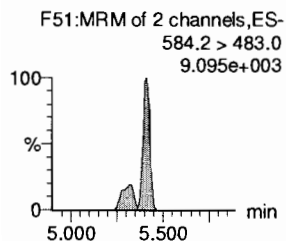
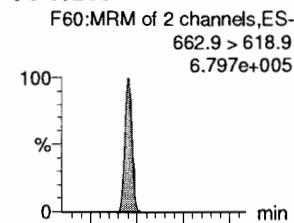
PFUdA



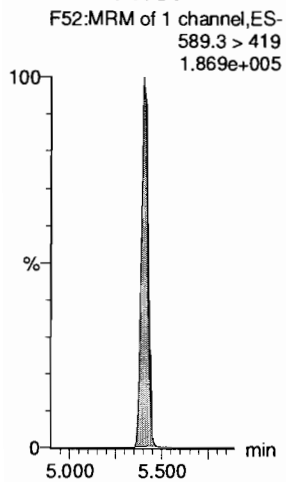
N-MeFOSA



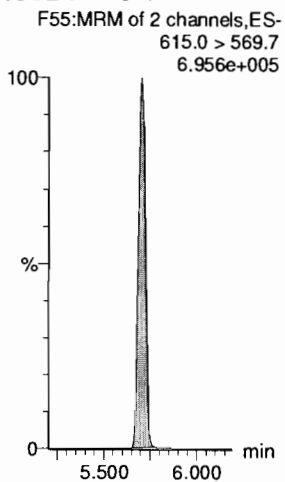
PFTrDA



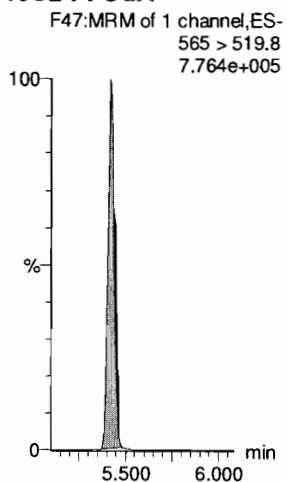
d5-N-EtFOSAA



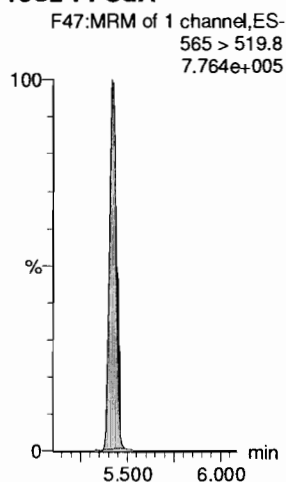
13C2-PFDoA



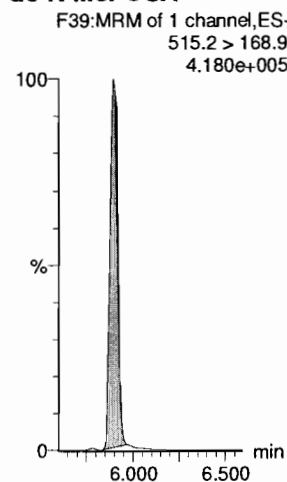
13C2-PFUdA



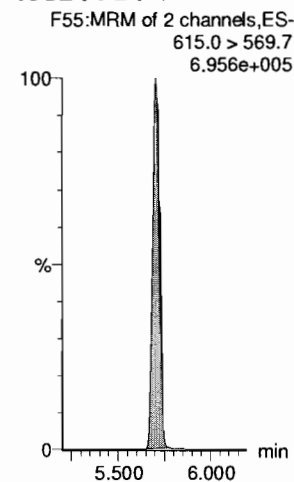
13C2-PFUdA



d3-N-MeFOSA



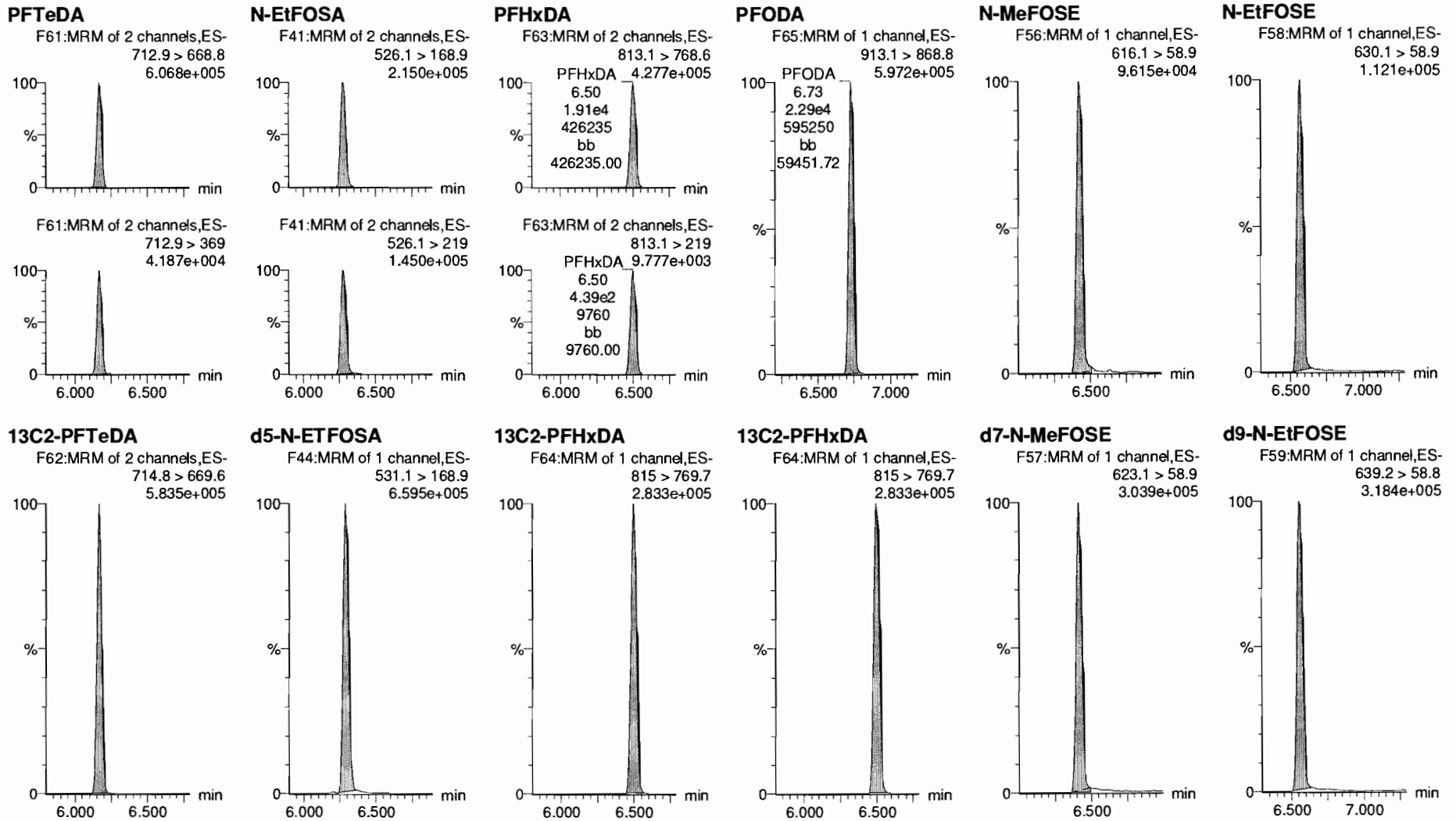
13C2-PFDoA



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time
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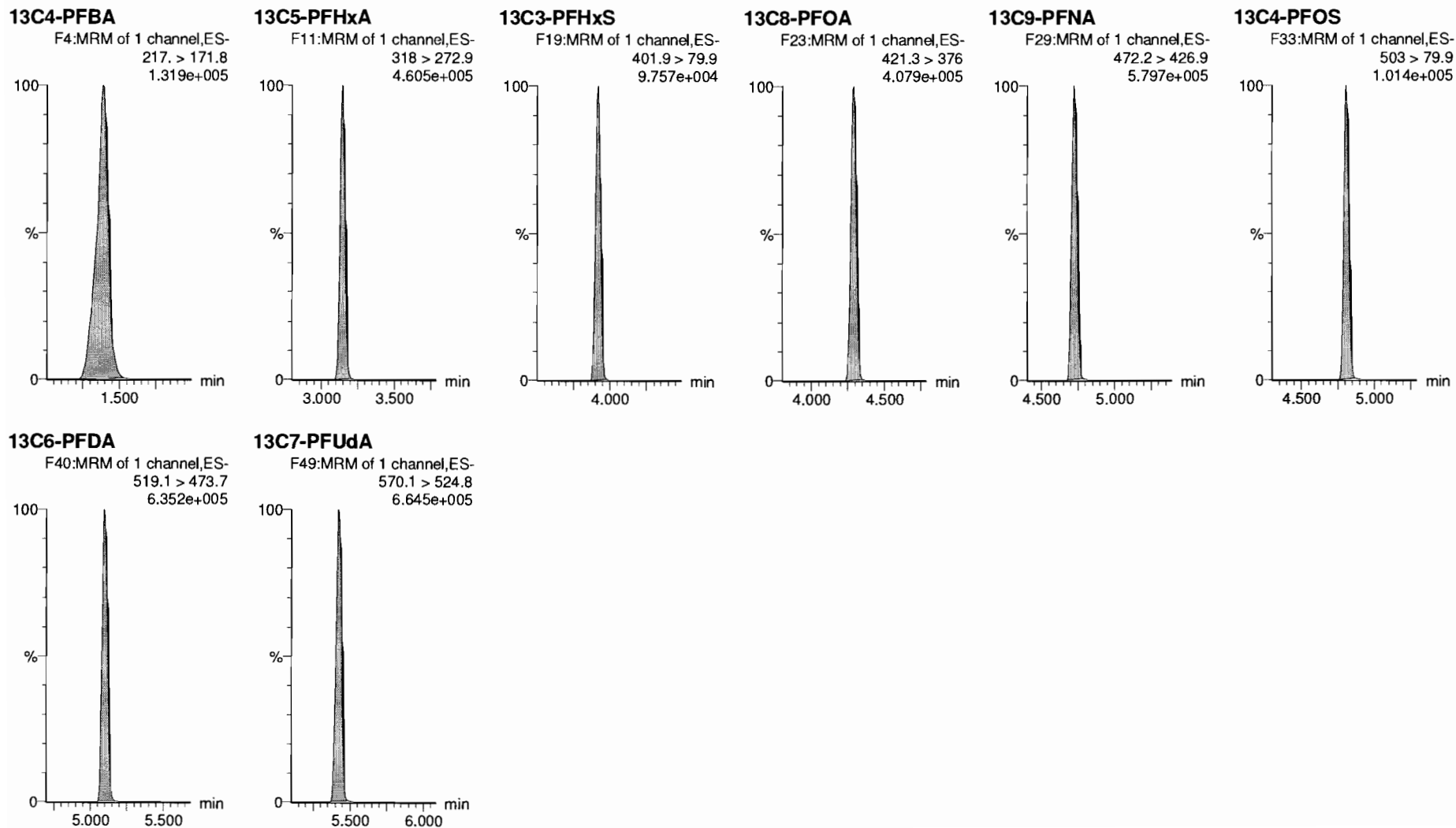
Name: 180528M1_8, Date: 28-May-2018, Time: 17:06:33, ID: ST180528M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_8, Date: 28-May-2018, Time: 17:06:33, ID: ST180528M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

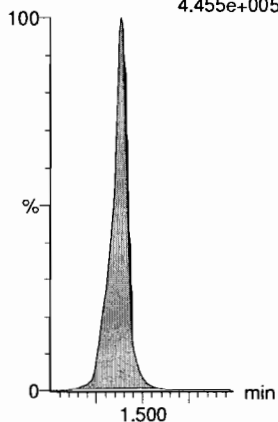
Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_9, Date: 28-May-2018, Time: 17:16:59, ID: ST180528M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208

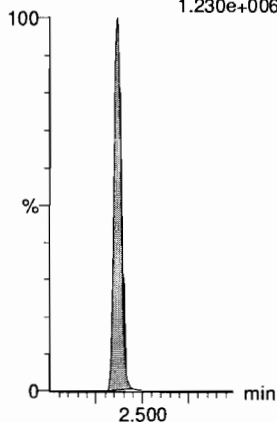
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
4.455e+005



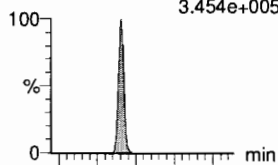
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
1.230e+006

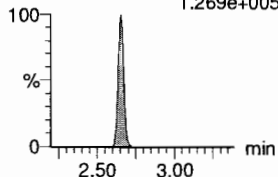


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
3.454e+005

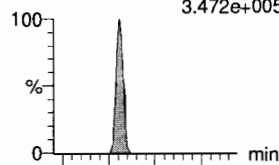


F7:MRM of 2 channels,ES-
299.0 > 99.0
1.269e+005

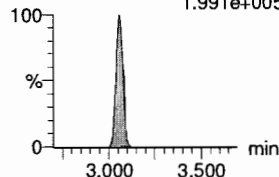


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
3.472e+005



F12:MRM of 2 channels,ES-
327.2 > 81.1
1.991e+005

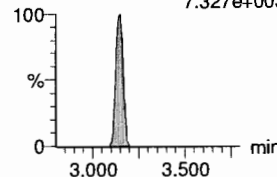


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
1.548e+006

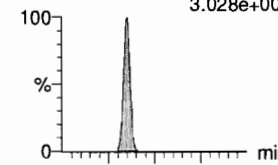


F9:MRM of 2 channels,ES-
313.2 > 119
7.327e+003

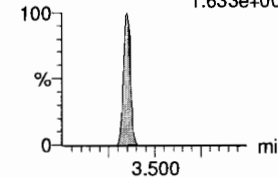


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
3.028e+005

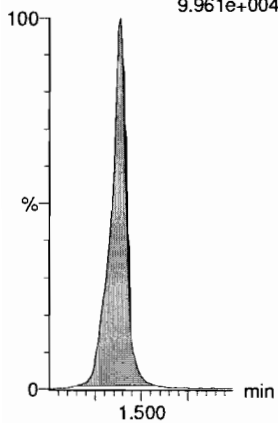


F15:MRM of 2 channels,ES-
349.1 > 99
1.633e+005



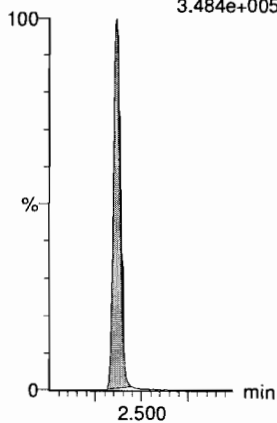
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
9.961e+004



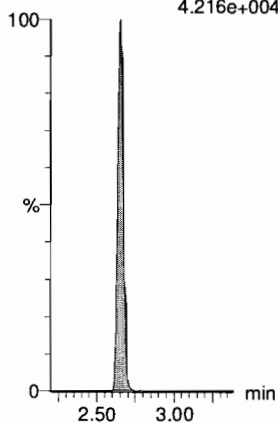
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
3.484e+005



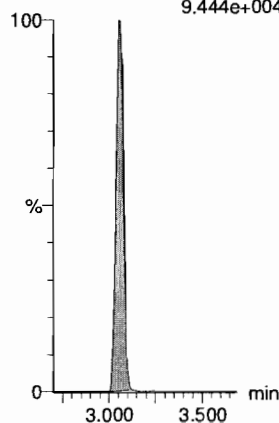
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
4.216e+004



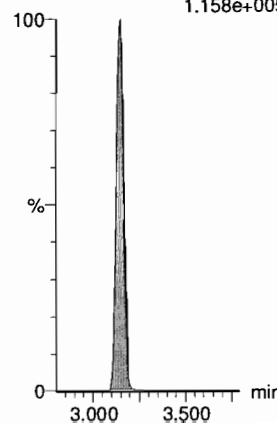
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
9.444e+004



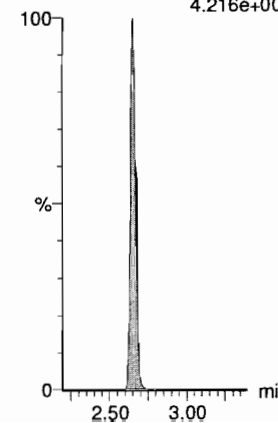
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
1.158e+005



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
4.216e+004

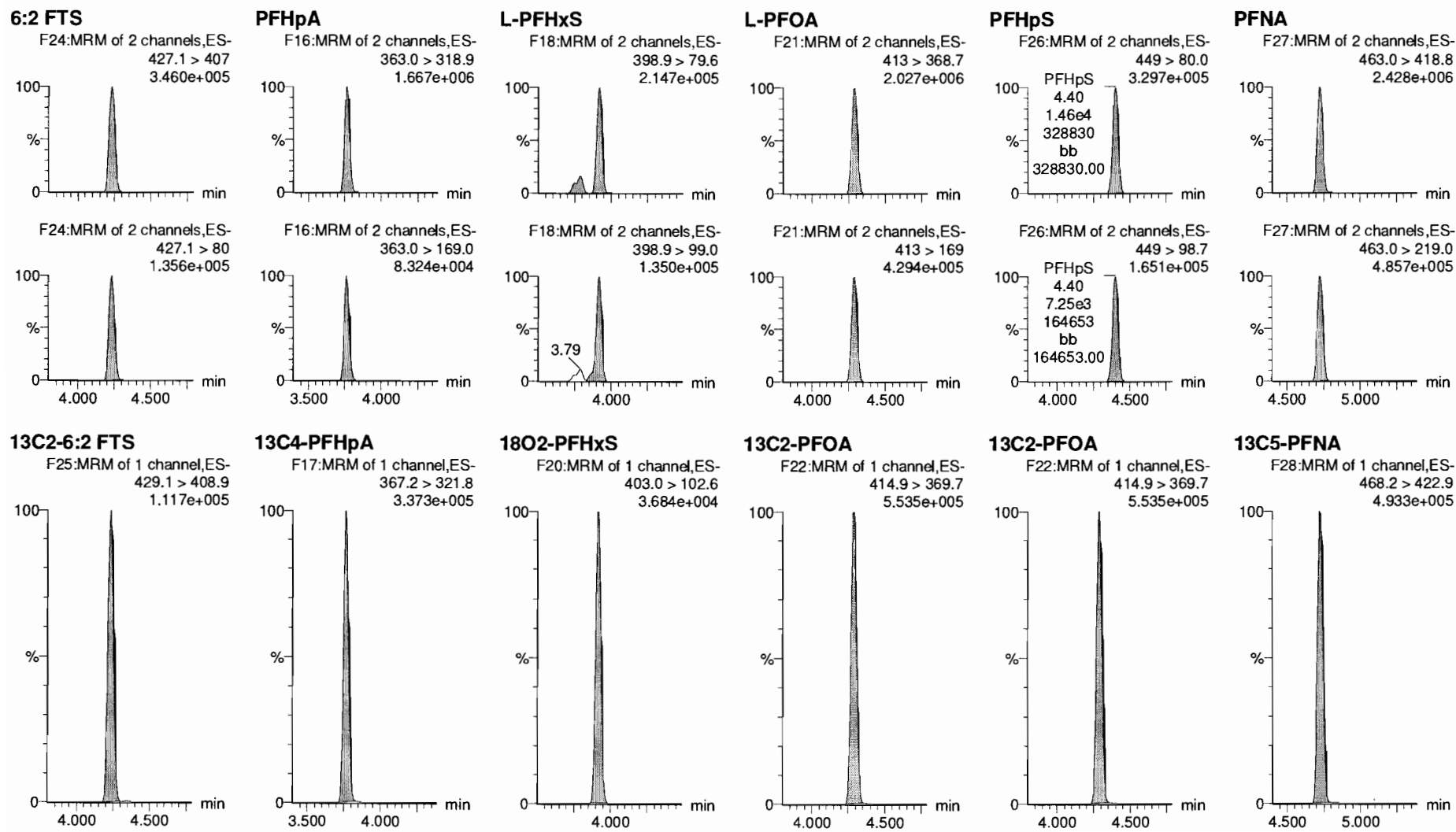


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

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Name: 180528M1_9, Date: 28-May-2018, Time: 17:16:59, ID: ST180528M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208



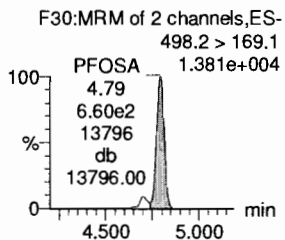
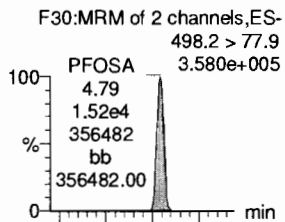
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

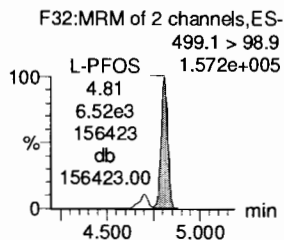
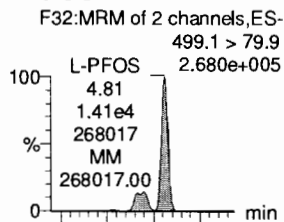
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Name: 180528M1_9, Date: 28-May-2018, Time: 17:16:59, ID: ST180528M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208

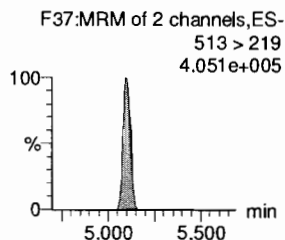
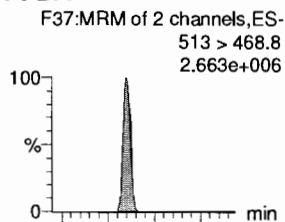
PFOSA



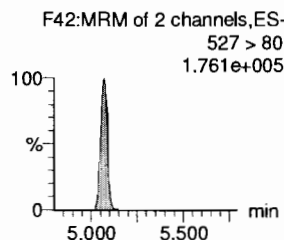
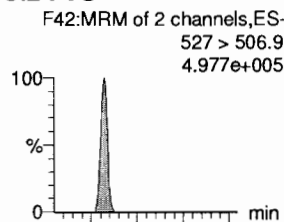
L-PFOS



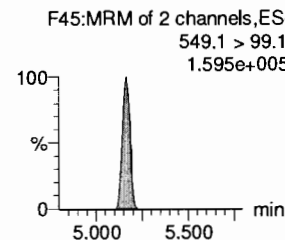
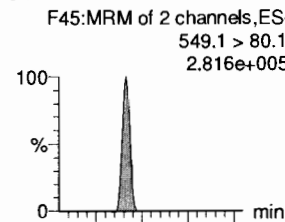
PFDA



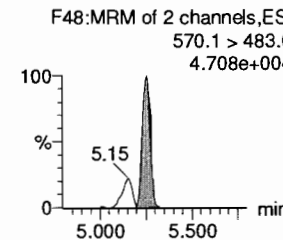
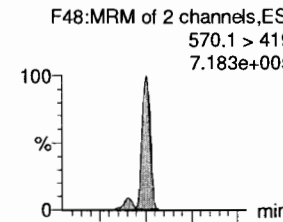
8:2 FTS



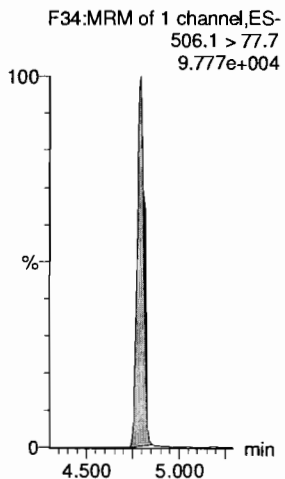
PFNS



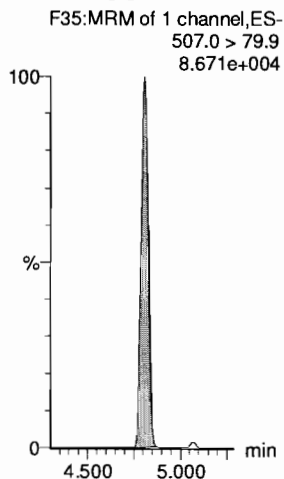
L-MeFOSAA



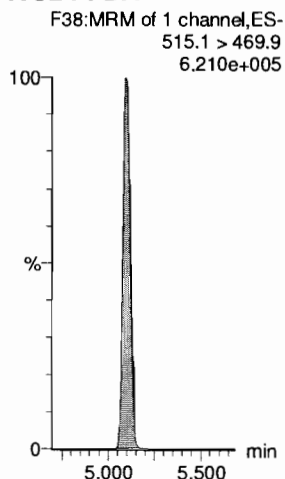
13C8-PFOSA



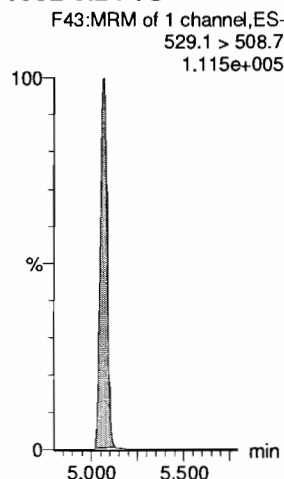
13C8-PFOS



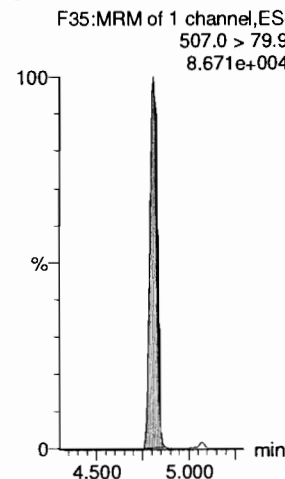
13C2-PFDA



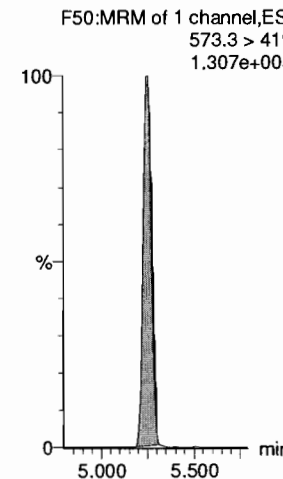
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



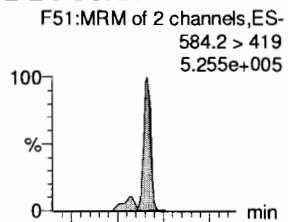
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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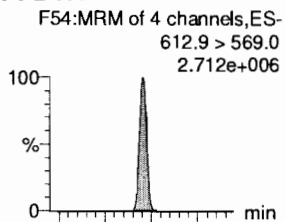
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_9, Date: 28-May-2018, Time: 17:16:59, ID: ST180528M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208

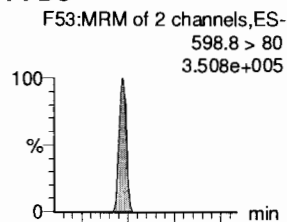
L-EtFOSAA



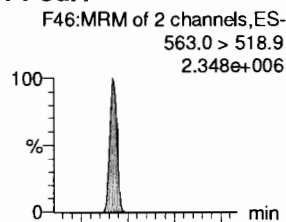
PFDoA



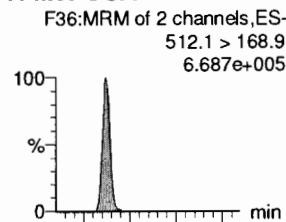
PFDS



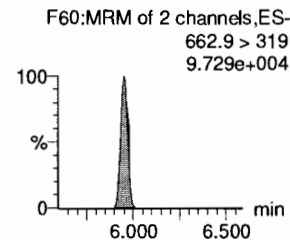
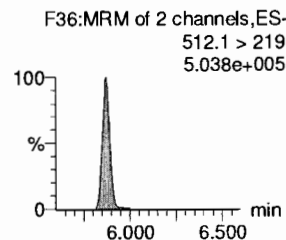
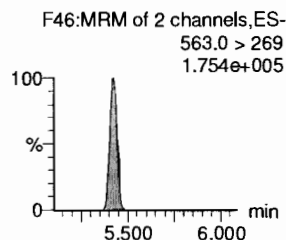
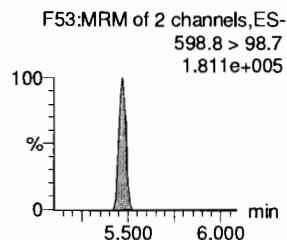
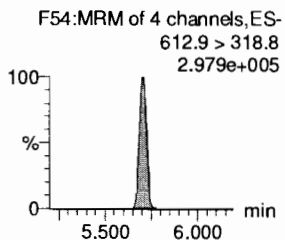
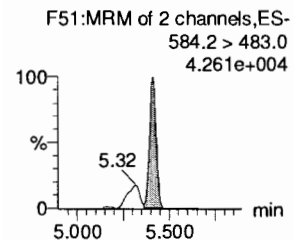
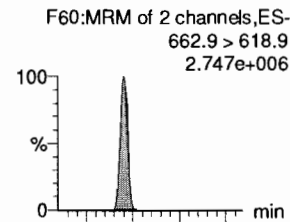
PFUdA



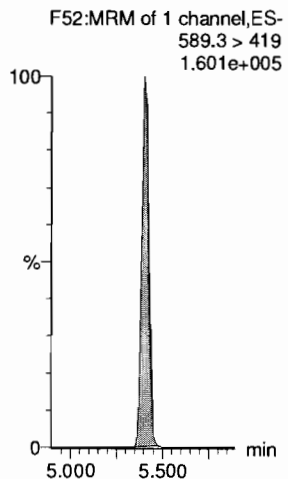
N-MeFOSA



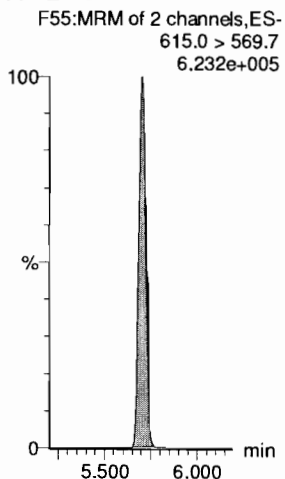
PFTrDA



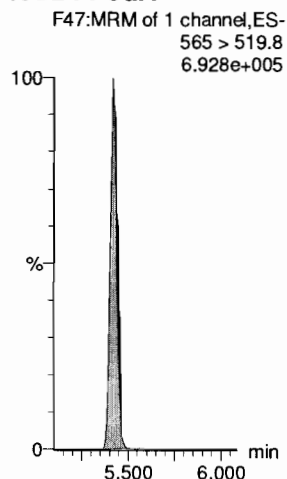
d5-N-EtFOSAA



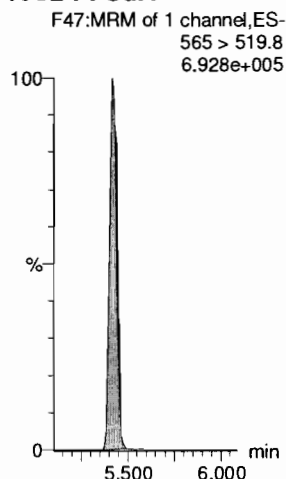
13C2-PFDoA



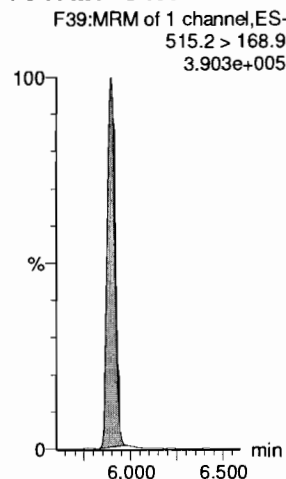
13C2-PFUdA



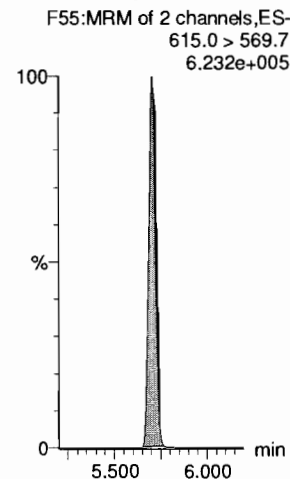
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

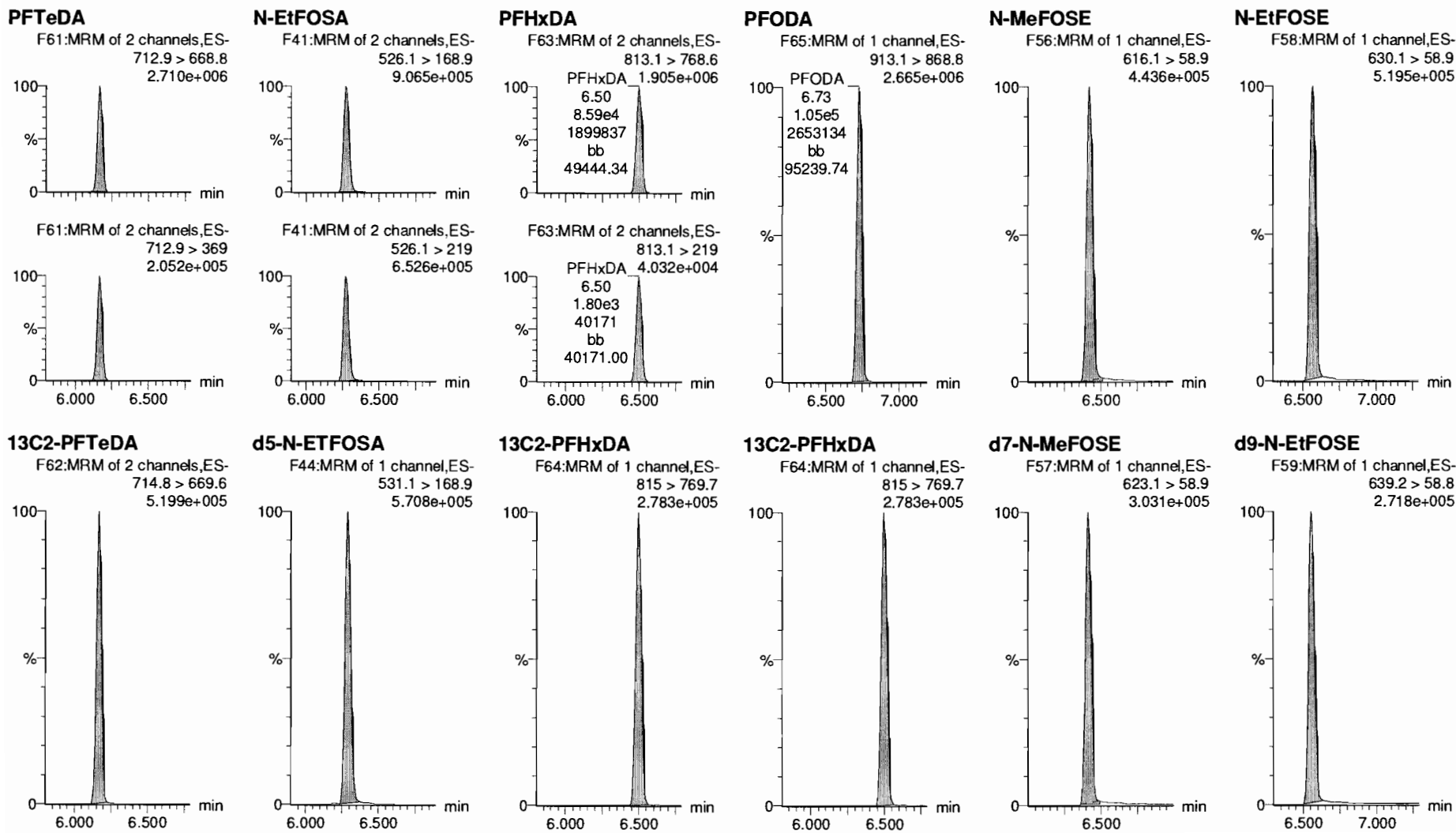


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

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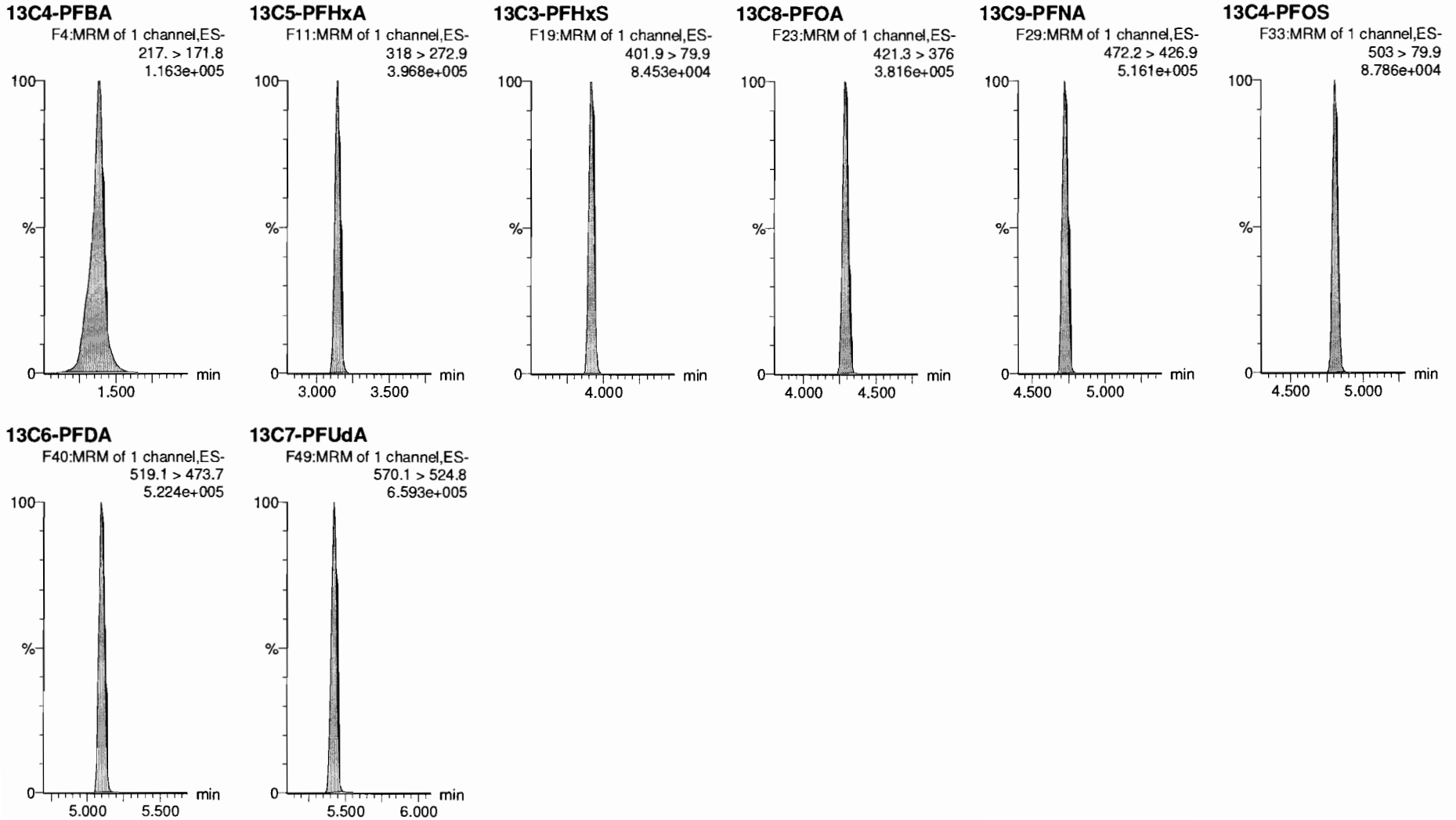
Name: 180528M1_9, Date: 28-May-2018, Time: 17:16:59, ID: ST180528M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_9, Date: 28-May-2018, Time: 17:16:59, ID: ST180528M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208

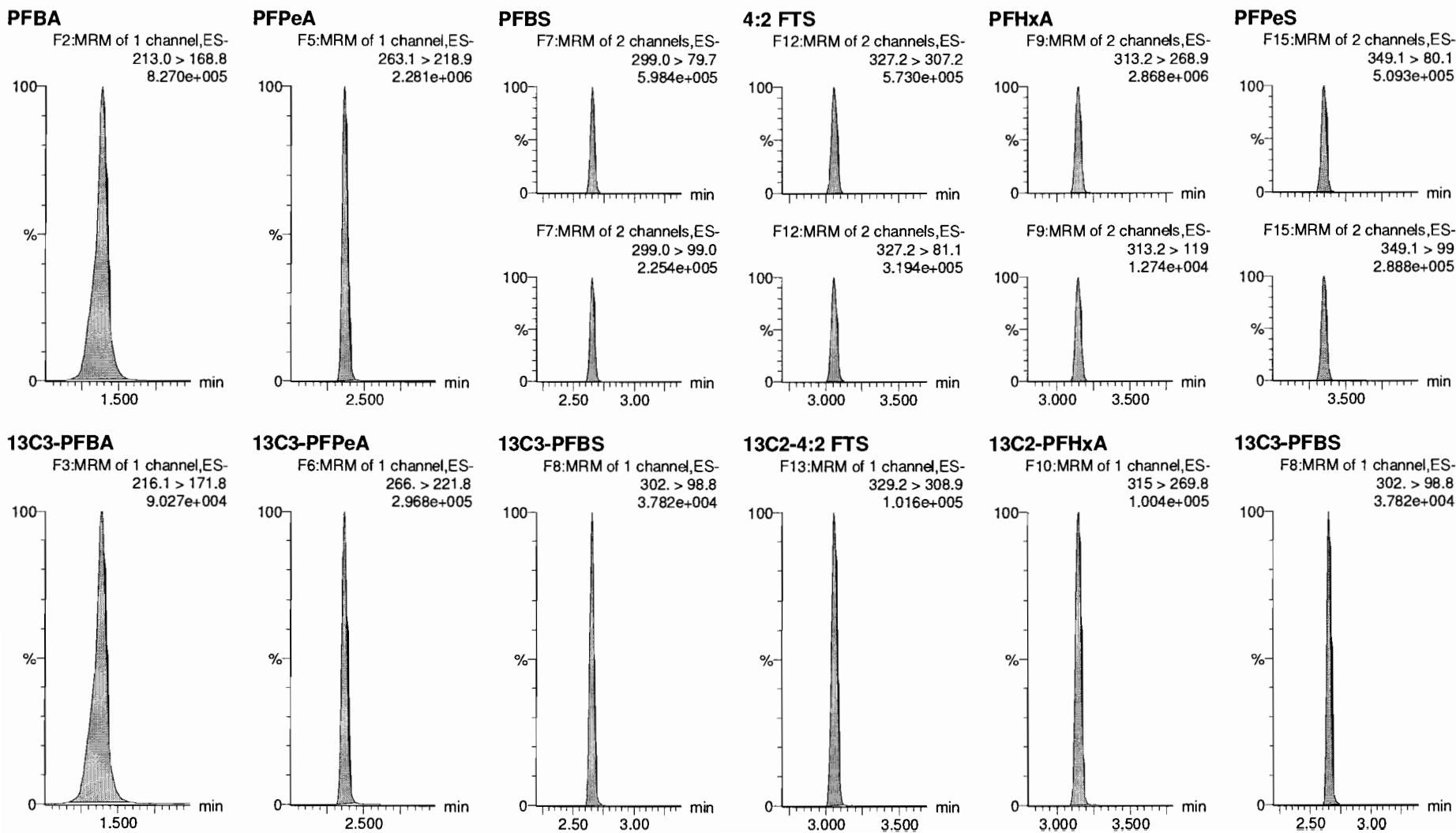


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Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_10, Date: 28-May-2018, Time: 17:27:29, ID: ST180528M1-8 PFC CS5 18E2209, Description: PFC CS5 18E2209

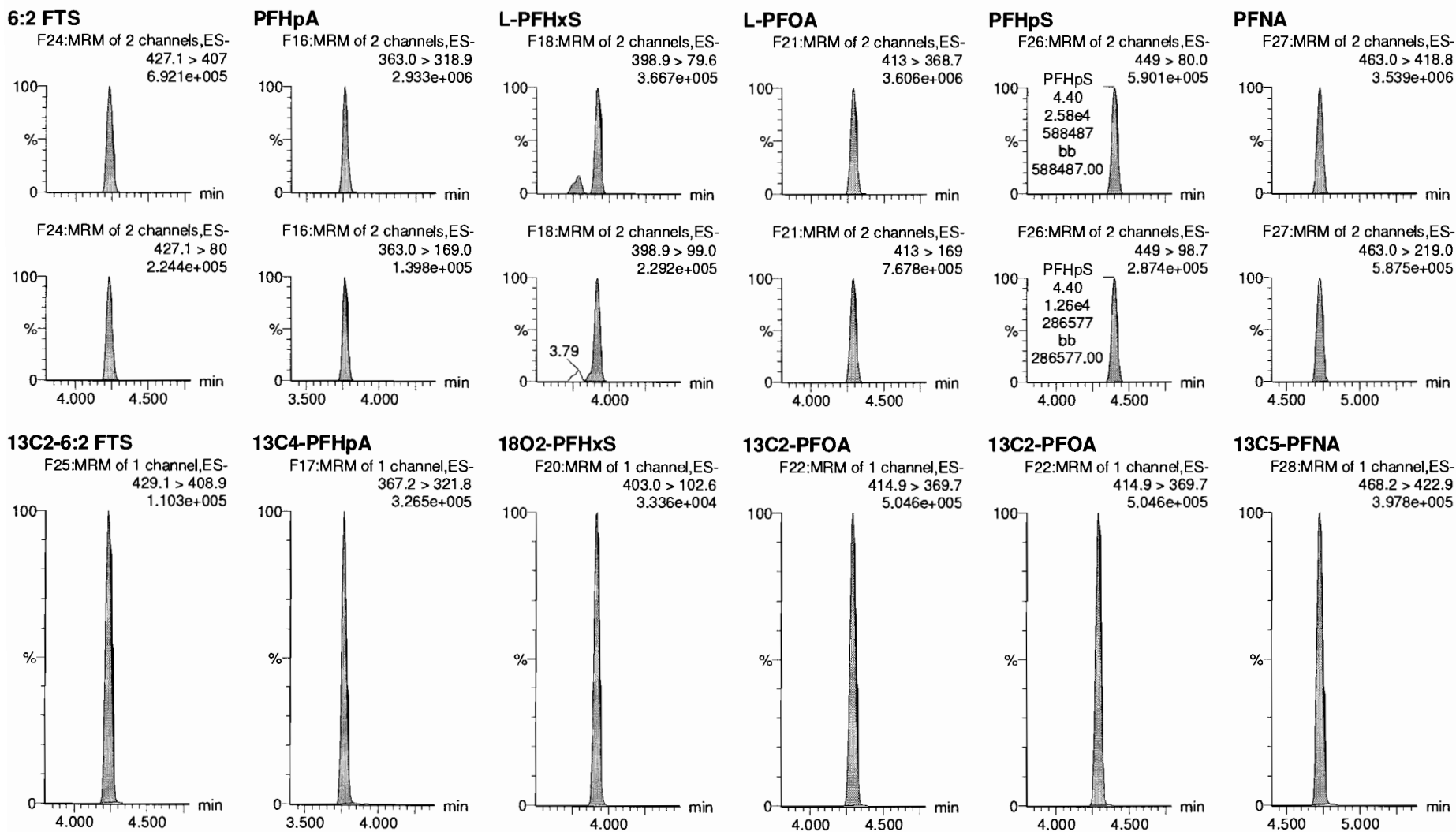


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Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_10, Date: 28-May-2018, Time: 17:27:29, ID: ST180528M1-8 PFC CS5 18E2209, Description: PFC CS5 18E2209

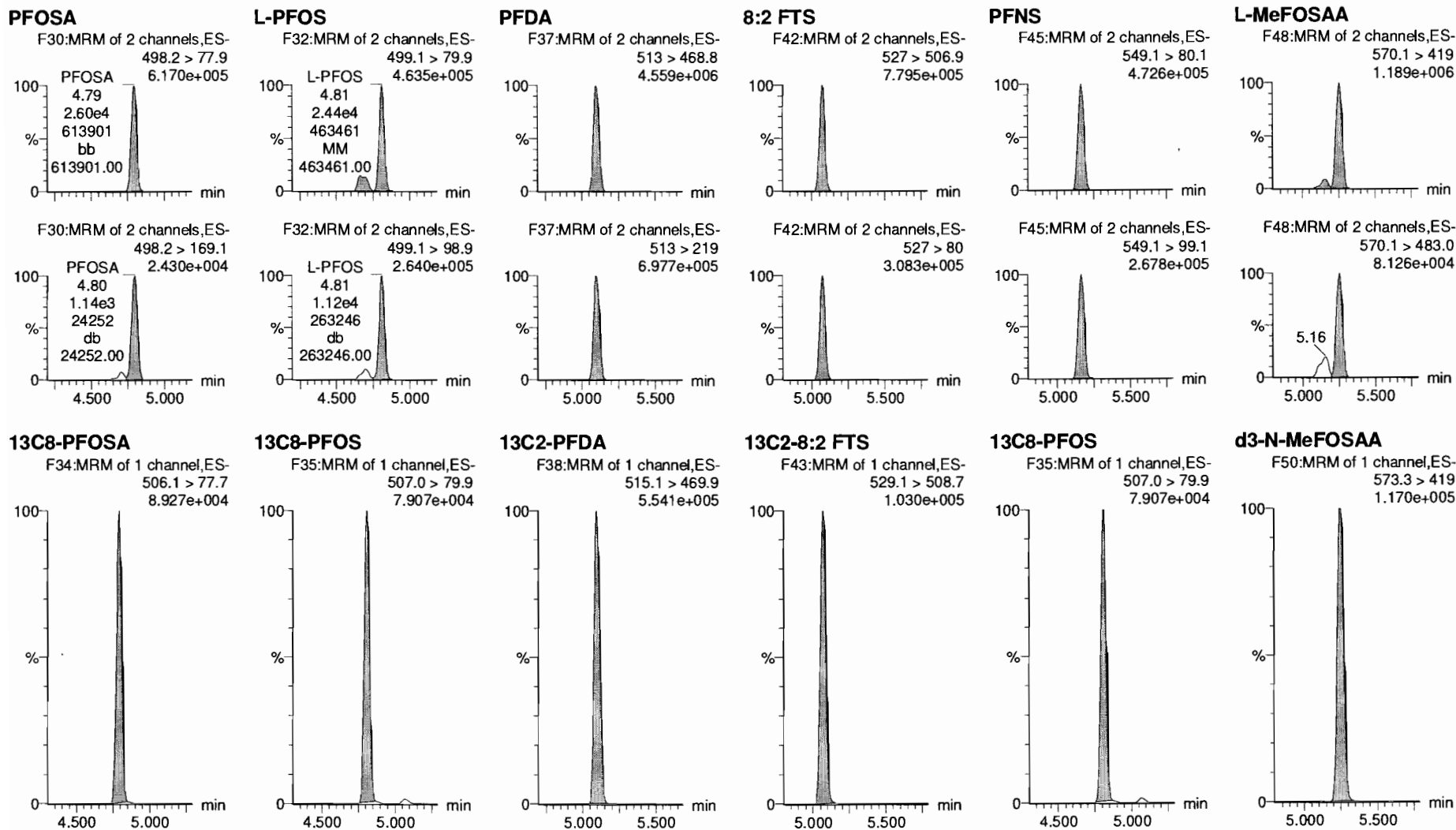


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Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_10, Date: 28-May-2018, Time: 17:27:29, ID: ST180528M1-8 PFC CS5 18E2209, Description: PFC CS5 18E2209



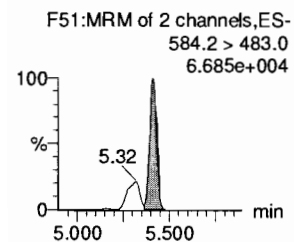
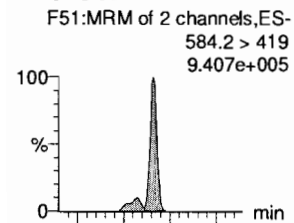
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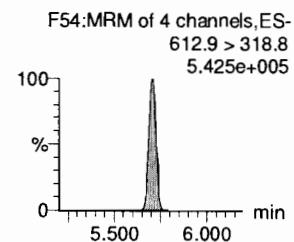
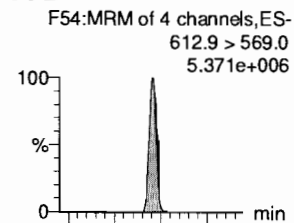
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

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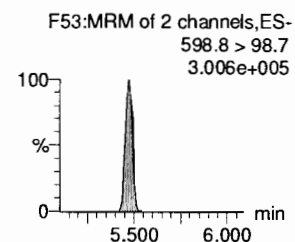
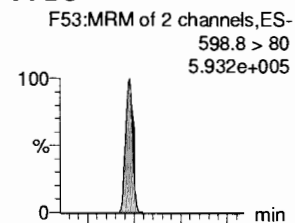
L-EtFOSAA



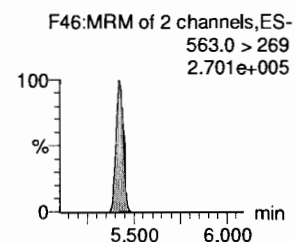
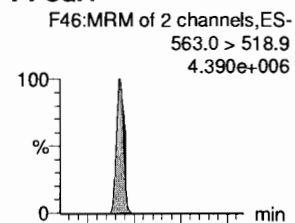
PFDoA



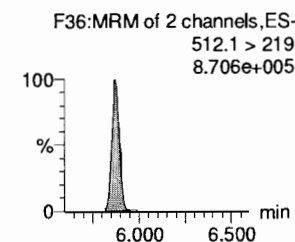
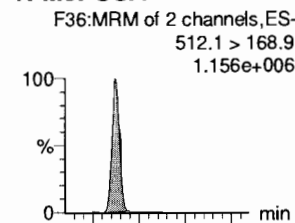
PFDS



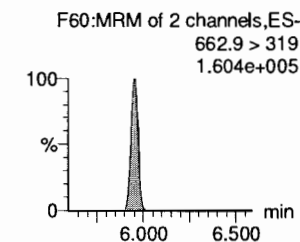
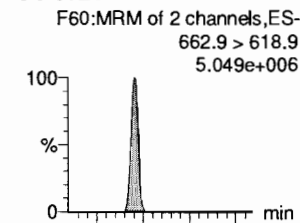
PFUdA



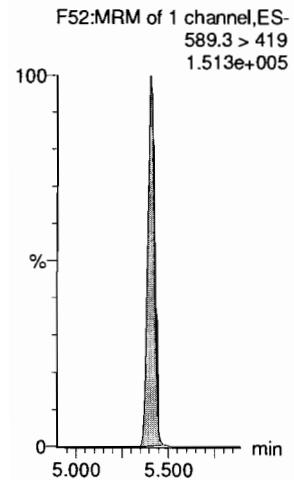
N-MeFOSA



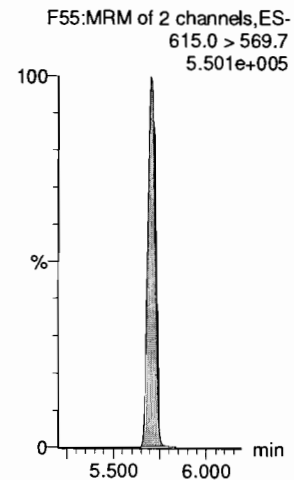
PFTrDA



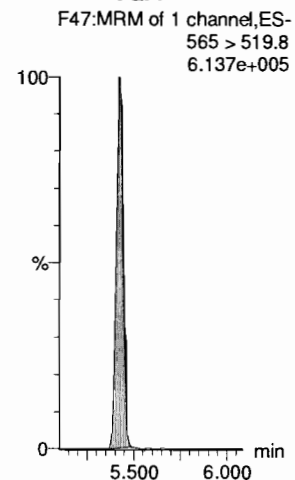
d5-N-EtFOSAA



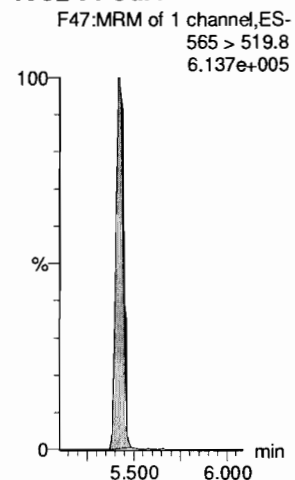
13C2-PFDoA



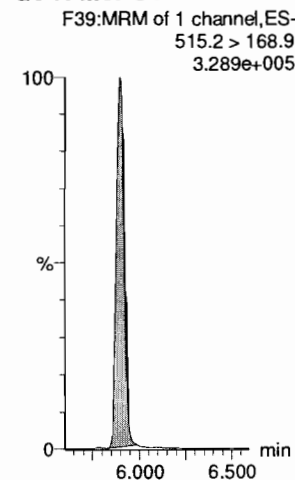
13C2-PFUdA



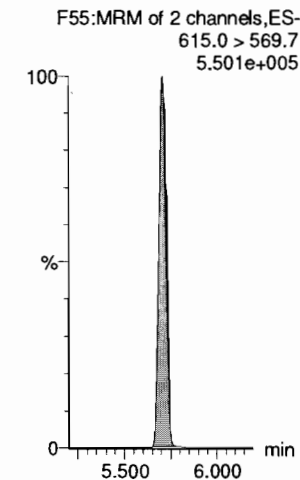
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

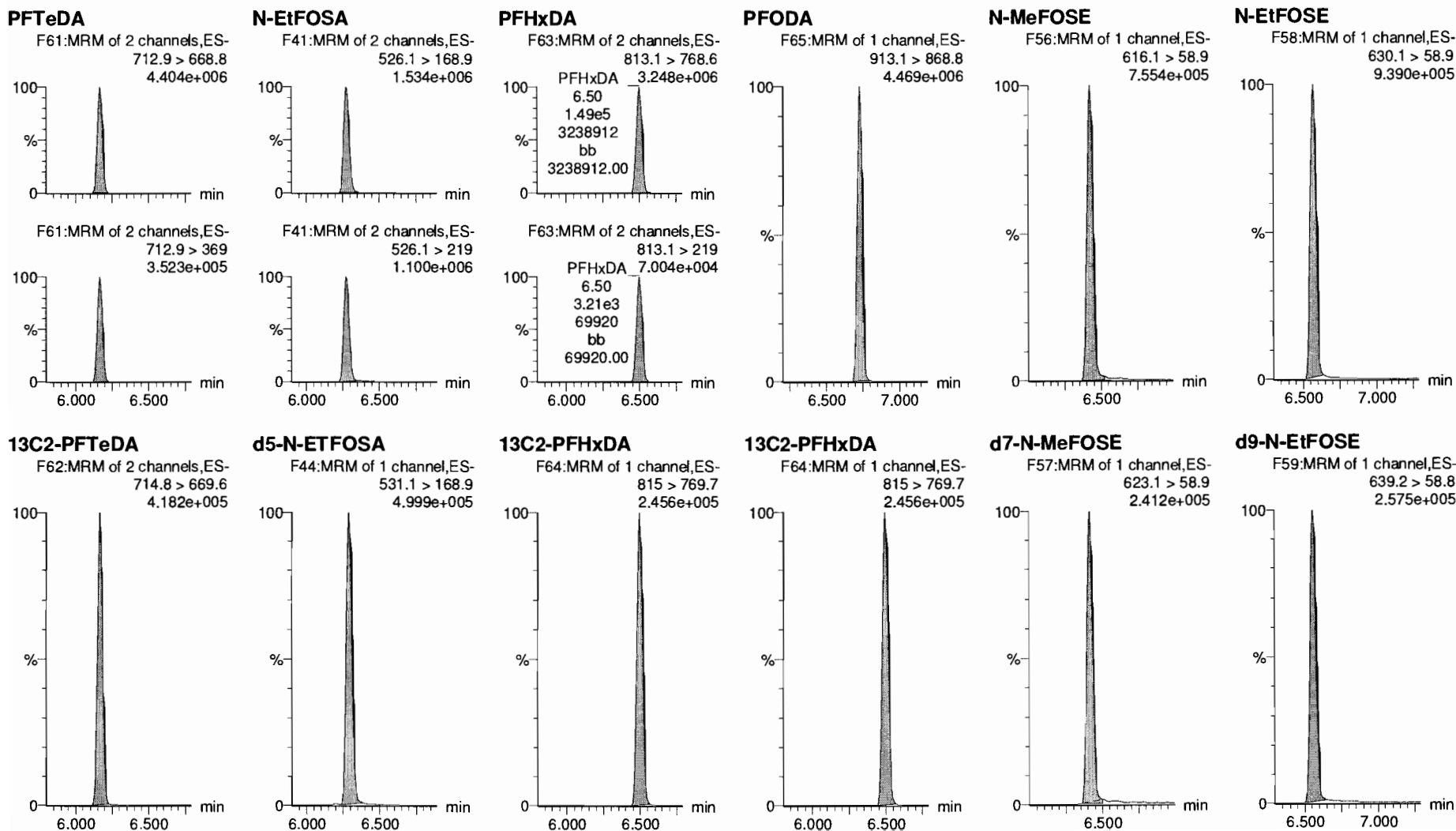


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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Name: 180528M1_10, Date: 28-May-2018, Time: 17:27:29, ID: ST180528M1-8 PFC CS5 18E2209, Description: PFC CS5 18E2209



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

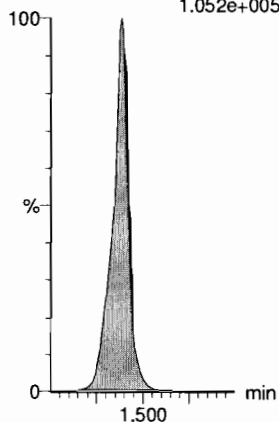
Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

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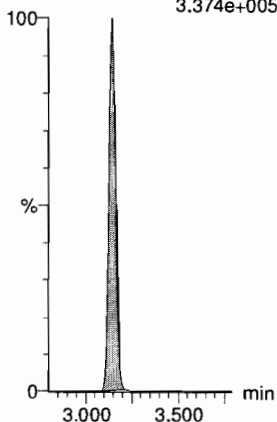
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.052e+005



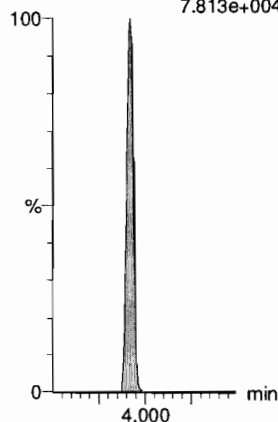
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
3.374e+005



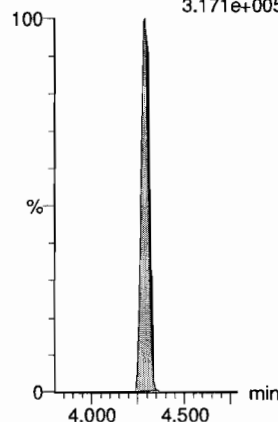
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
7.813e+004



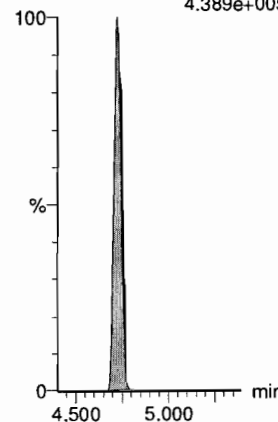
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
3.171e+005



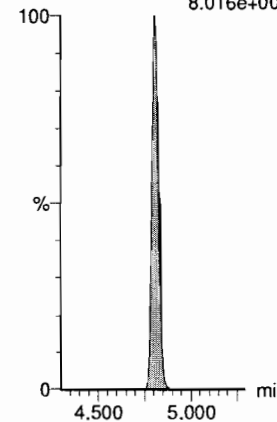
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.389e+005



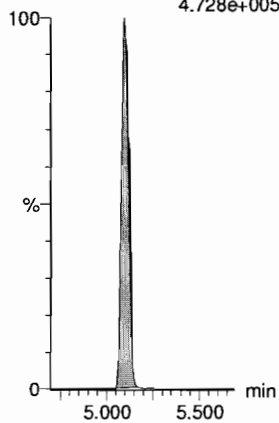
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.016e+004



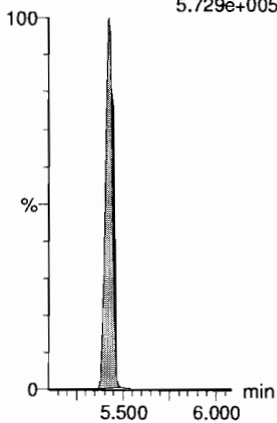
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.728e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.729e+005



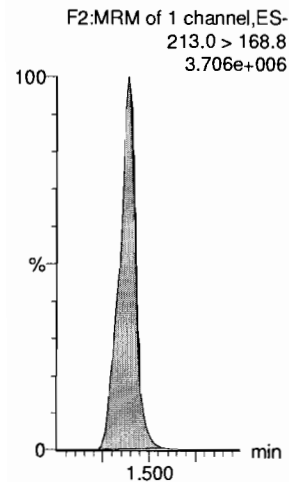
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Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

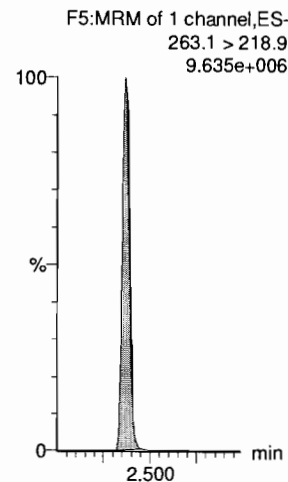
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_12, Date: 28-May-2018, Time: 17:48:24, ID: ST180528M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211

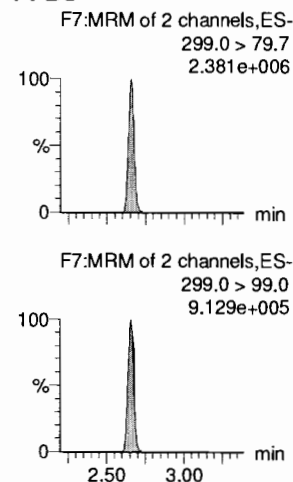
PFBA



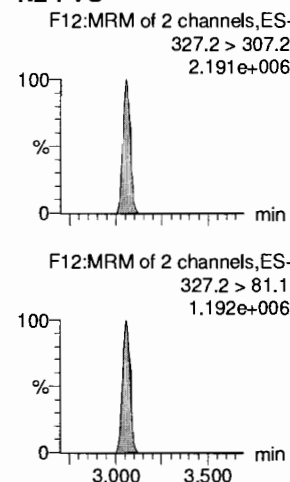
PFPeA



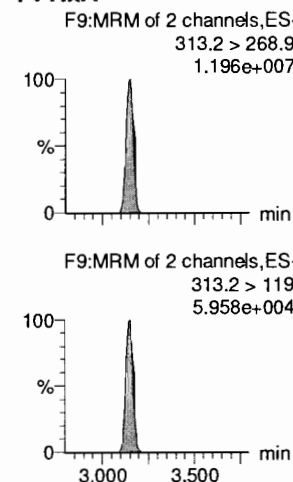
PFBS



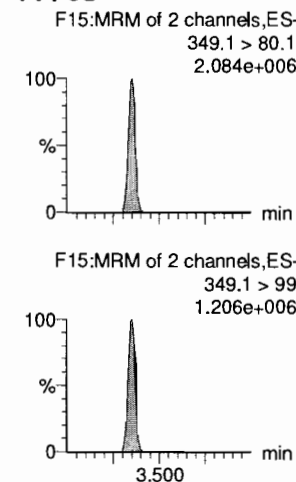
4:2 FTS



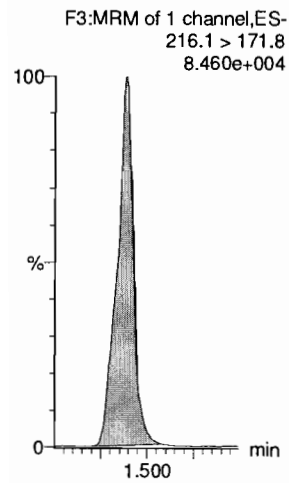
PFHxA



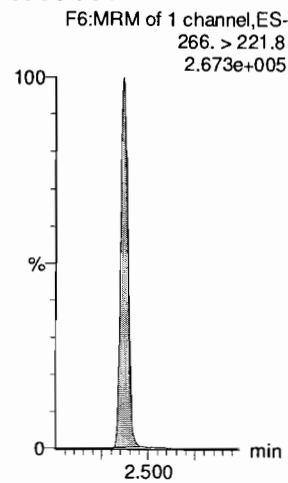
PFPeS



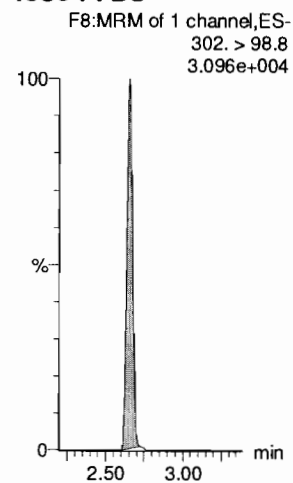
13C3-PFBA



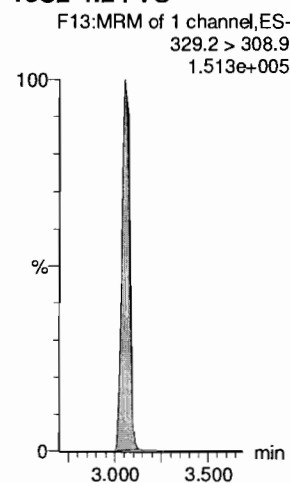
13C3-PFPeA



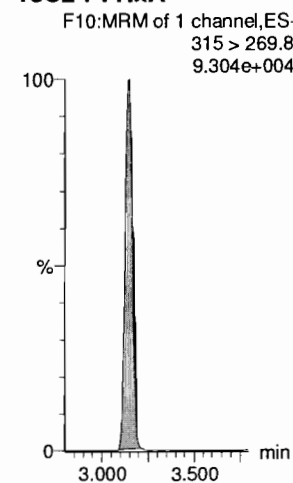
13C3-PFBS



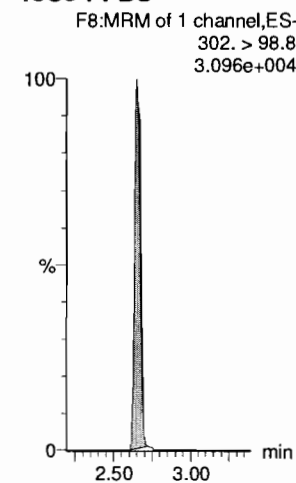
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

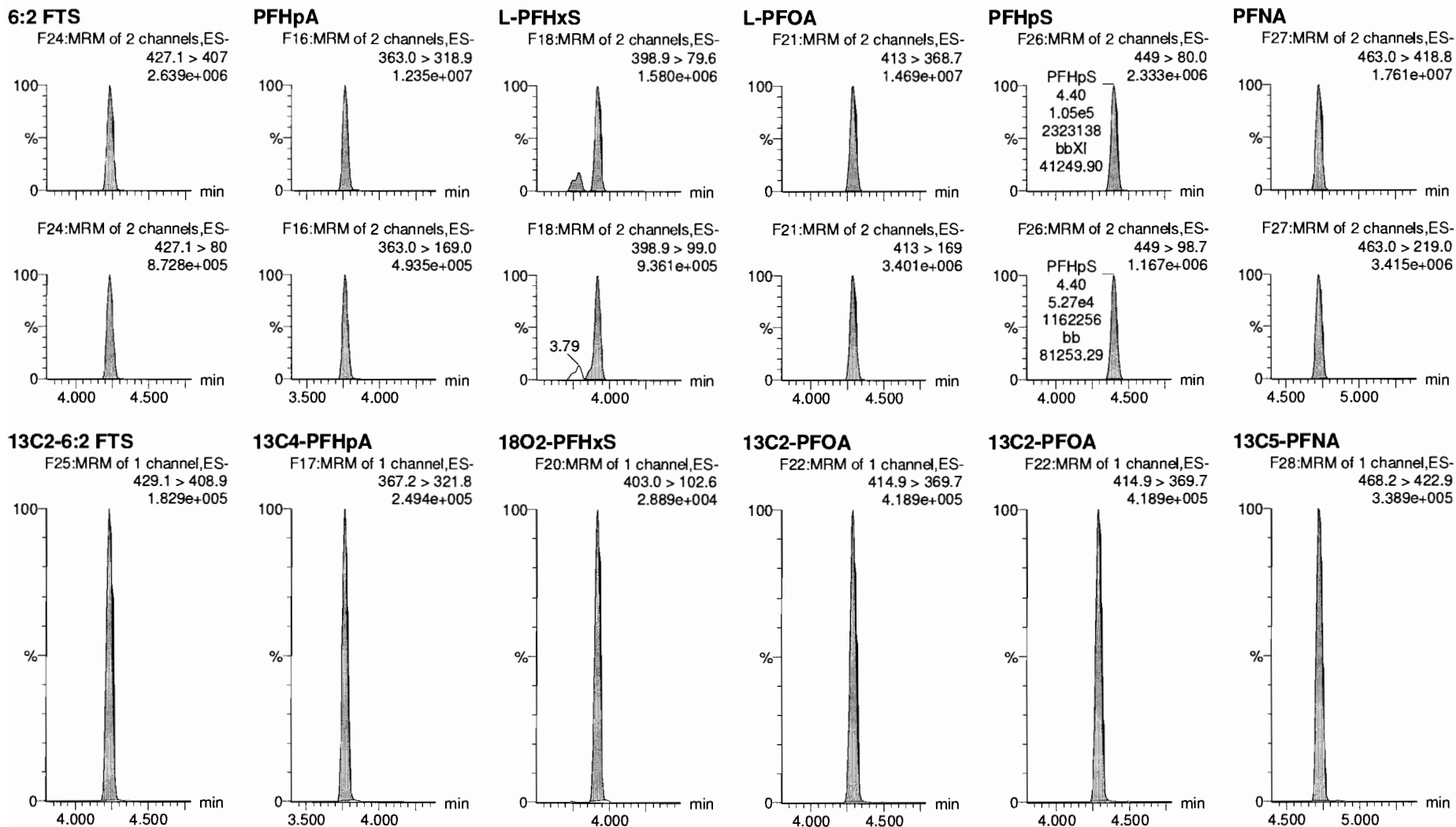


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_12, Date: 28-May-2018, Time: 17:48:24, ID: ST180528M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211



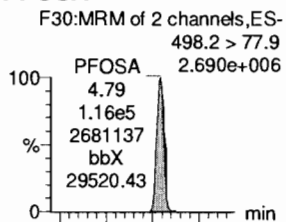
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

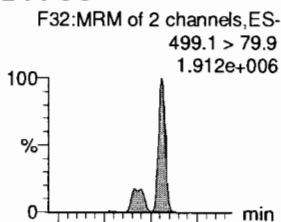
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_12, Date: 28-May-2018, Time: 17:48:24, ID: ST180528M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211

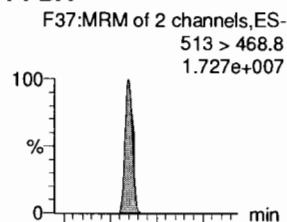
PFOSA



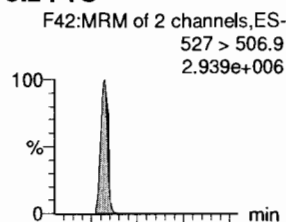
L-PFOS



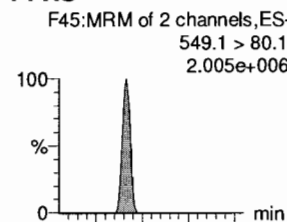
PFDA



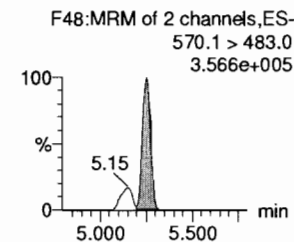
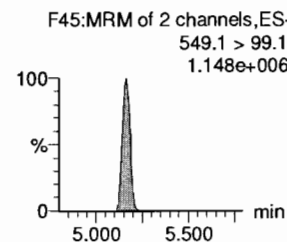
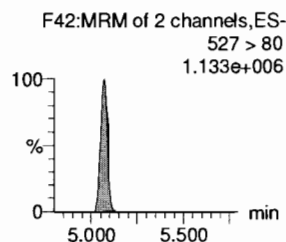
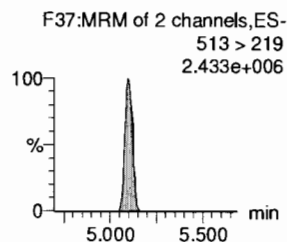
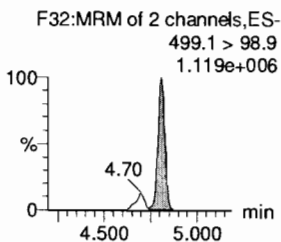
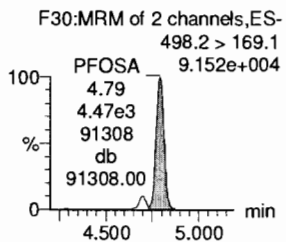
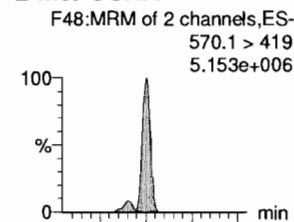
8:2 FTS



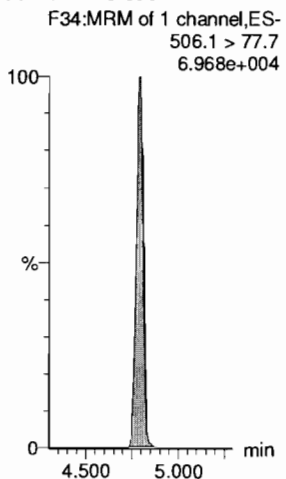
PFNS



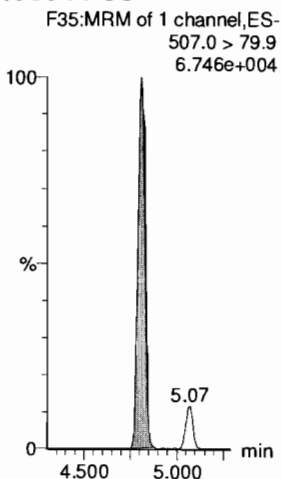
L-MeFOSAA



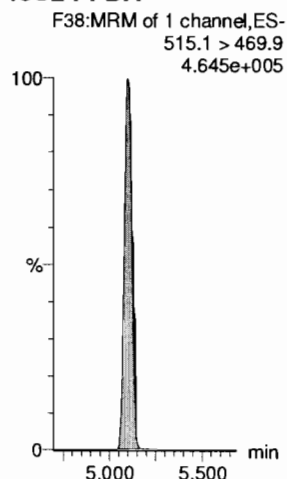
13C8-PFOSA



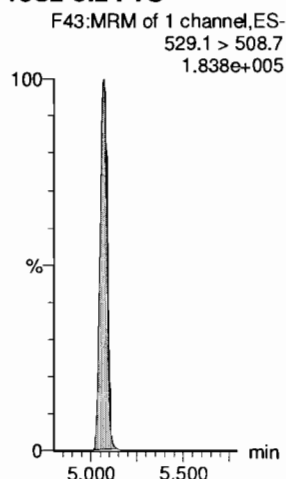
13C8-PFOS



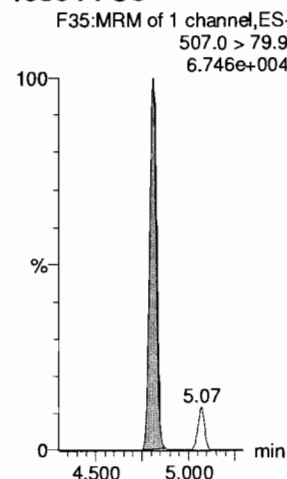
13C2-PFDA



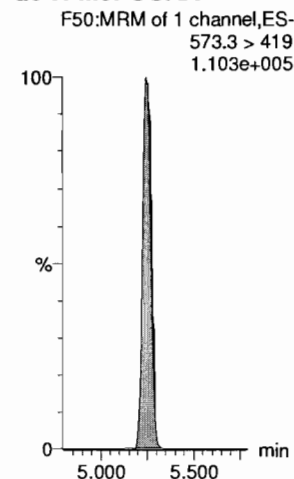
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



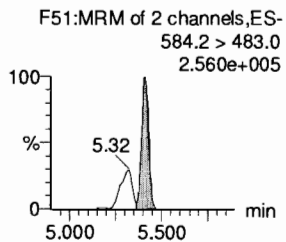
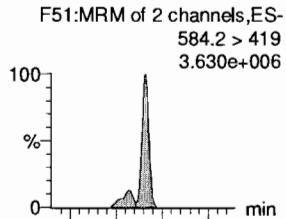
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

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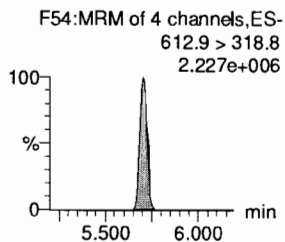
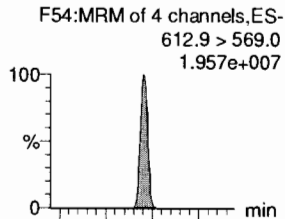
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_12, Date: 28-May-2018, Time: 17:48:24, ID: ST180528M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211

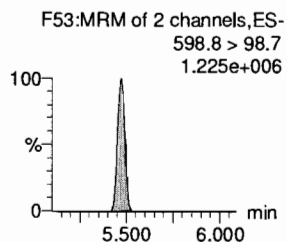
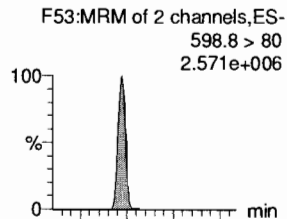
L-EtFOSAA



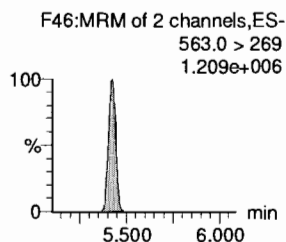
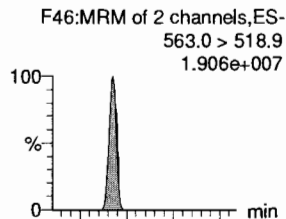
PFDoA



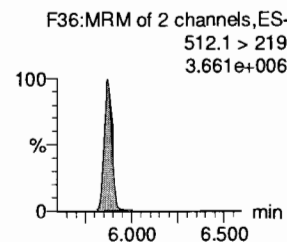
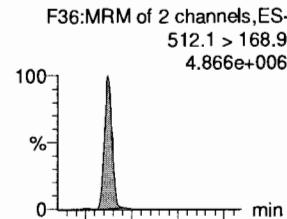
PFDS



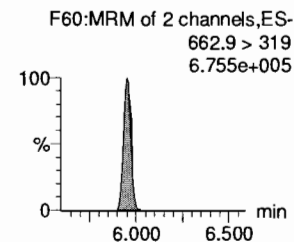
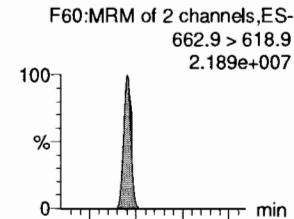
PFUdA



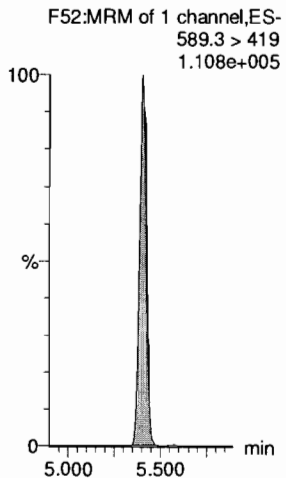
N-MeFOSA



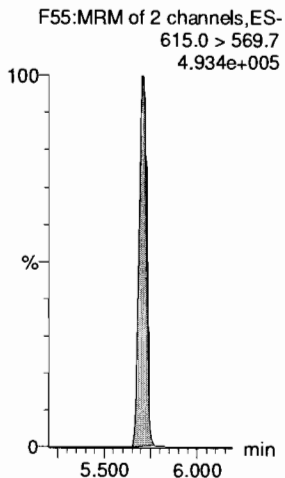
PFTrDA



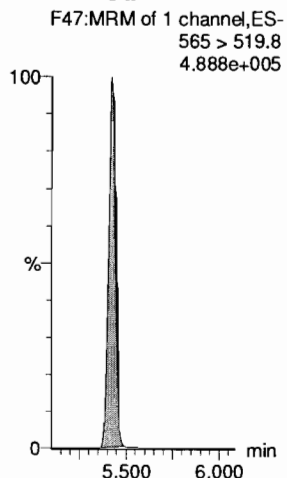
d5-N-EtFOSAA



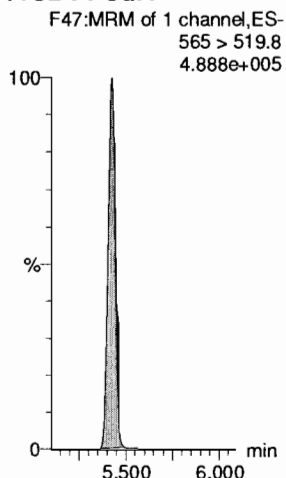
13C2-PFDoA



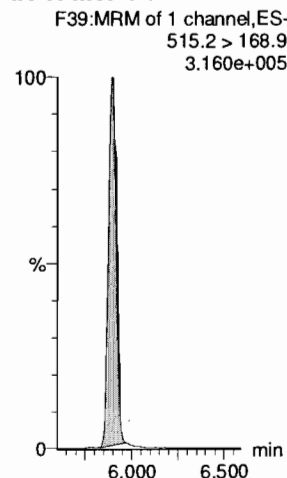
13C2-PFUdA



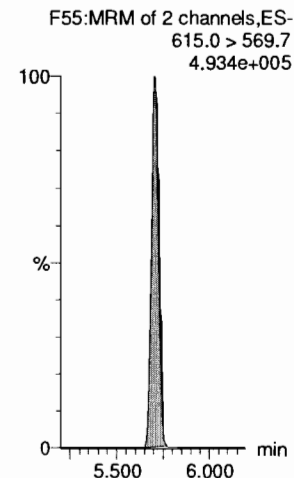
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

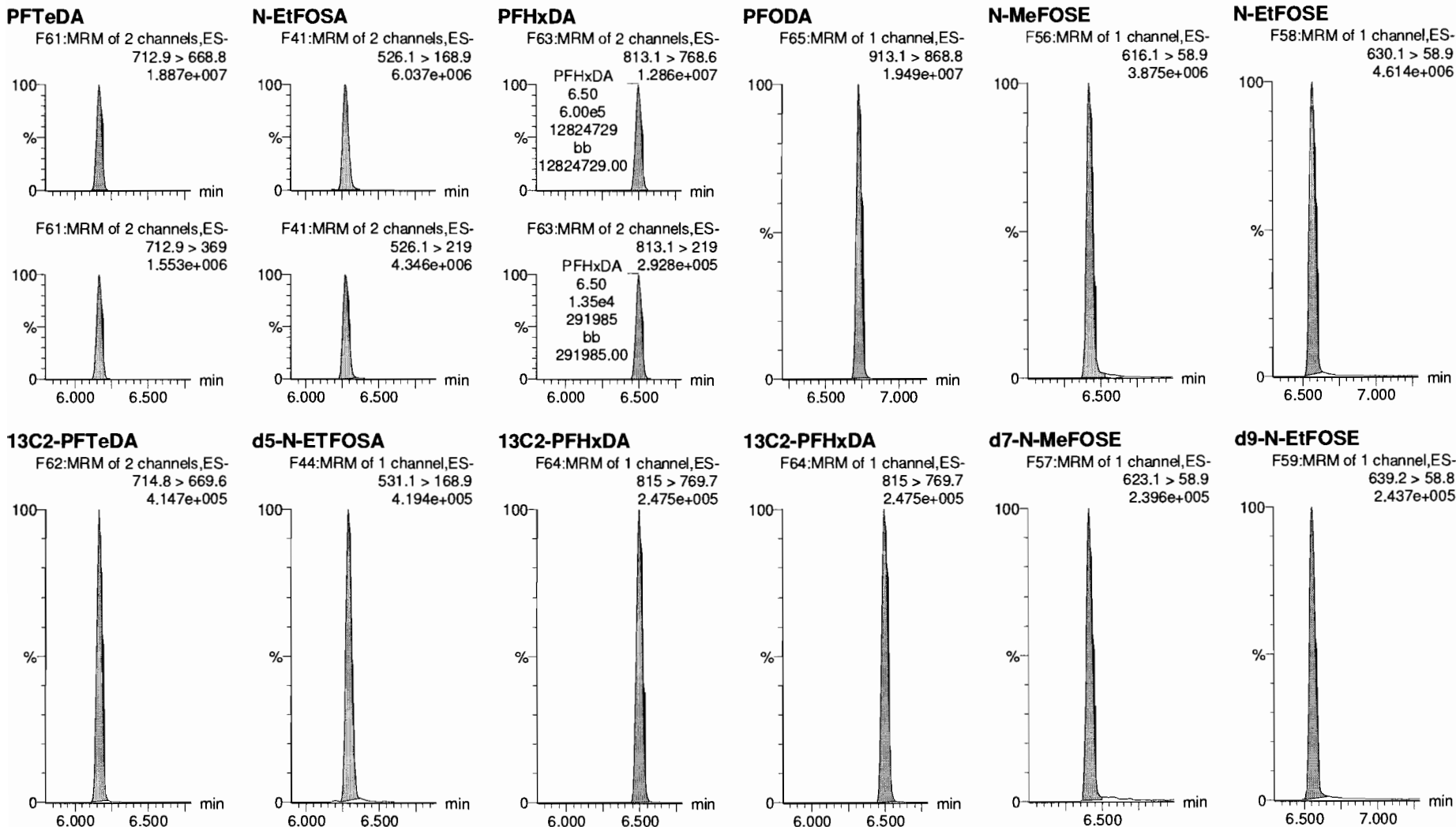


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_12, Date: 28-May-2018, Time: 17:48:24, ID: ST180528M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211



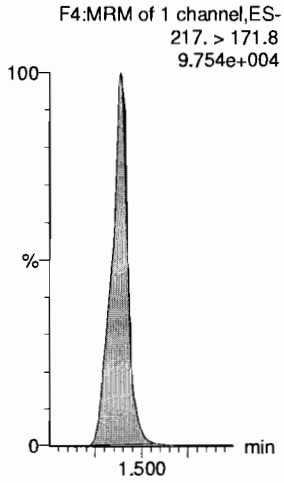
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

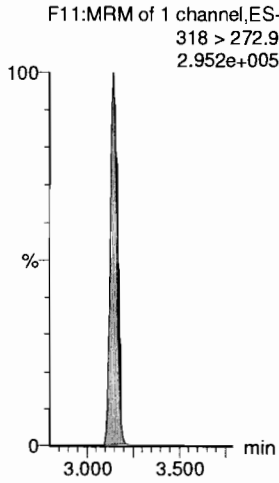
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_12, Date: 28-May-2018, Time: 17:48:24, ID: ST180528M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211

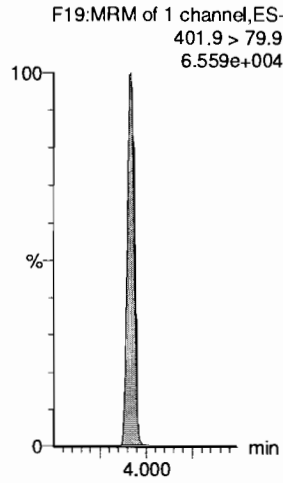
13C4-PFBA



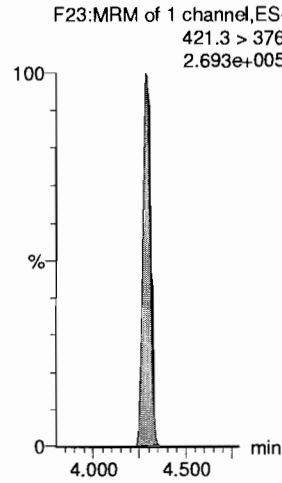
13C5-PFHxA



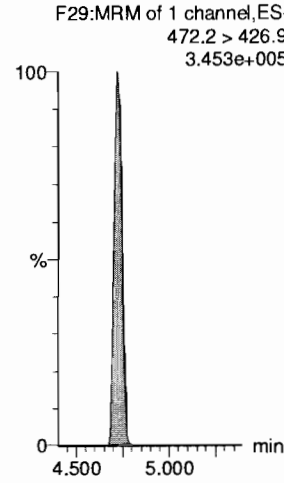
13C3-PFHxS



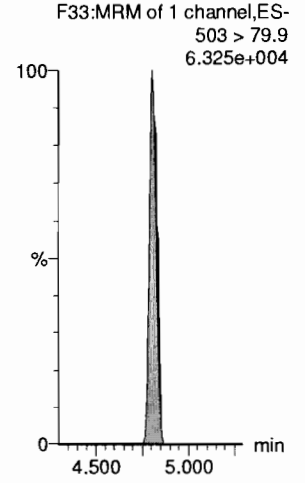
13C8-PFOA



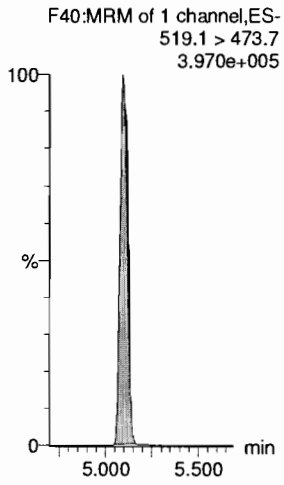
13C9-PFNA



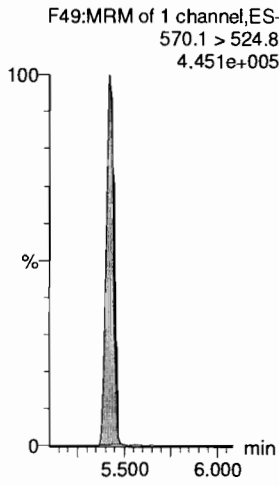
13C4-PFOS



13C6-PFDA



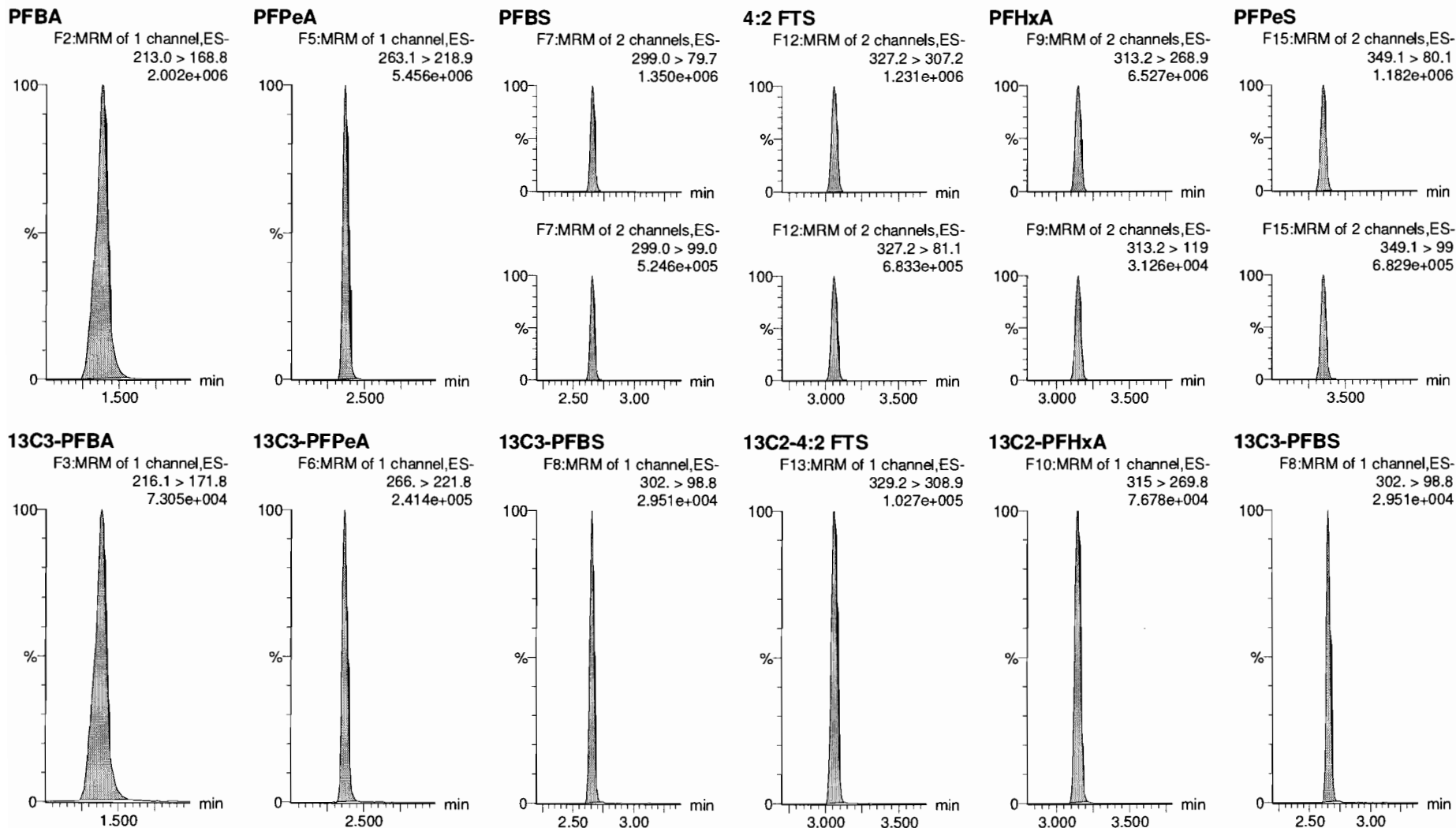
13C7-PFuDA



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_11, Date: 28-May-2018, Time: 17:37:54, ID: ST180528M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

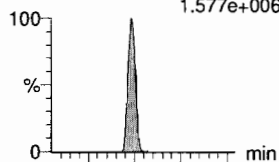
Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_11, Date: 28-May-2018, Time: 17:37:54, ID: ST180528M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210

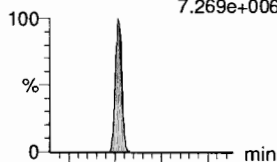
6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
1.577e+006



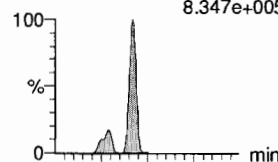
PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
7.269e+006



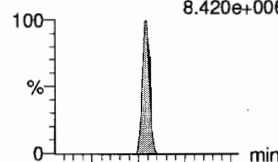
L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
8.347e+005



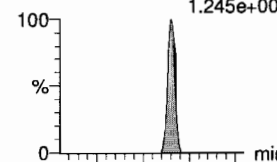
L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
8.420e+006



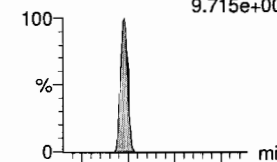
PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
1.245e+006

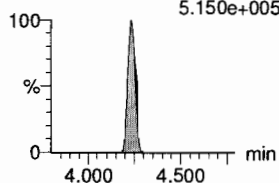


PFNA

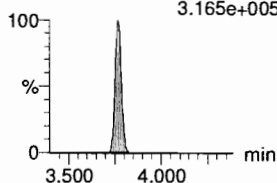
F27:MRM of 2 channels,ES-
463.0 > 418.8
9.715e+006



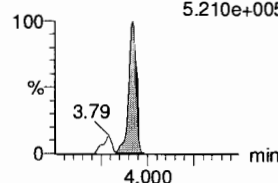
F24:MRM of 2 channels,ES-
427.1 > 80
5.150e+005



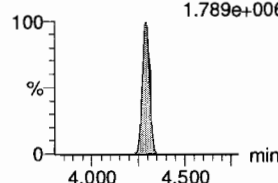
F16:MRM of 2 channels,ES-
363.0 > 169.0
3.165e+005



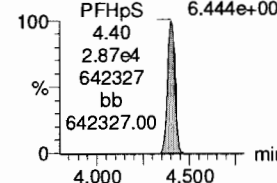
F18:MRM of 2 channels,ES-
398.9 > 99.0
5.210e+005



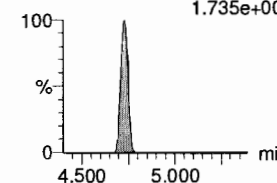
F21:MRM of 2 channels,ES-
413 > 169
1.789e+006



F26:MRM of 2 channels,ES-
449 > 98.7
6.444e+005

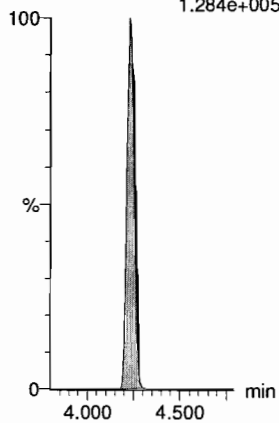


F27:MRM of 2 channels,ES-
463.0 > 219.0
1.735e+006



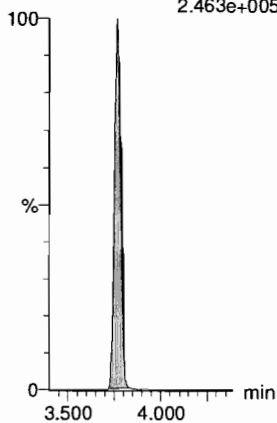
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
1.284e+005



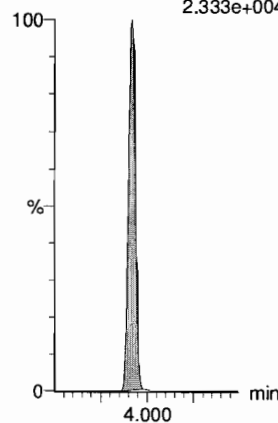
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
2.463e+005



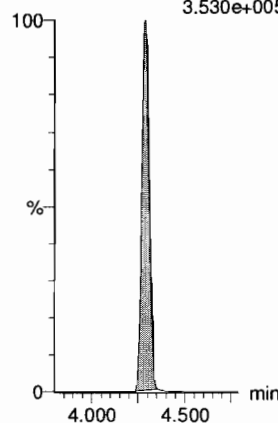
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.333e+004



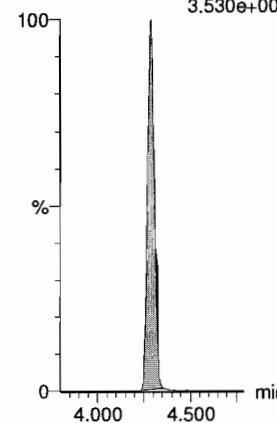
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.530e+005



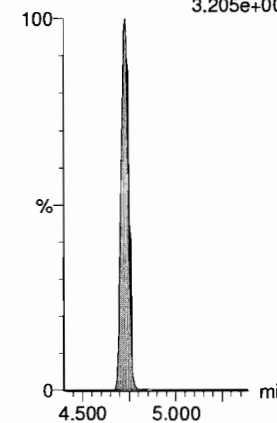
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.530e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
3.205e+005



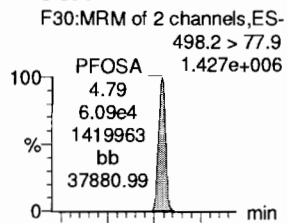
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

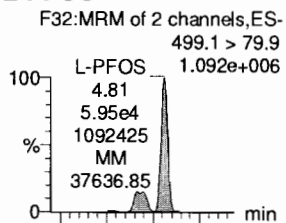
Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_11, Date: 28-May-2018, Time: 17:37:54, ID: ST180528M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210

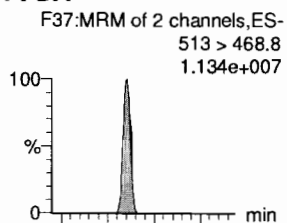
PFOSA



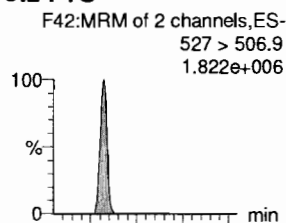
L-PFOS



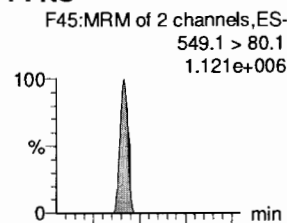
PFDA



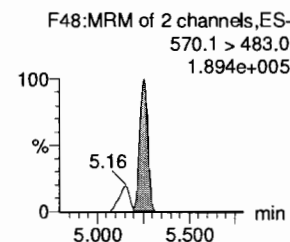
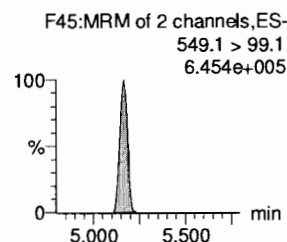
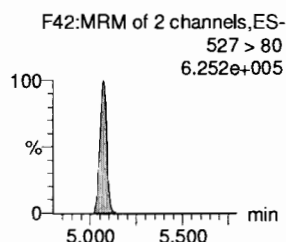
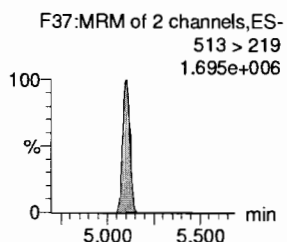
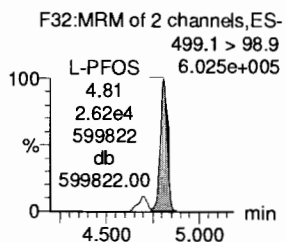
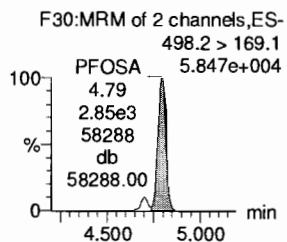
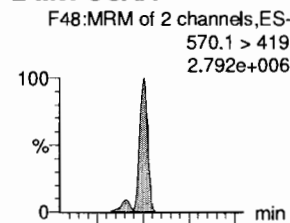
8:2 FTS



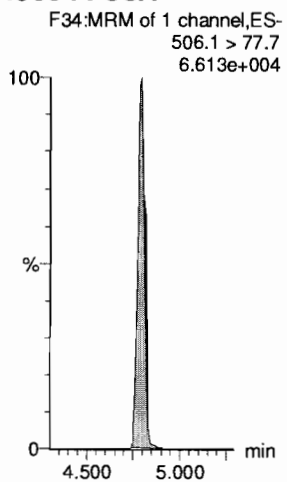
PFNS



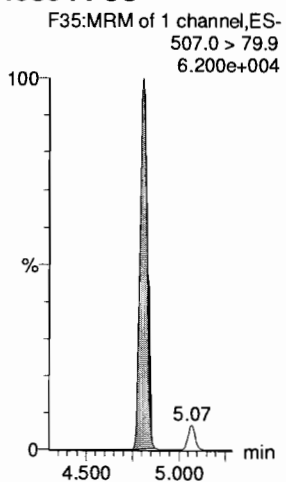
L-MeFOSAA



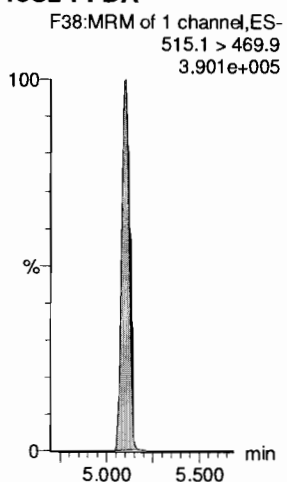
13C8-PFOSA



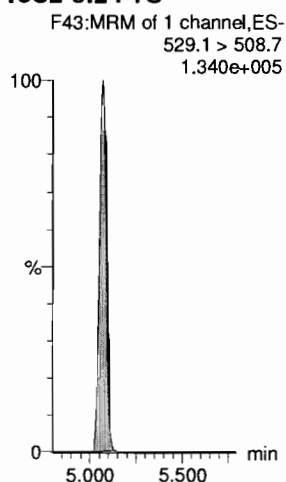
13C8-PFOS



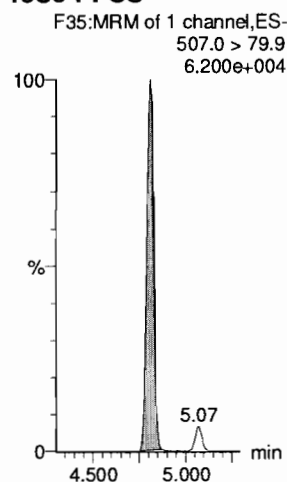
13C2-PFDA



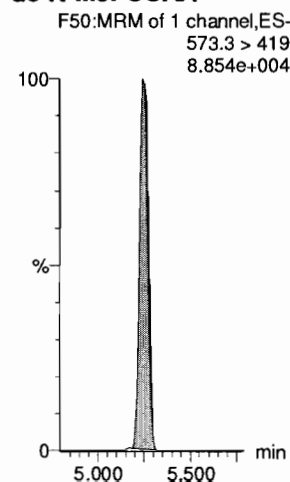
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

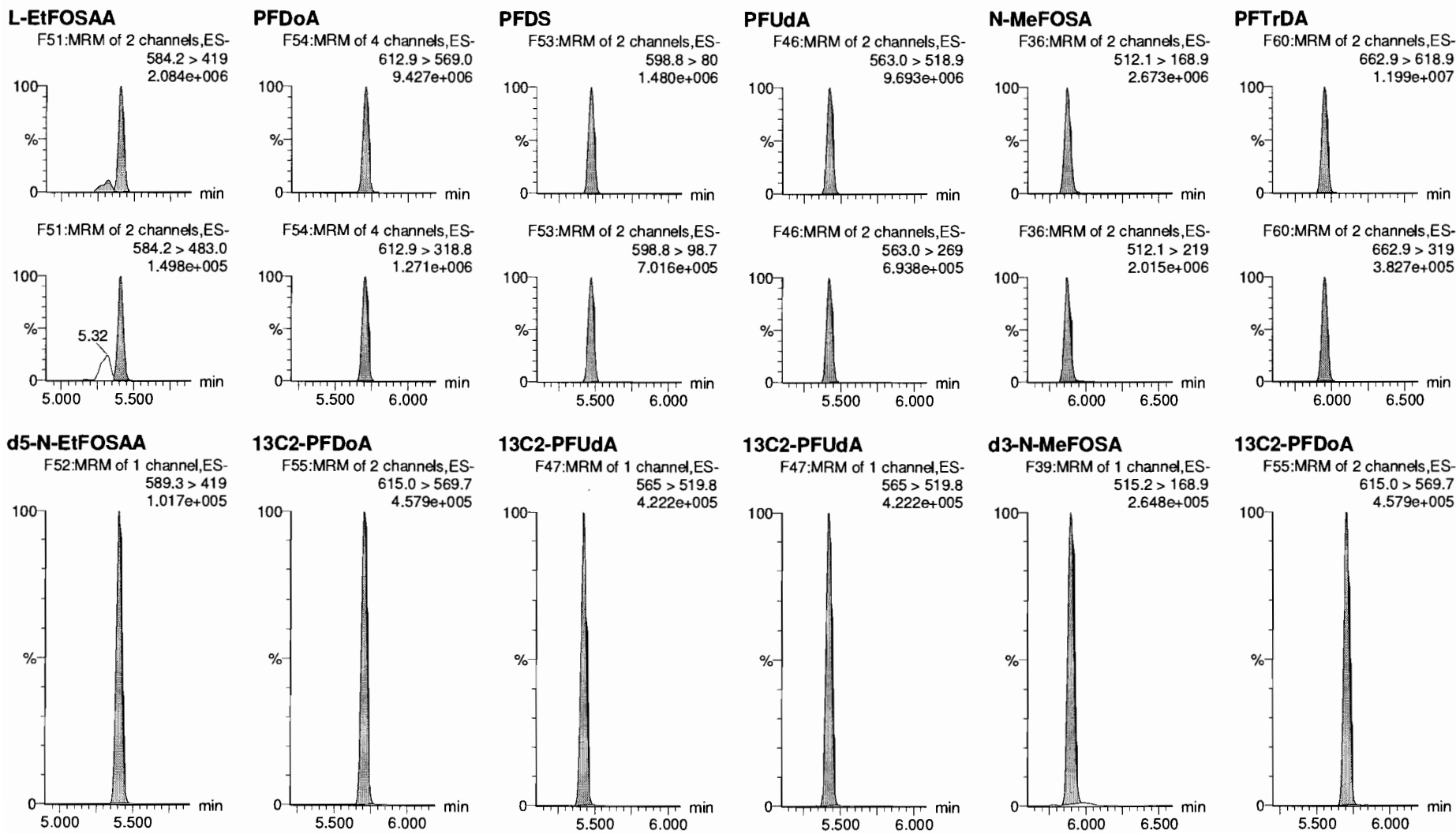


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_11, Date: 28-May-2018, Time: 17:37:54, ID: ST180528M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210

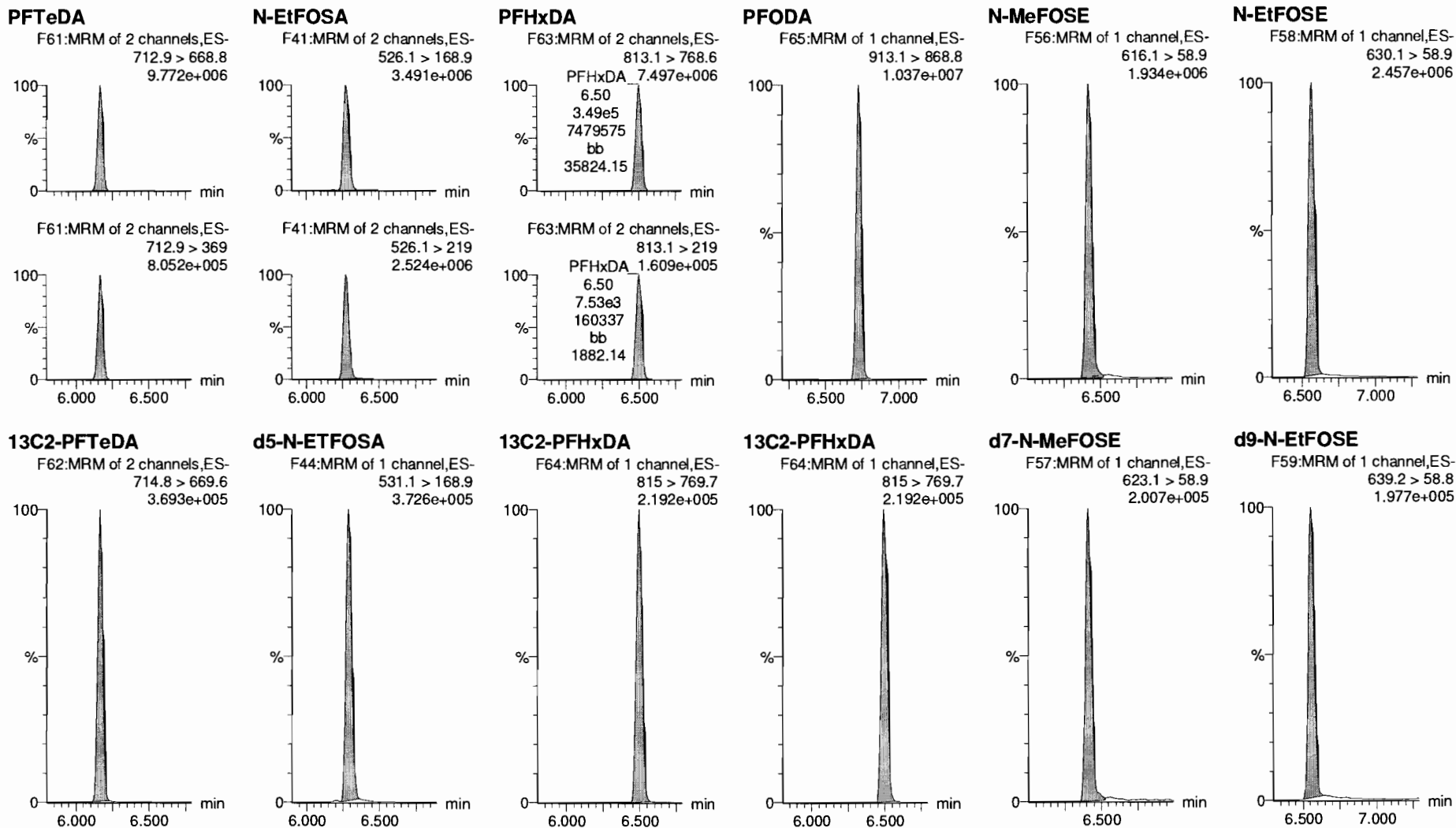


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_11, Date: 28-May-2018, Time: 17:37:54, ID: ST180528M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210

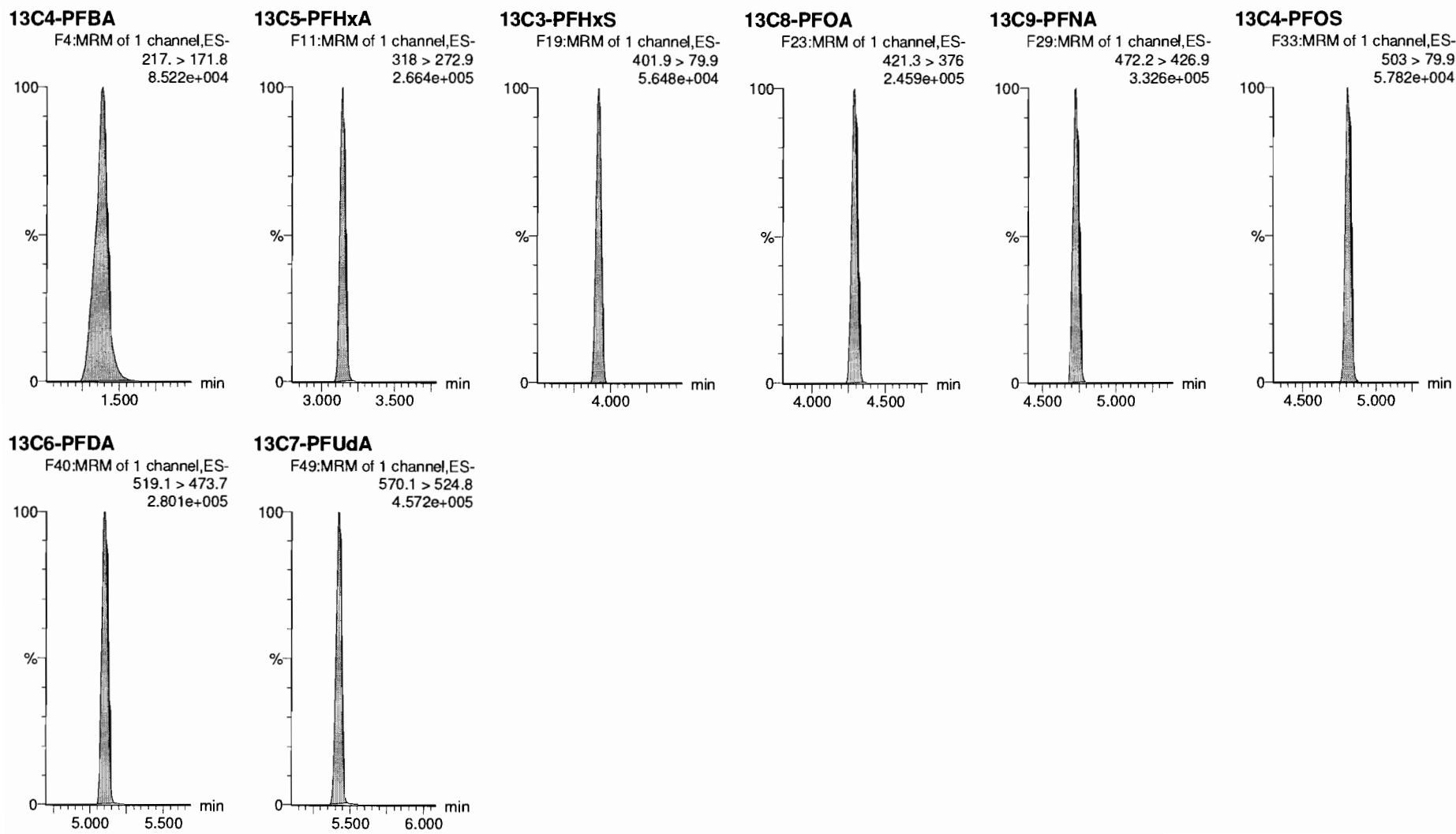


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-CRV.qld

Last Altered: Tuesday, May 29, 2018 12:44:23 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 12:46:33 Pacific Daylight Time

Name: 180528M1_11, Date: 28-May-2018, Time: 17:37:54, ID: ST180528M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210



Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-ICV.qld

Last Altered: Tuesday, May 29, 2018 15:29:39 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 15:30:05 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_14, Date: 28-May-2018, Time: 18:09:21, ID: ICV180528M1-1 PFC 537 ICV 18E1401, Description: PFC ICV 18E1401

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 16...	8.80e3	9.52e3		1.38	1.39	11.6	10.2	102.1	NO		
2	2 PFPeA	263.1 > 21...	1.04e4	1.36e4		2.37	2.37	9.58	9.20	92.0	NO		
3	3 PFBS	299.0 > 79.7	2.39e3	1.67e3		2.66	2.66	18.0	9.95	99.5	NO	2.593	NO
4	4 4:2 FTS	327.2>307.2	2.96e3	3.88e3		3.06	3.06	9.55	9.12	91.2	NO	1.901	NO
5	5 PFHxA	313.2 > 26...	1.45e4	4.92e3		3.15	3.15	14.7	11.3	113.2	NO	248.550	NO
6	6 PFPeS	349.1>80.1	2.30e3	1.67e3		3.35	3.35	17.2	9.42	94.2	NO	1.656	NO
7	7 PFHpA	363.0 > 31...	1.31e4	1.32e4		3.77	3.77	12.5	10.5	104.8	NO	21.570	NO
8	8 L-PFHxS	398.9 > 79.6	1.92e3	1.43e3		3.92	3.92	16.8	9.43	94.3	NO	1.666	NO
9	10 6:2 FTS	427.1 > 407	3.37e3	4.28e3		4.23	4.24	9.85	9.76	97.6	NO	3.098	NO
10	11 L-PFOA	413 > 368.7	1.81e4	2.33e4		4.40	4.29	9.68	11.3	113.4	NO	4.347	NO
11	13 PFHpS	449 > 80.0	2.73e3	2.33e4		4.40	4.40	1.46	9.18	91.8	NO	1.885	NO
12	14 PFNA	463.0 > 41...	2.11e4	1.99e4		4.73	4.73	13.2	10.5	104.5	NO	5.230	NO
13	15 PFOSA	498.2 > 77.9	2.94e3	4.06e3		4.79	4.79	9.06	9.25	92.5	NO	22.524	NO
14	16 L-PFOS	499.1 > 79.9	2.63e3	3.73e3		4.81	4.81	8.82	10.2	101.9	NO	2.033	NO
15	18 PFDA	513 > 468.8	2.21e4	2.81e4		5.10	5.10	9.82	9.44	94.4	NO	6.697	NO
16	19 8:2 FTS	527 > 506.9	3.79e3	3.76e3		5.07	5.07	12.6	9.44	94.4	NO	3.241	NO
17	20 PFNS	549.1>80.1	2.24e3	3.73e3		5.16	5.16	7.49	9.41	94.1	NO	1.634	NO
18	21 L-MeFOSAA	570.1 > 419	8.45e3	6.20e3		5.25	5.25	17.0	12.8	127.8	NO	15.862	NO
19	23 L-EtFOSAA	584.2 > 419	6.86e3	7.31e3		5.41	5.41	11.7	11.9	118.6	NO	12.587	NO

✓ AN 5/29/18

✓ 5/29/18

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-ICV.qld

Last Altered: Tuesday, May 29, 2018 15:29:39 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 15:30:14 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Ⓐ not in ICV
AN 5/29/18

Name: 180528M1_14, Date: 28-May-2018, Time: 18:09:21, ID: ICV180528M1-1 PFC 537 ICV 18E1401, Description: PFC ICV 18E1401

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out	Ion Ratio	Ratio out?
1	25 PFUdA	563.0 > 51...	2.00e4	2.66e4		5.42	5.43	9.40	10.5	105.4	NO		13.889	NO
2	26 PFDS	598.8 > 80	2.90e3	2.66e4		5.47	5.47	1.36	12.5	125.3	NO		1.971	NO
3	27 PFDoA	612.9 > 56...	2.46e4	2.74e4		5.70	5.71	11.2	10.7	107.2	NO		8.238	NO
4	28 N-MeFOSA	512.1 > 16...		1.82e4		5.87					NO		Ⓐ	
5	29 PFTTrDA	662.9 > 61...	2.36e4	2.74e4		5.95	5.95	10.8	8.60	86.0	NO		32.423	NO
6	30 PFTeDA	712.9 > 66...	2.14e4	1.86e4		6.17	6.17	14.4	10.5	105.1	NO		12.841	NO
7	31 N-EtFOSA	526.1 > 16...		2.63e4		6.27					NO		Ⓐ	
8	32 PFHxDA	813.1 > 76...		1.34e4		6.50					NO		↓	
9	33 PFODA	913.1 > 86...		1.34e4		6.73					NO			
10	34 N-MeFOSE	616.1 > 58.9		1.48e4		6.42					NO			
11	35 N-EtFOSE	630.1 > 58.9		1.32e4		6.57					NO			
12	36 13C3-PFBA	216.1 > 17...	9.52e3	1.09e4	0.847	1.39	1.39	10.9	12.8	102.8	NO			
13	37 13C3-PFPeA	266. > 221.8	1.36e4	1.55e4	0.852	2.37	2.37	11.0	12.9	103.5	NO			
14	38 13C3-PFBS	302. > 98.8	1.67e3	1.55e4	0.102	2.66	2.66	1.35	13.3	106.1	NO			
15	39 13C2-4:2 FTS	329.2->308.9	3.88e3	1.55e4	0.233	3.06	3.06	3.13	13.4	107.4	NO			
16	40 13C2-PFHxA	315 > 269.8	4.92e3	1.55e4	0.720	3.15	3.15	3.98	5.52	110.4	NO			
17	41 13C4-PFHpA	367.2 > 32...	1.32e4	1.55e4	0.795	3.76	3.77	10.7	13.4	107.3	NO			
18	42 18O2-PFHxS	403.0 > 10...	1.43e3	3.48e3	0.421	3.92	3.92	5.12	12.2	97.3	NO			
19	43 13C2-6:2 FTS	429.1 > 40...	4.28e3	1.56e4	0.280	4.23	4.23	3.43	12.2	97.7	NO			
20	44 13C2-PFOA	414.9 > 36...	2.33e4	1.56e4	1.477	4.29	4.29	18.7	12.7	101.2	NO			
21	45 13C5-PFNA	468.2 > 42...	1.99e4	2.24e4	0.955	4.73	4.73	11.1	11.6	92.9	NO			
22	46 13C8-PFOSA	506.1 > 77.7	4.06e3	2.66e4	0.151	4.79	4.79	1.91	12.6	101.1	NO			
23	47 13C8-PFOS	507.0 > 79.9	3.73e3	3.63e3	1.023	4.81	4.81	12.9	12.6	100.7	NO			
24	48 13C2-PFDA	515.1 > 46...	2.81e4	2.38e4	1.200	5.10	5.10	14.8	12.3	98.5	NO			
25	49 13C2-8:2 FTS	529.1 > 50...	3.76e3	1.55e4	0.224	5.07	5.07	3.04	13.6	108.5	NO			
26	50 d3-N-MeFOSAA	573.3 > 419	6.20e3	2.66e4	0.231	5.25	5.25	2.92	12.6	101.0	NO			
27	51 d5-N-EtFOSAA	589.3 > 419	7.31e3	2.66e4	0.259	5.41	5.41	3.44	13.3	106.4	NO			
28	52 13C2-PFUdA	565 > 519.8	2.66e4	2.66e4	0.996	5.42	5.43	12.5	12.6	100.6	NO			
29	53 13C2-PFDoA	615.0 > 56...	2.74e4	2.38e4	1.247	5.70	5.71	14.4	11.6	92.6	NO			
30	54 d3-N-MeFOSA	515.2 > 16...	1.82e4	2.66e4	0.053	5.90	5.90	8.56	162	108.0	NO			
31	55 13C2-PFTeDA	714.8 > 66...	1.86e4	2.66e4	0.792	6.17	6.17	8.74	11.0	88.3	NO			
32	56 d5-N-ETFOSA	531.1 > 16...	2.63e4	2.66e4	0.076	6.29	6.29	12.3	162	108.2	NO			

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-ICV.qld

Last Altered: Tuesday, May 29, 2018 15:29:39 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 15:30:14 Pacific Daylight Time

Name: 180528M1_14, Date: 28-May-2018, Time: 18:09:21, ID: ICV180528M1-1 PFC 537 ICV 18E1401, Description: PFC ICV 18E1401

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
33	57 13C2-PFHxDA	815 > 769.7	1.34e4	2.66e4	1.211	6.50	6.50	6.28	5.19	103.8	NO		
34	58 d7-N-MeFOSE	623.1 > 58.9	1.48e4	2.66e4	0.040	6.42	6.42	6.96	172	114.9	NO		
35	59 d9-N-EiFOSE	639.2 > 58.8	1.32e4	2.66e4	0.041	6.56	6.56	6.23	153	101.7	NO		
36	60 13C4-PFBA	217. > 171.8	1.09e4	1.09e4	1.000	1.39	1.39	12.5	12.5	100.0	NO		
37	61 13C5-PFHxA	318 > 272.9	1.55e4	1.55e4	1.000	3.14	3.15	12.5	12.5	100.0	NO		
38	62 13C3-PFHxS	401.9 > 79.9	3.48e3	3.48e3	1.000	3.92	3.92	12.5	12.5	100.0	NO		
39	63 13C8-PFOA	421.3 > 376	1.56e4	1.56e4	1.000	4.29	4.29	12.5	12.5	100.0	NO		
40	64 13C9-PFNA	472.2 > 42...	2.24e4	2.24e4	1.000	4.72	4.73	12.5	12.5	100.0	NO		
41	65 13C4-PFOS	503 > 79.9	3.63e3	3.63e3	1.000	4.81	4.81	12.5	12.5	100.0	NO		
42	66 13C6-PFDA	519.1 > 47...	2.38e4	2.38e4	1.000	5.10	5.10	12.5	12.5	100.0	NO		
43	67 13C7-PFUdA	570.1 > 52...	2.66e4	2.66e4	1.000	5.42	5.43	12.5	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-ICV.qld

Last Altered: Tuesday, May 29, 2018 15:29:39 Pacific Daylight Time

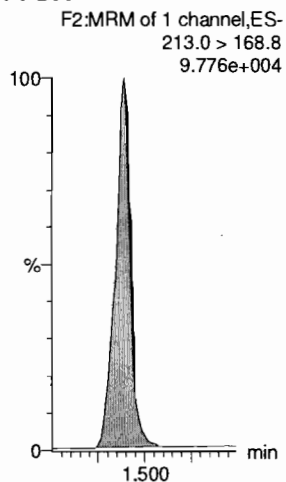
Printed: Tuesday, May 29, 2018 15:30:14 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052818.mdb 29 May 2018 09:42:04

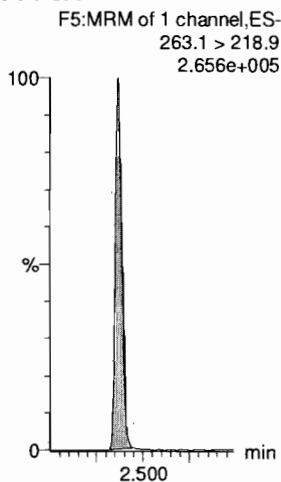
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-28-18.cdb 29 May 2018 14:48:48

Name: 180528M1_14, Date: 28-May-2018, Time: 18:09:21, ID: ICV180528M1-1 PFC 537 ICV 18E1401, Description: PFC ICV 18E1401

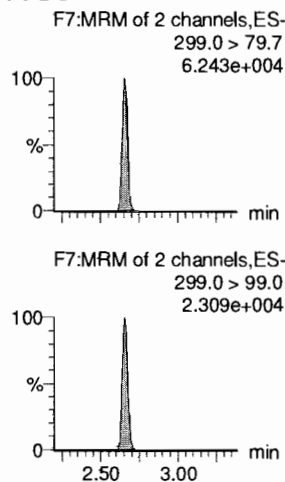
PFBA



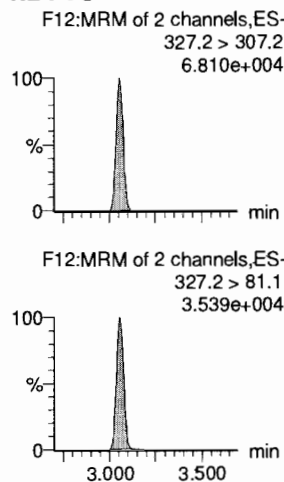
PFPeA



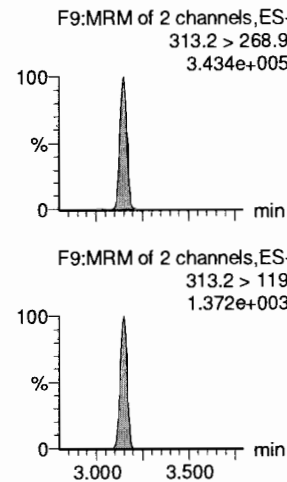
PFBS



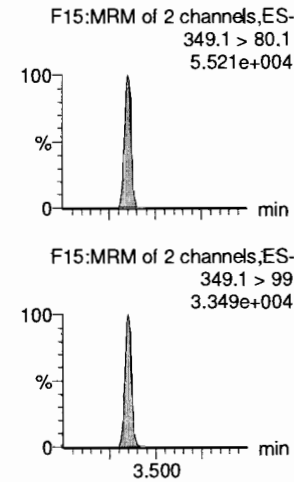
4:2 FTS



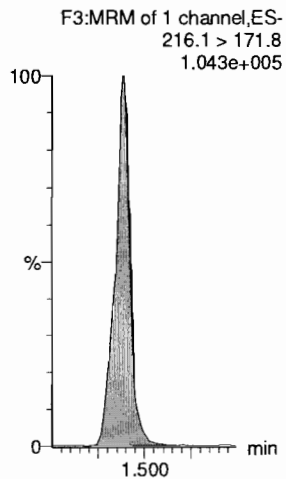
PFHxA



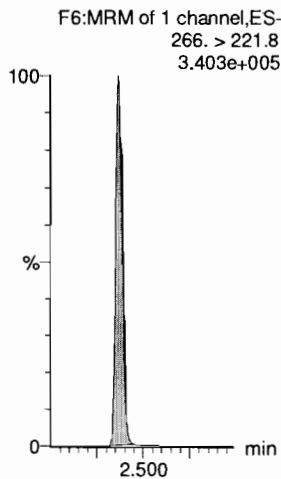
PFPeS



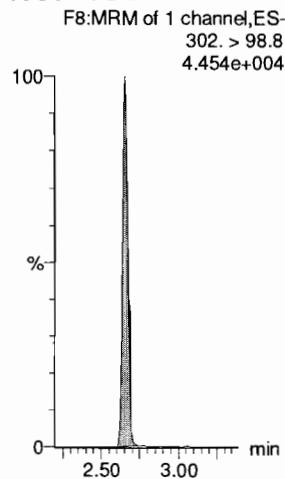
13C3-PFBA



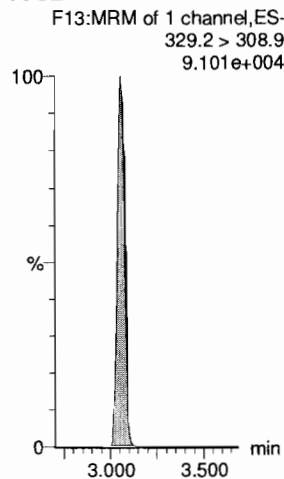
13C3-PFPeA



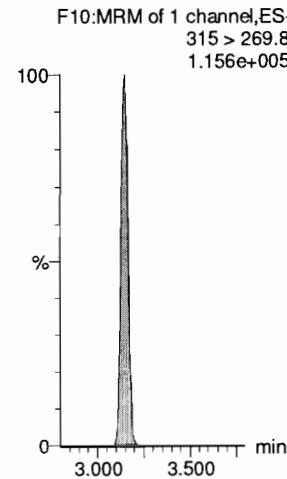
13C3-PFBS



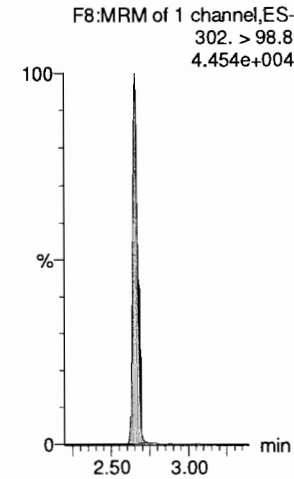
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



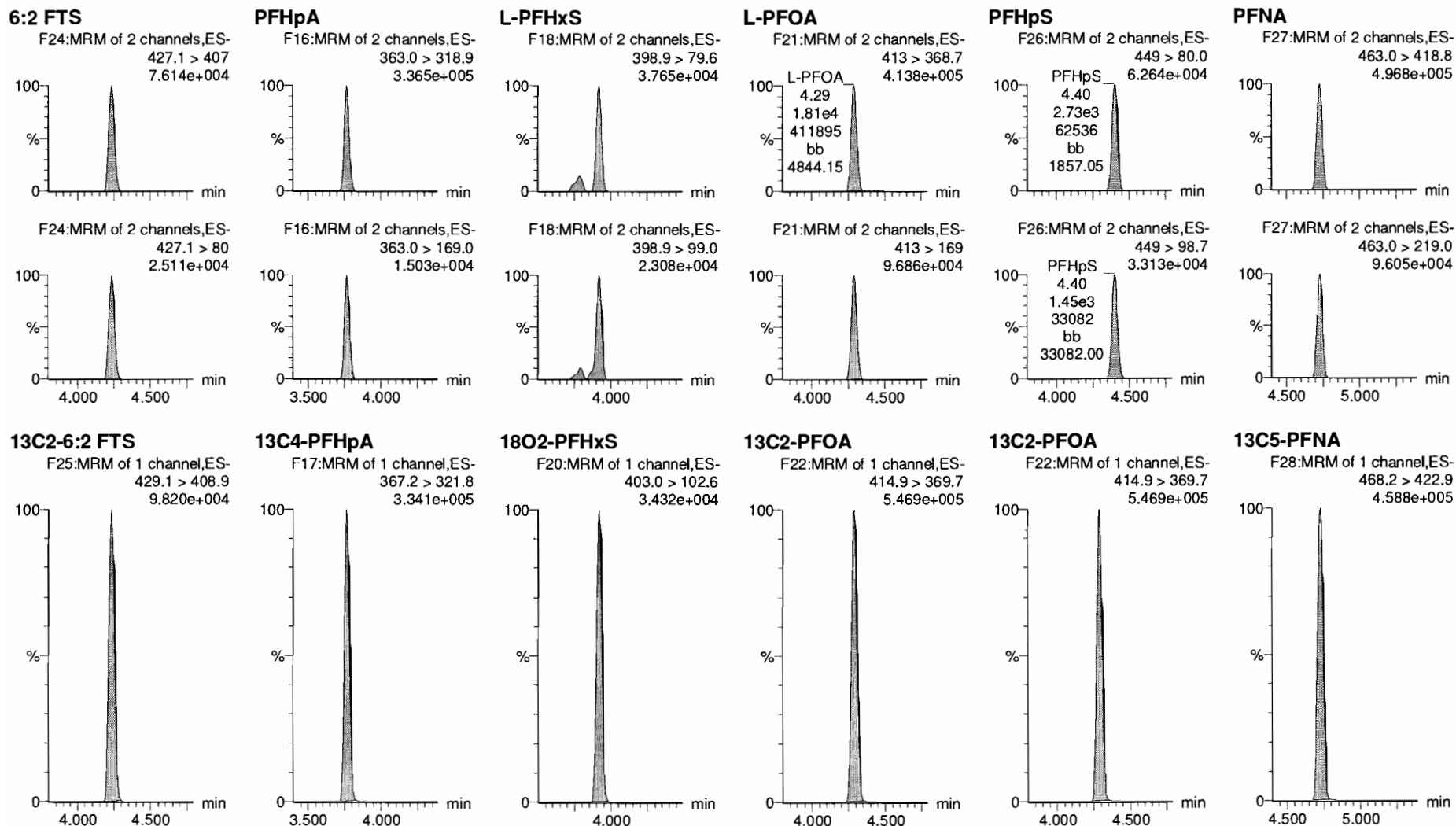
JAN 5/29/18

Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-ICV.qld

Last Altered: Tuesday, May 29, 2018 15:29:39 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 15:30:14 Pacific Daylight Time

Name: 180528M1_14, Date: 28-May-2018, Time: 18:09:21, ID: ICV180528M1-1 PFC 537 ICV 18E1401, Description: PFC ICV 18E1401



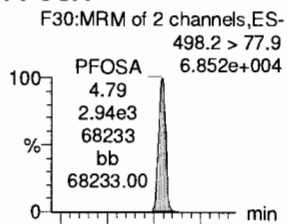
Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-ICV.qld

Last Altered: Tuesday, May 29, 2018 15:29:39 Pacific Daylight Time

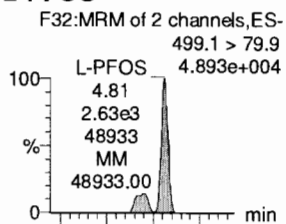
Printed: Tuesday, May 29, 2018 15:30:14 Pacific Daylight Time

Name: 180528M1_14, Date: 28-May-2018, Time: 18:09:21, ID: ICV180528M1-1 PFC 537 ICV 18E1401, Description: PFC ICV 18E1401

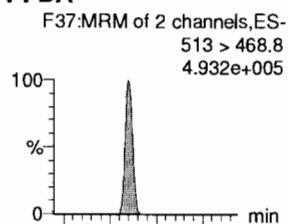
PFOSA



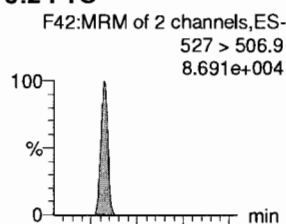
L-PFOS



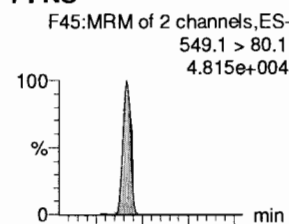
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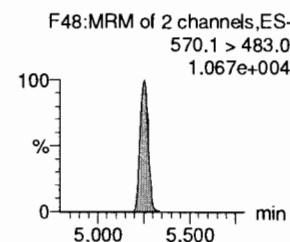
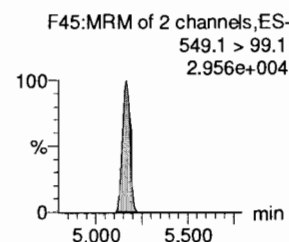
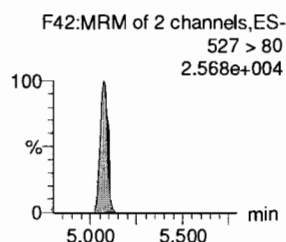
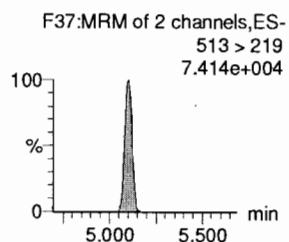
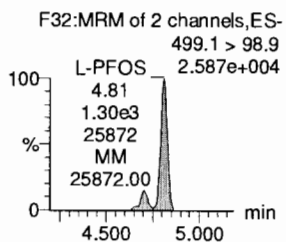
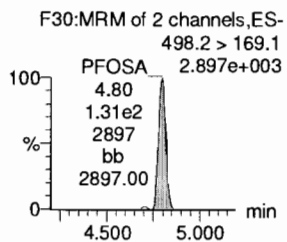
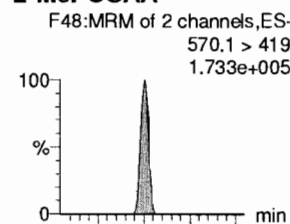
8:2 FTS



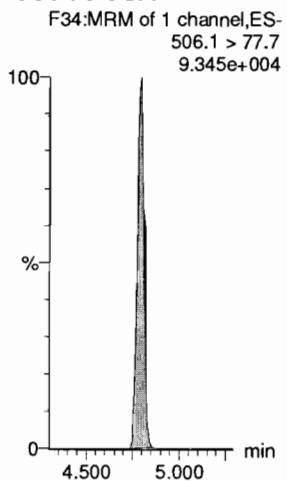
PFNS



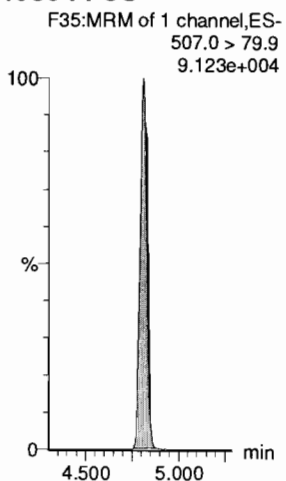
L-MeFOSAA



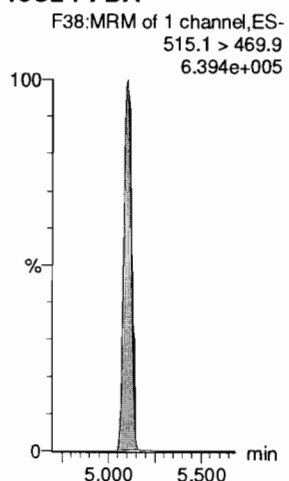
13C8-PFOSA



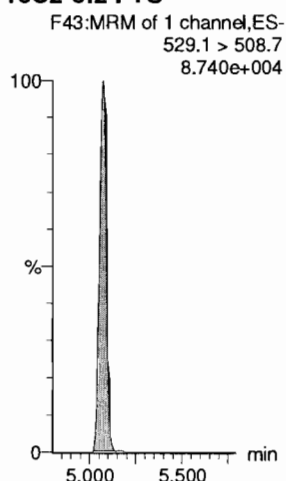
13C8-PFOS



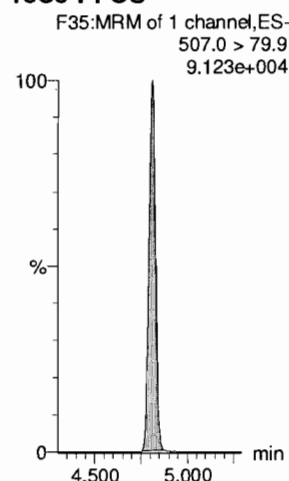
13C2-PFDA



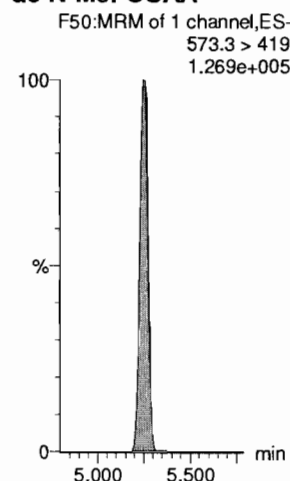
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

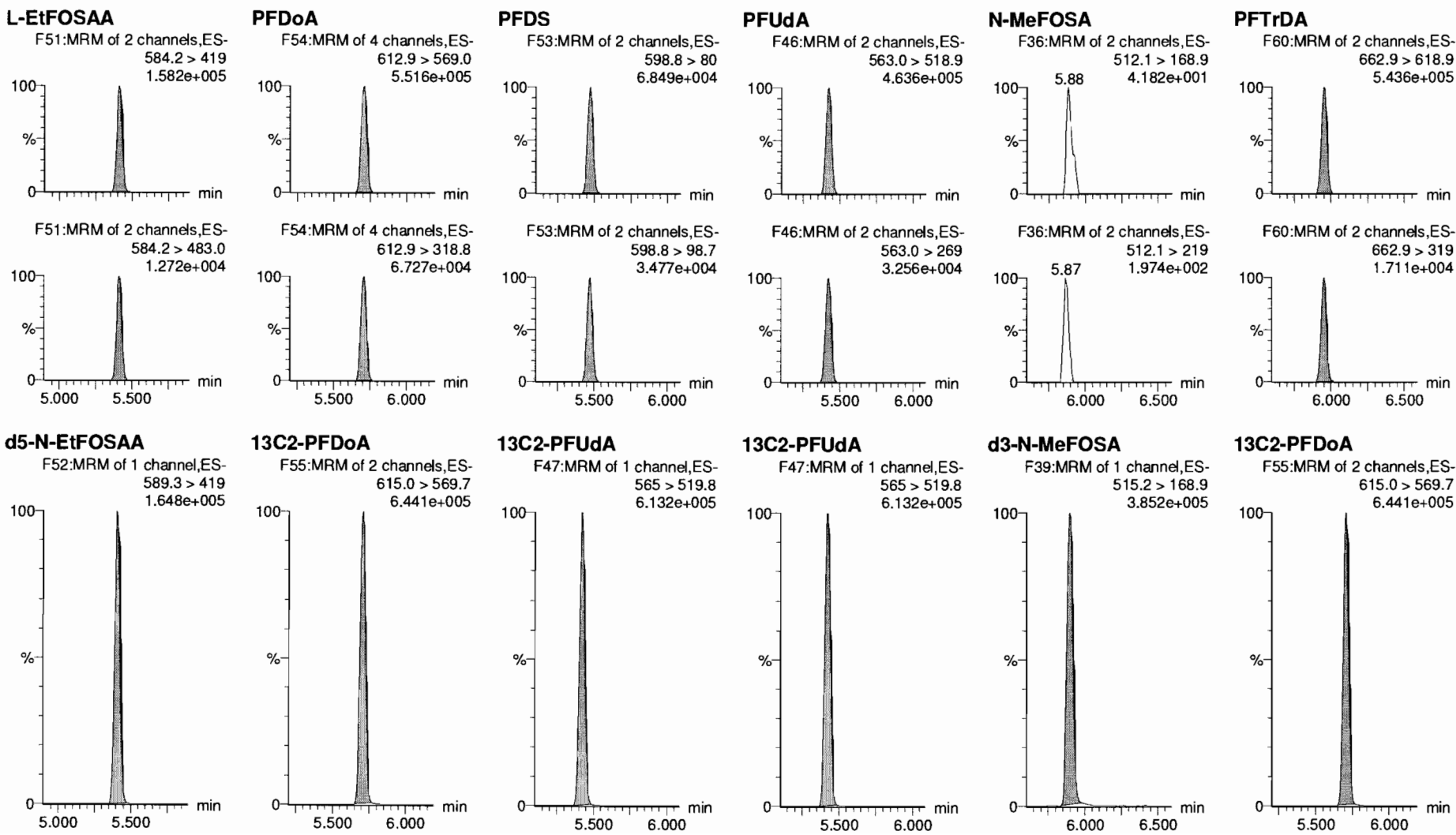


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-ICV.qld

Last Altered: Tuesday, May 29, 2018 15:29:39 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 15:30:14 Pacific Daylight Time

Name: 180528M1_14, Date: 28-May-2018, Time: 18:09:21, ID: ICV180528M1-1 PFC 537 ICV 18E1401, Description: PFC ICV 18E1401

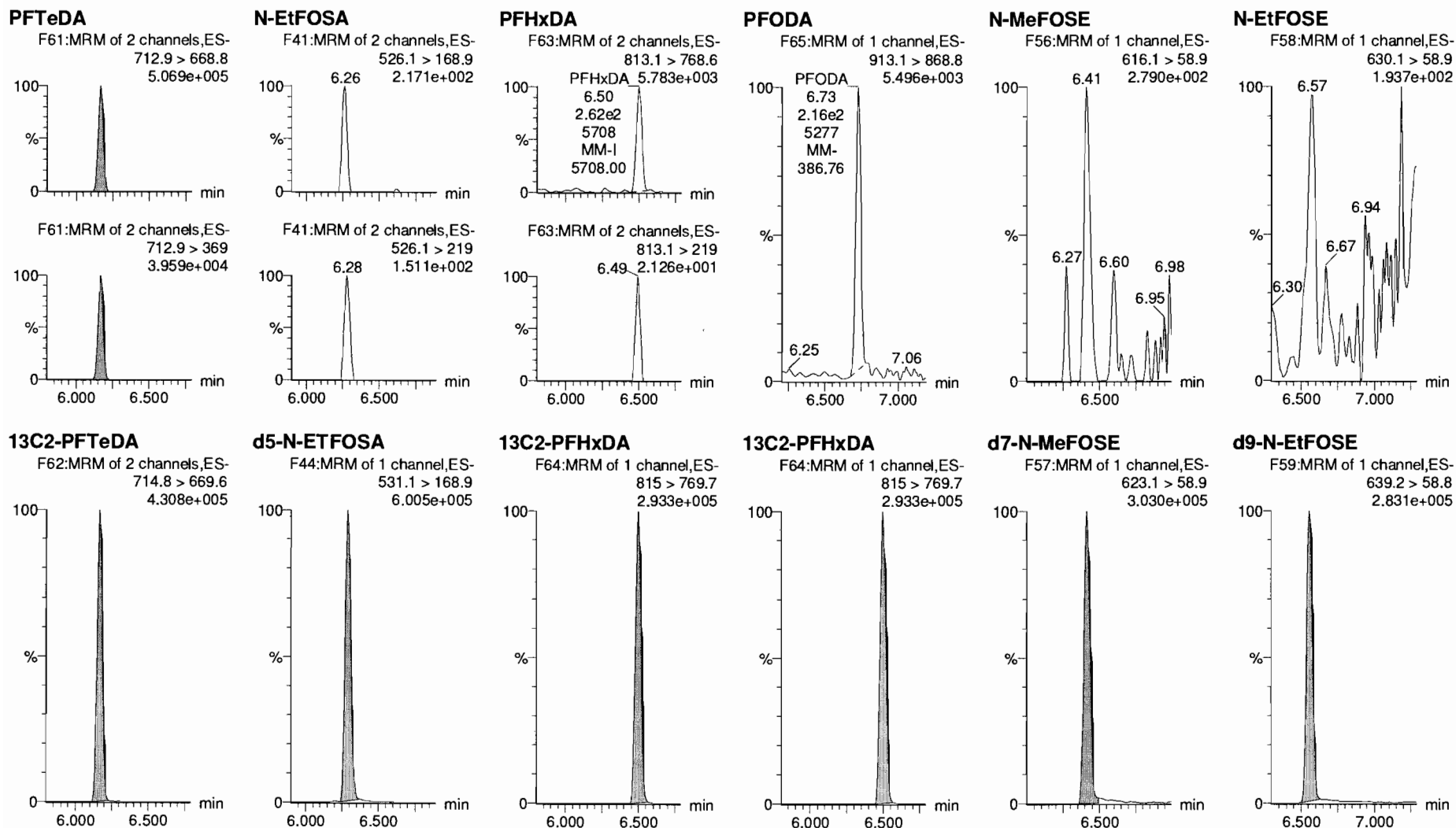


Dataset: F:\Projects\PFAS.PRO\Results\180528M1\180528M1-ICV.qld

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Printed: Tuesday, May 29, 2018 15:30:14 Pacific Daylight Time

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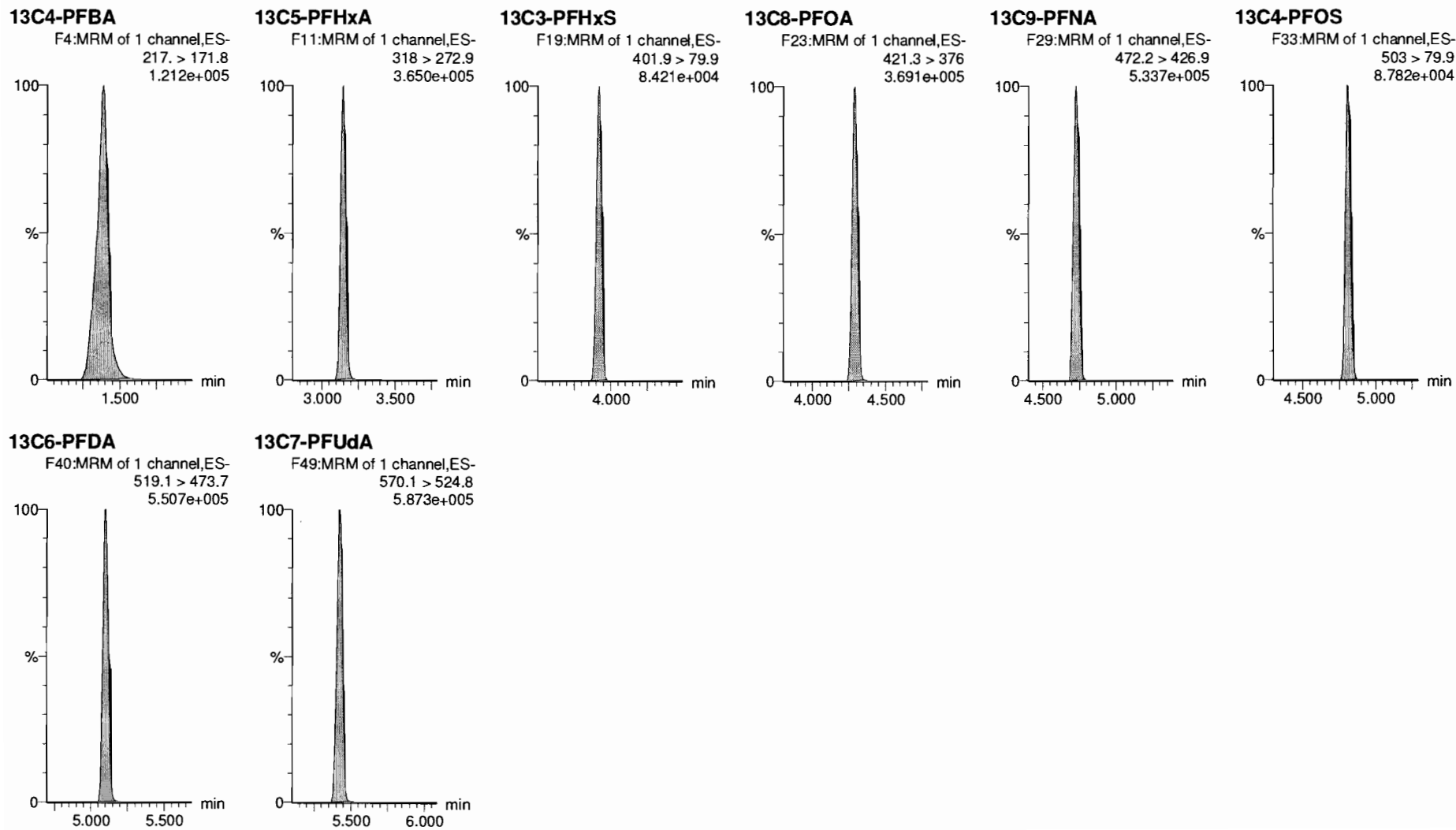


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Last Altered: Tuesday, May 29, 2018 15:29:39 Pacific Daylight Time

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Name: 180528M1_14, Date: 28-May-2018, Time: 18:09:21, ID: ICV180528M1-1 PFC 537 ICV 18E1401, Description: PFC ICV 18E1401



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Last Altered: Tuesday, May 29, 2018 13:36:58 Pacific Daylight Time

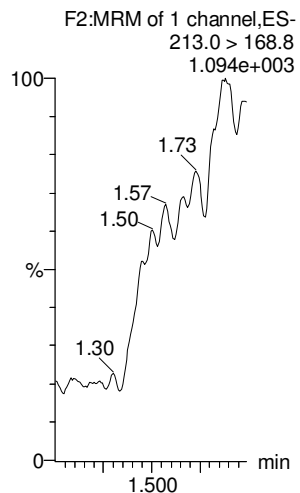
Printed: Tuesday, May 29, 2018 13:37:13 Pacific Daylight Time

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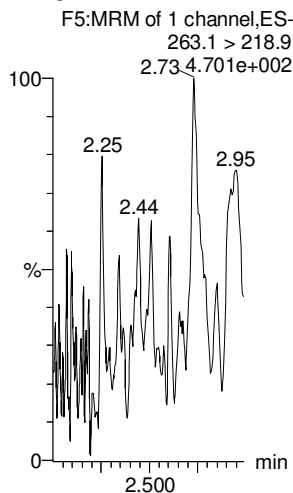
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Name: 180528M1_13, Date: 28-May-2018, Time: 17:58:48, ID: IPA, Description: IPA

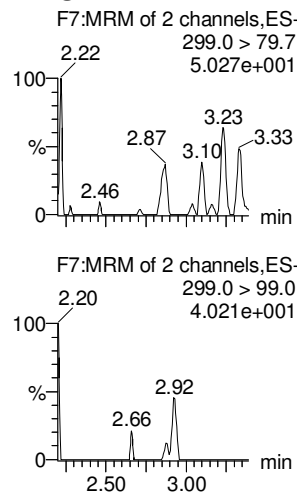
PFBA



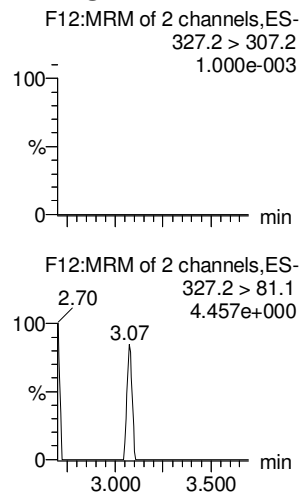
PFPeA



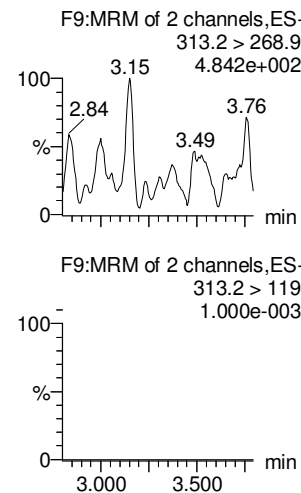
PFBS



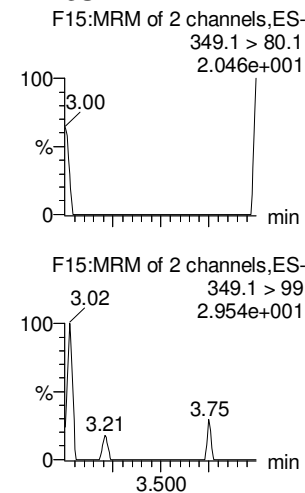
4:2 FTS



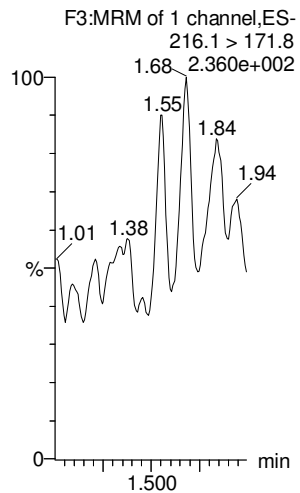
PFHxA



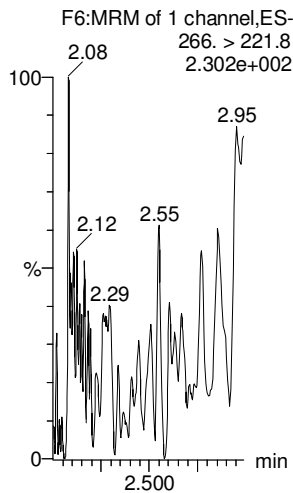
PFPeS



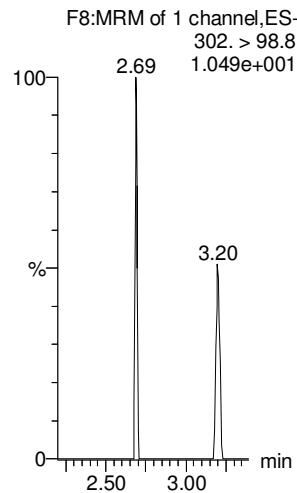
13C3-PFBA



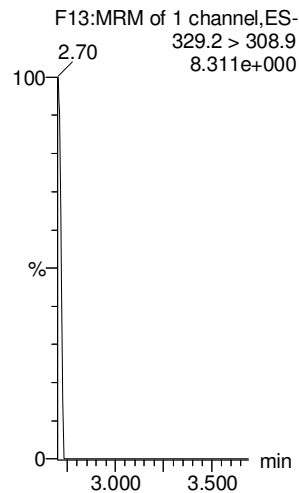
13C3-PFPeA



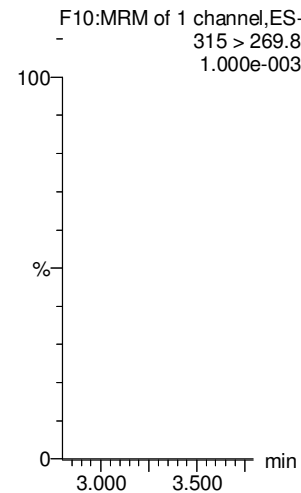
13C3-PFBS



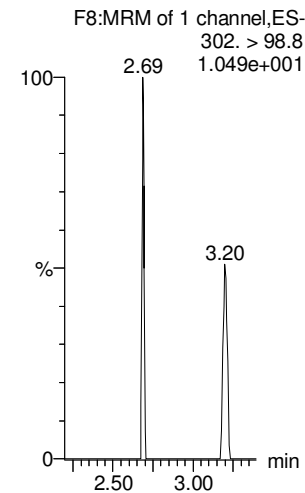
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Untitled

Last Altered: Tuesday, May 29, 2018 13:36:58 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 13:37:13 Pacific Daylight Time

Name: 180528M1_13, Date: 28-May-2018, Time: 17:58:48, ID: IPA, Description: IPA

6:2 FTS

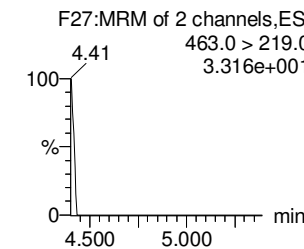
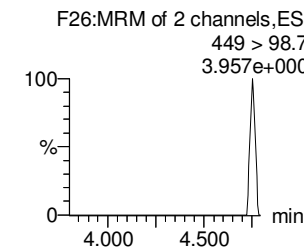
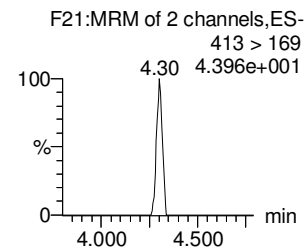
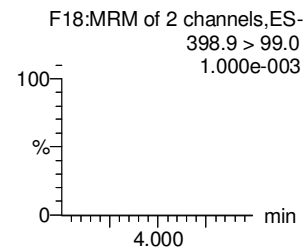
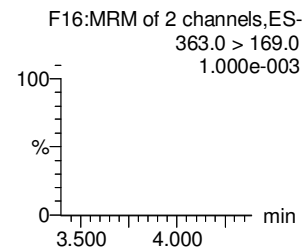
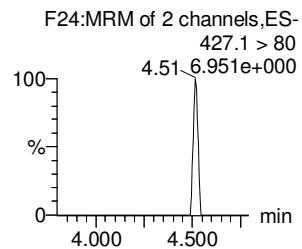
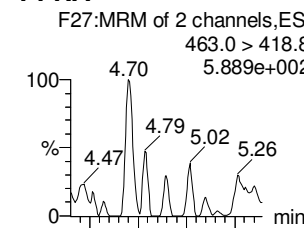
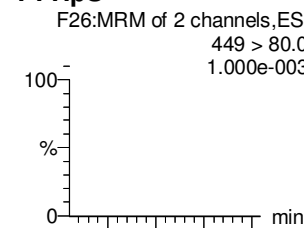
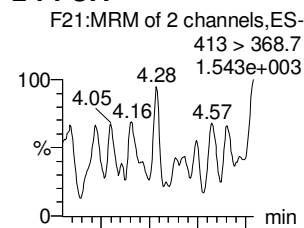
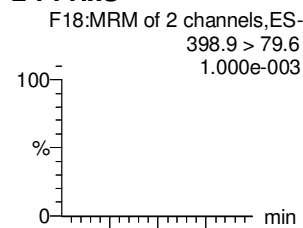
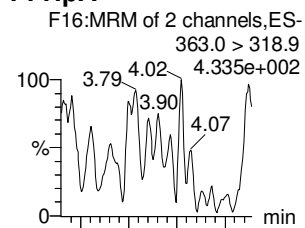
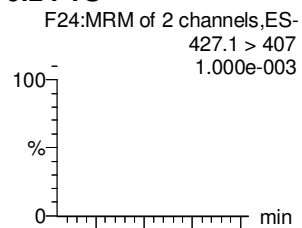
PFHpA

L-PFHxS

L-PFOA

PFHpS

PFNA



13C2-6:2 FTS

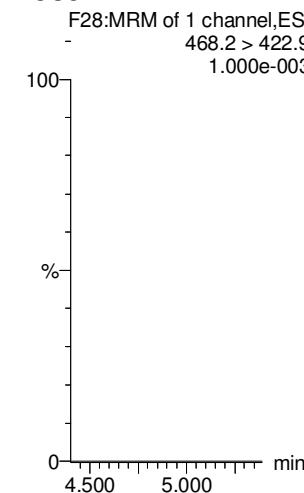
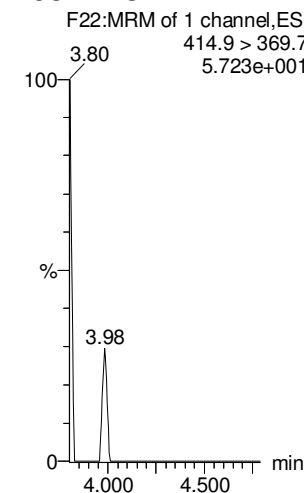
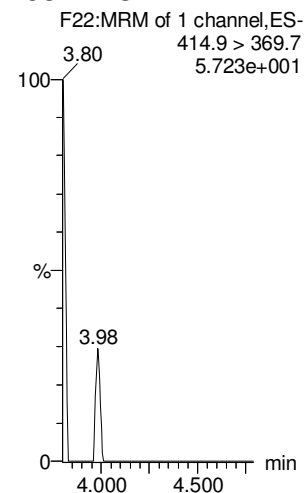
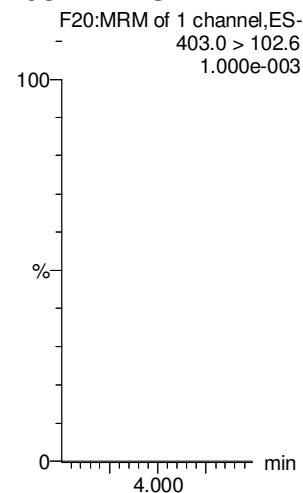
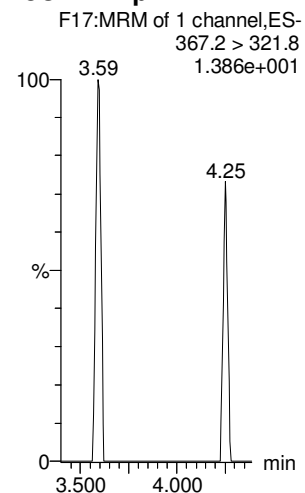
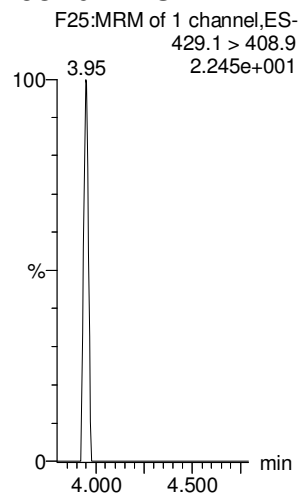
13C4-PFHpA

18O2-PFHxS

13C2-PFOA

13C2-PFOA

13C5-PFNA



Dataset: Untitled

Last Altered: Tuesday, May 29, 2018 13:36:58 Pacific Daylight Time

Printed: Tuesday, May 29, 2018 13:37:13 Pacific Daylight Time

Name: 180528M1_13, Date: 28-May-2018, Time: 17:58:48, ID: IPA, Description: IPA

PFOSA

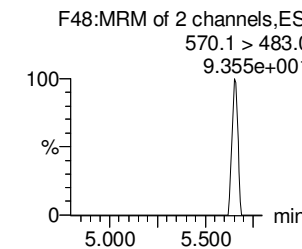
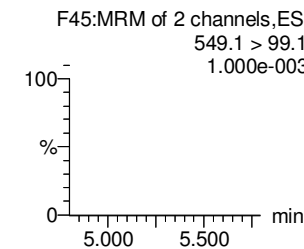
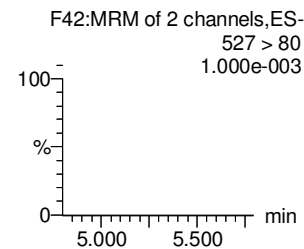
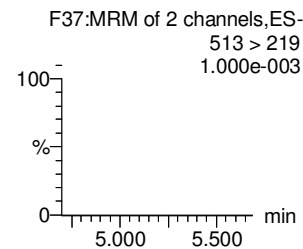
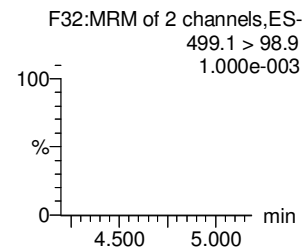
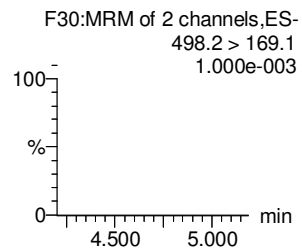
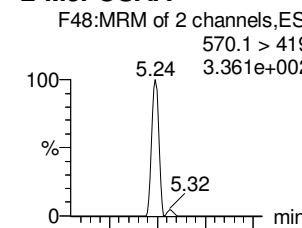
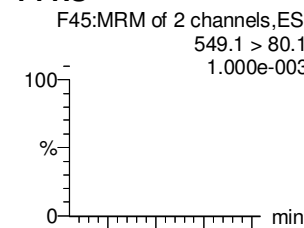
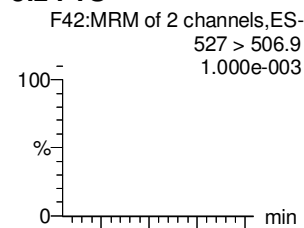
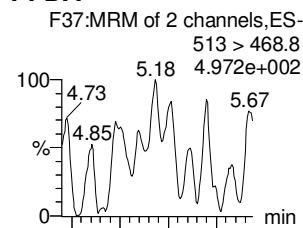
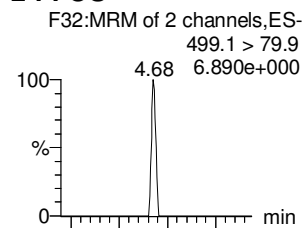
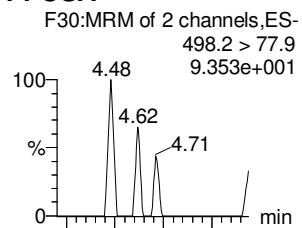
L-PFOS

PFDA

8:2 FTS

PFNS

L-MeFOSAA



13C8-PFOSA

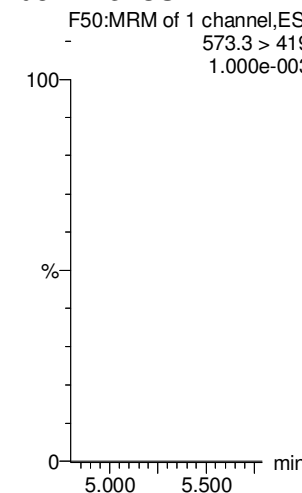
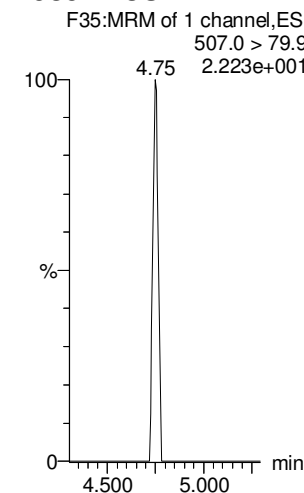
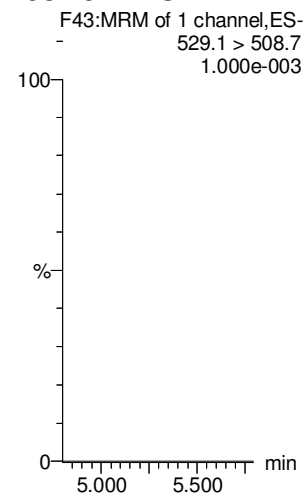
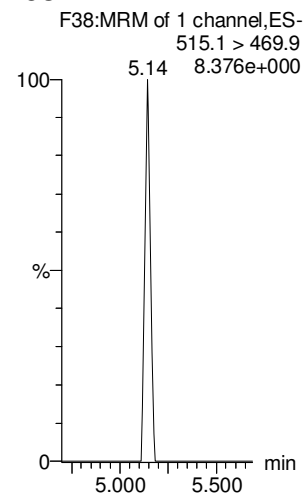
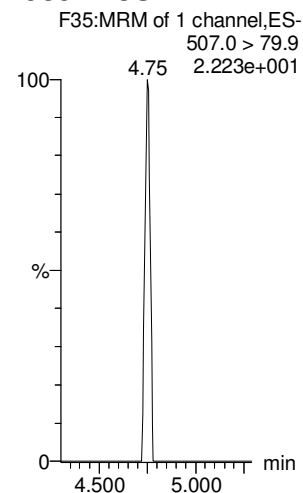
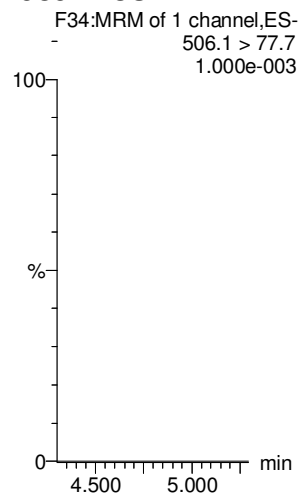
13C8-PFOS

13C2-PFDA

13C2-8:2 FTS

13C8-PFOS

d3-N-MeFOSAA



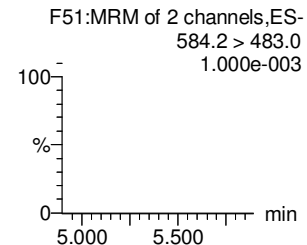
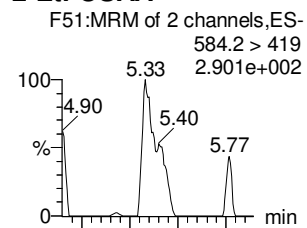
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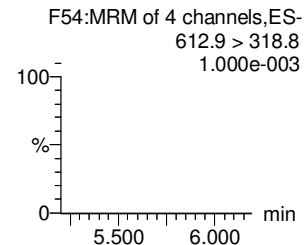
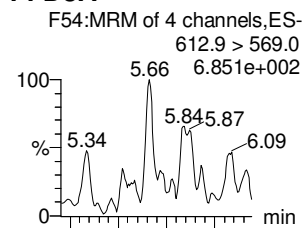
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Name: 180528M1_13, Date: 28-May-2018, Time: 17:58:48, ID: IPA, Description: IPA

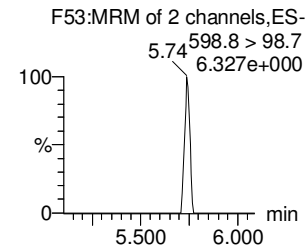
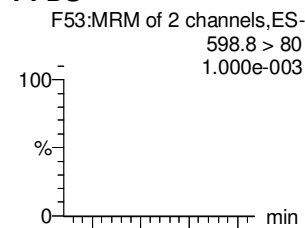
L-EtFOSAA



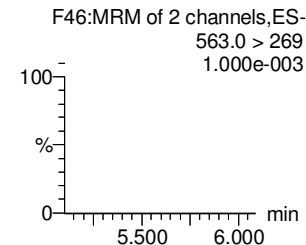
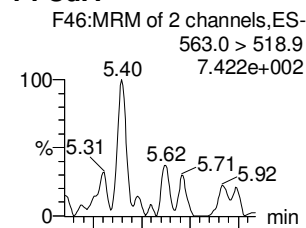
PFDoA



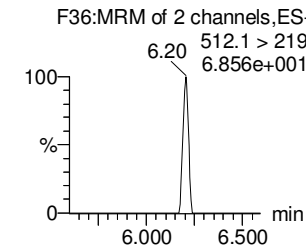
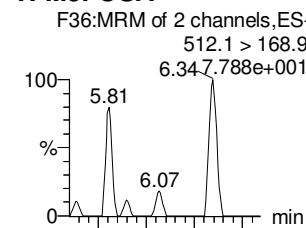
PFDS



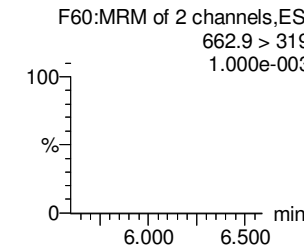
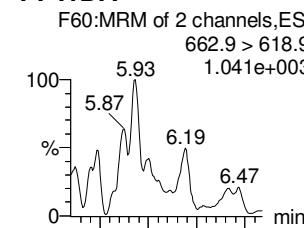
PFUdA



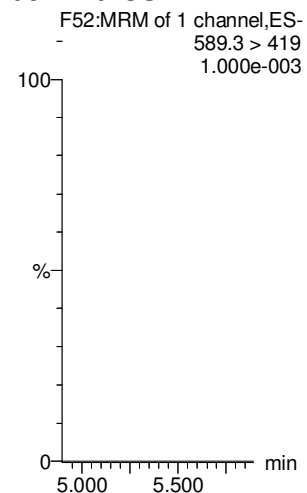
N-MeFOSA



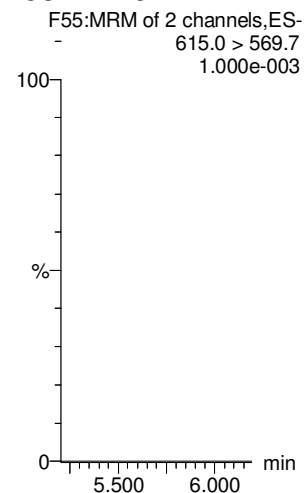
PFTrDA



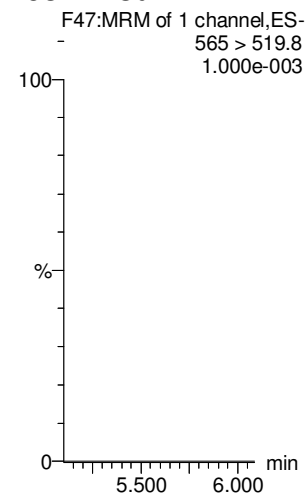
d5-N-EtFOSAA



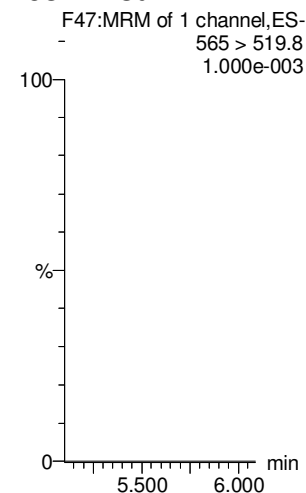
13C2-PFDoA



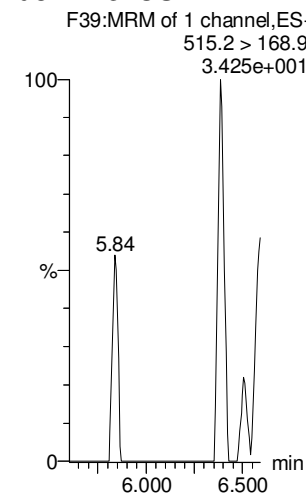
13C2-PFUdA



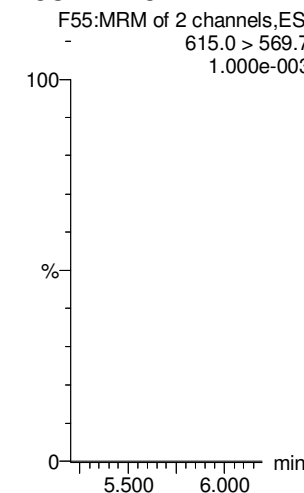
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



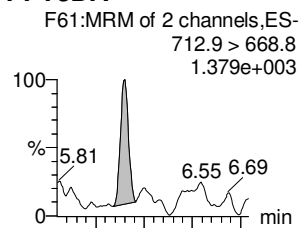
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Last Altered: Tuesday, May 29, 2018 13:36:58 Pacific Daylight Time

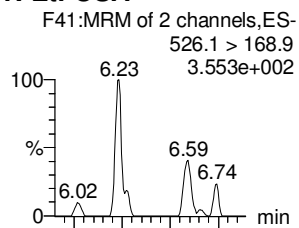
Printed: Tuesday, May 29, 2018 13:37:13 Pacific Daylight Time

Name: 180528M1_13, Date: 28-May-2018, Time: 17:58:48, ID: IPA, Description: IPA

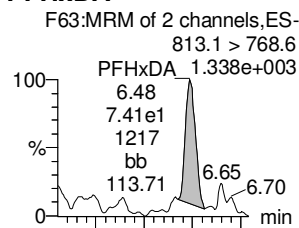
PFTeDA



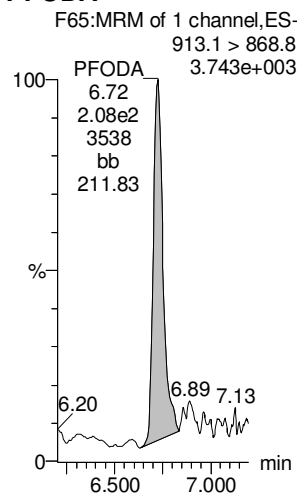
N-EtFOSA



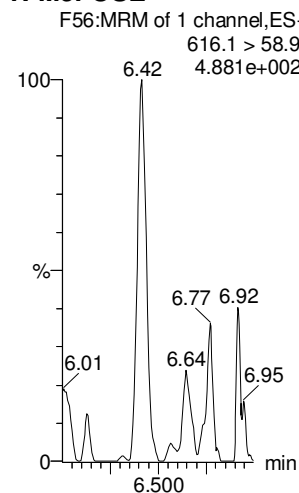
PFHxDA



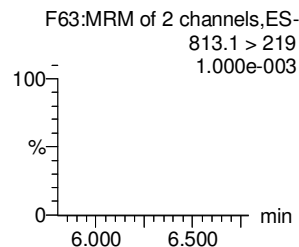
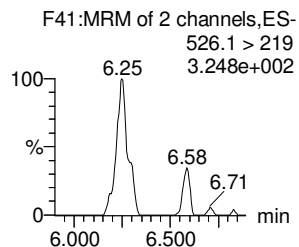
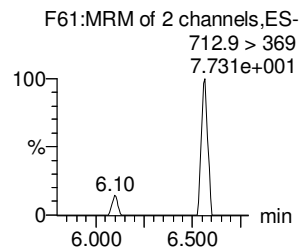
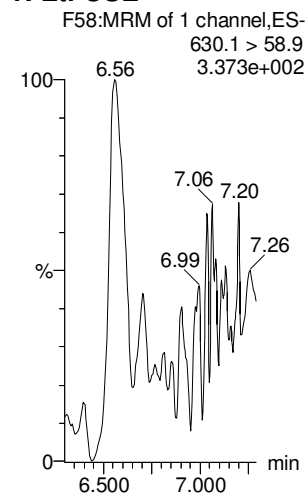
PFODA



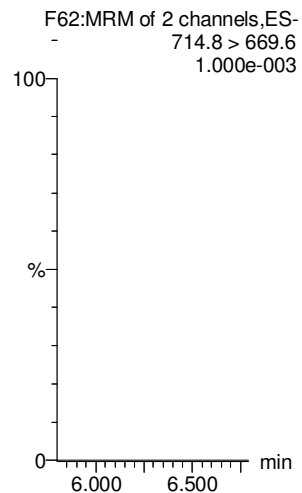
N-MeFOSE



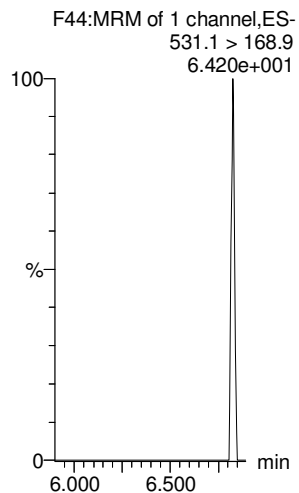
N-EtFOSE



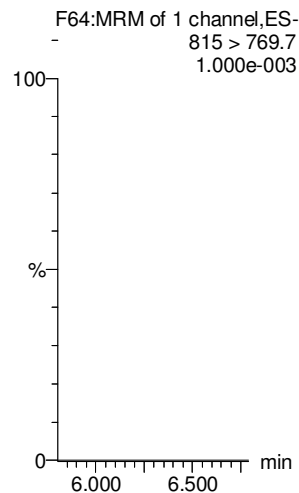
13C2-PFTeDA



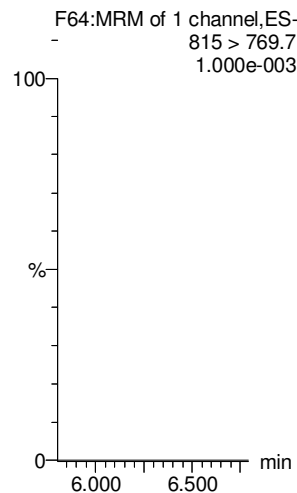
d5-N-ETFOSA



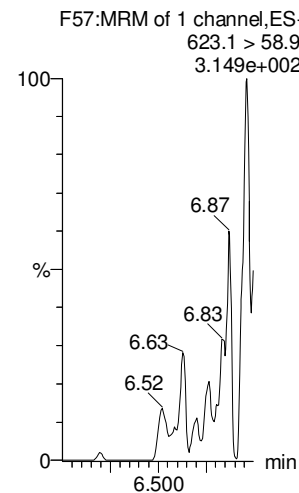
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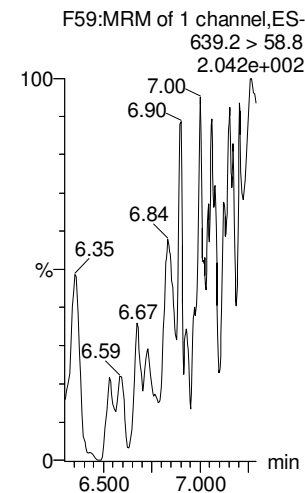
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



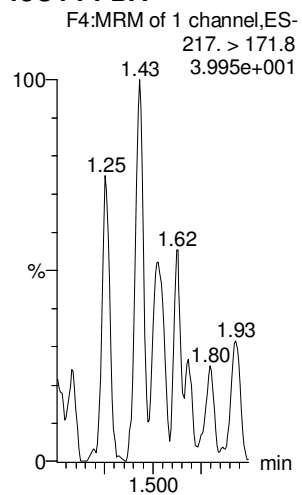
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Last Altered: Tuesday, May 29, 2018 13:36:58 Pacific Daylight Time

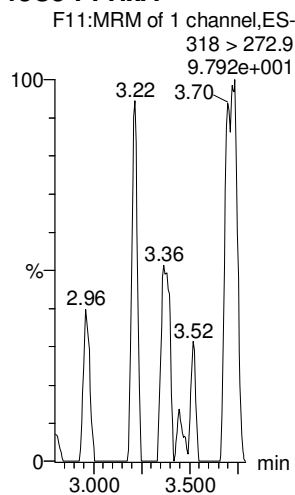
Printed: Tuesday, May 29, 2018 13:37:13 Pacific Daylight Time

Name: 180528M1_13, Date: 28-May-2018, Time: 17:58:48, ID: IPA, Description: IPA

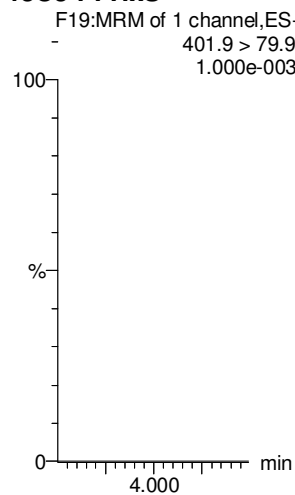
13C4-PFBA



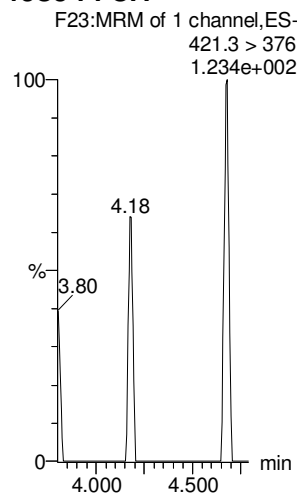
13C5-PFHxA



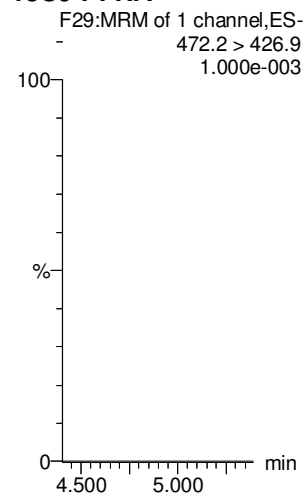
13C3-PFHxS



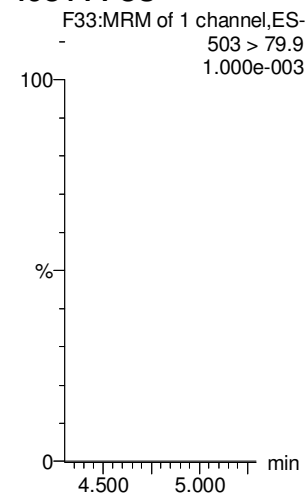
13C8-PFOA



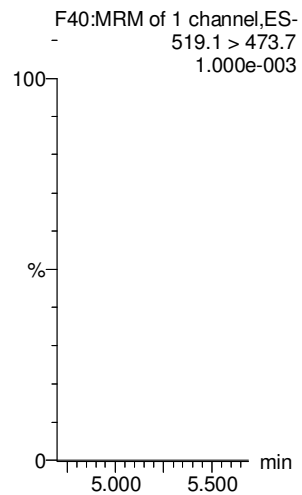
13C9-PFNA



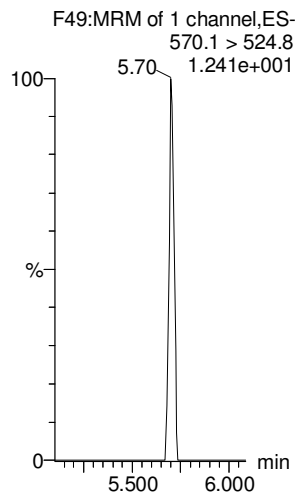
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Compound name: PFBA

Correlation coefficient: $r = 0.999917$, $r^2 = 0.999834$
 Calibration curve: $1.11767 * x + 0.0424299$
 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

Handwritten notes:
 high pt
 low pt
 $4.2 \text{ PFS} = 100$
 $0.2 \downarrow$
 $0.2 \downarrow$
 $\text{PFHpA} = 250$
 $\text{PFDS} = 50$
 $\text{PFDOA} = 100$
 $\text{PFTrDA} = 100$
 ~~$\text{PFHxDA} = 250$~~
 $\text{PFHxDA} = 250$
 ✓ 6/4/18
 ✓ 6/4/18
 AM 6/4/18

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	1.38	286.551	11057.410	0.324	0.3	0.7	NO	1.000	NO	MM
2	2 180603M2_3	Standard	0.500	1.38	525.447	10852.338	0.605	0.5	0.7	NO	1.000	NO	MM
3	3 180603M2_4	Standard	1.000	1.37	1104.250	11239.817	1.228	1.1	6.1	NO	1.000	NO	MM
4	4 180603M2_5	Standard	2.000	1.38	2024.444	11221.023	2.255	2.0	-1.0	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	1.38	4964.079	10714.076	5.792	5.1	2.9	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	1.38	9701.181	10688.383	11.345	10.1	1.1	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	1.38	51839.383	11217.190	57.768	51.6	3.3	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	1.38	94748.172	10361.961	114.298	102.2	2.2	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	1.38	232989.359	10428.025	279.283	249.8	-0.1	NO	1.000	NO	bb
10	10 180603M2_11	Standard	500.000	1.38	439369.313	9906.605	554.389	496.0	-0.8	NO	1.000	NO	bb

Compound name: PFPeA

Correlation coefficient: $r = 0.999979$, $r^2 = 0.999958$
 Calibration curve: $1.01016 * x + 0.0157886$
 Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	2.34	310.555	14942.807	0.260	0.2	-3.4	NO	1.000	NO	bb
2	2 180603M2_3	Standard	0.500	2.34	582.212	14112.663	0.516	0.5	-1.0	NO	1.000	NO	bb
3	3 180603M2_4	Standard	1.000	2.34	1274.344	15401.912	1.034	1.0	0.8	NO	1.000	NO	bb
4	4 180603M2_5	Standard	2.000	2.34	2427.608	15167.869	2.001	2.0	-1.8	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	2.34	6160.964	14695.008	5.241	5.2	3.4	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	2.34	11782.319	14556.021	10.118	10.0	0.0	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	2.35	62629.465	15159.774	51.641	51.1	2.2	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	2.34	114228.859	14101.499	101.256	100.2	0.2	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	2.34	270507.875	13457.060	251.269	248.7	-0.5	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: PFPeA

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180603M2_11	Standard	500.000	2.35	498344.125	12337.635	504.902	499.8	-0.0	NO	1.000	NO	bb

Compound name: PFBS

Coefficient of Determination: R² = 0.999815

Calibration curve: 0.000223532 * x² + 1.94727 * x + 0.0273154

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	2.62	74.906	1835.080	0.510	0.2	-0.8	NO	1.000	NO	bb
2	2 180603M2_3	Standard	0.500	2.62	133.534	1810.358	0.922	0.5	-8.1	NO	1.000	NO	bb
3	3 180603M2_4	Standard	1.000	2.62	293.311	1862.340	1.969	1.0	-0.3	NO	1.000	NO	bb
4	4 180603M2_5	Standard	2.000	2.63	598.211	1827.688	4.091	2.1	4.3	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	2.63	1476.721	1851.845	9.968	5.1	2.0	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	2.63	2849.810	1823.998	19.530	10.0	0.0	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	2.63	14726.879	1818.162	101.248	51.7	3.3	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	2.63	26329.846	1654.700	198.902	101.0	1.0	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	2.63	62087.715	1579.831	491.253	245.4	-1.9	NO	1.000	NO	bb
10	10 180603M2_11	Standard	500.000	2.63	108591.102	1313.247	1033.613	501.9	0.4	NO	1.000	NO	bb

Compound name: 4:2 FTS

Coefficient of Determination: R² = 0.998088

Calibration curve: -0.00365524 * x² + 1.16824 * x + -0.00106813

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	3.02	89.738	3696.335	0.303	0.3	4.4	NO	0.998	NO	bb
2	2 180603M2_3	Standard	0.500	3.02	174.562	3663.609	0.596	0.5	2.3	NO	0.998	NO	bb
3	3 180603M2_4	Standard	1.000	3.02	381.686	4043.533	1.180	1.0	1.4	NO	0.998	NO	bb
4	4 180603M2_5	Standard	2.000	3.03	649.867	4135.085	1.964	1.7	-15.4	NO	0.998	NO	bb
5	5 180603M2_6	Standard	5.000	3.03	1772.508	3892.281	5.692	5.0	-1.0	NO	0.998	NO	bb
6	6 180603M2_7	Standard	10.000	3.03	3550.676	3554.119	12.488	11.1	10.7	NO	0.998	NO	bb
7	7 180603M2_8	Standard	50.000	3.03	16842.332	4396.625	47.884	48.3	-3.4	NO	0.998	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 4:2 FTS

#	Name	Type	Std. Conc.	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8 180603M2_9	Standard	100.000	3.03	30500.734	4715.182	80.858	101.4	1.4	NO	0.998	NO	bb
9	9 180603M2_10	Standard	250.000	3.03	67775.594	6011.217	140.936			NO	0.998	YES	bbXI
10	10 180603M2_11	Standard	500.000	3.03	115218.445	7896.673	182.384			NO	0.998	YES	bbXI

Compound name: PFHxA

Coefficient of Determination: R² = 0.999878

Calibration curve: 0.000139344 * x² + 1.52767 * x + 0.0390743

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc.	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	3.11	447.201	5140.567	0.435	0.3	3.7	NO	1.000	NO	bb
2	2 180603M2_3	Standard	0.500	3.11	810.592	4993.331	0.812	0.5	1.1	NO	1.000	NO	bb
3	3 180603M2_4	Standard	1.000	3.11	1690.606	5403.152	1.564	1.0	-0.2	NO	1.000	NO	bb
4	4 180603M2_5	Standard	2.000	3.12	3210.010	5252.656	3.056	2.0	-1.3	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	3.12	8063.087	4943.626	8.155	5.3	6.2	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	3.12	16252.355	5255.675	15.462	10.1	0.9	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	3.12	80081.844	5289.254	75.702	49.3	-1.4	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	3.12	161610.250	5130.039	157.514	102.1	2.1	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	3.12	373608.781	4837.902	386.127	247.2	-1.1	NO	1.000	NO	bb
10	10 180603M2_11	Standard	500.000	3.12	684514.625	4275.990	800.417	501.0	0.2	NO	1.000	NO	bb

Compound name: PFPeS

Correlation coefficient: r = 0.999461, r² = 0.998922

Calibration curve: 1.84123 * x + -0.0692894

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc.	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	3.31	59.087	1835.080	0.402	0.3	2.5	NO	0.999	NO	MM
2	2 180603M2_3	Standard	0.500	3.31	138.987	1810.358	0.960	0.6	11.8	NO	0.999	NO	bb
3	3 180603M2_4	Standard	1.000	3.31	273.028	1862.340	1.833	1.0	3.3	NO	0.999	NO	bb
4	4 180603M2_5	Standard	2.000	3.31	507.099	1827.688	3.468	1.9	-3.9	NO	0.999	NO	bb
5	5 180603M2_6	Standard	5.000	3.32	1309.499	1851.845	8.839	4.8	-3.2	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: PFPeS

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 180603M2_7	Standard	10.000	3.32	2394.907	1823.998	16.412	9.0	-10.5	NO	0.999	NO	bb
7	7 180603M2_8	Standard	50.000	3.32	13382.591	1818.162	92.006	50.0	0.0	NO	0.999	NO	bb
8	8 180603M2_9	Standard	100.000	3.32	25042.957	1654.700	189.180	102.8	2.8	NO	0.999	NO	bb
9	9 180603M2_10	Standard	250.000	3.32	55407.176	1579.831	438.395	238.1	-4.7	NO	0.999	NO	bb
10	10 180603M2_11	Standard	500.000	3.32	98697.797	1313.247	939.444	510.3	2.1	NO	0.999	NO	bb

Compound name: PFHpA

Coefficient of Determination: R² = 0.999980

Calibration curve: 0.000463938 * x² + 1.14345 * x + 0.0577121

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	3.72	446.629	15583.414	0.358	0.3	5.1	NO	1.000	NO	bb
2	2 180603M2_3	Standard	0.500	3.72	687.279	14360.869	0.598	0.5	-5.5	NO	1.000	NO	bb
3	3 180603M2_4	Standard	1.000	3.72	1460.633	15052.655	1.213	1.0	1.0	NO	1.000	NO	bb
4	4 180603M2_5	Standard	2.000	3.73	2725.334	14984.784	2.273	1.9	-3.2	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	3.73	6677.411	14228.897	5.866	5.1	1.4	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	3.73	13455.714	14349.260	11.722	10.2	1.6	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	3.73	74517.766	16035.928	58.087	49.7	-0.5	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	3.73	134000.703	14057.480	119.154	100.1	0.1	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	3.73	300126.250	11912.625	314.925	250.0	0.0	NO	1.000	NO	bb
10	10 180603M2_11	Standard	500.000	3.73	537888.813	12317.354	545.865	409.3	-18.1	NO	1.000	NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: L-PFHxS

Correlation coefficient: $r = 0.999509$, $r^2 = 0.999018$

Calibration curve: $1.91268 * x + 0.0612931$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	3.87	62.591	1569.461	0.499	0.2	-8.6	NO	0.999	NO	MM
2	2 180603M2_3	Standard	0.500	3.87	123.751	1468.555	1.053	0.5	3.7	NO	0.999	NO	MM
3	3 180603M2_4	Standard	1.000	3.88	238.473	1523.706	1.956	1.0	-0.9	NO	0.999	NO	MM
4	4 180603M2_5	Standard	2.000	3.88	401.807	1579.854	3.179	1.6	-18.5	NO	0.999	NO	MM
5	5 180603M2_6	Standard	5.000	3.88	1119.416	1445.307	9.681	5.0	0.6	NO	0.999	NO	MM
6	6 180603M2_7	Standard	10.000	3.88	2364.440	1321.032	22.373	11.7	16.7	NO	0.999	NO	MM
7	7 180603M2_8	Standard	50.000	3.88	11503.629	1434.082	100.270	52.4	4.8	NO	0.999	NO	MM
8	8 180603M2_9	Standard	100.000	3.88	21132.445	1312.576	201.250	105.2	5.2	NO	0.999	NO	MM
9	9 180603M2_10	Standard	250.000	3.88	50240.836	1345.168	466.864	244.1	-2.4	NO	0.999	NO	MM
10	10 180603M2_11	Standard	500.000	3.88	92474.094	1215.786	950.765	497.1	-0.6	NO	0.999	NO	MM

Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.999137$

Calibration curve: $-0.0035598 * x^2 + 1.20118 * x + 0.0541796$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	4.18	87.986	4037.636	0.272	0.2	-27.3	NO	0.999	NO	bb
2	2 180603M2_3	Standard	0.500	4.19	239.779	3826.547	0.783	0.6	21.6	NO	0.999	NO	bb
3	3 180603M2_4	Standard	1.000	4.19	460.277	4275.934	1.346	1.1	7.9	NO	0.999	NO	bb
4	4 180603M2_5	Standard	2.000	4.19	794.809	4334.623	2.292	1.9	-6.3	NO	0.999	NO	bb
5	5 180603M2_6	Standard	5.000	4.19	1981.093	3887.852	6.369	5.3	6.8	NO	0.999	NO	bb
6	6 180603M2_7	Standard	10.000	4.19	3926.914	4284.948	11.456	9.8	-2.3	NO	0.999	NO	bb
7	7 180603M2_8	Standard	50.000	4.19	19953.633	4897.353	50.930	49.7	-0.7	NO	0.999	NO	bb
8	8 180603M2_9	Standard	100.000	4.19	33197.195	4897.862	84.724	100.3	0.3	NO	0.999	NO	bb
9	9 180603M2_10	Standard	250.000	4.19	73101.953	6074.168	150.436			NO	0.999	NO	bbXI
10	10 180603M2_11	Standard	500.000	4.19	136067.703	8700.849	195.480			NO	0.999	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999677$

Calibration curve: $-0.000155657 * x^2 + 0.987655 * x + 0.0270012$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	4.24	400.645	22788.426	0.220	0.2	-21.9	NO	1.000	NO	MM
2	2 180603M2_3	Standard	0.500	4.24	1064.795	24507.855	0.543	0.5	4.5	NO	1.000	NO	bb
3	3 180603M2_4	Standard	1.000	4.24	1973.284	20461.670	1.205	1.2	19.3	NO	1.000	NO	bb
4	4 180603M2_5	Standard	2.000	4.25	3714.788	21747.594	2.135	2.1	6.8	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	4.25	9208.882	24783.598	4.645	4.7	-6.4	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	4.25	17243.697	22439.563	9.606	9.7	-2.9	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	4.25	93982.422	24377.400	48.191	49.1	-1.7	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	4.25	169589.406	21079.920	100.563	103.5	3.5	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	4.25	404866.969	21629.521	233.978	246.4	-1.4	NO	1.000	NO	bb
10	10 180603M2_11	Standard	500.000	4.25	730202.813	20017.283	455.983	501.3	0.3	NO	1.000	NO	bb

Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999582$

Calibration curve: $-4.10026e-005 * x^2 + 0.161763 * x + -0.00185584$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	4.36	77.028	22788.426	0.042	0.3	9.1	NO	1.000	NO	bb
2	2 180603M2_3	Standard	0.500	4.35	137.685	24507.855	0.070	0.4	-10.9	NO	1.000	NO	bb
3	3 180603M2_4	Standard	1.000	4.35	275.145	20461.670	0.168	1.1	5.1	NO	1.000	NO	bb
4	4 180603M2_5	Standard	2.000	4.36	605.363	21747.594	0.348	2.2	8.2	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	4.36	1351.098	24783.598	0.681	4.2	-15.4	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	4.36	2974.053	22439.563	1.657	10.3	2.8	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	4.36	15446.921	24377.400	7.921	49.6	-0.8	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	4.36	27450.936	21079.920	16.278	103.3	3.3	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	4.36	64486.059	21629.521	37.267	245.7	-1.7	NO	1.000	NO	bb
10	10 180603M2_11	Standard	500.000	4.36	113437.180	20017.283	70.837	501.7	0.3	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: PFNA

Coefficient of Determination: R² = 0.999693

Calibration curve: -0.000217884 * x² + 1.35711 * x + -0.0685492

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	4.68	455.861	18769.938	0.304	0.3	9.7	NO	1.000	NO	bb
2	2 180603M2_3	Standard	0.500	4.68	991.397	19999.146	0.620	0.5	1.4	NO	1.000	NO	bb
3	3 180603M2_4	Standard	1.000	4.68	2256.575	21268.121	1.326	1.0	2.8	NO	1.000	NO	bb
4	4 180603M2_5	Standard	2.000	4.68	4515.422	21763.053	2.594	2.0	-1.9	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	4.68	9690.759	20024.189	6.049	4.5	-9.8	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	4.68	20174.797	18644.572	13.526	10.0	0.3	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	4.68	110124.781	21593.049	63.750	47.4	-5.2	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	4.68	202862.750	18663.838	135.866	101.8	1.8	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	4.68	456948.063	17350.898	329.196	252.9	1.2	NO	1.000	NO	bb
10	10 180603M2_11	Standard	500.000	4.68	819872.125	16474.229	622.087	498.3	-0.3	NO	1.000	NO	bb

Compound name: PFOSA

Coefficient of Determination: R² = 0.999799

Calibration curve: 0.000223926 * x² + 0.845984 * x + -0.00644957

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	4.75	75.893	4192.226	0.226	0.3	10.0	NO	1.000	NO	bb
2	2 180603M2_3	Standard	0.500	4.75	132.574	4063.638	0.408	0.5	-2.1	NO	1.000	NO	bb
3	3 180603M2_4	Standard	1.000	4.75	273.436	4162.143	0.821	1.0	-2.2	NO	1.000	NO	bb
4	4 180603M2_5	Standard	2.000	4.75	481.785	4279.650	1.407	1.7	-16.5	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	4.75	1426.368	3993.287	4.465	5.3	5.6	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	4.76	2810.253	4037.472	8.701	10.3	2.6	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	4.76	14588.447	4124.677	44.211	51.6	3.1	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	4.76	26476.270	3787.264	87.386	100.6	0.6	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	4.76	59064.559	3328.501	221.814	246.2	-1.5	NO	1.000	NO	bb
10	10 180603M2_11	Standard	500.000	4.75	107827.313	2804.786	480.551	501.5	0.3	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.999820$

Calibration curve: $-4.1577e-006 * x^2 + 0.922959 * x + -0.0602006$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	4.76	55.488	3858.577	0.180	0.3	4.0	NO	1.000	NO	MM
2	2 180603M2_3	Standard	0.500	4.75	127.855	3737.641	0.428	0.5	5.7	NO	1.000	NO	MM
3	3 180603M2_4	Standard	1.000	4.76	250.208	3996.144	0.783	0.9	-8.7	NO	1.000	NO	MM
4	4 180603M2_5	Standard	2.000	4.76	584.407	4026.793	1.814	2.0	1.5	NO	1.000	NO	MM
5	5 180603M2_6	Standard	5.000	4.76	1372.660	3687.167	4.654	5.1	2.1	NO	1.000	NO	MM
6	6 180603M2_7	Standard	10.000	4.76	2784.985	3904.877	8.915	9.7	-2.8	NO	1.000	NO	MM
7	7 180603M2_8	Standard	50.000	4.77	13870.730	3932.378	44.091	47.8	-4.3	NO	1.000	NO	MM
8	8 180603M2_9	Standard	100.000	4.76	25634.572	3402.080	94.187	102.2	2.2	NO	1.000	NO	MM
9	9 180603M2_10	Standard	250.000	4.76	62176.391	3362.496	231.139	250.8	0.3	NO	1.000	NO	MM
10	10 180603M2_11	Standard	500.000	4.76	112323.016	3053.424	459.824	499.4	-0.1	NO	1.000	NO	MM

Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999020$

Calibration curve: $-5.14851e-005 * x^2 + 1.0054 * x + 0.115839$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	5.04	606.281	19146.543	0.396	0.3	11.4	NO	0.999	NO	bb
2	2 180603M2_3	Standard	0.500	5.05	1156.627	24584.350	0.588	0.5	-6.1	NO	0.999	NO	bb
3	3 180603M2_4	Standard	1.000	5.05	2444.568	25779.711	1.185	1.1	6.4	NO	0.999	NO	bb
4	4 180603M2_5	Standard	2.000	5.05	4028.061	28702.930	1.754	1.6	-18.5	NO	0.999	NO	bb
5	5 180603M2_6	Standard	5.000	5.05	10516.037	22483.127	5.847	5.7	14.0	NO	0.999	NO	bb
6	6 180603M2_7	Standard	10.000	5.05	20838.709	25993.691	10.021	9.9	-1.4	NO	0.999	NO	bb
7	7 180603M2_8	Standard	50.000	5.05	108621.992	30067.543	45.157	44.9	-10.2	NO	0.999	NO	bb
8	8 180603M2_9	Standard	100.000	5.05	218180.609	26322.408	103.610	103.5	3.5	NO	0.999	NO	bb
9	9 180603M2_10	Standard	250.000	5.05	535189.563	26612.340	251.382	253.2	1.3	NO	0.999	NO	bb
10	10 180603M2_11	Standard	500.000	5.05	801119.688	20512.344	488.194	498.2	-0.4	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.999540$

Calibration curve: $-0.00513967 * x^2 + 1.47988 * x + -0.0800285$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	5.01	77.105	3490.642	0.276	0.2	-3.7	NO	1.000	NO	bb
2	2 180603M2_3	Standard	0.500	5.02	171.627	3449.516	0.622	0.5	-5.0	NO	1.000	NO	bb
3	3 180603M2_4	Standard	1.000	5.02	354.847	3255.954	1.362	1.0	-2.2	NO	1.000	NO	MM
4	4 180603M2_5	Standard	2.000	5.02	869.792	3546.990	3.065	2.1	7.1	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	5.02	2000.263	3392.747	7.370	5.1	2.5	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	5.02	4110.259	3514.228	14.620	10.3	3.0	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	5.03	20445.855	4278.210	59.738	48.6	-2.7	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	5.02	33879.699	4360.501	97.121	101.4	1.4	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	5.02	75701.227	5610.659	168.655			NO	1.000	YES	bbXI
10	10 180603M2_11	Standard	500.000	5.02	128454.219	7991.470	200.924			NO	1.000	YES	bbXI

Compound name: PFNS

Coefficient of Determination: $R^2 = 0.999614$

Calibration curve: $-0.000139909 * x^2 + 0.813563 * x + -0.0732691$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	5.11	39.185	3858.577	0.127	0.2	-1.6	NO	1.000	NO	MM
2	2 180603M2_3	Standard	0.500	5.11	110.038	3737.641	0.368	0.5	8.5	NO	1.000	NO	bb
3	3 180603M2_4	Standard	1.000	5.12	238.574	3996.144	0.746	1.0	0.8	NO	1.000	NO	bb
4	4 180603M2_5	Standard	2.000	5.12	489.052	4026.793	1.518	2.0	-2.2	NO	1.000	NO	bb
5	5 180603M2_6	Standard	5.000	5.12	1227.593	3687.167	4.162	5.2	4.2	NO	1.000	NO	bb
6	6 180603M2_7	Standard	10.000	5.12	2344.380	3904.877	7.505	9.3	-6.7	NO	1.000	NO	bb
7	7 180603M2_8	Standard	50.000	5.12	11916.333	3932.378	37.879	47.0	-5.9	NO	1.000	NO	bb
8	8 180603M2_9	Standard	100.000	5.12	22160.154	3402.080	81.421	102.0	2.0	NO	1.000	NO	bb
9	9 180603M2_10	Standard	250.000	5.12	53023.473	3362.496	197.114	253.4	1.4	NO	1.000	NO	bb
10	10 180603M2_11	Standard	500.000	5.11	90479.094	3053.424	370.400	498.0	-0.4	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: L-MeFOSAA

Coefficient of Determination: R² = 0.999746

Calibration curve: -0.000512206 * x² + 2.03689 * x + -0.180528

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	5.20	96.344	5166.020	0.233	0.2	-18.8	NO	1.000	NO	MM
2	2 180603M2_3	Standard	0.500	5.20	359.172	5019.486	0.894	0.5	5.6	NO	1.000	NO	MM
3	3 180603M2_4	Standard	1.000	5.20	738.561	5033.387	1.834	1.0	-1.1	NO	1.000	NO	MM
4	4 180603M2_5	Standard	2.000	5.20	1424.651	4867.027	3.659	1.9	-5.7	NO	1.000	NO	MM
5	5 180603M2_6	Standard	5.000	5.20	3491.628	4913.452	8.883	4.5	-10.9	NO	1.000	NO	MM
6	6 180603M2_7	Standard	10.000	5.20	7710.028	5024.185	19.182	9.5	-4.7	NO	1.000	NO	MM
7	7 180603M2_8	Standard	50.000	5.20	40902.418	5116.544	99.927	49.8	-0.5	NO	1.000	NO	MM
8	8 180603M2_9	Standard	100.000	5.20	71466.523	4530.335	197.189	99.4	-0.6	NO	1.000	NO	MM
9	9 180603M2_10	Standard	250.000	5.20	176961.563	4566.378	484.414	254.2	1.7	NO	1.000	NO	MM
10	10 180603M2_11	Standard	500.000	5.20	295891.813	4170.621	886.834	497.8	-0.4	NO	1.000	NO	MM

Compound name: L-EtFOSAA

Coefficient of Determination: R² = 0.999632

Calibration curve: -8.02336e-005 * x² + 1.19845 * x + -0.0686469

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	5.35	134.087	6561.538	0.255	0.3	8.2	NO	1.000	NO	MM
2	2 180603M2_3	Standard	0.500	5.35	243.079	6339.493	0.479	0.5	-8.6	NO	1.000	NO	MM
3	3 180603M2_4	Standard	1.000	5.36	574.807	6870.538	1.046	0.9	-7.0	NO	1.000	NO	MM
4	4 180603M2_5	Standard	2.000	5.36	1077.656	6666.748	2.021	1.7	-12.8	NO	1.000	NO	MM
5	5 180603M2_6	Standard	5.000	5.36	2744.886	6075.031	5.648	4.8	-4.6	NO	1.000	NO	MM
6	6 180603M2_7	Standard	10.000	5.36	5733.157	5966.752	12.011	10.1	0.9	NO	1.000	NO	MM
7	7 180603M2_8	Standard	50.000	5.36	29068.436	6199.922	58.606	49.1	-1.8	NO	1.000	NO	MM
8	8 180603M2_9	Standard	100.000	5.36	53240.363	5371.537	123.895	104.2	4.2	NO	1.000	NO	MM
9	9 180603M2_10	Standard	250.000	5.36	117902.656	5087.055	289.712	245.8	-1.7	NO	1.000	NO	MM
10	10 180603M2_11	Standard	500.000	5.35	202765.750	4365.234	580.627	501.4	0.3	NO	1.000	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.993431$

Calibration curve: $7.49062e-005 * x^2 + 0.907352 * x + 0.092432$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	5.37	672.602	28893.295	0.291	0.2	-12.5	NO	0.993	NO	bb
2	2 180603M2_3	Standard	0.500	5.37	919.764	25446.445	0.452	0.4	-20.8	NO	0.993	NO	bb
3	3 180603M2_4	Standard	1.000	5.37	2522.366	29251.656	1.078	1.1	8.6	NO	0.993	NO	bb
4	4 180603M2_5	Standard	2.000	5.37	4952.942	29319.832	2.112	2.2	11.2	NO	0.993	NO	bb
5	5 180603M2_6	Standard	5.000	5.37	10516.431	25472.016	5.161	5.6	11.7	NO	0.993	NO	bb
6	6 180603M2_7	Standard	10.000	5.37	20506.277	24071.061	10.649	11.6	16.2	NO	0.993	NO	bb
7	7 180603M2_8	Standard	50.000	5.38	70669.508	26738.559	33.037	36.2	-27.6	NO	0.993	NO	bb
8	8 180603M2_9	Standard	100.000	5.37	191166.375	22839.299	104.626	114.1	14.1	NO	0.993	NO	bb
9	9 180603M2_10	Standard	250.000	5.37	396499.125	21626.578	229.174	247.4	-1.0	NO	0.993	NO	bb
10	10 180603M2_11	Standard	500.000	5.37	814809.688	21563.584	472.330	499.8	-0.0	NO	0.993	NO	bb

Compound name: PFDS

Coefficient of Determination: $R^2 = 0.999337$

Calibration curve: $3.37363e-005 * x^2 + 0.151074 * x + 0.00103366$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	5.41	76.075	28893.295	0.033	0.2	-15.6	NO	0.999	NO	bbX
2	2 180603M2_3	Standard	0.500	5.41	198.623	25446.445	0.098	0.6	27.8	NO	0.999	NO	bb
3	3 180603M2_4	Standard	1.000	5.42	309.305	29251.656	0.132	0.9	-13.2	NO	0.999	NO	bb
4	4 180603M2_5	Standard	2.000	5.42	626.270	29319.832	0.267	1.8	-12.0	NO	0.999	NO	bb
5	5 180603M2_6	Standard	5.000	5.42	1508.822	25472.016	0.740	4.9	-2.2	NO	0.999	NO	bb
6	6 180603M2_7	Standard	10.000	5.42	2948.322	24071.061	1.531	10.1	1.0	NO	0.999	NO	bb
7	7 180603M2_8	Standard	50.000	5.42	15648.399	26738.559	7.315	47.9	-4.2	NO	0.999	NO	bb
8	8 180603M2_9	Standard	100.000	5.42	29120.176	22839.299	15.938	103.1	3.1	NO	0.999	NO	bb
9	9 180603M2_10	Standard	250.000	5.42	68765.688	21626.578	39.746	249.2	-0.3	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: PFDS

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180603M2_11	Standard	500.000	5.42	125058.352	21563.584	72.494	437.2	-12.6	NO	0.999	NO	bbX

Compound name: PFDaA

Coefficient of Determination: R² = 0.997043

Calibration curve: -0.0110656 * x² + 1.52836 * x + -0.124406

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	5.65	611.902	27089.834	0.282	0.3	6.7	NO	0.997	NO	bb
2	2 180603M2_3	Standard	0.500	5.65	1223.981	25434.553	0.602	0.5	-4.7	NO	0.997	NO	bb
3	3 180603M2_4	Standard	1.000	5.65	2665.908	20996.686	1.587	1.1	12.9	NO	0.997	NO	bb
4	4 180603M2_5	Standard	2.000	5.65	5081.723	25954.611	2.447	1.7	-14.8	NO	0.997	NO	bb
5	5 180603M2_6	Standard	5.000	5.65	13357.369	24319.283	6.866	4.7	-5.3	NO	0.997	NO	bb
6	6 180603M2_7	Standard	10.000	5.65	27840.262	23548.979	14.778	10.6	5.6	NO	0.997	NO	bb
7	7 180603M2_8	Standard	50.000	5.65	111015.328	28591.041	48.536	49.8	-0.4	NO	0.997	NO	bb
8	8 180603M2_9	Standard	100.000	5.65	220454.250	26644.039	103.426			NO	0.997	YES	bbXI
9	9 180603M2_10	Standard	250.000	5.65	595843.313	25941.885	287.105			NO	0.997	NO	bbXI
10	10 180603M2_11	Standard	500.000	5.65	1123108.875	23659.391	593.374			NO	0.997	NO	bbXI

Compound name: N-MeFOSA

Coefficient of Determination: R² = 0.999650

Calibration curve: -2.95889e-005 * x² + 1.0319 * x + 0.180174

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	1.250	5.85	147.178	16316.126	1.353	1.1	-9.1	NO	1.000	NO	bb
2	2 180603M2_3	Standard	2.500	5.85	318.136	15902.306	3.001	2.7	9.3	NO	1.000	NO	bb
3	3 180603M2_4	Standard	5.000	5.85	603.899	17272.928	5.244	4.9	-1.8	NO	1.000	NO	bb
4	4 180603M2_5	Standard	10.000	5.86	1238.090	16655.211	11.150	10.6	6.3	NO	1.000	NO	bb
5	5 180603M2_6	Standard	25.000	5.86	2948.163	16771.635	26.367	25.4	1.6	NO	1.000	NO	bb
6	6 180603M2_7	Standard	50.000	5.87	5739.637	15901.850	54.141	52.4	4.7	NO	1.000	NO	bb
7	7 180603M2_8	Standard	250.000	5.87	30080.166	16876.580	267.354	260.9	4.3	NO	1.000	NO	bb

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Compound name: N-MeFOSA

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8 180603M2_9	Standard	500.000	5.87	54334.594	15954.447	510.841	502.1	0.4	NO	1.000	NO	bb
9	9 180603M2_10	Standard	1250.000	5.87	127343.031	15739.222	1213.621	1218.5	-2.5	NO	1.000	NO	bb
10	10 180603M2_11	Standard	2500.000	5.87	226441.766	14102.471	2408.533	2515.3	0.6	NO	1.000	NO	bb

Compound name: PFTrDA

Coefficient of Determination: R² = 0.999367

Calibration curve: -0.00564413 * x² + 1.50166 * x + -0.0916805

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	5.89	646.807	27089.834	0.298	0.3	4.0	NO	0.999	NO	bb
2	2 180603M2_3	Standard	0.500	5.89	1324.573	25434.553	0.651	0.5	-0.9	NO	0.999	NO	bb
3	3 180603M2_4	Standard	1.000	5.89	2593.420	20996.686	1.544	1.1	9.4	NO	0.999	NO	bb
4	4 180603M2_5	Standard	2.000	5.89	5216.774	25954.611	2.512	1.7	-12.7	NO	0.999	NO	bb
5	5 180603M2_6	Standard	5.000	5.89	13752.351	24319.283	7.069	4.9	-2.9	NO	0.999	NO	bb
6	6 180603M2_7	Standard	10.000	5.89	27854.697	23548.979	14.786	10.3	3.1	NO	0.999	NO	bb
7	7 180603M2_8	Standard	50.000	5.89	139420.359	28591.041	60.955	50.1	0.2	NO	0.999	NO	bb
8	8 180603M2_9	Standard	100.000	5.89	199448.344	26644.039	93.571	99.8	-0.2	NO	0.999	NO	bb
9	9 180603M2_10	Standard	250.000	5.89	635908.375	25941.885	306.410			NO	0.999	YES	bbXI
10	10 180603M2_11	Standard	500.000	5.89	987634.313	23659.391	521.798			NO	0.999	YES	bbXI

Compound name: PFTeDA

Coefficient of Determination: R² = 0.999342

Calibration curve: -0.000283258 * x² + 1.08661 * x + 0.131629

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	6.10	589.160	21462.785	0.343	0.2	-22.1	NO	0.999	NO	bb
2	2 180603M2_3	Standard	0.500	6.11	1060.987	20578.910	0.644	0.5	-5.6	NO	0.999	NO	bb
3	3 180603M2_4	Standard	1.000	6.11	2137.071	22493.512	1.188	1.0	-2.8	NO	0.999	NO	bb
4	4 180603M2_5	Standard	2.000	6.11	4478.981	21672.035	2.583	2.3	12.9	NO	0.999	NO	bb
5	5 180603M2_6	Standard	5.000	6.11	11080.009	22196.295	6.240	5.6	12.6	NO	0.999	NO	bb

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Compound name: PFTeDA

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 180603M2_7	Standard	10.000	6.11	20780.854	22325.559	11.635	10.6	6.2	NO	0.999	NO	bb
7	7 180603M2_8	Standard	50.000	6.11	108525.688	24476.057	55.424	51.6	3.2	NO	0.999	NO	bb
8	8 180603M2_9	Standard	100.000	6.11	194406.453	24183.275	100.486	94.7	-5.3	NO	0.999	NO	bb
9	9 180603M2_10	Standard	250.000	6.11	497414.563	24206.561	256.859	252.9	1.2	NO	0.999	NO	bb
10	10 180603M2_11	Standard	500.000	6.11	856963.125	22688.400	472.137	499.4	-0.1	NO	0.999	NO	bb

Compound name: N-EtFOSA

Coefficient of Determination: R^2 = 0.999923

Calibration curve: $-3.23078e-005 * x^2 + 0.917289 * x + -0.023268$

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	1.250	6.24	156.003	22190.391	1.055	1.2	-6.0	NO	1.000	NO	MM
2	2 180603M2_3	Standard	2.500	6.24	335.743	21433.010	2.350	2.6	3.5	NO	1.000	NO	bb
3	3 180603M2_4	Standard	5.000	6.25	674.030	22178.873	4.559	5.0	-0.1	NO	1.000	NO	bb
4	4 180603M2_5	Standard	10.000	6.25	1428.180	22210.188	9.645	10.5	5.4	NO	1.000	NO	bb
5	5 180603M2_6	Standard	25.000	6.25	3234.898	22281.158	21.778	23.8	-4.9	NO	1.000	NO	bb
6	6 180603M2_7	Standard	50.000	6.25	6629.320	21612.400	46.011	50.3	0.5	NO	1.000	NO	bb
7	7 180603M2_8	Standard	250.000	6.25	34265.512	22298.518	230.501	253.6	1.4	NO	1.000	NO	bb
8	8 180603M2_9	Standard	500.000	6.25	60645.512	20023.377	454.310	504.3	0.9	NO	1.000	NO	bb
9	9 180603M2_10	Standard	1250.000	6.25	140657.344	19445.982	1084.985	1236.7	-1.1	NO	1.000	NO	bb
10	10 180603M2_11	Standard	2500.000	6.25	243064.703	17396.836	2095.766	2505.9	0.2	NO	1.000	NO	bb

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Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.998869$

Calibration curve: $3.05812e-005 * x^2 + 0.593492 * x + 0.0405458$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	6.44	359.357	11781.388	0.153	0.2	-24.5	NO	0.999	NO	bb
2	2 180603M2_3	Standard	0.500	6.44	874.038	11436.419	0.382	0.6	15.1	NO	0.999	NO	bb
3	3 180603M2_4	Standard	1.000	6.44	1716.728	12740.659	0.674	1.1	6.7	NO	0.999	NO	bb
4	4 180603M2_5	Standard	2.000	6.44	3067.526	12174.550	1.260	2.1	2.7	NO	0.999	NO	bb
5	5 180603M2_6	Standard	5.000	6.44	7148.614	12790.587	2.794	4.6	-7.2	NO	0.999	NO	bb
6	6 180603M2_7	Standard	10.000	6.44	15429.646	12262.140	6.292	10.5	5.3	NO	0.999	NO	bb
7	7 180603M2_8	Standard	50.000	6.45	80981.695	12825.989	31.569	53.0	6.0	NO	0.999	NO	bb
8	8 180603M2_9	Standard	100.000	6.44	146653.563	12855.009	57.041	95.6	-4.4	NO	0.999	NO	bb
9	9 180603M2_10	Standard	250.000	6.44	363454.000	12033.121	151.022	251.1	0.5	NO	0.999	NO	bb
10	10 180603M2_11	Standard	500.000	6.44	650310.500	12648.990	257.060	423.8	-15.2	NO	0.999	NO	bbX

Compound name: PFOA

Coefficient of Determination: $R^2 = 0.998051$

Calibration curve: $-0.000306754 * x^2 + 0.779034 * x + 0.0170433$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	0.250	6.67	539.721	11781.388	0.229	0.3	8.9	NO	0.998	NO	bb
2	2 180603M2_3	Standard	0.500	6.67	979.894	11436.419	0.428	0.5	5.6	NO	0.998	NO	bb
3	3 180603M2_4	Standard	1.000	6.67	2009.271	12740.659	0.789	1.0	-0.9	NO	0.998	NO	bb
4	4 180603M2_5	Standard	2.000	6.68	3908.802	12174.550	1.605	2.0	2.0	NO	0.998	NO	bb
5	5 180603M2_6	Standard	5.000	6.68	9559.715	12790.587	3.737	4.8	-4.3	NO	0.998	NO	bb
6	6 180603M2_7	Standard	10.000	6.68	18974.896	12262.140	7.737	9.9	-0.5	NO	0.998	NO	MM
7	7 180603M2_8	Standard	50.000	6.68	100644.023	12825.989	39.234	51.4	2.8	NO	0.998	NO	MM
8	8 180603M2_9	Standard	100.000	6.68	175568.188	12855.009	68.288	90.9	-9.1	NO	0.998	NO	MM
9	9 180603M2_10	Standard	250.000	6.68	444097.875	12033.121	184.531	264.4	5.7	NO	0.998	NO	MM
10	10 180603M2_11	Standard	500.000	6.68	783208.813	12648.990	309.593	493.1	-1.4	NO	0.998	NO	MM

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Compound name: N-MeFOSE

Coefficient of Determination: $R^2 = 0.999572$

Calibration curve: $-3.91662e-005 * x^2 + 0.983423 * x + -0.00480812$

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	1.250	6.38	95.922	11628.039	1.237	1.3	1.1	NO	1.000	NO	bb
2	2 180603M2_3	Standard	2.500	6.38	221.428	11147.111	2.980	3.0	21.4	NO	1.000	NO	bb
3	3 180603M2_4	Standard	5.000	6.38	371.733	12015.749	4.641	4.7	-5.5	NO	1.000	NO	bb
4	4 180603M2_5	Standard	10.000	6.38	770.934	11662.517	9.916	10.1	0.9	NO	1.000	NO	bb
5	5 180603M2_6	Standard	25.000	6.38	1783.383	11666.826	22.929	23.3	-6.6	NO	1.000	NO	bb
6	6 180603M2_7	Standard	50.000	6.38	3512.457	11845.252	44.479	45.3	-9.4	NO	1.000	NO	bb
7	7 180603M2_8	Standard	250.000	6.39	19763.857	12670.946	233.967	240.2	-3.9	NO	1.000	NO	MM
8	8 180603M2_9	Standard	500.000	6.38	37095.145	11510.365	483.414	501.6	0.3	NO	1.000	NO	MM
9	9 180603M2_10	Standard	1250.000	6.39	96539.555	12126.395	1194.166	1279.5	2.4	NO	1.000	NO	bb
10	10 180603M2_11	Standard	2500.000	6.38	182751.734	12452.011	2201.473	2484.4	-0.6	NO	1.000	NO	MM

Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999756$

Calibration curve: $-1.63295e-005 * x^2 + 1.23645 * x + -0.173527$

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	1.250	6.52	119.109	11307.576	1.580	1.4	13.5	NO	1.000	NO	bb
2	2 180603M2_3	Standard	2.500	6.53	211.440	11422.320	2.777	2.4	-4.6	NO	1.000	NO	bb
3	3 180603M2_4	Standard	5.000	6.53	458.865	11465.017	6.003	5.0	-0.1	NO	1.000	NO	bb
4	4 180603M2_5	Standard	10.000	6.53	869.957	11764.180	11.092	9.1	-8.9	NO	1.000	NO	bb
5	5 180603M2_6	Standard	25.000	6.53	2293.827	10799.432	31.860	25.9	3.7	NO	1.000	NO	bb
6	6 180603M2_7	Standard	50.000	6.53	4370.568	10715.487	61.181	49.7	-0.7	NO	1.000	NO	bb
7	7 180603M2_8	Standard	250.000	6.53	23031.424	11835.431	291.896	237.0	-5.2	NO	1.000	NO	bb
8	8 180603M2_9	Standard	500.000	6.53	44147.000	10613.874	623.905	508.1	1.6	NO	1.000	NO	bb
9	9 180603M2_10	Standard	1250.000	6.53	112786.555	11032.510	1533.466	1261.4	0.9	NO	1.000	NO	MM
10	10 180603M2_11	Standard	2500.000	6.53	218495.094	10991.780	2981.707	2493.8	-0.2	NO	1.000	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 13C3-PFBA

Response Factor: 0.891546

RRF SD: 0.0117184, Relative SD: 1.31439

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	1.37	11057.410	12438.893	11.112	12.5	-0.3	NO		NO	bb
2	2 180603M2_3	Standard	12.500	1.37	10852.338	11874.155	11.424	12.8	2.5	NO		NO	bb
3	3 180603M2_4	Standard	12.500	1.37	11239.817	12632.165	11.122	12.5	-0.2	NO		NO	bb
4	4 180603M2_5	Standard	12.500	1.37	11221.023	12725.610	11.022	12.4	-1.1	NO		NO	bb
5	5 180603M2_6	Standard	12.500	1.38	10714.076	12050.026	11.114	12.5	-0.3	NO		NO	bb
6	6 180603M2_7	Standard	12.500	1.38	10688.383	11901.224	11.226	12.6	0.7	NO		NO	bb
7	7 180603M2_8	Standard	12.500	1.38	11217.190	12816.611	10.940	12.3	-1.8	NO		NO	bb
8	8 180603M2_9	Standard	12.500	1.38	10361.961	11575.312	11.190	12.6	0.4	NO		NO	bb
9	9 180603M2_10	Standard	12.500	1.38	10428.025	11857.146	10.993	12.3	-1.4	NO		NO	bb
10	10 180603M2_11	Standard	12.500	1.38	9906.605	10959.182	11.299	12.7	1.4	NO		NO	bb

Compound name: 13C3-PFPeA

Response Factor: 0.848002

RRF SD: 0.0343672, Relative SD: 4.05273

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	2.33	14942.807	17369.111	10.754	12.7	1.5	NO		NO	bb
2	2 180603M2_3	Standard	12.500	2.33	14112.663	17353.324	10.166	12.0	-4.1	NO		NO	bb
3	3 180603M2_4	Standard	12.500	2.34	15401.912	16617.988	11.585	13.7	9.3	NO		NO	bb
4	4 180603M2_5	Standard	12.500	2.34	15167.869	17547.277	10.805	12.7	1.9	NO		NO	bb
5	5 180603M2_6	Standard	12.500	2.34	14695.008	18200.756	10.092	11.9	-4.8	NO		NO	bb
6	6 180603M2_7	Standard	12.500	2.34	14556.021	17679.705	10.291	12.1	-2.9	NO		NO	bb
7	7 180603M2_8	Standard	12.500	2.34	15159.774	17705.752	10.703	12.6	1.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	2.34	14101.499	16636.857	10.595	12.5	-0.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	2.34	13457.060	16268.162	10.340	12.2	-2.5	NO		NO	bb
10	10 180603M2_11	Standard	12.500	2.34	12337.635	14454.978	10.669	12.6	0.7	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time
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Compound name: 13C3-PFBS

Response Factor: 0.102123
 RRF SD: 0.00558922, Relative SD: 5.47305
 Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	2.62	1835.080	17369.111	1.321	12.9	3.5	NO		NO	bb
2	2 180603M2_3	Standard	12.500	2.62	1810.358	17353.324	1.304	12.8	2.2	NO		NO	bb
3	3 180603M2_4	Standard	12.500	2.62	1862.340	16617.988	1.401	13.7	9.7	NO		NO	bb
4	4 180603M2_5	Standard	12.500	2.62	1827.688	17547.277	1.302	12.7	2.0	NO		NO	bb
5	5 180603M2_6	Standard	12.500	2.63	1851.845	18200.756	1.272	12.5	-0.4	NO		NO	bb
6	6 180603M2_7	Standard	12.500	2.62	1823.998	17679.705	1.290	12.6	1.0	NO		NO	bb
7	7 180603M2_8	Standard	12.500	2.63	1818.162	17705.752	1.284	12.6	0.6	NO		NO	bb
8	8 180603M2_9	Standard	12.500	2.63	1654.700	16636.857	1.243	12.2	-2.6	NO		NO	bb
9	9 180603M2_10	Standard	12.500	2.63	1579.831	16268.162	1.214	11.9	-4.9	NO		NO	bb
10	10 180603M2_11	Standard	12.500	2.63	1313.247	14454.978	1.136	11.1	-11.0	NO		NO	bb

Compound name: 13C2-4:2 FTS

Response Factor: 0.23119
 RRF SD: 0.0270955, Relative SD: 11.72
 Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	3.02	3696.335	17369.111	2.660	11.5	-7.9	NO		NO	bb
2	2 180603M2_3	Standard	12.500	3.02	3663.609	17353.324	2.639	11.4	-8.7	NO		NO	bb
3	3 180603M2_4	Standard	12.500	3.02	4043.533	16617.988	3.042	13.2	5.2	NO		NO	bb
4	4 180603M2_5	Standard	12.500	3.02	4135.085	17547.277	2.946	12.7	1.9	NO		NO	bb
5	5 180603M2_6	Standard	12.500	3.03	3892.281	18200.756	2.673	11.6	-7.5	NO		NO	bb
6	6 180603M2_7	Standard	12.500	3.03	3554.119	17679.705	2.513	10.9	-13.0	NO		NO	bb
7	7 180603M2_8	Standard	12.500	3.03	4396.625	17705.752	3.104	13.4	7.4	NO		NO	bb
8	8 180603M2_9	Standard	12.500	3.03	4715.182	16636.857	3.543	15.3	22.6	NO		NO	bb
9	9 180603M2_10	Standard	12.500	3.03	6011.217	16268.162	4.619	20.0	59.8	NO		NO	bbX
10	10 180603M2_11	Standard	12.500	3.03	7896.673	14454.978	6.829	29.5	136.3	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 13C2-PFHxA

Response Factor: 0.74434

RRF SD: 0.0339163, Relative SD: 4.55656

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	5.000	3.11	5140.567	17369.111	3.700	5.0	-0.6	NO		NO	bb
2	2 180603M2_3	Standard	5.000	3.11	4993.331	17353.324	3.597	4.8	-3.4	NO		NO	bb
3	3 180603M2_4	Standard	5.000	3.11	5403.152	16617.988	4.064	5.5	9.2	NO		NO	bb
4	4 180603M2_5	Standard	5.000	3.11	5252.656	17547.277	3.742	5.0	0.5	NO		NO	bb
5	5 180603M2_6	Standard	5.000	3.12	4943.626	18200.756	3.395	4.6	-8.8	NO		NO	bb
6	6 180603M2_7	Standard	5.000	3.12	5255.675	17679.705	3.716	5.0	-0.2	NO		NO	bb
7	7 180603M2_8	Standard	5.000	3.12	5289.254	17705.752	3.734	5.0	0.3	NO		NO	bb
8	8 180603M2_9	Standard	5.000	3.12	5130.039	16636.857	3.854	5.2	3.6	NO		NO	bb
9	9 180603M2_10	Standard	5.000	3.12	4837.902	16268.162	3.717	5.0	-0.1	NO		NO	bb
10	10 180603M2_11	Standard	5.000	3.12	4275.990	14454.978	3.698	5.0	-0.6	NO		NO	bb

Compound name: 13C4-PFHpA

Response Factor: 0.841295

RRF SD: 0.0559989, Relative SD: 6.65627

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	3.72	15583.414	17369.111	11.215	13.3	6.6	NO		NO	bb
2	2 180603M2_3	Standard	12.500	3.72	14360.869	17353.324	10.344	12.3	-1.6	NO		NO	bb
3	3 180603M2_4	Standard	12.500	3.72	15052.655	16617.988	11.323	13.5	7.7	NO		NO	bb
4	4 180603M2_5	Standard	12.500	3.73	14984.784	17547.277	10.675	12.7	1.5	NO		NO	bb
5	5 180603M2_6	Standard	12.500	3.73	14228.897	18200.756	9.772	11.6	-7.1	NO		NO	bb
6	6 180603M2_7	Standard	12.500	3.73	14349.260	17679.705	10.145	12.1	-3.5	NO		NO	bb
7	7 180603M2_8	Standard	12.500	3.73	16035.928	17705.752	11.321	13.5	7.7	NO		NO	bb
8	8 180603M2_9	Standard	12.500	3.73	14057.480	16636.857	10.562	12.6	0.4	NO		NO	bb
9	9 180603M2_10	Standard	12.500	3.73	11912.625	16268.162	9.153	10.9	-13.0	NO		NO	bb
10	10 180603M2_11	Standard	12.500	3.73	12317.354	14454.978	10.651	12.7	1.3	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 18O2-PFHxS

Response Factor: 0.414742

RRF SD: 0.019201, Relative SD: 4.62963

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	3.87	1569.461	3649.349	5.376	13.0	3.7	NO		NO	bb
2	2 180603M2_3	Standard	12.500	3.87	1468.555	3566.594	5.147	12.4	-0.7	NO		NO	bb
3	3 180603M2_4	Standard	12.500	3.88	1523.706	3531.828	5.393	13.0	4.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	3.88	1579.854	3647.114	5.415	13.1	4.4	NO		NO	bb
5	5 180603M2_6	Standard	12.500	3.88	1445.307	3511.669	5.145	12.4	-0.8	NO		NO	bb
6	6 180603M2_7	Standard	12.500	3.88	1321.032	3355.920	4.921	11.9	-5.1	NO		NO	bb
7	7 180603M2_8	Standard	12.500	3.88	1434.082	3635.302	4.931	11.9	-4.9	NO		NO	bb
8	8 180603M2_9	Standard	12.500	3.88	1312.576	3435.816	4.775	11.5	-7.9	NO		NO	bb
9	9 180603M2_10	Standard	12.500	3.88	1345.168	3176.855	5.293	12.8	2.1	NO		NO	bb
10	10 180603M2_11	Standard	12.500	3.88	1215.786	2789.534	5.448	13.1	5.1	NO		NO	bb

Compound name: 13C2-6:2 FTS

Response Factor: 0.231582

RRF SD: 0.0307411, Relative SD: 13.2744

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	4.19	4037.636	17243.055	2.927	12.6	1.1	NO		NO	bb
2	2 180603M2_3	Standard	12.500	4.19	3826.547	19366.088	2.470	10.7	-14.7	NO		NO	bb
3	3 180603M2_4	Standard	12.500	4.19	4275.934	19639.508	2.722	11.8	-6.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	4.19	4334.623	19325.984	2.804	12.1	-3.1	NO		NO	bb
5	5 180603M2_6	Standard	12.500	4.19	3887.852	19348.805	2.512	10.8	-13.2	NO		NO	bb
6	6 180603M2_7	Standard	12.500	4.19	4284.948	17256.188	3.104	13.4	7.2	NO		NO	bb
7	7 180603M2_8	Standard	12.500	4.19	4897.353	20839.855	2.937	12.7	1.5	NO		NO	bb
8	8 180603M2_9	Standard	12.500	4.19	4897.862	16622.969	3.683	15.9	27.2	NO		NO	bb
9	9 180603M2_10	Standard	12.500	4.19	6074.168	16830.904	4.511	19.5	55.8	NO		NO	bbX
10	10 180603M2_11	Standard	12.500	4.19	8700.849	13356.788	8.143	35.2	181.3	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 13C2-PFOA

Response Factor: 1.25572

RRF SD: 0.123484, Relative SD: 9.83376

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	4.24	22788.426	17243.055	16.520	13.2	5.2	NO		NO	bb
2	2 180603M2_3	Standard	12.500	4.24	24507.855	19366.088	15.819	12.6	0.8	NO		NO	bb
3	3 180603M2_4	Standard	12.500	4.24	20461.670	19639.508	13.023	10.4	-17.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	4.25	21747.594	19325.984	14.066	11.2	-10.4	NO		NO	bb
5	5 180603M2_6	Standard	12.500	4.25	24783.598	19348.805	16.011	12.8	2.0	NO		NO	bb
6	6 180603M2_7	Standard	12.500	4.25	22439.563	17256.188	16.255	12.9	3.6	NO		NO	bb
7	7 180603M2_8	Standard	12.500	4.25	24377.400	20839.855	14.622	11.6	-6.8	NO		NO	bb
8	8 180603M2_9	Standard	12.500	4.25	21079.920	16622.969	15.852	12.6	1.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	4.25	21629.521	16830.904	16.064	12.8	2.3	NO		NO	bb
10	10 180603M2_11	Standard	12.500	4.25	20017.283	13356.788	18.733	14.9	19.3	NO		NO	bb

Compound name: 13C5-PFNA

Response Factor: 0.959622

RRF SD: 0.0746783, Relative SD: 7.78206

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	4.67	18769.938	21271.105	11.030	11.5	-8.0	NO		NO	bb
2	2 180603M2_3	Standard	12.500	4.68	19999.146	18996.654	13.160	13.7	9.7	NO		NO	bb
3	3 180603M2_4	Standard	12.500	4.68	21268.121	20756.463	12.808	13.3	6.8	NO		NO	bb
4	4 180603M2_5	Standard	12.500	4.68	21763.053	21194.082	12.836	13.4	7.0	NO		NO	bb
5	5 180603M2_6	Standard	12.500	4.68	20024.189	22315.174	11.217	11.7	-6.5	NO		NO	bb
6	6 180603M2_7	Standard	12.500	4.68	18644.572	20178.691	11.550	12.0	-3.7	NO		NO	bb
7	7 180603M2_8	Standard	12.500	4.69	21593.049	20832.438	12.956	13.5	8.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	4.68	18663.838	21461.229	10.871	11.3	-9.4	NO		NO	bb
9	9 180603M2_10	Standard	12.500	4.68	17350.898	17350.639	12.500	13.0	4.2	NO		NO	bb
10	10 180603M2_11	Standard	12.500	4.68	16474.229	18677.258	11.026	11.5	-8.1	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 13C8-PFOSA

Response Factor: 0.145124
 RRF SD: 0.0146183, Relative SD: 10.073
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	4.75	4192.226	30976.199	1.692	11.7	-6.7	NO		NO	bb
2	2 180603M2_3	Standard	12.500	4.75	4063.638	30286.340	1.677	11.6	-7.5	NO		NO	bb
3	3 180603M2_4	Standard	12.500	4.75	4162.143	28408.111	1.831	12.6	1.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	4.75	4279.650	28944.660	1.848	12.7	1.9	NO		NO	bb
5	5 180603M2_6	Standard	12.500	4.75	3993.287	26693.467	1.870	12.9	3.1	NO		NO	bb
6	6 180603M2_7	Standard	12.500	4.75	4037.472	29381.432	1.718	11.8	-5.3	NO		NO	bb
7	7 180603M2_8	Standard	12.500	4.75	4124.677	22912.762	2.250	15.5	24.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	4.75	3787.264	28219.096	1.678	11.6	-7.5	NO		NO	bb
9	9 180603M2_10	Standard	12.500	4.76	3328.501	21508.281	1.934	13.3	6.6	NO		NO	bb
10	10 180603M2_11	Standard	12.500	4.75	2804.786	21351.475	1.642	11.3	-9.5	NO		NO	bb

Compound name: 13C8-PFOS

Response Factor: 1.04659
 RRF SD: 0.0294897, Relative SD: 2.81769
 Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	4.76	3858.577	3607.125	13.371	12.8	2.2	NO		NO	bb
2	2 180603M2_3	Standard	12.500	4.76	3737.641	3724.928	12.543	12.0	-4.1	NO		NO	bb
3	3 180603M2_4	Standard	12.500	4.76	3996.144	4010.002	12.457	11.9	-4.8	NO		NO	bb
4	4 180603M2_5	Standard	12.500	4.76	4026.793	3842.256	13.100	12.5	0.1	NO		NO	bb
5	5 180603M2_6	Standard	12.500	4.76	3687.167	3557.653	12.955	12.4	-1.0	NO		NO	bb
6	6 180603M2_7	Standard	12.500	4.76	3904.877	3590.565	13.594	13.0	3.9	NO		NO	bb
7	7 180603M2_8	Standard	12.500	4.76	3932.378	3653.382	13.455	12.9	2.8	NO		NO	bb
8	8 180603M2_9	Standard	12.500	4.76	3402.080	3204.611	13.270	12.7	1.4	NO		NO	bb
9	9 180603M2_10	Standard	12.500	4.76	3362.496	3218.791	13.058	12.5	-0.2	NO		NO	bb
10	10 180603M2_11	Standard	12.500	4.76	3053.424	2931.359	13.021	12.4	-0.5	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 13C2-PFDA

Response Factor: 1.11821

RRF SD: 0.109082, Relative SD: 9.75501

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	5.05	19146.543	19808.373	12.082	10.8	-13.6	NO		NO	bb
2	2 180603M2_3	Standard	12.500	5.04	24584.350	23192.090	13.250	11.8	-5.2	NO		NO	bb
3	3 180603M2_4	Standard	12.500	5.05	25779.711	24616.742	13.091	11.7	-6.3	NO		NO	bb
4	4 180603M2_5	Standard	12.500	5.05	28702.930	22939.766	15.640	14.0	11.9	NO		NO	bb
5	5 180603M2_6	Standard	12.500	5.05	22483.127	23315.555	12.054	10.8	-13.8	NO		NO	bb
6	6 180603M2_7	Standard	12.500	5.05	25993.691	23125.375	14.050	12.6	0.5	NO		NO	bb
7	7 180603M2_8	Standard	12.500	5.05	30067.543	26363.756	14.256	12.7	2.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	5.05	26322.408	21092.996	15.599	13.9	11.6	NO		NO	bb
9	9 180603M2_10	Standard	12.500	5.05	26612.340	21331.662	15.594	13.9	11.6	NO		NO	bb
10	10 180603M2_11	Standard	12.500	5.05	20512.344	18108.209	14.160	12.7	1.3	NO		NO	bb

Compound name: 13C2-8:2 FTS

Response Factor: 0.210841

RRF SD: 0.0263463, Relative SD: 12.4958

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	5.02	3490.642	17369.111	2.512	11.9	-4.7	NO		NO	bb
2	2 180603M2_3	Standard	12.500	5.02	3449.516	17353.324	2.485	11.8	-5.7	NO		NO	bb
3	3 180603M2_4	Standard	12.500	5.02	3255.954	16617.988	2.449	11.6	-7.1	NO		NO	bb
4	4 180603M2_5	Standard	12.500	5.02	3546.990	17547.277	2.527	12.0	-4.1	NO		NO	bb
5	5 180603M2_6	Standard	12.500	5.02	3392.747	18200.756	2.330	11.1	-11.6	NO		NO	bb
6	6 180603M2_7	Standard	12.500	5.02	3514.228	17679.705	2.485	11.8	-5.7	NO		NO	bb
7	7 180603M2_8	Standard	12.500	5.03	4278.210	17705.752	3.020	14.3	14.6	NO		NO	bb
8	8 180603M2_9	Standard	12.500	5.02	4360.501	16636.857	3.276	15.5	24.3	NO		NO	bb
9	9 180603M2_10	Standard	12.500	5.02	5610.659	16268.162	4.311	20.4	63.6	NO		NO	bbX
10	10 180603M2_11	Standard	12.500	5.02	7991.470	14454.978	6.911	32.8	162.2	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: d3-N-MeFOSAA

Response Factor: 0.182439
 RRF SD: 0.0213379, Relative SD: 11.6959
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	5.19	5166.020	30976.199	2.085	11.4	-8.6	NO		NO	bb
2	2 180603M2_3	Standard	12.500	5.19	5019.486	30286.340	2.072	11.4	-9.2	NO		NO	bb
3	3 180603M2_4	Standard	12.500	5.20	5033.387	28408.111	2.215	12.1	-2.9	NO		NO	bb
4	4 180603M2_5	Standard	12.500	5.20	4867.027	28944.660	2.102	11.5	-7.8	NO		NO	bb
5	5 180603M2_6	Standard	12.500	5.20	4913.452	26693.467	2.301	12.6	0.9	NO		NO	bb
6	6 180603M2_7	Standard	12.500	5.20	5024.185	29381.432	2.137	11.7	-6.3	NO		NO	bb
7	7 180603M2_8	Standard	12.500	5.20	5116.544	22912.762	2.791	15.3	22.4	NO		NO	bb
8	8 180603M2_9	Standard	12.500	5.20	4530.335	28219.096	2.007	11.0	-12.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	5.20	4566.378	21508.281	2.654	14.5	16.4	NO		NO	bb
10	10 180603M2_11	Standard	12.500	5.20	4170.621	21351.475	2.442	13.4	7.1	NO		NO	bb

Compound name: d5-N-EtFOSAA

Response Factor: 0.222589
 RRF SD: 0.023558, Relative SD: 10.5836
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	5.35	6561.538	30976.199	2.648	11.9	-4.8	NO		NO	bb
2	2 180603M2_3	Standard	12.500	5.35	6339.493	30286.340	2.616	11.8	-6.0	NO		NO	bb
3	3 180603M2_4	Standard	12.500	5.35	6870.538	28408.111	3.023	13.6	8.7	NO		NO	bb
4	4 180603M2_5	Standard	12.500	5.36	6666.748	28944.660	2.879	12.9	3.5	NO		NO	bb
5	5 180603M2_6	Standard	12.500	5.36	6075.031	26693.467	2.845	12.8	2.2	NO		NO	bb
6	6 180603M2_7	Standard	12.500	5.36	5966.752	29381.432	2.538	11.4	-8.8	NO		NO	bb
7	7 180603M2_8	Standard	12.500	5.35	6199.922	22912.762	3.382	15.2	21.6	NO		NO	bb
8	8 180603M2_9	Standard	12.500	5.35	5371.537	28219.096	2.379	10.7	-14.5	NO		NO	bb
9	9 180603M2_10	Standard	12.500	5.35	5087.055	21508.281	2.956	13.3	6.3	NO		NO	bb
10	10 180603M2_11	Standard	12.500	5.35	4365.234	21351.475	2.556	11.5	-8.2	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 13C2-PFUdA

Response Factor: 0.958087

RRF SD: 0.111881, Relative SD: 11.6775

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	5.37	28893.295	30976.199	11.659	12.2	-2.6	NO		NO	bb
2	2 180603M2_3	Standard	12.500	5.37	25446.445	30286.340	10.502	11.0	-12.3	NO		NO	bb
3	3 180603M2_4	Standard	12.500	5.37	29251.656	28408.111	12.871	13.4	7.5	NO		NO	bb
4	4 180603M2_5	Standard	12.500	5.37	29319.832	28944.660	12.662	13.2	5.7	NO		NO	bb
5	5 180603M2_6	Standard	12.500	5.37	25472.016	26693.467	11.928	12.4	-0.4	NO		NO	bb
6	6 180603M2_7	Standard	12.500	5.37	24071.061	29381.432	10.241	10.7	-14.5	NO		NO	bb
7	7 180603M2_8	Standard	12.500	5.37	26738.559	22912.762	14.587	15.2	21.8	NO		NO	bb
8	8 180603M2_9	Standard	12.500	5.37	22839.299	28219.096	10.117	10.6	-15.5	NO		NO	bb
9	9 180603M2_10	Standard	12.500	5.37	21626.578	21508.281	12.569	13.1	4.9	NO		NO	bb
10	10 180603M2_11	Standard	12.500	5.37	21563.584	21351.475	12.624	13.2	5.4	NO		NO	bb

Compound name: 13C2-PFDoA

Response Factor: 1.13804

RRF SD: 0.153517, Relative SD: 13.4896

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	5.65	27089.834	19808.373	17.095	15.0	20.2	NO		NO	bb
2	2 180603M2_3	Standard	12.500	5.65	25434.553	23192.090	13.709	12.0	-3.6	NO		NO	bb
3	3 180603M2_4	Standard	12.500	5.65	20996.686	24616.742	10.662	9.4	-25.1	NO		NO	bb
4	4 180603M2_5	Standard	12.500	5.65	25954.611	22939.766	14.143	12.4	-0.6	NO		NO	bb
5	5 180603M2_6	Standard	12.500	5.65	24319.283	23315.555	13.038	11.5	-8.3	NO		NO	bb
6	6 180603M2_7	Standard	12.500	5.65	23548.979	23125.375	12.729	11.2	-10.5	NO		NO	bb
7	7 180603M2_8	Standard	12.500	5.65	28591.041	26363.756	13.556	11.9	-4.7	NO		NO	bb
8	8 180603M2_9	Standard	12.500	5.65	26644.039	21092.996	15.790	13.9	11.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	5.65	25941.885	21331.662	15.202	13.4	6.9	NO		NO	bb
10	10 180603M2_11	Standard	12.500	5.65	23659.391	18108.209	16.332	14.4	14.8	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: d3-N-MeFOSA

Response Factor: 0.0508247

RRF SD: 0.00656166, Relative SD: 12.9104

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	150.000	5.88	16316.126	30976.199	6.584	129.5	-13.6	NO		NO	bb
2	2 180603M2_3	Standard	150.000	5.88	15902.306	30286.340	6.563	129.1	-13.9	NO		NO	bb
3	3 180603M2_4	Standard	150.000	5.88	17272.928	28408.111	7.600	149.5	-0.3	NO		NO	bb
4	4 180603M2_5	Standard	150.000	5.88	16655.211	28944.660	7.193	141.5	-5.7	NO		NO	bb
5	5 180603M2_6	Standard	150.000	5.88	16771.635	26693.467	7.854	154.5	3.0	NO		NO	bb
6	6 180603M2_7	Standard	150.000	5.89	15901.850	29381.432	6.765	133.1	-11.3	NO		NO	bb
7	7 180603M2_8	Standard	150.000	5.89	16876.580	22912.762	9.207	181.2	20.8	NO		NO	bb
8	8 180603M2_9	Standard	150.000	5.89	15954.447	28219.096	7.067	139.1	-7.3	NO		NO	bb
9	9 180603M2_10	Standard	150.000	5.89	15739.222	21508.281	9.147	180.0	20.0	NO		NO	bb
10	10 180603M2_11	Standard	150.000	5.89	14102.471	21351.475	8.256	162.4	8.3	NO		NO	bb

Compound name: 13C2-PFTeDA

Response Factor: 0.861755

RRF SD: 0.164399, Relative SD: 19.0772

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	6.10	21462.785	30976.199	8.661	10.1	-19.6	NO		NO	bb
2	2 180603M2_3	Standard	12.500	6.10	20578.910	30286.340	8.493	9.9	-21.2	NO		NO	bb
3	3 180603M2_4	Standard	12.500	6.11	22493.512	28408.111	9.897	11.5	-8.1	NO		NO	bb
4	4 180603M2_5	Standard	12.500	6.11	21672.035	28944.660	9.359	10.9	-13.1	NO		NO	bb
5	5 180603M2_6	Standard	12.500	6.11	22196.295	26693.467	10.394	12.1	-3.5	NO		NO	bb
6	6 180603M2_7	Standard	12.500	6.11	22325.559	29381.432	9.498	11.0	-11.8	NO		NO	bb
7	7 180603M2_8	Standard	12.500	6.11	24476.057	22912.762	13.353	15.5	24.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	6.11	24183.275	28219.096	10.712	12.4	-0.6	NO		NO	bb
9	9 180603M2_10	Standard	12.500	6.11	24206.561	21508.281	14.068	16.3	30.6	NO		NO	bb
10	10 180603M2_11	Standard	12.500	6.11	22688.400	21351.475	13.283	15.4	23.3	NO		NO	bb

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Compound name: d5-N-ETFOSA

Response Factor: 0.0662004

RRF SD: 0.00741356, Relative SD: 11.1987

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	150.000	6.26	22190.391	30976.199	8.955	135.3	-9.8	NO		NO	bb
2	2 180603M2_3	Standard	150.000	6.26	21433.010	30286.340	8.846	133.6	-10.9	NO		NO	bb
3	3 180603M2_4	Standard	150.000	6.26	22178.873	28408.111	9.759	147.4	-1.7	NO		NO	bb
4	4 180603M2_5	Standard	150.000	6.26	22210.188	28944.660	9.592	144.9	-3.4	NO		NO	bb
5	5 180603M2_6	Standard	150.000	6.26	22281.158	26693.467	10.434	157.6	5.1	NO		NO	bb
6	6 180603M2_7	Standard	150.000	6.26	21612.400	29381.432	9.195	138.9	-7.4	NO		NO	bb
7	7 180603M2_8	Standard	150.000	6.27	22298.518	22912.762	12.165	183.8	22.5	NO		NO	bb
8	8 180603M2_9	Standard	150.000	6.27	20023.377	28219.096	8.870	134.0	-10.7	NO		NO	bb
9	9 180603M2_10	Standard	150.000	6.27	19445.982	21508.281	11.301	170.7	13.8	NO		NO	bb
10	10 180603M2_11	Standard	150.000	6.27	17396.836	21351.475	10.185	153.8	2.6	NO		NO	bb

Compound name: 13C2-PFHxDA

Response Factor: 1.17269

RRF SD: 0.192902, Relative SD: 16.4495

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	5.000	6.44	11781.388	30976.199	4.754	4.1	-18.9	NO		NO	bb
2	2 180603M2_3	Standard	5.000	6.44	11436.419	30286.340	4.720	4.0	-19.5	NO		NO	bb
3	3 180603M2_4	Standard	5.000	6.44	12740.659	28408.111	5.606	4.8	-4.4	NO		NO	bb
4	4 180603M2_5	Standard	5.000	6.44	12174.550	28944.660	5.258	4.5	-10.3	NO		NO	bb
5	5 180603M2_6	Standard	5.000	6.44	12790.587	26693.467	5.990	5.1	2.2	NO		NO	bb
6	6 180603M2_7	Standard	5.000	6.44	12262.140	29381.432	5.217	4.4	-11.0	NO		NO	bb
7	7 180603M2_8	Standard	5.000	6.45	12825.989	22912.762	6.997	6.0	19.3	NO		NO	bb
8	8 180603M2_9	Standard	5.000	6.44	12855.009	28219.096	5.694	4.9	-2.9	NO		NO	bb
9	9 180603M2_10	Standard	5.000	6.44	12033.121	21508.281	6.993	6.0	19.3	NO		NO	bb
10	10 180603M2_11	Standard	5.000	6.44	12648.990	21351.475	7.405	6.3	26.3	NO		NO	bb

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Compound name: d7-N-MeFOSE

Response Factor: 0.0376454
 RRF SD: 0.00684002, Relative SD: 18.1696
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	150.000	6.37	11628.039	30976.199	4.692	124.6	-16.9	NO		NO	MM
2	2 180603M2_3	Standard	150.000	6.37	11147.11	30286.340	4.601	122.2	-18.5	NO		NO	bb
3	3 180603M2_4	Standard	150.000	6.37	12015.749	28408.111	5.287	140.4	-6.4	NO		NO	bb
4	4 180603M2_5	Standard	150.000	6.37	11662.517	28944.660	5.037	133.8	-10.8	NO		NO	bb
5	5 180603M2_6	Standard	150.000	6.37	11666.826	26693.467	5.463	145.1	-3.2	NO		NO	MM
6	6 180603M2_7	Standard	150.000	6.37	11845.252	29381.432	5.039	133.9	-10.8	NO		NO	MM
7	7 180603M2_8	Standard	150.000	6.37	12670.946	22912.762	6.913	183.6	22.4	NO		NO	MM
8	8 180603M2_9	Standard	150.000	6.37	11510.365	28219.096	5.099	135.4	-9.7	NO		NO	bb
9	9 180603M2_10	Standard	150.000	6.37	12126.395	21508.281	7.048	187.2	24.8	NO		NO	MM
10	10 180603M2_11	Standard	150.000	6.37	12452.011	21351.475	7.290	193.6	29.1	NO		NO	MM

Compound name: d9-N-EtFOSE

Response Factor: 0.0353491
 RRF SD: 0.00536495, Relative SD: 15.1771
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	150.000	6.52	11307.576	30976.199	4.563	129.1	-13.9	NO		NO	MM
2	2 180603M2_3	Standard	150.000	6.52	11422.320	30286.340	4.714	133.4	-11.1	NO		NO	bb
3	3 180603M2_4	Standard	150.000	6.52	11465.017	28408.111	5.045	142.7	-4.9	NO		NO	bb
4	4 180603M2_5	Standard	150.000	6.52	11764.180	28944.660	5.080	143.7	-4.2	NO		NO	bb
5	5 180603M2_6	Standard	150.000	6.52	10799.432	26693.467	5.057	143.1	-4.6	NO		NO	bb
6	6 180603M2_7	Standard	150.000	6.52	10715.487	29381.432	4.559	129.0	-14.0	NO		NO	bb
7	7 180603M2_8	Standard	150.000	6.52	11835.431	22912.762	6.457	182.7	21.8	NO		NO	bb
8	8 180603M2_9	Standard	150.000	6.52	10613.874	28219.096	4.702	133.0	-11.3	NO		NO	bb
9	9 180603M2_10	Standard	150.000	6.52	11032.510	21508.281	6.412	181.4	20.9	NO		NO	bb
10	10 180603M2_11	Standard	150.000	6.52	10991.780	21351.475	6.435	182.0	21.4	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	1.37	12438.893	12438.893	12.500	12.5	0.0	NO		NO	bb
2	2 180603M2_3	Standard	12.500	1.37	11874.155	11874.155	12.500	12.5	0.0	NO		NO	bb
3	3 180603M2_4	Standard	12.500	1.37	12632.165	12632.165	12.500	12.5	0.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	1.37	12725.610	12725.610	12.500	12.5	0.0	NO		NO	bb
5	5 180603M2_6	Standard	12.500	1.37	12050.026	12050.026	12.500	12.5	0.0	NO		NO	bb
6	6 180603M2_7	Standard	12.500	1.37	11901.224	11901.224	12.500	12.5	0.0	NO		NO	bb
7	7 180603M2_8	Standard	12.500	1.38	12816.611	12816.611	12.500	12.5	0.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	1.38	11575.312	11575.312	12.500	12.5	0.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	1.38	11857.146	11857.146	12.500	12.5	0.0	NO		NO	bb
10	10 180603M2_11	Standard	12.500	1.38	10959.182	10959.182	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C5-PFHxA

Response Factor: 1

RRF SD: 8.27511e-017, Relative SD: 8.27511e-015

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	3.11	17369.111	17369.111	12.500	12.5	0.0	NO		NO	bb
2	2 180603M2_3	Standard	12.500	3.10	17353.324	17353.324	12.500	12.5	0.0	NO		NO	bb
3	3 180603M2_4	Standard	12.500	3.11	16617.988	16617.988	12.500	12.5	0.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	3.11	17547.277	17547.277	12.500	12.5	0.0	NO		NO	bb
5	5 180603M2_6	Standard	12.500	3.12	18200.756	18200.756	12.500	12.5	0.0	NO		NO	bb
6	6 180603M2_7	Standard	12.500	3.12	17679.705	17679.705	12.500	12.5	0.0	NO		NO	bb
7	7 180603M2_8	Standard	12.500	3.12	17705.752	17705.752	12.500	12.5	0.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	3.12	16636.857	16636.857	12.500	12.5	0.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	3.12	16268.162	16268.162	12.500	12.5	0.0	NO		NO	bb
10	10 180603M2_11	Standard	12.500	3.12	14454.978	14454.978	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

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Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 3.70074e-017, Relative SD: 3.70074e-015

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	3.87	3649.349	3649.349	12.500	12.5	0.0	NO		NO	bb
2	2 180603M2_3	Standard	12.500	3.87	3566.594	3566.594	12.500	12.5	0.0	NO		NO	bb
3	3 180603M2_4	Standard	12.500	3.88	3531.828	3531.828	12.500	12.5	0.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	3.88	3647.114	3647.114	12.500	12.5	0.0	NO		NO	bb
5	5 180603M2_6	Standard	12.500	3.88	3511.669	3511.669	12.500	12.5	0.0	NO		NO	bb
6	6 180603M2_7	Standard	12.500	3.88	3355.920	3355.920	12.500	12.5	0.0	NO		NO	bb
7	7 180603M2_8	Standard	12.500	3.88	3635.302	3635.302	12.500	12.5	0.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	3.88	3435.816	3435.816	12.500	12.5	0.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	3.88	3176.855	3176.855	12.500	12.5	0.0	NO		NO	bb
10	10 180603M2_11	Standard	12.500	3.88	2789.534	2789.534	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	4.24	17243.055	17243.055	12.500	12.5	0.0	NO		NO	bb
2	2 180603M2_3	Standard	12.500	4.24	19366.088	19366.088	12.500	12.5	0.0	NO		NO	bb
3	3 180603M2_4	Standard	12.500	4.24	19639.508	19639.508	12.500	12.5	0.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	4.25	19325.984	19325.984	12.500	12.5	0.0	NO		NO	bb
5	5 180603M2_6	Standard	12.500	4.25	19348.805	19348.805	12.500	12.5	0.0	NO		NO	bb
6	6 180603M2_7	Standard	12.500	4.25	17256.188	17256.188	12.500	12.5	0.0	NO		NO	bb
7	7 180603M2_8	Standard	12.500	4.25	20839.855	20839.855	12.500	12.5	0.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	4.25	16622.969	16622.969	12.500	12.5	0.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	4.25	16830.904	16830.904	12.500	12.5	0.0	NO		NO	bb
10	10 180603M2_11	Standard	12.500	4.25	13356.788	13356.788	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	4.67	21271.105	21271.105	12.500	12.5	0.0	NO		NO	bb
2	2 180603M2_3	Standard	12.500	4.68	18996.654	18996.654	12.500	12.5	0.0	NO		NO	bb
3	3 180603M2_4	Standard	12.500	4.68	20756.463	20756.463	12.500	12.5	0.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	4.68	21194.082	21194.082	12.500	12.5	0.0	NO		NO	bb
5	5 180603M2_6	Standard	12.500	4.68	22315.174	22315.174	12.500	12.5	0.0	NO		NO	bb
6	6 180603M2_7	Standard	12.500	4.68	20178.691	20178.691	12.500	12.5	0.0	NO		NO	bb
7	7 180603M2_8	Standard	12.500	4.68	20832.438	20832.438	12.500	12.5	0.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	4.69	21461.229	21461.229	12.500	12.5	0.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	4.68	17350.639	17350.639	12.500	12.5	0.0	NO		NO	bb
10	10 180603M2_11	Standard	12.500	4.68	18677.258	18677.258	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C4-PFOS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	4.76	3607.125	3607.125	12.500	12.5	0.0	NO		NO	bb
2	2 180603M2_3	Standard	12.500	4.76	3724.928	3724.928	12.500	12.5	0.0	NO		NO	bb
3	3 180603M2_4	Standard	12.500	4.76	4010.002	4010.002	12.500	12.5	0.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	4.76	3842.256	3842.256	12.500	12.5	0.0	NO		NO	bb
5	5 180603M2_6	Standard	12.500	4.76	3557.653	3557.653	12.500	12.5	0.0	NO		NO	bb
6	6 180603M2_7	Standard	12.500	4.76	3590.565	3590.565	12.500	12.5	0.0	NO		NO	bb
7	7 180603M2_8	Standard	12.500	4.76	3653.382	3653.382	12.500	12.5	0.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	4.76	3204.611	3204.611	12.500	12.5	0.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	4.76	3218.791	3218.791	12.500	12.5	0.0	NO		NO	bb
10	10 180603M2_11	Standard	12.500	4.76	2931.359	2931.359	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	5.05	19808.373	19808.373	12.500	12.5	0.0	NO		NO	bb
2	2 180603M2_3	Standard	12.500	5.05	23192.090	23192.090	12.500	12.5	0.0	NO		NO	bb
3	3 180603M2_4	Standard	12.500	5.05	24616.742	24616.742	12.500	12.5	0.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	5.05	22939.766	22939.766	12.500	12.5	0.0	NO		NO	bb
5	5 180603M2_6	Standard	12.500	5.05	23315.555	23315.555	12.500	12.5	0.0	NO		NO	bb
6	6 180603M2_7	Standard	12.500	5.05	23125.375	23125.375	12.500	12.5	0.0	NO		NO	bb
7	7 180603M2_8	Standard	12.500	5.05	26363.756	26363.756	12.500	12.5	0.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	5.05	21092.996	21092.996	12.500	12.5	0.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	5.05	21331.662	21331.662	12.500	12.5	0.0	NO		NO	bb
10	10 180603M2_11	Standard	12.500	5.05	18108.209	18108.209	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUdA

Response Factor: 1

RRF SD: 7.40149e-017, Relative SD: 7.40149e-015

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180603M2_2	Standard	12.500	5.37	30976.199	30976.199	12.500	12.5	0.0	NO		NO	bb
2	2 180603M2_3	Standard	12.500	5.37	30286.340	30286.340	12.500	12.5	0.0	NO		NO	bb
3	3 180603M2_4	Standard	12.500	5.37	28408.111	28408.111	12.500	12.5	0.0	NO		NO	bb
4	4 180603M2_5	Standard	12.500	5.37	28944.660	28944.660	12.500	12.5	0.0	NO		NO	bb
5	5 180603M2_6	Standard	12.500	5.37	26693.467	26693.467	12.500	12.5	0.0	NO		NO	bb
6	6 180603M2_7	Standard	12.500	5.37	29381.432	29381.432	12.500	12.5	0.0	NO		NO	bb
7	7 180603M2_8	Standard	12.500	5.37	22912.762	22912.762	12.500	12.5	0.0	NO		NO	bb
8	8 180603M2_9	Standard	12.500	5.37	28219.096	28219.096	12.500	12.5	0.0	NO		NO	bb
9	9 180603M2_10	Standard	12.500	5.37	21508.281	21508.281	12.500	12.5	0.0	NO		NO	bb
10	10 180603M2_11	Standard	12.500	5.37	21351.475	21351.475	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:48:04 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_2, Date: 03-Jun-2018, Time: 18:07:52, ID: ST180603M2-2 PFC CS-2 18E2902, Description: PFC CS-2 18E2902

	# Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	36	0.9998	NO	
2	2 PFPeA	37	1.0000	NO	
3	3 PFBS	38	0.9998	NO	
4	4 4:2 FTS	39	0.9981	NO	
5	5 PFHxA	40	0.9999	NO	
6	6 PFPeS	38	0.9989	NO	
7	7 PFHpA	41	1.0000	NO	
8	8 L-PFHxS	42	0.9990	NO	
9	10 6:2 FTS	43	0.9991	NO	
10	11 L-PFOA	44	0.9997	NO	
11	13 PFHpS	44	0.9996	NO	
12	14 PFNA	45	0.9997	NO	
13	15 PFOSA	46	0.9998	NO	
14	16 L-PFOS	47	0.9998	NO	
15	18 PFDA	48	0.9990	NO	
16	19 8:2 FTS	49	0.9995	NO	
17	20 PFNS	47	0.9996	NO	
18	21 L-MeFOSAA	50	0.9997	NO	
19	23 L-EtFOSAA	51	0.9996	NO	

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:48:17 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_2, Date: 03-Jun-2018, Time: 18:07:52, ID: ST180603M2-2 PFC CS-2 18E2902, Description: PFC CS-2 18E2902

#	Name	IS#	CoD	CoD Flag	%RSD
1	25 PFUdA	52	0.9934	NO	
2	26 PFDS	52	0.9993	NO	
3	27 PFDoA	53	0.9970	NO	
4	28 N-MeFOSA	54	0.9996	NO	
5	29 PFTrDA	53	0.9994	NO	
6	30 PFTeDA	55	0.9993	NO	
7	31 N-EtFOSA	56	0.9999	NO	
8	32 PFHxDA	57	0.9989	NO	
9	33 PFODA	57	0.9981	NO	
10	34 N-MeFOSE	58	0.9996	NO	
11	35 N-EtFOSE	59	0.9998	NO	
12	36 13C3-PFBA	60		NO	1.314
13	37 13C3-PFPeA	61		NO	4.053
14	38 13C3-PFBS	61		NO	5.473
15	39 13C2-4:2 FTS	61		NO	11.720
16	40 13C2-PFHxA	61		NO	4.557
17	41 13C4-PFHpA	61		NO	6.656
18	42 18O2-PFHxS	62		NO	4.630
19	43 13C2-6:2 FTS	63		NO	13.274
20	44 13C2-PFOA	63		NO	9.834
21	45 13C5-PFNA	64		NO	7.782
22	46 13C8-PFOSA	67		NO	10.073
23	47 13C8-PFOS	65		NO	2.818
24	48 13C2-PFDA	66		NO	9.755
25	49 13C2-8:2 FTS	61		NO	12.496
26	50 d3-N-MeFOSAA	67		NO	11.696
27	51 d5-N-EtFOSAA	67		NO	10.584
28	52 13C2-PFUdA	67		NO	11.678
29	53 13C2-PFDoA	66		NO	13.490
30	54 d3-N-MeFOSA	67		NO	12.910
31	55 13C2-PFTeDA	67		NO	19.077

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

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Name: 180603M2_2, Date: 03-Jun-2018, Time: 18:07:52, ID: ST180603M2-2 PFC CS-2 18E2902, Description: PFC CS-2 18E2902

#	Name	IS#	CoD	CoD Flag	%RSD
32	56 d5-N-ETFOSA	67		NO	11.199
33	57 13C2-PFHxDA	67		NO	16.450
34	58 d7-N-MeFOSE	67		NO	18.170
35	59 d9-N-EtFOSE	67		NO	15.177
36	60 13C4-PFBA	60		NO	0.000
37	61 13C5-PFHxA	61		NO	0.000
38	62 13C3-PFHxS	62		NO	0.000
39	63 13C8-PFOA	63		NO	0.000
40	64 13C9-PFNA	64		NO	0.000
41	65 13C4-PFOS	65		NO	0.000
42	66 13C6-PFDA	66		NO	0.000
43	67 13C7-PFUdA	67		NO	0.000

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:03:06 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_7, Date: 03-Jun-2018, Time: 19:00:12, ID: ST180603M2-6 PFC CS3 18E2907, Description: PFC CS3 18E2907

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.638	NO
4	4:2 FTS	1.894	NO
5	PFHxA	186.035	NO
6	PFPeS	1.660	NO
7	PFHpA	17.747	NO
8	L-PFHxS	1.719	NO
9	6:2 FTS	3.055	NO
10	L-PFOA	4.213	NO
11	PFHpS	2.095	NO
12	PFNA	5.321	NO
13	PFOSA	20.979	NO
14	L-PFOS	1.919	NO
15	PFDA	5.728	NO
16	8:2 FTS	2.581	NO
17	PFNS	1.942	NO
18	L-MeFOSAA	12.946	NO
19	L-EtFOSAA	14.455	NO

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:03:13 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_7, Date: 03-Jun-2018, Time: 19:00:12, ID: ST180603M2-6 PFC CS3 18E2907, Description: PFC CS3 18E2907

	Name	Ion Ratio	Ratio out?
1	PFUdA	11.410	NO
2	PFDS	2.020	NO
3	PFDoA	9.313	NO
4	N-MeFOSA	1.402	NO
5	PFTrDA	29.196	NO
6	PFTeDA	12.393	NO
7	N-EtFOSA	1.446	NO
8	PFHxDA	39.327	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

Dataset: Untitled

Last Altered: Monday, June 04, 2018 09:10:30 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:10:49 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180603M2_1	IPA	03-Jun-18	17:55:38
2	2 180603M2_2	ST180603M2-2 PFC CS-2 18E2902	03-Jun-18	18:07:52
3	3 180603M2_3	ST180603M2-2 PFC CS-1 18E2903	03-Jun-18	18:18:22
4	4 180603M2_4	ST180603M2-3 PFC CS0 18E2904	03-Jun-18	18:28:47
5	5 180603M2_5	ST180603M2-4 PFC CS1 18E2905	03-Jun-18	18:39:17
6	6 180603M2_6	ST180603M2-5 PFC CS2 18E2906	03-Jun-18	18:49:42
7	7 180603M2_7	ST180603M2-6 PFC CS3 18E2907	03-Jun-18	19:00:12
8	8 180603M2_8	ST180603M2-7 PFC CS4 18E2908	03-Jun-18	19:10:37
9	9 180603M2_9	ST180603M2-8 PFC CS5 18E2909	03-Jun-18	19:21:07
10	10 180603M2_10	ST180603M2-9 PFC CS6 18E2910	03-Jun-18	19:31:33
11	11 180603M2_11	ST180603M2-10 PFC CS7 18E2911	03-Jun-18	19:42:03
12	12 180603M2_12	IPA	03-Jun-18	19:52:27
13	13 180603M2_13	ICV180603M2-1 PFC 537 ICV 18E2901	03-Jun-18	20:02:58
14	14 180603M2_14	IPA	03-Jun-18	20:13:28

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

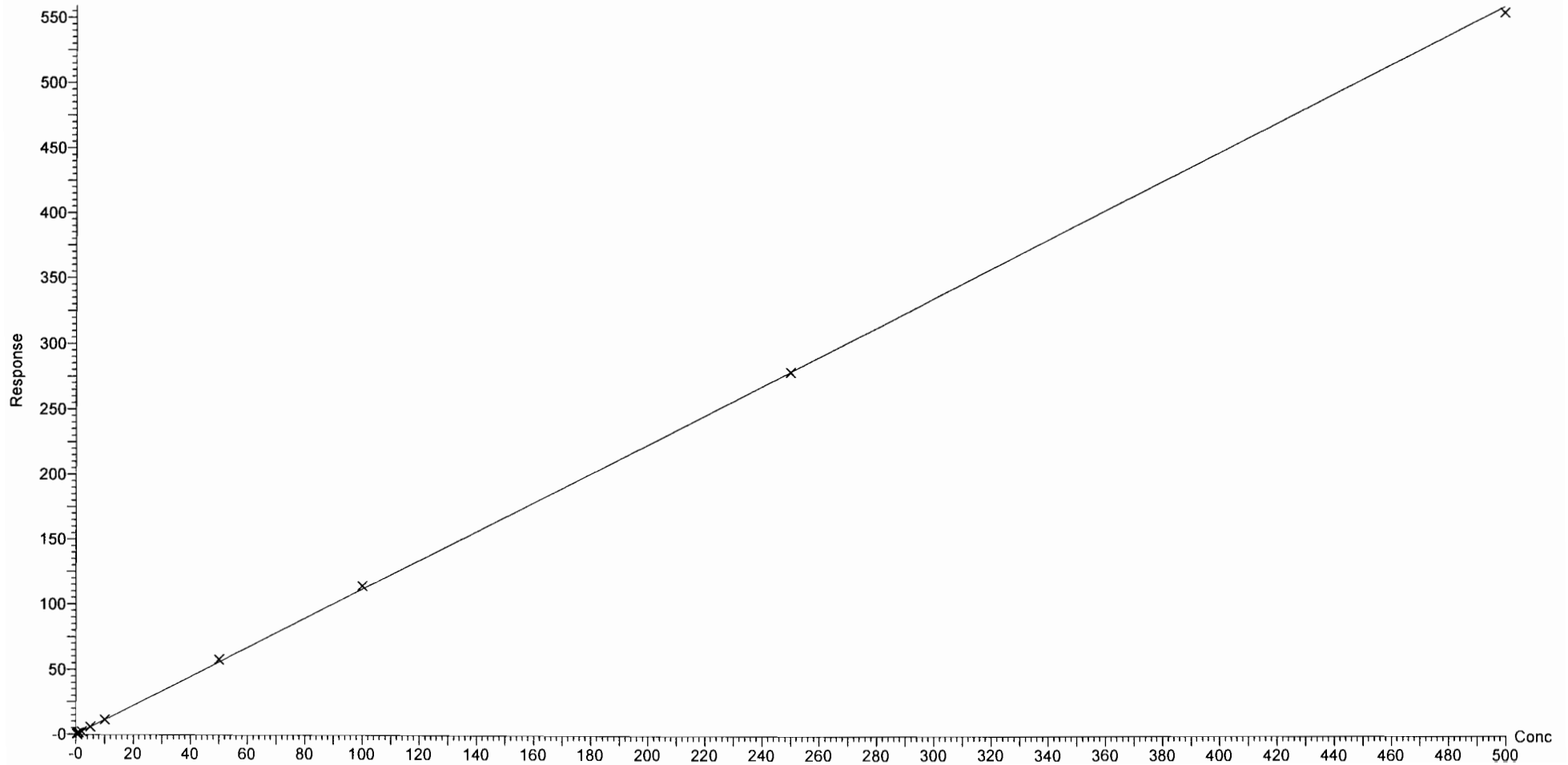
Compound name: PFBA

Correlation coefficient: $r = 0.999917$, $r^2 = 0.999834$

Calibration curve: $1.11767 * x + 0.0424299$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

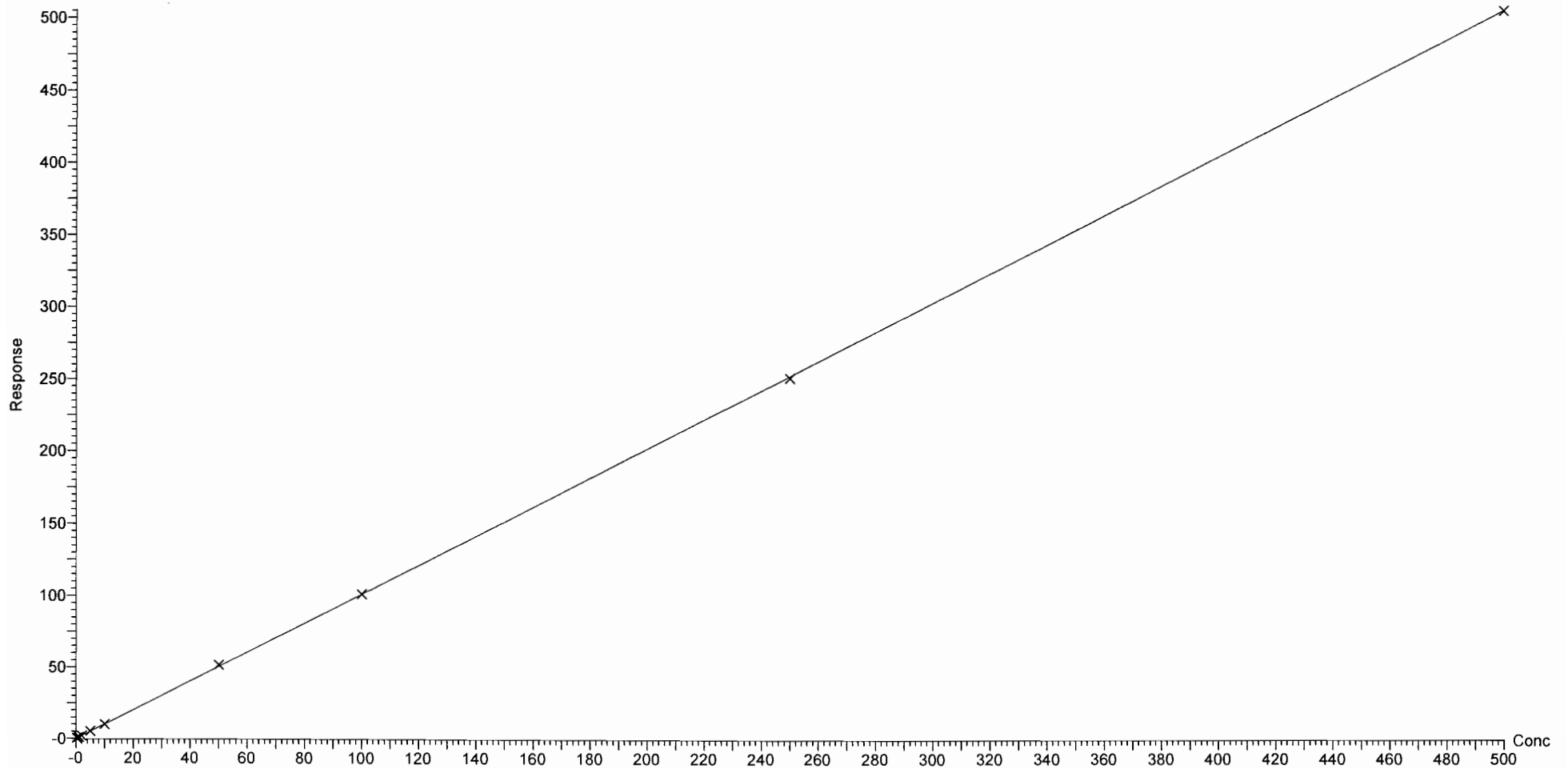
Compound name: PFPeA

Correlation coefficient: $r = 0.999979$, $r^2 = 0.999958$

Calibration curve: $1.01016 * x + 0.0157886$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

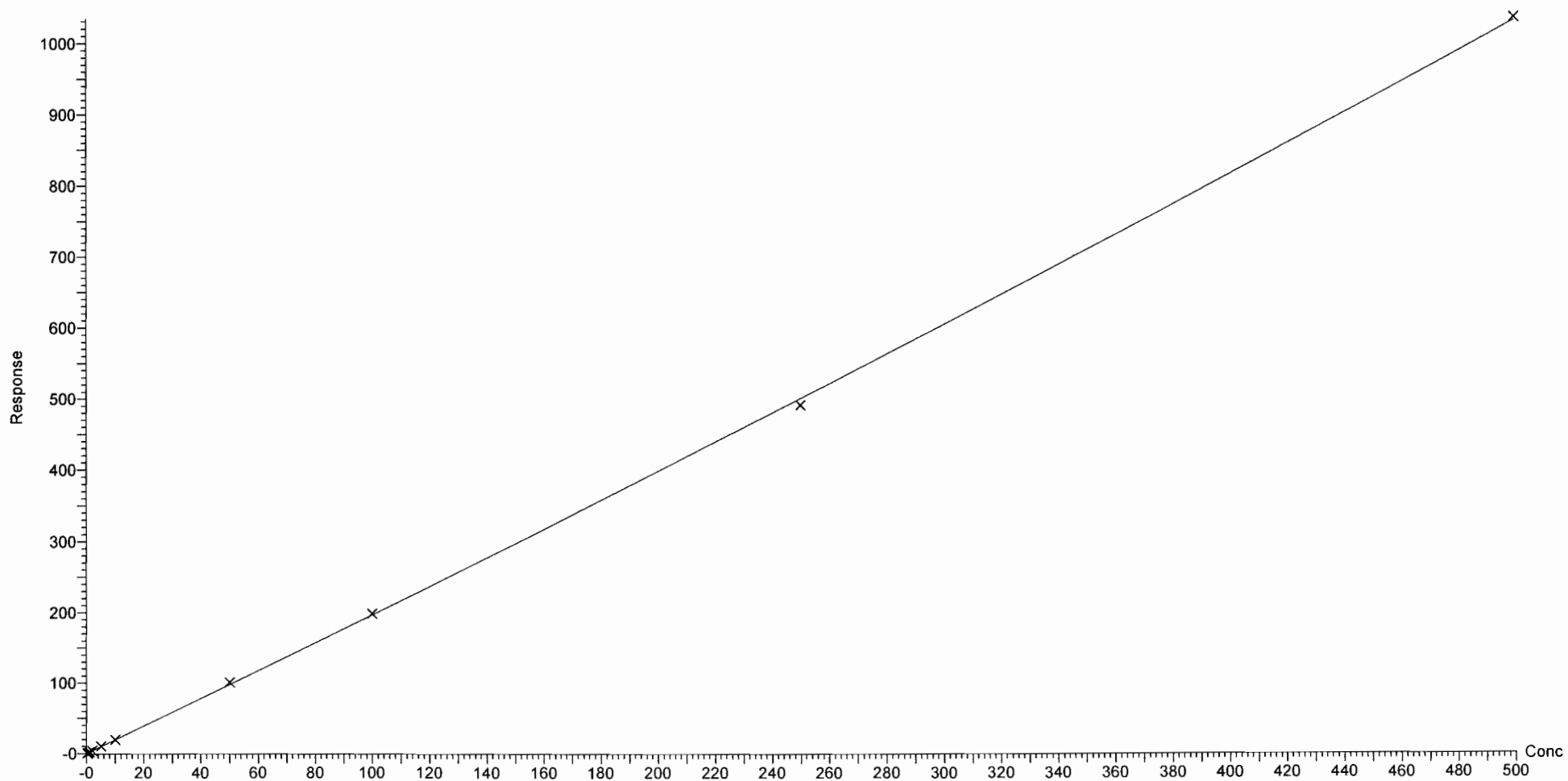
Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999815$

Calibration curve: $0.000223532 * x^2 + 1.94727 * x + 0.0273154$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

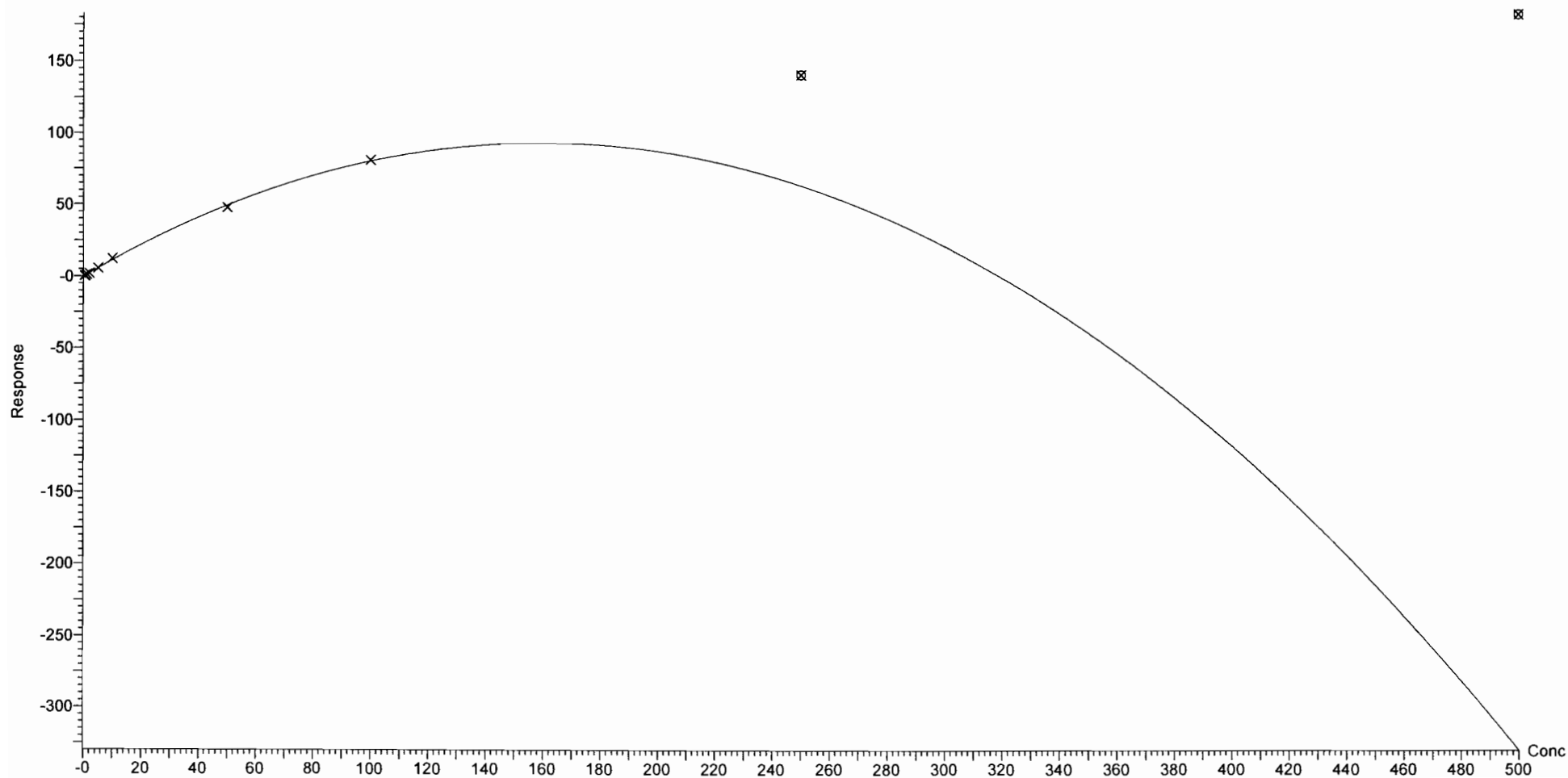
Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.998088$

Calibration curve: $-0.00365524 * x^2 + 1.16824 * x - 0.00106813$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

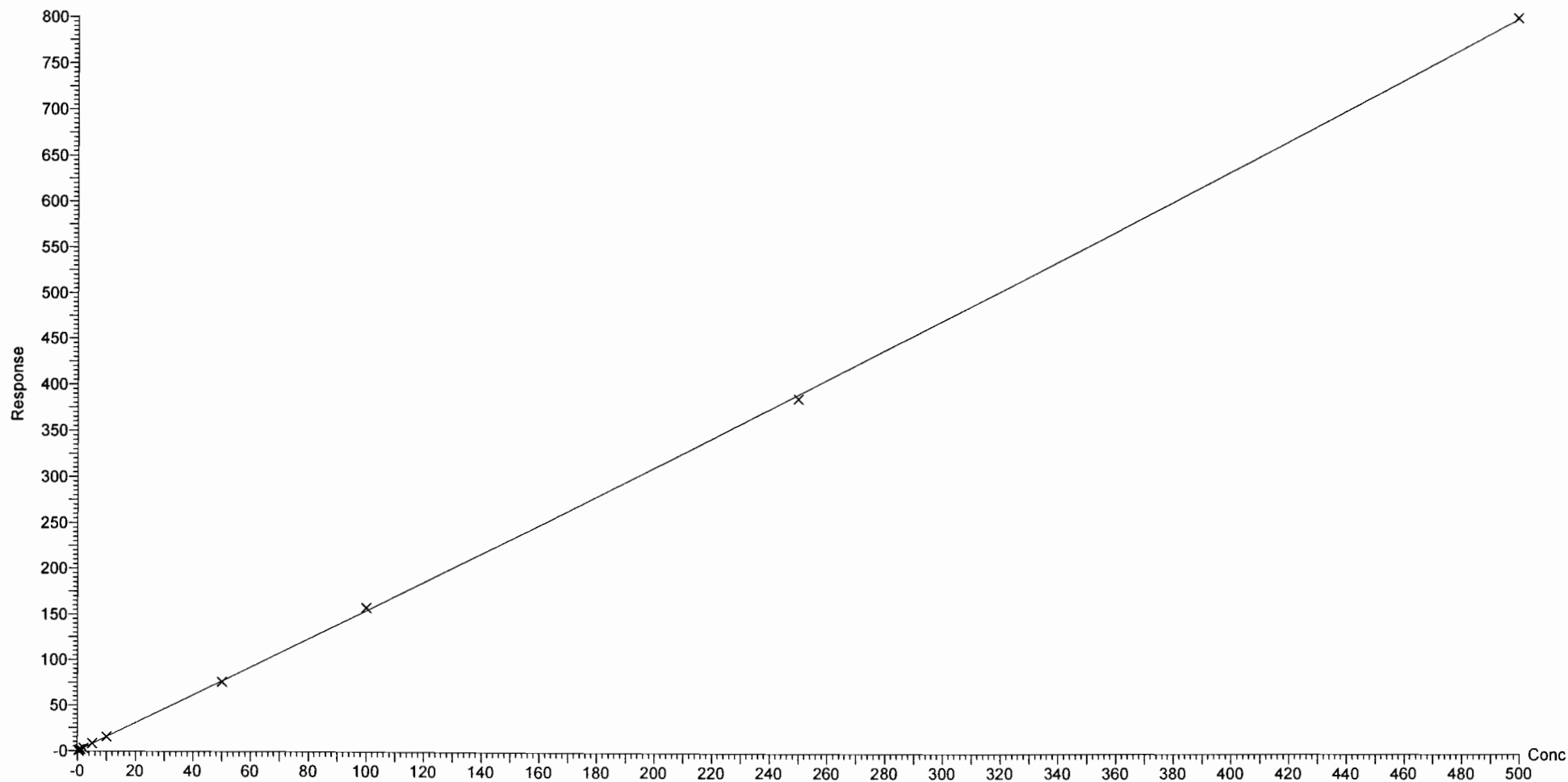
Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999878$

Calibration curve: $0.000139344 * x^2 + 1.52767 * x + 0.0390743$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

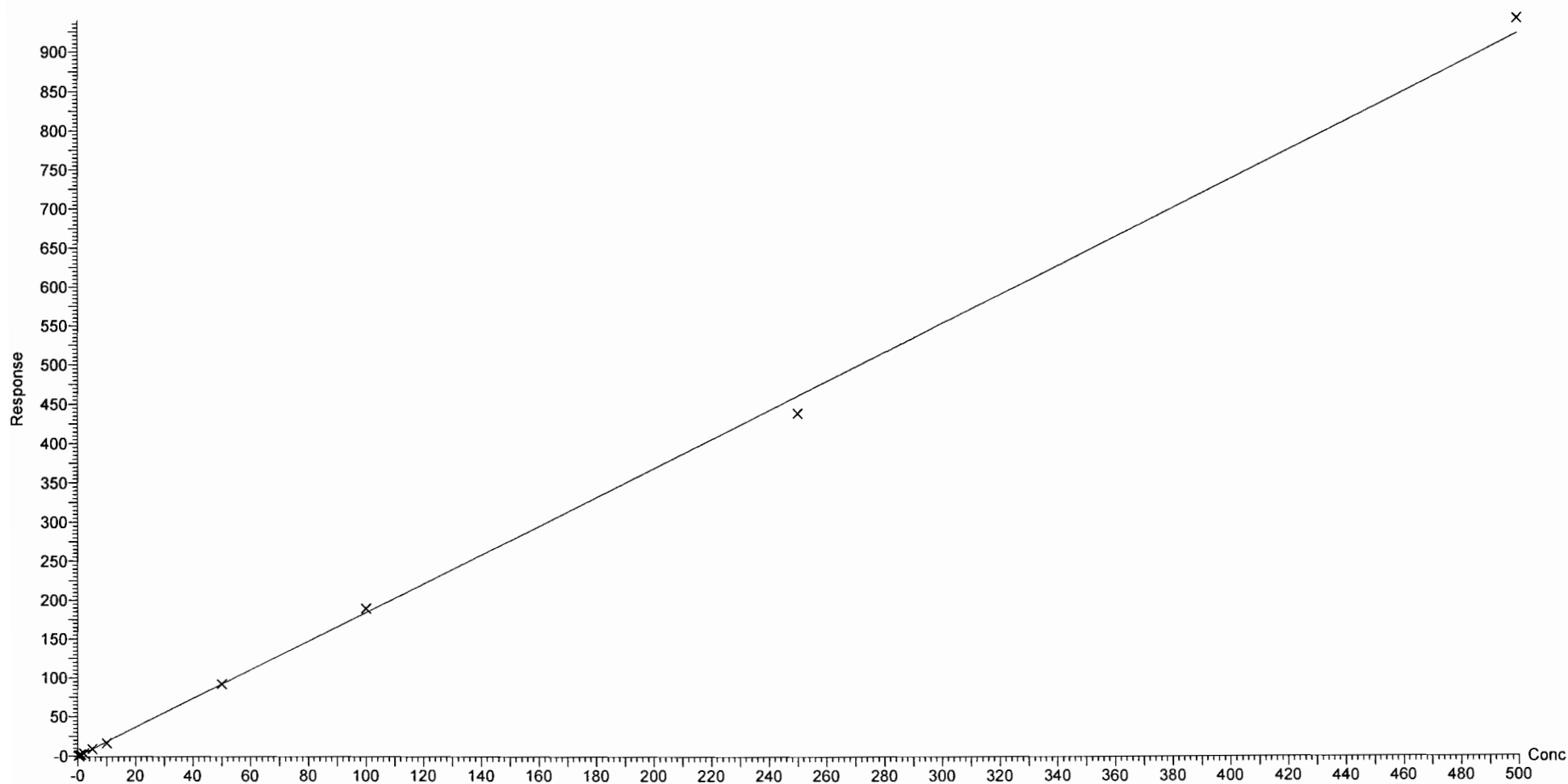
Compound name: PFPeS

Correlation coefficient: $r = 0.999461$, $r^2 = 0.998922$

Calibration curve: $1.84123 * x + -0.0692894$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

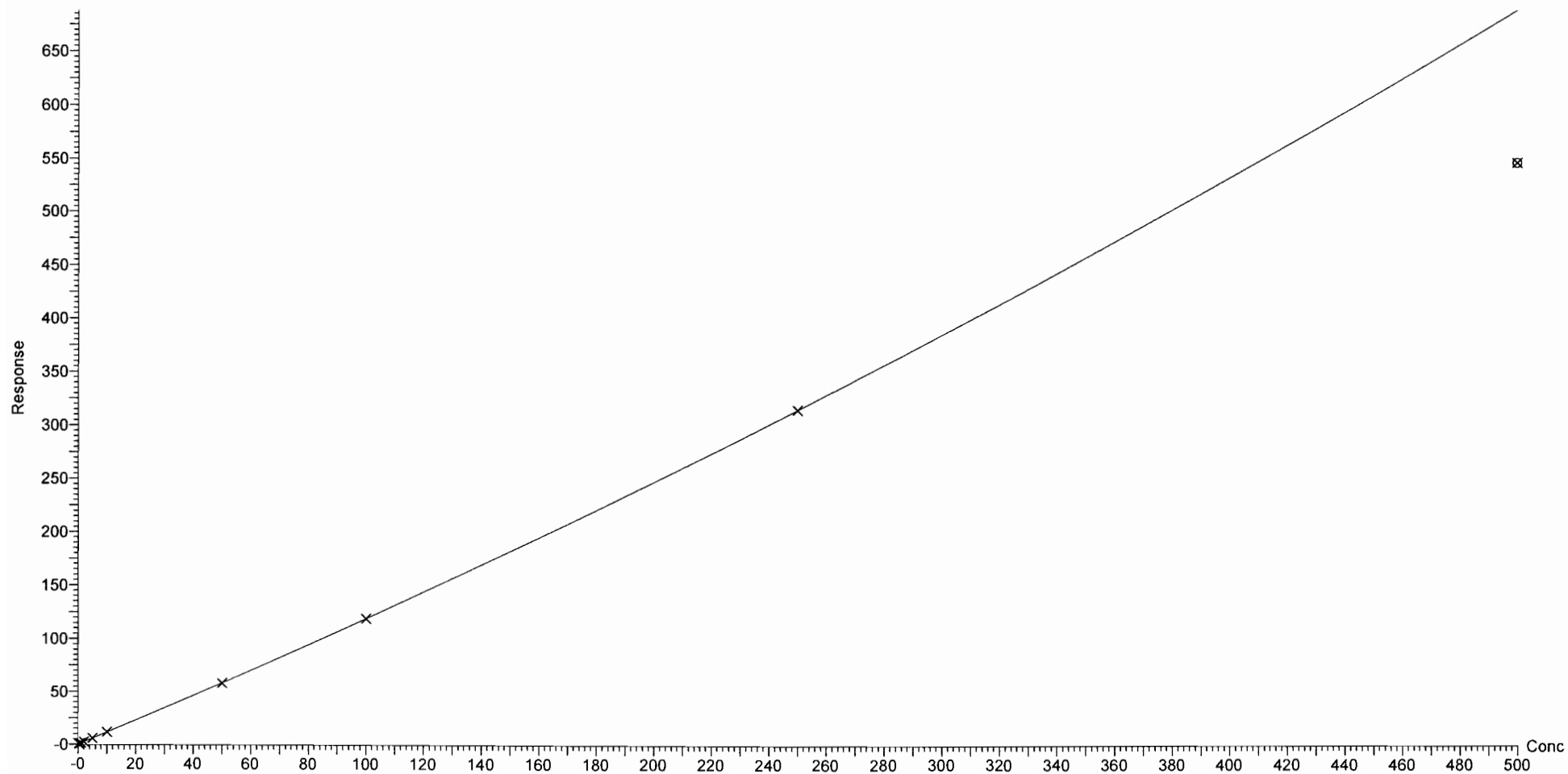
Compound name: PFHpA

Coefficient of Determination: $R^2 = 0.999980$

Calibration curve: $0.000463938 * x^2 + 1.14345 * x + 0.0577121$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

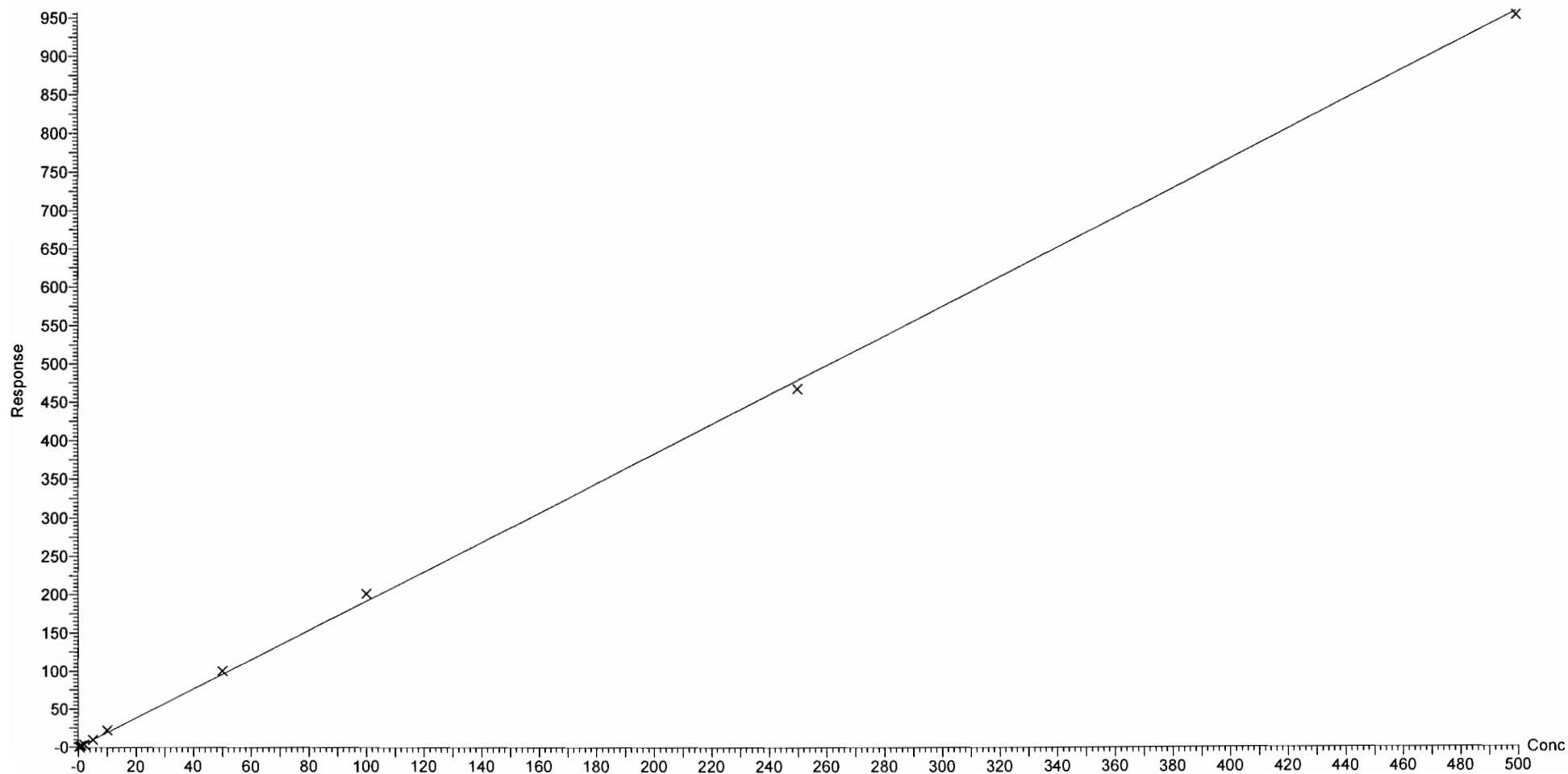
Compound name: L-PFHxS

Correlation coefficient: $r = 0.999509$, $r^2 = 0.999018$

Calibration curve: $1.91268 * x + 0.0612931$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

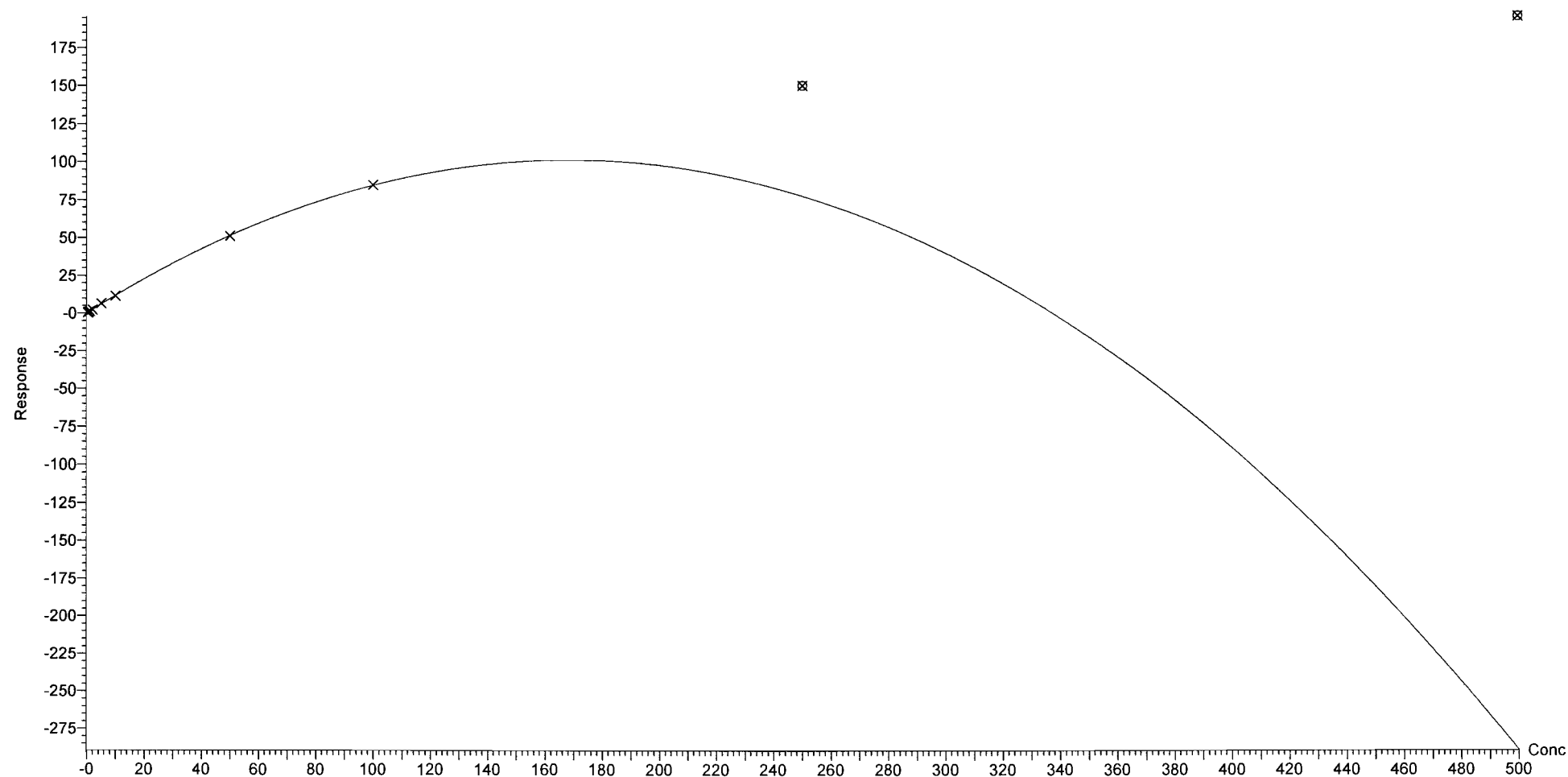
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.999137$

Calibration curve: $-0.0035598 * x^2 + 1.20118 * x + 0.0541796$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

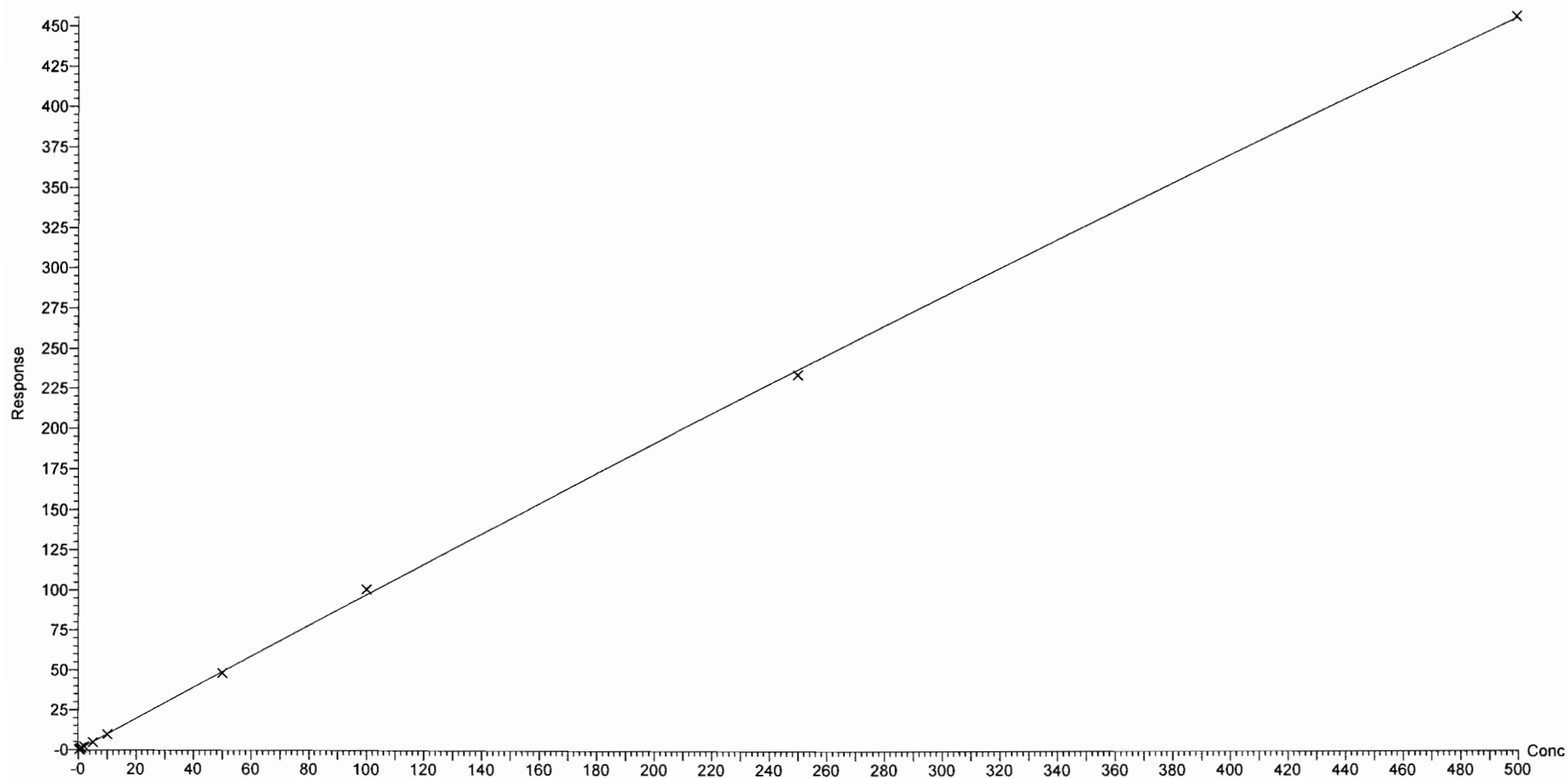
Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999677$

Calibration curve: $-0.000155657 * x^2 + 0.987655 * x + 0.0270012$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

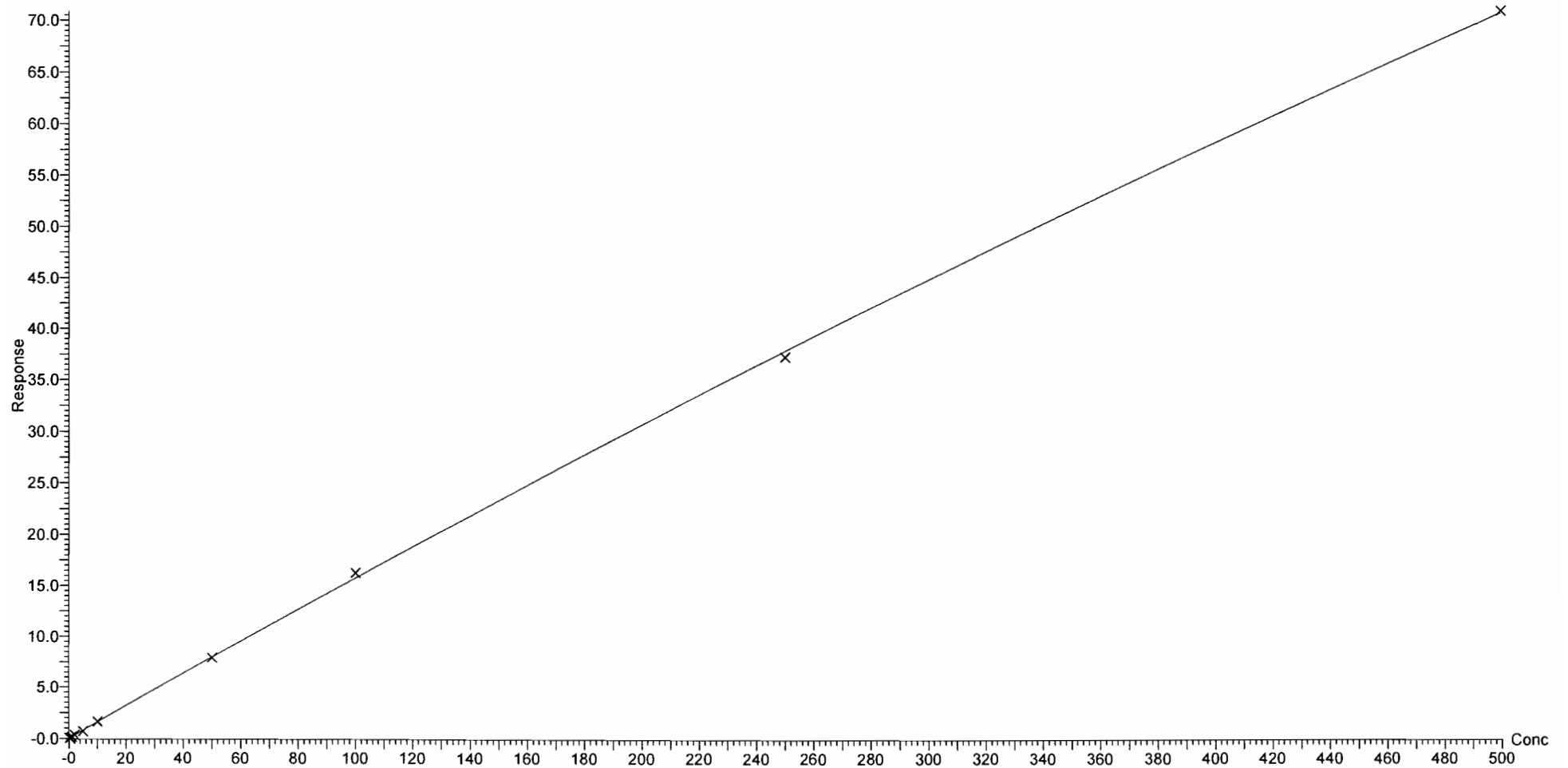
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999582$

Calibration curve: $-4.10026e-005 * x^2 + 0.161763 * x + -0.00185584$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

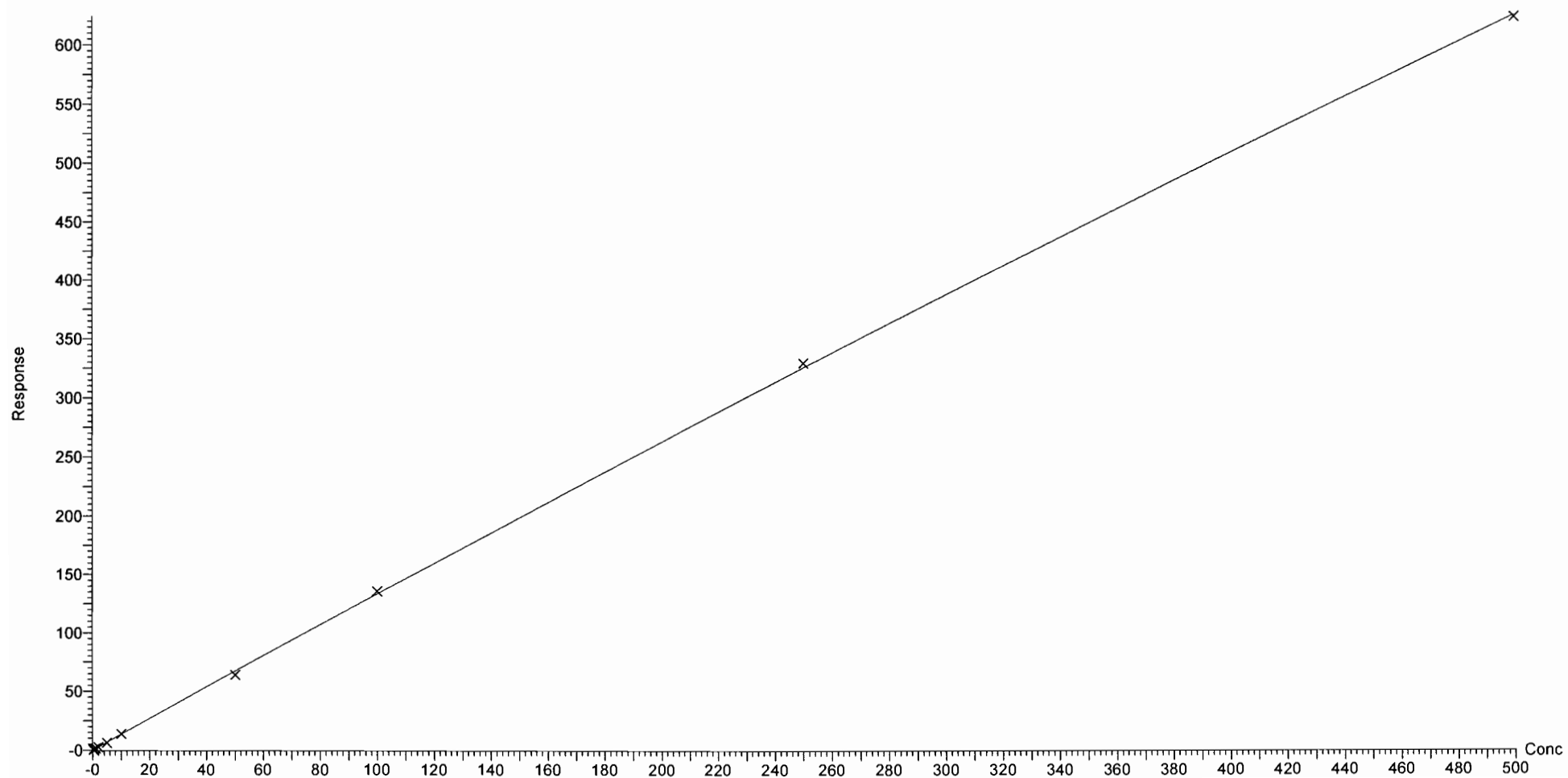
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999693$

Calibration curve: $-0.000217884 * x^2 + 1.35711 * x + -0.0685492$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

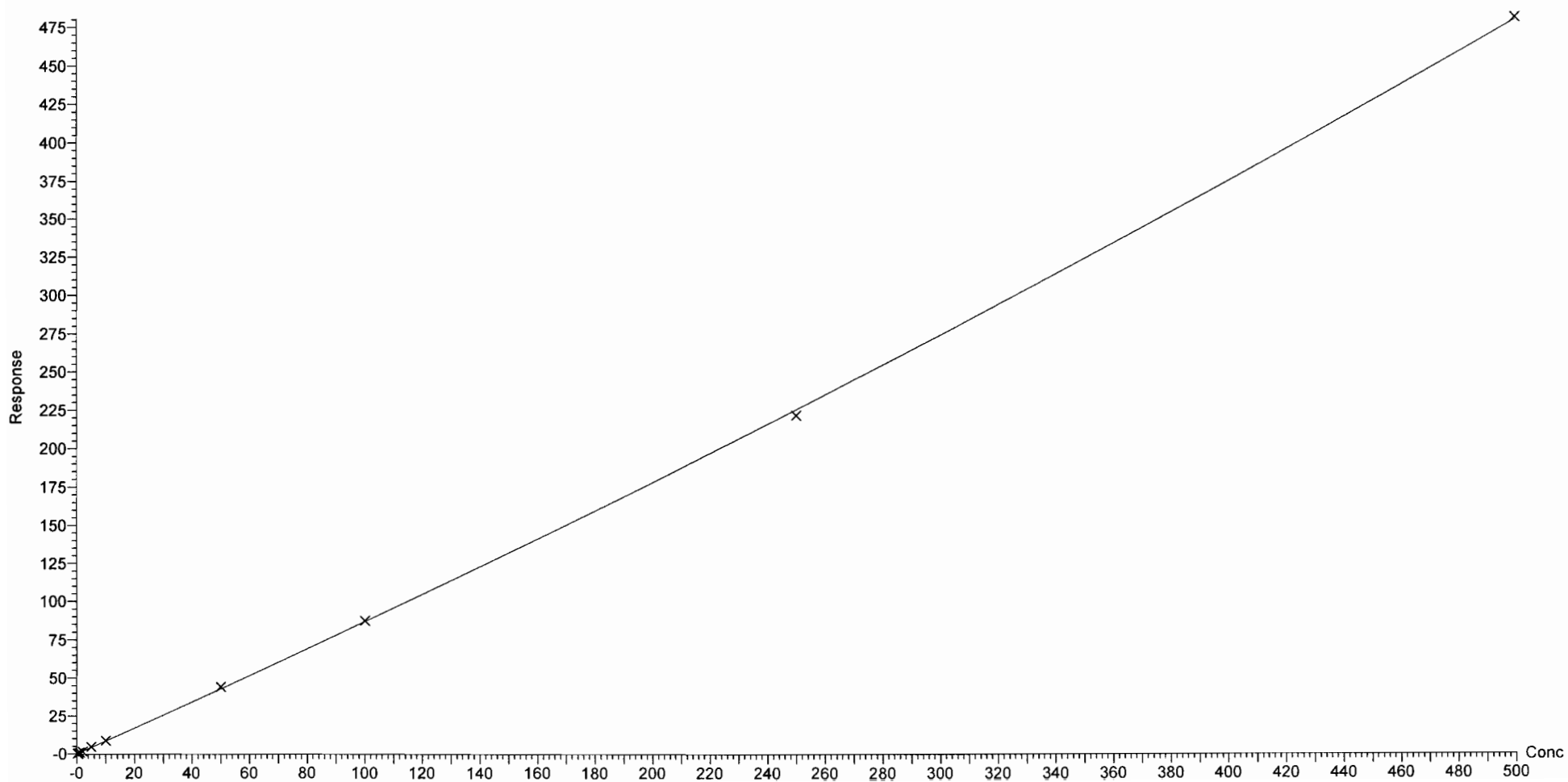
Compound name: PFOSA

Coefficient of Determination: $R^2 = 0.999799$

Calibration curve: $0.000223926 * x^2 + 0.845984 * x + -0.00644957$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

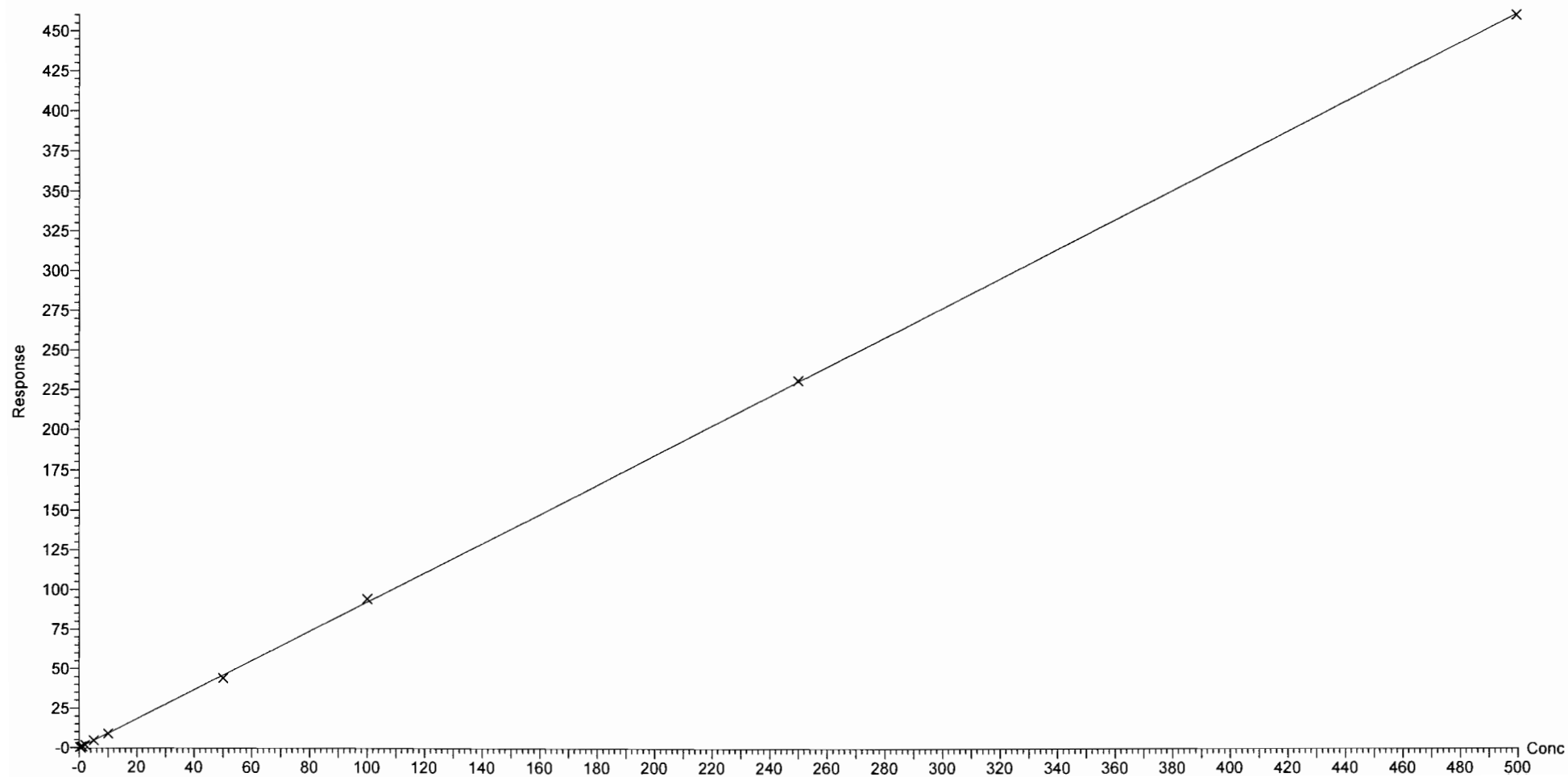
Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.999820$

Calibration curve: $-4.1577e-006 * x^2 + 0.922959 * x + -0.0602006$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

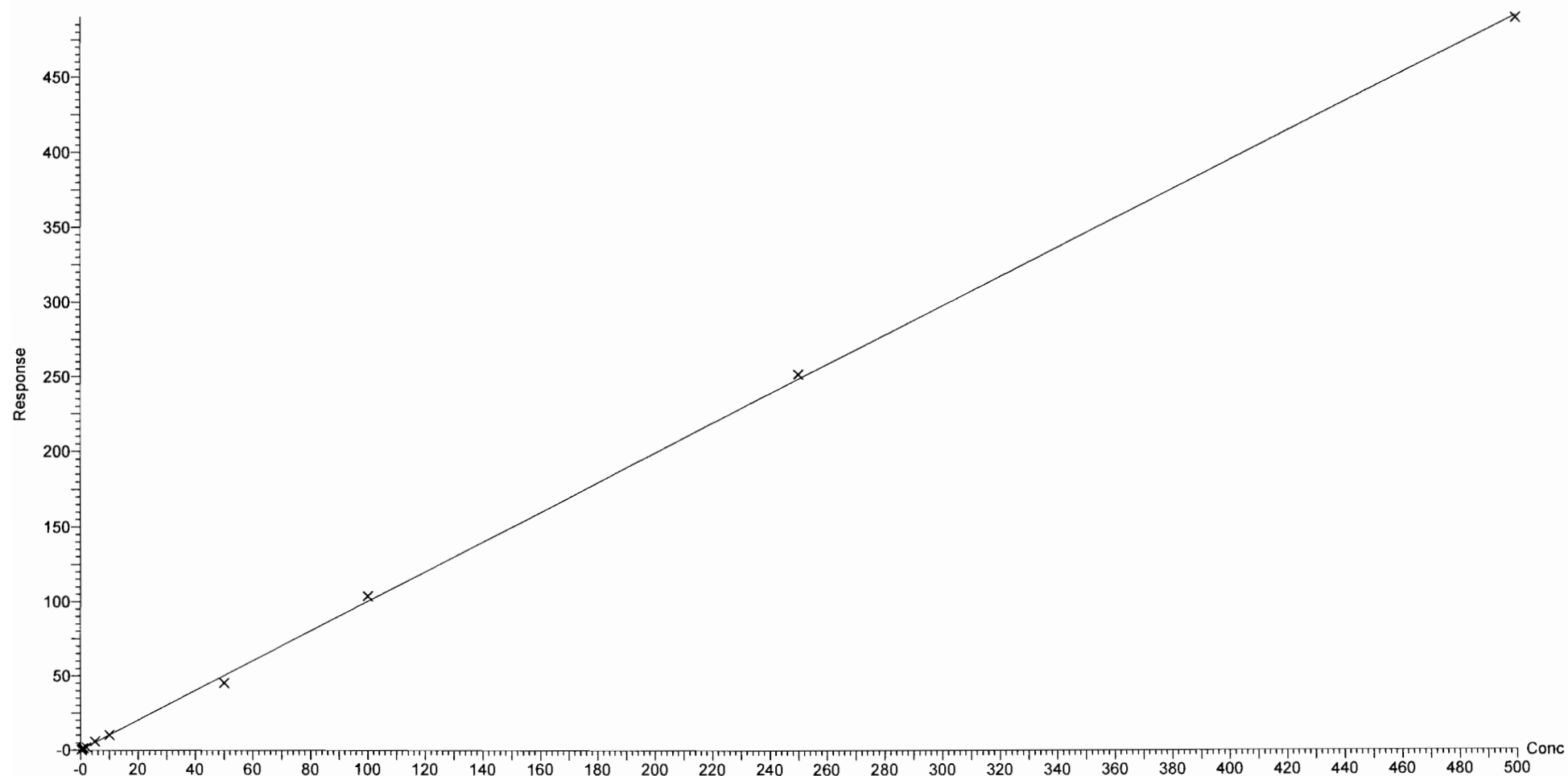
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999020$

Calibration curve: $-5.14851e-005 * x^2 + 1.0054 * x + 0.115839$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

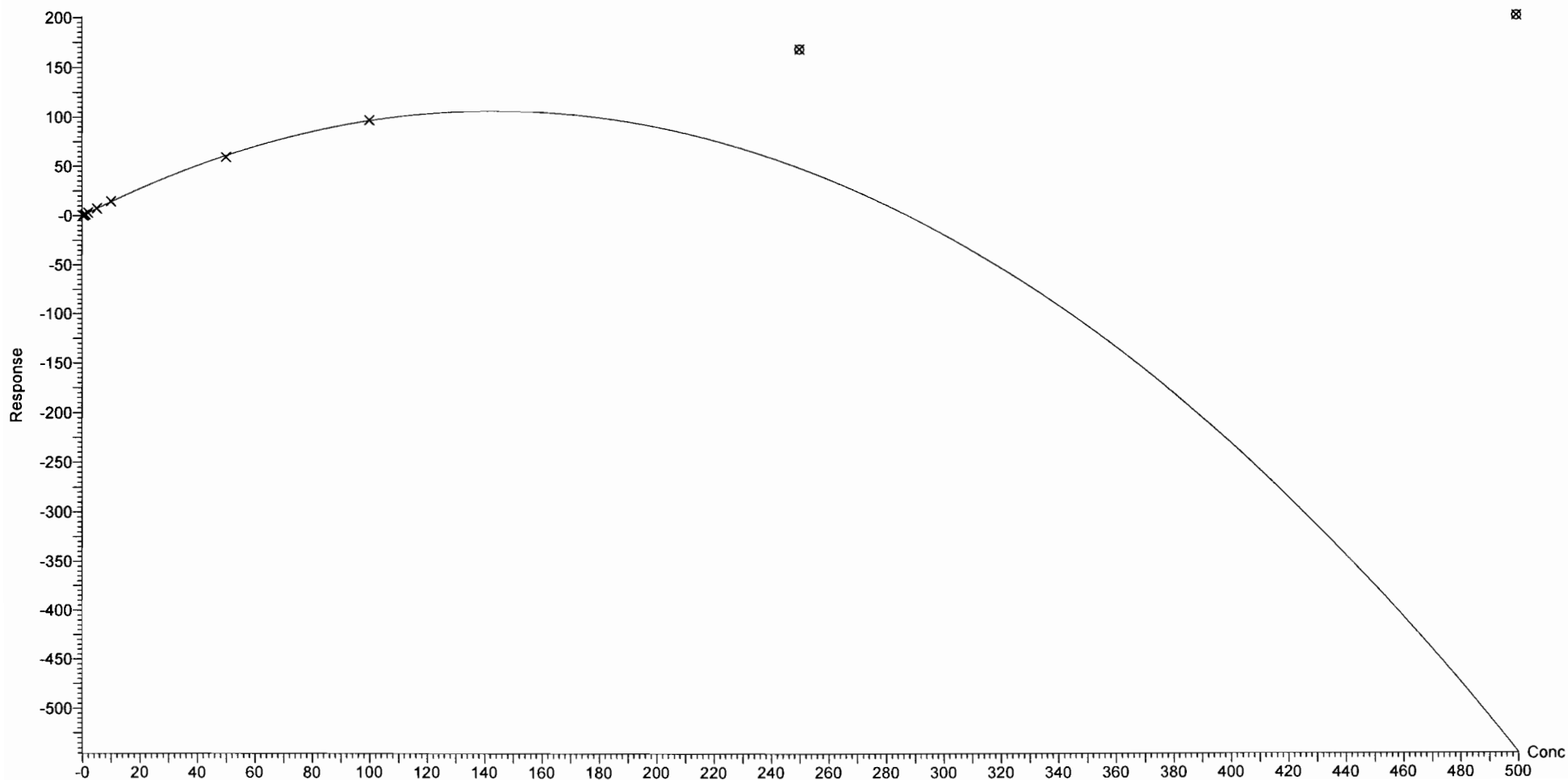
Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.999540$

Calibration curve: $-0.00513967 * x^2 + 1.47988 * x + -0.0800285$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

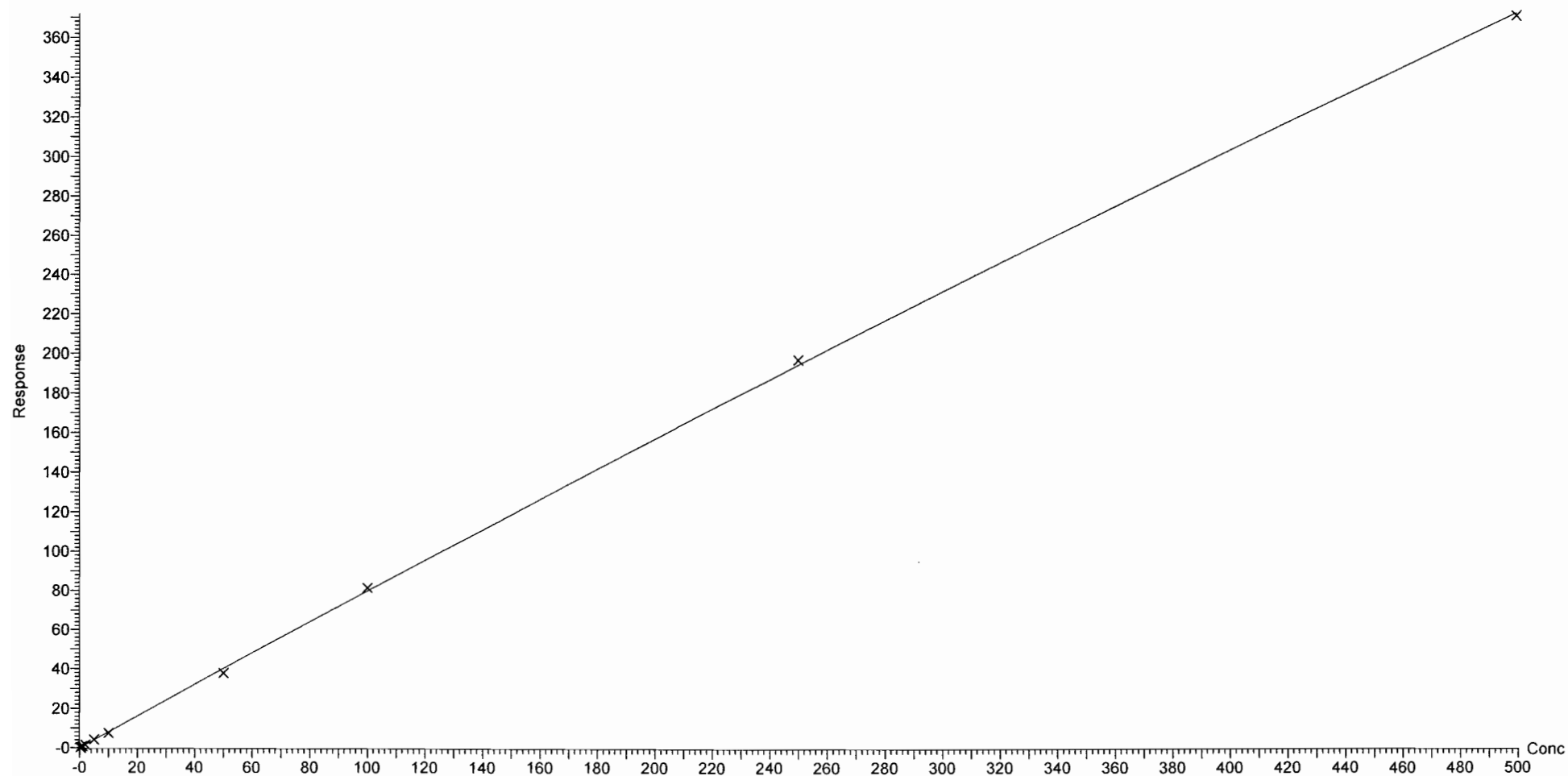
Compound name: PFNS

Coefficient of Determination: $R^2 = 0.999614$

Calibration curve: $-0.000139909 * x^2 + 0.813563 * x + -0.0732691$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

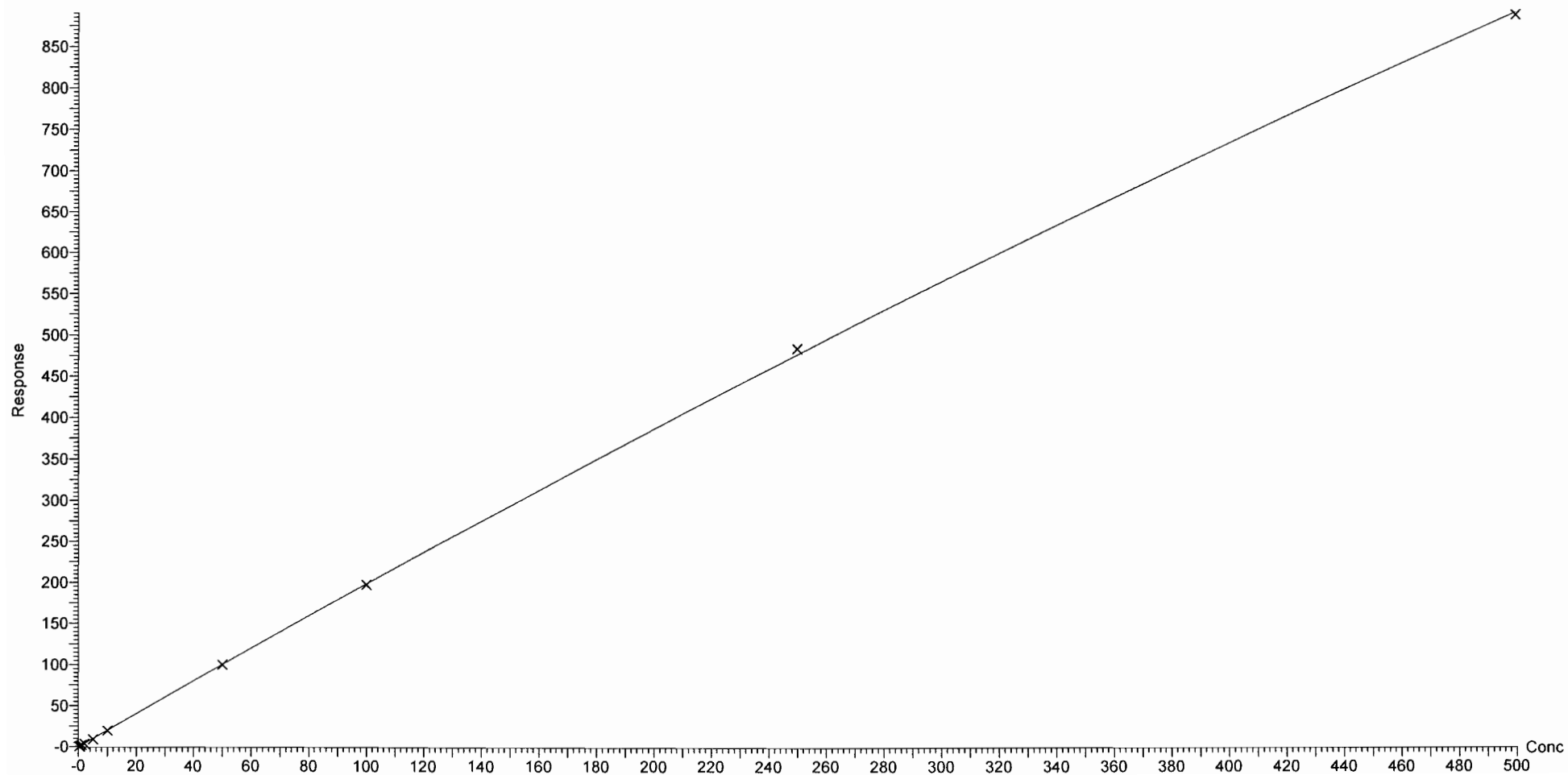
Compound name: L-MeFOSAA

Coefficient of Determination: $R^2 = 0.999746$

Calibration curve: $-0.000512206 * x^2 + 2.03689 * x + -0.180528$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:02 Pacific Daylight Time

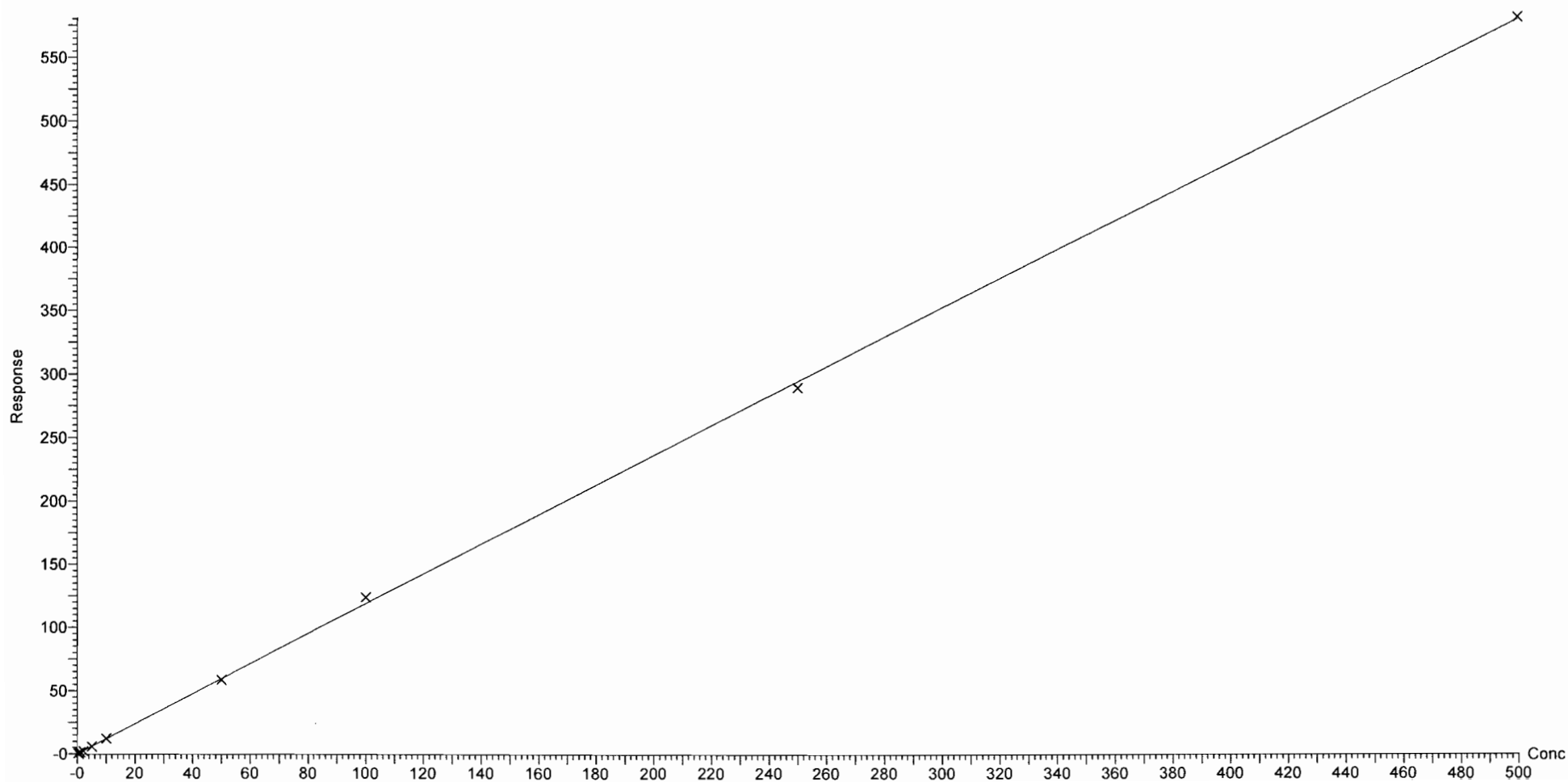
Compound name: L-EtFOSAA

Coefficient of Determination: $R^2 = 0.999632$

Calibration curve: $-8.02336e-005 * x^2 + 1.19845 * x + -0.0686469$

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

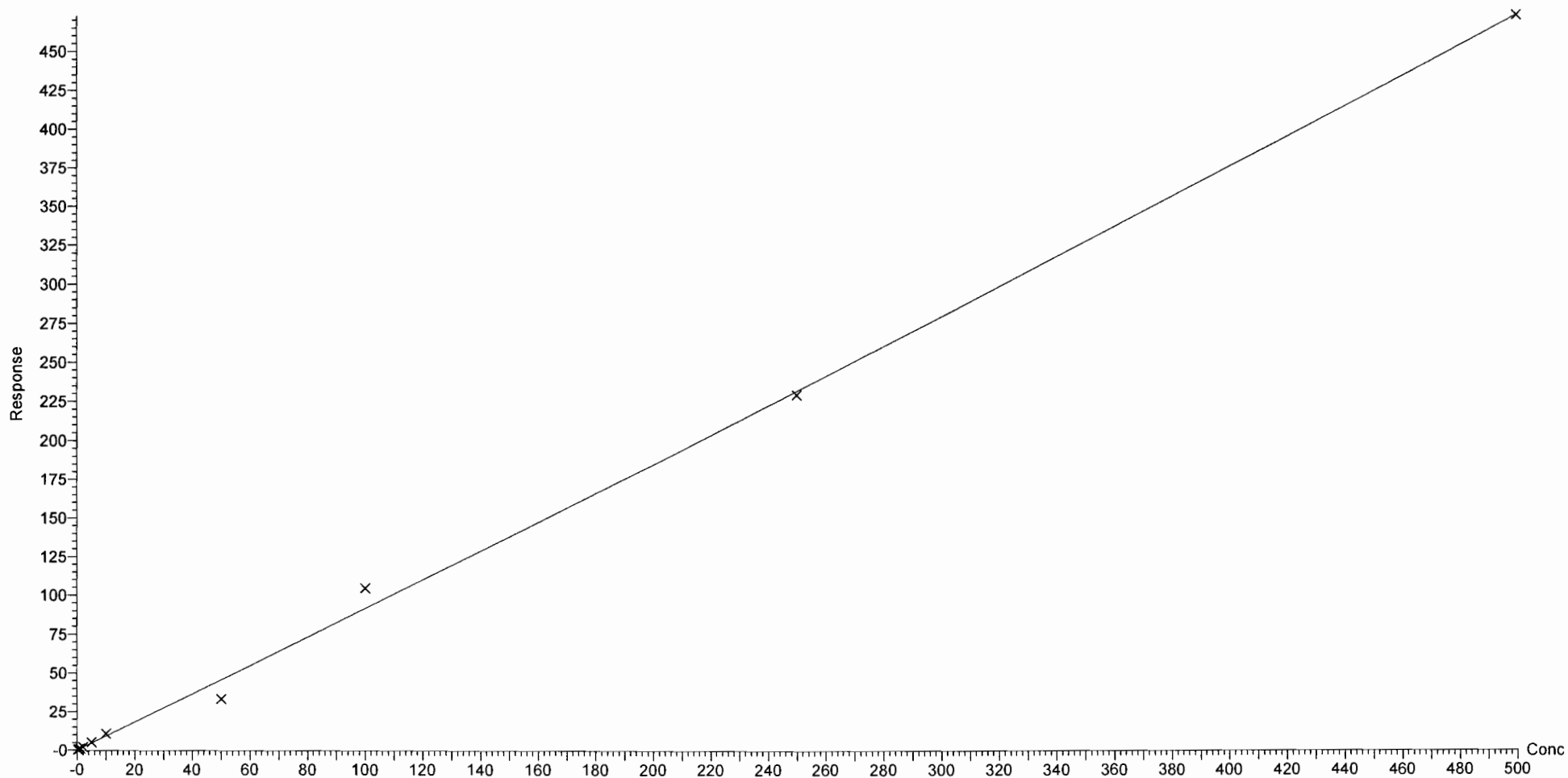
Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.993431$

Calibration curve: $7.49062e-005 * x^2 + 0.907352 * x + 0.092432$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

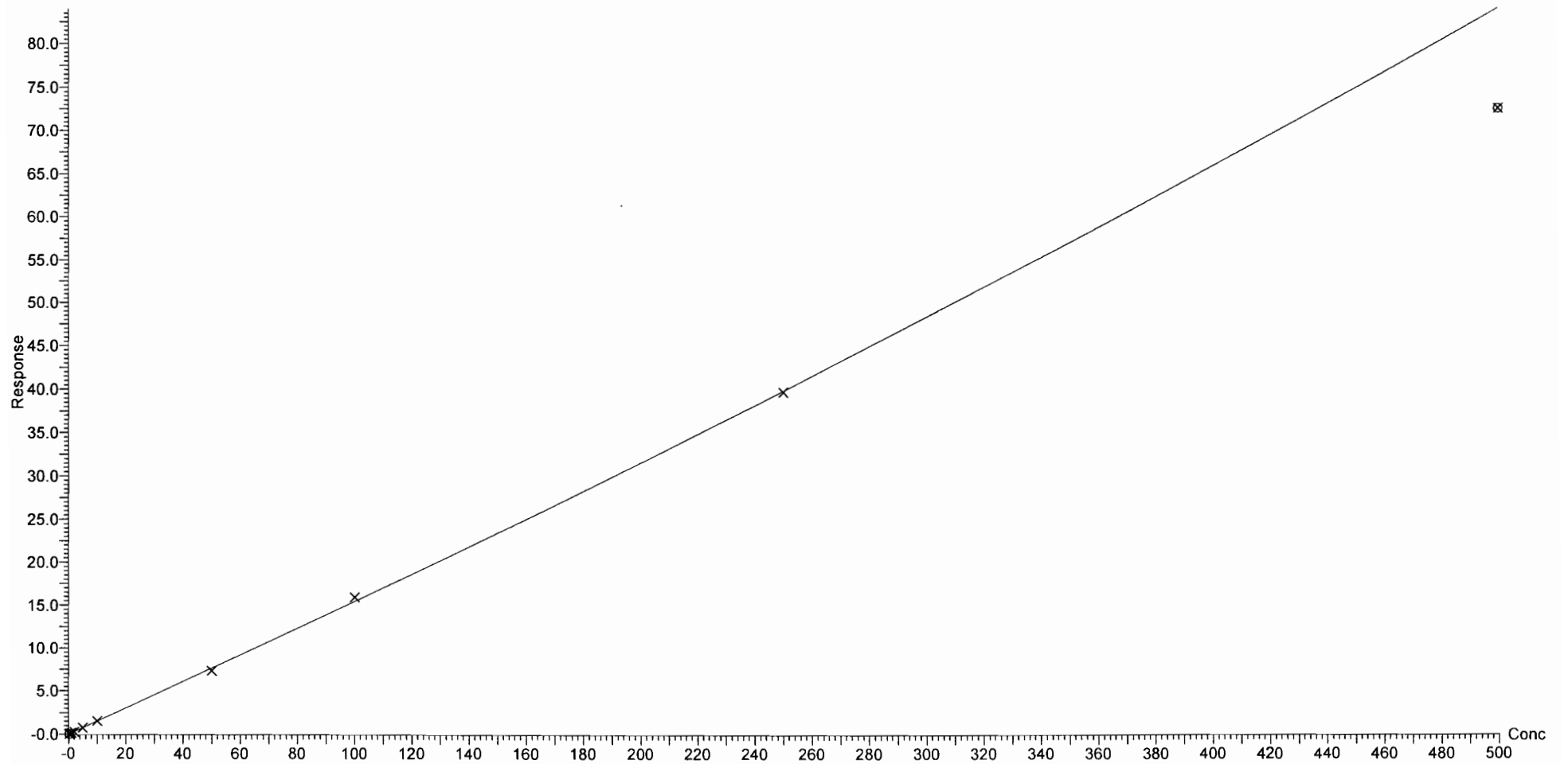
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.999337$

Calibration curve: $3.37363e-005 * x^2 + 0.151074 * x + 0.00103366$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

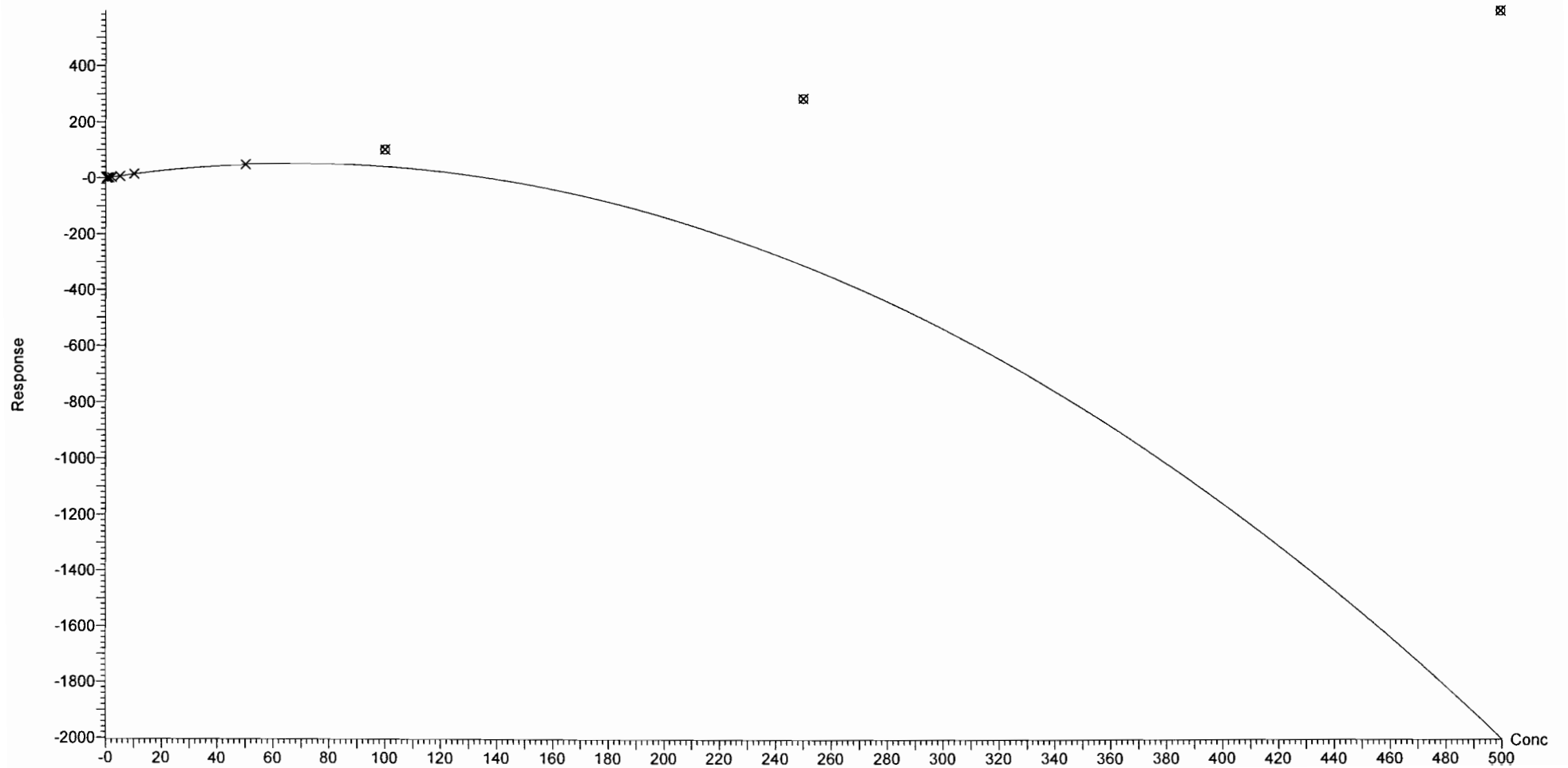
Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.997043$

Calibration curve: $-0.0110656 * x^2 + 1.52836 * x + -0.124406$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

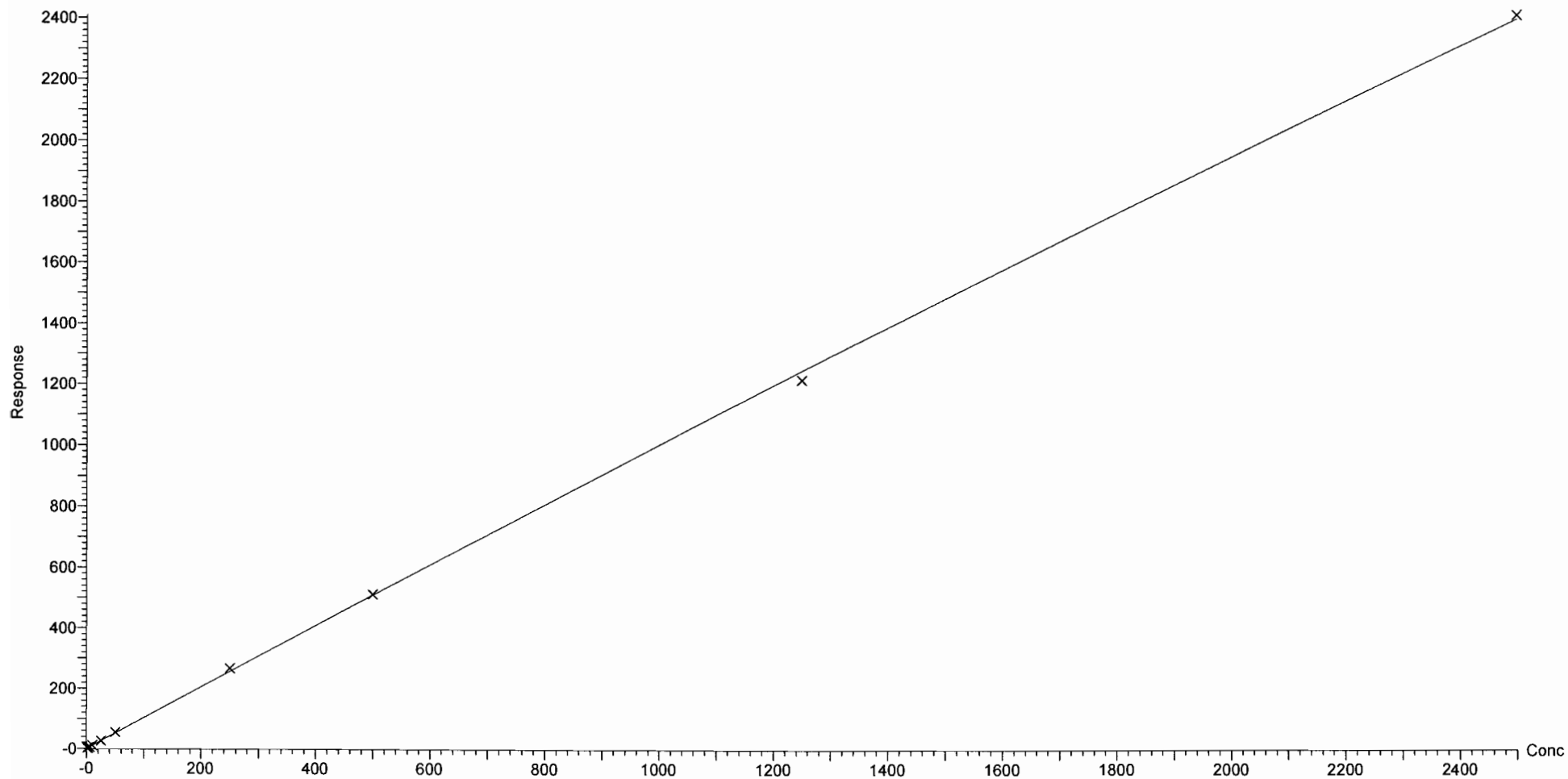


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

Compound name: N-MeFOSA
Coefficient of Determination: $R^2 = 0.999650$
Calibration curve: $-2.95889e-005 * x^2 + 1.0319 * x + 0.180174$
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

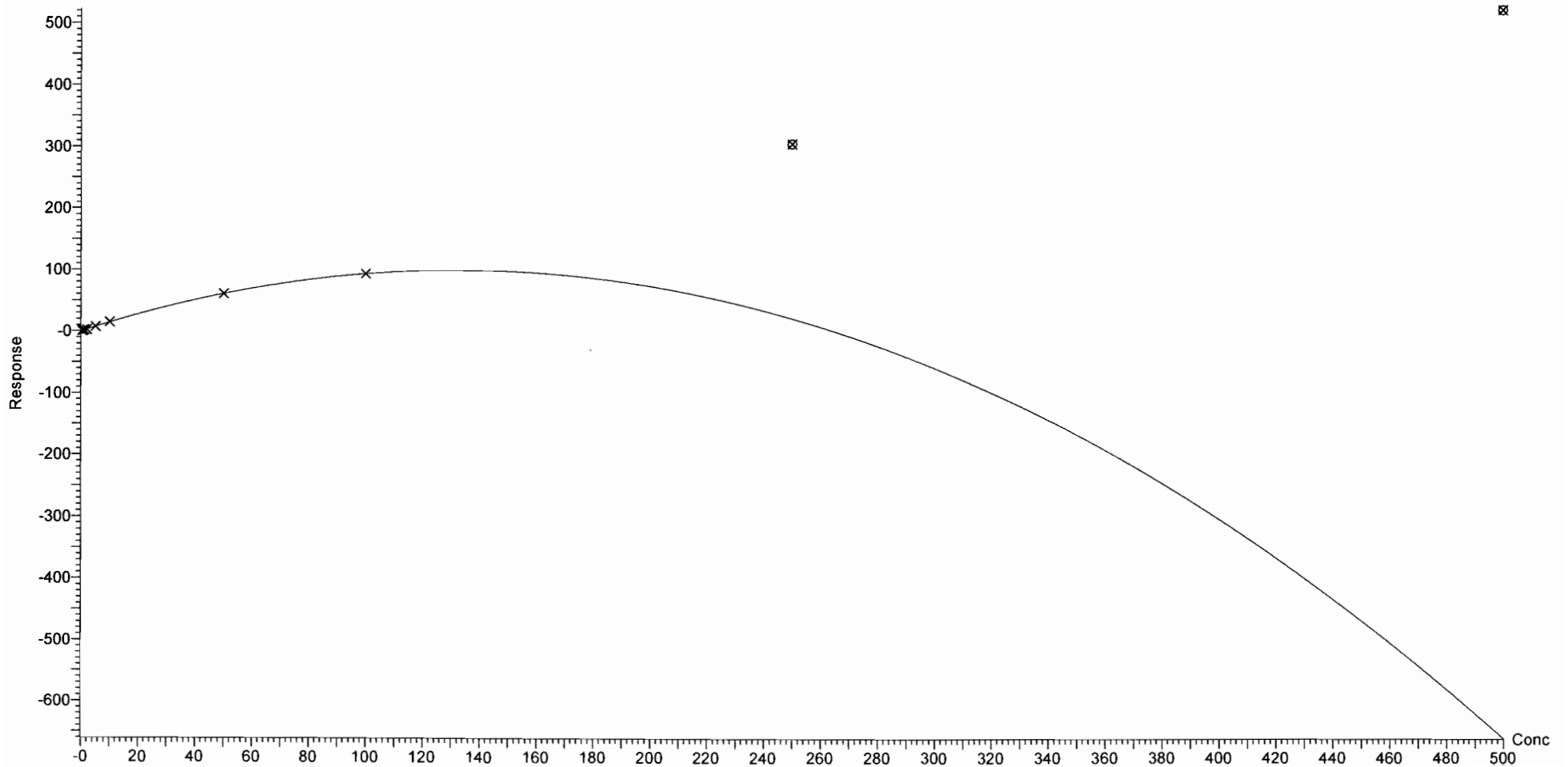
Compound name: PFTTrDA

Coefficient of Determination: $R^2 = 0.999367$

Calibration curve: $-0.00564413 * x^2 + 1.50166 * x + -0.0916805$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

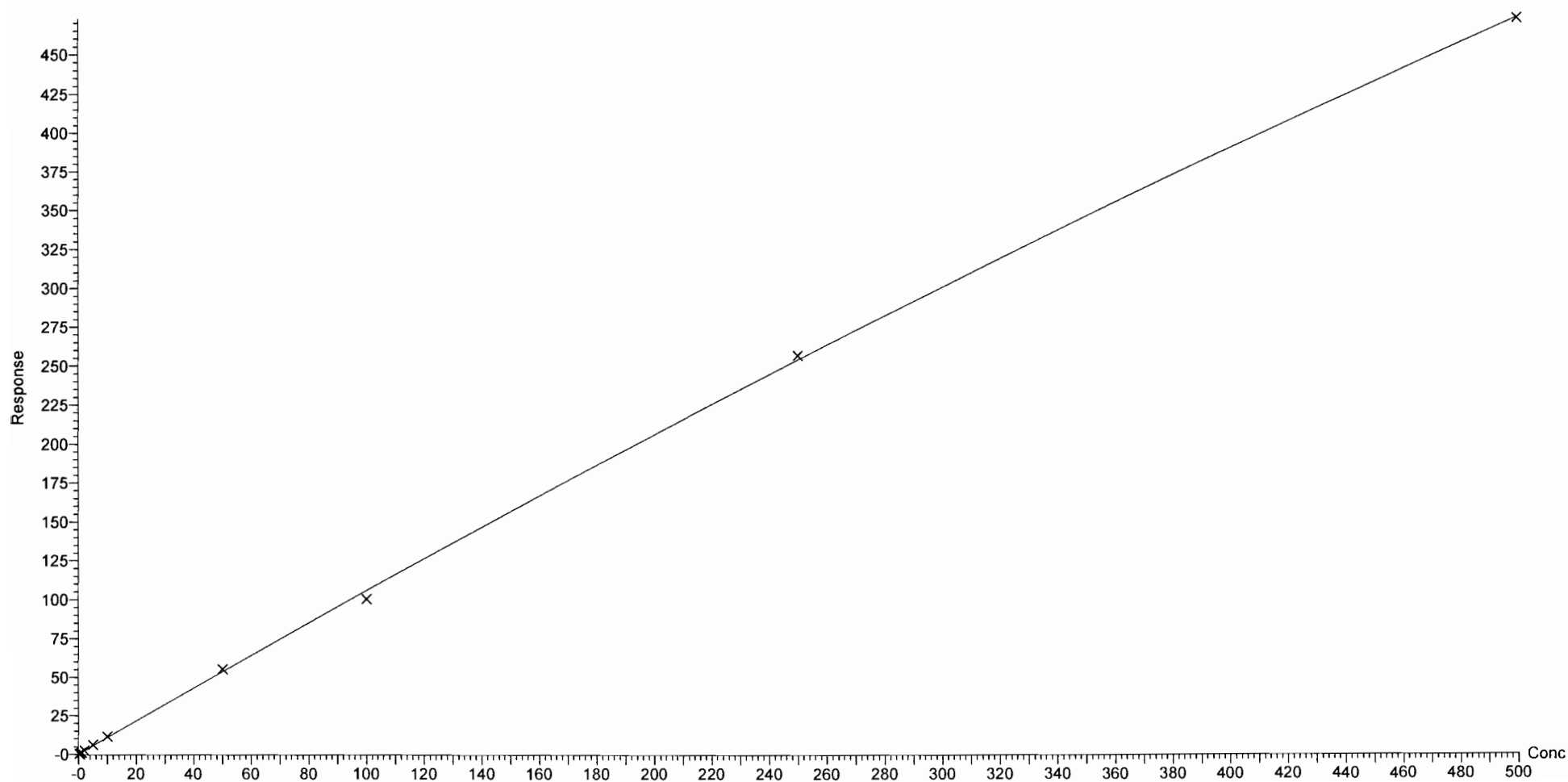
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999342$

Calibration curve: $-0.000283258 * x^2 + 1.08661 * x + 0.131629$

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

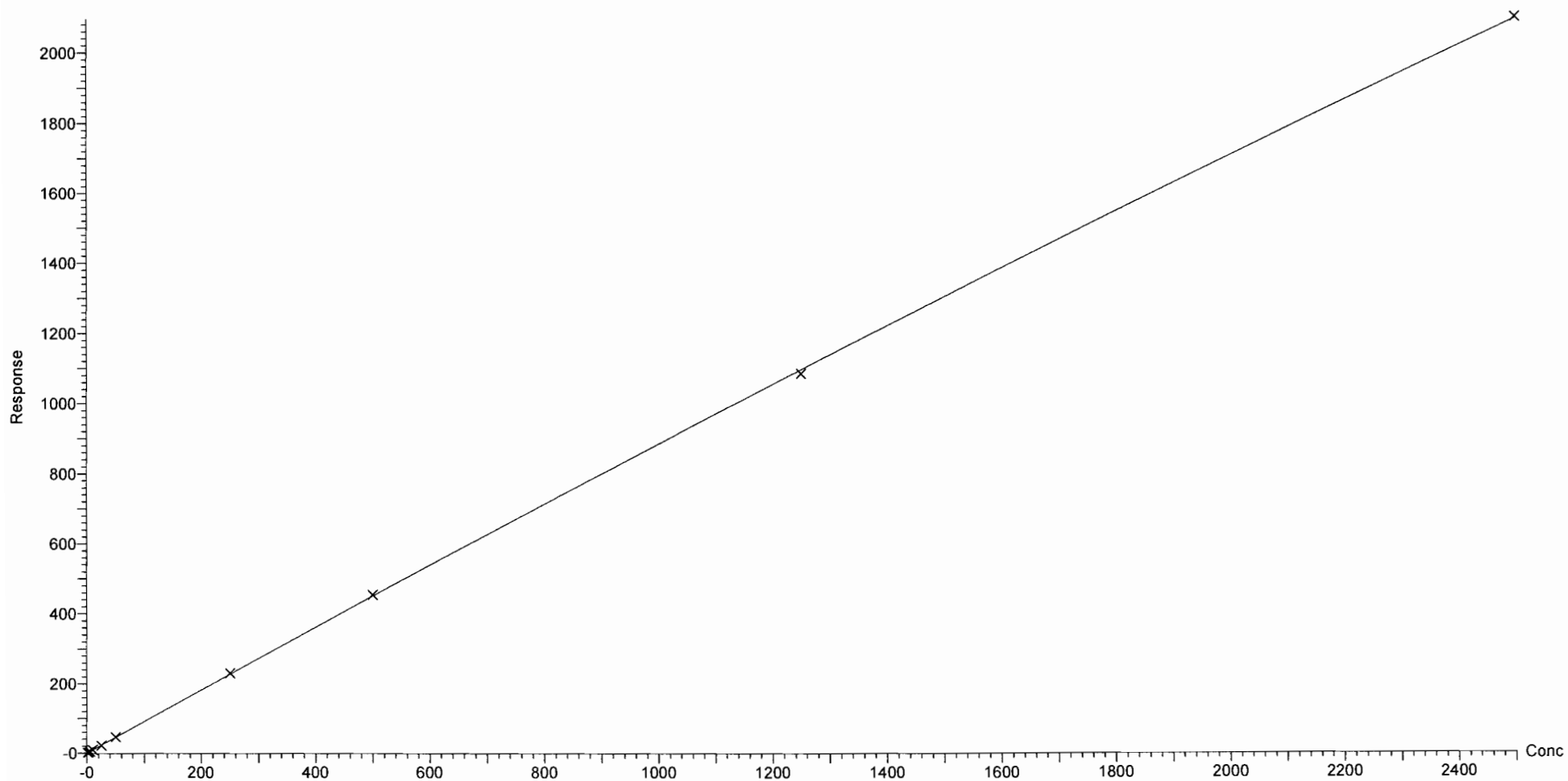
Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999923$

Calibration curve: $-3.23078e-005 * x^2 + 0.917289 * x + -0.023268$

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

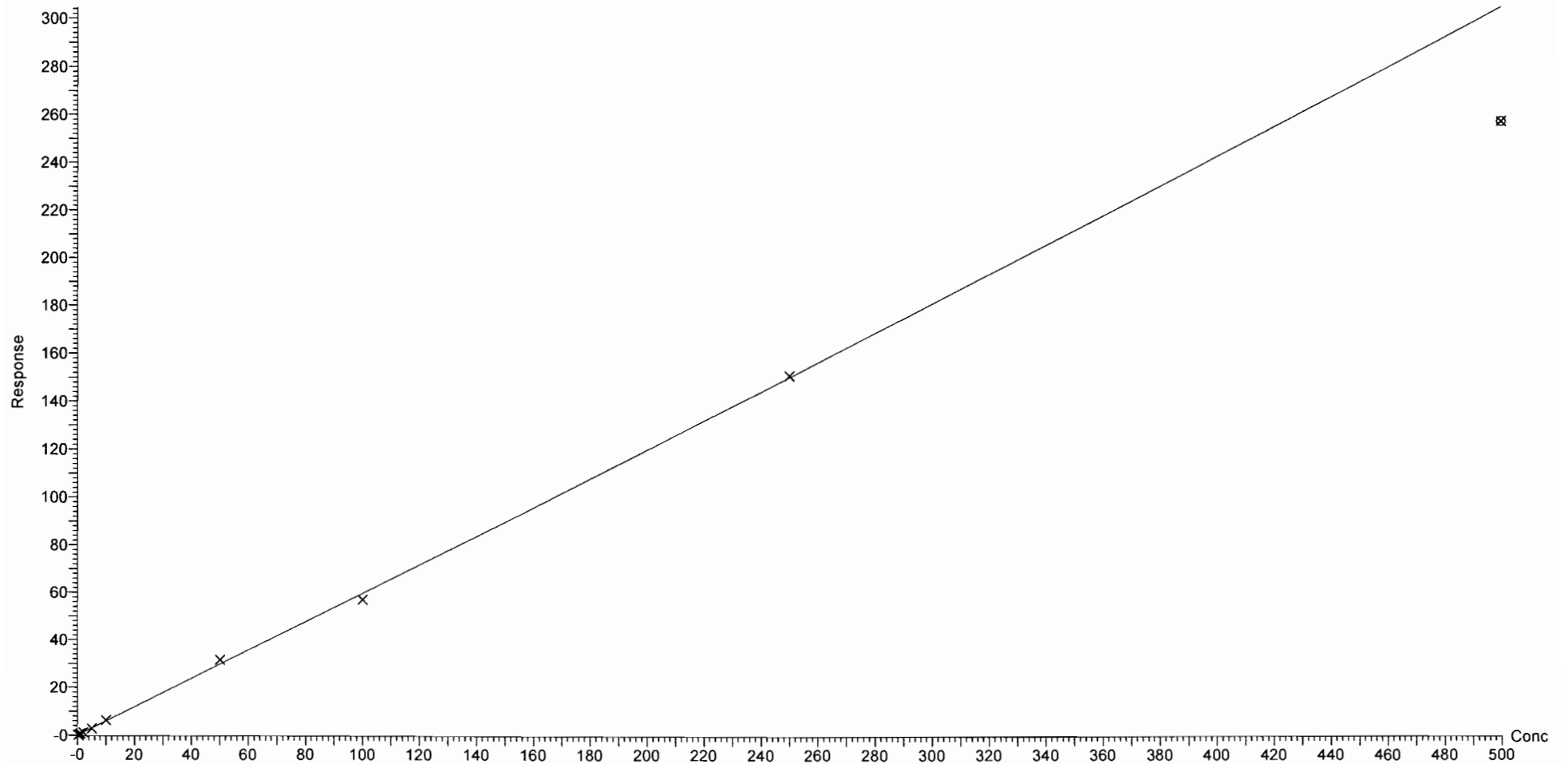
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.998869$

Calibration curve: $3.05812e-005 * x^2 + 0.593492 * x + 0.0405458$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

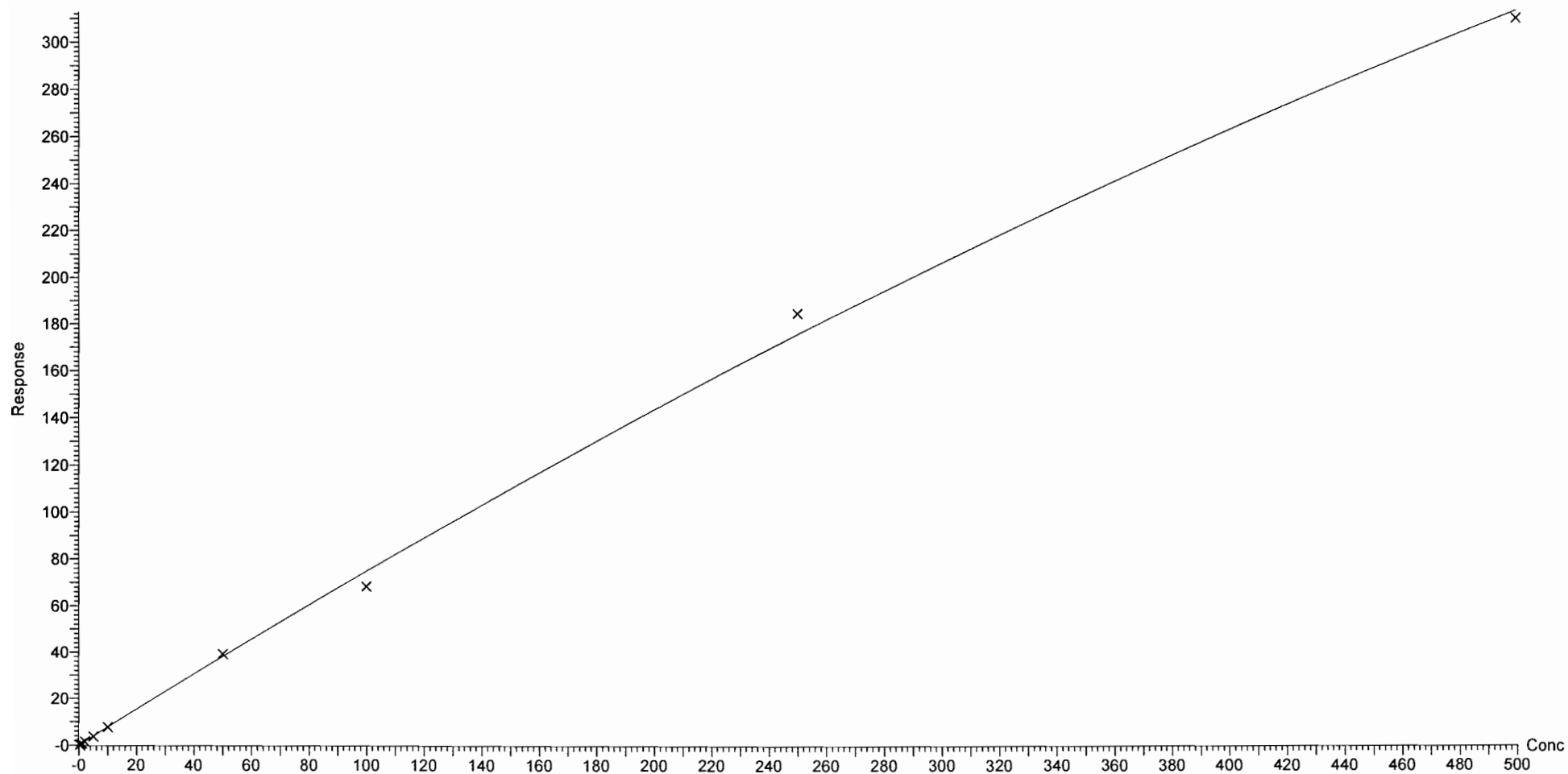
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.998051$

Calibration curve: $-0.000306754 * x^2 + 0.779034 * x + 0.0170433$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

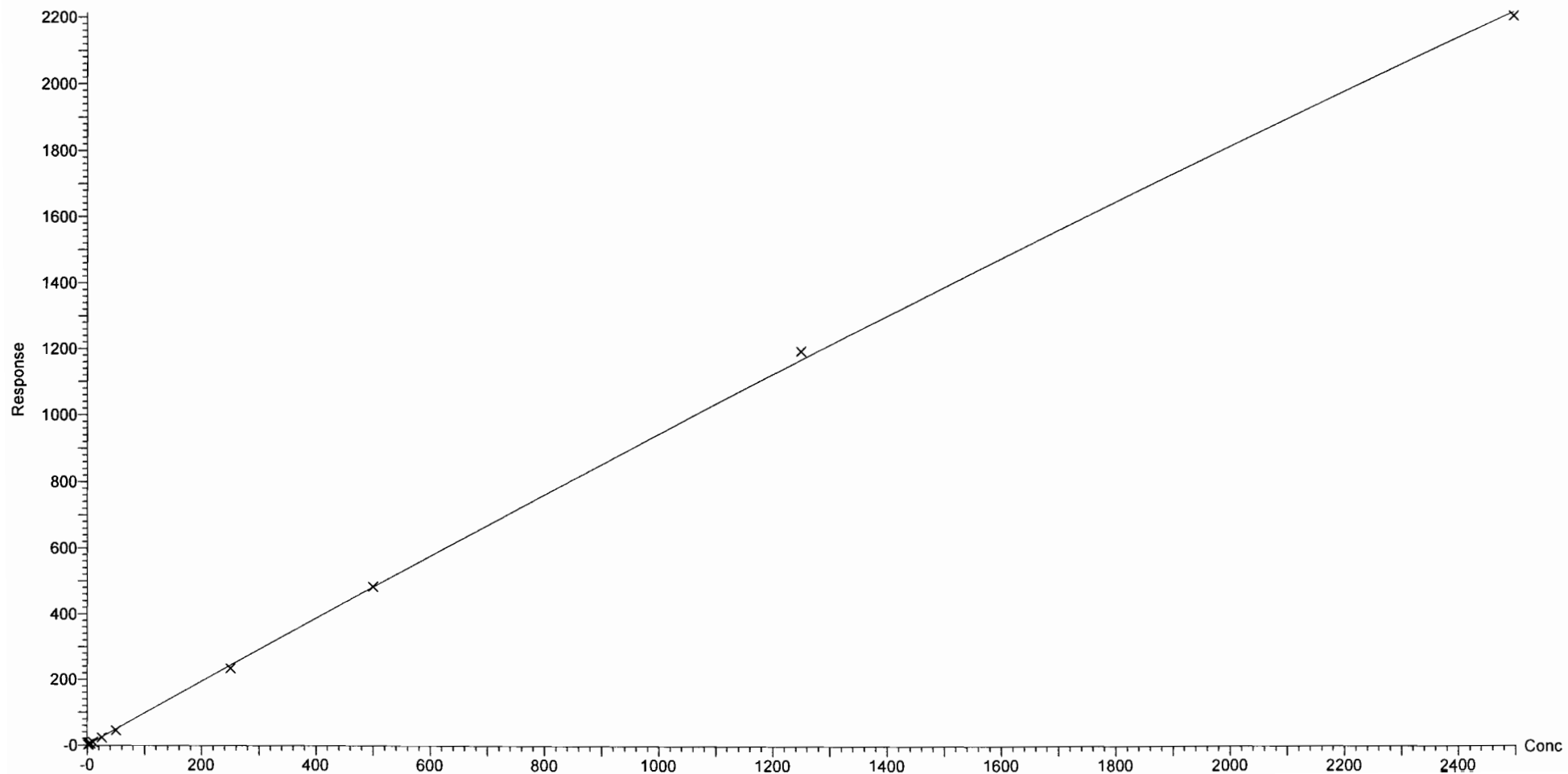
Compound name: N-MeFOSE

Coefficient of Determination: $R^2 = 0.999572$

Calibration curve: $-3.91662e-005 * x^2 + 0.983423 * x + -0.00480812$

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:00:28 Pacific Daylight Time

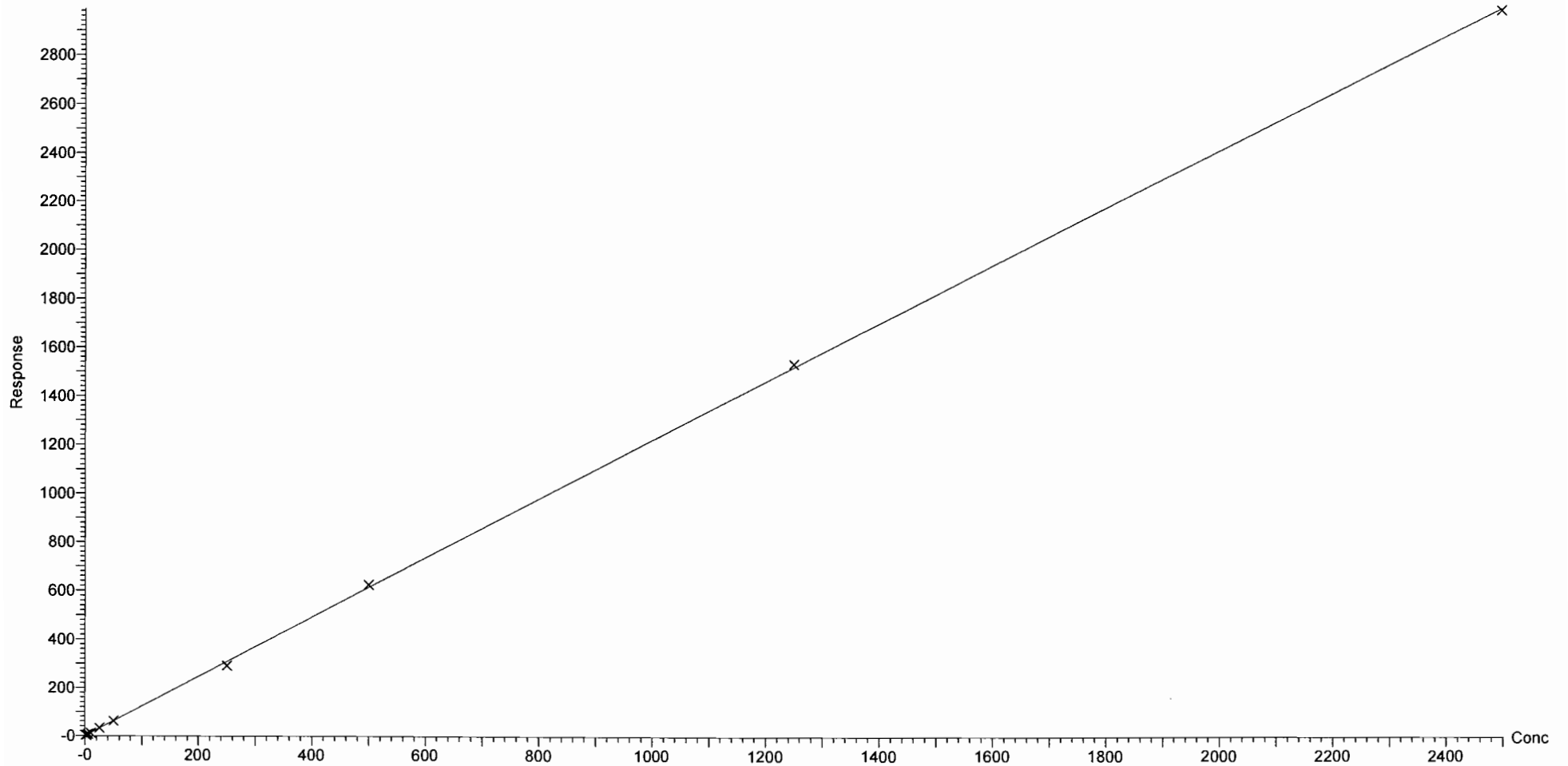
Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999756$

Calibration curve: $-1.63295e-005 * x^2 + 1.23645 * x + -0.173527$

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

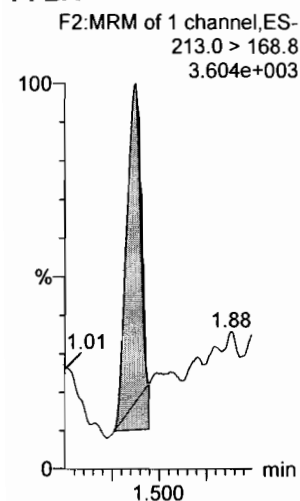
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

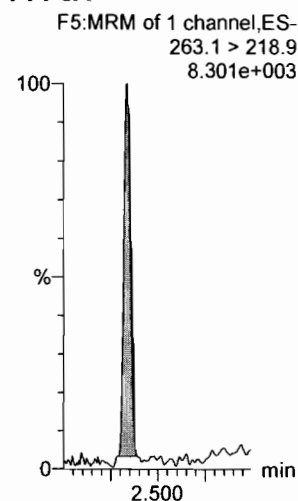
Calibration: 04 Jun 2018 08:44:22

Name: 180603M2_2, Date: 03-Jun-2018, Time: 18:07:52, ID: ST180603M2-2 PFC CS-2 18E2902, Description: PFC CS-2 18E2902

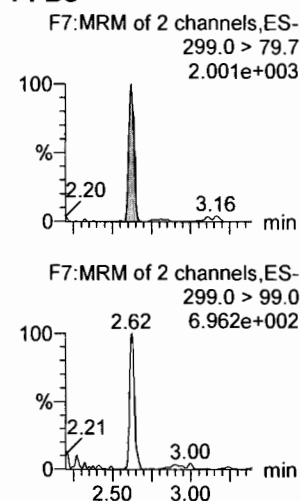
PFBA



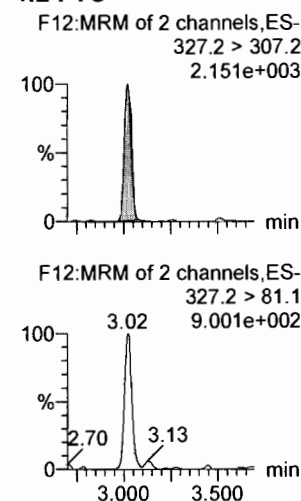
PFPeA



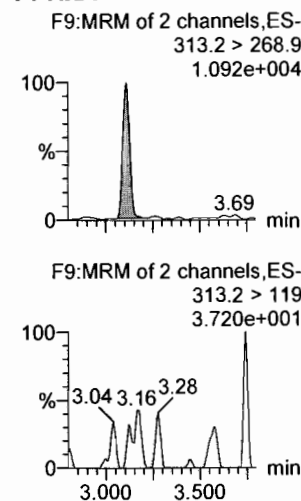
PFBS



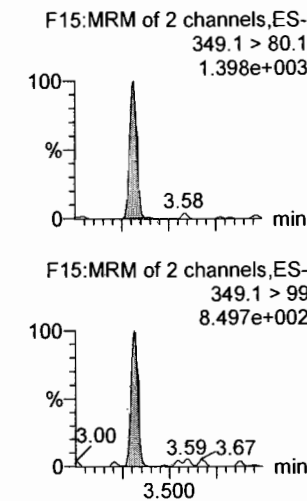
4:2 FTS



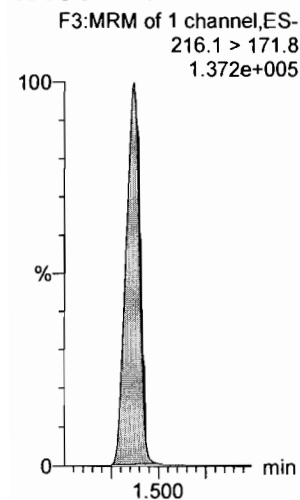
PFHxA



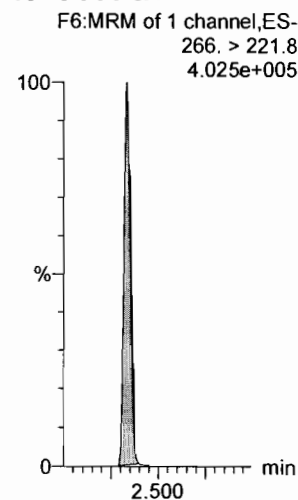
PFPeS



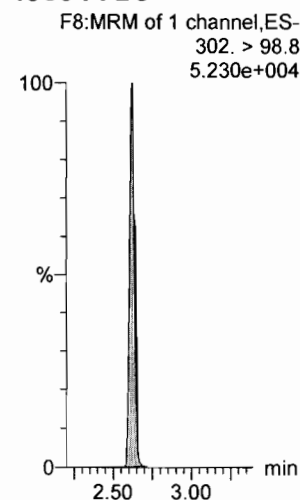
13C3-PFBA



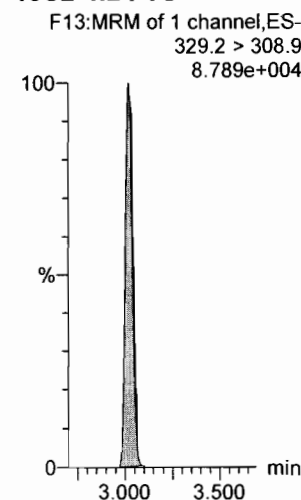
13C3-PFPeA



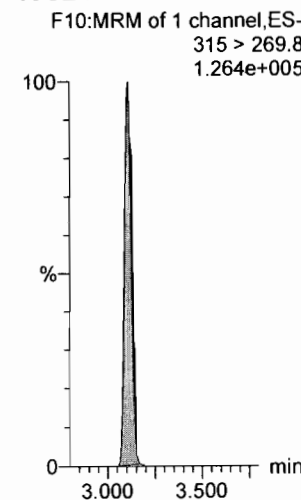
13C3-PFBS



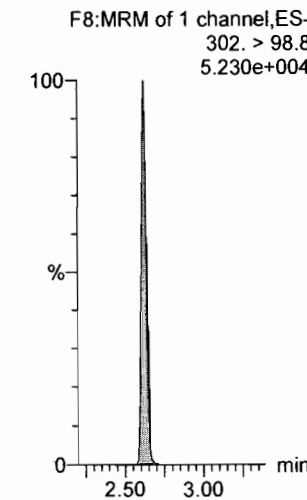
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



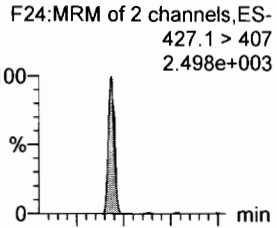
Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

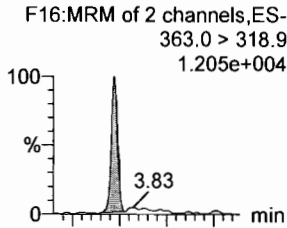
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_2, Date: 03-Jun-2018, Time: 18:07:52, ID: ST180603M2-2 PFC CS-2 18E2902, Description: PFC CS-2 18E2902

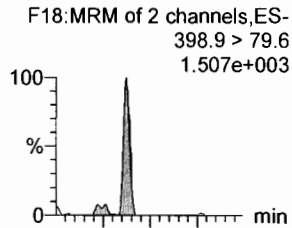
6:2 FTS



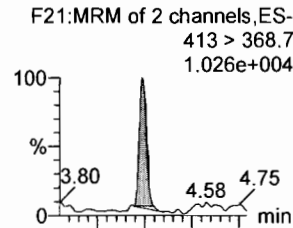
PFHpa



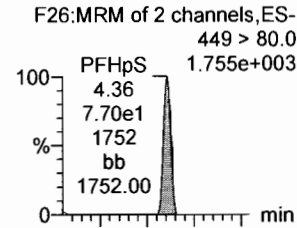
L-PFHxS



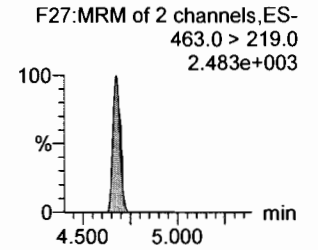
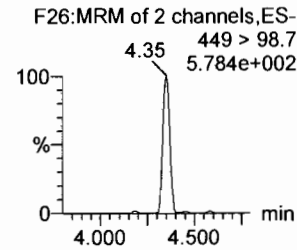
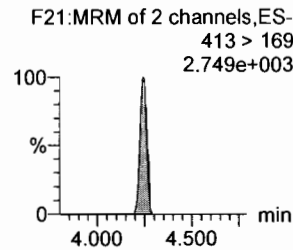
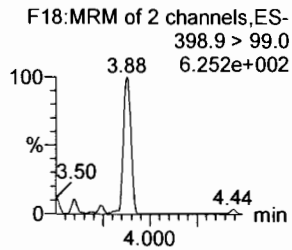
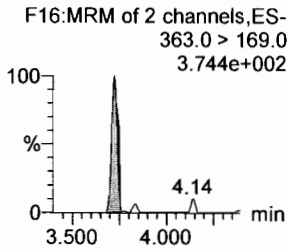
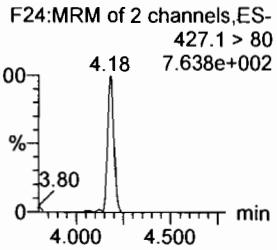
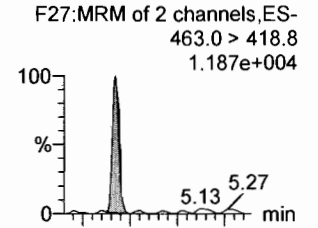
L-PFOA



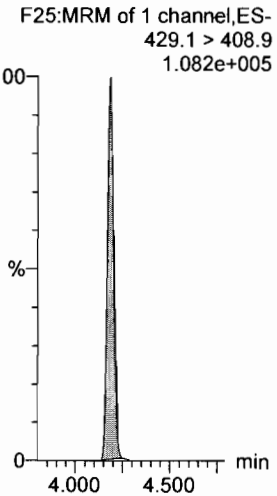
PFHpS



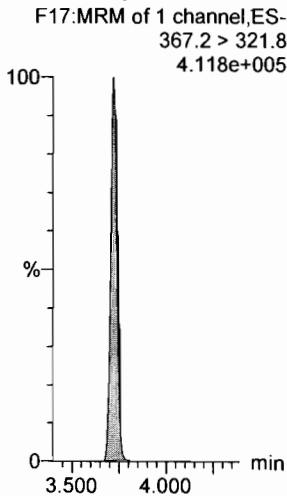
PFNA



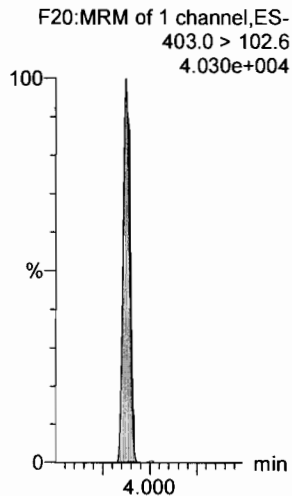
13C2-6:2 FTS



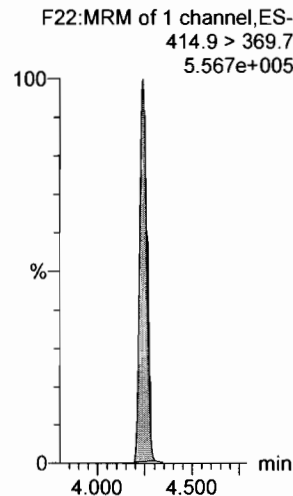
13C4-PFHpa



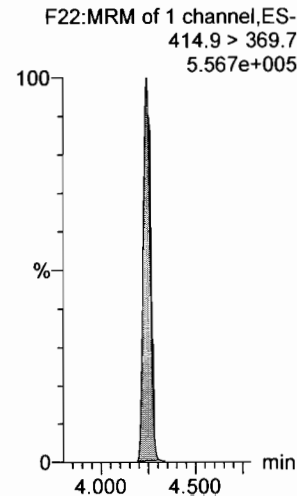
18O2-PFHxS



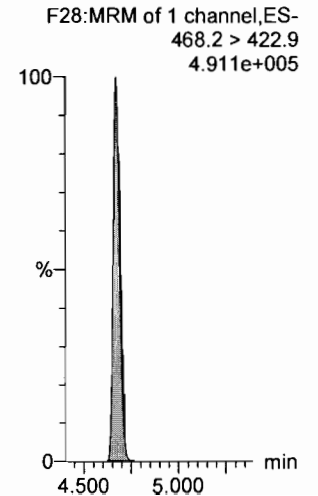
13C2-PFOA



13C2-PFOA



13C5-PFNA



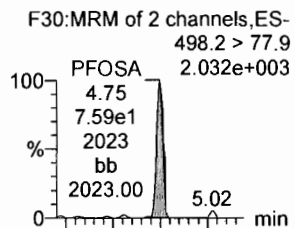
Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

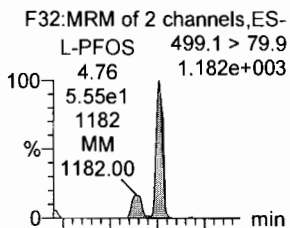
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_2, Date: 03-Jun-2018, Time: 18:07:52, ID: ST180603M2-2 PFC CS-2 18E2902, Description: PFC CS-2 18E2902

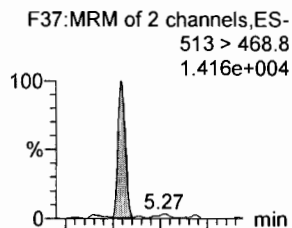
PFOSA



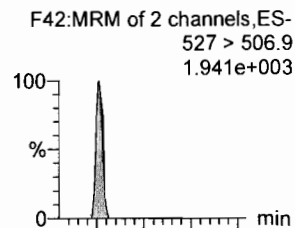
L-PFOS



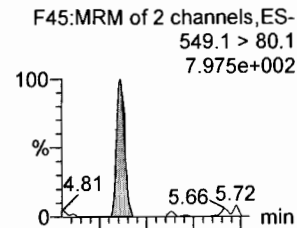
PFDA



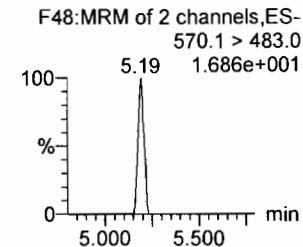
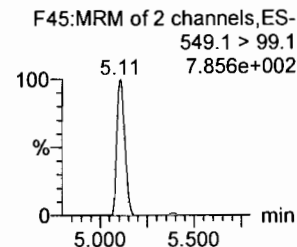
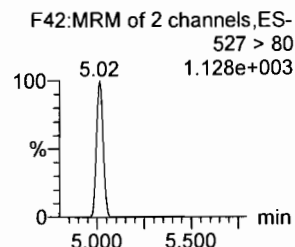
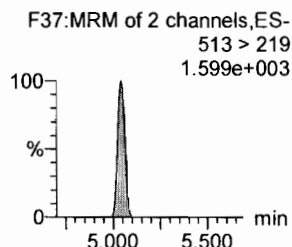
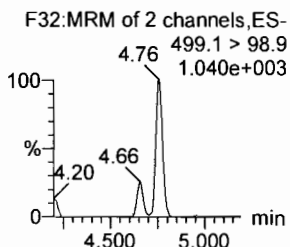
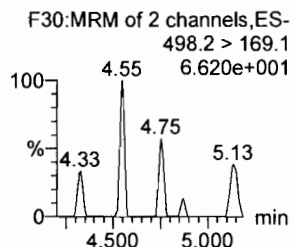
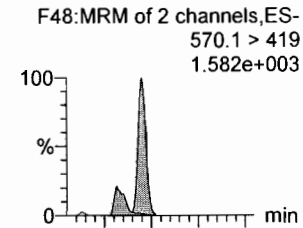
8:2 FTS



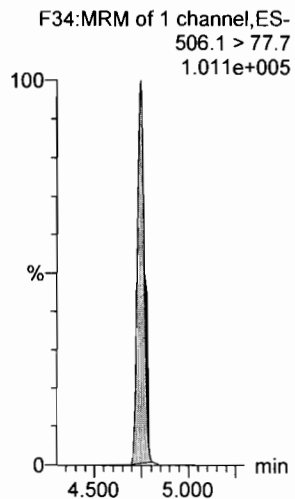
PFNS



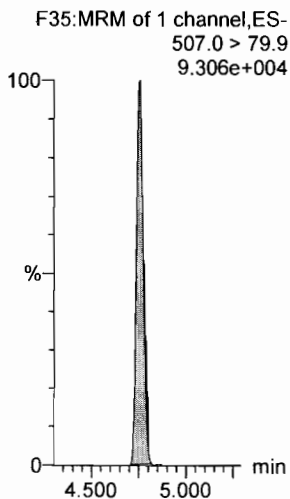
L-MeFOSAA



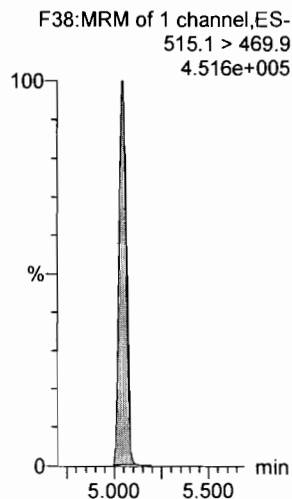
13C8-PFOSA



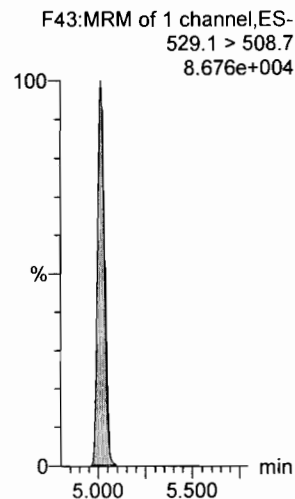
13C8-PFOS



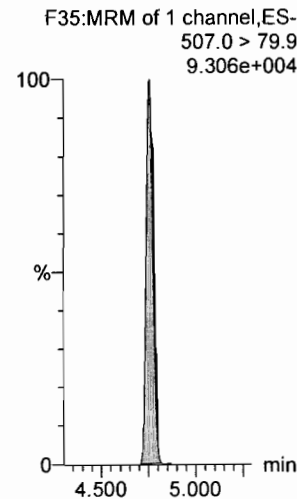
13C2-PFDA



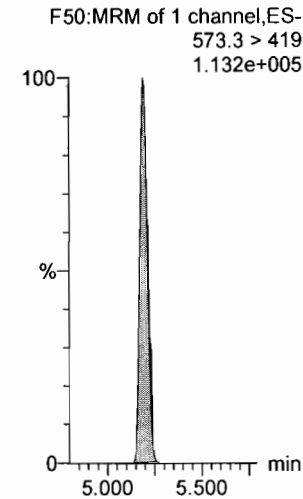
13C2-8:2 FTS



13C8-PFNS



d3-N-MeFOSAA



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

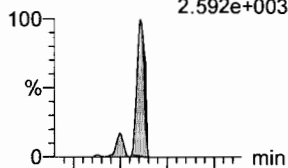
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Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

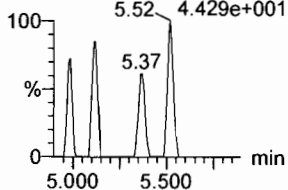
Name: 180603M2_2, Date: 03-Jun-2018, Time: 18:07:52, ID: ST180603M2-2 PFC CS-2 18E2902, Description: PFC CS-2 18E2902

L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
2.592e+003

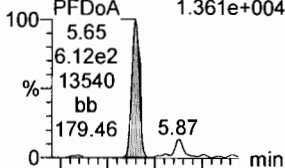


F51:MRM of 2 channels,ES-
584.2 > 483.0
4.429e+001

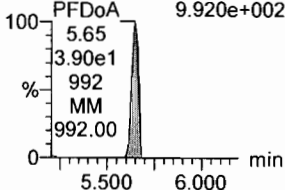


PFDaA

F54:MRM of 4 channels,ES-
612.9 > 569.0
1.361e+004

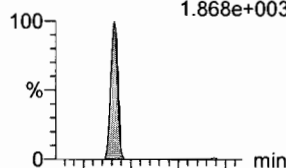


F54:MRM of 4 channels,ES-
612.9 > 318.8
9.920e+002

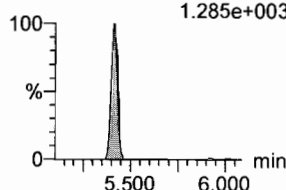


PFDS

F53:MRM of 2 channels,ES-
598.8 > 80
1.868e+003



F53:MRM of 2 channels,ES-
598.8 > 98.7
1.285e+003

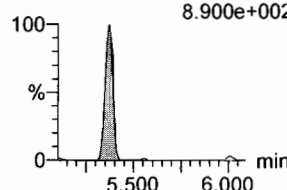


PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
1.578e+004

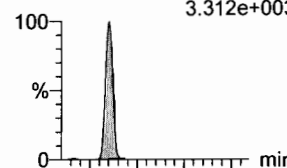


F46:MRM of 2 channels,ES-
563.0 > 269
8.900e+002

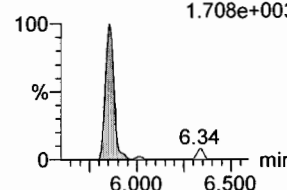


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
3.312e+003

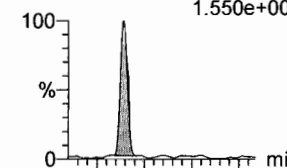


F36:MRM of 2 channels,ES-
512.1 > 219
1.708e+003

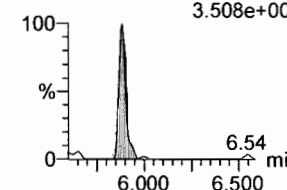


PFTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
1.550e+004

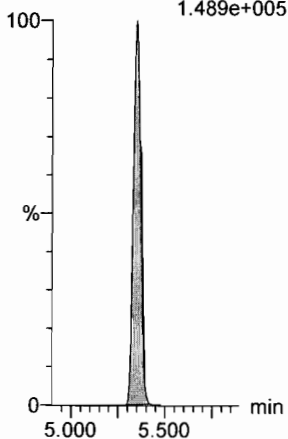


F60:MRM of 2 channels,ES-
662.9 > 319
3.508e+002



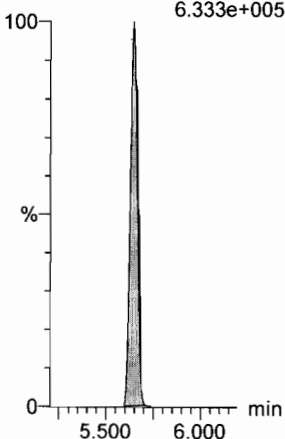
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
1.489e+005



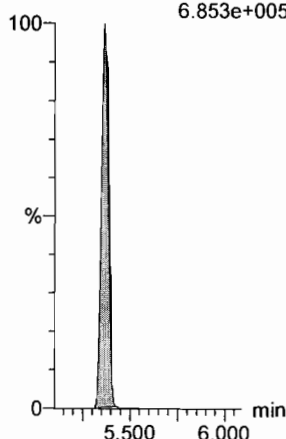
13C2-PFDaA

F55:MRM of 2 channels,ES-
615.0 > 569.7
6.333e+005



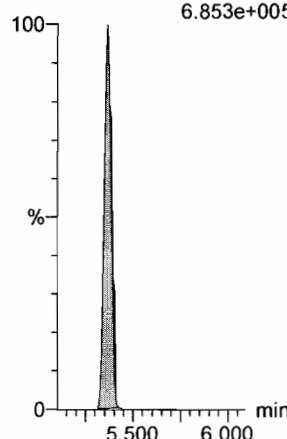
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
6.853e+005



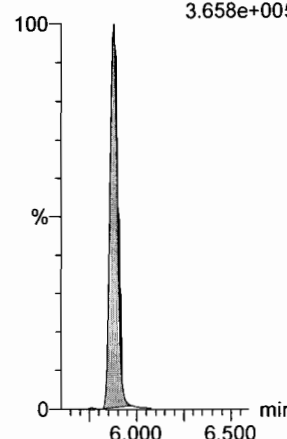
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
6.853e+005



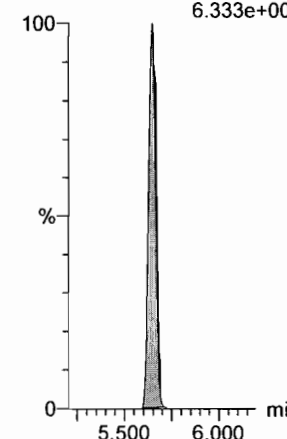
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
3.658e+005



13C2-PFDaA

F55:MRM of 2 channels,ES-
615.0 > 569.7
6.333e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

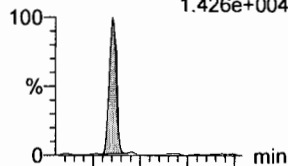
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

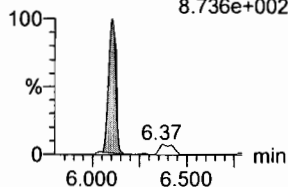
Name: 180603M2_2, Date: 03-Jun-2018, Time: 18:07:52, ID: ST180603M2-2 PFC CS-2 18E2902, Description: PFC CS-2 18E2902

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
1.426e+004

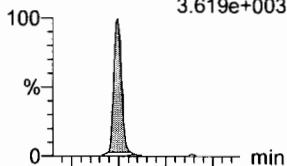


F61:MRM of 2 channels,ES-
712.9 > 369
8.736e+002

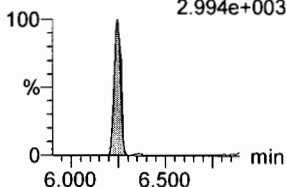


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
3.619e+003

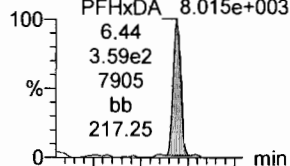


F41:MRM of 2 channels,ES-
526.1 > 219
2.994e+003

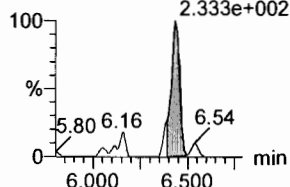


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
8.015e+003



F63:MRM of 2 channels,ES-
813.1 > 219
2.333e+002

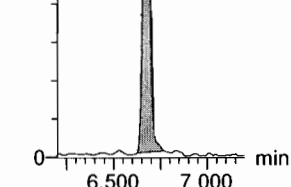


PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
1.374e+004

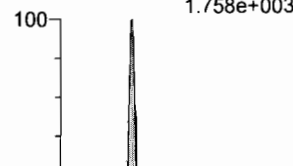


F65:MRM of 1 channel,ES-
913.1 > 868.8
1.374e+004

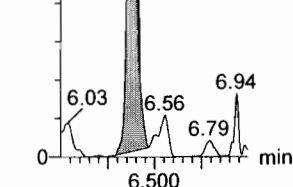


N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
1.758e+003

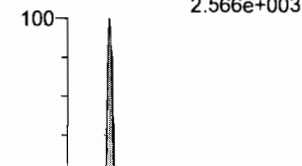


F56:MRM of 1 channel,ES-
616.1 > 58.9
1.758e+003

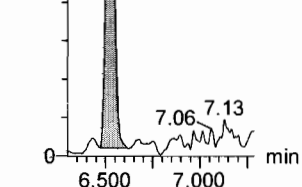


N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
2.566e+003

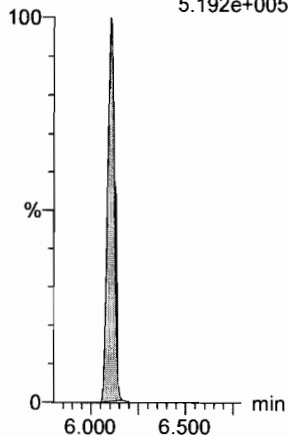


F58:MRM of 1 channel,ES-
630.1 > 58.9
2.566e+003



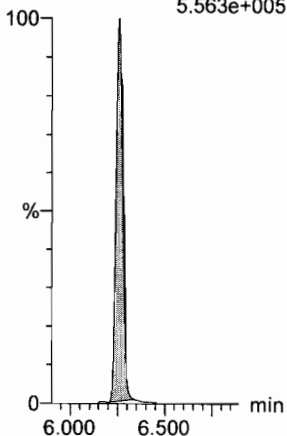
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
5.192e+005



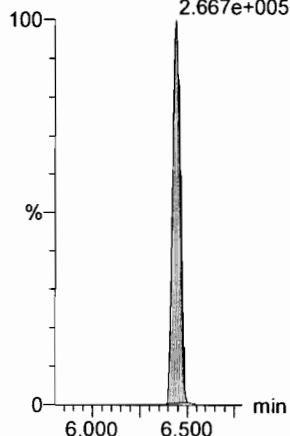
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
5.563e+005



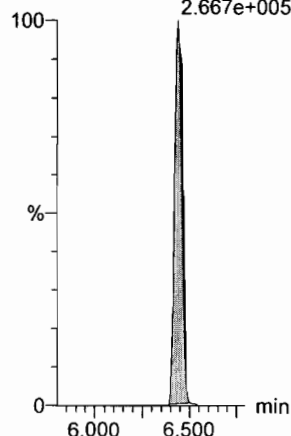
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.667e+005



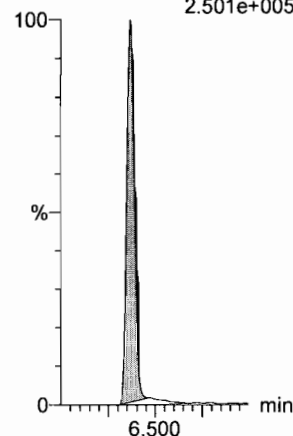
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.667e+005



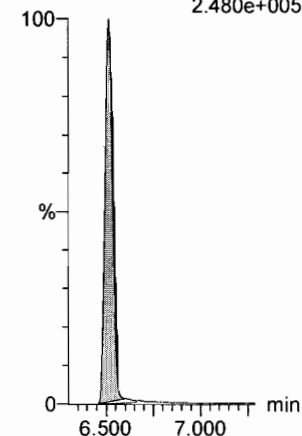
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.501e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.480e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

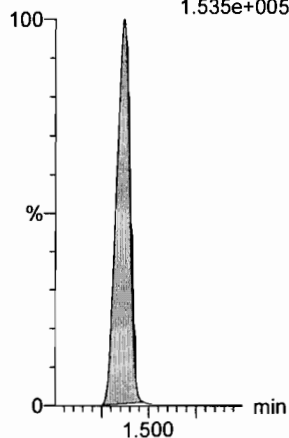
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

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Name: 180603M2_2, Date: 03-Jun-2018, Time: 18:07:52, ID: ST180603M2-2 PFC CS-2 18E2902, Description: PFC CS-2 18E2902

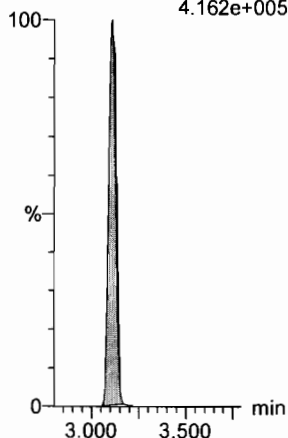
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.535e+005



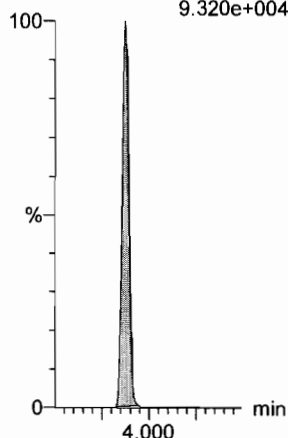
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.162e+005



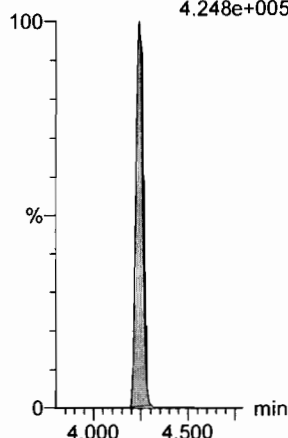
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
9.320e+004



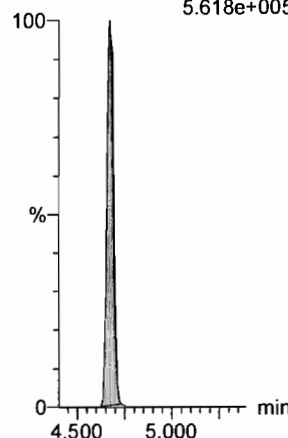
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
4.248e+005



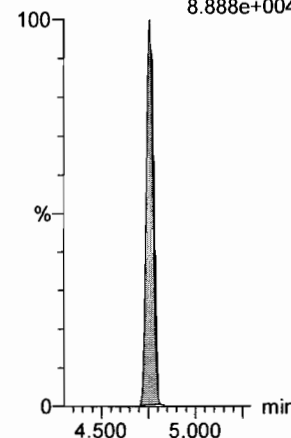
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.618e+005



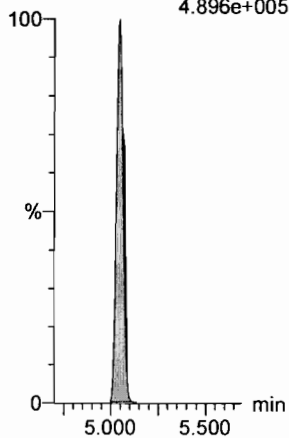
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.888e+004



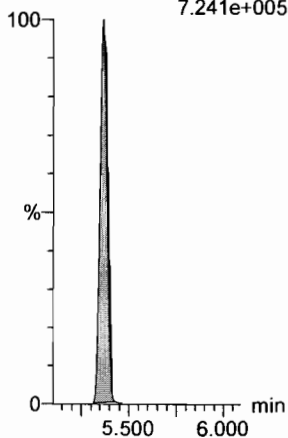
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.896e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
7.241e+005



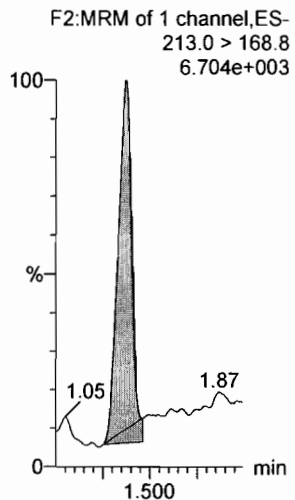
Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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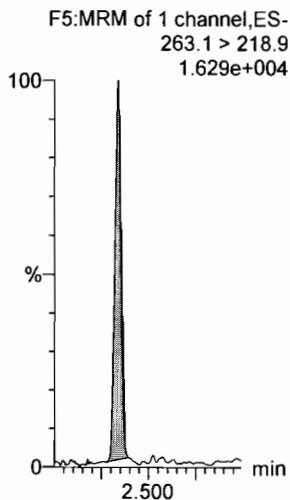
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_3, Date: 03-Jun-2018, Time: 18:18:22, ID: ST180603M2-2 PFC CS-1 18E2903, Description: PFC CS-1 18E2903

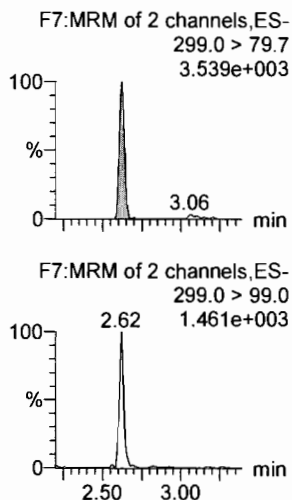
PFBA



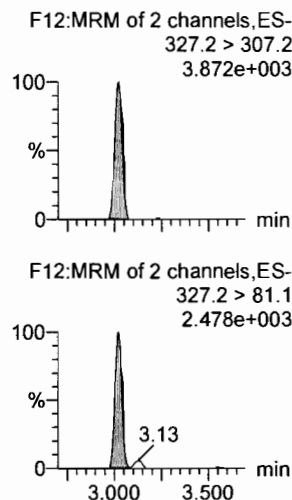
PFPeA



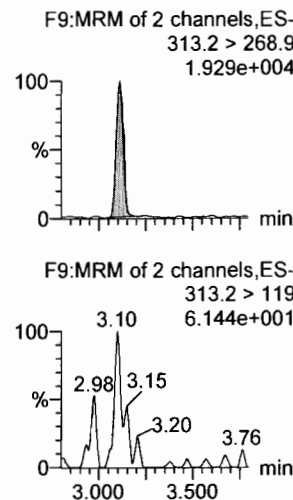
PFBS



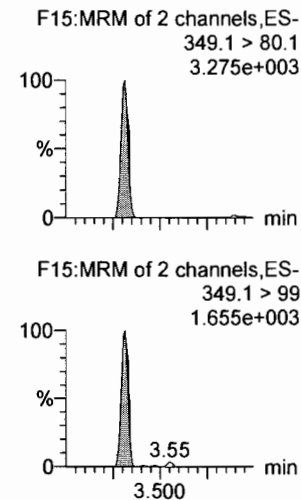
4:2 FTS



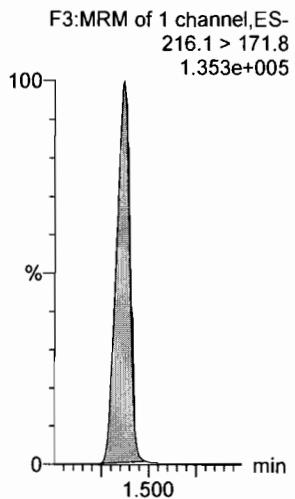
PFHxA



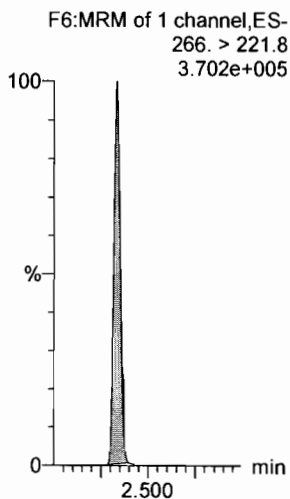
PFPeS



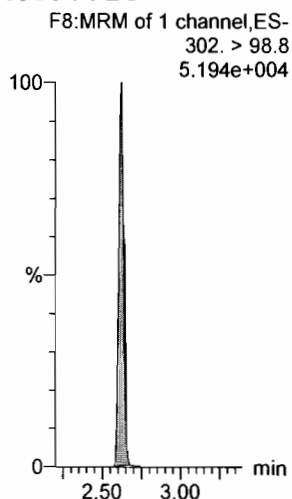
13C3-PFBA



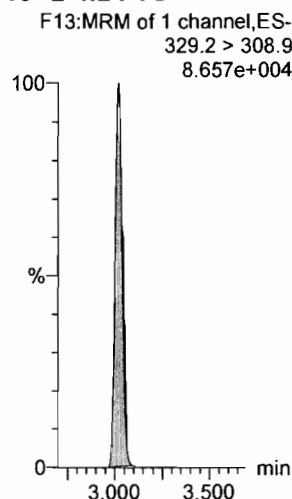
13C3-PFPeA



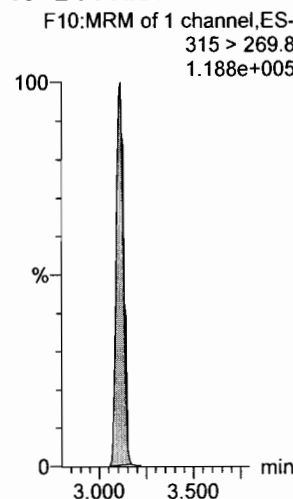
13C3-PFBS



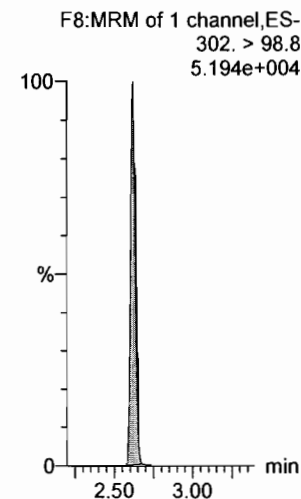
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

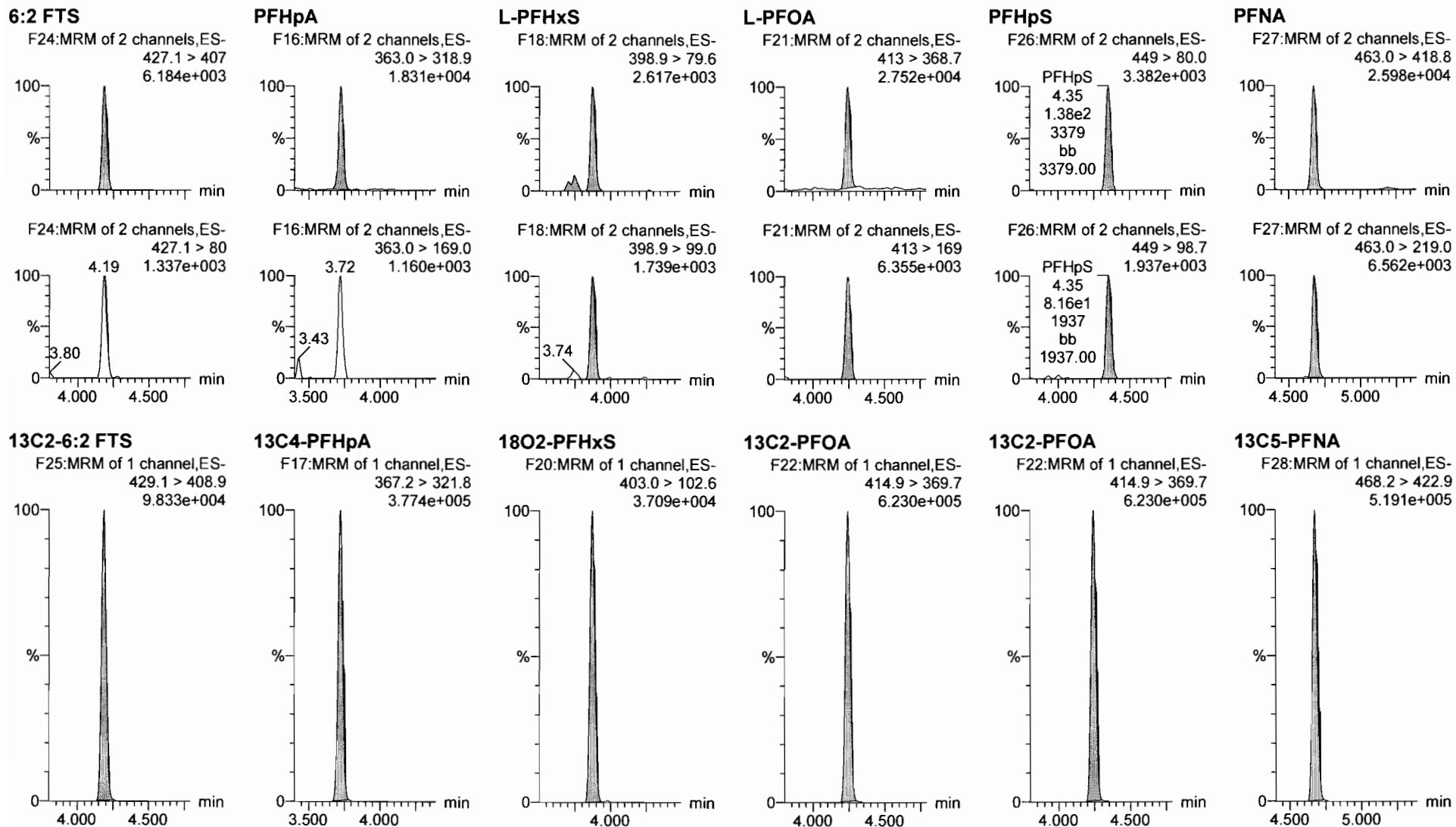


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Name: 180603M2_3, Date: 03-Jun-2018, Time: 18:18:22, ID: ST180603M2-2 PFC CS-1 18E2903, Description: PFC CS-1 18E2903



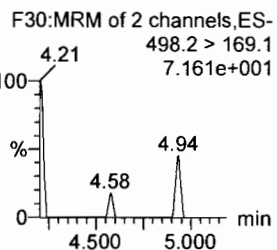
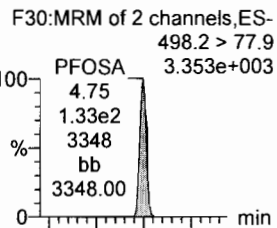
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Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

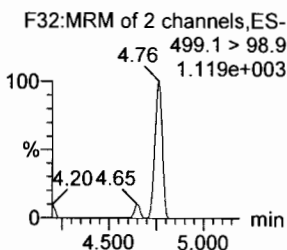
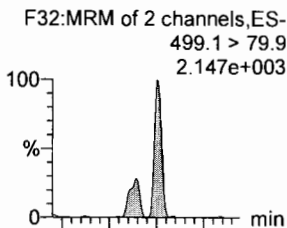
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_3, Date: 03-Jun-2018, Time: 18:18:22, ID: ST180603M2-2 PFC CS-1 18E2903, Description: PFC CS-1 18E2903

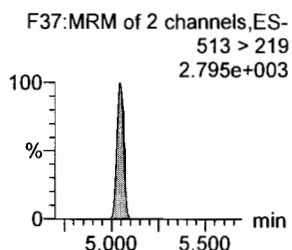
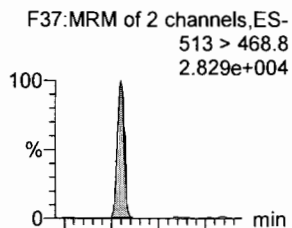
PFOSA



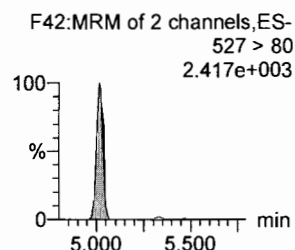
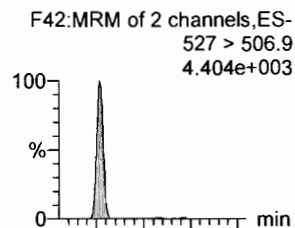
L-PFOS



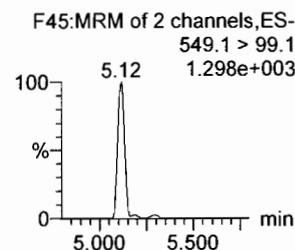
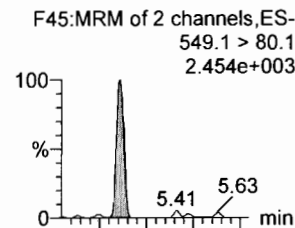
PFDA



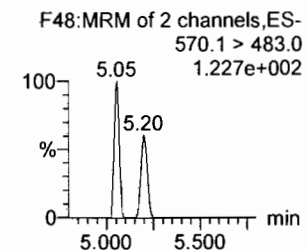
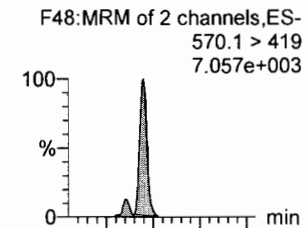
8:2 FTS



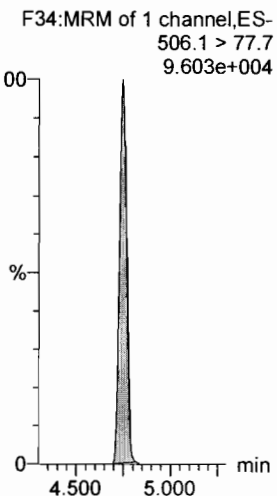
PFNS



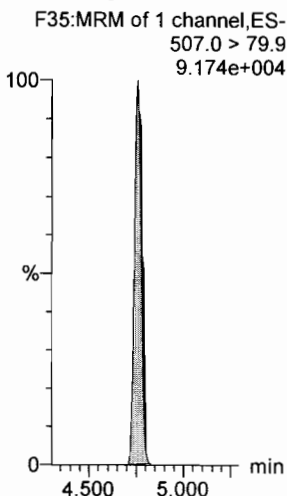
L-MeFOSAA



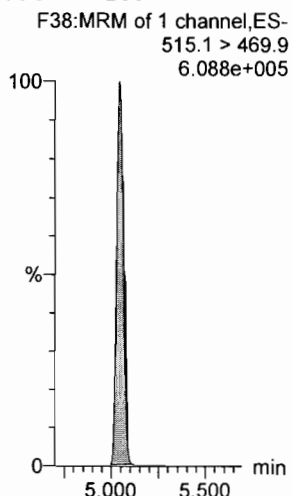
13C8-PFOSA



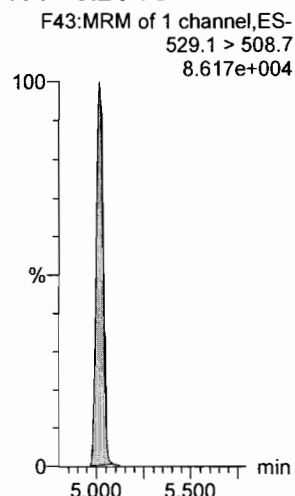
13C8-PFOS



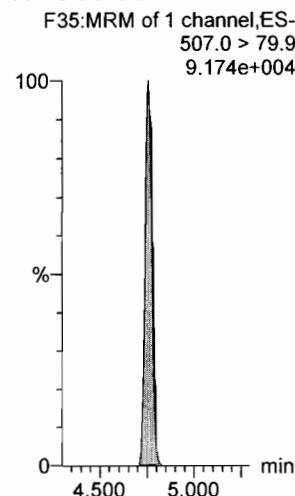
13C2-PFDA



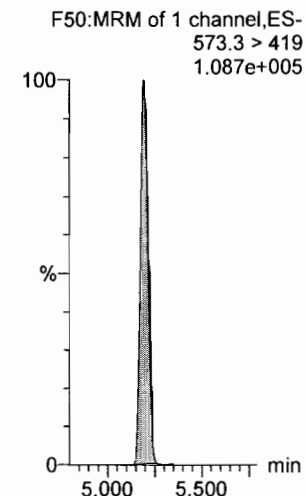
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

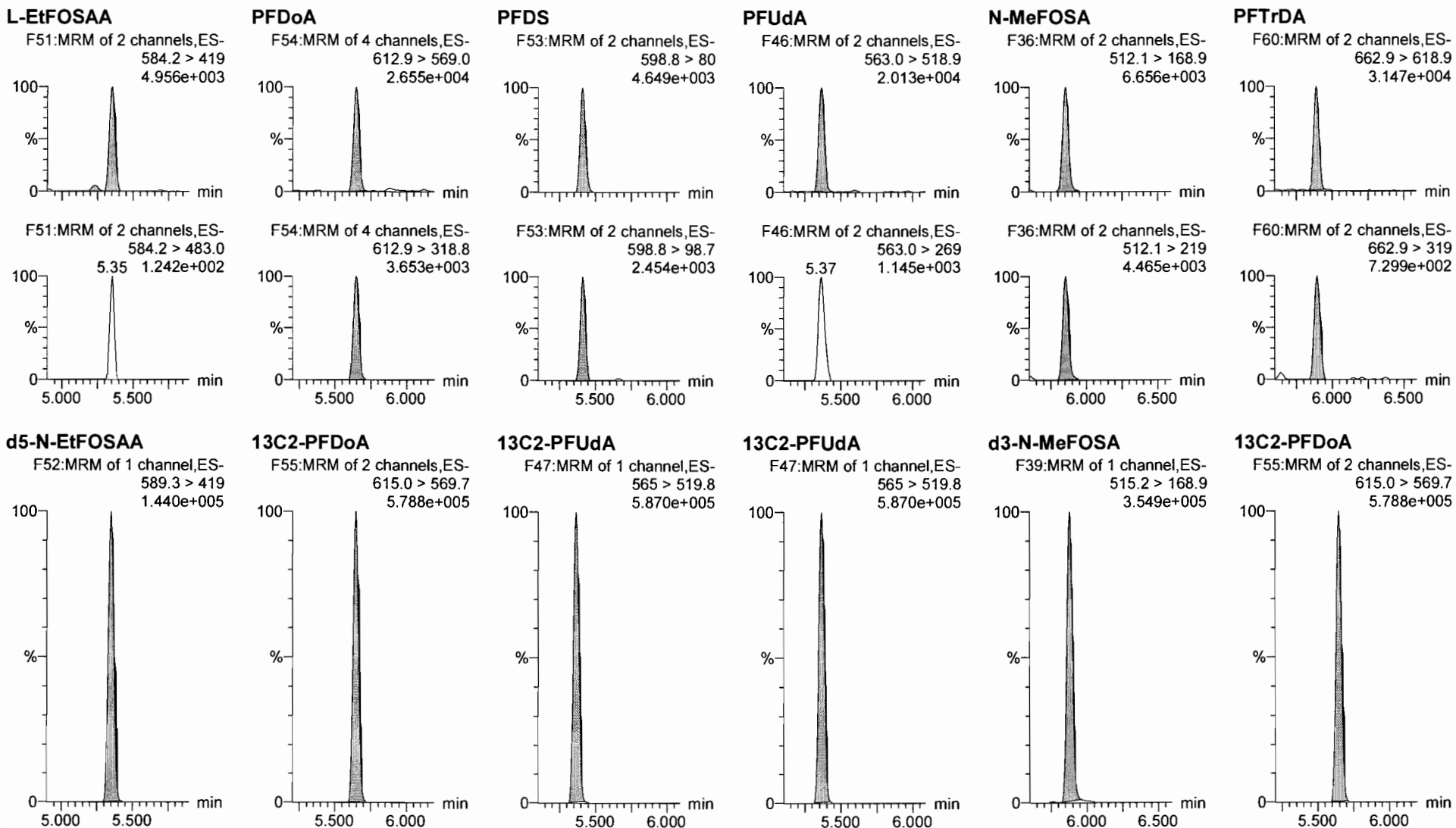


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Name: 180603M2_3, Date: 03-Jun-2018, Time: 18:18:22, ID: ST180603M2-2 PFC CS-1 18E2903, Description: PFC CS-1 18E2903

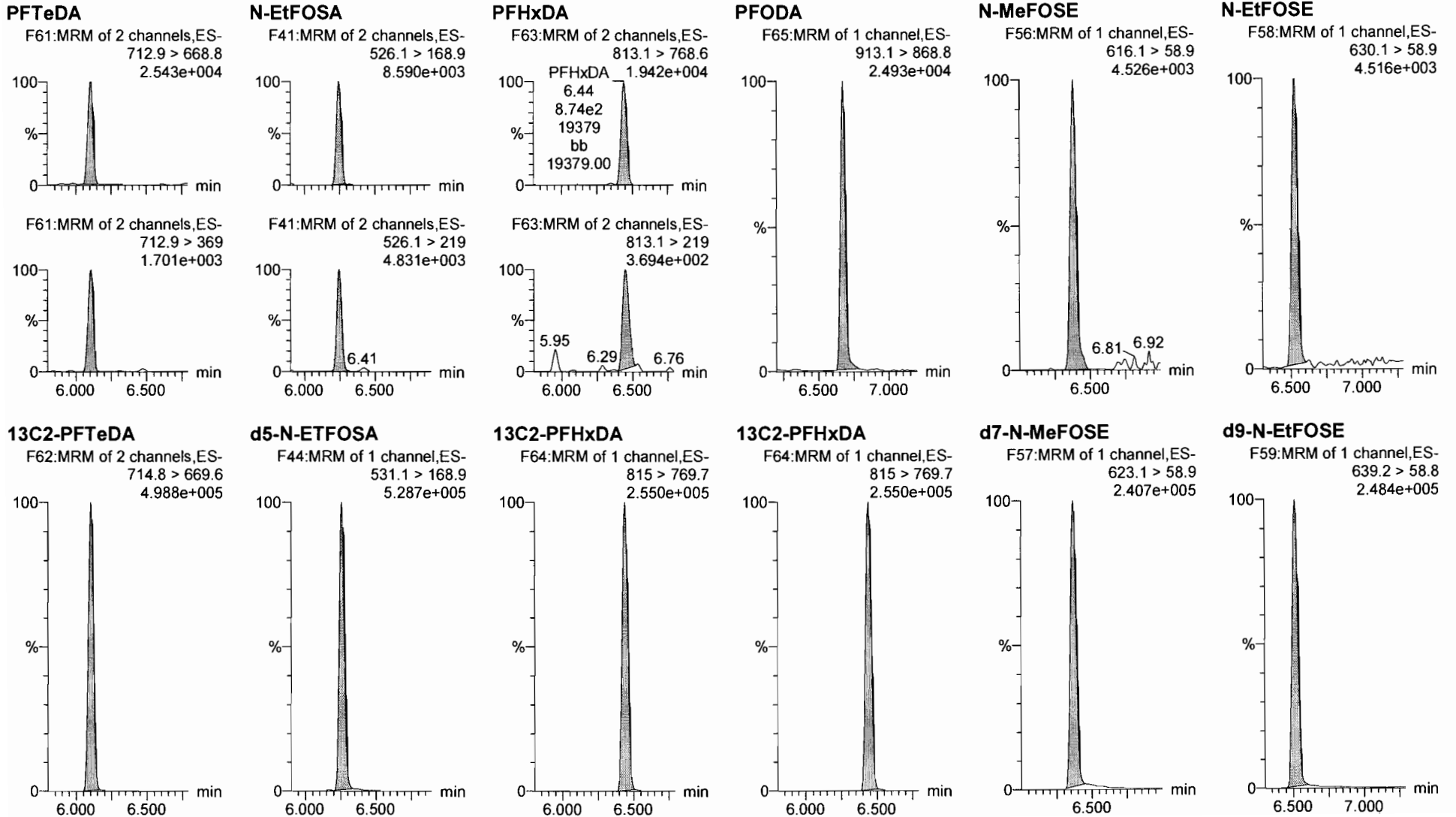


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_3, Date: 03-Jun-2018, Time: 18:18:22, ID: ST180603M2-2 PFC CS-1 18E2903, Description: PFC CS-1 18E2903



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

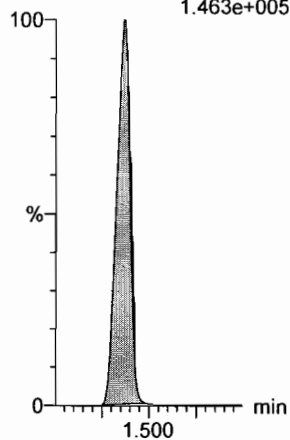
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

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Name: 180603M2_3, Date: 03-Jun-2018, Time: 18:18:22, ID: ST180603M2-2 PFC CS-1 18E2903, Description: PFC CS-1 18E2903

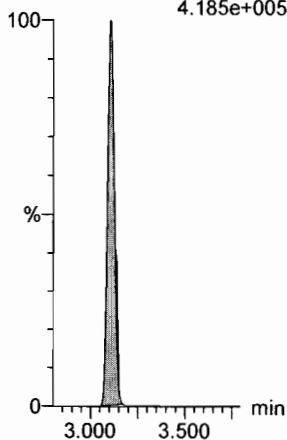
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.463e+005



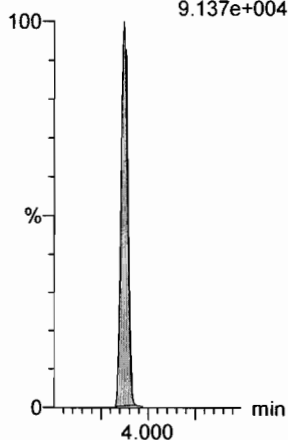
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.185e+005



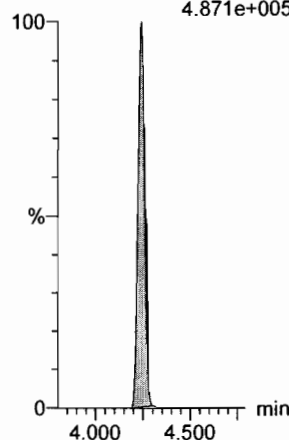
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
9.137e+004



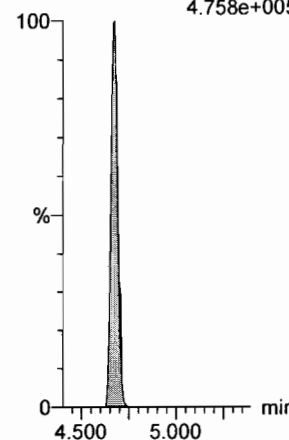
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
4.871e+005



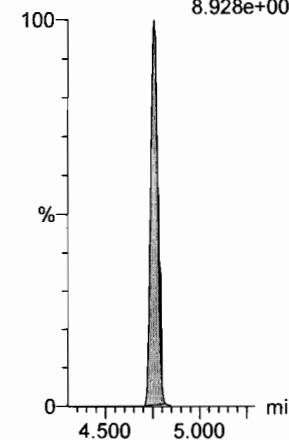
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.758e+005



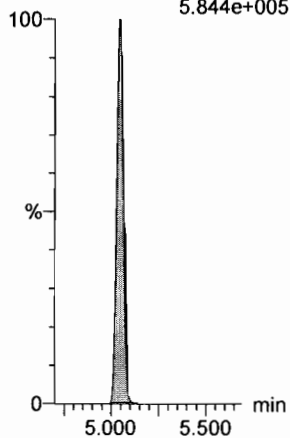
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.928e+004



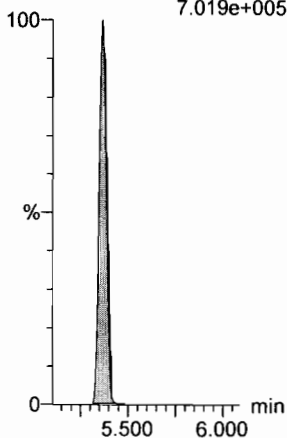
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.844e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
7.019e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

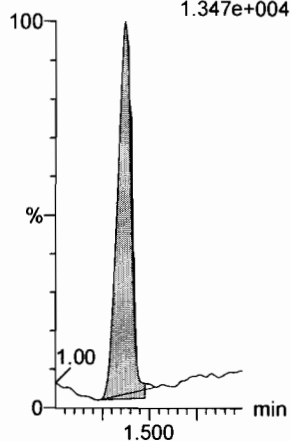
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_4, Date: 03-Jun-2018, Time: 18:28:47, ID: ST180603M2-3 PFC CS0 18E2904, Description: PFC CS0 18E2904

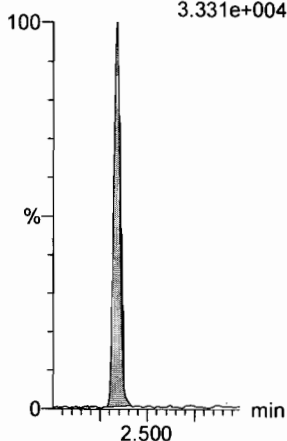
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
1.347e+004



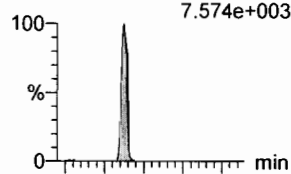
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
3.331e+004

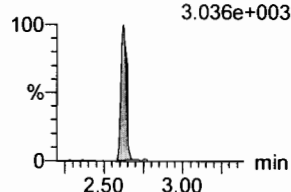


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
7.574e+003

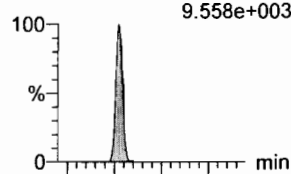


F7:MRM of 2 channels,ES-
299.0 > 99.0
3.036e+003

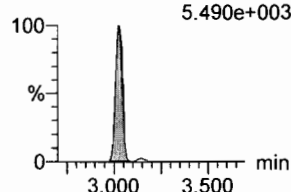


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
9.558e+003

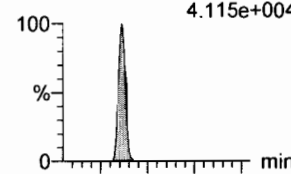


F12:MRM of 2 channels,ES-
327.2 > 81.1
5.490e+003

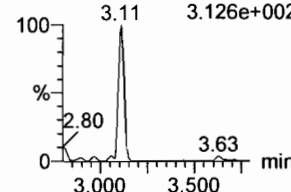


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
4.115e+004

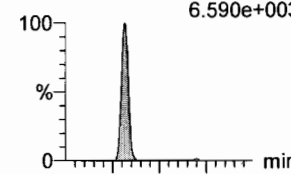


F9:MRM of 2 channels,ES-
313.2 > 119
3.126e+002

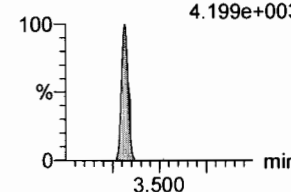


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
6.590e+003

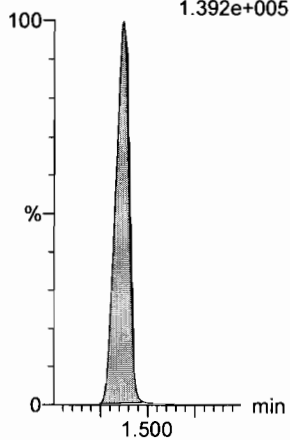


F15:MRM of 2 channels,ES-
349.1 > 99
4.199e+003



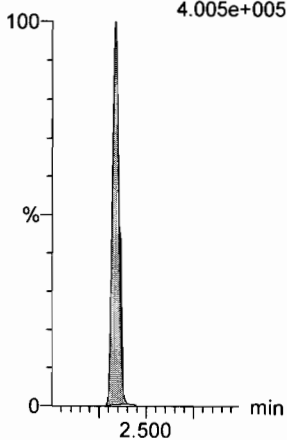
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
1.392e+005



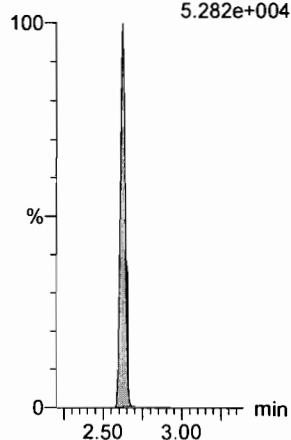
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
4.005e+005



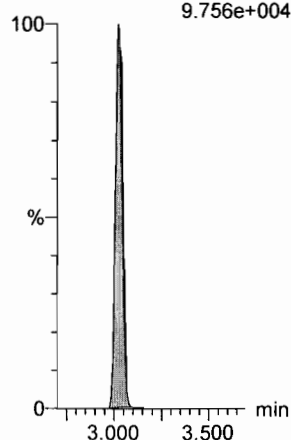
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
5.282e+004



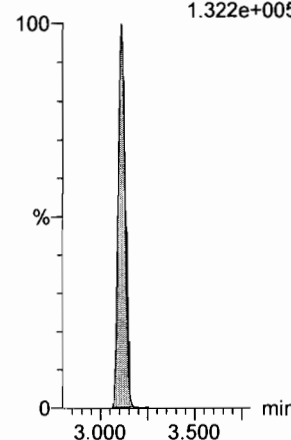
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
9.756e+004



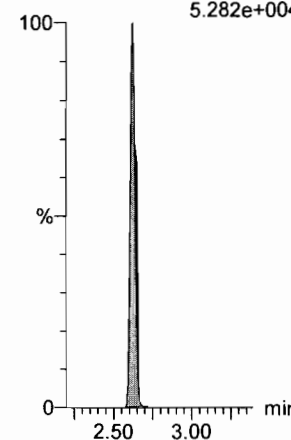
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
1.322e+005



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
5.282e+004



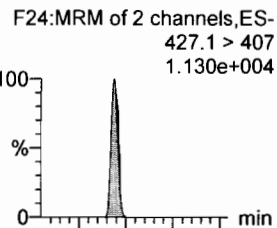
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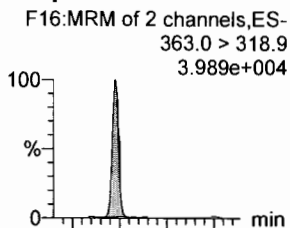
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Name: 180603M2_4, Date: 03-Jun-2018, Time: 18:28:47, ID: ST180603M2-3 PFC CS0 18E2904, Description: PFC CS0 18E2904

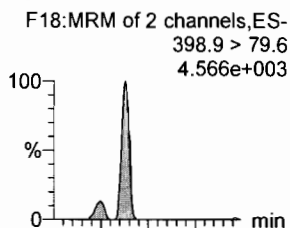
6:2 FTS



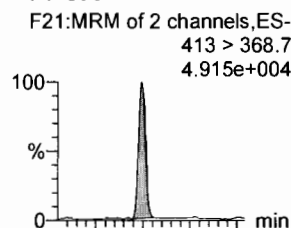
PFHpA



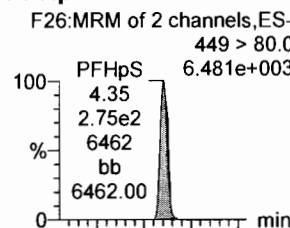
L-PFHxS



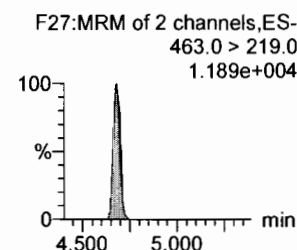
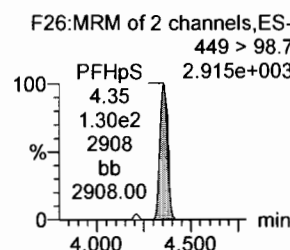
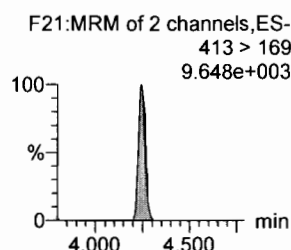
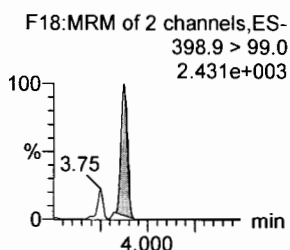
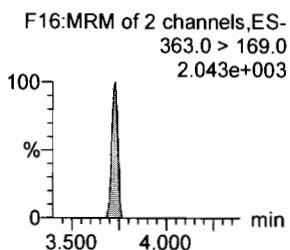
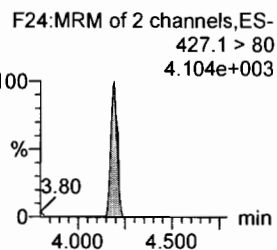
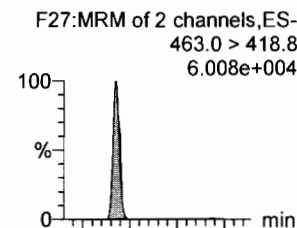
L-PFOA



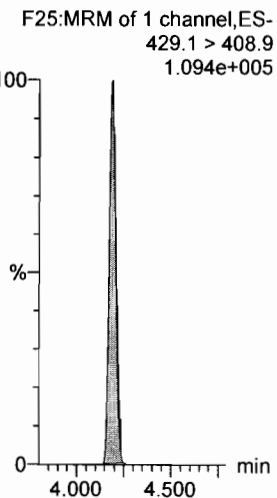
PFHpS



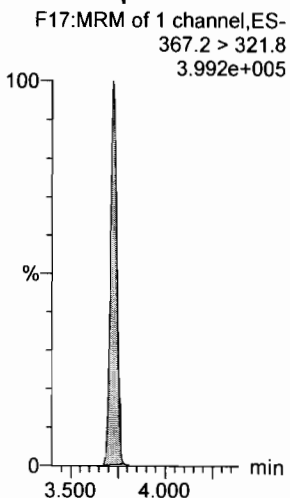
PFNA



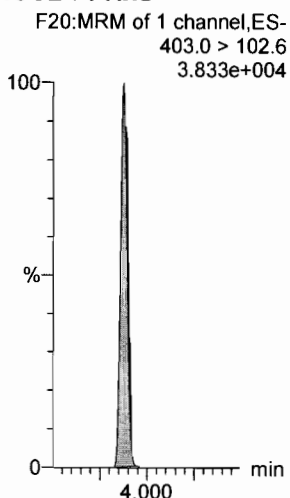
13C2-6:2 FTS



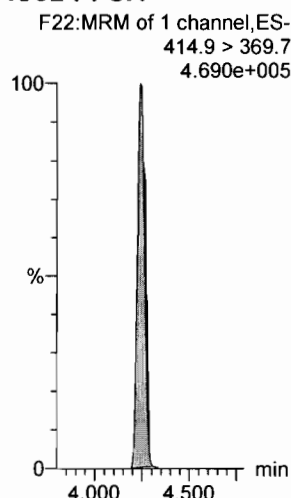
13C4-PFHpA



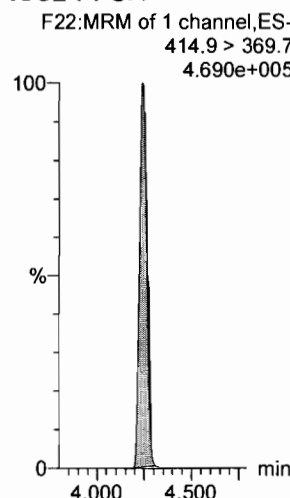
18O2-PFHxS



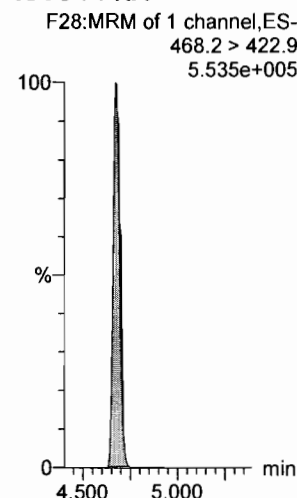
13C2-PFOA



13C2-PFOA



13C5-PFNA



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

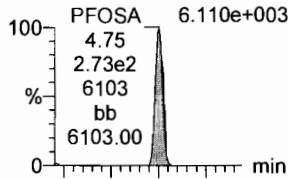
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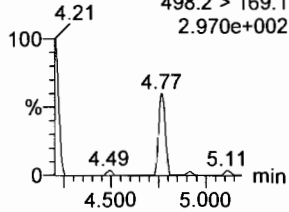
Name: 180603M2_4, Date: 03-Jun-2018, Time: 18:28:47, ID: ST180603M2-3 PFC CS0 18E2904, Description: PFC CS0 18E2904

PFOSA

F30:MRM of 2 channels,ES-
498.2 > 77.9
6.110e+003

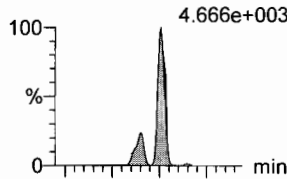


F30:MRM of 2 channels,ES-
498.2 > 169.1
2.970e+002

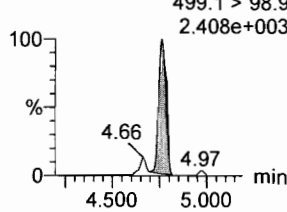


L-PFOS

F32:MRM of 2 channels,ES-
499.1 > 79.9
4.666e+003

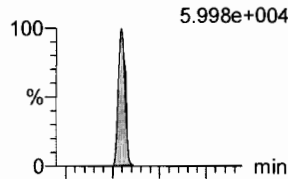


F32:MRM of 2 channels,ES-
499.1 > 98.9
2.408e+003

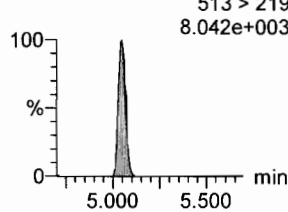


PFDA

F37:MRM of 2 channels,ES-
513 > 468.8
5.998e+004

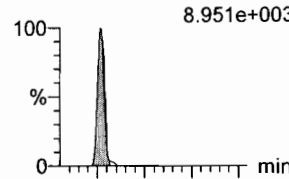


F37:MRM of 2 channels,ES-
513 > 219
8.042e+003

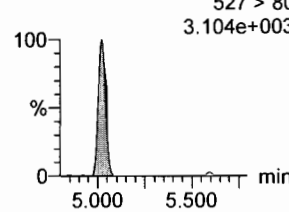


8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
8.951e+003

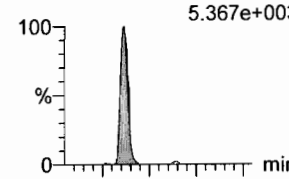


F42:MRM of 2 channels,ES-
527 > 80
3.104e+003

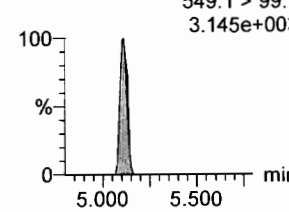


PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
5.367e+003

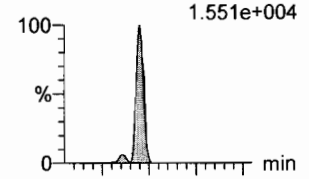


F45:MRM of 2 channels,ES-
549.1 > 99.1
3.145e+003

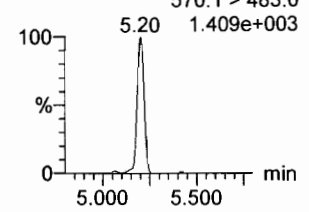


L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
1.551e+004

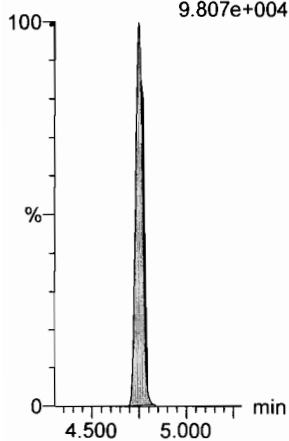


F48:MRM of 2 channels,ES-
570.1 > 483.0
1.409e+003



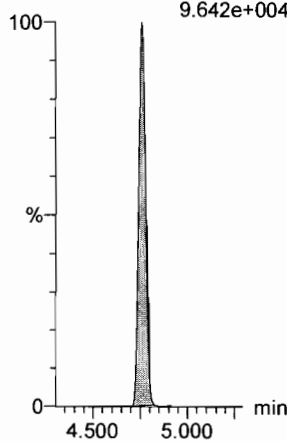
13C8-PFOSA

F34:MRM of 1 channel,ES-
506.1 > 77.7
9.807e+004



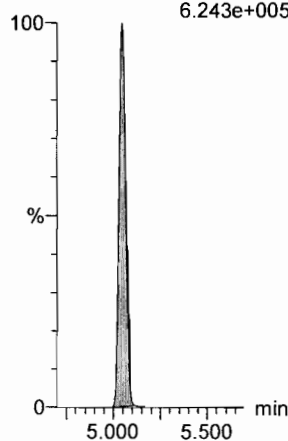
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
9.642e+004



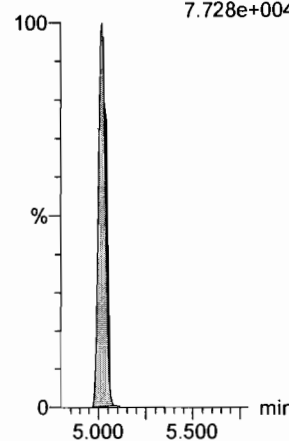
13C2-PFDA

F38:MRM of 1 channel,ES-
515.1 > 469.9
6.243e+005



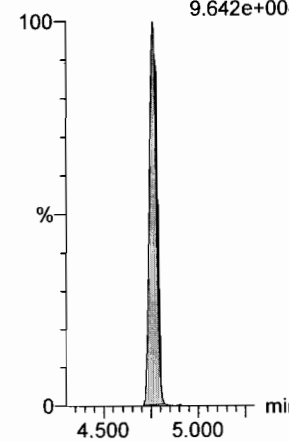
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
7.728e+004



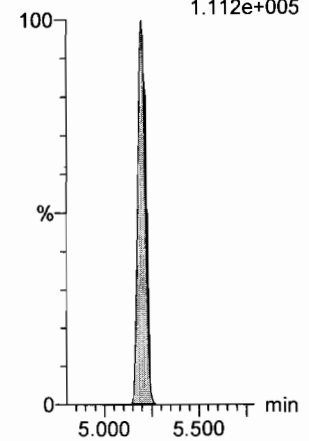
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
9.642e+004



d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
1.112e+005

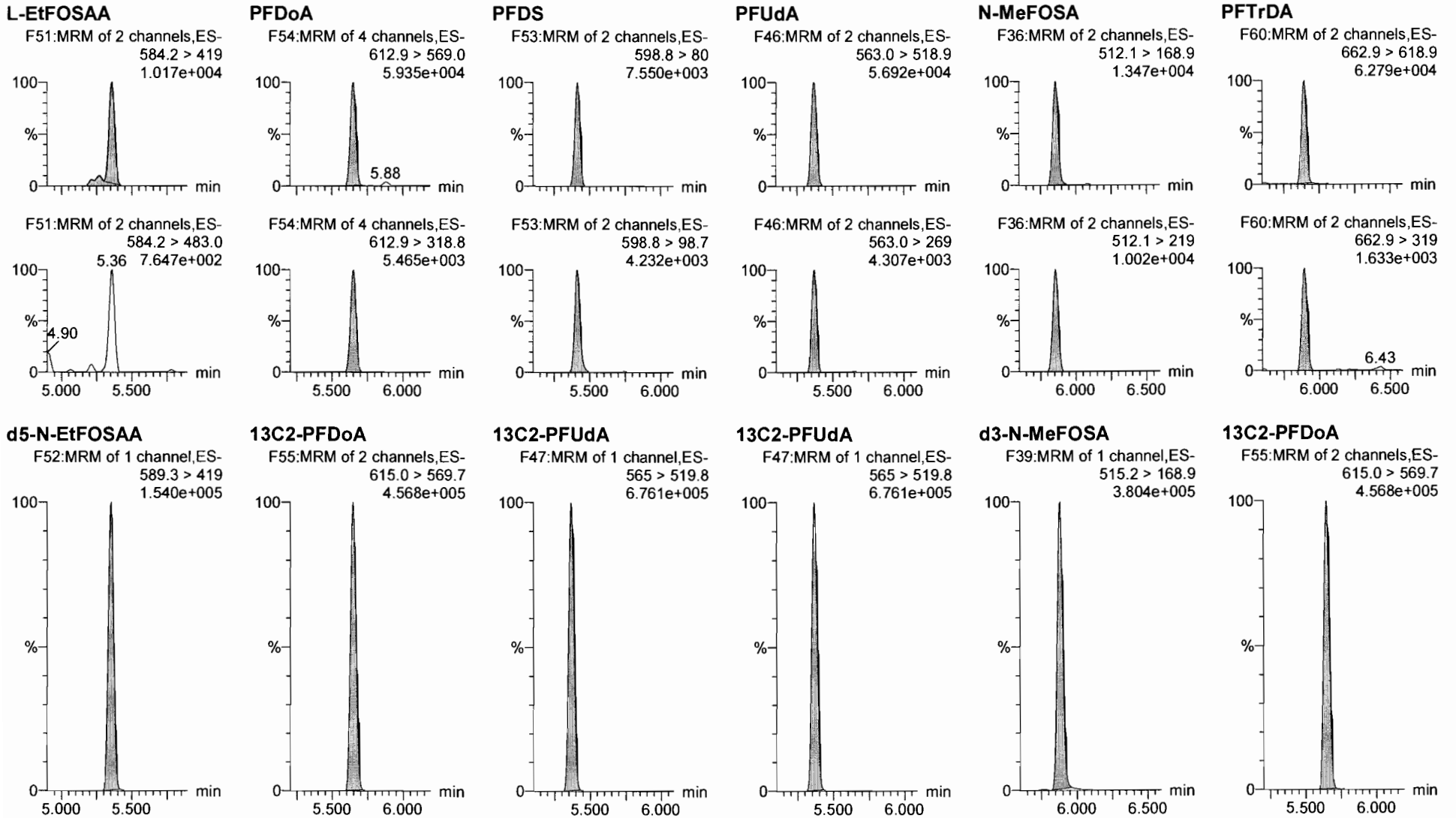


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Name: 180603M2_4, Date: 03-Jun-2018, Time: 18:28:47, ID: ST180603M2-3 PFC CS0 18E2904, Description: PFC CS0 18E2904

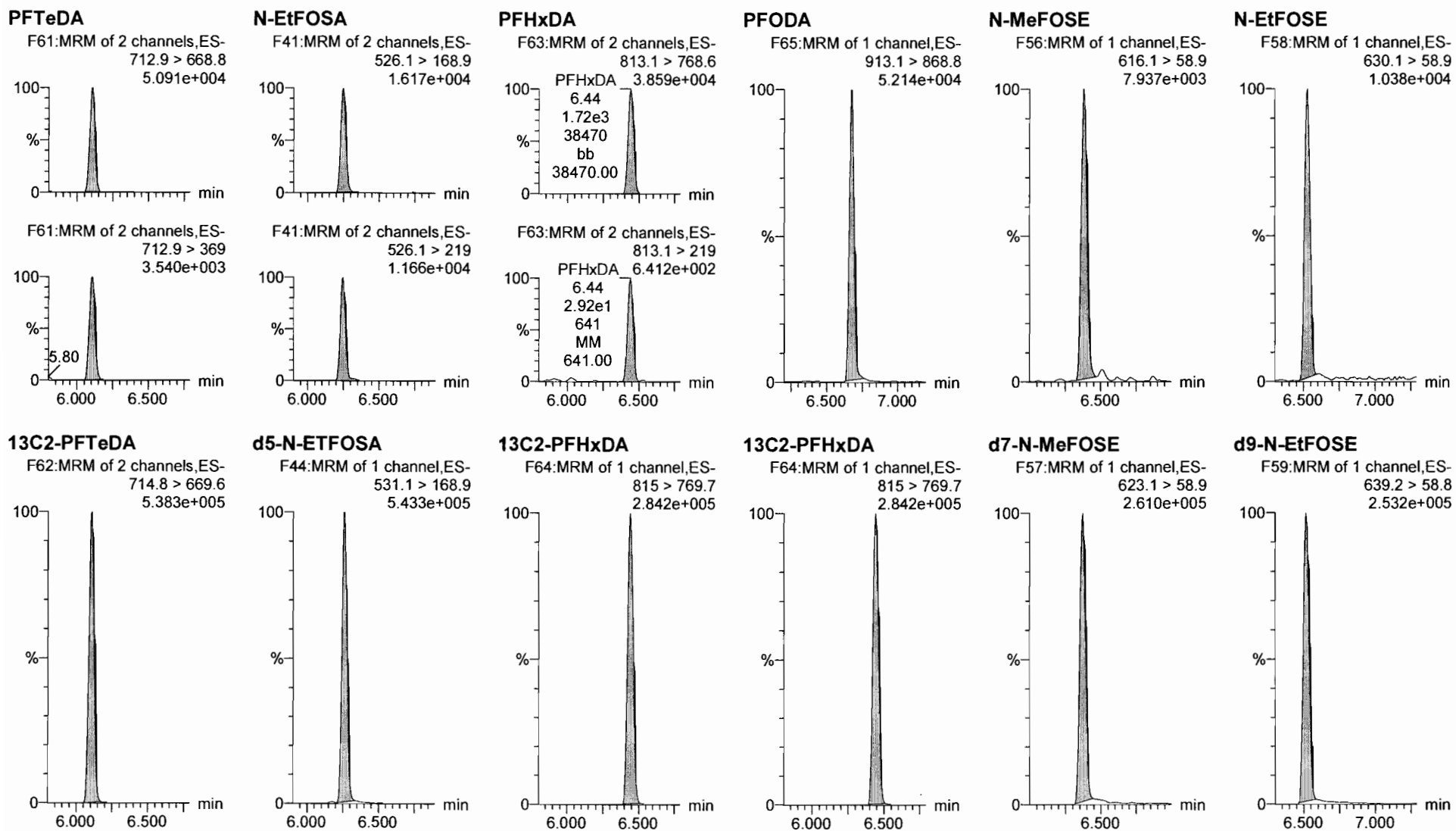


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Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

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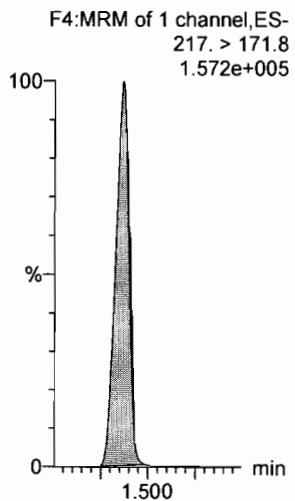
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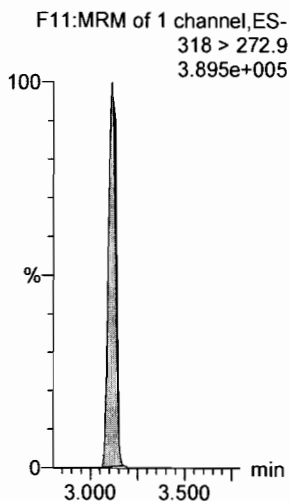
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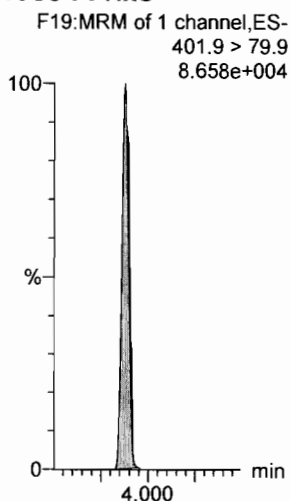
13C4-PFBA



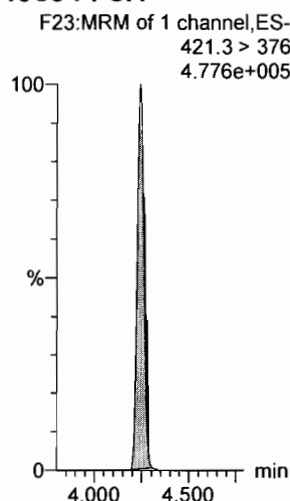
13C5-PFHxA



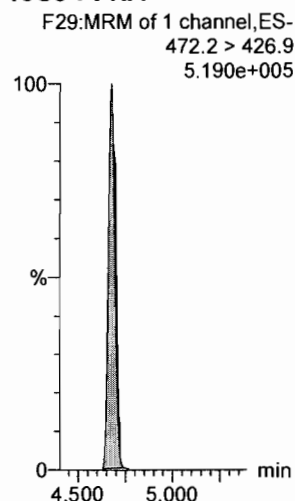
13C3-PFHxS



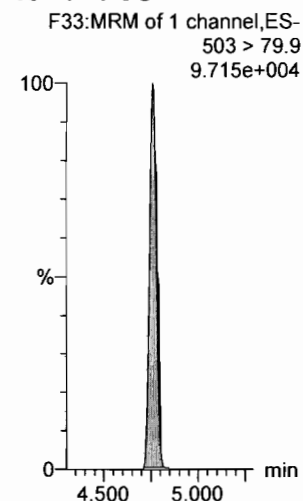
13C8-PFOA



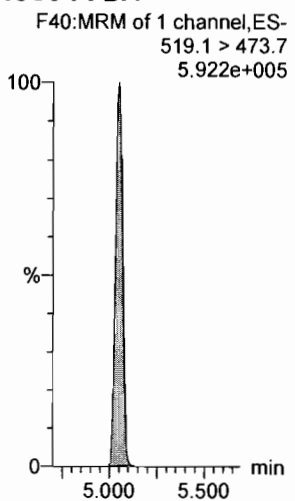
13C9-PFNA



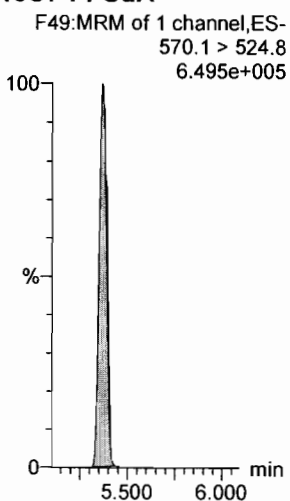
13C4-PFOS



13C6-PFDA



13C7-PFUdA



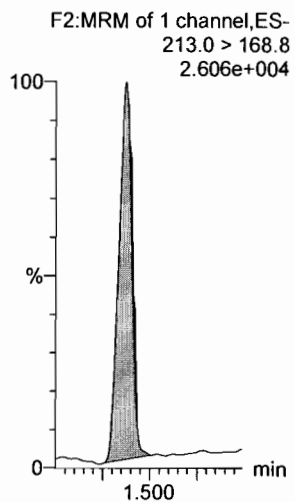
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Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

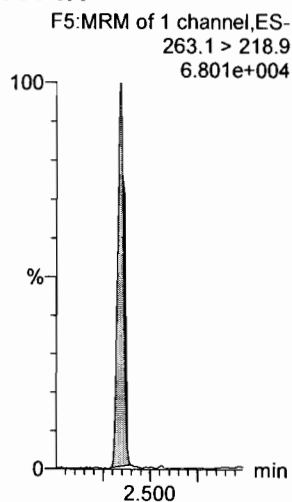
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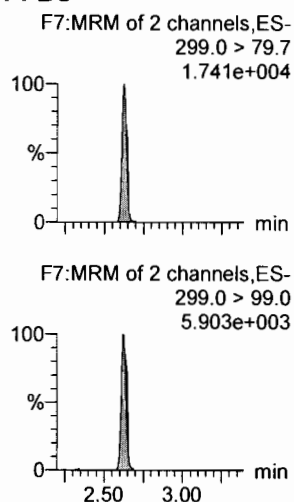
PFBA



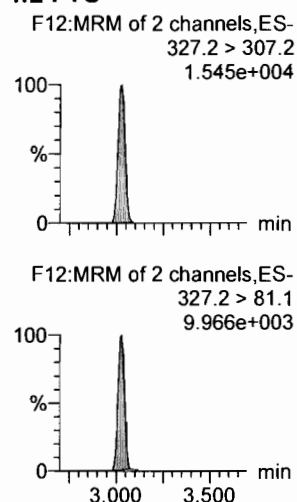
PFPeA



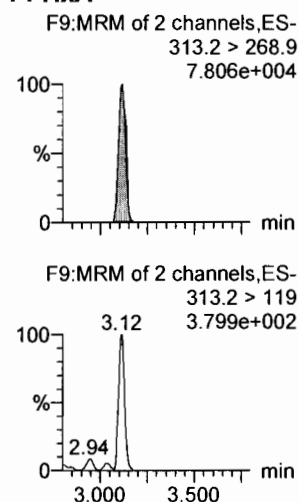
PFBS



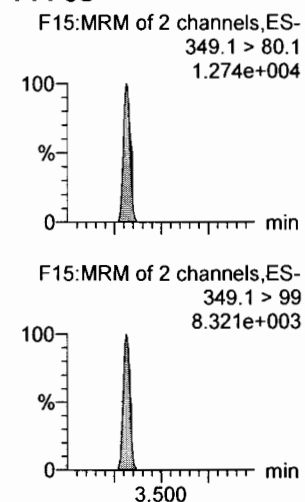
4:2 FTS



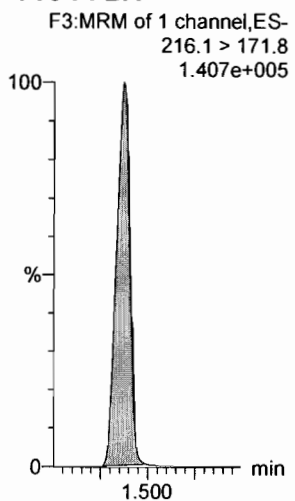
PFHxA



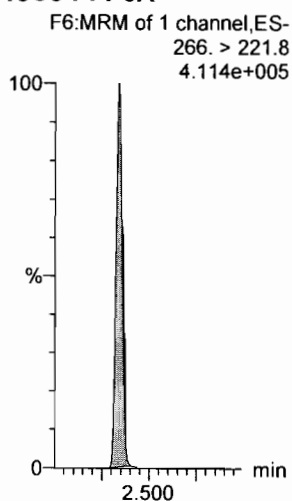
PFPeS



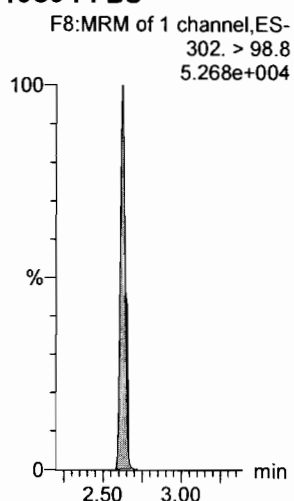
13C3-PFBA



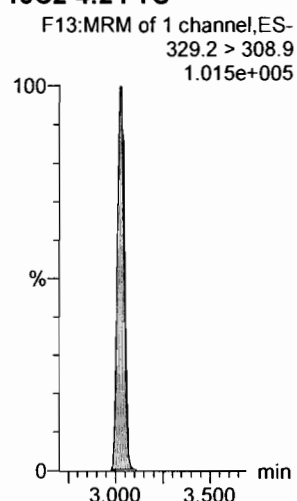
13C3-PFPeA



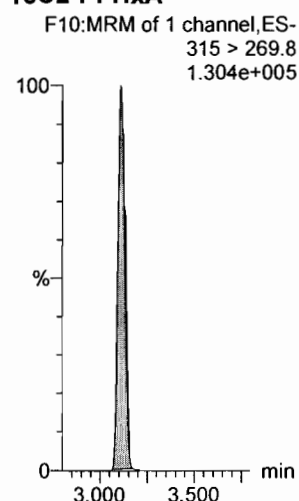
13C3-PFBS



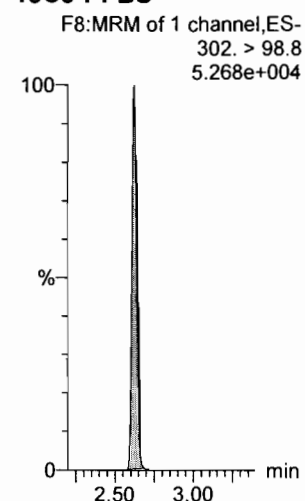
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



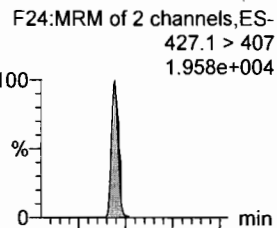
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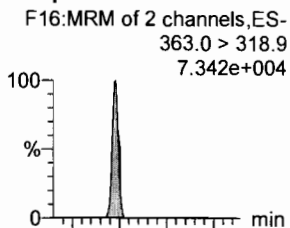
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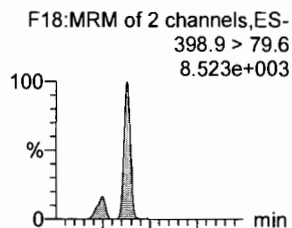
6:2 FTS



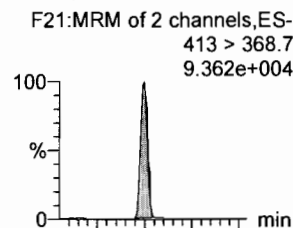
PFHpA



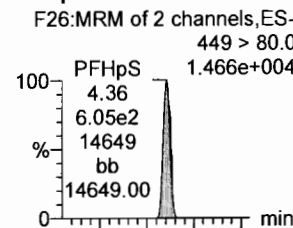
L-PFHxS



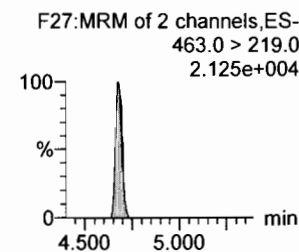
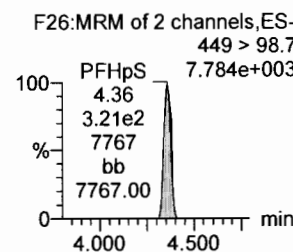
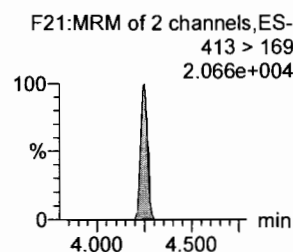
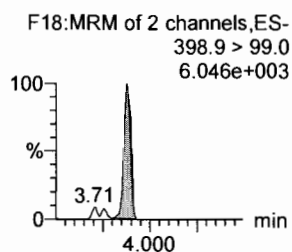
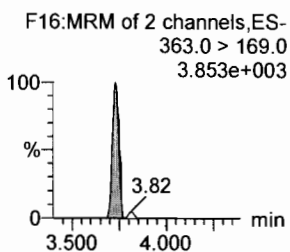
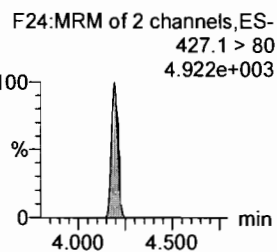
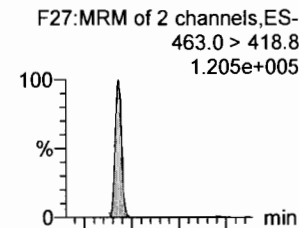
L-PFOA



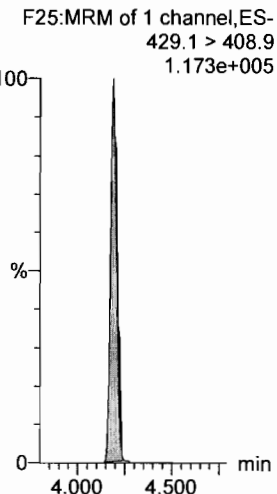
PFHpS



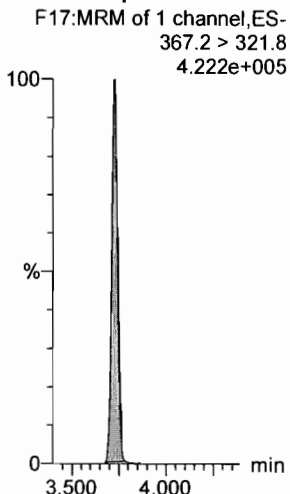
PFNA



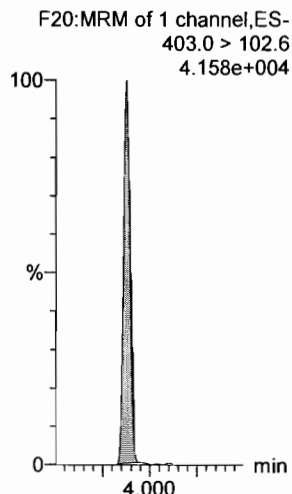
13C2-6:2 FTS



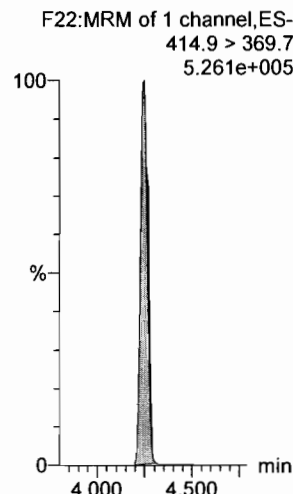
13C4-PFHpA



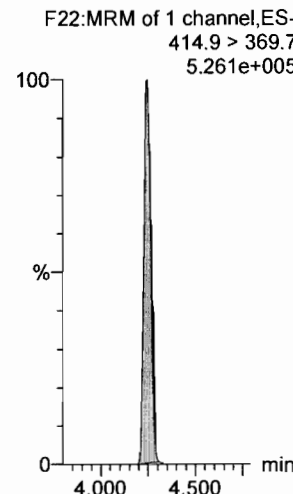
18O2-PFHxS



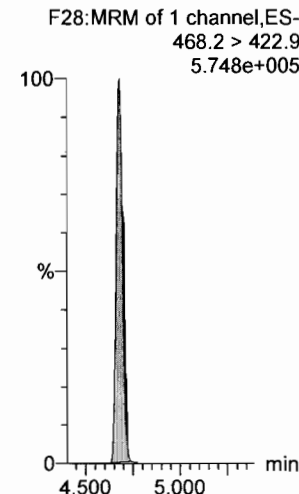
13C2-PFOA



13C2-PFOA



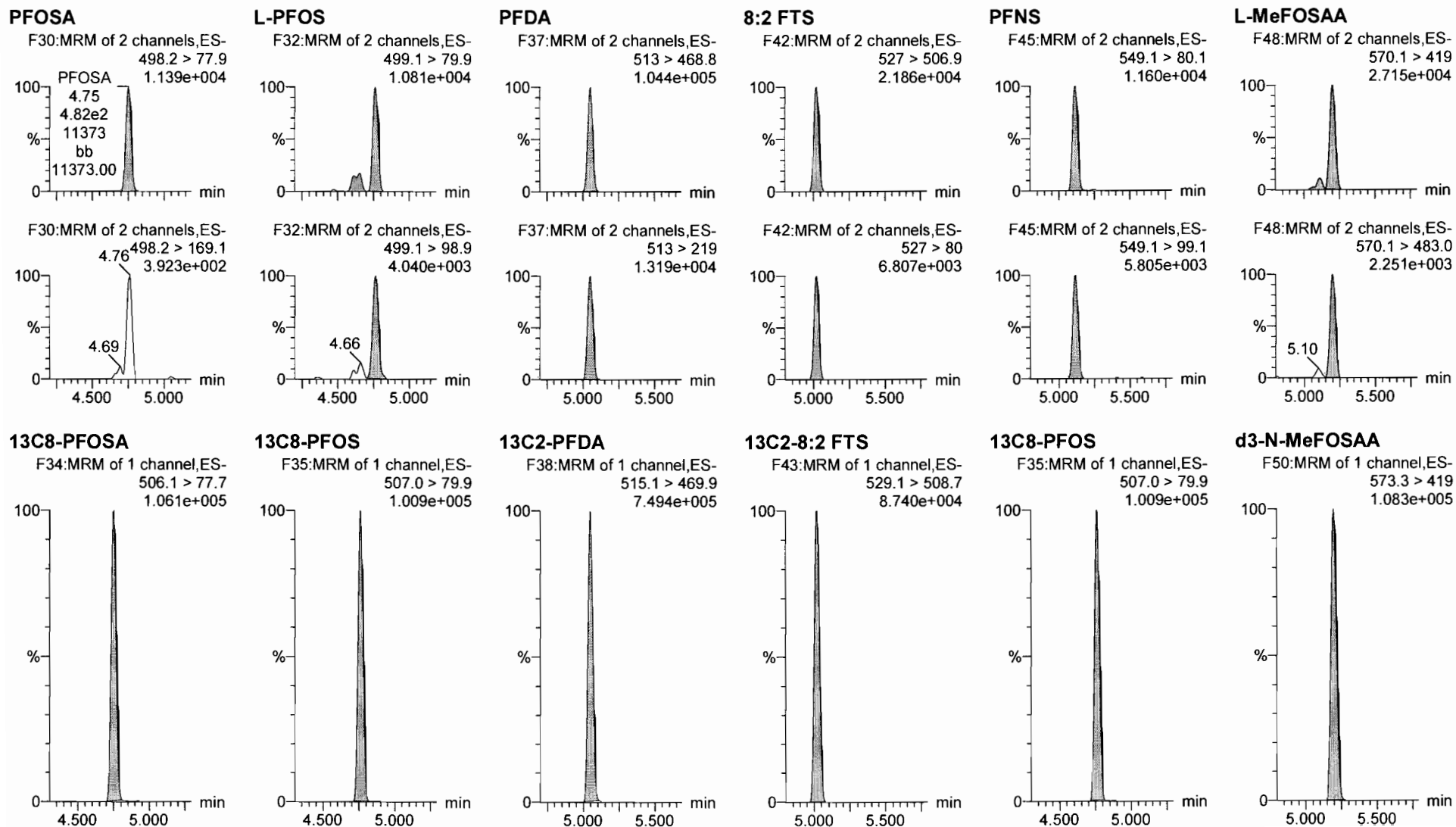
13C5-PFNA



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_5, Date: 03-Jun-2018, Time: 18:39:17, ID: ST180603M2-4 PFC CS1 18E2905, Description: PFC CS1 18E2905

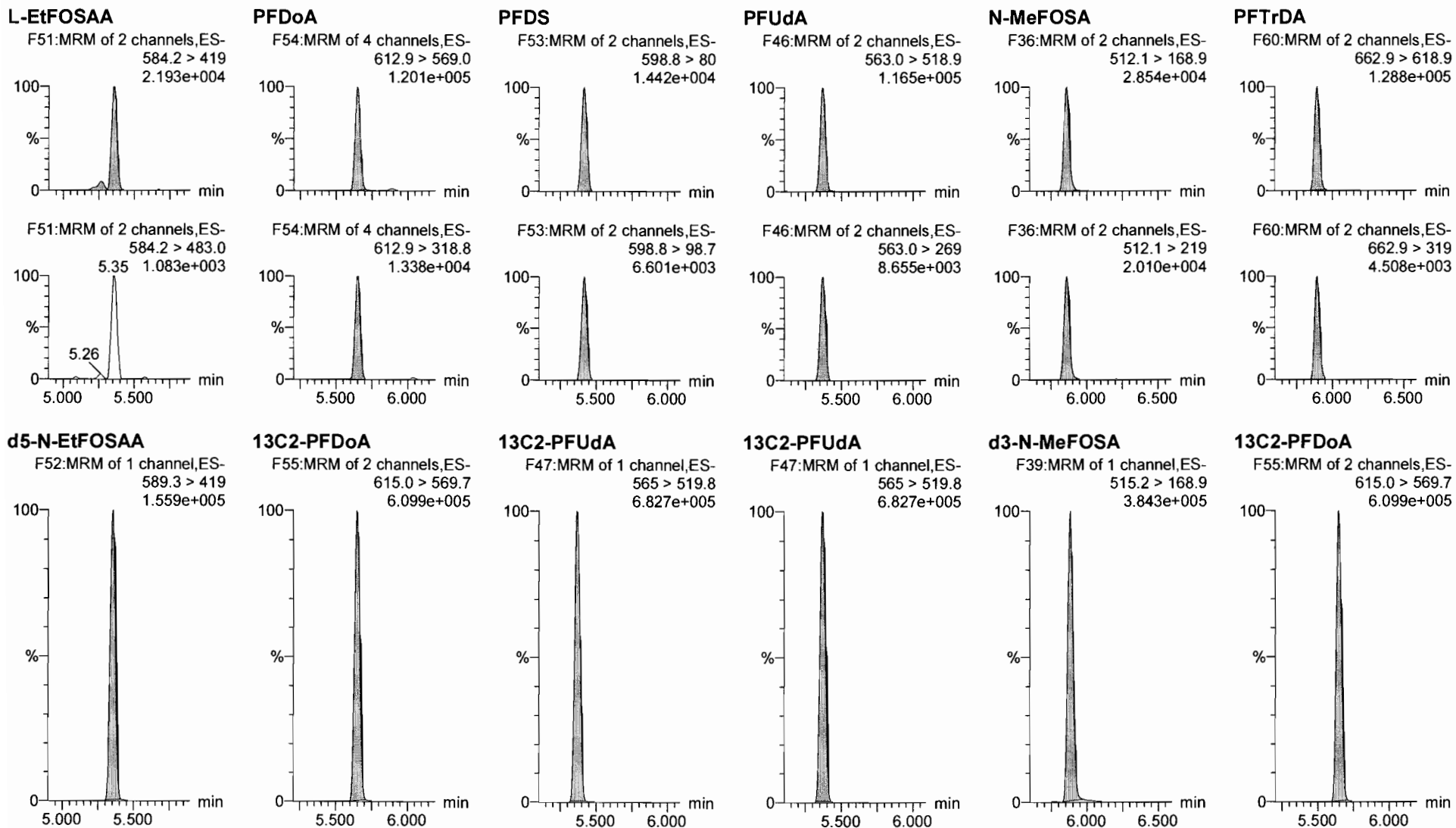


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Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_5, Date: 03-Jun-2018, Time: 18:39:17, ID: ST180603M2-4 PFC CS1 18E2905, Description: PFC CS1 18E2905



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

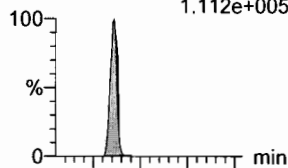
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

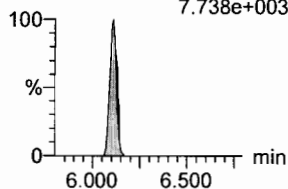
Name: 180603M2_5, Date: 03-Jun-2018, Time: 18:39:17, ID: ST180603M2-4 PFC CS1 18E2905, Description: PFC CS1 18E2905

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
1.112e+005

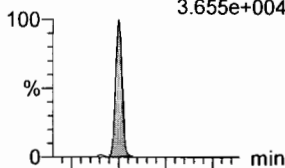


F61:MRM of 2 channels,ES-
712.9 > 369
7.738e+003

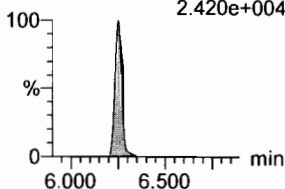


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
3.655e+004

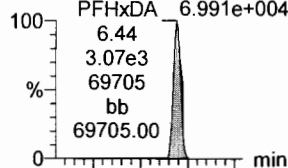


F41:MRM of 2 channels,ES-
526.1 > 219
2.420e+004

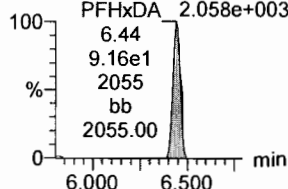


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
6.991e+004

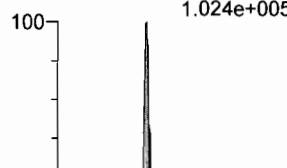


F63:MRM of 2 channels,ES-
813.1 > 219
2.058e+003



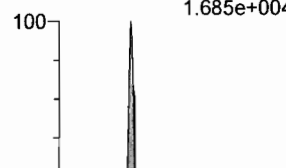
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
1.024e+005



N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
1.685e+004



N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
1.950e+004



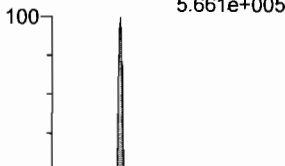
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
5.278e+005



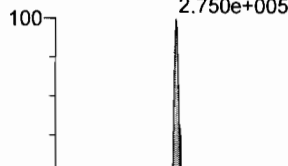
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
5.661e+005



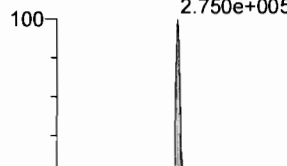
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.750e+005



13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.750e+005



d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.518e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.623e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

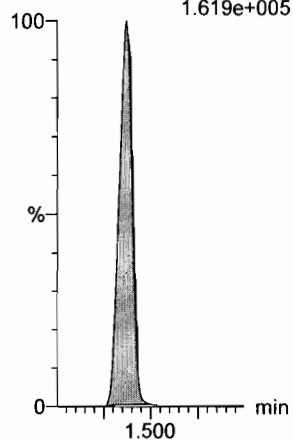
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_5, Date: 03-Jun-2018, Time: 18:39:17, ID: ST180603M2-4 PFC CS1 18E2905, Description: PFC CS1 18E2905

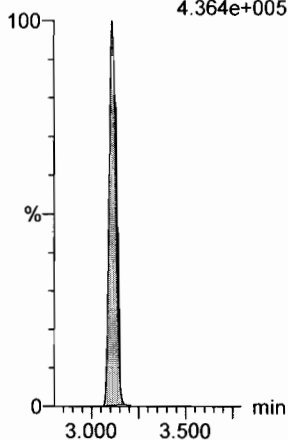
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.619e+005



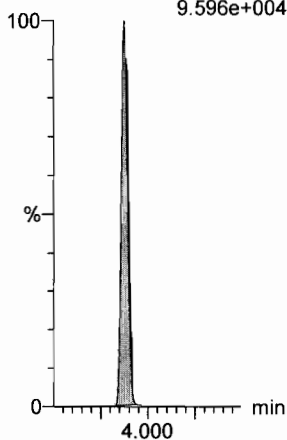
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.364e+005



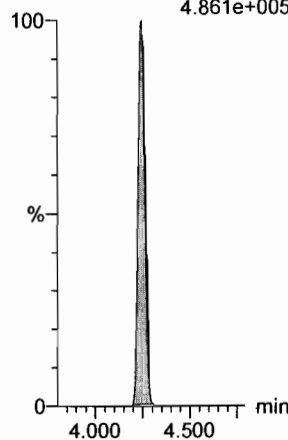
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
9.596e+004



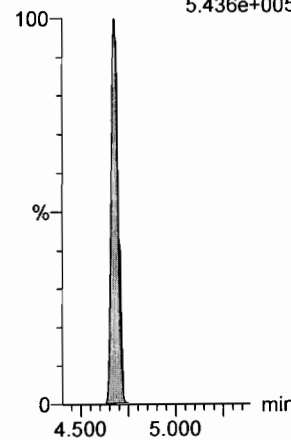
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
4.861e+005



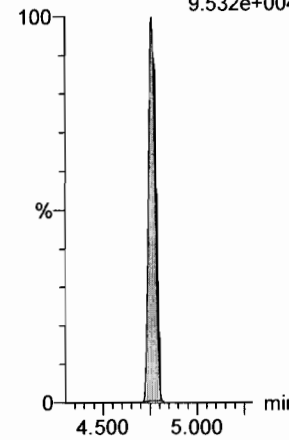
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.436e+005



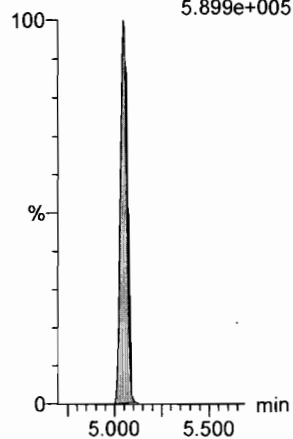
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
9.532e+004



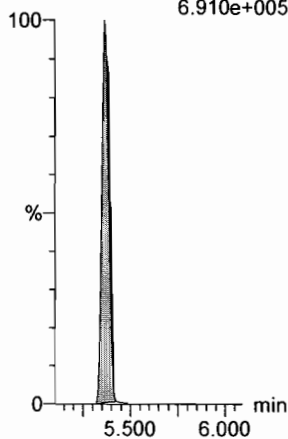
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.899e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.910e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

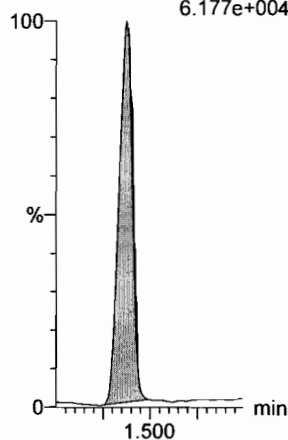
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_6, Date: 03-Jun-2018, Time: 18:49:42, ID: ST180603M2-5 PFC CS2 18E2906, Description: PFC CS2 18E2906

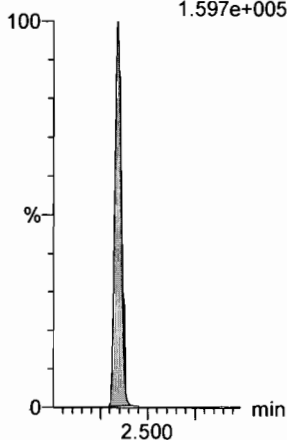
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
6.177e+004



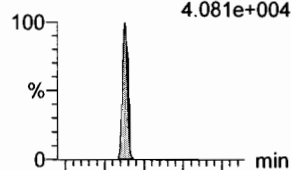
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
1.597e+005

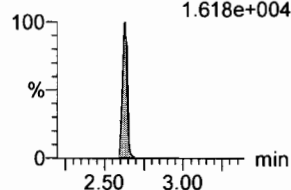


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
4.081e+004

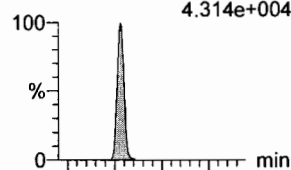


F7:MRM of 2 channels,ES-
299.0 > 99.0
1.618e+004

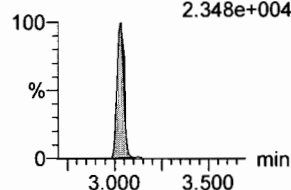


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
4.314e+004

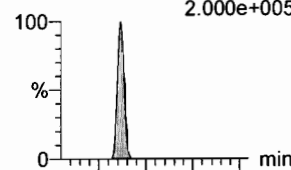


F12:MRM of 2 channels,ES-
327.2 > 81.1
2.348e+004

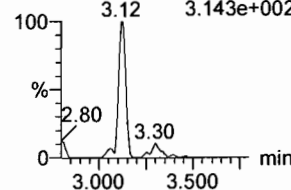


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
2.000e+005

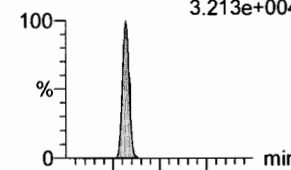


F9:MRM of 2 channels,ES-
313.2 > 119
3.143e+002

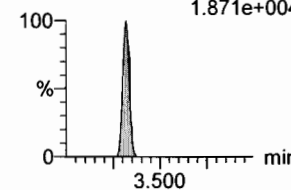


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
3.213e+004

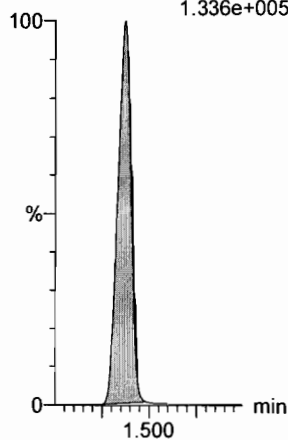


F15:MRM of 2 channels,ES-
349.1 > 99
1.871e+004



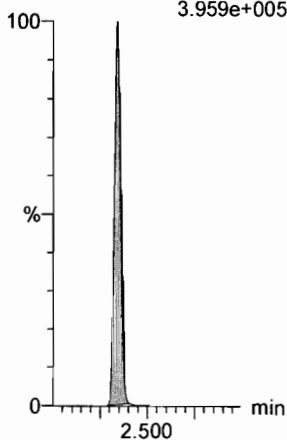
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
1.336e+005



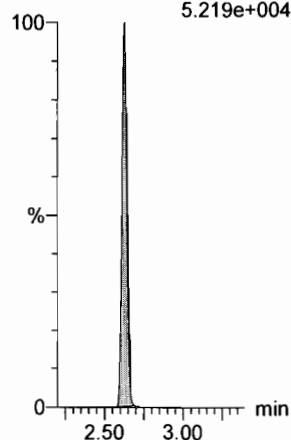
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
3.959e+005



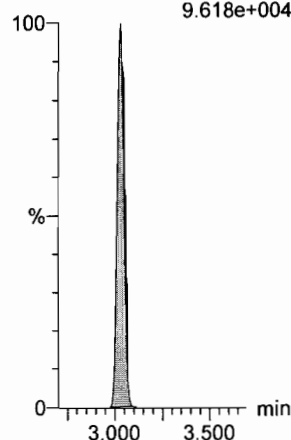
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
5.219e+004



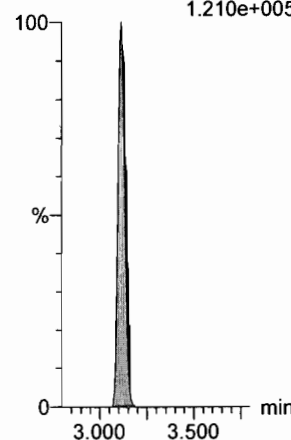
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
9.618e+004



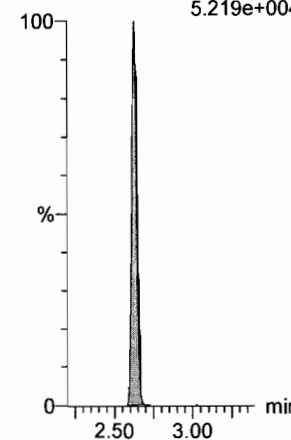
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
1.210e+005



13C3-PFBS

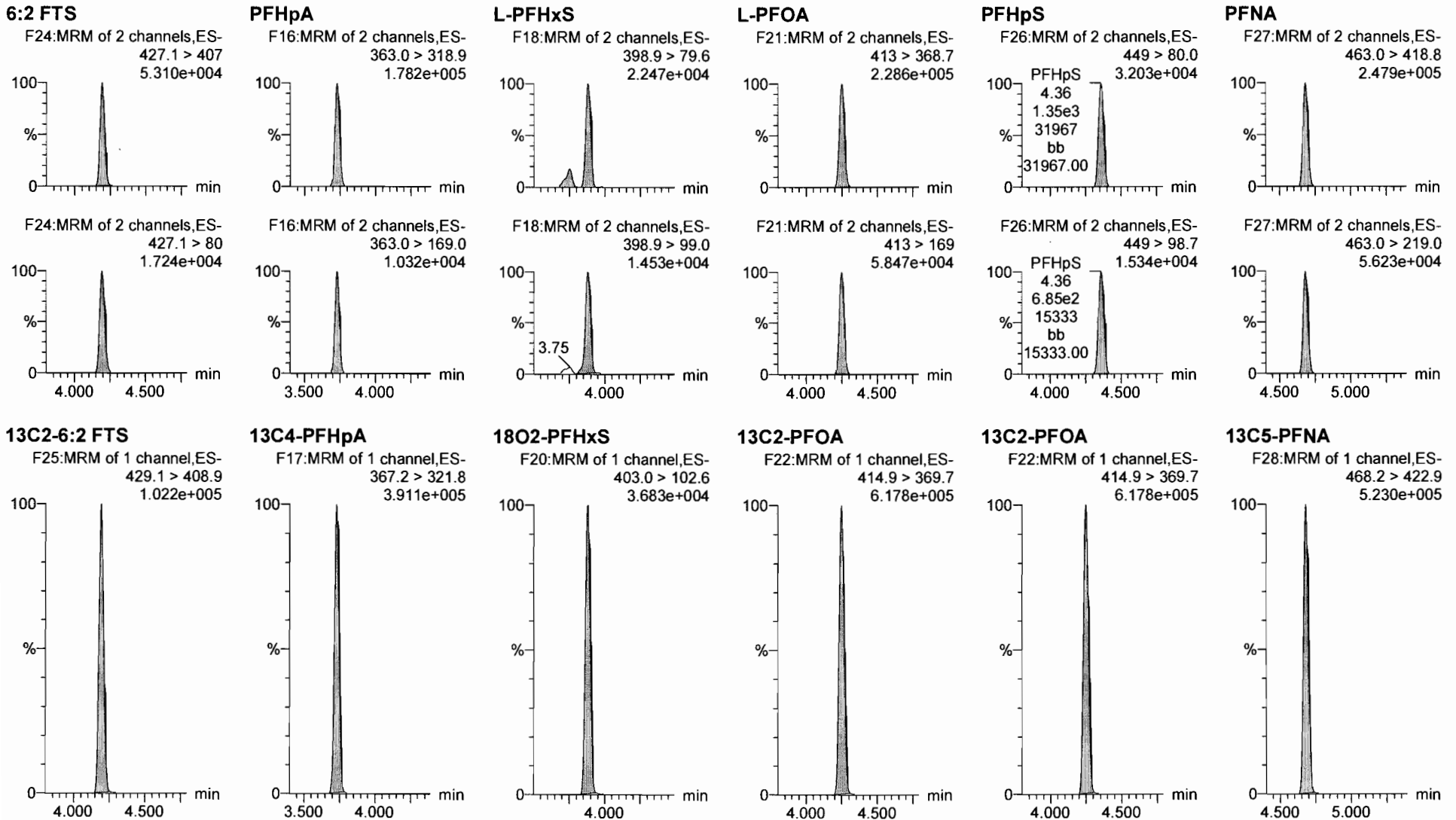
F8:MRM of 1 channel,ES-
302. > 98.8
5.219e+004



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time
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Name: 180603M2_6, Date: 03-Jun-2018, Time: 18:49:42, ID: ST180603M2-5 PFC CS2 18E2906, Description: PFC CS2 18E2906



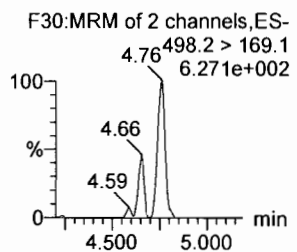
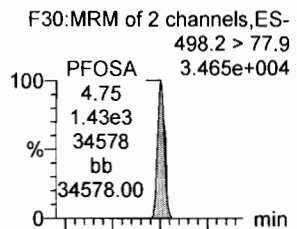
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Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

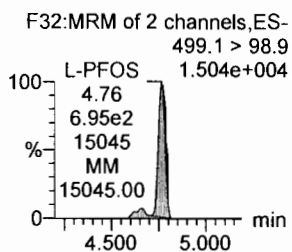
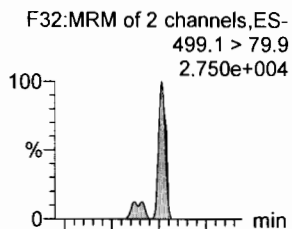
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Name: 180603M2_6, Date: 03-Jun-2018, Time: 18:49:42, ID: ST180603M2-5 PFC CS2 18E2906, Description: PFC CS2 18E2906

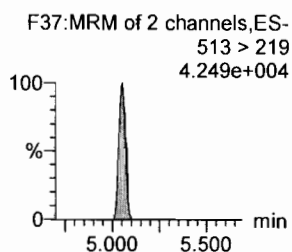
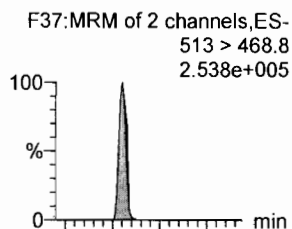
PFOSA



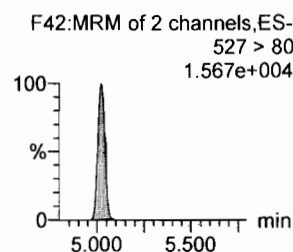
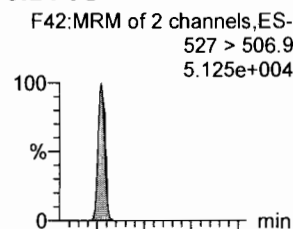
L-PFOS



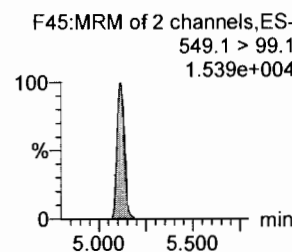
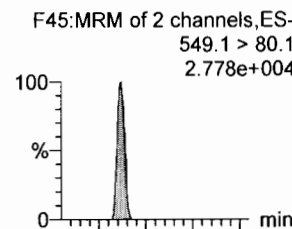
PFDA



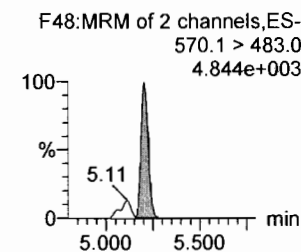
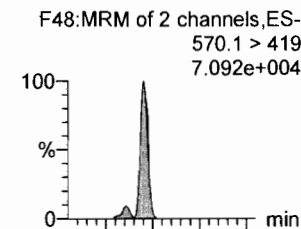
8:2 FTS



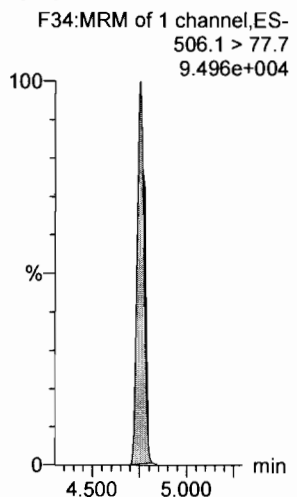
PFNS



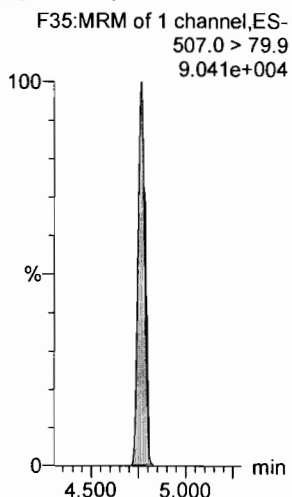
L-MeFOSAA



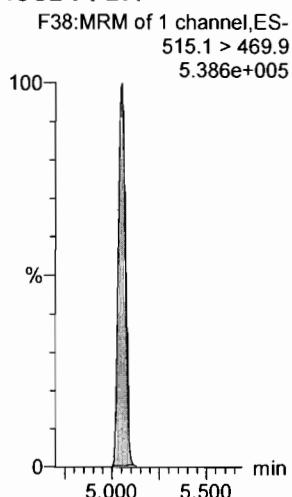
13C8-PFOA



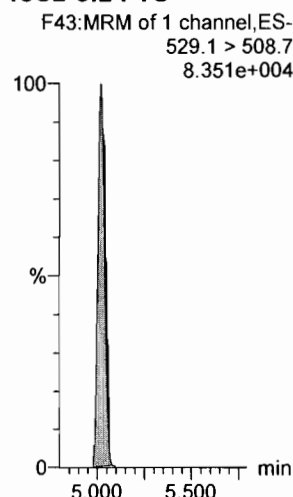
13C8-PFOS



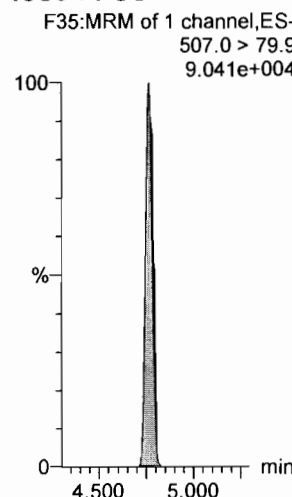
13C2-PFDA



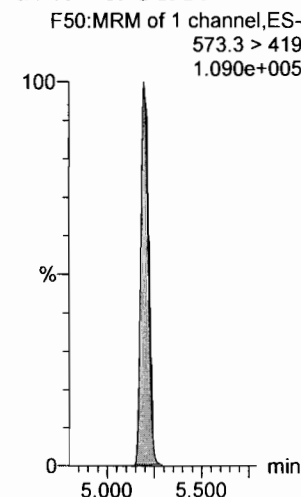
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

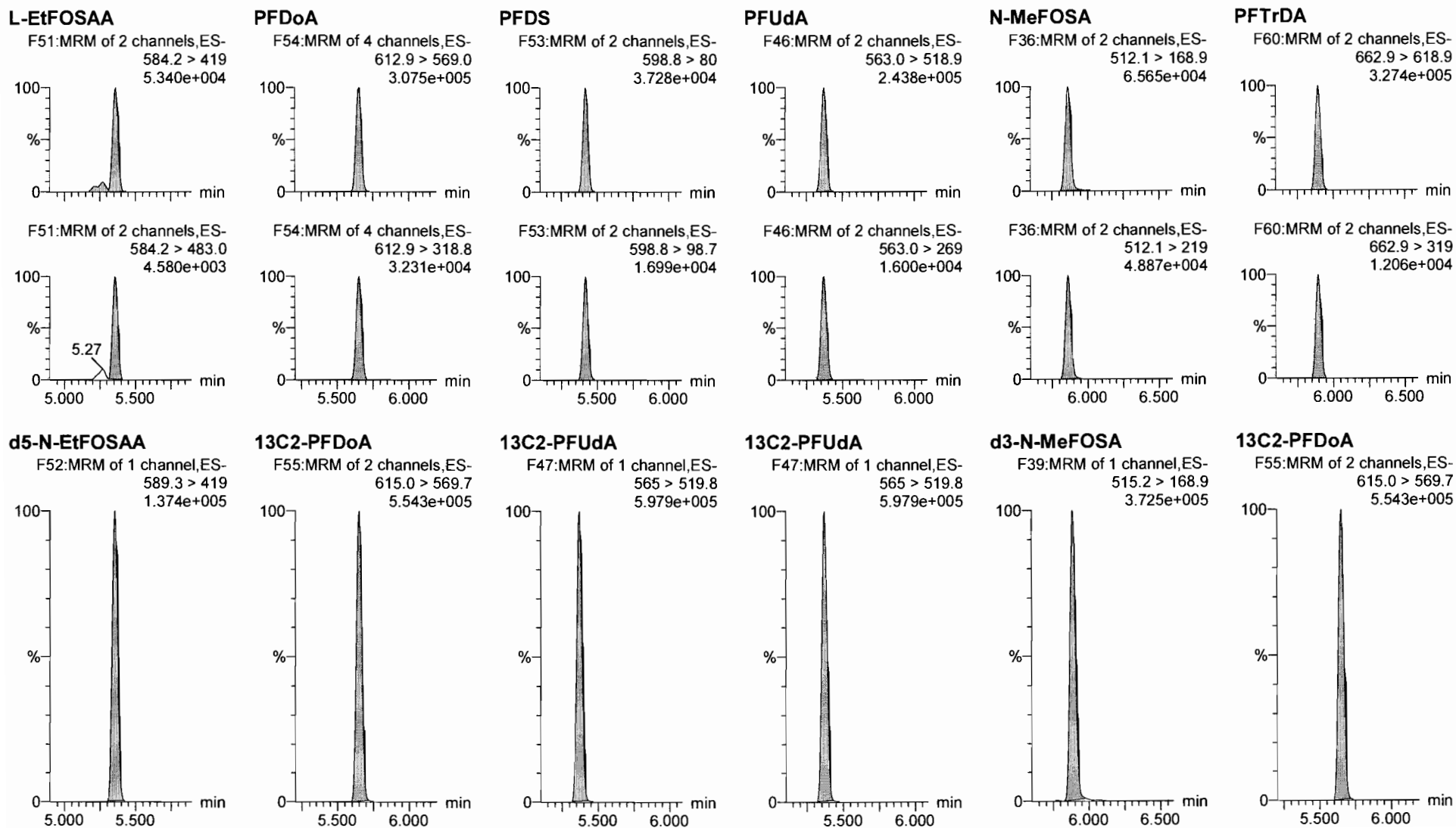


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_6, Date: 03-Jun-2018, Time: 18:49:42, ID: ST180603M2-5 PFC CS2 18E2906, Description: PFC CS2 18E2906



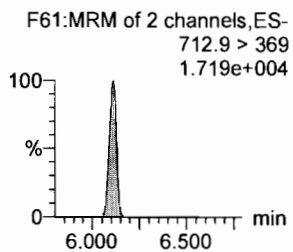
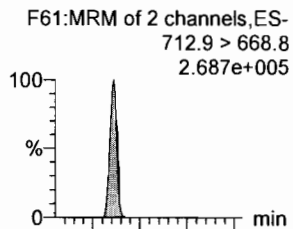
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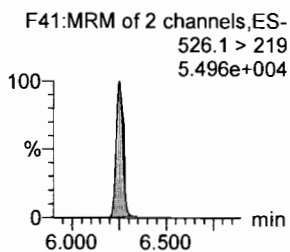
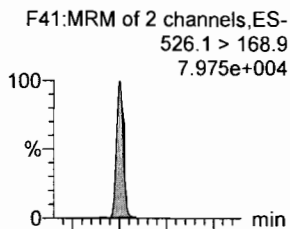
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Name: 180603M2_6, Date: 03-Jun-2018, Time: 18:49:42, ID: ST180603M2-5 PFC CS2 18E2906, Description: PFC CS2 18E2906

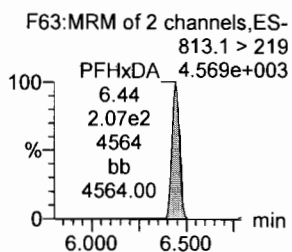
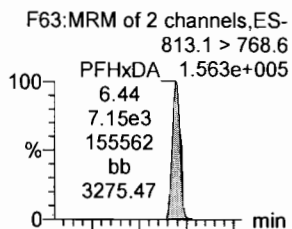
PFTeDA



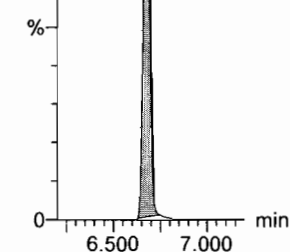
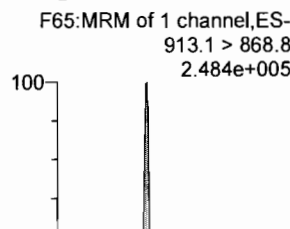
N-EtFOSA



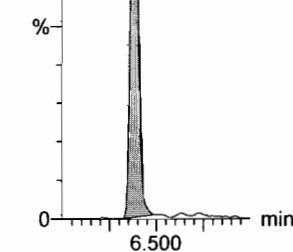
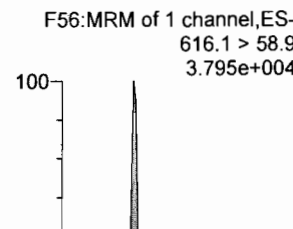
PFHxDA



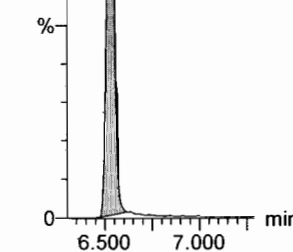
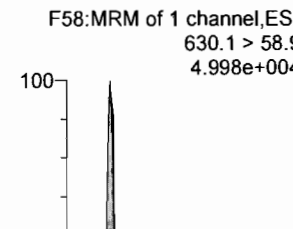
PFODA



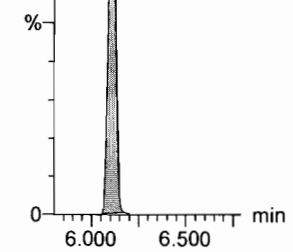
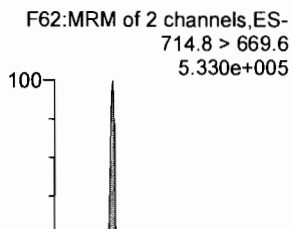
N-MeFOSE



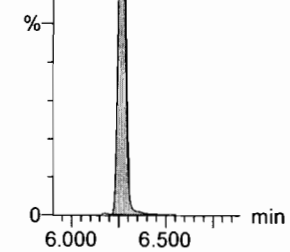
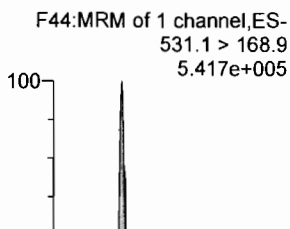
N-EtFOSE



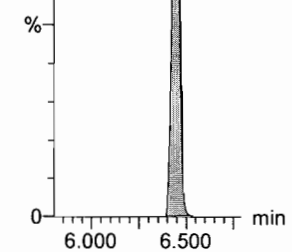
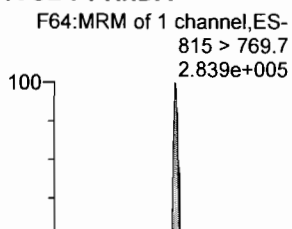
13C2-PFTeDA



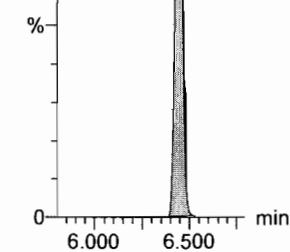
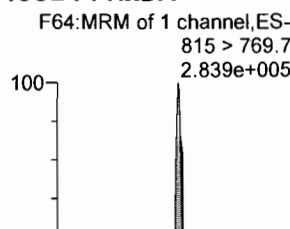
d5-N-ETFOSA



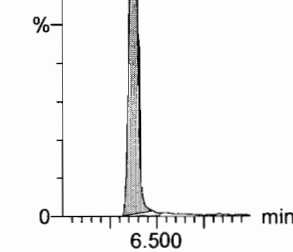
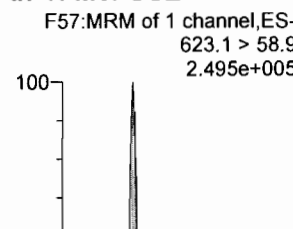
13C2-PFHxDA



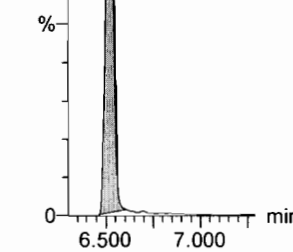
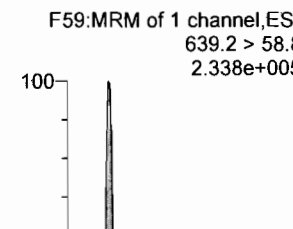
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

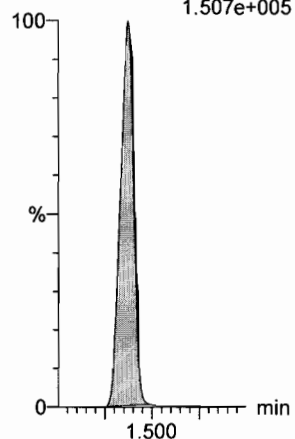
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_6, Date: 03-Jun-2018, Time: 18:49:42, ID: ST180603M2-5 PFC CS2 18E2906, Description: PFC CS2 18E2906

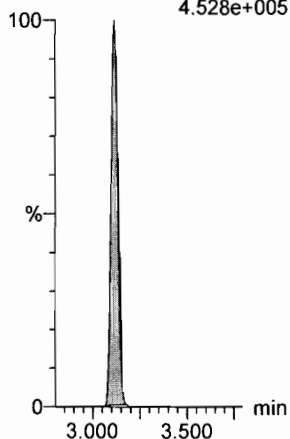
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.507e+005



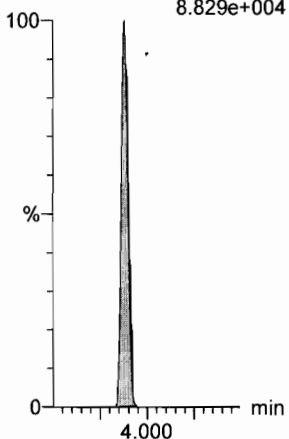
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.528e+005



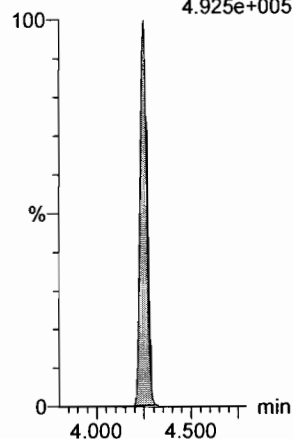
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
8.829e+004



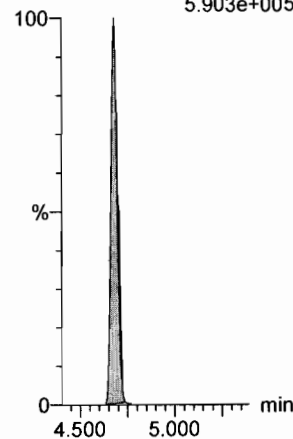
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
4.925e+005



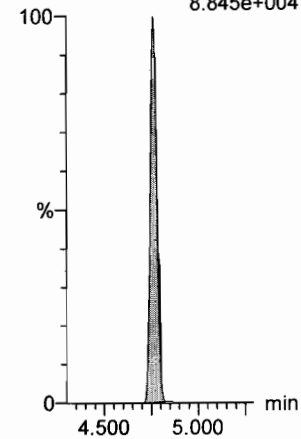
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.903e+005



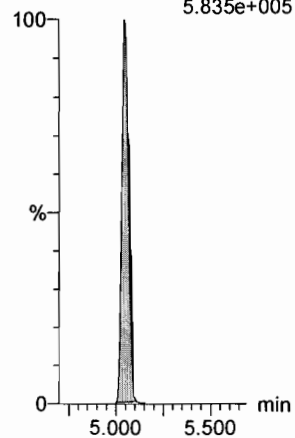
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.845e+004



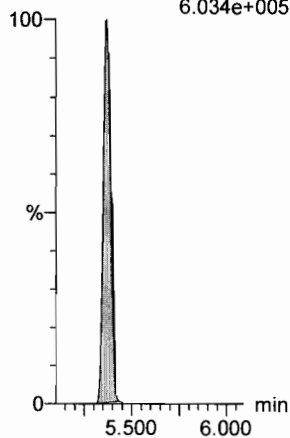
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.835e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.034e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

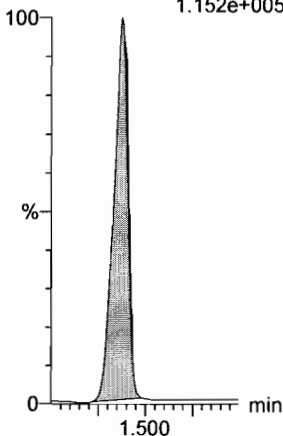
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_7, Date: 03-Jun-2018, Time: 19:00:12, ID: ST180603M2-6 PFC CS3 18E2907, Description: PFC CS3 18E2907

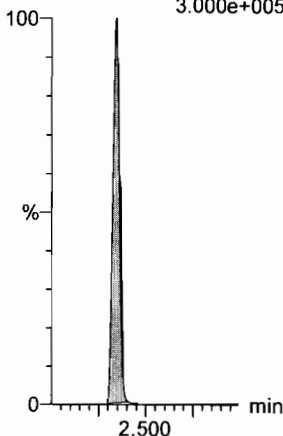
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
1.152e+005



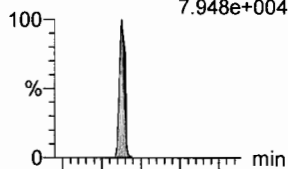
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
3.000e+005

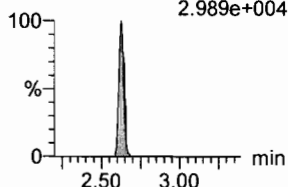


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
7.948e+004

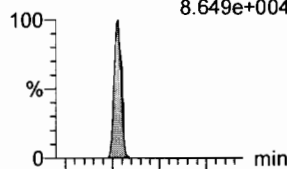


F7:MRM of 2 channels,ES-
299.0 > 99.0
2.989e+004

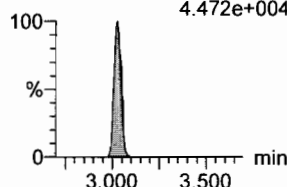


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
8.649e+004

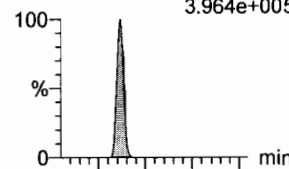


F12:MRM of 2 channels,ES-
327.2 > 81.1
4.472e+004

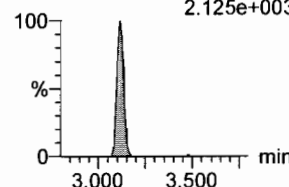


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
3.964e+005

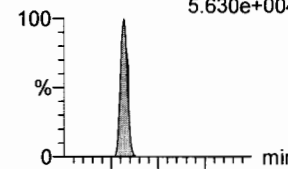


F9:MRM of 2 channels,ES-
313.2 > 119
2.125e+003

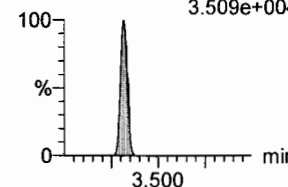


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
5.630e+004

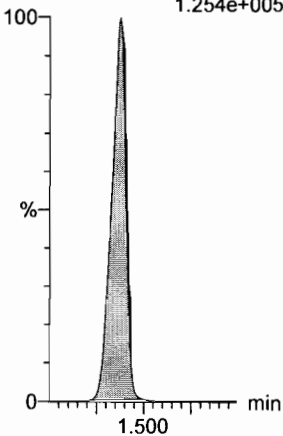


F15:MRM of 2 channels,ES-
349.1 > 99
3.509e+004



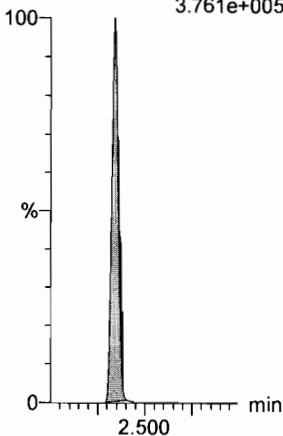
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
1.254e+005



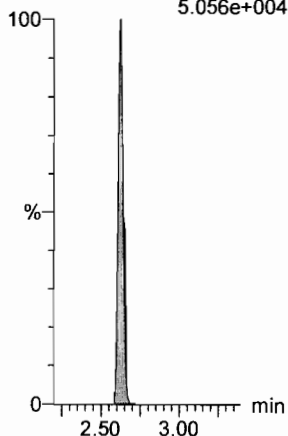
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
3.761e+005



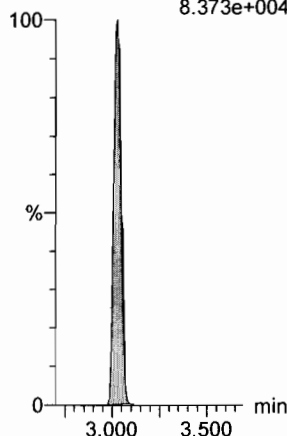
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
5.056e+004



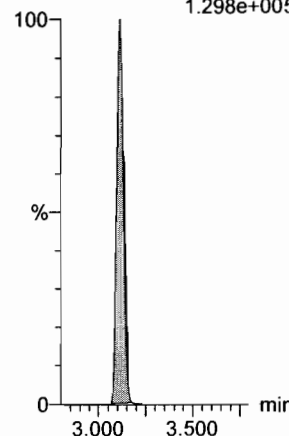
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
8.373e+004



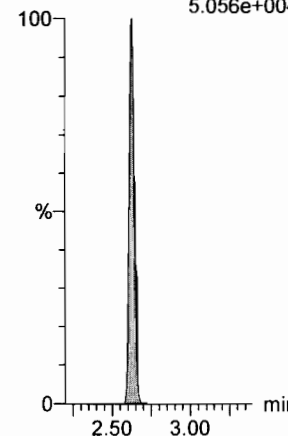
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
1.298e+005



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
5.056e+004



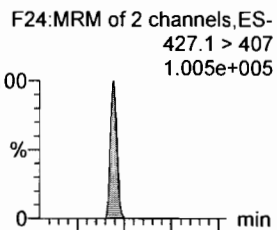
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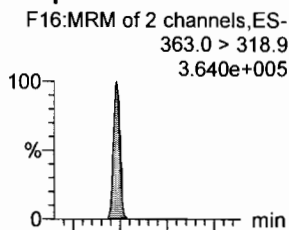
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Name: 180603M2_7, Date: 03-Jun-2018, Time: 19:00:12, ID: ST180603M2-6 PFC CS3 18E2907, Description: PFC CS3 18E2907

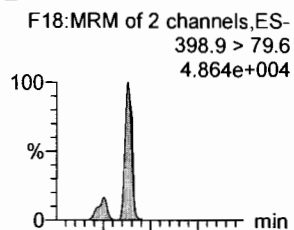
6:2 FTS



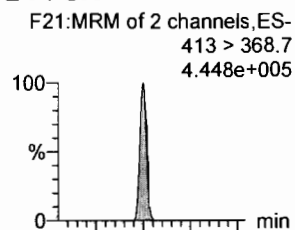
PFHpA



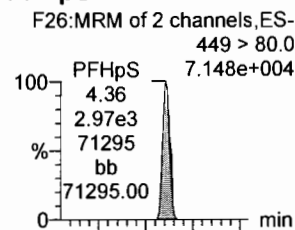
L-PFHxS



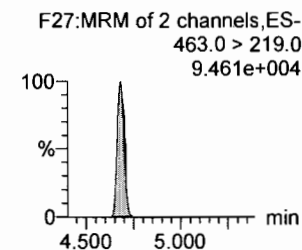
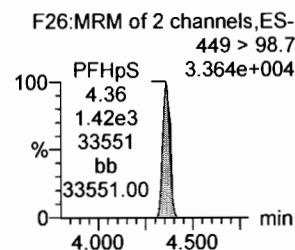
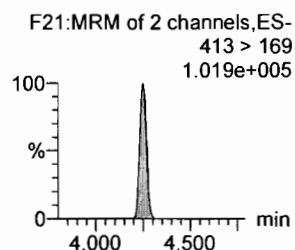
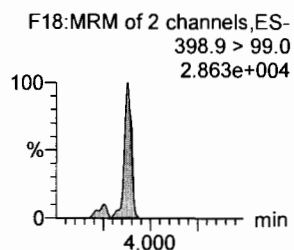
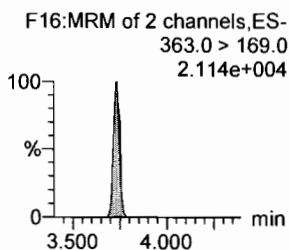
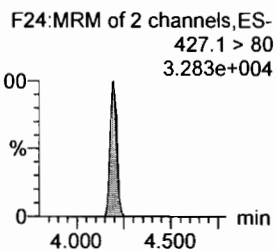
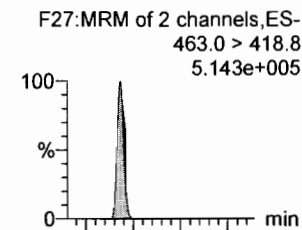
L-PFOA



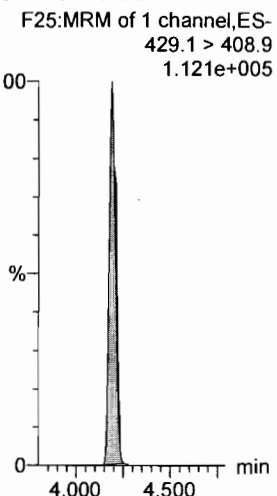
PFHpS



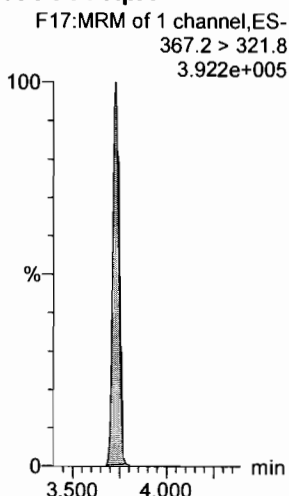
PFNA



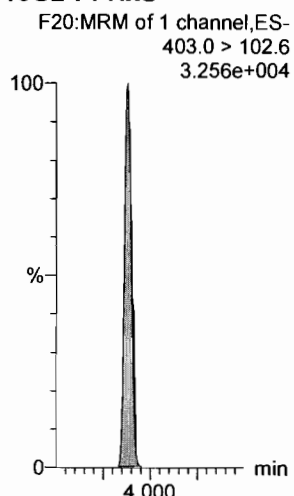
13C2-6:2 FTS



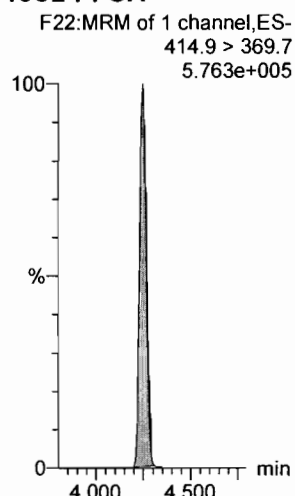
13C4-PFHpA



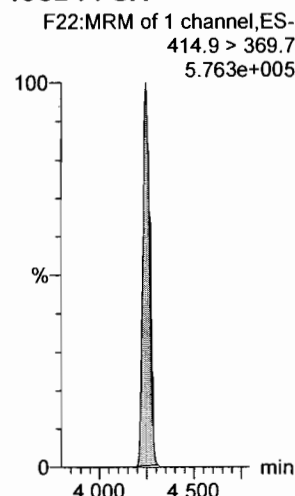
18O2-PFHxS



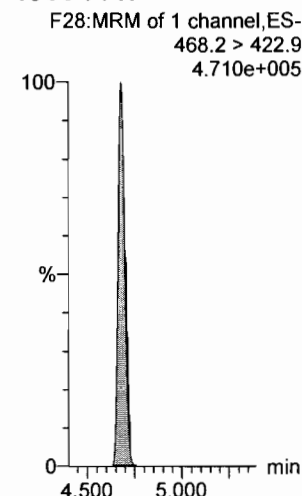
13C2-PFOA



13C2-PFOA



13C5-PFNA



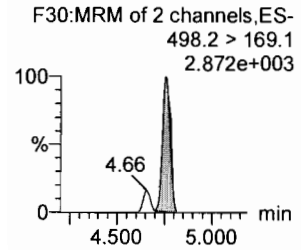
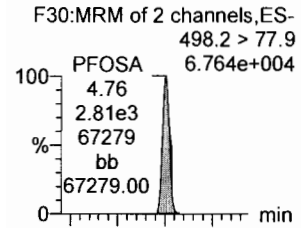
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Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

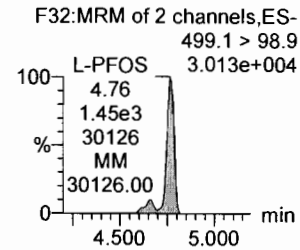
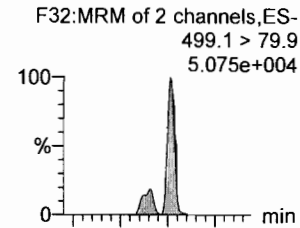
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Name: 180603M2_7, Date: 03-Jun-2018, Time: 19:00:12, ID: ST180603M2-6 PFC CS3 18E2907, Description: PFC CS3 18E2907

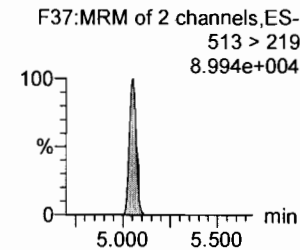
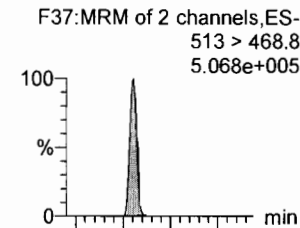
PFOSA



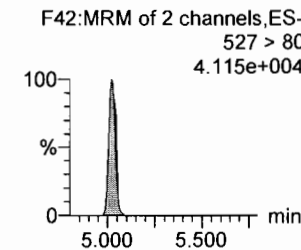
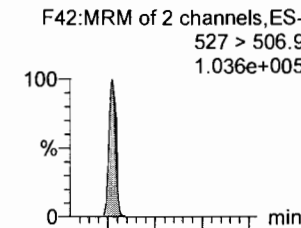
L-PFOS



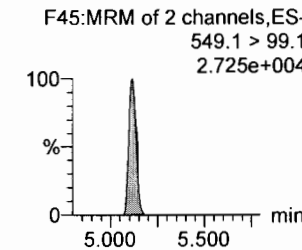
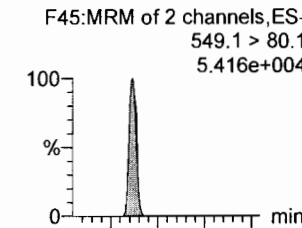
PFDA



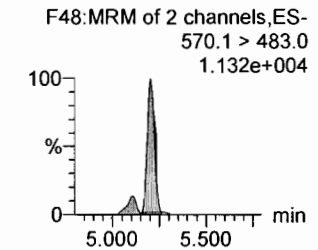
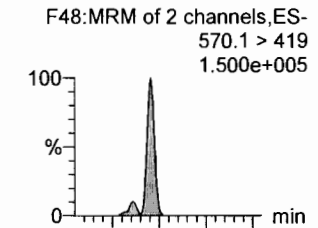
8:2 FTS



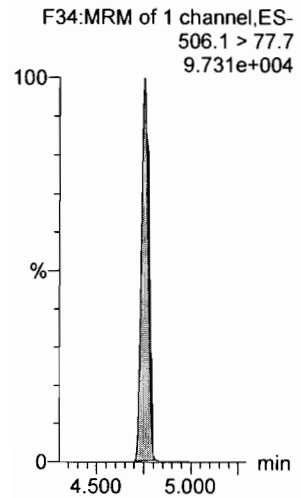
PFNS



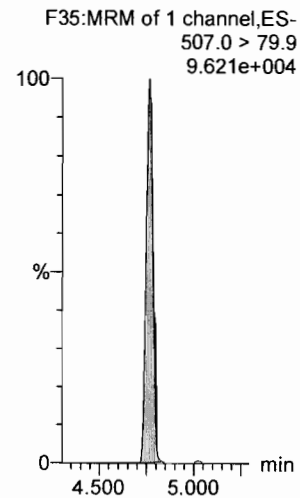
L-MeFOSAA



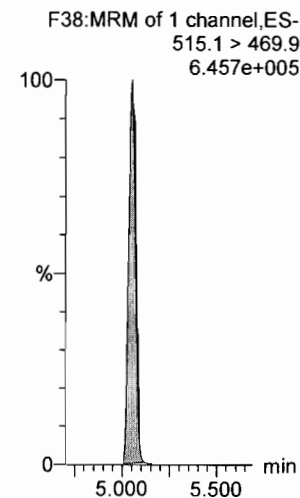
13C8-PFOSA



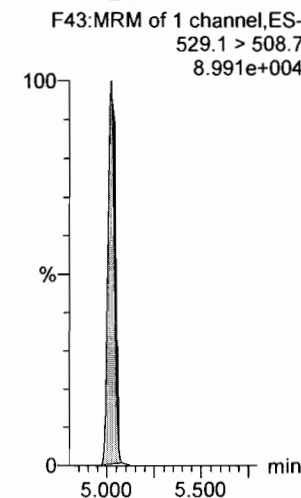
13C8-PFOS



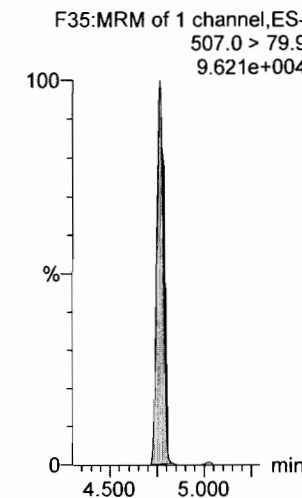
13C2-PFDA



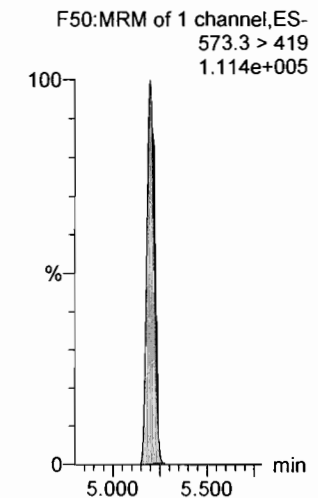
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



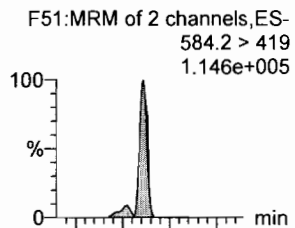
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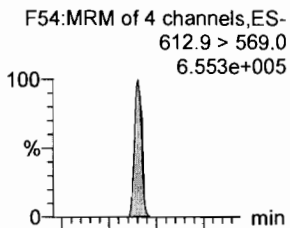
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Name: 180603M2_7, Date: 03-Jun-2018, Time: 19:00:12, ID: ST180603M2-6 PFC CS3 18E2907, Description: PFC CS3 18E2907

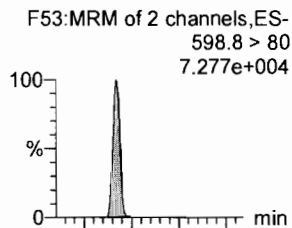
L-EtFOSAA



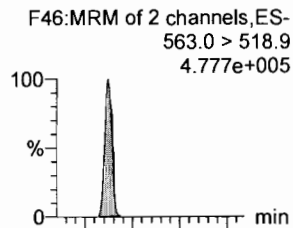
PFDoA



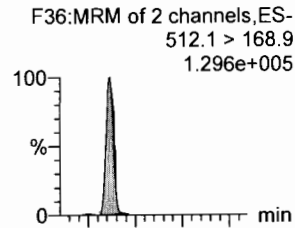
PFDS



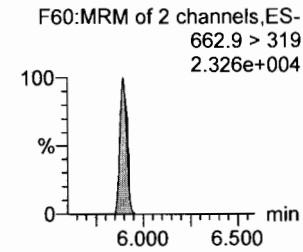
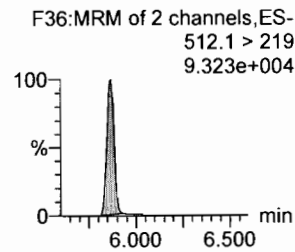
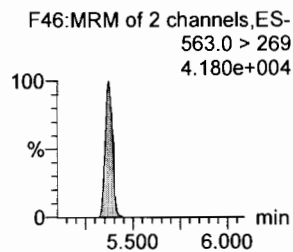
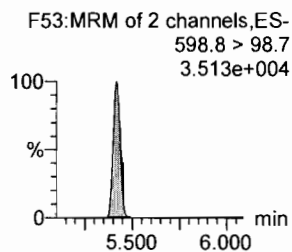
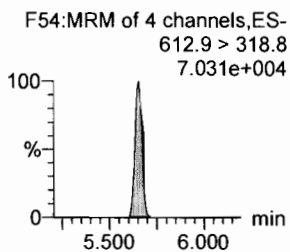
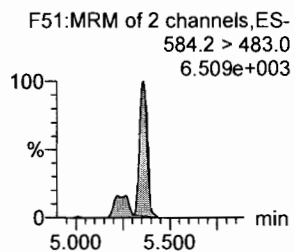
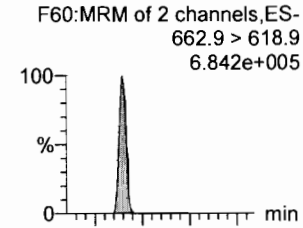
PFUdA



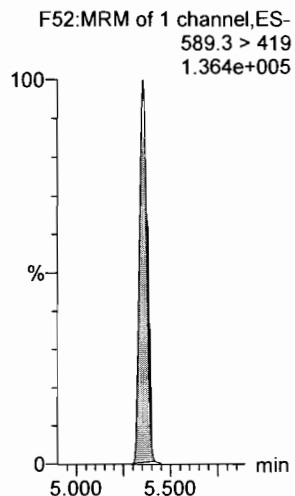
N-MeFOSA



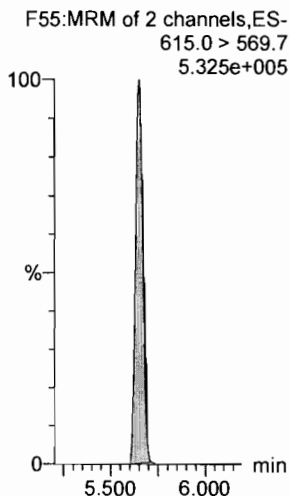
PFTrDA



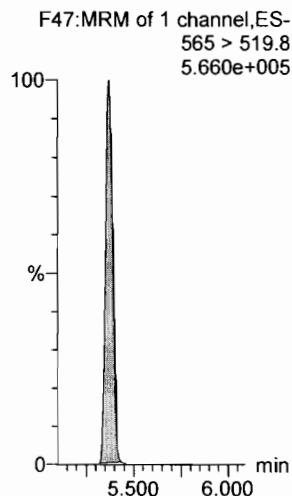
d5-N-EtFOSAA



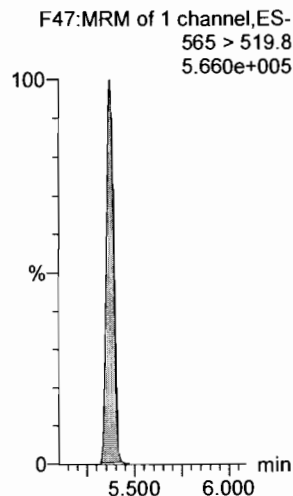
13C2-PFDoA



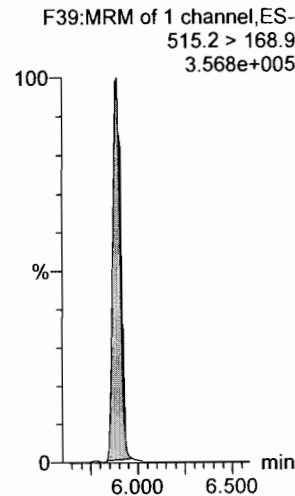
13C2-PFUdA



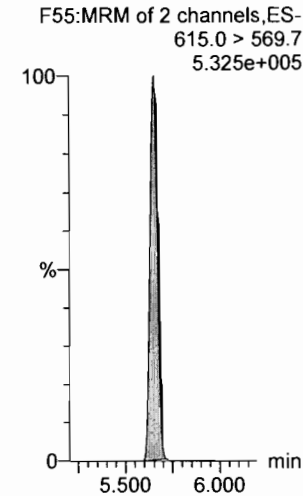
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



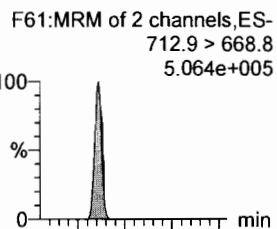
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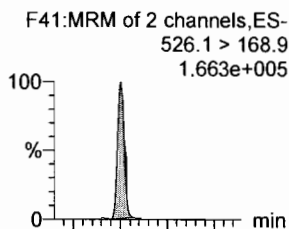
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Name: 180603M2_7, Date: 03-Jun-2018, Time: 19:00:12, ID: ST180603M2-6 PFC CS3 18E2907, Description: PFC CS3 18E2907

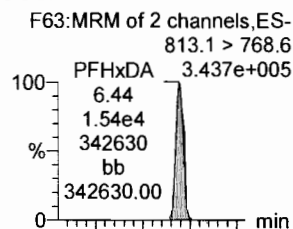
PFTeDA



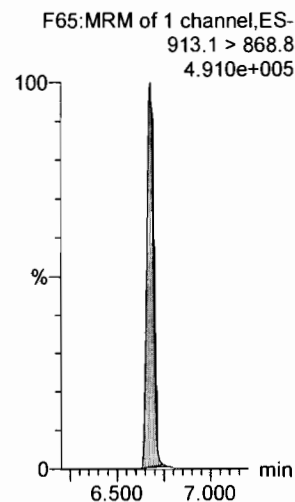
N-EtFOSEA



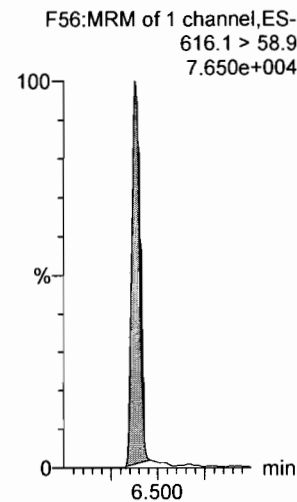
PFHxDA



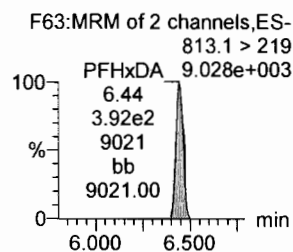
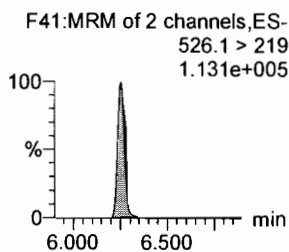
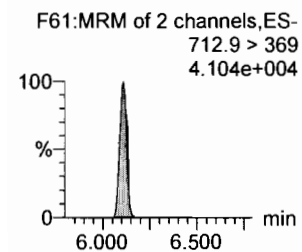
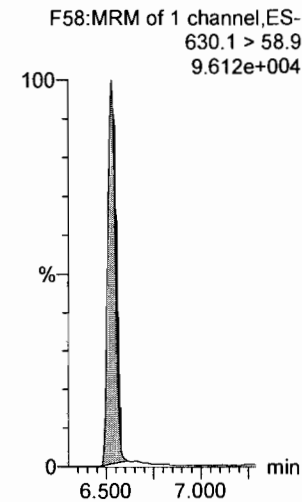
PFODA



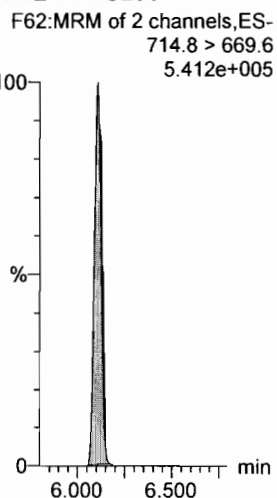
N-MeFOSE



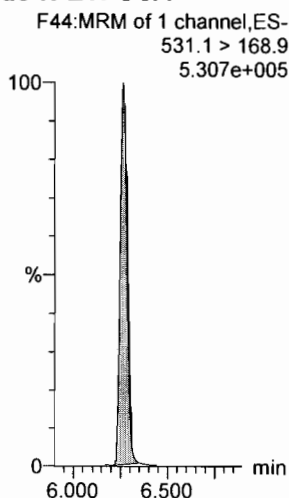
N-EtFOSE



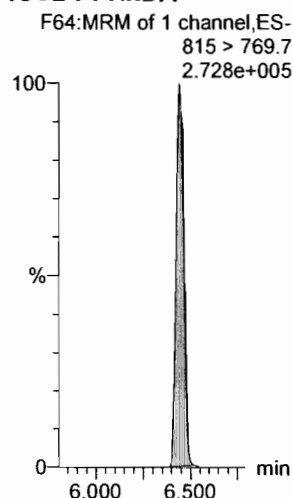
13C2-PFTeDA



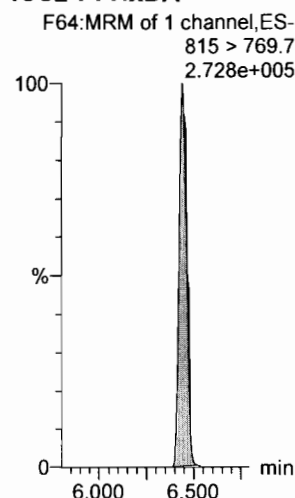
d5-N-ETFOSEA



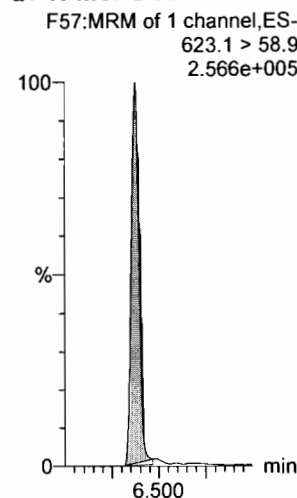
13C2-PFHxDA



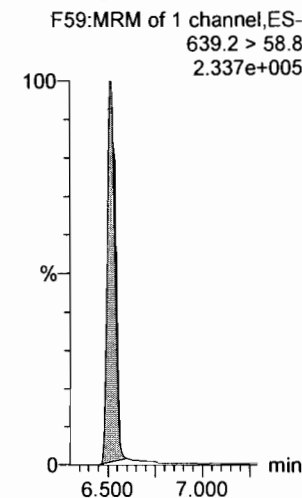
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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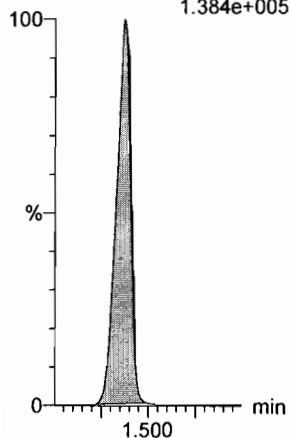
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Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_7, Date: 03-Jun-2018, Time: 19:00:12, ID: ST180603M2-6 PFC CS3 18E2907, Description: PFC CS3 18E2907

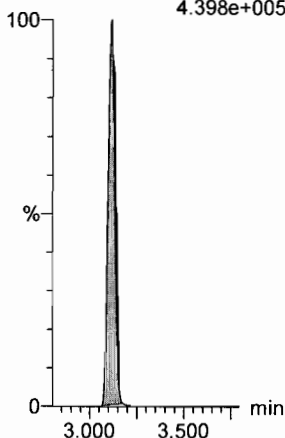
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.384e+005



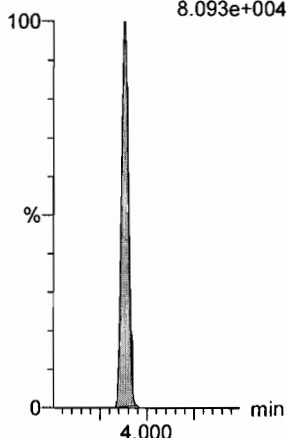
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.398e+005



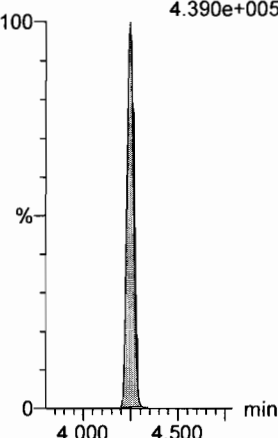
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
8.093e+004



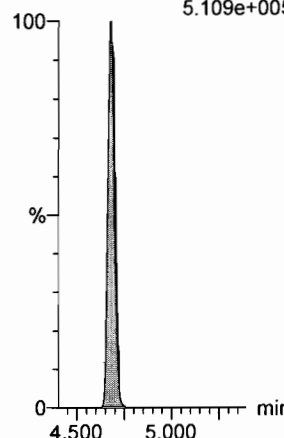
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
4.390e+005



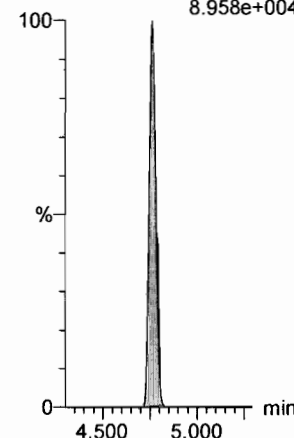
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.109e+005



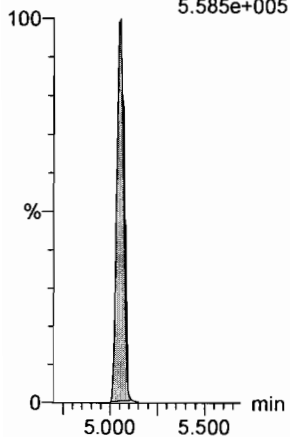
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.958e+004



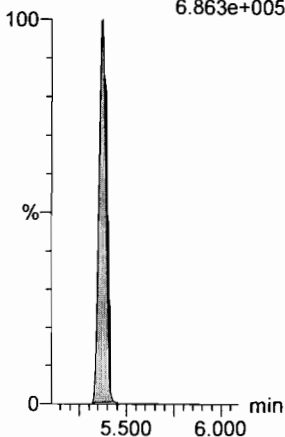
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.585e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.863e+005



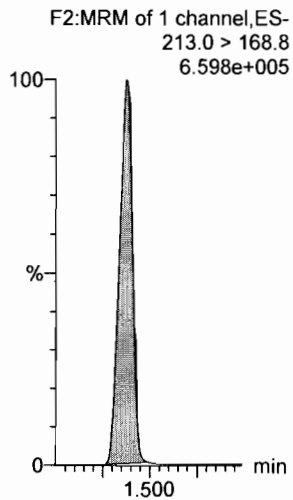
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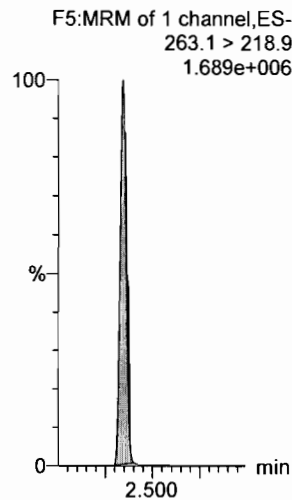
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Name: 180603M2_8, Date: 03-Jun-2018, Time: 19:10:37, ID: ST180603M2-7 PFC CS4 18E2908, Description: PFC CS4 18E2908

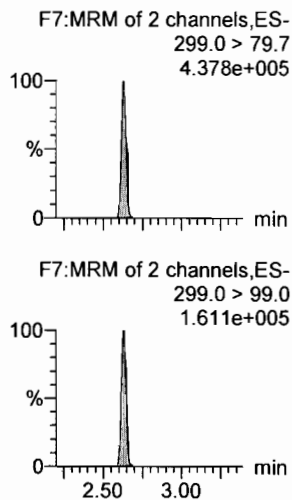
PFBA



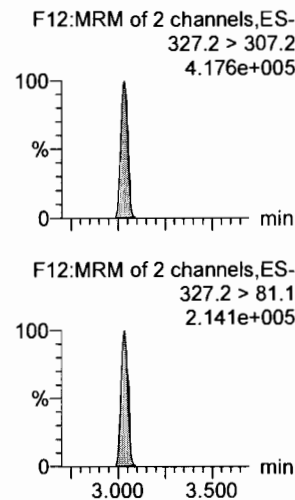
PFPeA



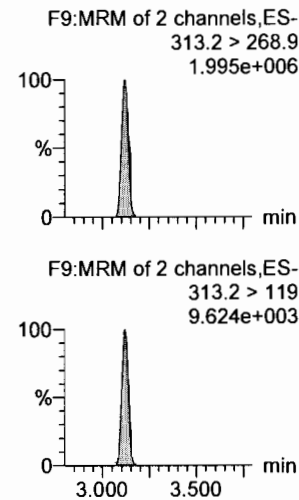
PFBS



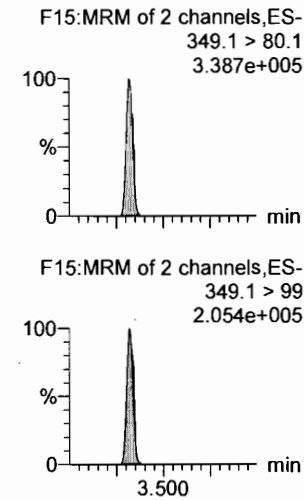
4:2 FTS



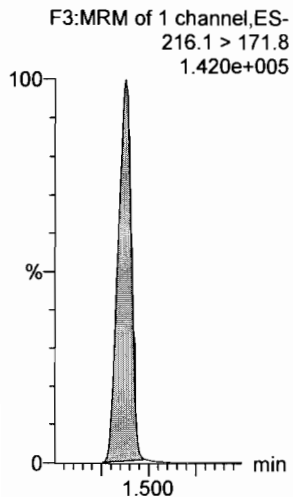
PFHxA



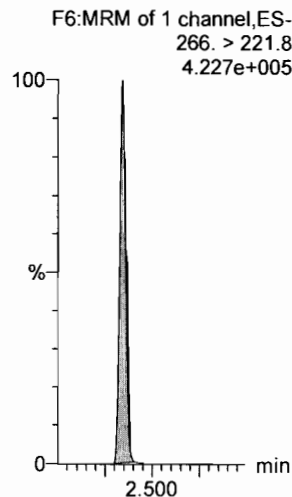
PFPeS



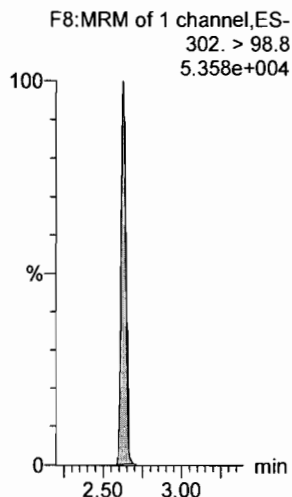
13C3-PFBA



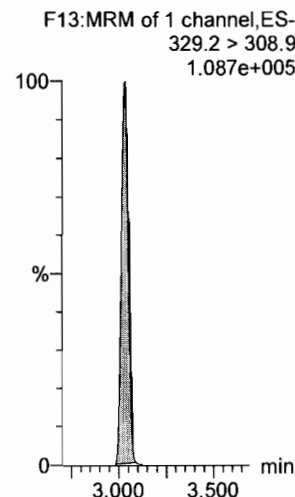
13C3-PFPeA



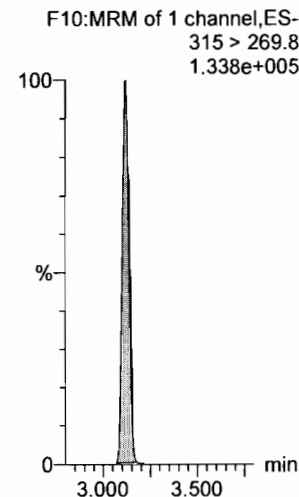
13C3-PFBS



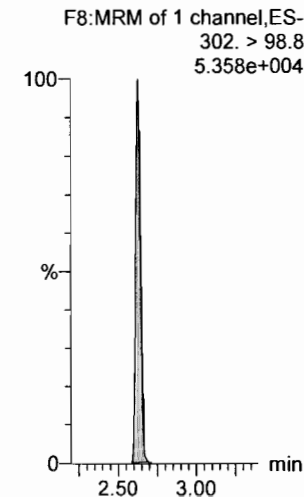
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



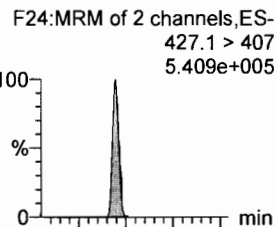
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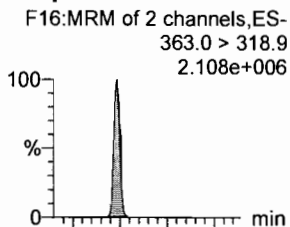
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Name: 180603M2_8, Date: 03-Jun-2018, Time: 19:10:37, ID: ST180603M2-7 PFC CS4 18E2908, Description: PFC CS4 18E2908

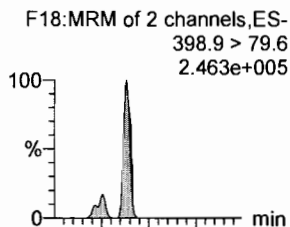
6:2 FTS



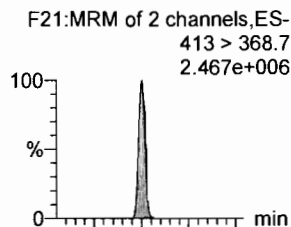
PFHpA



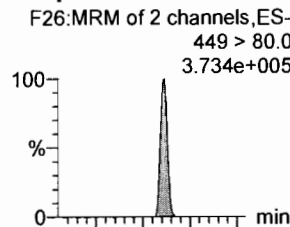
L-PFHxS



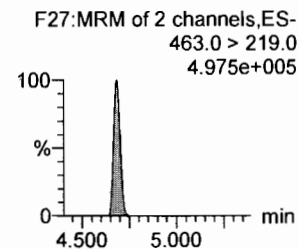
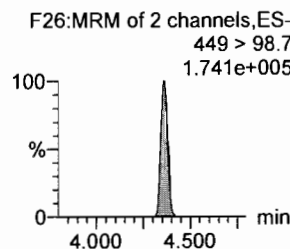
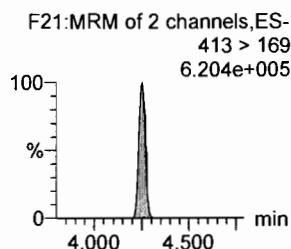
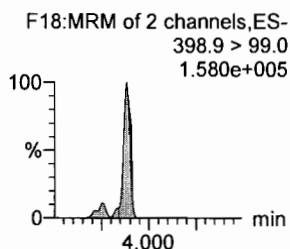
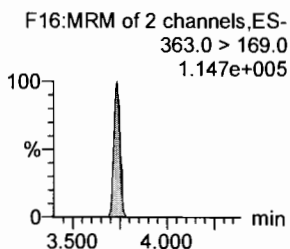
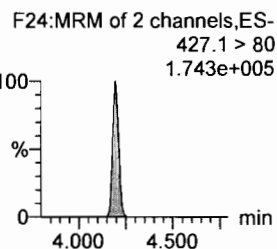
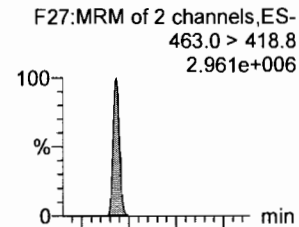
L-PFOA



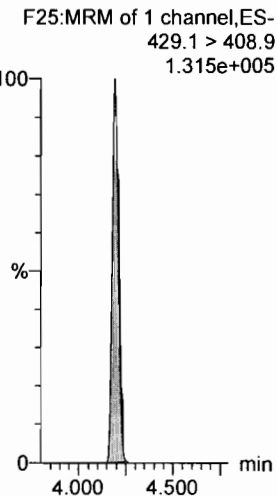
PFHpS



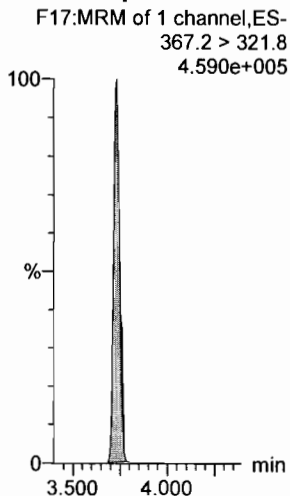
PFNA



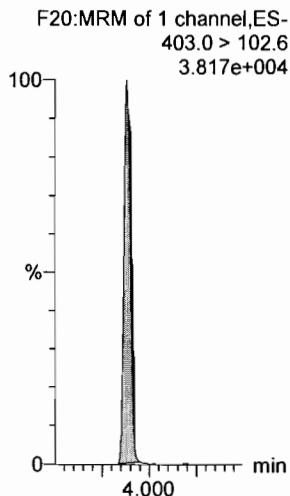
13C2-6:2 FTS



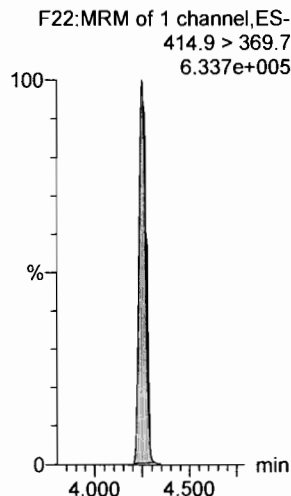
13C4-PFHpA



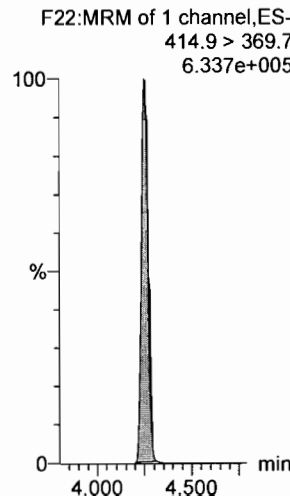
18O2-PFHxS



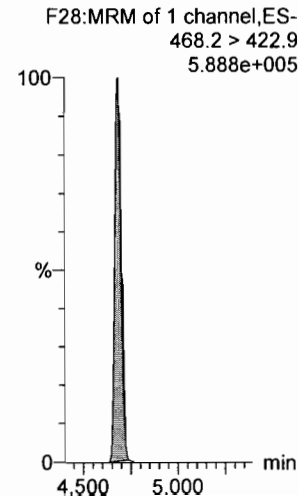
13C2-PFOA



13C2-PFOA



13C5-PFNA



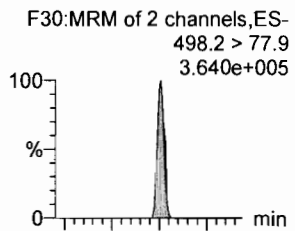
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Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

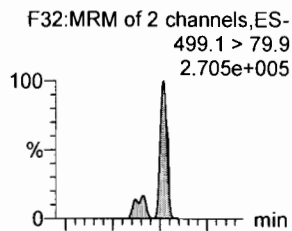
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_8, Date: 03-Jun-2018, Time: 19:10:37, ID: ST180603M2-7 PFC CS4 18E2908, Description: PFC CS4 18E2908

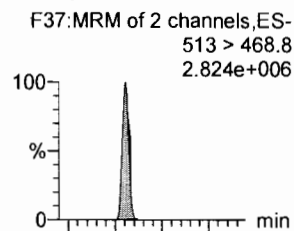
PFOSA



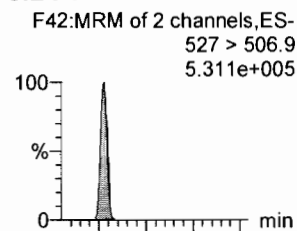
L-PFOS



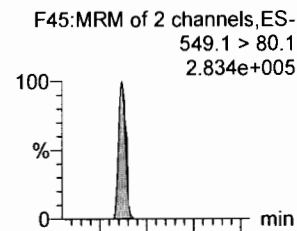
PFDA



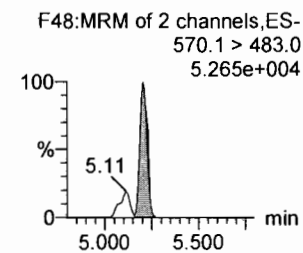
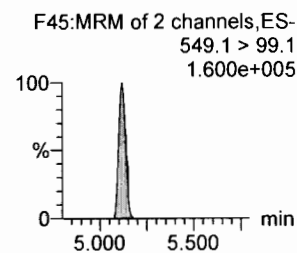
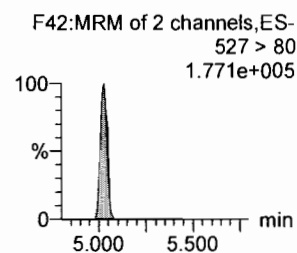
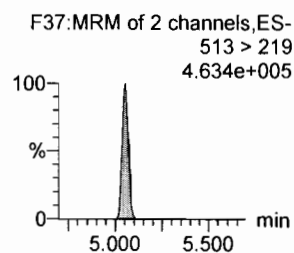
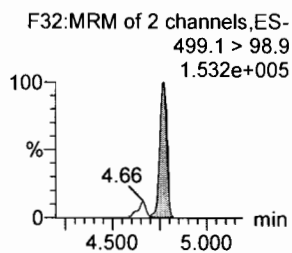
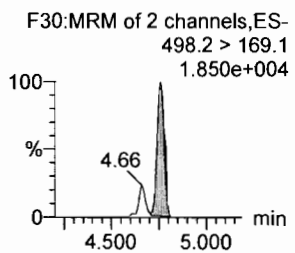
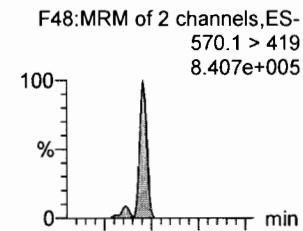
8:2 FTS



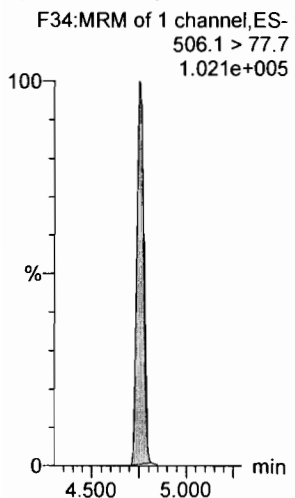
PFNS



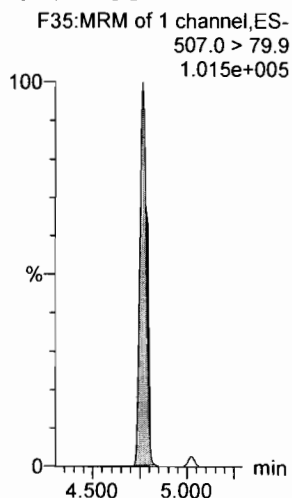
L-MeFOSAA



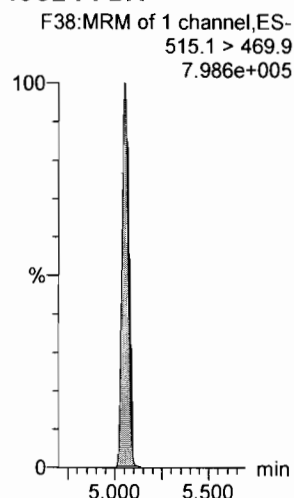
13C8-PFOA



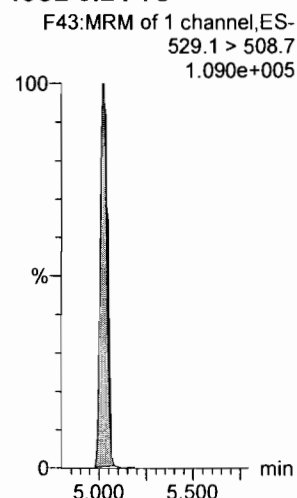
13C8-PFOS



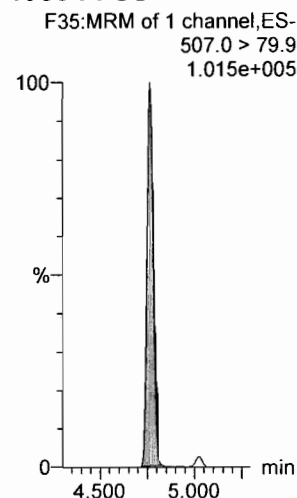
13C2-PFDA



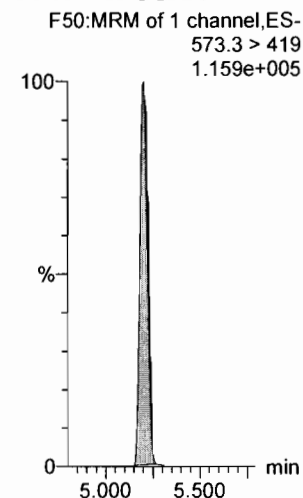
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

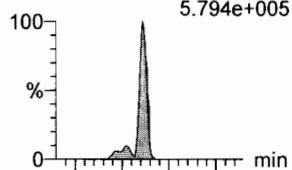
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

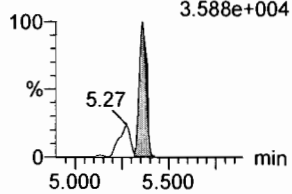
Name: 180603M2_8, Date: 03-Jun-2018, Time: 19:10:37, ID: ST180603M2-7 PFC CS4 18E2908, Description: PFC CS4 18E2908

L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
5.794e+005

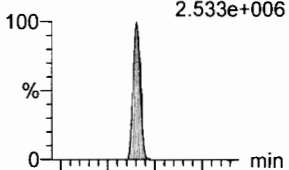


F51:MRM of 2 channels,ES-
584.2 > 483.0
3.588e+004

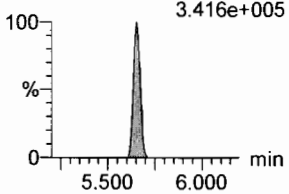


PFDoA

F54:MRM of 4 channels,ES-
612.9 > 569.0
2.533e+006

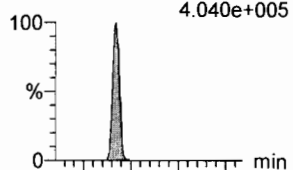


F54:MRM of 4 channels,ES-
612.9 > 318.8
3.416e+005

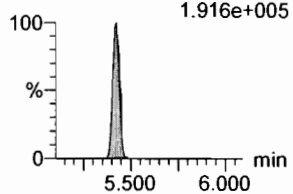


PFDS

F53:MRM of 2 channels,ES-
598.8 > 80
4.040e+005

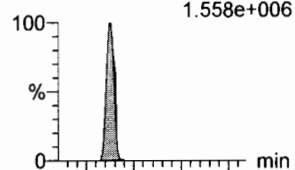


F53:MRM of 2 channels,ES-
598.8 > 98.7
1.916e+005

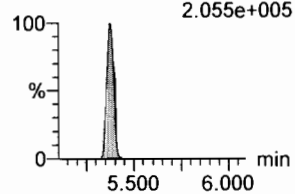


PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
1.558e+006

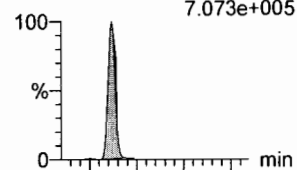


F46:MRM of 2 channels,ES-
563.0 > 269
2.055e+005

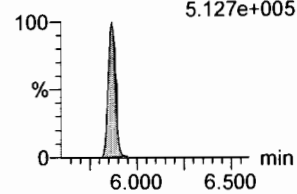


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
7.073e+005

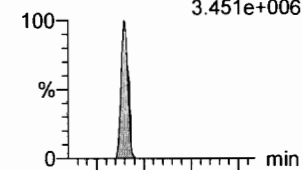


F36:MRM of 2 channels,ES-
512.1 > 219
5.127e+005

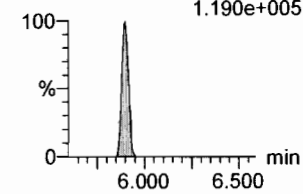


PFTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
3.451e+006

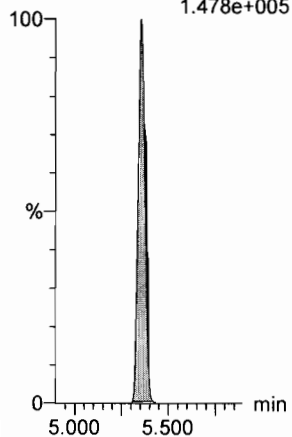


F60:MRM of 2 channels,ES-
662.9 > 319
1.190e+005



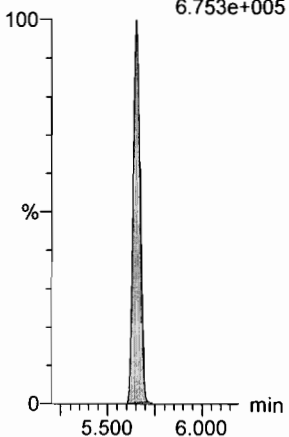
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
1.478e+005



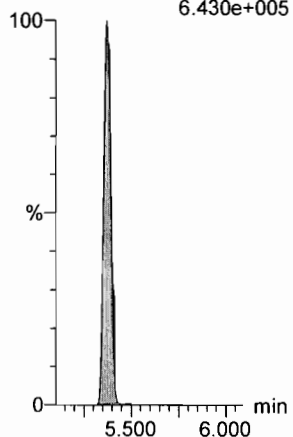
13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
6.753e+005



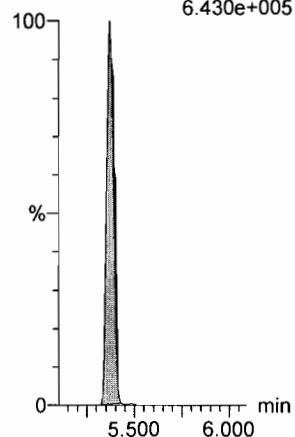
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
6.430e+005



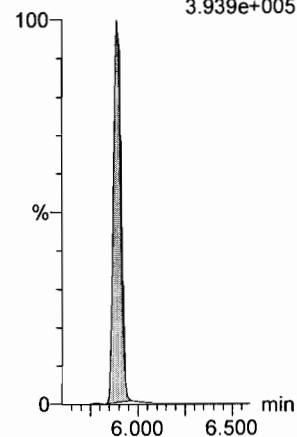
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
6.430e+005



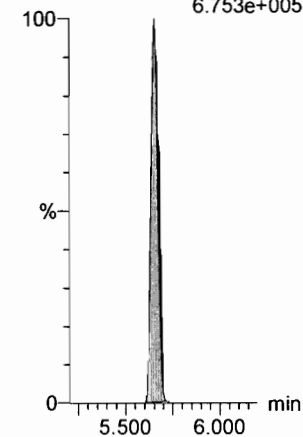
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
3.939e+005



13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
6.753e+005



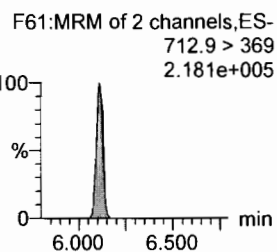
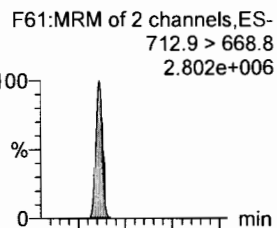
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Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

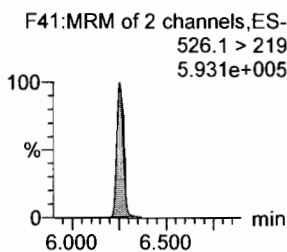
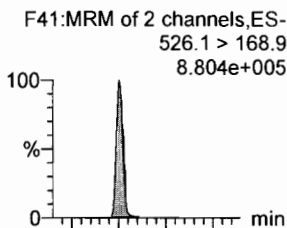
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_8, Date: 03-Jun-2018, Time: 19:10:37, ID: ST180603M2-7 PFC CS4 18E2908, Description: PFC CS4 18E2908

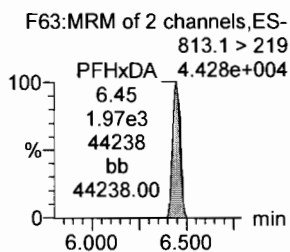
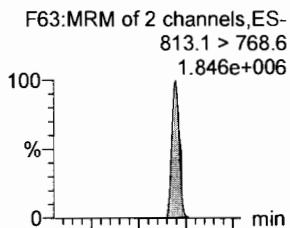
PFTeDA



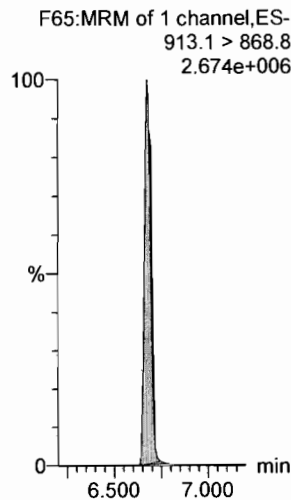
N-EtFOSA



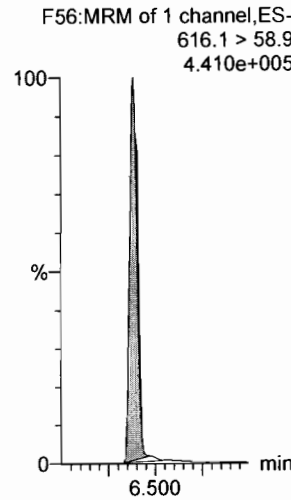
PFHxDA



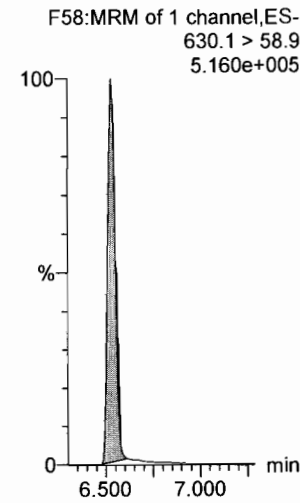
PFODA



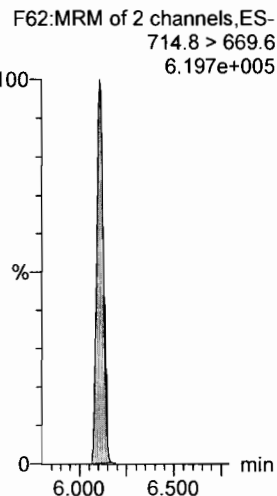
N-MeFOSE



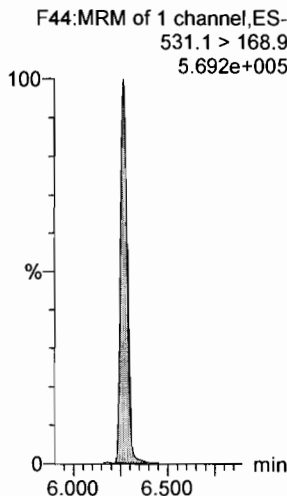
N-EtFOSE



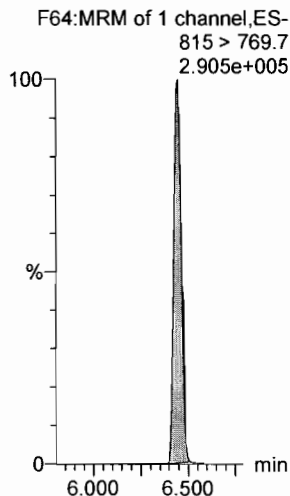
13C2-PFTeDA



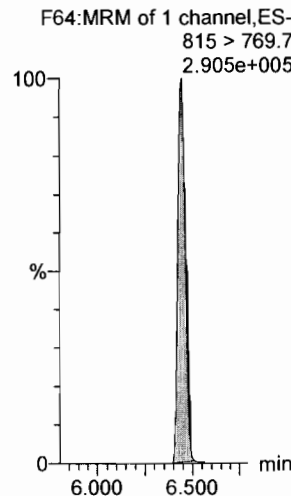
d5-N-ETFOSA



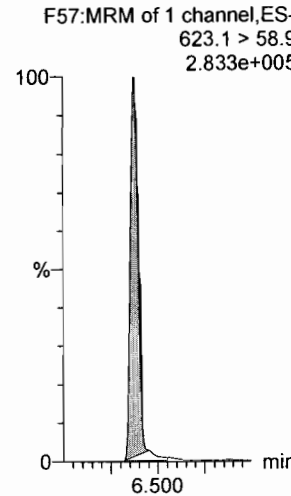
13C2-PFHxDA



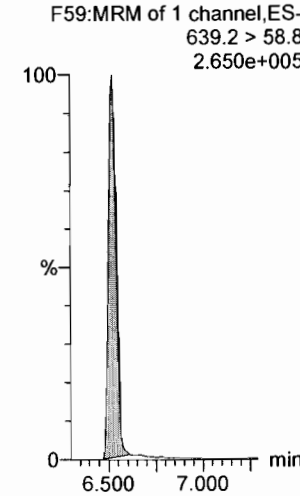
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

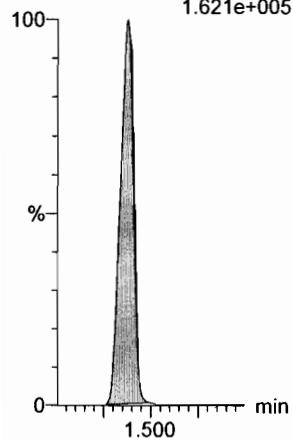
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_8, Date: 03-Jun-2018, Time: 19:10:37, ID: ST180603M2-7 PFC CS4 18E2908, Description: PFC CS4 18E2908

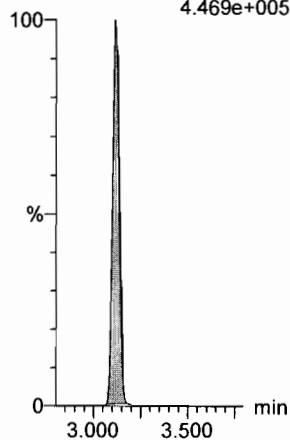
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.621e+005



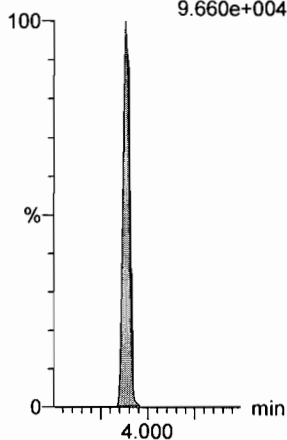
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.469e+005



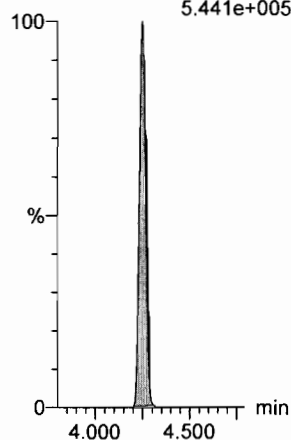
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
9.660e+004



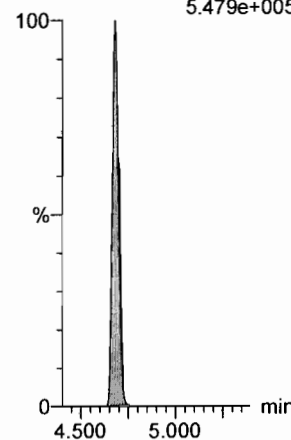
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
5.441e+005



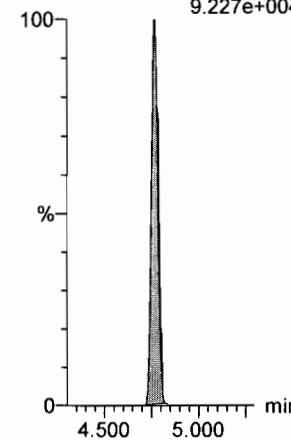
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.479e+005



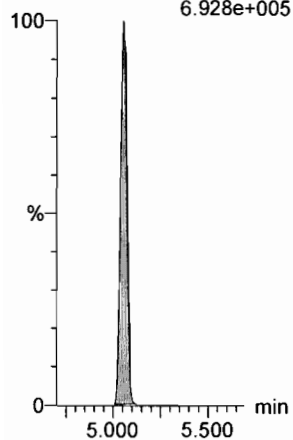
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
9.227e+004



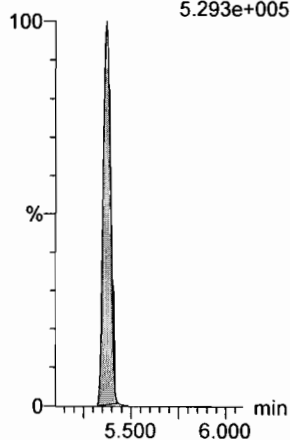
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
6.928e+005



13C7-PFUdA

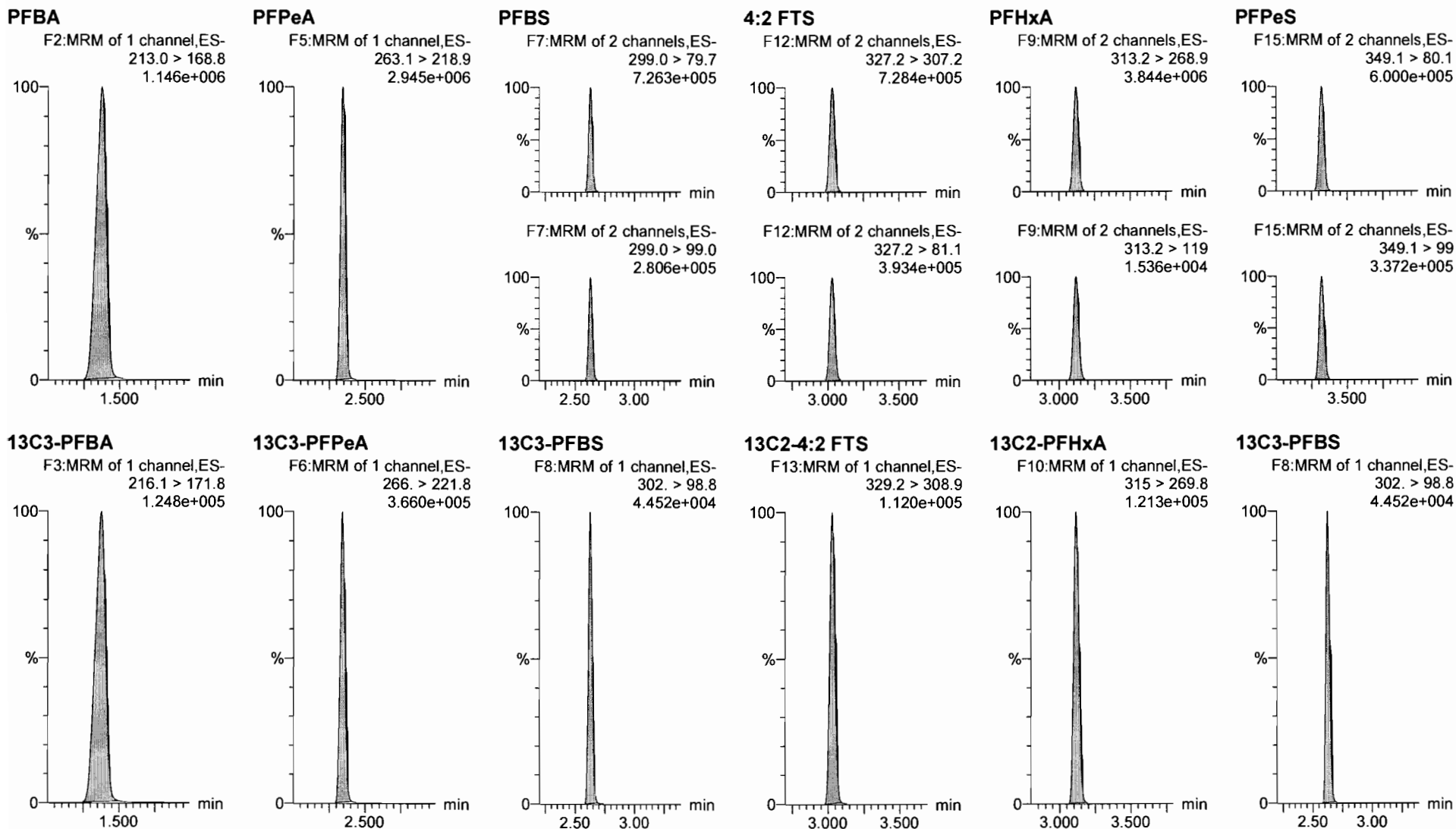
F49:MRM of 1 channel,ES-
570.1 > 524.8
5.293e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time
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Name: 180603M2_9, Date: 03-Jun-2018, Time: 19:21:07, ID: ST180603M2-8 PFC CS5 18E2909, Description: PFC CS5 18E2909



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

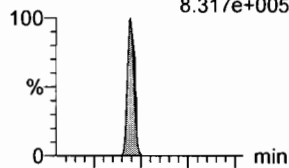
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

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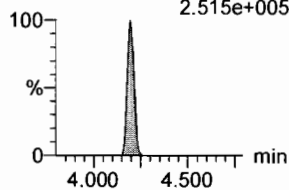
Name: 180603M2_9, Date: 03-Jun-2018, Time: 19:21:07, ID: ST180603M2-8 PFC CS5 18E2909, Description: PFC CS5 18E2909

6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
8.317e+005

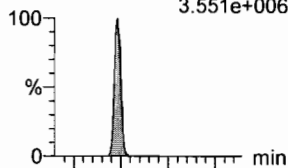


F24:MRM of 2 channels,ES-
427.1 > 80
2.515e+005

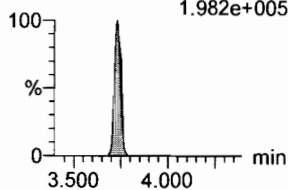


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
3.551e+006

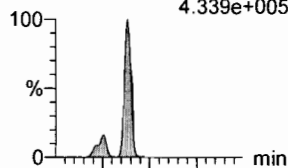


F16:MRM of 2 channels,ES-
363.0 > 169.0
1.982e+005

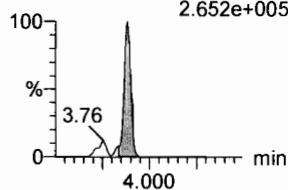


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
4.339e+005

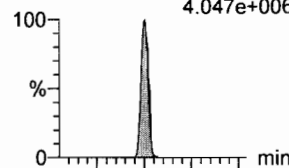


F18:MRM of 2 channels,ES-
398.9 > 99.0
2.652e+005

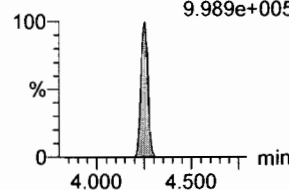


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
4.047e+006

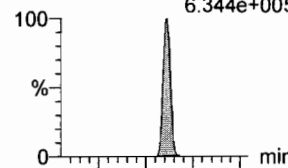


F21:MRM of 2 channels,ES-
413 > 169
9.989e+005

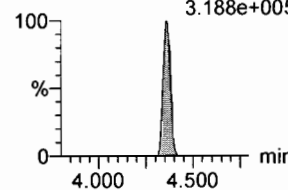


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
6.344e+005

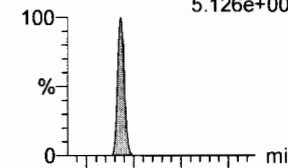


F26:MRM of 2 channels,ES-
449 > 98.7
3.188e+005

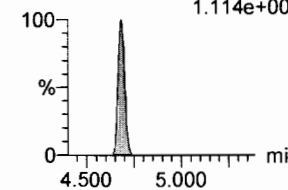


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
5.126e+006

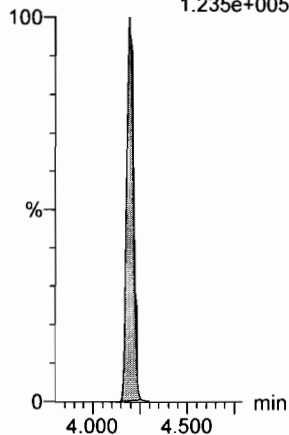


F27:MRM of 2 channels,ES-
463.0 > 219.0
1.114e+006



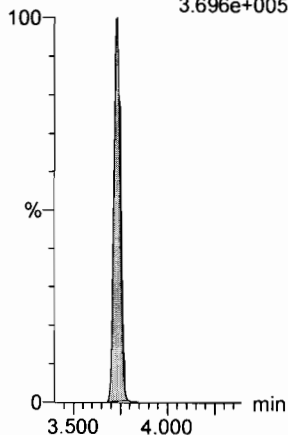
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
1.235e+005



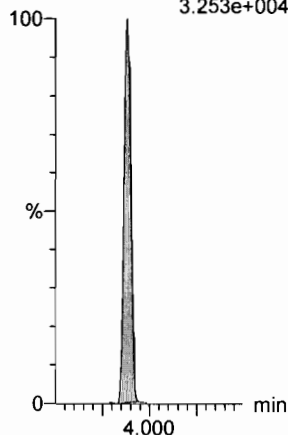
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
3.696e+005



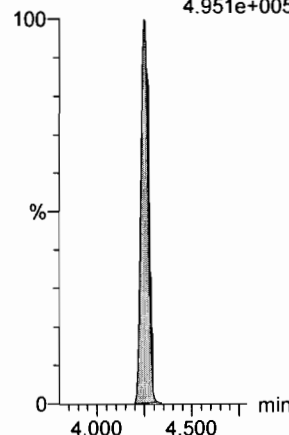
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
3.253e+004



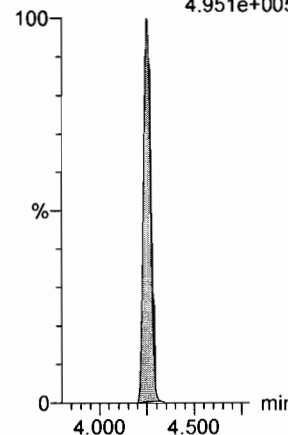
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
4.951e+005



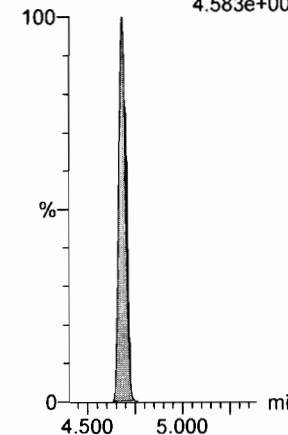
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
4.951e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
4.583e+005



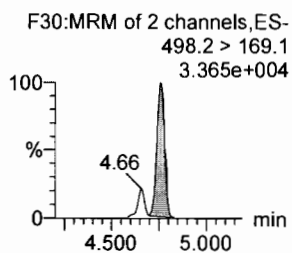
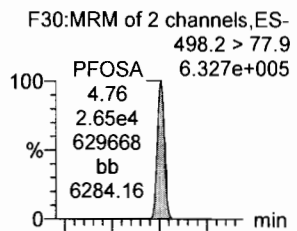
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Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

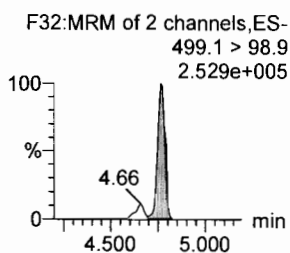
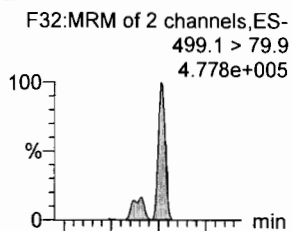
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Name: 180603M2_9, Date: 03-Jun-2018, Time: 19:21:07, ID: ST180603M2-8 PFC CS5 18E2909, Description: PFC CS5 18E2909

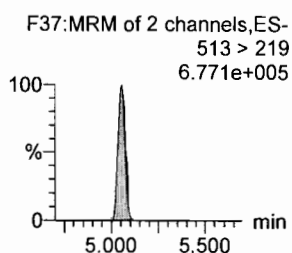
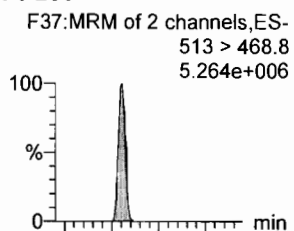
PFOSA



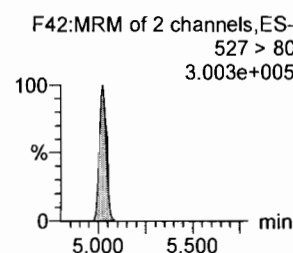
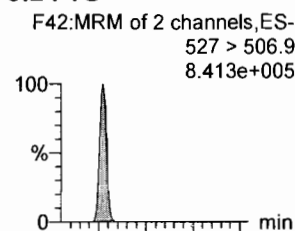
L-PFOS



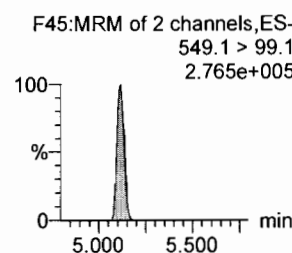
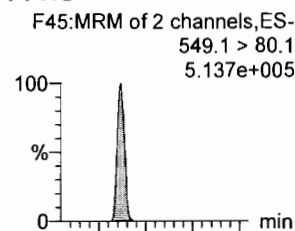
PFDA



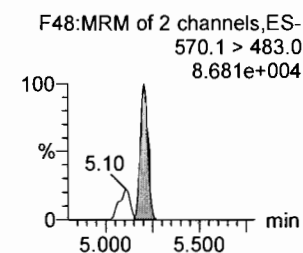
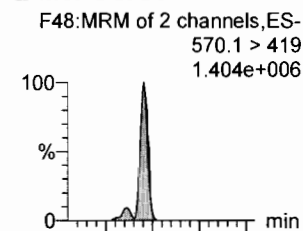
8:2 FTS



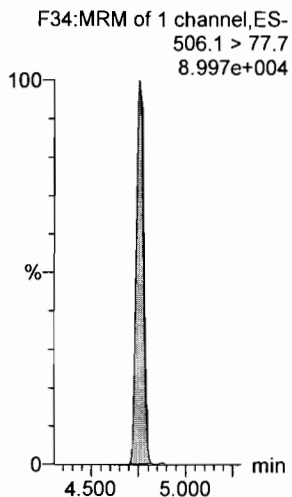
PFNS



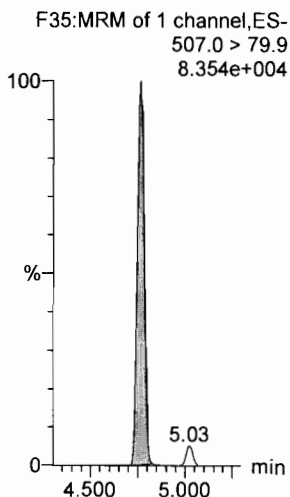
L-MeFOSAA



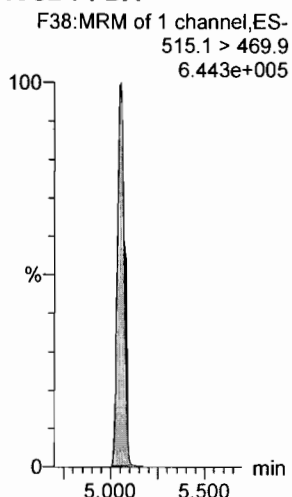
13C8-PFOA



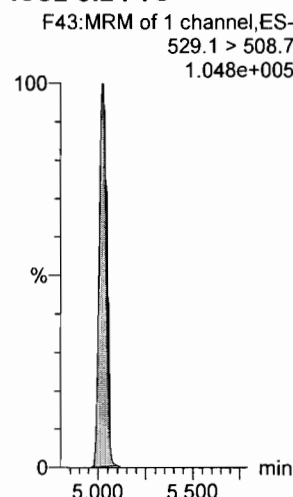
13C8-PFOS



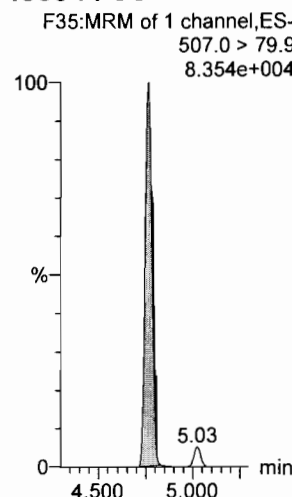
13C2-PFDA



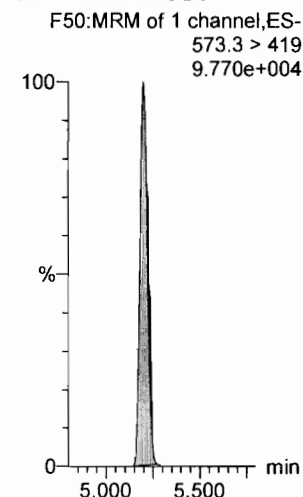
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

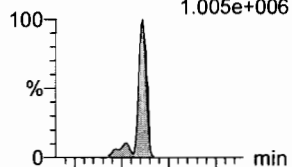
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

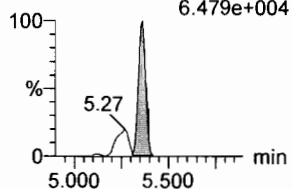
Name: 180603M2_9, Date: 03-Jun-2018, Time: 19:21:07, ID: ST180603M2-8 PFC CS5 18E2909, Description: PFC CS5 18E2909

L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
1.005e+006

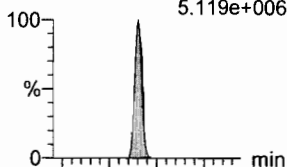


F51:MRM of 2 channels,ES-
584.2 > 483.0
6.479e+004

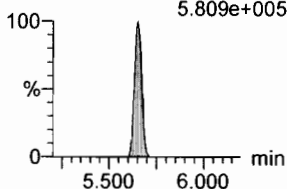


PFDaA

F54:MRM of 4 channels,ES-
612.9 > 569.0
5.119e+006

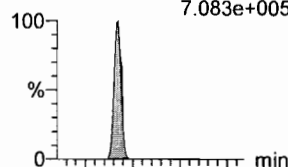


F54:MRM of 4 channels,ES-
612.9 > 318.8
5.809e+005

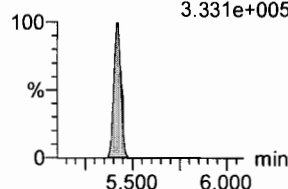


PFDS

F53:MRM of 2 channels,ES-
598.8 > 80
7.083e+005

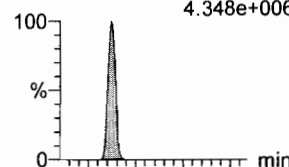


F53:MRM of 2 channels,ES-
598.8 > 98.7
3.331e+005

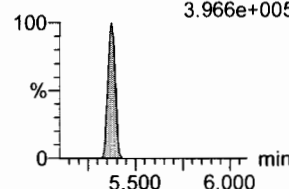


PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
4.348e+006

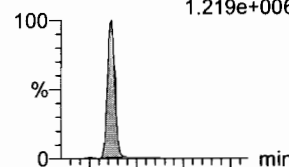


F46:MRM of 2 channels,ES-
563.0 > 269
3.966e+005

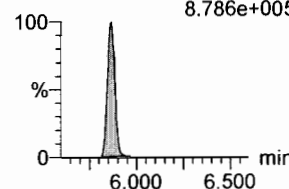


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
1.219e+006

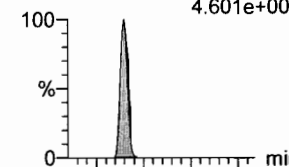


F36:MRM of 2 channels,ES-
512.1 > 219
8.786e+005

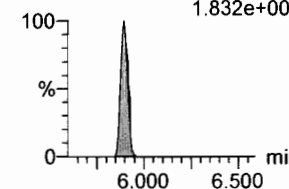


PFTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
4.601e+006

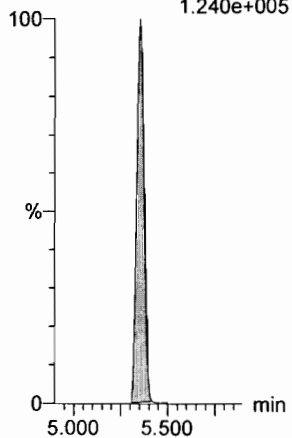


F60:MRM of 2 channels,ES-
662.9 > 319
1.832e+005



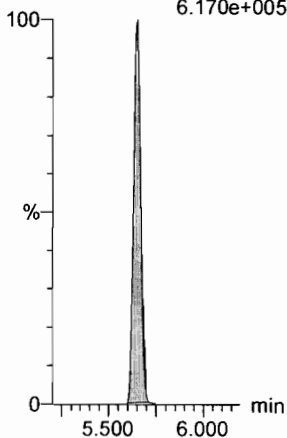
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
1.240e+005



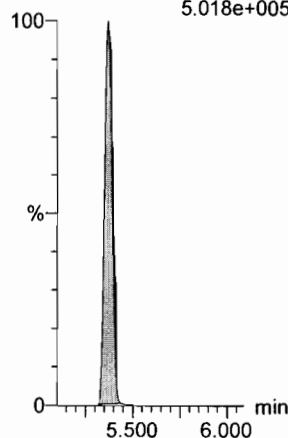
13C2-PFDaA

F55:MRM of 2 channels,ES-
615.0 > 569.7
6.170e+005



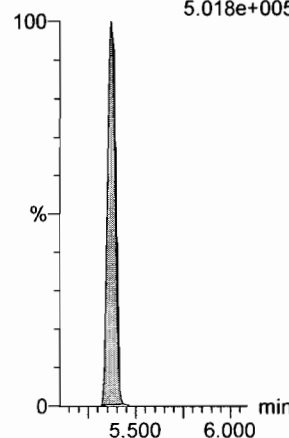
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
5.018e+005



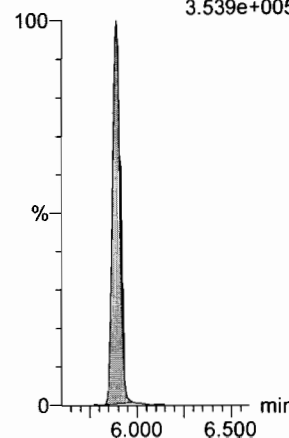
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
5.018e+005



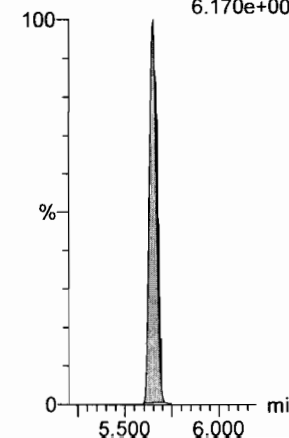
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
3.539e+005



13C2-PFDaA

F55:MRM of 2 channels,ES-
615.0 > 569.7
6.170e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

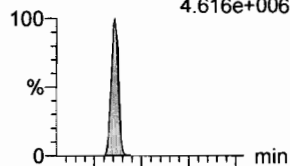
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Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

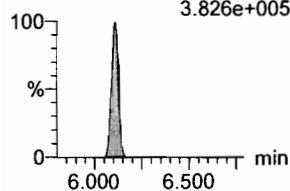
Name: 180603M2_9, Date: 03-Jun-2018, Time: 19:21:07, ID: ST180603M2-8 PFC CS5 18E2909, Description: PFC CS5 18E2909

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
4.616e+006

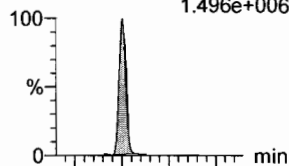


F61:MRM of 2 channels,ES-
712.9 > 369
3.826e+005

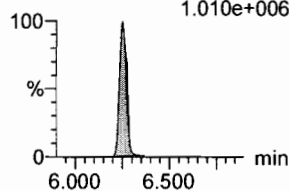


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
1.496e+006

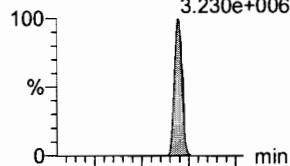


F41:MRM of 2 channels,ES-
526.1 > 219
1.010e+006

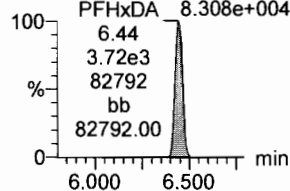


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
3.230e+006

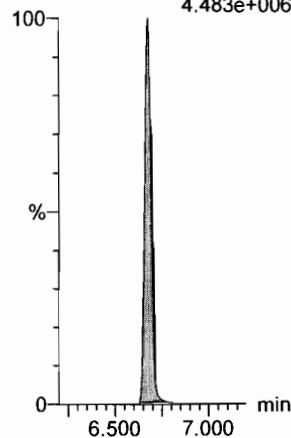


F63:MRM of 2 channels,ES-
813.1 > 219
8.308e+004



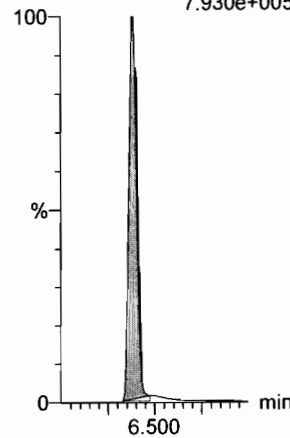
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
4.483e+006



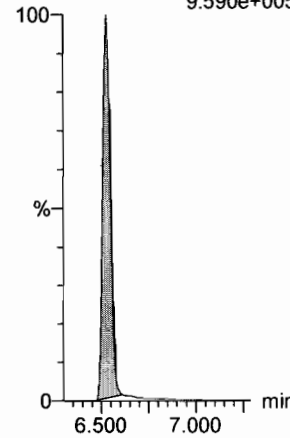
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
7.930e+005



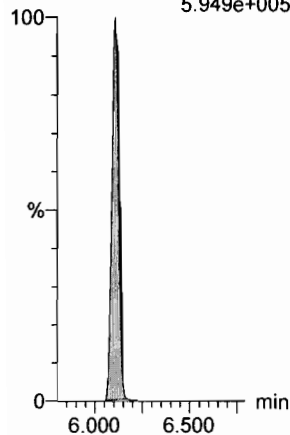
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
9.590e+005



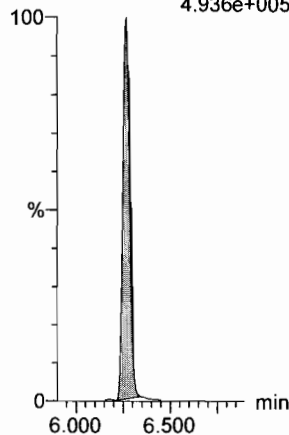
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
5.949e+005



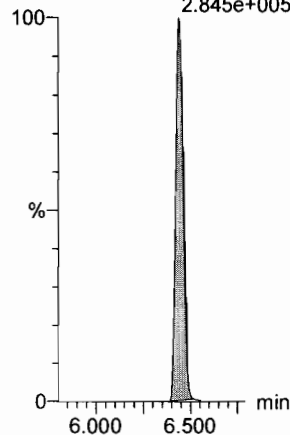
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
4.936e+005



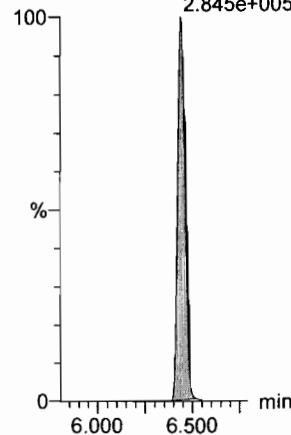
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.845e+005



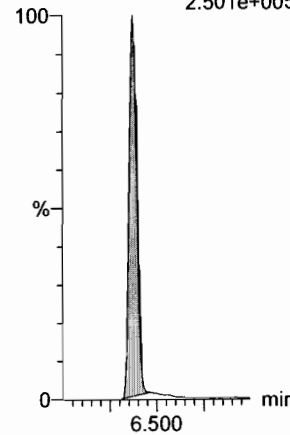
13C2-PFODA

F64:MRM of 1 channel,ES-
815 > 769.7
2.845e+005



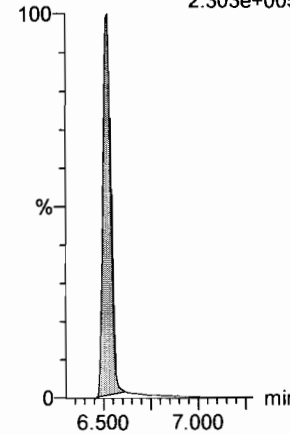
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.501e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.303e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

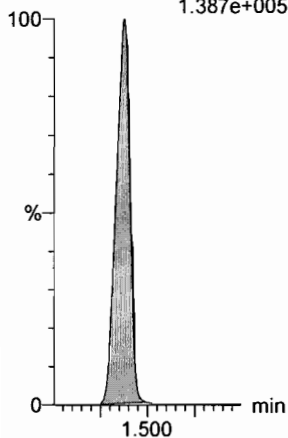
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_9, Date: 03-Jun-2018, Time: 19:21:07, ID: ST180603M2-8 PFC CS5 18E2909, Description: PFC CS5 18E2909

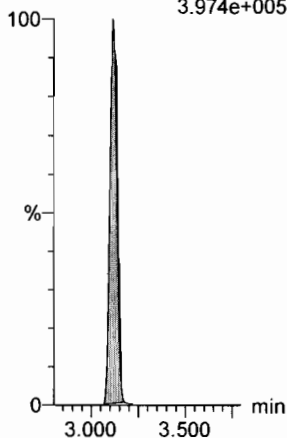
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.387e+005



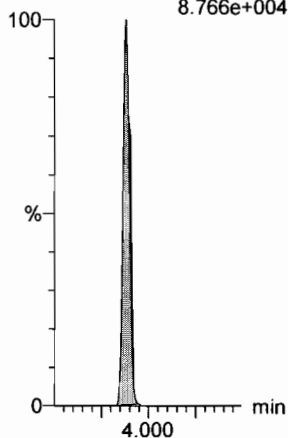
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
3.974e+005



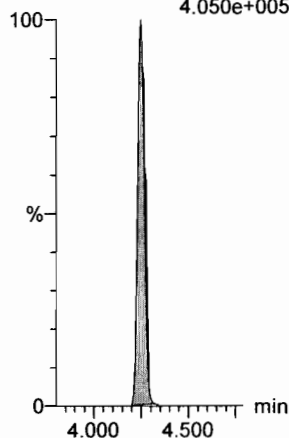
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
8.766e+004



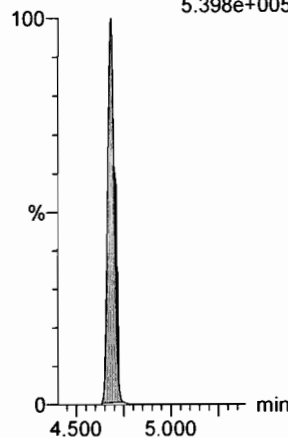
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
4.050e+005



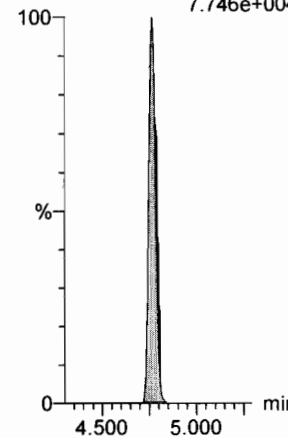
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.398e+005



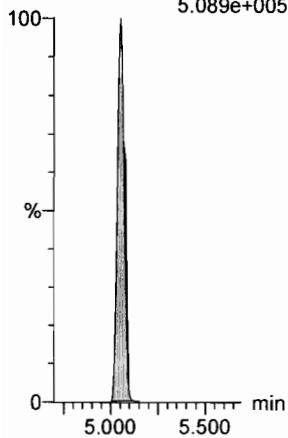
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.746e+004



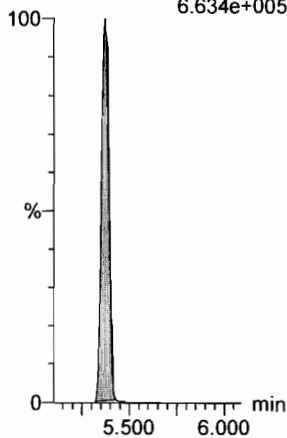
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.089e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.634e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

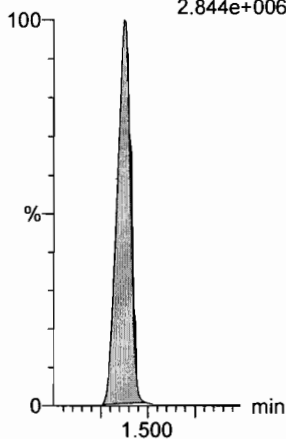
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Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

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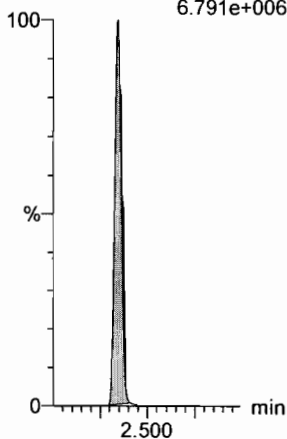
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
2.844e+006



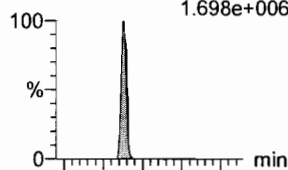
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
6.791e+006

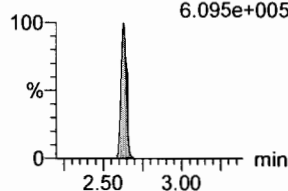


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
1.698e+006

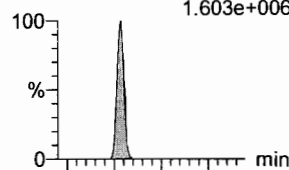


F7:MRM of 2 channels,ES-
299.0 > 99.0
6.095e+005

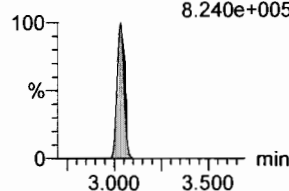


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
1.603e+006

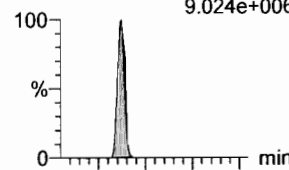


F12:MRM of 2 channels,ES-
327.2 > 81.1
8.240e+005

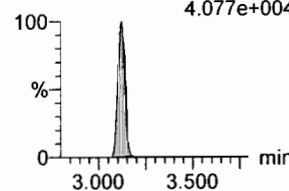


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
9.024e+006

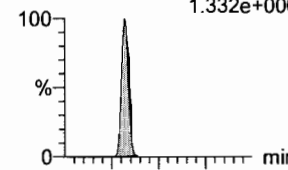


F9:MRM of 2 channels,ES-
313.2 > 119
4.077e+004

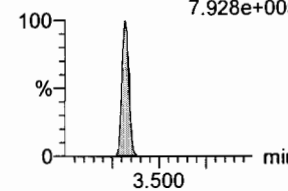


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
1.332e+006

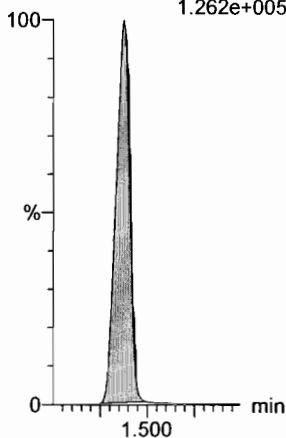


F15:MRM of 2 channels,ES-
349.1 > 99
7.928e+005



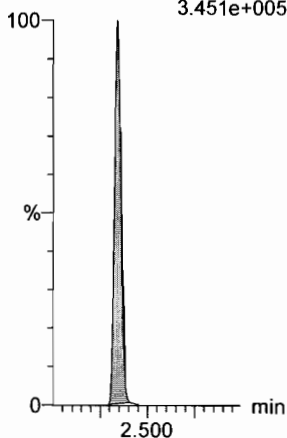
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
1.262e+005



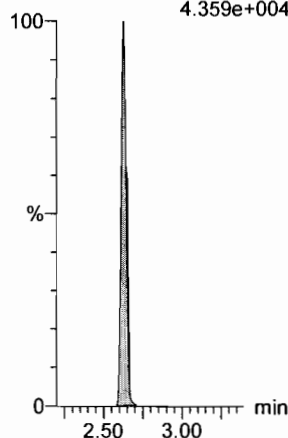
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
3.451e+005



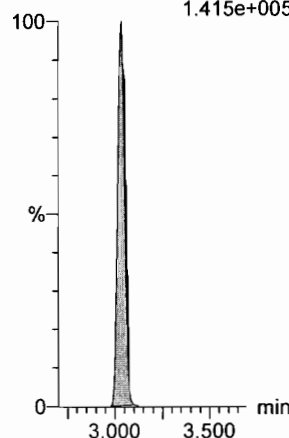
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
4.359e+004



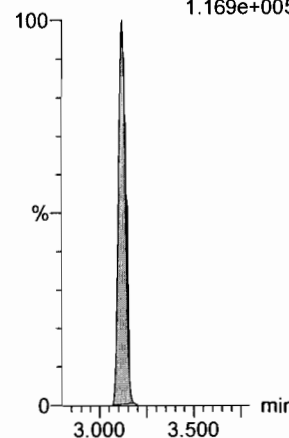
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
1.415e+005



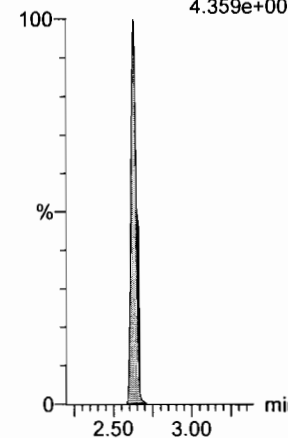
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
1.169e+005



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
4.359e+004



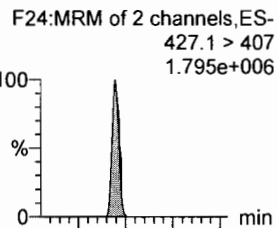
Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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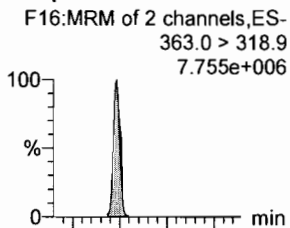
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Name: 180603M2_10, Date: 03-Jun-2018, Time: 19:31:33, ID: ST180603M2-9 PFC CS6 18E2910, Description: PFC CS6 18E2910

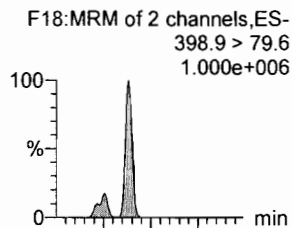
6:2 FTS



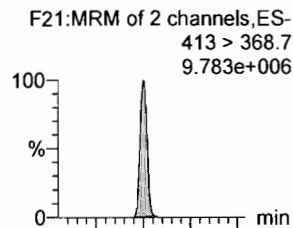
PFHpA



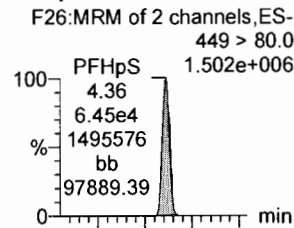
L-PFHxS



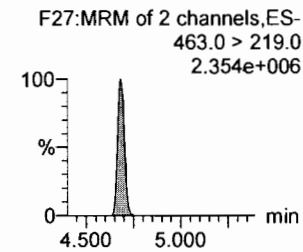
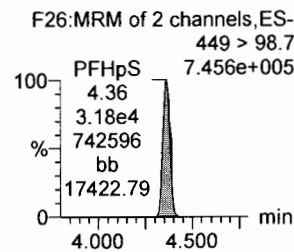
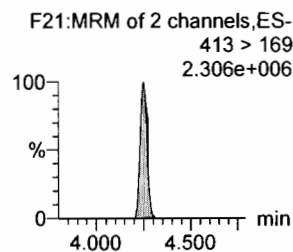
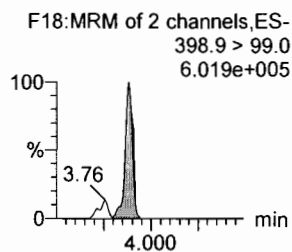
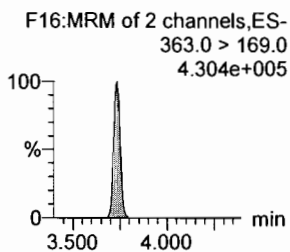
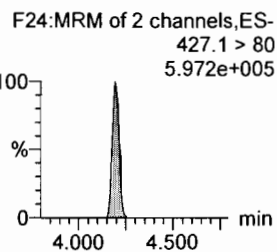
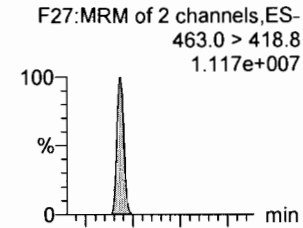
L-PFOA



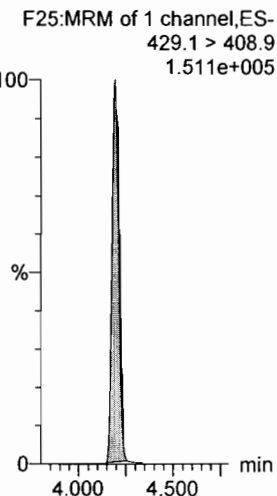
PFHpS



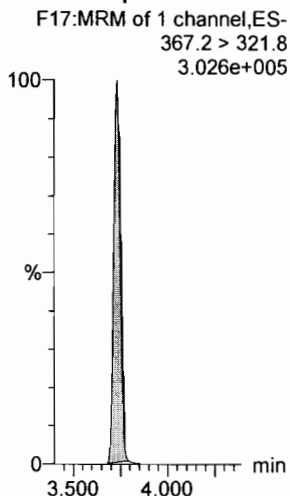
PFNA



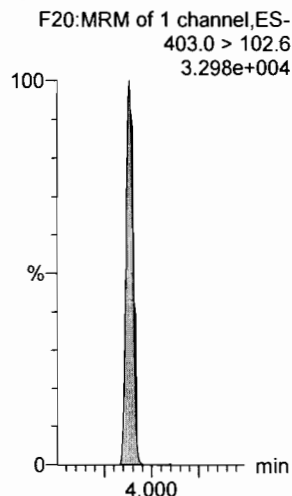
13C2-6:2 FTS



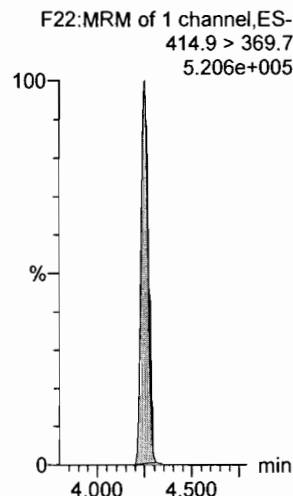
13C4-PFHpA



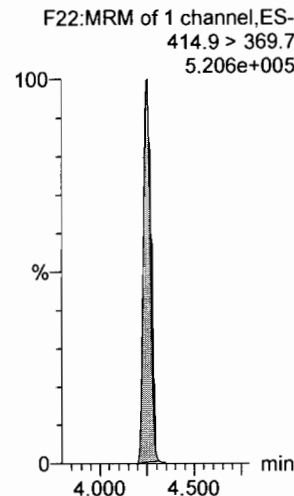
18O2-PFHxS



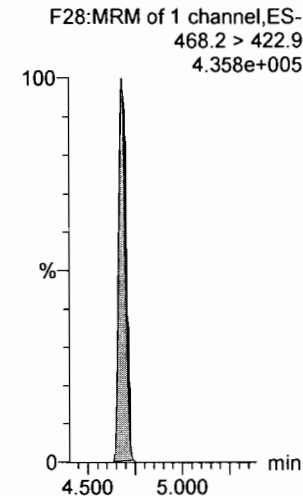
13C2-PFOA



13C2-PFOA



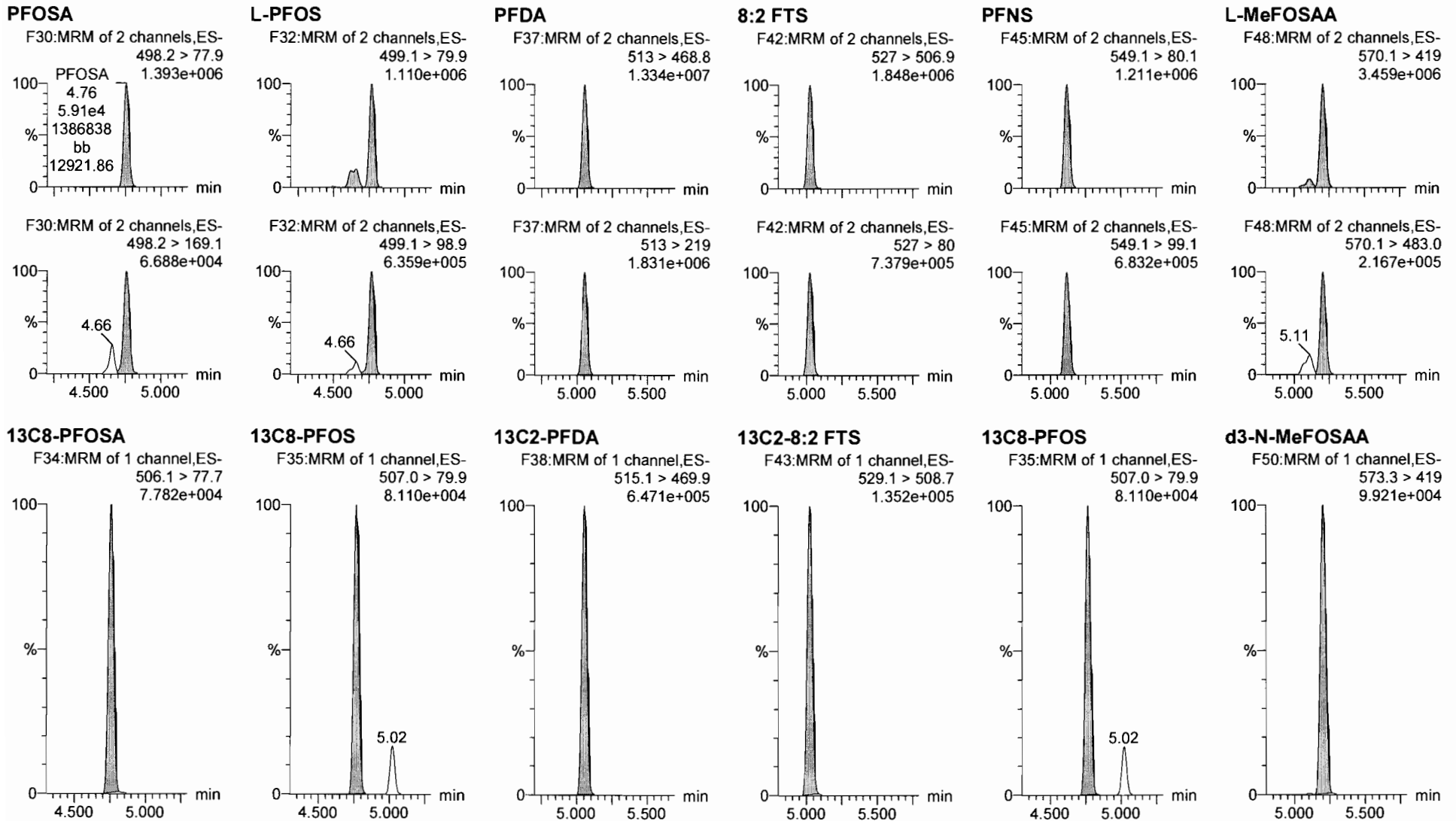
13C5-PFNA



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Name: 180603M2_10, Date: 03-Jun-2018, Time: 19:31:33, ID: ST180603M2-9 PFC CS6 18E2910, Description: PFC CS6 18E2910

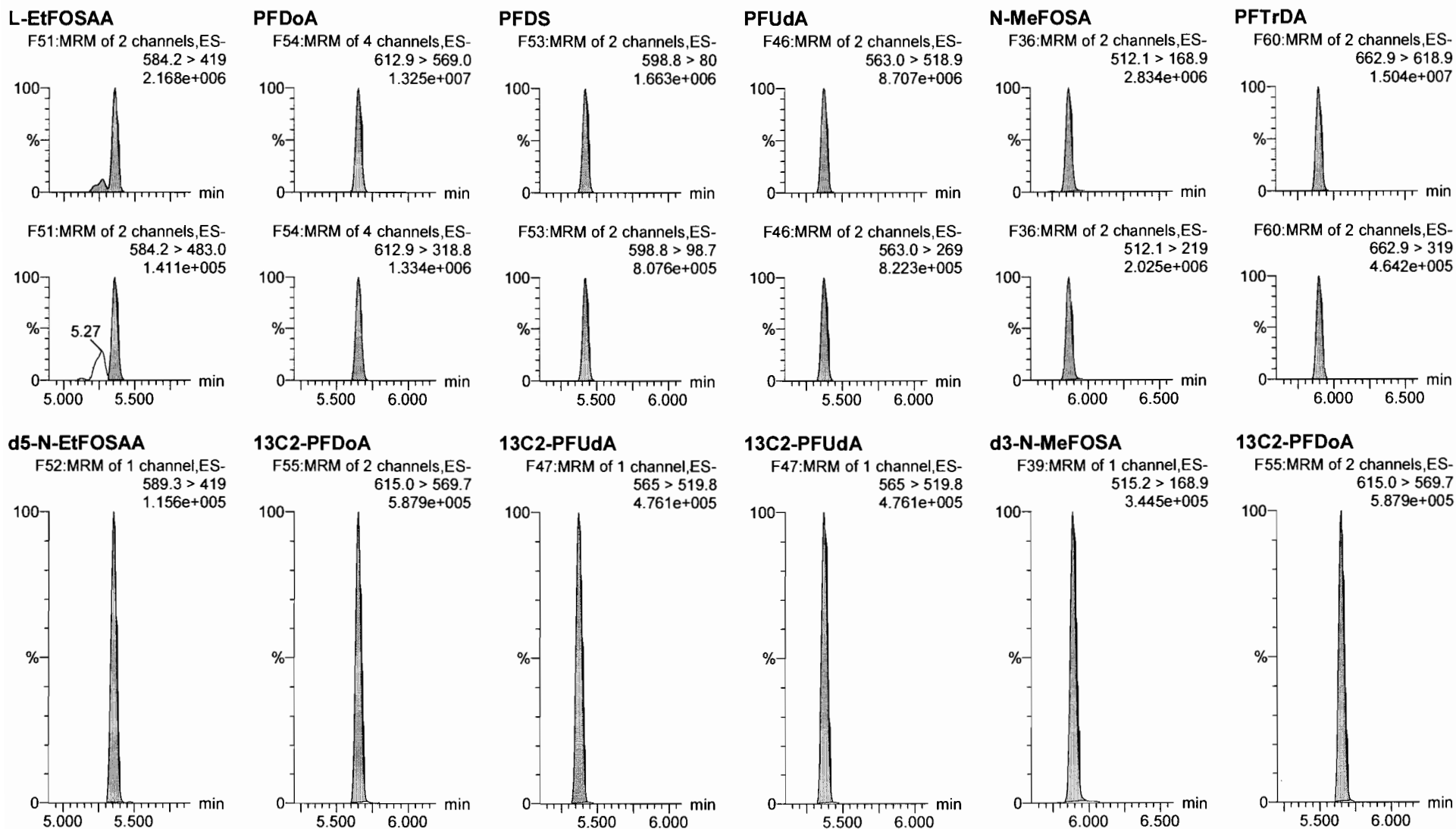


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_10, Date: 03-Jun-2018, Time: 19:31:33, ID: ST180603M2-9 PFC CS6 18E2910, Description: PFC CS6 18E2910



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

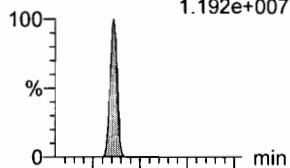
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

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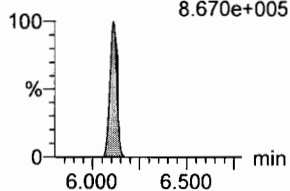
Name: 180603M2_10, Date: 03-Jun-2018, Time: 19:31:33, ID: ST180603M2-9 PFC CS6 18E2910, Description: PFC CS6 18E2910

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
1.192e+007

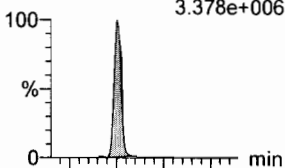


F61:MRM of 2 channels,ES-
712.9 > 369
8.670e+005

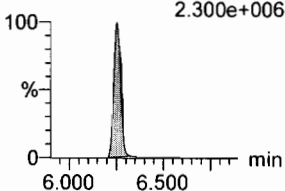


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
3.378e+006

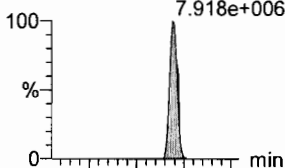


F41:MRM of 2 channels,ES-
526.1 > 219
2.300e+006

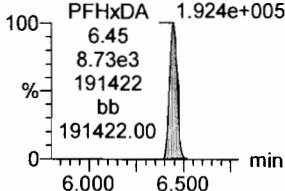


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
7.918e+006

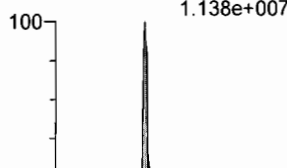


F63:MRM of 2 channels,ES-
813.1 > 219
1.924e+005



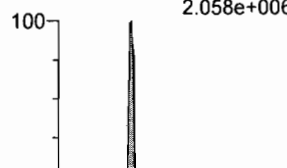
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
1.138e+007



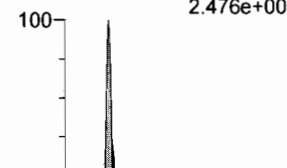
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
2.058e+006



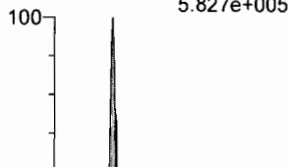
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
2.476e+006



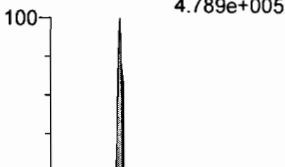
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
5.827e+005



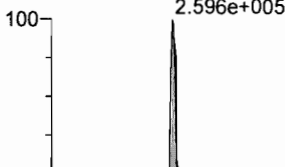
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
4.789e+005



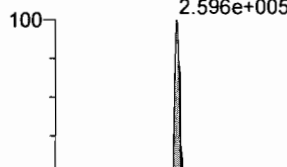
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.596e+005



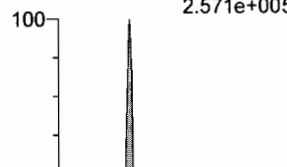
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.596e+005



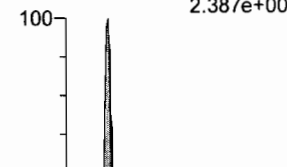
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.571e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.387e+005

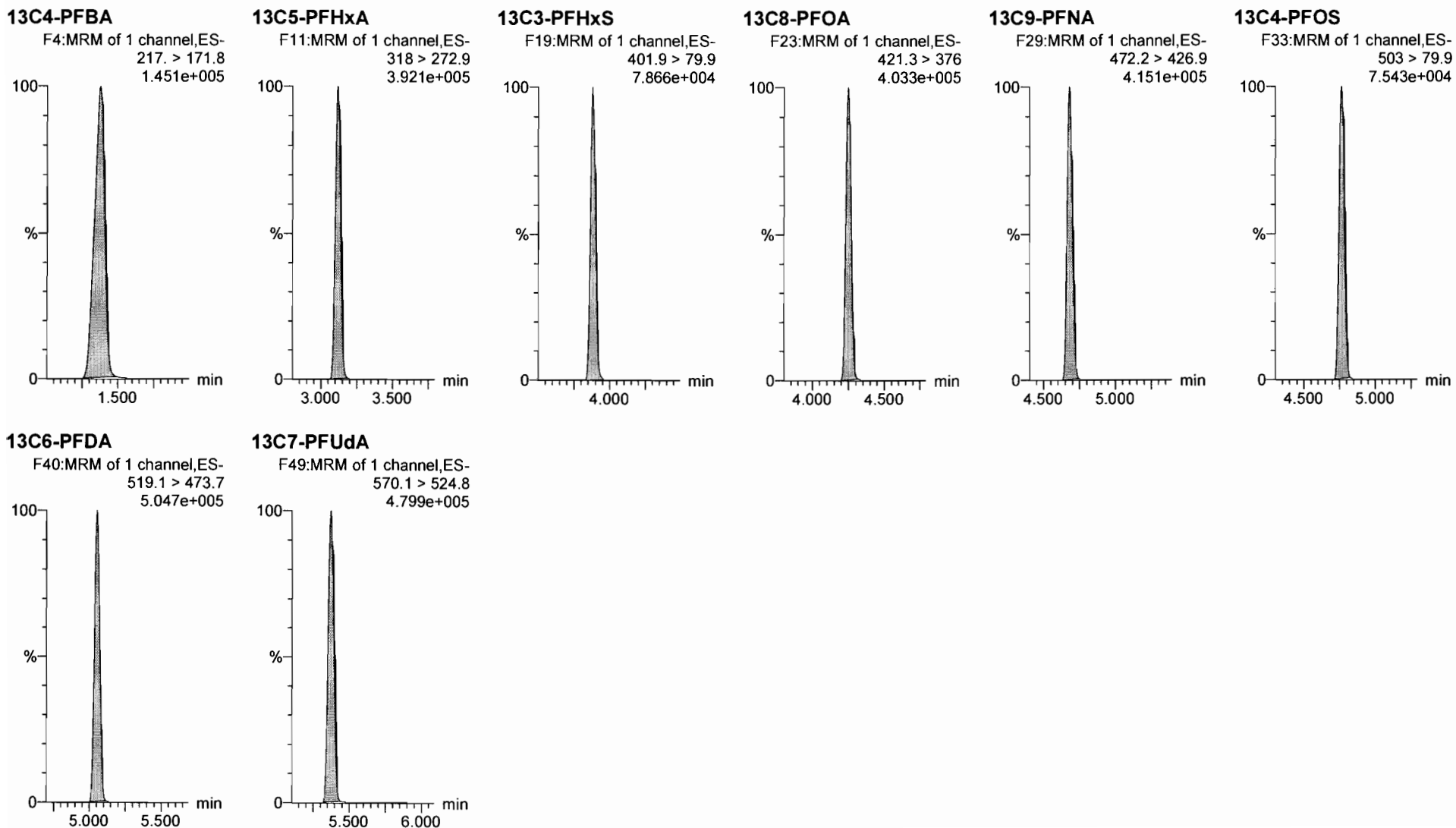


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

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Name: 180603M2_10, Date: 03-Jun-2018, Time: 19:31:33, ID: ST180603M2-9 PFC CS6 18E2910, Description: PFC CS6 18E2910



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

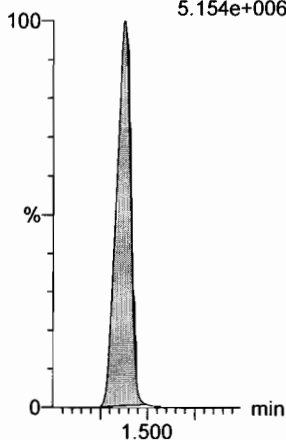
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Name: 180603M2_11, Date: 03-Jun-2018, Time: 19:42:03, ID: ST180603M2-10 PFC CS7 18E2911, Description: PFC CS7 18E2911

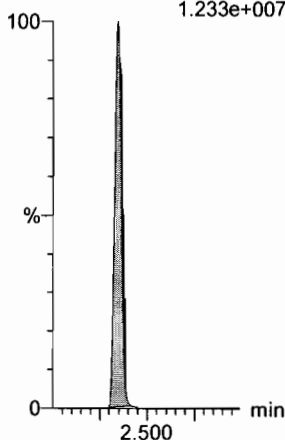
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
5.154e+006



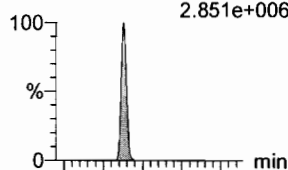
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
1.233e+007

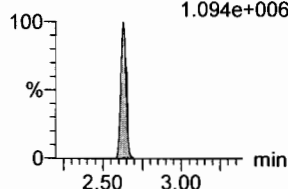


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
2.851e+006

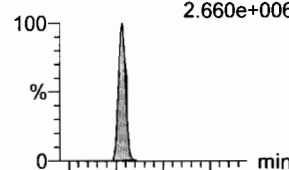


F7:MRM of 2 channels,ES-
299.0 > 99.0
1.094e+006

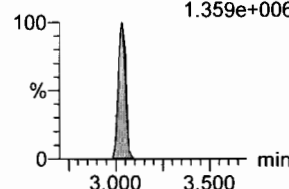


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
2.660e+006

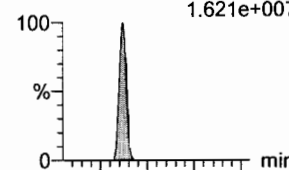


F12:MRM of 2 channels,ES-
327.2 > 81.1
1.359e+006

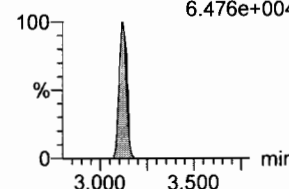


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
1.621e+007

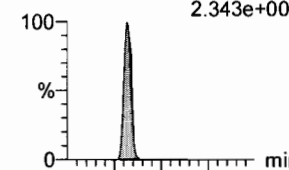


F9:MRM of 2 channels,ES-
313.2 > 119
6.476e+004

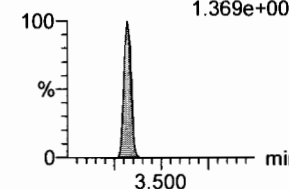


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
2.343e+006

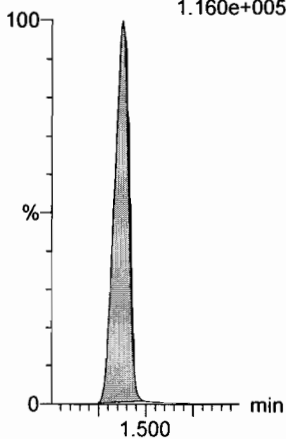


F15:MRM of 2 channels,ES-
349.1 > 99
1.369e+006



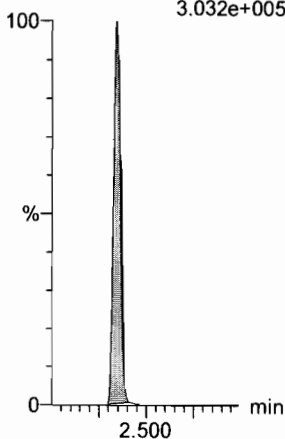
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
1.160e+005



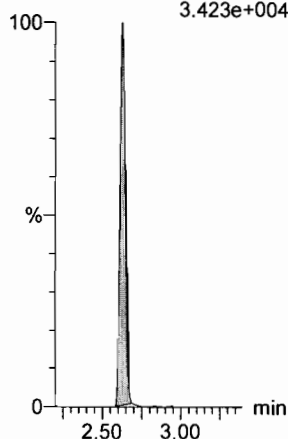
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
3.032e+005



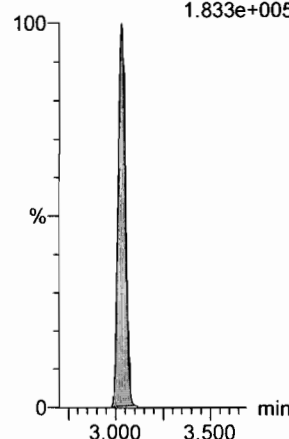
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
3.423e+004



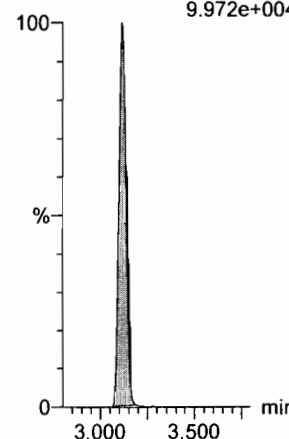
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
1.833e+005



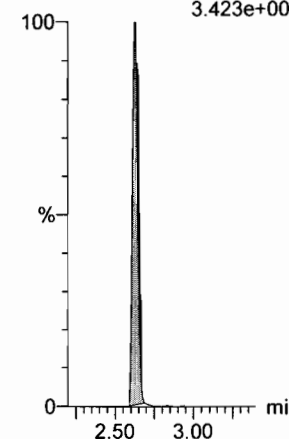
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
9.972e+004



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
3.423e+004



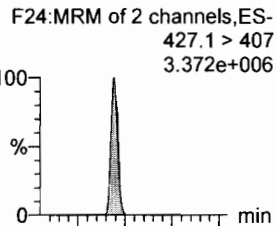
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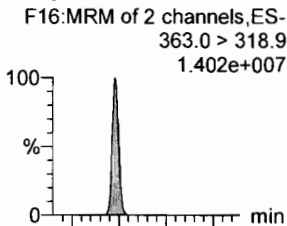
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_11, Date: 03-Jun-2018, Time: 19:42:03, ID: ST180603M2-10 PFC CS7 18E2911, Description: PFC CS7 18E2911

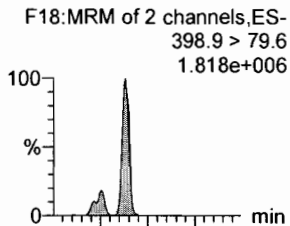
6:2 FTS



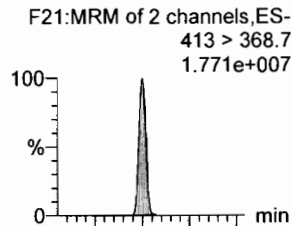
PFHpA



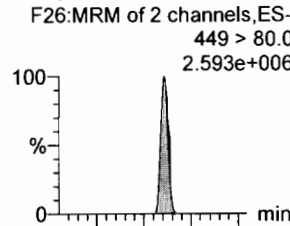
L-PFHxS



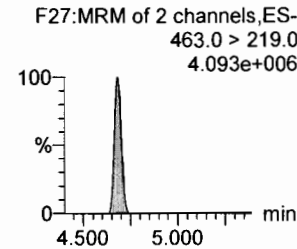
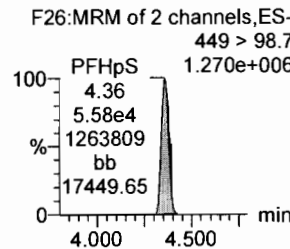
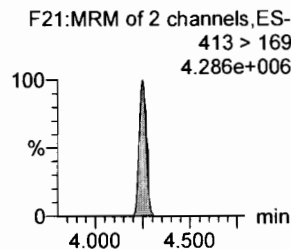
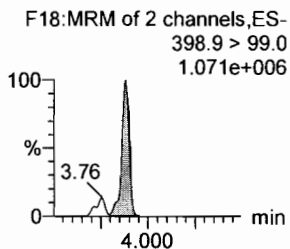
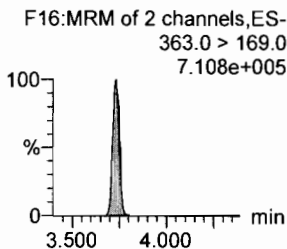
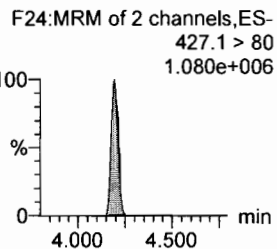
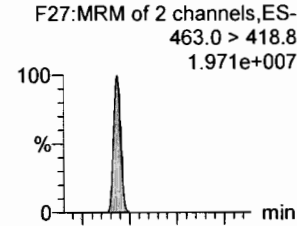
L-PFOA



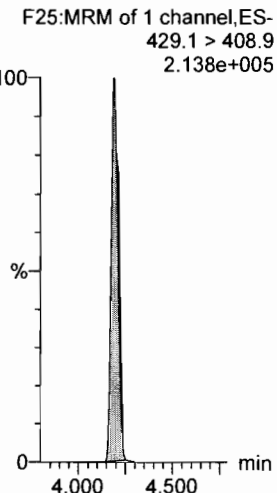
PFHpS



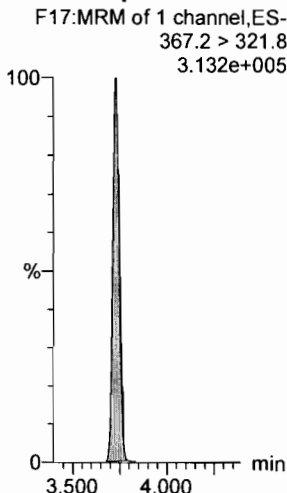
PFNA



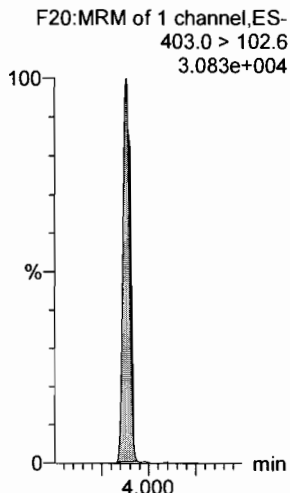
13C2-6:2 FTS



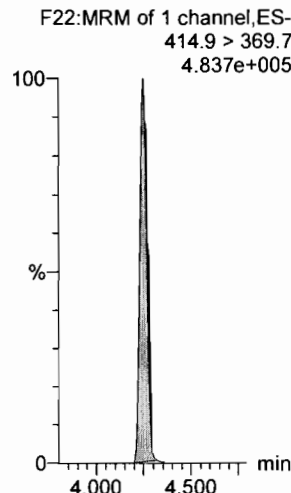
13C4-PFHpA



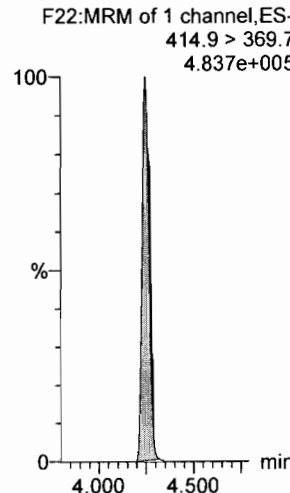
18O2-PFHxS



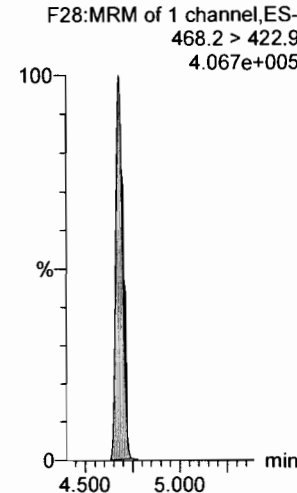
13C2-PFOA



13C2-PFOA



13C5-PFNA



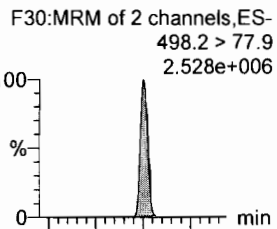
Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

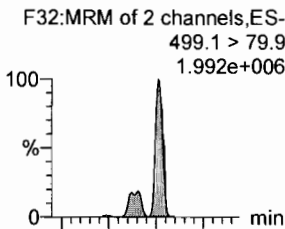
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_11, Date: 03-Jun-2018, Time: 19:42:03, ID: ST180603M2-10 PFC CS7 18E2911, Description: PFC CS7 18E2911

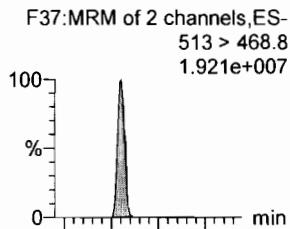
PFOSA



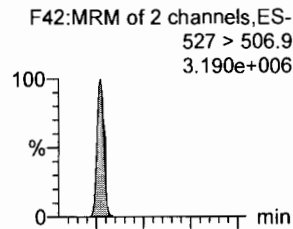
L-PFOS



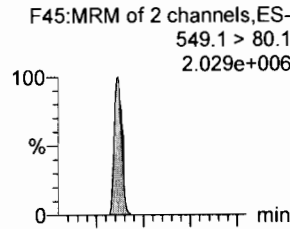
PFDA



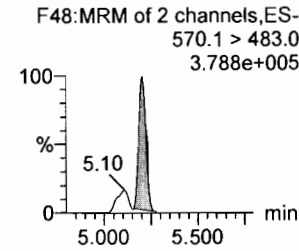
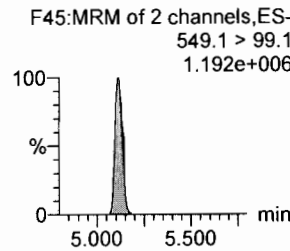
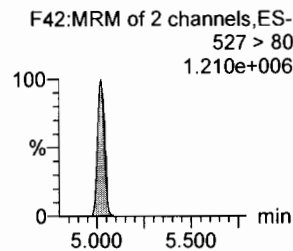
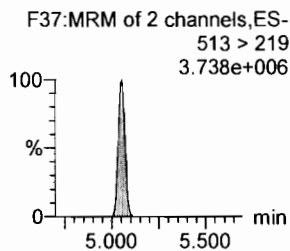
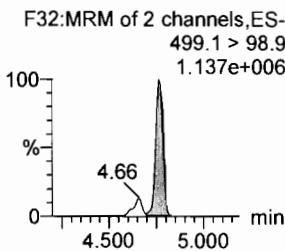
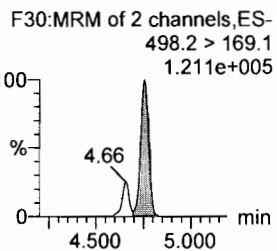
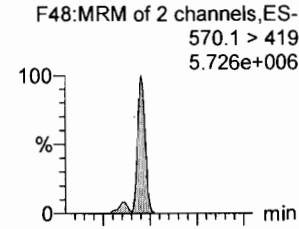
8:2 FTS



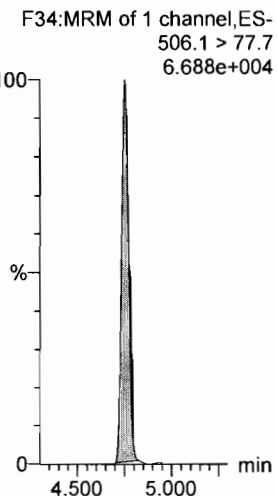
PFNS



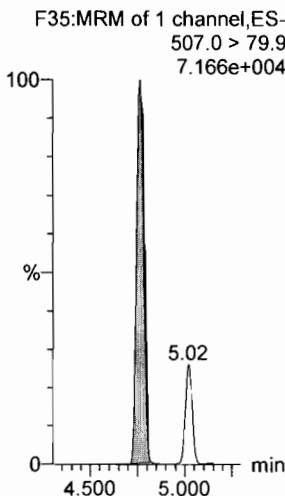
L-MeFOSAA



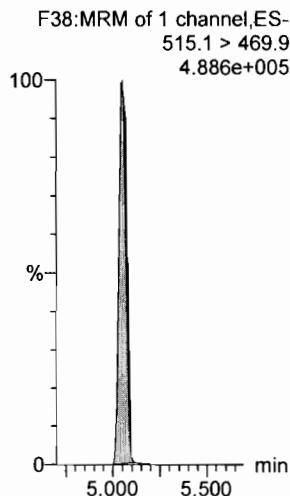
13C8-PFOSA



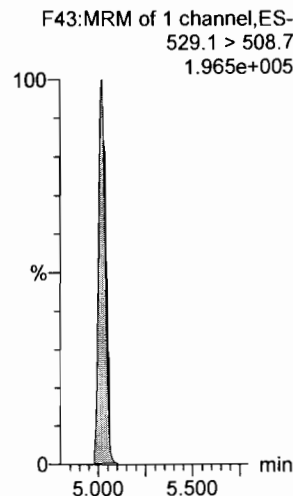
13C8-PFOS



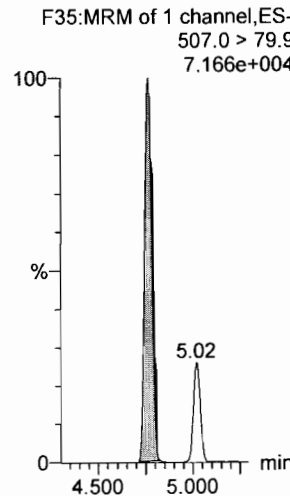
13C2-PFDA



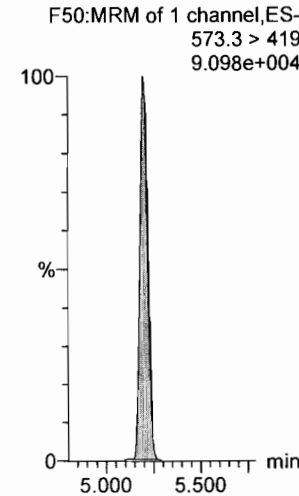
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

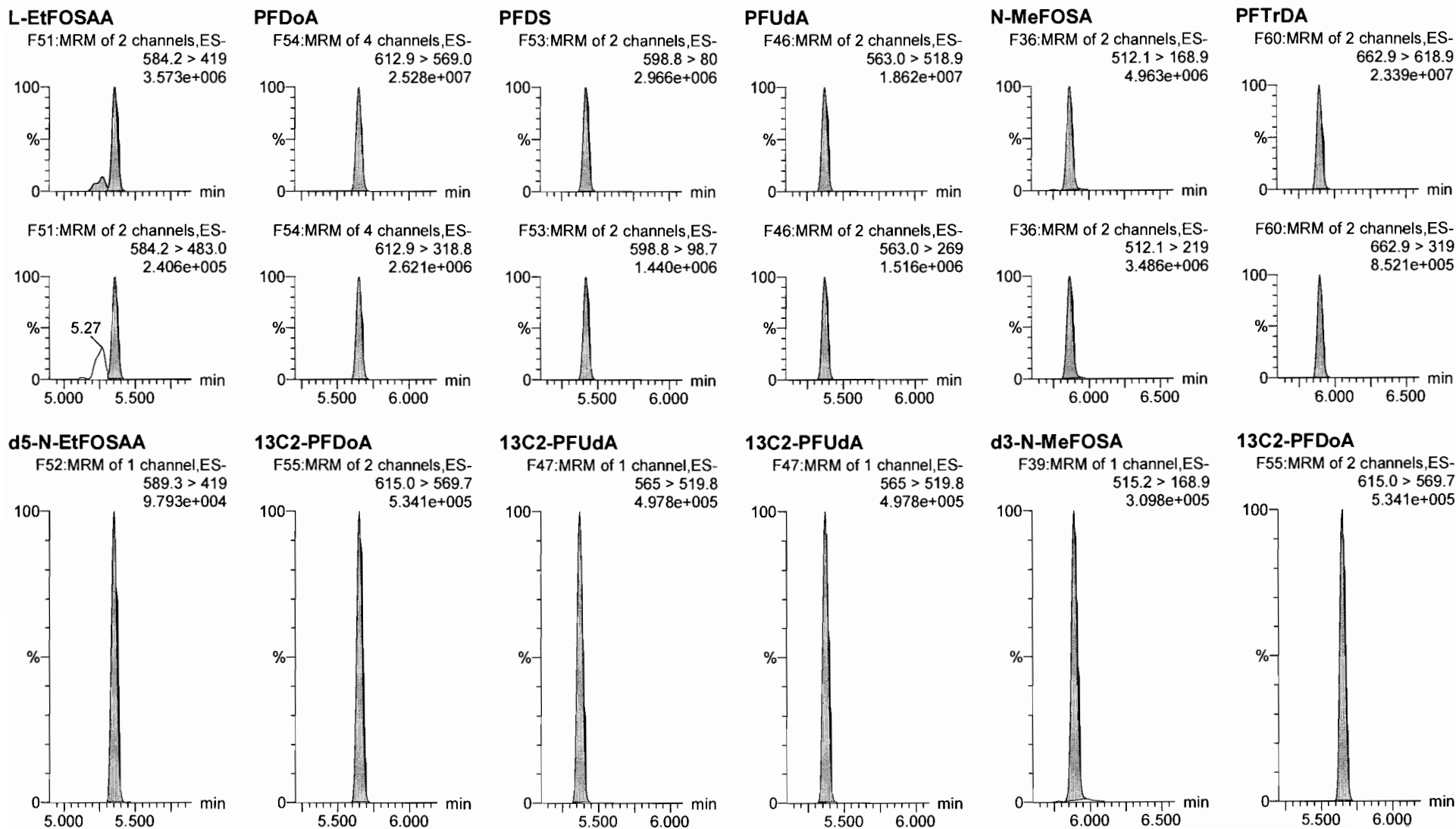


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_11, Date: 03-Jun-2018, Time: 19:42:03, ID: ST180603M2-10 PFC CS7 18E2911, Description: PFC CS7 18E2911



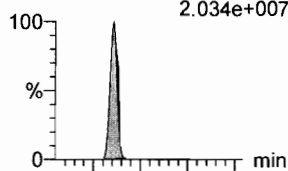
Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time
Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

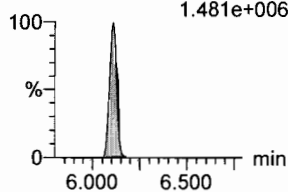
Name: 180603M2_11, Date: 03-Jun-2018, Time: 19:42:03, ID: ST180603M2-10 PFC CS7 18E2911, Description: PFC CS7 18E2911

PFTeDA

F61:MRM of 2 channels,ES-
712.9 > 668.8
2.034e+007

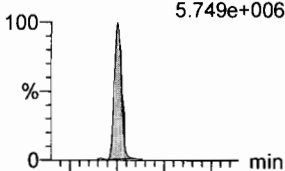


F61:MRM of 2 channels,ES-
712.9 > 369
1.481e+006

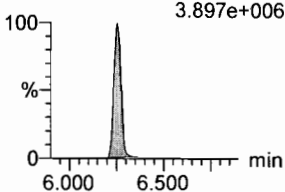


N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
5.749e+006

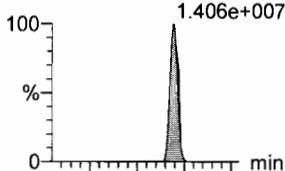


F41:MRM of 2 channels,ES-
526.1 > 219
3.897e+006

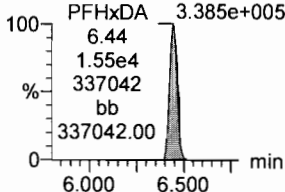


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
1.406e+007

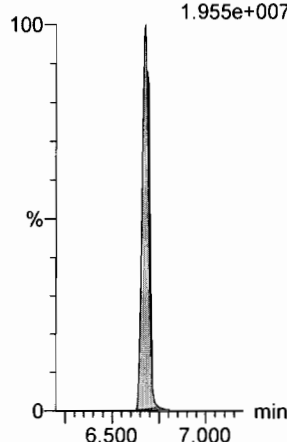


F63:MRM of 2 channels,ES-
813.1 > 219
3.385e+005



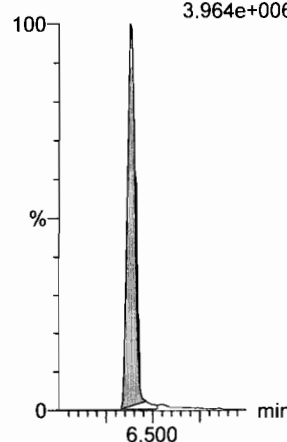
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
1.955e+007



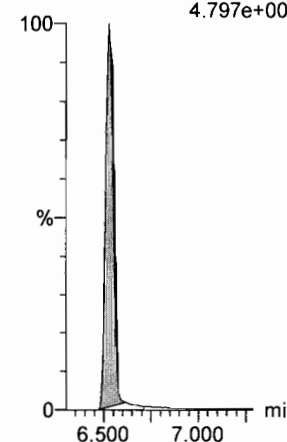
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
3.964e+006



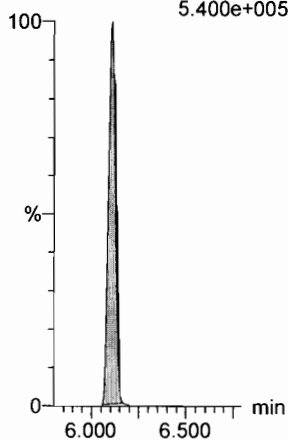
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
4.797e+006



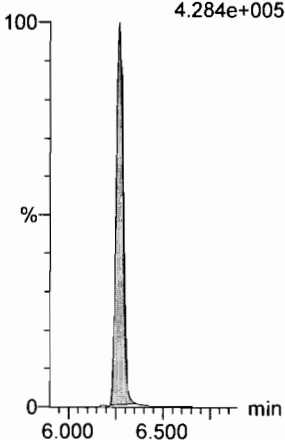
13C2-PFTeDA

F62:MRM of 2 channels,ES-
714.8 > 669.6
5.400e+005



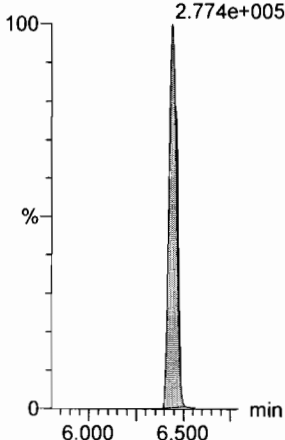
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
4.284e+005



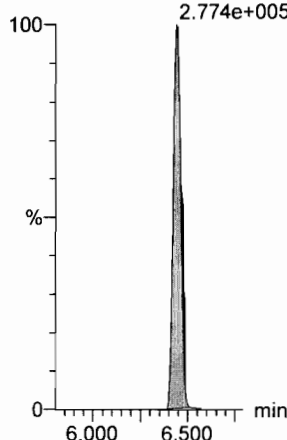
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.774e+005



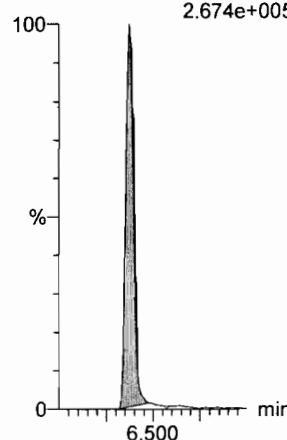
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
2.774e+005



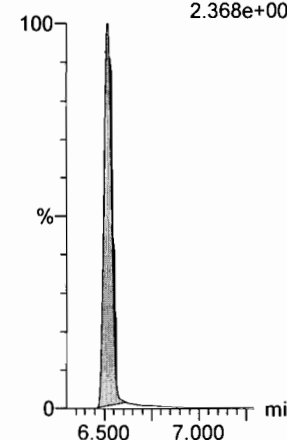
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
2.674e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.368e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-CRV.qld

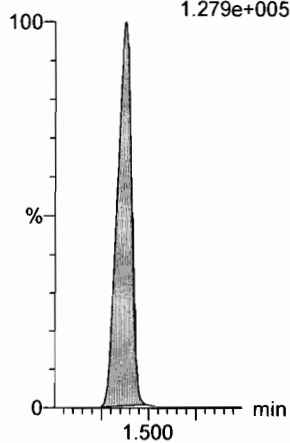
Last Altered: Monday, June 04, 2018 08:44:22 Pacific Daylight Time

Printed: Monday, June 04, 2018 08:45:41 Pacific Daylight Time

Name: 180603M2_11, Date: 03-Jun-2018, Time: 19:42:03, ID: ST180603M2-10 PFC CS7 18E2911, Description: PFC CS7 18E2911

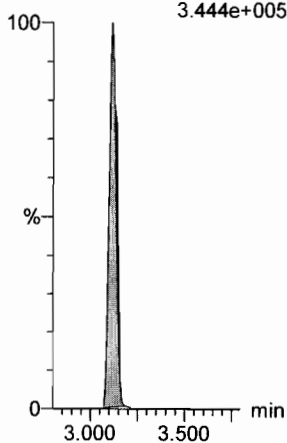
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
1.279e+005



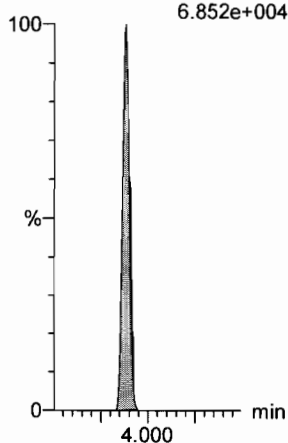
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
3.444e+005



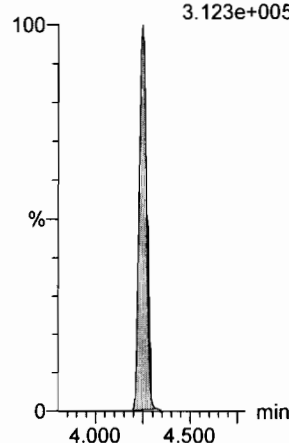
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
6.852e+004



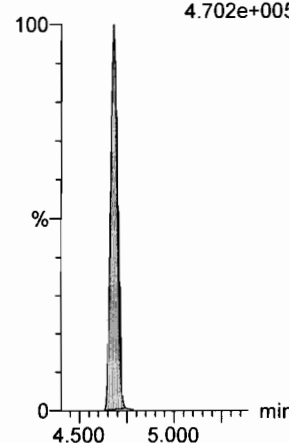
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
3.123e+005



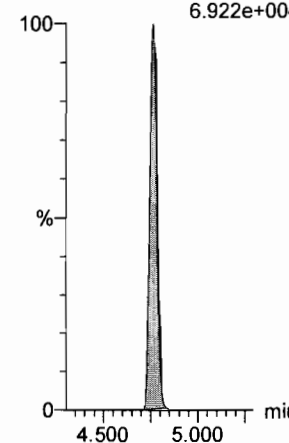
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.702e+005



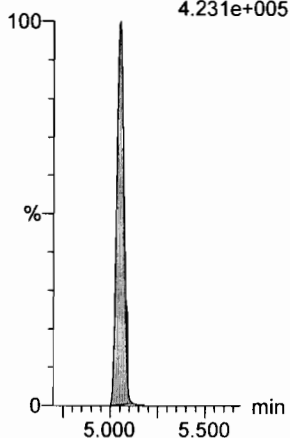
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
6.922e+004



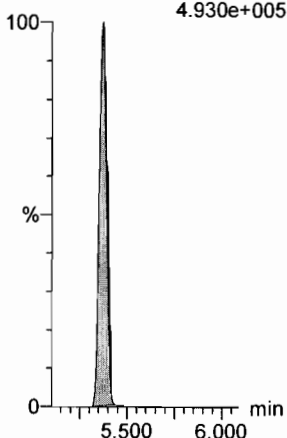
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.231e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
4.930e+005



Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-ICV.qld

Last Altered: Monday, June 04, 2018 09:09:21 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:09:44 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_13, Date: 03-Jun-2018, Time: 20:02:58, ID: ICV180603M2-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 16...	8.78e3	1.02e4		1.38	1.38	10.7	9.57	95.7	NO		
2	2 PFPeA	263.1 > 21...	1.10e4	1.48e4		2.35	2.35	9.31	9.20	92.0	NO		
3	3 PFBS	299.0 > 79.7	2.21e3	1.67e3		2.63	2.63	16.5	8.46	84.6	NO	2.570	NO
4	4 4:2 FTS	327.2>307.2	3.07e3	3.70e3		3.03	3.03	10.4	9.14	91.4	NO	2.069	NO
5	5 PFHxA	313.2 > 26...	1.51e4	4.94e3		3.12	3.12	15.2	9.94	99.4	NO	309.838	YES
6	6 PFPeS	349.1>80.1	2.27e3	1.67e3		3.33	3.32	17.0	9.25	92.5	NO	1.774	NO
7	7 PFHpA	363.0 > 31...	1.24e4	1.42e4		3.73	3.73	10.9	9.47	94.7	NO	19.128	NO
8	8 L-PFHxS	398.9 > 79.6	1.73e3	1.42e3		3.88	3.88	15.2	7.93	79.3	NO	1.552	NO
9	10 6:2 FTS	427.1 > 407	3.62e3	3.95e3		4.19	4.19	11.4	9.76	97.6	NO	3.037	NO
10	11 L-PFOA	413 > 368.7	1.73e4	2.24e4		4.25	4.25	9.68	9.78	97.8	NO	4.742	NO
11	13 PFHpS	449 > 80.0	2.43e3	2.24e4		4.36	4.36	1.36	8.43	84.3	NO	1.959	NO
12	14 PFNA	463.0 > 41...	2.03e4	2.14e4		4.68	4.68	11.8	8.79	87.9	NO	4.942	NO
13	15 PFOSA	498.2 > 77.9	2.61e3	3.67e3		4.75	4.76	8.91	10.5	105.1	NO	18.450	NO
14	16 L-PFOS	499.1 > 79.9	2.39e3	3.45e3		4.77	4.76	8.65	9.43	94.3	NO	2.074	NO
15	18 PFDA	513 > 468.8	2.01e4	2.69e4		5.06	5.05	9.37	9.21	92.1	NO	7.441	NO
16	19 8:2 FTS	527 > 506.9	3.56e3	3.54e3		5.03	5.02	12.6	8.83	88.3	NO	2.681	NO
17	20 PFNS	549.1>80.1	2.03e3	3.45e3		5.13	5.12	7.34	9.13	91.3	NO	1.522	NO
18	21 L-MeFOSAA	570.1 > 419	7.96e3	4.39e3		5.22	5.20	22.6	11.2	112.3	NO	14.998	NO
19	23 L-EtFOSAA	584.2 > 419	6.19e3	5.50e3		5.37	5.36	14.1	11.8	118.2	NO	17.602	NO

[Handwritten Signature]
6/4/18

GM 6/4/2018

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-ICV.qld

Last Altered: Monday, June 04, 2018 09:09:21 Pacific Daylight Time
Printed: Monday, June 04, 2018 09:09:52 Pacific Daylight Time

Ⓐ Compounds not present in ICV

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_13, Date: 03-Jun-2018, Time: 20:02:58, ID: ICV180603M2-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	25 PFUdA	563.0 > 51...	1.75e4	2.54e4		5.39	5.37	8.60	9.37	93.7	NO	11.328	NO
2	26 PFDS	598.8 > 80	2.81e3	2.54e4		5.44	5.42	1.38	9.11	91.1	NO	2.274	NO
3	27 PFDaA	612.9 > 56...	2.36e4	2.57e4		5.67	5.65	11.5	8.07	80.7	NO	10.975	NO
4	28 N-MeFOSA	512.1 > 16...		1.57e4		5.83				Ⓐ	NO		
5	29 PFTrDA	662.9 > 61...	2.44e4	2.57e4		5.92	5.89	11.8	8.20	82.0	NO	28.584	NO
6	30 PFTeDA	712.9 > 66...	2.06e4	2.62e4		6.14	6.11	9.85	8.96	89.6	NO	15.271	NO
7	31 N-EtFOSA	526.1 > 16...		2.10e4		6.24				Ⓐ	NO		
8	32 PFHxDA	813.1 > 76...		1.28e4		6.48					NO		
9	33 PFODA	913.1 > 86...		1.28e4		6.71					NO		
10	34 N-MeFOSE	616.1 > 58.9		1.11e4		6.41					NO		
11	35 N-EtFOSE	630.1 > 58.9		1.04e4		6.56					NO		
12	36 13C3-PFBA	216.1 > 17...	1.02e4	1.14e4	0.892	1.33	1.38	11.2	12.5	100.2	NO		
13	37 13C3-PFPeA	266. > 221.8	1.48e4	1.66e4	0.848	2.32	2.35	11.1	13.1	105.0	NO		
14	38 13C3-PFBS	302. > 98.8	1.67e3	1.66e4	0.102	2.61	2.63	1.26	12.3	98.4	NO		
15	39 13C2-4:2 FTS	329.2>308.9	3.70e3	1.66e4	0.231	3.02	3.03	2.78	12.0	96.2	NO		
16	40 13C2-PFHxA	315 > 269.8	4.94e3	1.66e4	0.744	3.10	3.12	3.71	4.99	99.7	NO		
17	41 13C4-PFHpA	367.2 > 32...	1.42e4	1.66e4	0.841	3.72	3.73	10.7	12.7	101.3	NO		
18	42 18O2-PFHxS	403.0 > 10...	1.42e3	3.55e3	0.415	3.87	3.88	5.00	12.1	96.5	NO		
19	43 13C2-6:2 FTS	429.1 > 40...	3.95e3	1.87e4	0.232	4.19	4.19	2.64	11.4	91.3	NO		
20	44 13C2-PFOA	414.9 > 36...	2.24e4	1.87e4	1.256	4.25	4.25	15.0	11.9	95.3	NO		
21	45 13C5-PFNA	468.2 > 42...	2.14e4	2.10e4	0.960	4.69	4.69	12.7	13.3	106.3	NO		
22	46 13C8-PFOSA	506.1 > 77.7	3.67e3	2.83e4	0.145	4.75	4.76	1.62	11.2	89.2	NO		
23	47 13C8-PFOS	507.0 > 79.9	3.45e3	3.48e3	1.047	4.77	4.76	12.4	11.9	94.8	NO		
24	48 13C2-PFDA	515.1 > 46...	2.69e4	2.33e4	1.118	5.06	5.05	14.4	12.9	103.1	NO		
25	49 13C2-8:2 FTS	529.1 > 50...	3.54e3	1.66e4	0.211	5.03	5.02	2.66	12.6	100.8	NO		
26	50 d3-N-MeFOSAA	573.3 > 419	4.39e3	2.83e4	0.182	5.21	5.20	1.94	10.6	85.0	NO		
27	51 d5-N-EtFOSAA	589.3 > 419	5.50e3	2.83e4	0.223	5.37	5.35	2.43	10.9	87.2	NO		
28	52 13C2-PFUdA	565 > 519.8	2.54e4	2.83e4	0.958	5.39	5.37	11.2	11.7	93.7	NO		
29	53 13C2-PFDaA	615.0 > 56...	2.57e4	2.33e4	1.138	5.67	5.65	13.8	12.1	96.9	NO		
30	54 d3-N-MeFOSA	515.2 > 16...	1.57e4	2.83e4	0.051	5.85	5.89	6.91	136	90.7	NO		
31	55 13C2-PFTeDA	714.8 > 66...	2.62e4	2.83e4	0.862	6.14	6.11	11.6	13.4	107.3	NO		
32	56 d5-N-ETFOSA	531.1 > 16...	2.10e4	2.83e4	0.066	6.26	6.27	9.26	140	93.2	NO		

GM 6/4/2018

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Name: 180603M2_13, Date: 03-Jun-2018, Time: 20:02:58, ID: ICV180603M2-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
33	57 13C2-PFHxDA	815 > 769.7	1.28e4	2.83e4	1.173	6.48	6.44	5.63	4.80	96.0	NO		
34	58 d7-N-MeFOSE	623.1 > 58.9	1.11e4	2.83e4	0.038	6.40	6.37	4.89	130	86.7	NO		
35	59 d9-N-EtFOSE	639.2 > 58.8	1.04e4	2.83e4	0.035	6.54	6.52	4.60	130	86.7	NO		
36	60 13C4-PFBA	217. > 171.8	1.14e4	1.14e4	1.000	1.33	1.38	12.5	12.5	100.0	NO		
37	61 13C5-PFHxA	318 > 272.9	1.66e4	1.66e4	1.000	3.10	3.12	12.5	12.5	100.0	NO		
38	62 13C3-PFHxS	401.9 > 79.9	3.55e3	3.55e3	1.000	3.87	3.88	12.5	12.5	100.0	NO		
39	63 13C8-PFOA	421.3 > 376	1.87e4	1.87e4	1.000	4.25	4.25	12.5	12.5	100.0	NO		
40	64 13C9-PFNA	472.2 > 42...	2.10e4	2.10e4	1.000	4.69	4.68	12.5	12.5	100.0	NO		
41	65 13C4-PFOS	503 > 79.9	3.48e3	3.48e3	1.000	4.77	4.76	12.5	12.5	100.0	NO		
42	66 13C6-PFDA	519.1 > 47...	2.33e4	2.33e4	1.000	5.06	5.05	12.5	12.5	100.0	NO		
43	67 13C7-PFUdA	570.1 > 52...	2.83e4	2.83e4	1.000	5.39	5.37	12.5	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-ICV.qld

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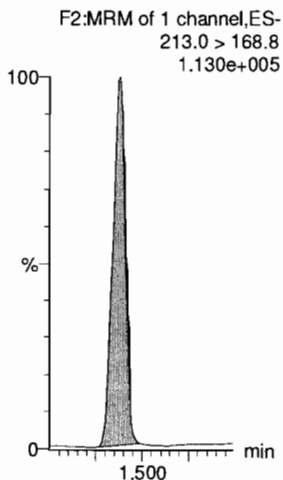
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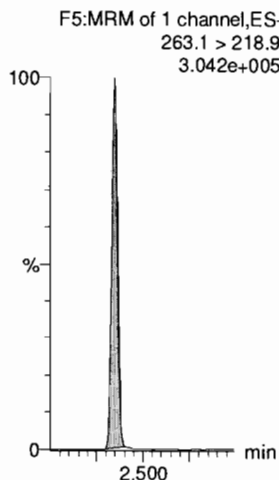
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Name: 180603M2_13, Date: 03-Jun-2018, Time: 20:02:58, ID: ICV180603M2-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

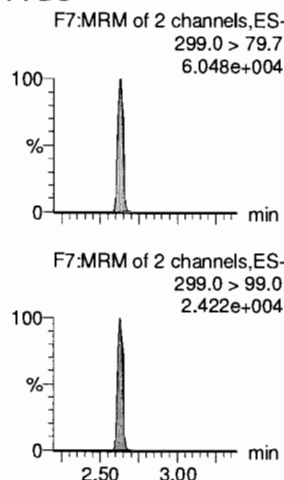
PFBA



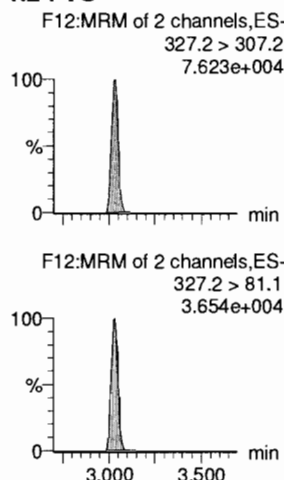
PFPeA



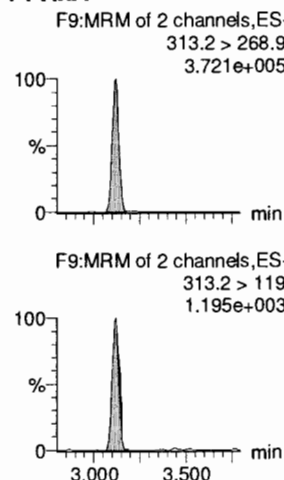
PFBS



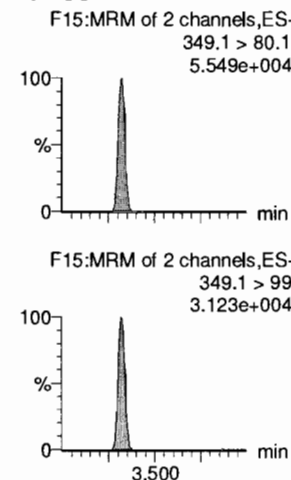
4:2 FTS



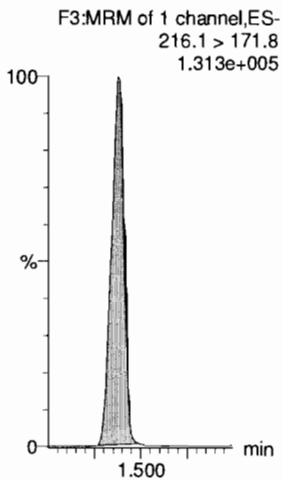
PFHxA



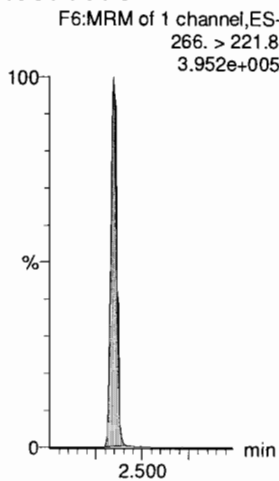
PFPeS



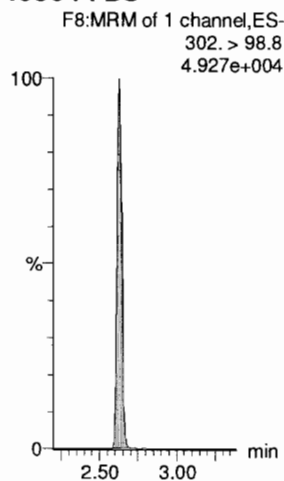
13C3-PFBA



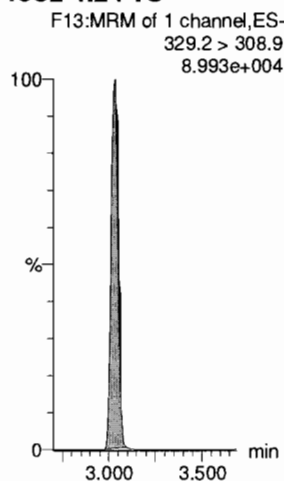
13C3-PFPeA



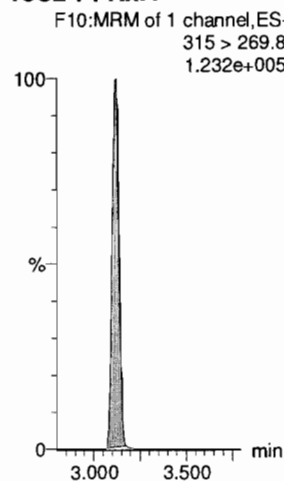
13C3-PFBS



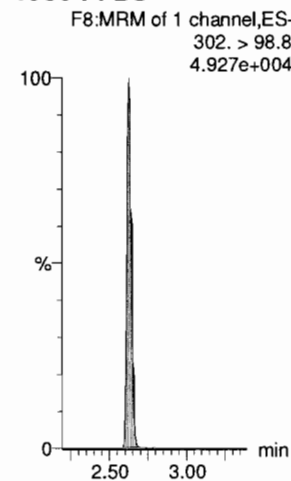
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



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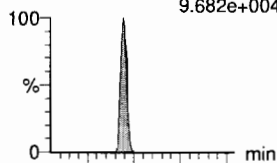
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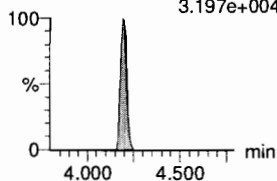
Name: 180603M2_13, Date: 03-Jun-2018, Time: 20:02:58, ID: ICV180603M2-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
9.682e+004

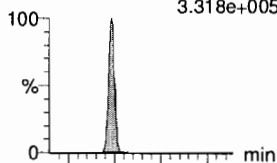


F24:MRM of 2 channels,ES-
427.1 > 80
3.197e+004

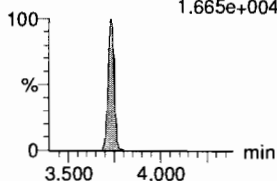


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
3.318e+005

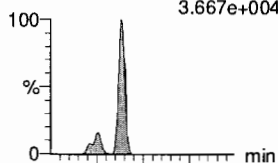


F16:MRM of 2 channels,ES-
363.0 > 169.0
1.665e+004

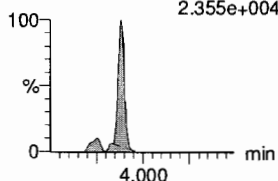


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
3.667e+004

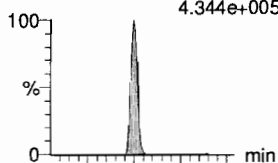


F18:MRM of 2 channels,ES-
398.9 > 99.0
2.355e+004

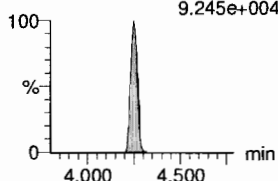


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
4.344e+005

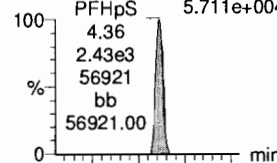


F21:MRM of 2 channels,ES-
413 > 169
9.245e+004

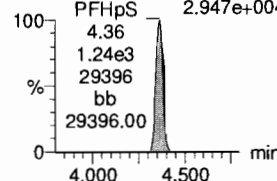


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
5.711e+004

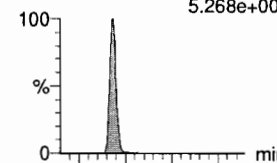


F26:MRM of 2 channels,ES-
449 > 98.7
2.947e+004

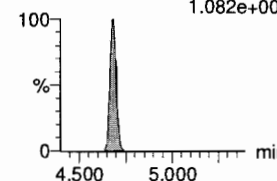


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
5.268e+005

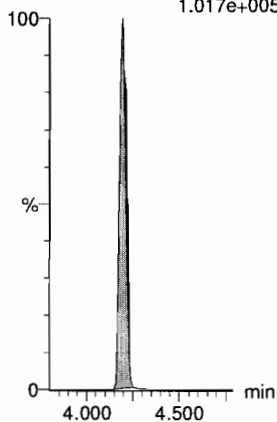


F27:MRM of 2 channels,ES-
463.0 > 219.0
1.082e+005



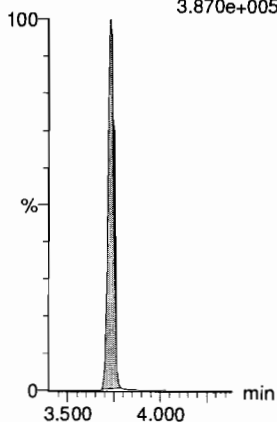
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
1.017e+005



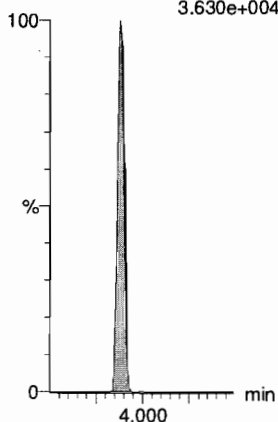
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
3.870e+005



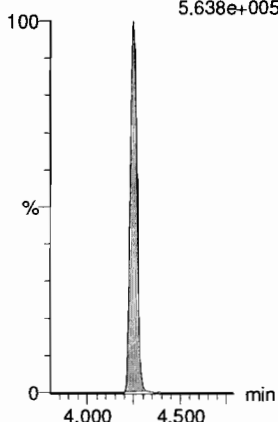
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
3.630e+004



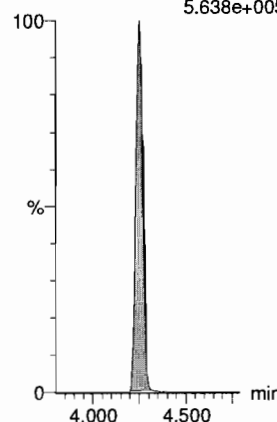
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
5.638e+005



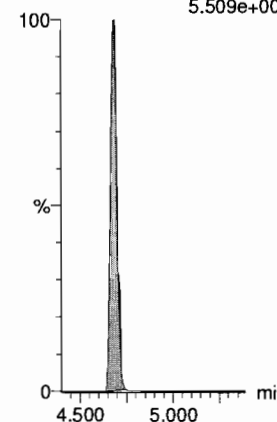
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
5.638e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
5.509e+005



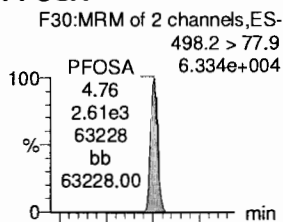
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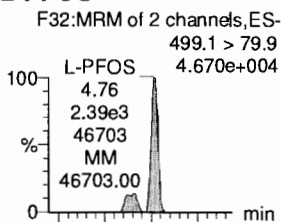
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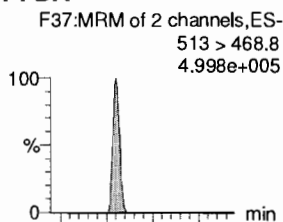
PFOSA



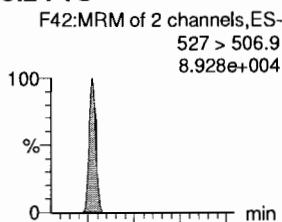
L-PFOS



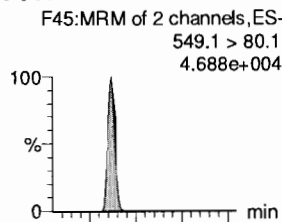
PFDA



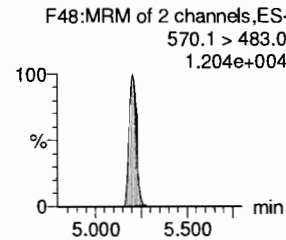
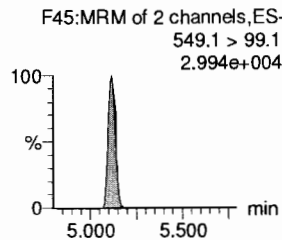
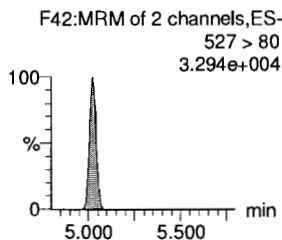
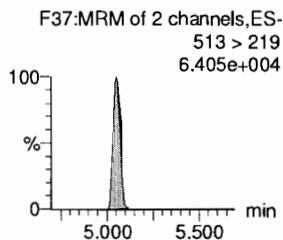
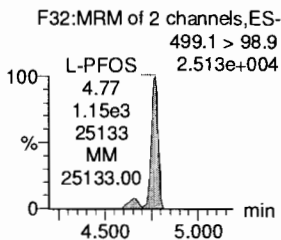
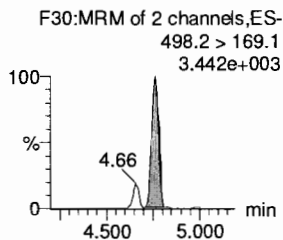
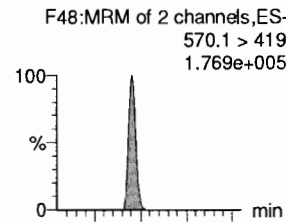
8:2 FTS



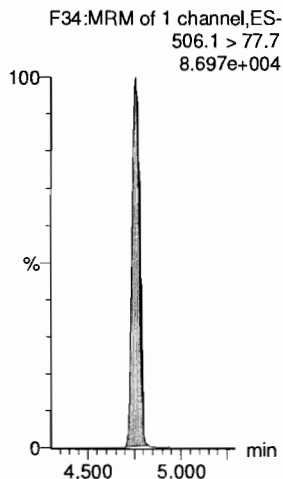
PFNS



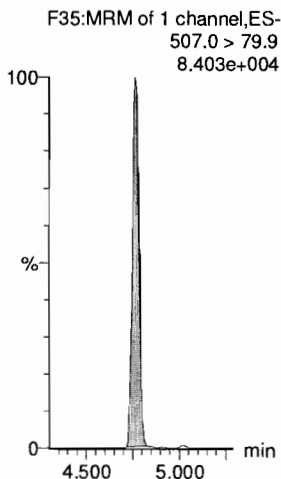
L-MeFOSAA



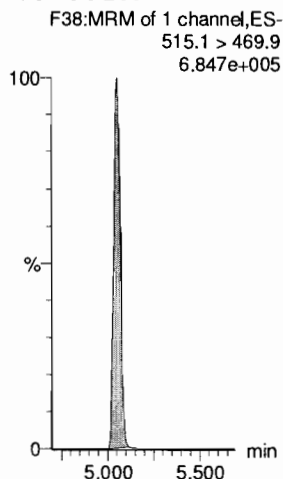
13C8-PFOSA



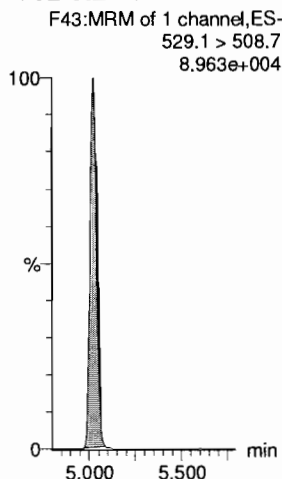
13C8-PFOS



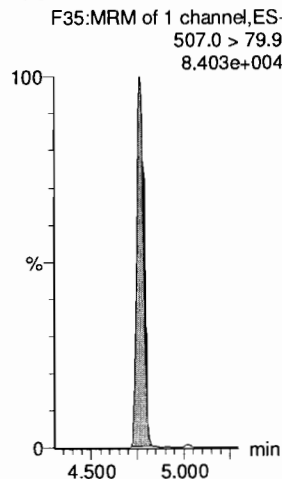
13C2-PFDA



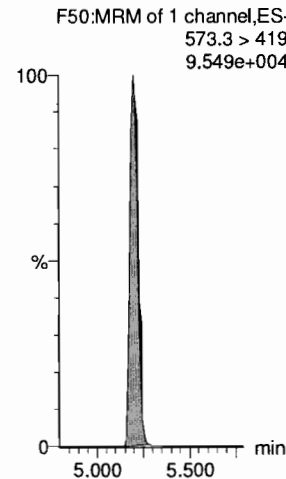
13C2-8:2 FTS



13C8-PFOS



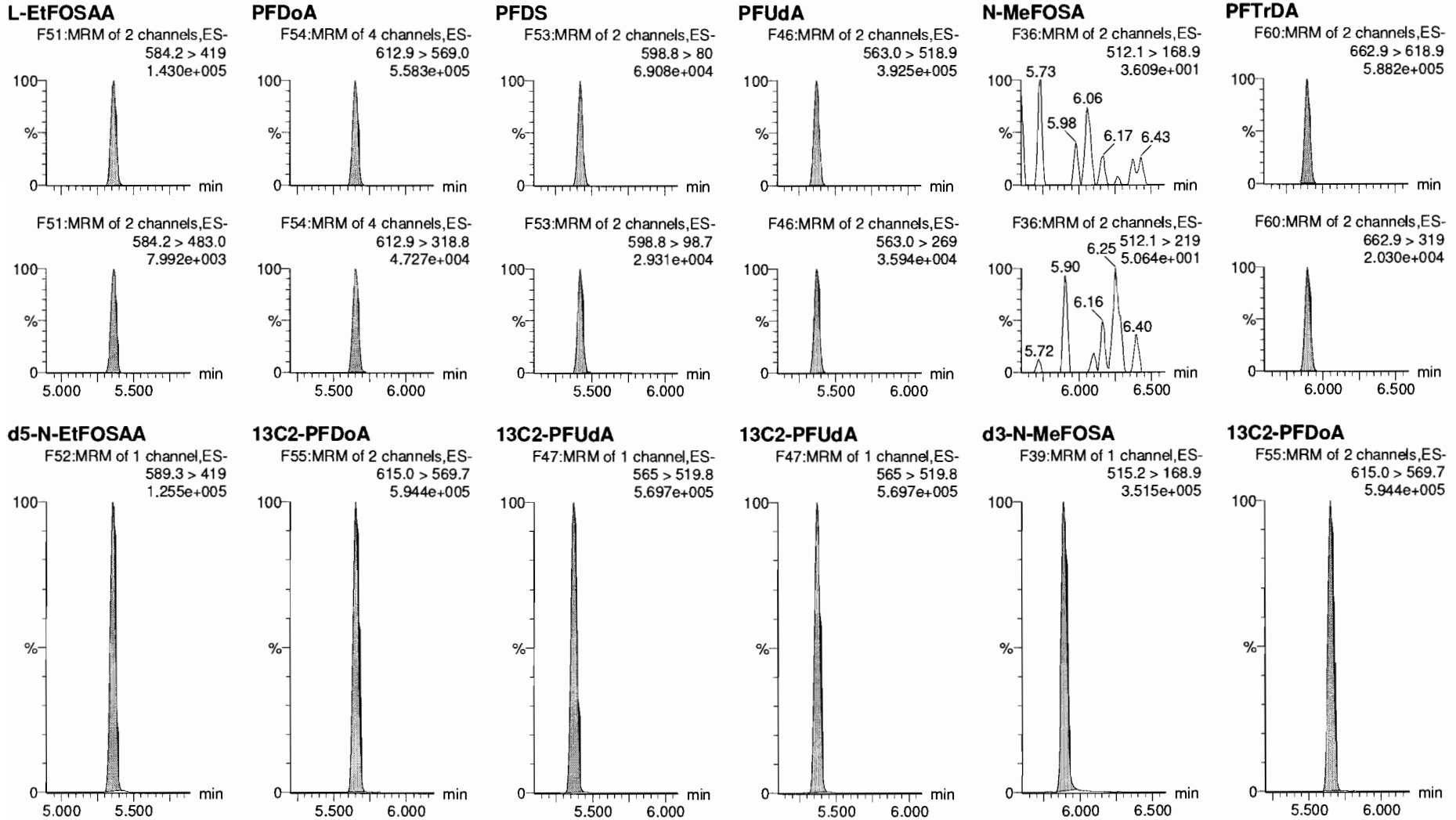
d3-N-MeFOSAA



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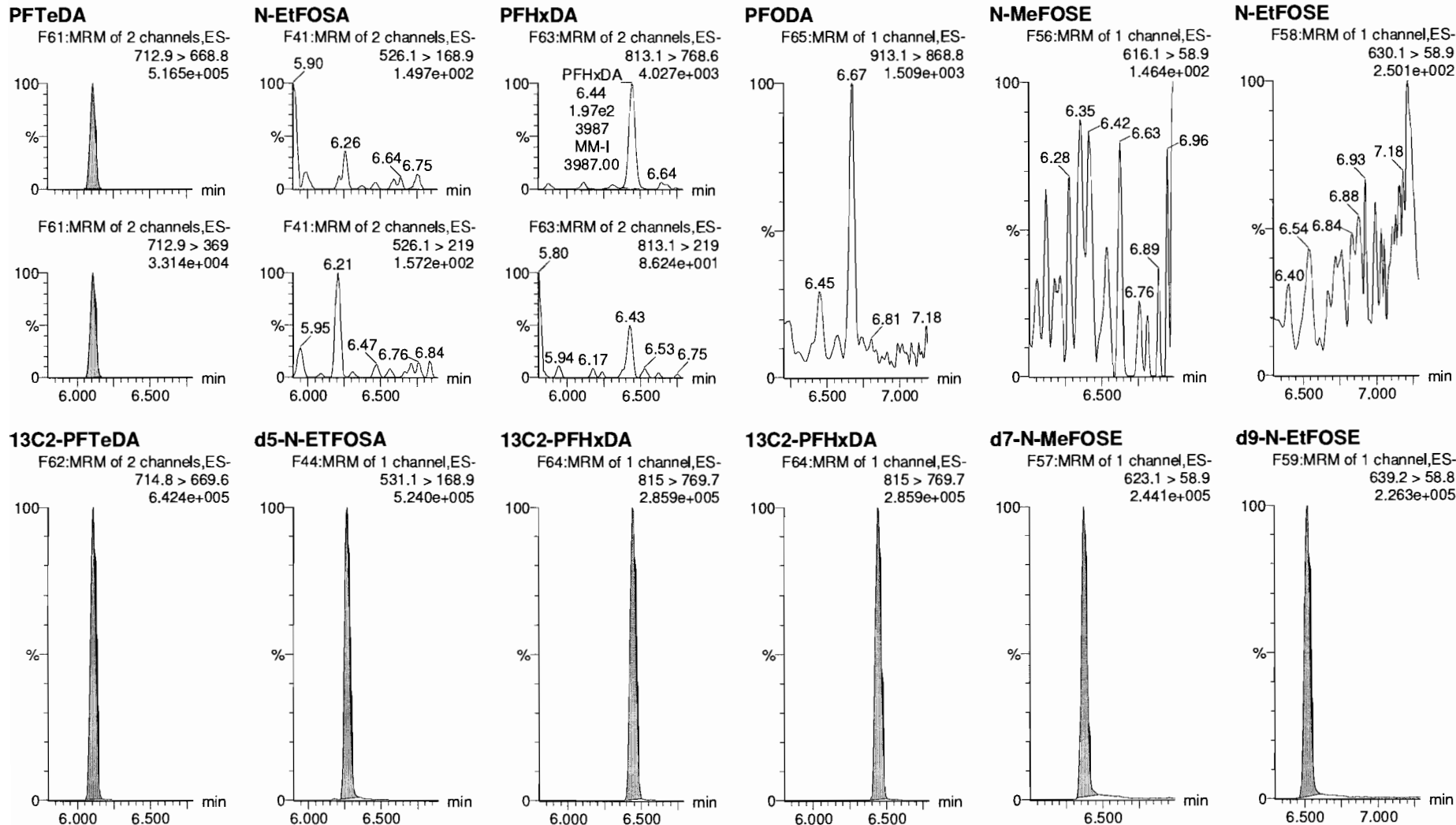


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Printed: Monday, June 04, 2018 09:09:52 Pacific Daylight Time

Name: 180603M2_13, Date: 03-Jun-2018, Time: 20:02:58, ID: ICV180603M2-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

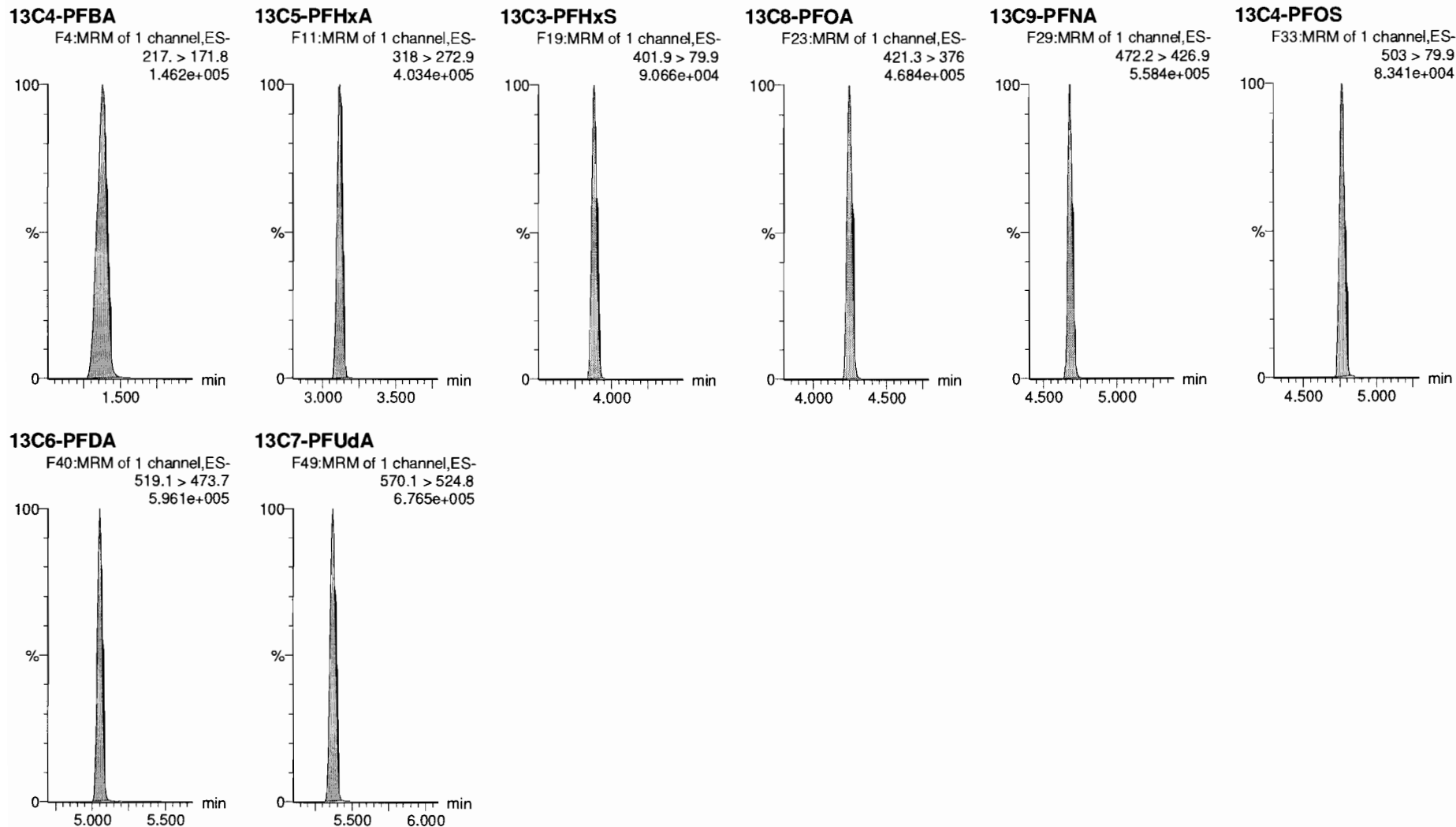


Dataset: F:\Projects\PFAS.PRO\Results\180603M2\180603M2-ICV.qld

Last Altered: Monday, June 04, 2018 09:09:21 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:09:52 Pacific Daylight Time

Name: 180603M2_13, Date: 03-Jun-2018, Time: 20:02:58, ID: ICV180603M2-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901



Dataset: Untitled

Last Altered: Monday, June 04, 2018 09:11:19 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:11:28 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_060318.mdb 04 Jun 2018 08:21:34

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_06-03-18.cdb 04 Jun 2018 08:44:22

Name: 180603M2_12, Date: 03-Jun-2018, Time: 19:52:27, ID: IPA, Description: IPA

PFBA

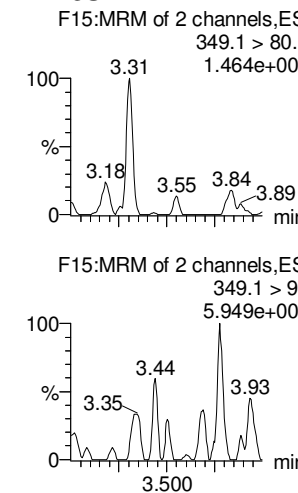
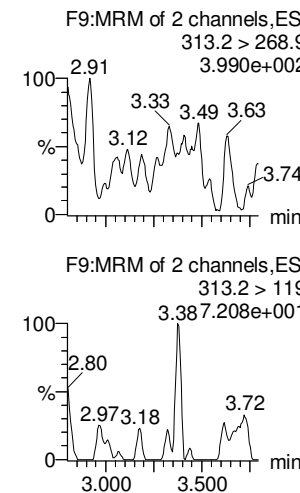
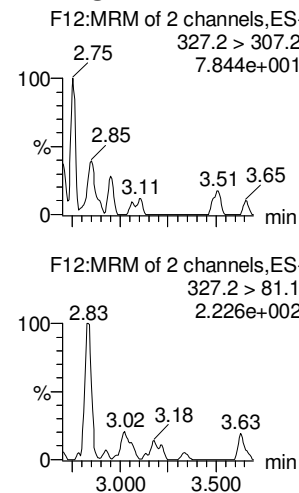
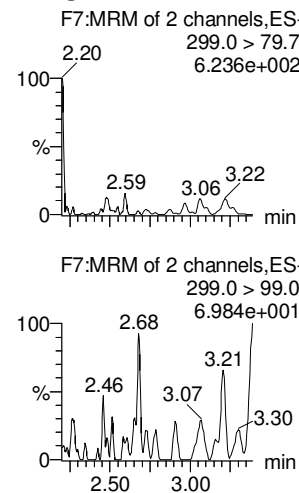
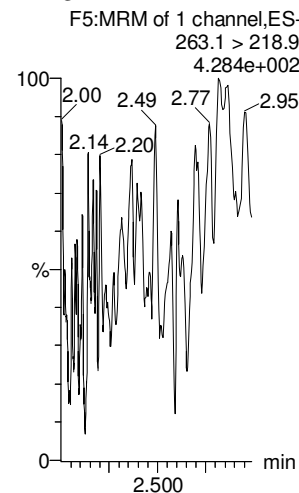
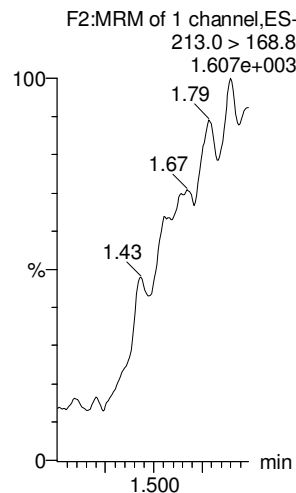
PFPeA

PFBS

4:2 FTS

PFHxA

PFPeS



13C3-PFBA

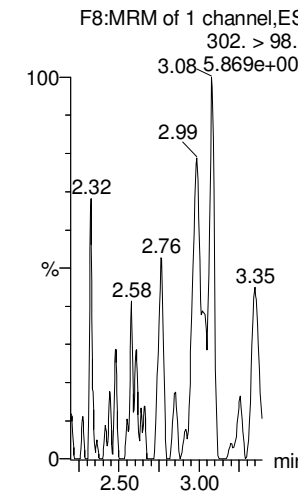
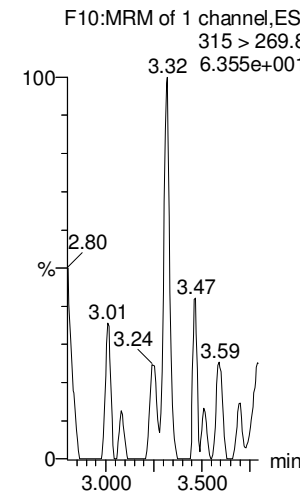
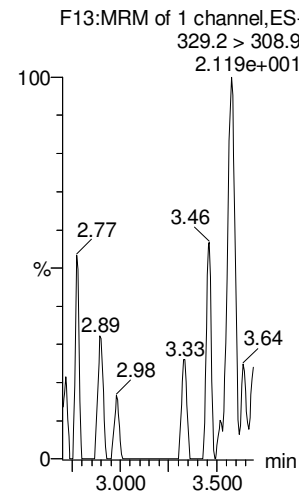
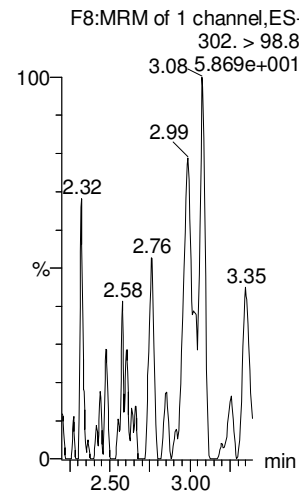
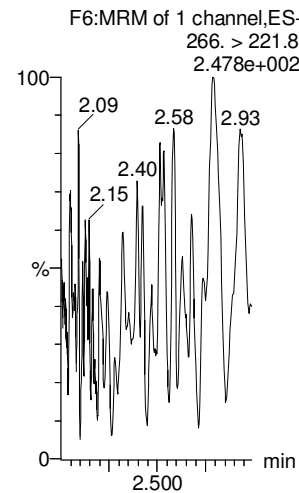
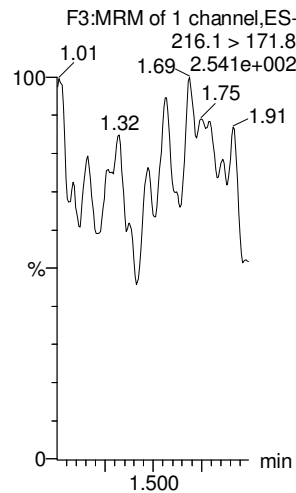
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13C3-PFBS

13C2-4:2 FTS

13C2-PFHxA

13C3-PFBS



Dataset: Untitled

Last Altered: Monday, June 04, 2018 09:11:19 Pacific Daylight Time

Printed: Monday, June 04, 2018 09:11:28 Pacific Daylight Time

Name: 180603M2_12, Date: 03-Jun-2018, Time: 19:52:27, ID: IPA, Description: IPA

6:2 FTS

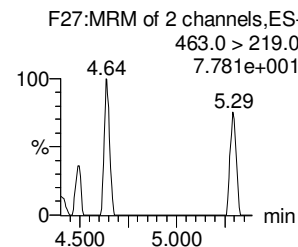
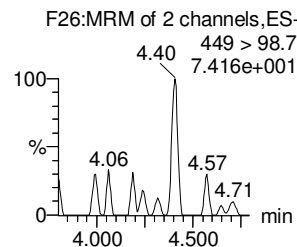
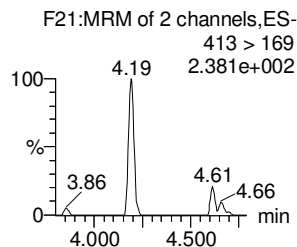
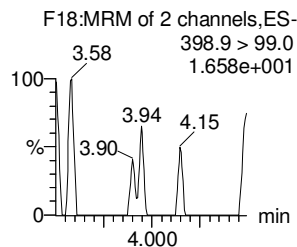
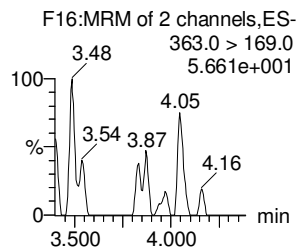
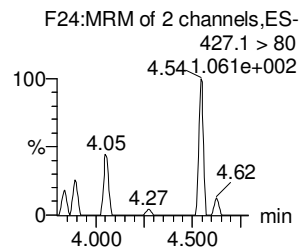
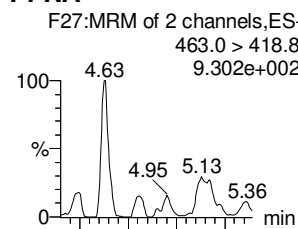
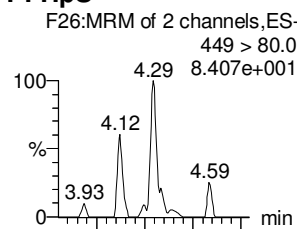
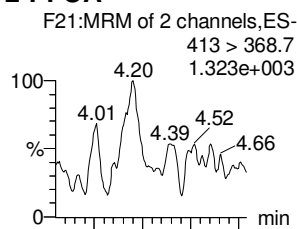
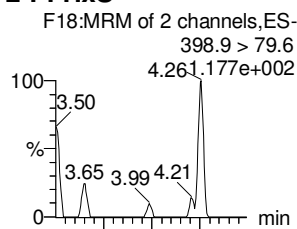
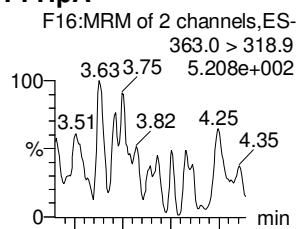
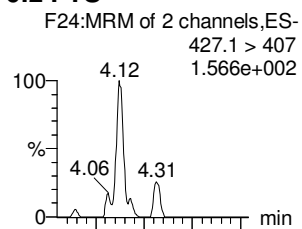
PFHpA

L-PFHxS

L-PFOA

PFHpS

PFNA



13C2-6:2 FTS

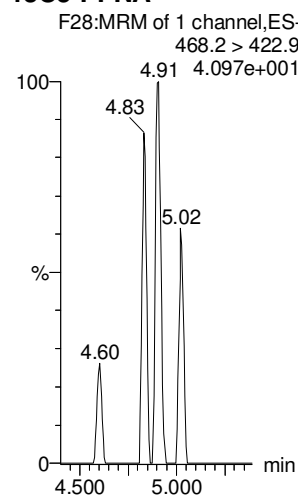
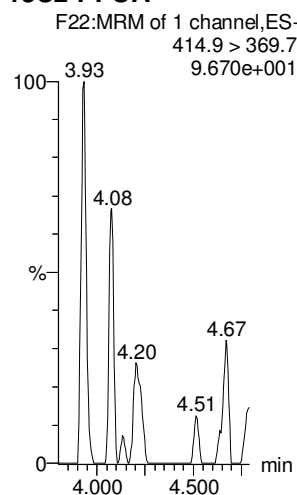
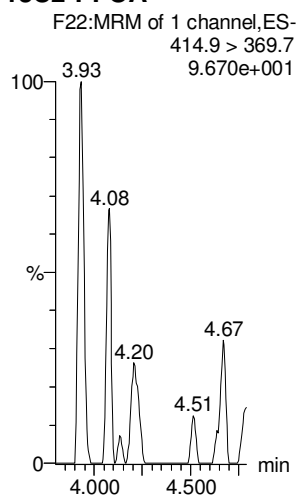
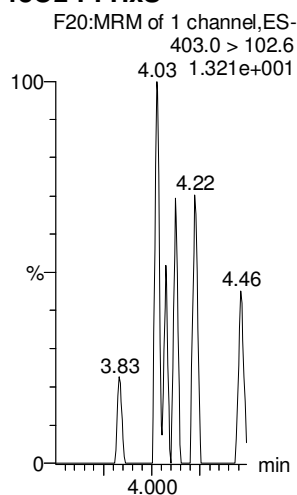
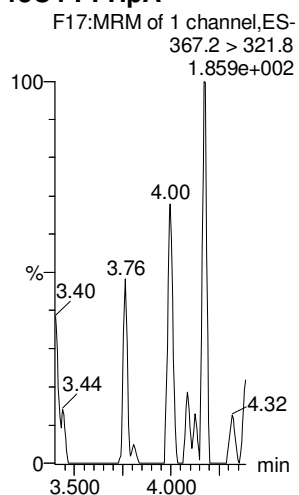
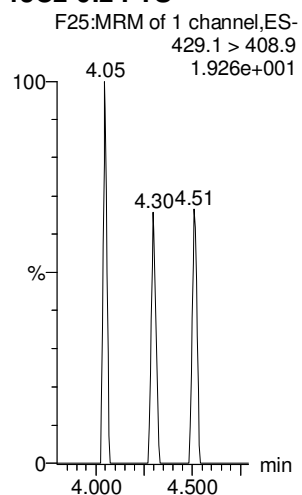
13C4-PFHpA

18O2-PFHxS

13C2-PFOA

13C2-PFOA

13C5-PFNA



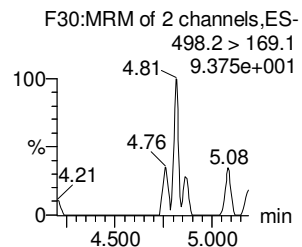
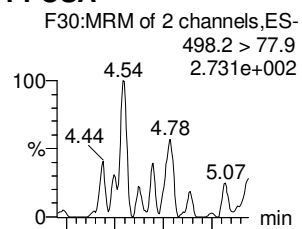
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Last Altered: Monday, June 04, 2018 09:11:19 Pacific Daylight Time

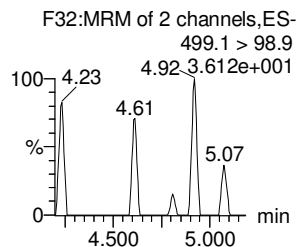
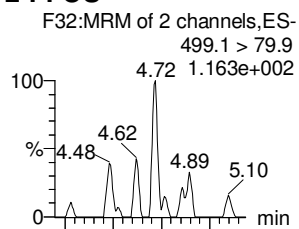
Printed: Monday, June 04, 2018 09:11:28 Pacific Daylight Time

Name: 180603M2_12, Date: 03-Jun-2018, Time: 19:52:27, ID: IPA, Description: IPA

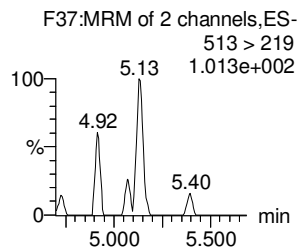
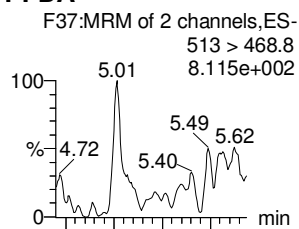
PFOSA



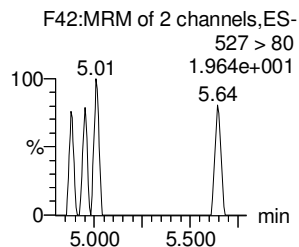
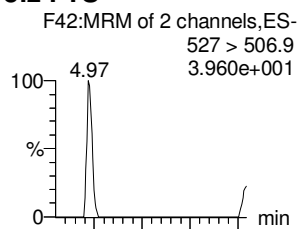
L-PFOS



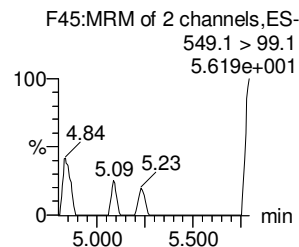
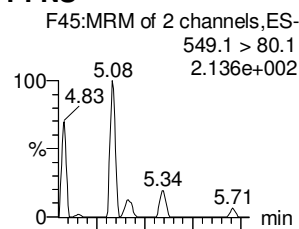
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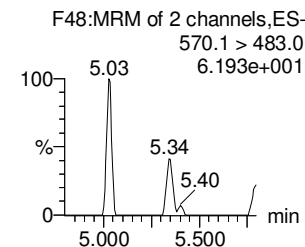
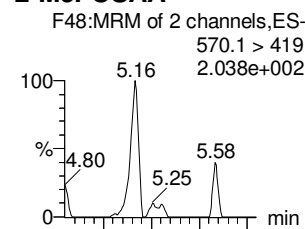
8:2 FTS



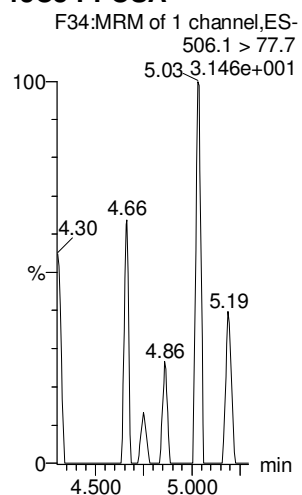
PFNS



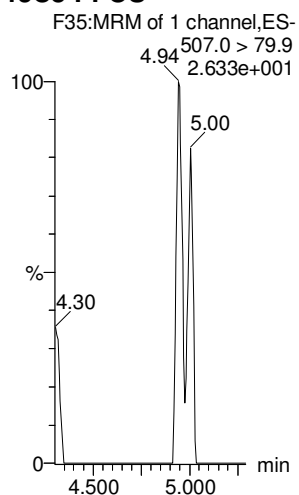
L-MeFOSAA



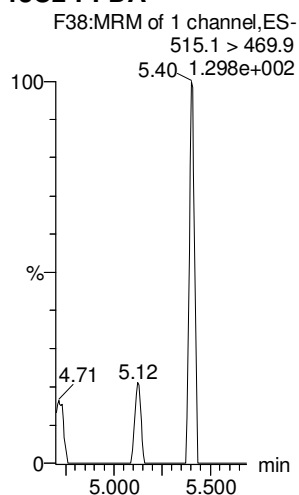
13C8-PFOA



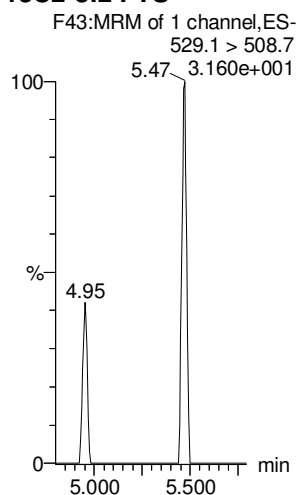
13C8-PFOS



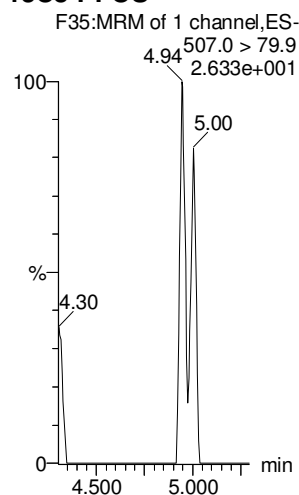
13C2-PFDA



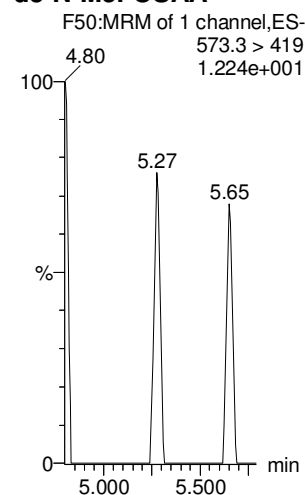
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



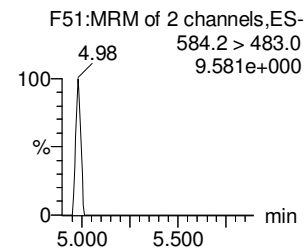
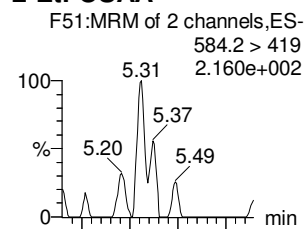
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Last Altered: Monday, June 04, 2018 09:11:19 Pacific Daylight Time

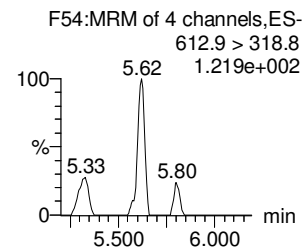
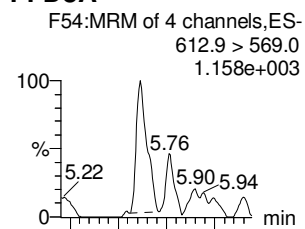
Printed: Monday, June 04, 2018 09:11:28 Pacific Daylight Time

Name: 180603M2_12, Date: 03-Jun-2018, Time: 19:52:27, ID: IPA, Description: IPA

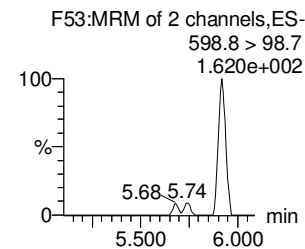
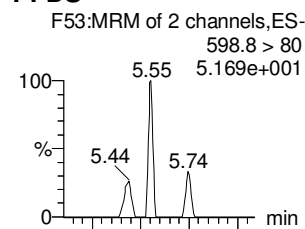
L-EtFOSAA



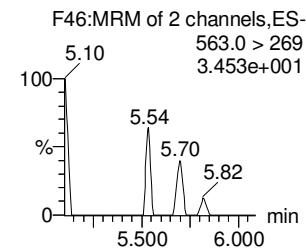
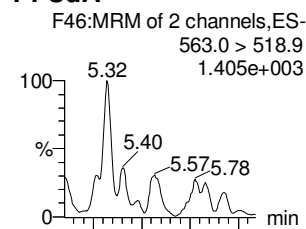
PFDoA



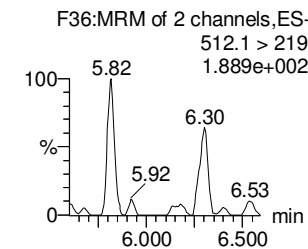
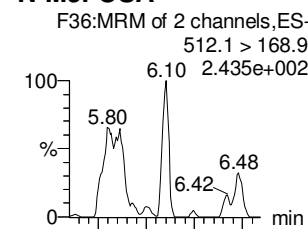
PFDS



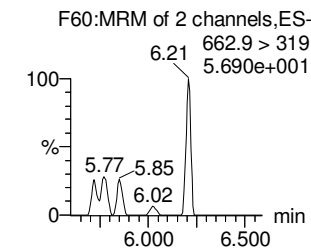
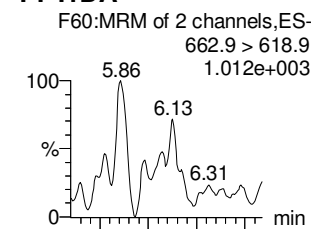
PFUdA



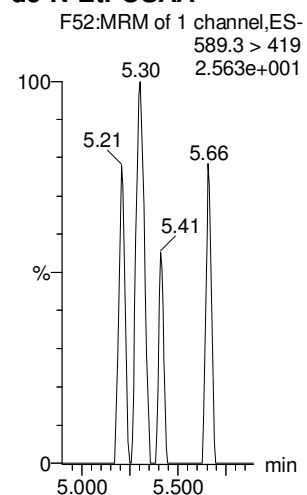
N-MeFOSA



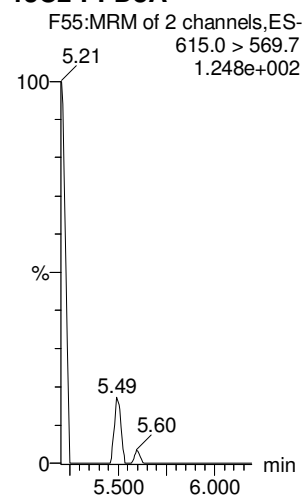
PFTrDA



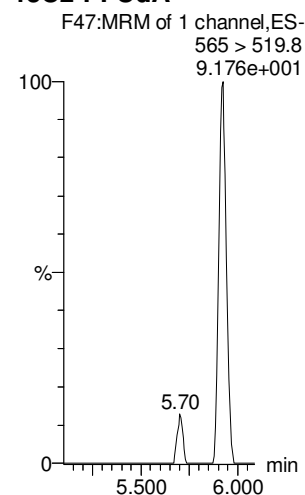
d5-N-EtFOSAA



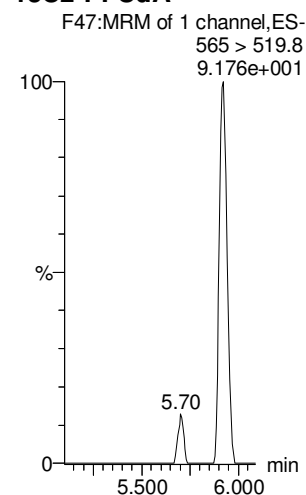
13C2-PFDoA



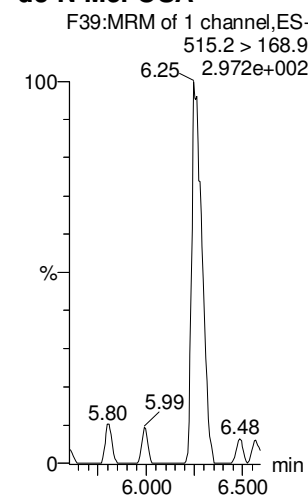
13C2-PFUdA



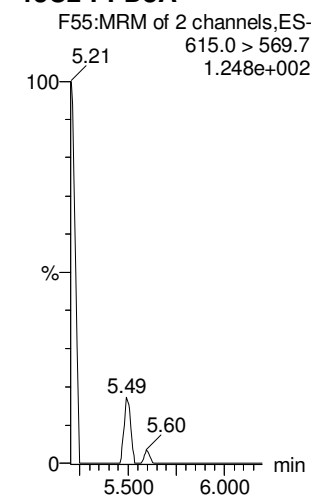
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



Dataset: Untitled

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Name: 180603M2_12, Date: 03-Jun-2018, Time: 19:52:27, ID: IPA, Description: IPA

PFTeDA

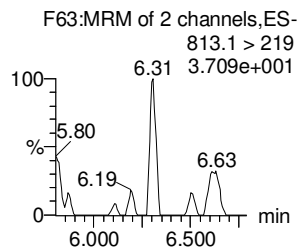
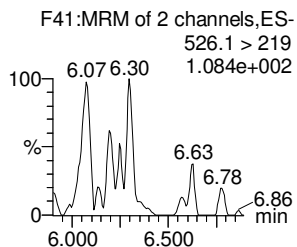
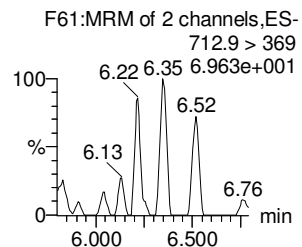
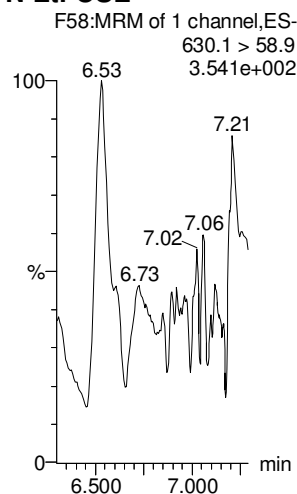
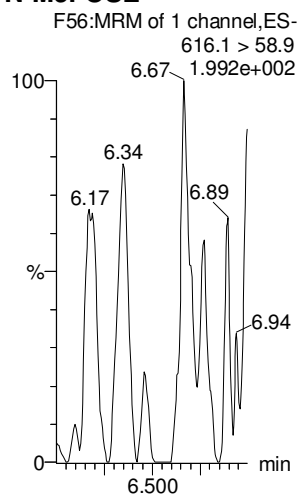
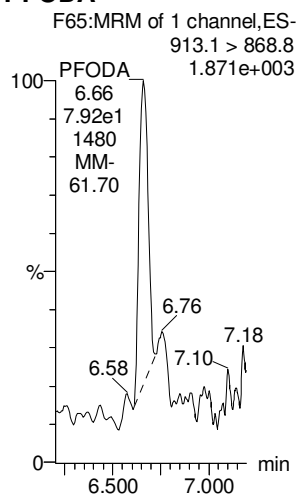
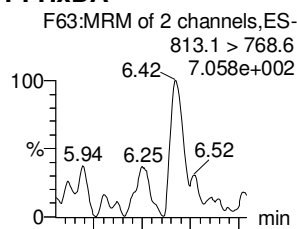
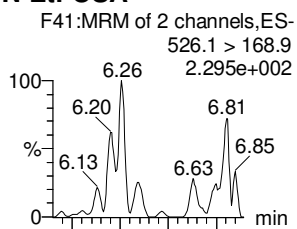
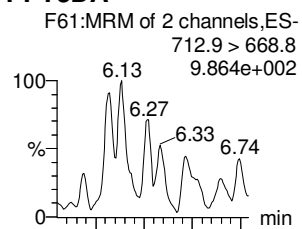
N-EtFOSA

PFHxDA

PFODA

N-MeFOSE

N-EtFOSE



13C2-PFTeDA

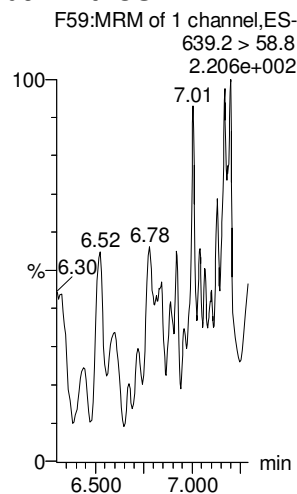
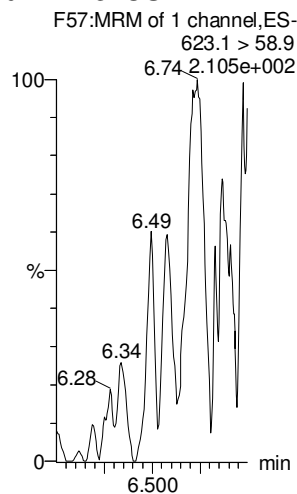
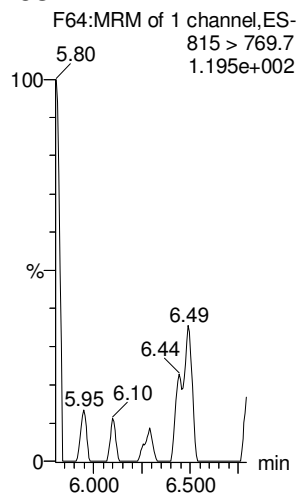
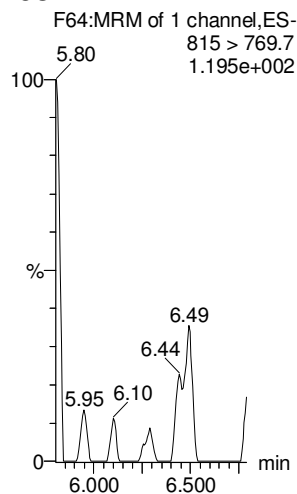
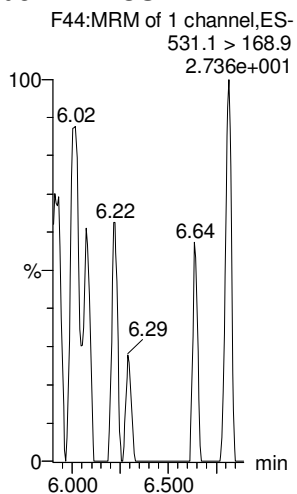
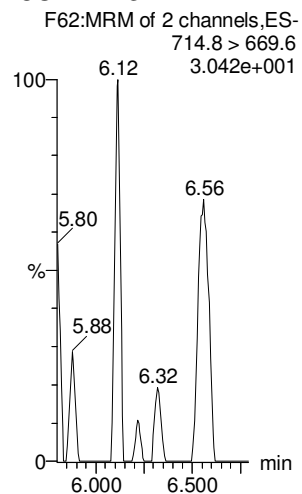
d5-N-ETFOSA

13C2-PFHxDA

13C2-PFHxDA

d7-N-MeFOSE

d9-N-EtFOSE



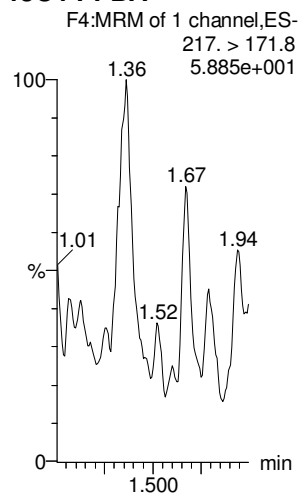
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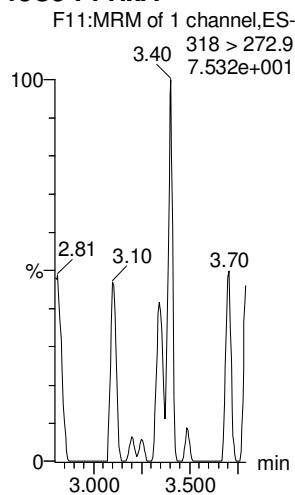
Printed: Monday, June 04, 2018 09:11:28 Pacific Daylight Time

Name: 180603M2_12, Date: 03-Jun-2018, Time: 19:52:27, ID: IPA, Description: IPA

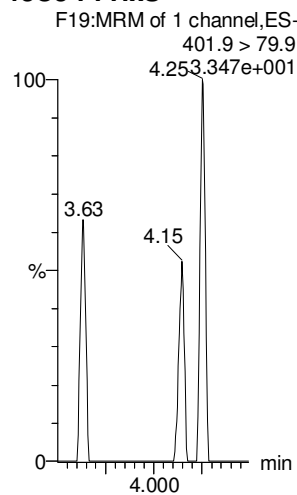
13C4-PFBA



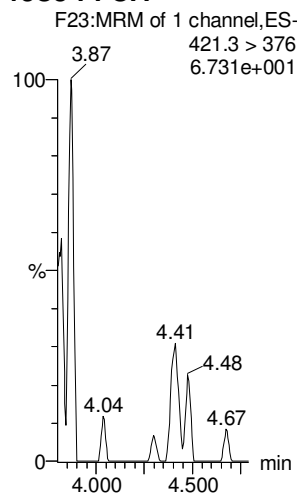
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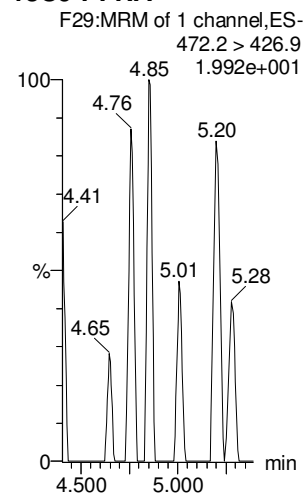
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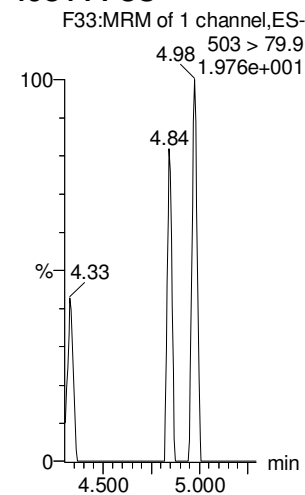
13C8-PFOA



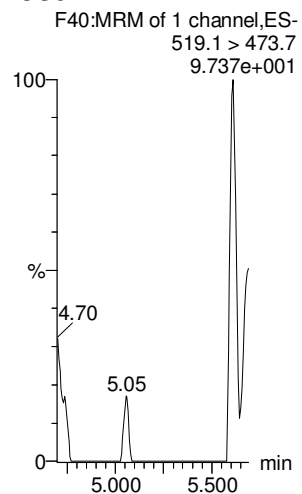
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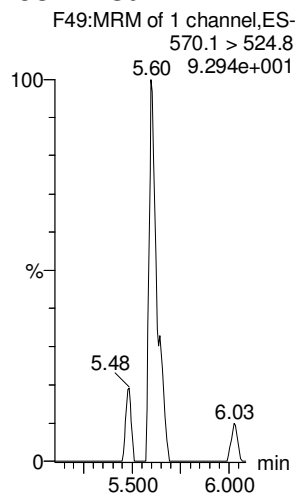
13C4-PFOS



13C6-PFDA



13C7-PFUdA



May 31, 2018

Vista Work Order No. 1801014

Ms. Maya Murshak
Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Dear Ms. Murshak,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 22, 2018. This sample set was analyzed on a rush turn-around time, under your Project Name 'Wurtsmith AFB'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1801014

Case Narrative

Sample Condition on Receipt:

Five aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

PFAS Isotope Dilution Method

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method (Modified EPA Method 537).

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ. The recoveries of MeFOSAA and PFDS were > 130% in the OPR. These analytes were not detected in the samples. The recoveries of all other analytes were within the method acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1801014-02	EB1805161635GSC	PFAS Isotope Dilution Method	13C2-PFUnA	H	58.3
B8E0209-BLK1	B8E0209-BLK1	PFAS Isotope Dilution Method	13C2-PFUnA	H	45.2
B8E0209-BS1	B8E0209-BS1	PFAS Isotope Dilution Method	13C2-PFUnA	H	59.5

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1801014-01	EB1805161240GSC	16-May-18 12:40	22-May-18 09:08	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1801014-02	EB1805161635GSC	16-May-18 16:35	22-May-18 09:08	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1801014-03	EB1805161740GSC	16-May-18 17:40	22-May-18 09:08	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1801014-04	EB1805161810GSC	16-May-18 18:10	22-May-18 09:08	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1801014-05	EB1805161835GSC	16-May-18 18:35	22-May-18 09:08	HDPE Bottle, 250 mL HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	B8E0209-BLK1	Column:	BEH C18
Project:	Wurtsmith AFB						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.365	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFPeA	ND	0.640	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFBS	ND	0.895	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFHxA	ND	1.09	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFHpA	ND	0.296	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFHxS	ND	0.474	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
Br-PFHxS	ND	0.474	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
Total PFHxS	ND	0.474	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-6:2 FTS	ND	1.00	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFOA	ND	0.580	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
Br-PFOA	ND	0.580	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
Total PFOA	ND	0.580	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFHpS	ND	0.469	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFNA	ND	0.405	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFOS	ND	0.404	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
Br-PFOS	ND	0.404	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
Total PFOS	ND	0.404	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFDA	ND	0.745	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-8:2FTS	ND	1.03	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-MeFOSAA	ND	0.825	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-EtFOSAA	ND	0.685	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFOSA	ND	0.885	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFUnA	ND	0.525	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFDS	ND	0.615	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFDoA	ND	0.396	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFTrDA	ND	0.247	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFTeDA	ND	0.378	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-4:2 FTS	ND	1.37	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFPeS	ND	1.37	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
L-PFNS	ND	1.37	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.8	60 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C3-PFPeA	IS	94.0	60 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C3-PFBS	IS	100	60 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C2-PFHxA	IS	87.0	70 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C4-PFHpA	IS	96.8	60 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
18O2-PFHxS	IS	91.5	60 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C2-PFOA	IS	84.9	60 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1

Sample ID: Method Blank **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	B8E0209-BLK1	Column:	BEH C18
Project:	Wurtsmith AFB						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	96.5	60 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C5-PFNA	IS	81.6	50 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C2-PFDA	IS	66.2	60 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C8-PFOSA	IS	32.4	20 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
d3-MeFOSAA	IS	58.0	50 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C2-PFUnA	IS	45.2	60 - 130	H	B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
d5-EtFOSAA	IS	53.7	50 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C2-PFDoA	IS	56.4	30 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1
13C2-PFTeDA	IS	70.0	20 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:35	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	B8E0209-BS1	Column:	BEH C18
Project:	Wurtsmith AFB						

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	40.8	40.0	102	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFPeA	42.2	40.0	106	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFBS	41.6	40.0	104	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFHxA	41.1	40.0	103	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFHpA	41.3	40.0	103	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
Total PFHxS	42.0	40.0	105	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-6:2 FTS	40.4	40.0	101	60-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
Total PFOA	42.9	40.0	107	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFHpS	51.6	40.0	129	60-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFNA	45.9	40.0	115	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
Total PFOS	45.5	40.0	114	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFDA	45.9	40.0	115	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-8:2FTS	42.0	40.0	105	60-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-MeFOSAA	41.1	30.4	135	70-130	H	B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-EtFOSAA	39.5	31.0	127	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFOSA	39.9	40.0	99.8	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFUnA	42.6	40.0	106	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFDS	56.7	40.0	142	60-130	H	B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFDoA	42.1	40.0	105	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFTrDA	47.6	40.0	119	60-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFTeDA	43.0	40.0	108	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-4:2 FTS	43.4	40.0	109	60-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFPeS	43.0	40.0	108	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
L-PFNS	40.4	40.0	101	70-130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.4	60- 130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C3-PFPeA	IS	91.4	60- 150		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C3-PFBS	IS	101	60- 150		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C2-PFHxA	IS	95.3	70- 130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C4-PFHpA	IS	97.8	60- 150		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
18O2-PFHxS	IS	91.9	60- 130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C2-PFOA	IS	88.0	60- 130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C8-PFOS	IS	99.5	60- 130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C5-PFNA	IS	79.9	50- 130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C2-PFDA	IS	72.8	60- 130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data

Name: Merit Laboratories, Inc.
Project: Wurtsmith AFB

Matrix: Aqueous

Laboratory Data

Lab Sample: B8E0209-BS1 Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOSA	IS	32.9	20- 150		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
d3-MeFOSAA	IS	59.3	50- 150		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C2-PFUnA	IS	59.5	60- 130	H	B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
d5-EtFOSAA	IS	62.6	50- 150		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C2-PFDoA	IS	64.2	30- 130		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1
13C2-PFTeDA	IS	75.2	20- 150		B8E0209	28-May-18	0.250 L	29-May-18 21:24	1

Sample ID: EB1805161240GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801014-01	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 12:40	Date Received:	22-May-18 09:08		
Location:	DAM STILLING WELL						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.376	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFPeA	ND	0.660	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFBS	0.990	0.923	2.57	4.12	J	B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFHxA	ND	1.12	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFHpA	ND	0.305	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFHxS	ND	0.488	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
Br-PFHxS	ND	0.488	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
Total PFHxS	ND	0.488	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-6:2 FTS	ND	1.03	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFOA	ND	0.598	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
Br-PFOA	ND	0.598	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
Total PFOA	ND	0.598	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFHpS	ND	0.483	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFNA	ND	0.418	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFOS	ND	0.416	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
Br-PFOS	ND	0.416	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
Total PFOS	ND	0.416	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFDA	ND	0.768	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-8:2FTS	ND	1.06	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-MeFOSAA	ND	0.850	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-EtFOSAA	ND	0.706	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFOSA	ND	0.912	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFUnA	ND	0.541	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFDS	ND	0.634	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFDoA	ND	0.408	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFTrDA	ND	0.255	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFTeDA	ND	0.389	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-4:2 FTS	ND	1.41	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFPeS	ND	1.41	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
L-PFNS	ND	1.41	2.57	4.12		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.0	60 - 130		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C3-PFPeA	IS	93.7	60 - 150		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C3-PFBS	IS	102	60 - 150		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C2-PFHxA	IS	96.9	70 - 130		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C4-PFHpA	IS	94.8	60 - 150		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
18O2-PFHxS	IS	90.3	60 - 130		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C2-PFOA	IS	87.7	60 - 130		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1

Sample ID: EB1805161240GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801014-01	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 12:40	Date Received:	22-May-18 09:08		
Location:	DAM STILLING WELL						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	86.3	60 - 130		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C5-PFNA	IS	90.5	50 - 130		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C2-PFDA	IS	84.8	60 - 130		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C8-PFOSA	IS	59.3	20 - 150		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
d3-MeFOSAA	IS	67.6	50 - 150		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C2-PFUnA	IS	82.3	60 - 130		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
d5-EtFOSAA	IS	66.7	50 - 150		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C2-PFDoA	IS	70.6	30 - 130		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1
13C2-PFTeDA	IS	84.6	20 - 150		B8E0209	28-May-18	0.243 L	29-May-18 21:45	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: EB1805161635GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801014-02	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 16:35	Date Received:	22-May-18 09:08		
Location:	GSU-MW-05 SN 568903						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	0.953	0.365	2.50	4.00	J	B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFPeA	ND	0.640	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFBS	5.92	0.895	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFHxA	ND	1.09	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFHpA	ND	0.296	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFHxS	ND	0.474	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
Br-PFHxS	ND	0.474	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
Total PFHxS	ND	0.474	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-6:2 FTS	ND	1.00	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFOA	1.80	0.580	2.50	4.00	J	B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
Br-PFOA	1.48	0.580	2.50	4.00	J	B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
Total PFOA	3.28	0.580	2.50	4.00	J	B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFHpS	ND	0.469	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFNA	ND	0.405	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFOS	ND	0.404	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
Br-PFOS	ND	0.404	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
Total PFOS	ND	0.404	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFDA	ND	0.745	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-8:2FTS	ND	1.03	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-MeFOSAA	ND	0.825	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-EtFOSAA	ND	0.685	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFOSA	ND	0.885	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFUnA	ND	0.525	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFDS	ND	0.615	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFDoA	ND	0.396	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFTrDA	ND	0.247	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFTeDA	ND	0.378	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-4:2 FTS	ND	1.37	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFPeS	ND	1.37	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
L-PFNS	ND	1.37	2.50	4.00		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.1	60 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C3-PFPeA	IS	92.3	60 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C3-PFBS	IS	94.0	60 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C2-PFHxA	IS	93.4	70 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C4-PFHpA	IS	95.4	60 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
18O2-PFHxS	IS	99.4	60 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C2-PFOA	IS	78.2	60 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1

Sample ID: EB1805161635GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801014-02	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 16:35	Date Received:	22-May-18 09:08		
Location:	GSU-MW-05 SN 568903						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	88.1	60 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C5-PFNA	IS	90.6	50 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C2-PFDA	IS	77.8	60 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C8-PFOSA	IS	49.8	20 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
d3-MeFOSAA	IS	53.8	50 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C2-PFUnA	IS	58.3	60 - 130	H	B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
d5-EtFOSAA	IS	60.9	50 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C2-PFDoA	IS	58.7	30 - 130		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1
13C2-PFTeDA	IS	60.1	20 - 150		B8E0209	28-May-18	0.250 L	29-May-18 21:56	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: EB1805161740GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801014-03	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 17:40	Date Received:	22-May-18 09:08		
Location:	GSU-MW-03 SN 568970						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.366	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFPeA	ND	0.643	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFBS	1.58	0.899	2.51	4.02	J	B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFHxA	ND	1.09	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFHpA	ND	0.297	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFHxS	ND	0.475	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
Br-PFHxS	ND	0.475	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
Total PFHxS	ND	0.475	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-6:2 FTS	10.9	1.00	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFOA	ND	0.582	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
Br-PFOA	ND	0.582	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
Total PFOA	ND	0.582	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFHpS	ND	0.470	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFNA	ND	0.407	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFOS	ND	0.405	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
Br-PFOS	ND	0.405	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
Total PFOS	ND	0.405	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFDA	ND	0.748	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-8:2FTS	ND	1.03	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-MeFOSAA	ND	0.828	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-EtFOSAA	ND	0.688	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFOSA	ND	0.889	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFUnA	ND	0.527	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFDS	ND	0.618	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFDoA	ND	0.398	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFTrDA	ND	0.248	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFTeDA	ND	0.379	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-4:2 FTS	ND	1.38	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFPeS	ND	1.38	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
L-PFNS	ND	1.38	2.51	4.02		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.2	60 - 130		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C3-PFPeA	IS	97.3	60 - 150		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C3-PFBS	IS	108	60 - 150		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C2-PFHxA	IS	100	70 - 130		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C4-PFHpA	IS	105	60 - 150		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
18O2-PFHxS	IS	97.5	60 - 130		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C2-PFOA	IS	88.7	60 - 130		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1

Sample ID: EB1805161740GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801014-03	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 17:40	Date Received:	22-May-18 09:08		
Location:	GSU-MW-03 SN 568970						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	89.7	60 - 130		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C5-PFNA	IS	88.7	50 - 130		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C2-PFDA	IS	83.6	60 - 130		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C8-PFOSA	IS	54.1	20 - 150		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
d3-MeFOSAA	IS	69.8	50 - 150		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C2-PFUnA	IS	76.0	60 - 130		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
d5-EtFOSAA	IS	60.5	50 - 150		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C2-PFDoA	IS	81.1	30 - 130		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1
13C2-PFTeDA	IS	71.4	20 - 150		B8E0209	28-May-18	0.249 L	29-May-18 22:06	1

DL - Detection Limit LOD - Limit of Detection LCL-UCL- Lower control limit - upper control limit
 LOQ - Limit of quantitation Results reported to the DL.

Sample ID: EB1805161810GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801014-04	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 18:10	Date Received:	22-May-18 09:08		
Location:	MW09 SN 577190						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.363	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFPeA	ND	0.637	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFBS	ND	0.891	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFHxA	ND	1.09	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFHpA	ND	0.294	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFHxS	ND	0.471	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
Br-PFHxS	ND	0.471	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
Total PFHxS	ND	0.471	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-6:2 FTS	ND	0.996	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFOA	ND	0.577	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
Br-PFOA	ND	0.577	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
Total PFOA	ND	0.577	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFHpS	ND	0.466	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFNA	ND	0.403	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFOS	ND	0.402	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
Br-PFOS	ND	0.402	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
Total PFOS	ND	0.402	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFDA	ND	0.742	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-8:2FTS	ND	1.03	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-MeFOSAA	ND	0.821	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-EtFOSAA	ND	0.682	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFOSA	ND	0.881	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFUnA	ND	0.523	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFDS	ND	0.612	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFDoA	ND	0.394	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFTrDA	ND	0.246	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFTeDA	ND	0.376	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-4:2 FTS	ND	1.36	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFPeS	ND	1.36	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
L-PFNS	ND	1.36	2.49	3.98		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.9	60 - 130		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C3-PFPeA	IS	95.2	60 - 150		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C3-PFBS	IS	102	60 - 150		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C2-PFHxA	IS	90.6	70 - 130		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C4-PFHpA	IS	104	60 - 150		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
18O2-PFHxS	IS	105	60 - 130		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C2-PFOA	IS	89.2	60 - 130		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1

Sample ID: EB1805161810GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801014-04	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 18:10	Date Received:	22-May-18 09:08		
Location:	MW09 SN 577190						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	95.5	60 - 130		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C5-PFNA	IS	89.5	50 - 130		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C2-PFDA	IS	83.8	60 - 130		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C8-PFOSA	IS	55.4	20 - 150		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
d3-MeFOSAA	IS	63.0	50 - 150		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C2-PFUnA	IS	62.9	60 - 130		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
d5-EtFOSAA	IS	65.7	50 - 150		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C2-PFDoA	IS	66.0	30 - 130		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1
13C2-PFTeDA	IS	71.3	20 - 150		B8E0209	28-May-18	0.251 L	29-May-18 22:17	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

Sample ID: EB1805161835GSC

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801014-05	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 18:35	Date Received:	22-May-18 09:08		
Location:	MW09 SN 576750						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	0.370	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFPeA	ND	0.649	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFBS	ND	0.908	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFHxA	ND	1.11	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFHpA	ND	0.300	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFHxS	ND	0.480	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
Br-PFHxS	ND	0.480	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
Total PFHxS	ND	0.480	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-6:2 FTS	15.1	1.01	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFOA	ND	0.588	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
Br-PFOA	ND	0.588	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
Total PFOA	ND	0.588	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFHpS	ND	0.475	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFNA	ND	0.411	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFOS	ND	0.409	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
Br-PFOS	ND	0.409	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
Total PFOS	ND	0.409	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFDA	ND	0.756	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-8:2FTS	ND	1.05	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-MeFOSAA	ND	0.837	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-EtFOSAA	ND	0.695	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFOSA	ND	0.898	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFUnA	ND	0.533	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFDS	ND	0.624	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFDoA	ND	0.402	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFTrDA	ND	0.251	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFTeDA	ND	0.383	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-4:2 FTS	ND	1.39	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFPeS	ND	1.39	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
L-PFNS	ND	1.39	2.54	4.06		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.3	60 - 130		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C3-PFPeA	IS	92.0	60 - 150		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C3-PFBS	IS	101	60 - 150		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C2-PFHxA	IS	91.4	70 - 130		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C4-PFHpA	IS	96.8	60 - 150		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
18O2-PFHxS	IS	95.7	60 - 130		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C2-PFOA	IS	94.9	60 - 130		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1

Sample ID: EB1805161835GSC **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	Merit Laboratories, Inc.	Matrix:	Aqueous	Lab Sample:	1801014-05	Column:	BEH C18
Project:	Wurtsmith AFB	Date Collected:	16-May-18 18:35	Date Received:	22-May-18 09:08		
Location:	MW09 SN 576750						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	97.0	60 - 130		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C5-PFNA	IS	88.8	50 - 130		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C2-PFDA	IS	75.7	60 - 130		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C8-PFOSA	IS	58.6	20 - 150		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
d3-MeFOSAA	IS	60.0	50 - 150		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C2-PFUnA	IS	64.3	60 - 130		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
d5-EtFOSAA	IS	65.0	50 - 150		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C2-PFDoA	IS	56.1	30 - 130		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1
13C2-PFTeDA	IS	69.9	20 - 150		B8E0209	28-May-18	0.246 L	29-May-18 22:27	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limits of Detection
LOQ	Limits of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
Q	Ion ratio outside of 70-130% of Standard Ratio. (DOD PFAS projects only)
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1322288
New Hampshire Environmental Accreditation Program	207717
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	9077
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 1801014 Temp: 3.1 °C
 Storage ID: WR-2 Storage Secured: Yes No

Project ID: Wurtsmith AFB PO#: 60518528 Sampler: Garth Cousineau
 (name)

TAT Standard: 21 days
 (check one): Rush (surcharge may apply)
 14 days 7 days Specify: _____

Invoice to: Name Mike Jury Company MDEQ Address Saginaw District Office City Saginaw State MI Ph# 989-894-4255 Fax# _____

Relinquished by (printed name and signature) Michal Kosciarz Date 5/21/2018 Time 1630 Received by (printed name and signature) Marissa Sparks Date 05/22/18 Time 0915

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 * Fax (916) 673-0106
 Method of Shipment: _____
 Tracking No.: _____
 ATTN: Jennifer Miller

Add Analysis(es) Requested		Mod. EPA Method 537		EPA Method 537(DW only)	
Container(s)					
Quantity	Type	Matrix	PFOA/PFOS	UCMR3 PFAS List 8	537 List: 14
					Full List of 26
					Other: Please List Below
					Branch and Linear
			PFOA/PFOS	UCMR3 PFAS List 8	PFAS List: 14

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	PFOA/PFOS	UCMR3 PFAS List 8	537 List: 14	Full List of 26	Other: Please List Below	Branch and Linear	PFOA/PFOS	UCMR3 PFAS List 8	PFAS List: 14	Comments
EB1805161240GSC	5/16/18	1240	DAM STILLING WELL	2	P	AQ						x				
EB1805161635GSC	5/16/18	1635	GSU-MW-05 SN 568903	2	P	AQ						x				
EB1805161740GSC	5/16/18	1740	GSU-MW-03 SN 568970	2	P	AQ						x				
EB1805161810GSC	5/16/18	1810	MW09 SN 577190	2	P	AQ						x				
EB1805161835GSC	5/16/18	1835	MW09 SN 576750	2	P	AQ						x				

Special Instructions/Comments: **Send Results and Acknowledgements to:**

 Dorin.Bogdan@aecom.com
 Robert.Kennedy@aecom.com
 Michal.Kosciarz@aecom.com

SEND DOCUMENTATION AND RESULTS TO:

Name: Mike Jury
 Company: MDEQ
 Address: Saginaw District Office
 City: Saginaw State: MI Zip: 49735
 Phone: 989-894-4255 Fax: _____
 Email: _____

Container Types: P= HDPE, PJ= HDPE Jar Bottle Preservation Type: T = Thiosulfate, Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, O = Other: _____ TZ = Trizma: _____ None SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other: _____

Sample Log-in Checklist

Vista Work Order #: 1801014

WWS ~~05/18~~ 05/23/18
TAT ~~std~~ 10 days

Samples Arrival:	Date/Time: 05/22/18 0908	Initials: WWS	Location: WR-2
			Shelf/Rack: N/A
Logged In:	Date/Time: 05/22/18 1256	Initials: WWS	Location: WR-2
			Shelf/Rack: F-5
Delivered By:	<input checked="" type="radio"/> FedEx	<input type="radio"/> UPS	<input type="radio"/> On Trac
		<input type="radio"/> GSO	<input type="radio"/> DHL
		<input type="radio"/> Hand Delivered	<input type="radio"/> Other
Preservation:	<input checked="" type="radio"/> Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
	<input type="radio"/> None		
Temp °C: 3.2 (uncorrected)	Time: 0913	Thermometer ID: IR-4	
Temp °C: 3.1 (corrected)	Probe used: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

	YES	NO	NA
Adequate Sample Volume Received?	WWS		
Holding Time Acceptable?	WWS		
Shipping Container(s) Intact?	WWS		
Shipping Custody Seals Intact?			WWS
Shipping Documentation Present?	WWS		
Airbill	Trk # 4377 0528 2372	WWS	
Sample Container Intact?	WWS		
Sample Custody Seals Intact?			WWS
Chain of Custody / Sample Documentation Present?	WWS		
COC Anomaly/Sample Acceptance Form completed?		WWS	WWS
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			WWS
Preservation Documented:	Na ₂ S ₂ O ₃	Trizma	<input checked="" type="radio"/> None
			Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> NA <input checked="" type="radio"/>
Shipping Container	<input checked="" type="radio"/> Vista	Client	<input checked="" type="radio"/> Retain
		Return	Dispose

Comments:

EXTRACTION INFORMATION



Process Sheet

PRIORITY

Workorder: **1801014**

Prep Expiration: 2018-May-30
Client: Merit Laboratories, Inc.

Workorder Due: **01-Jun-18 00:00**

TAT: 10

Method: **537M Linear All/Branched/Total PFHxS/PFOA/PFOS**
Matrix: **Aqueous**

Prep Batch: B8E0209

Version: MI (24 Analytes) L/B/T

Prep Data Entered: MY 05/29/18
Date and Initials

Initial Sequence: _____

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1801014-01	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EB1805161240GSC		WR-2 F-5	HDPE Bottle, 250 mL
1801014-02	↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EB1805161635GSC	"EB1805161635GSC"	WR-2 F-5	HDPE Bottle, 250 mL
1801014-03		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EB1805161740GSC		WR-2 F-5	HDPE Bottle, 250 mL
1801014-04		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EB1805161810GSC		WR-2 F-5	HDPE Bottle, 250 mL
1801014-05		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EB1805161835GSC		WR-2 F-5	HDPE Bottle, 250 mL

WO Comments: L/B/T PFOA, PFOS, PFHxS, all others linear only.

Pre-Prep Check Out: LT 5/24/18
Pre-Prep Check In: LT 5/24/18

Prep Check Out: JR 5/28/18
Prep Check In: NA

Prep Reconciled Initials/Date: LT 5/24/18
Spike Reconciled Initials/Date: JR 5/28/18
VialBoxID: Mavericks Map

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/

Method: 537M PFAS

B8E0209

Chemist: KC

Prep Date: 5/28/18

Prep Time: 15:45

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initials: KC 5/28/18 BalanceID: HRMS-8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
<input type="checkbox"/>	B8E0209-BLK1										
<input type="checkbox"/>	B8E0209-BST										
<input type="checkbox"/>	1800973-06RE1	5	2	0	2	148.25	26.48	0.12177	KC JR 5/28/18	JR 5/28/18	KC JR 5/28/18
<input type="checkbox"/>	1801011-01										
<input type="checkbox"/>	1801011-02										
<input type="checkbox"/>	1801011-03										
<input type="checkbox"/>	1801011-04										
<input type="checkbox"/>	1801011-05										
<input type="checkbox"/>	1801013-01										
<input type="checkbox"/>	1801013-02										
<input type="checkbox"/>	1801013-03										
<input type="checkbox"/>	1801014-01										
<input type="checkbox"/>	1801014-02										
<input type="checkbox"/>	1801014-03										
<input type="checkbox"/>	1801014-04										
<input type="checkbox"/>	1801014-05										JR 5/28/18

JR 5/28/18

<p>IS: <u>18D2004, 10µL</u> (✓)</p> <p>IS SUP: <u>NA</u></p> <p>NS: <u>18E0923, 10µL</u> (✓)</p> <p>RS: <u>18D2005, 10µL</u> (✓)</p>	<p>SPE Chem: <u>Stada X-AW 33µm 200µL/6µL</u></p> <p>Ele SOLV: <u>MeOH / 0.69% NH₄OH in MeOH</u></p> <p>Final Volume(s) <u>1mL</u></p>
--	---

Notes:

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/

Method: 537M PFAS

B8E0209

Chemist: KC

Prep Date: 5/28/18

Prep Time: 15:45

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: <u>LT 5/24/18</u>				BalanceID: <u>HEMS-8</u>					
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
<input type="checkbox"/>	B8E0209-BLK1	5	2	0	2	NA	NA	(0.250)	<u>KL JB 5/28/18</u>	<u>JB 5/28/18</u>	<u>KC JR 5/28/18</u>
<input type="checkbox"/>	B8E0209-BS1	5	2	0	2	↓	↓	(0.250)			
<input type="checkbox"/>	1801011-01	7	2	0	4	285.83	37.19	0.24864			
<input type="checkbox"/>	1801011-02	7	2	0	3	284.93	37.70	0.24723			
<input type="checkbox"/>	1801011-03	7	2	0	2	307.65	37.21	0.27044			
<input type="checkbox"/>	1801011-04	7	2	0	3	281.37	37.26	0.24411			
<input type="checkbox"/>	1801011-05	7	2	0	3	280.70	37.22	0.24348			
<input type="checkbox"/>	1801013-01	7	2	0	5	279.85	37.39	0.24246			
<input type="checkbox"/>	1801013-02	5	2	0	1	291.11	37.18	0.25393			
<input type="checkbox"/>	1801013-03	6	2	0	4	288.87	37.66	0.25121			
<input type="checkbox"/>	1801014-01	5	2	0	1	279.70	37.19	0.24251 ✓			
<input type="checkbox"/>	1801014-02	5	2	0	1	287.35	37.35	0.2500 ✓			
<input type="checkbox"/>	1801014-03	5	2	0	1	286.00	37.62	0.24898 ✓			
<input type="checkbox"/>	1801014-04	5	2	0	1	288.33	37.21	0.25112 ✓			
<input type="checkbox"/>	1801014-05	5	2	0	1	283.60	37.19	0.24641 ✓			
<input type="checkbox"/>	1801015-01	6	2	0	2	291.60	37.50	0.2541			

<p>IS: <u>1802004, 10µL (V4)</u></p> <p>IS SUP: <u>NA</u></p> <p>NS: <u>18E0923, 10µL (V5)</u></p> <p>RS: <u>1802005, 10µL (V4)</u></p>	<p>SPE Chem: <u>Stata X-AW 33µm 200µl/ml</u></p> <p>Ele SOLV: <u>MeOH/0.5% NaOH in MeOH</u></p> <p>Final Volume(s) <u>1ml</u></p> <p>Notes:</p>
---	---

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/

Method: 537M PFAS

B8E0209

Chemist: KC

Prep Date: 5/28/18

Prep Time: 15:45

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: <u>LT 5/24/18</u>				BalanceID: <u>HRMS-8</u>					
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
<input type="checkbox"/>	1801015-02	6	2	0	2	287.92	37.36	0.25056	<u>KC JB 5/28/18</u>	<u>JB 5/28/18</u>	<u>KC JB 5/28/18</u>
<input type="checkbox"/>	1801015-03	6	2	0	2	279.70	37.46	0.24224	↓	↓	↓
<input type="checkbox"/>	1801015-04	6	2	0	2	281.13	37.52	0.24361	↓	↓	↓
<input type="checkbox"/>	1801015-05	5	2	0	1	285.45	37.19	0.24826	↓	↓	↓

IS: <u>18D2004, 10µL (V1)</u> IS SUP: <u>NA</u> NS: <u>18E0923, 10µL (V2)</u> RS: <u>18D2005, 10µL (V4)</u>	SPE Chem: <u>Stark X-AW 33µm 200µL/6mL</u> Ele SOLV: <u>MeOH/0.5% NH4OH in MeOH</u> Final Volume(s) <u>1mL</u>	Notes:
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Comments: Assume 1 g = 1 mL

Cen = Centrifuged

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1800973-06RE1	0.12177 ✓	NA	NA	1000	28-May-18 15:45	KC			Aqueous	537M PFAS
1801011-01	0.24864 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M PFAS
1801011-02	0.24723 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M PFAS
1801011-03	0.27044 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M PFAS
1801011-04	0.24411 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M PFAS
1801011-05	0.24348 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M PFAS
1801013-01	0.24246 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M Linear All/Branched/
1801013-02	0.25393 ✓	↓	↓	1000	28-May-18 15:45	KC			Aqueous	537M Linear All/Branched/
1801013-03	0.25121 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M Linear All/Branched/
1801014-01	0.24251 ✓	↓	↓	1000	28-May-18 15:45	KC			Aqueous	537M Linear All/Branched/
1801014-02	0.25 ✓	↓	↓	1000	28-May-18 15:45	KC			Aqueous	537M Linear All/Branched/
1801014-03	0.24898 ✓	↓	↓	1000	28-May-18 15:45	KC			Aqueous	537M Linear All/Branched/
1801014-04	0.25112 ✓	↓	↓	1000	28-May-18 15:45	KC			Aqueous	537M Linear All/Branched/
1801014-05	0.24641 ✓	↓	↓	1000	28-May-18 15:45	KC			Aqueous	537M Linear All/Branched/
1801015-01	0.2541 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M PFAS
1801015-02	0.25056 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M PFAS
1801015-03	0.24224 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M PFAS
1801015-04	0.24361 ✓	↓	↓	1000	28-May-18 15:45	KC			Drinking Water	537M PFAS
1801015-05	0.24826 ✓	↓	↓	1000	28-May-18 15:45	KC			Aqueous	537M PFAS
B8E0209-BLK1	0.25 ✓	↓	↓	1000	28-May-18 15:45	KC				QC
B8E0209-BS1	0.25 ✓	↓	↓	1000	28-May-18 15:45	KC	18E0923 ✓	10 ✓		QC

ny 05/29/18

Sample Data – PFAS Isotope Dilution Method

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-23.qld

Last Altered: Wednesday, May 30, 2018 13:28:28 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 13:30:01 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_23, Date: 29-May-2018, Time: 21:35:24, ID: B8E0209-BLK1 Method Blank 0.25, Description: Method Blank

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8		6.91e3	0.2500		1.34						
2	2 PFPeA	263.1 > 218.9		9.24e3	0.2500		2.32						
3	3 PFBS	299.0 > 79.7		1.21e3	0.2500		2.61						
4	4 4:2 FTS	327.2>307.2		2.35e3	0.2500		3.02						
5	5 PFHxA	313.2 > 268.9		2.82e3	0.2500		3.10						
6	6 PFPeS	349.1>80.1		1.21e3	0.2500		3.31						
7	7 PFHpA	363.0 > 318.9		8.17e3	0.2500		3.72						
8	8 L-PFHxS	398.9 > 79.6		1.03e3	0.2500		3.88						
9	9 Br-PFHxS	398.9 > 79.6		1.03e3	0.2500		3.75						
10	10 6:2 FTS	427.1 > 407	2.69e1	2.21e3	0.2500		4.19	4.20	0.152	0.428		5.523	YES
11	11 L-PFOA	413 > 368.7		1.36e4	0.2500		4.25						
12	12 Br-PFOA	413 > 368.7		1.36e4	0.2500		4.18						
13	13 PFHpS	449 > 80.0		1.36e4	0.2500		4.36						
14	14 PFNA	463.0 > 418.8		1.12e4	0.2500		4.68						
15	15 PFOSA	498.2 > 77.9		1.24e3	0.2500		4.75						
16	16 L-PFOS	499.1 > 79.9		2.59e3	0.2500		4.77						
17	17 Br-PFOS	499.1 > 79.9		2.59e3	0.2500		4.67						
18	18 PFDA	513 > 468.8		1.14e4	0.2500		5.06						
19	19 8:2 FTS	527 > 506.9		1.87e3	0.2500		5.03						
20	20 PFNS	549.1>80.1		2.59e3	0.2500		5.13						
21	21 L-MeFOSAA	570.1 > 419		1.67e3	0.2500		5.22						
22	22 Br-MeFOSAA	570.1 > 419		1.67e3	0.2500		5.12						
23	23 L-EtFOSAA	584.2 > 419		2.05e3	0.2500		5.37						
24	24 Br-ETFOSAA	584.2 > 419		2.05e3	0.2500		5.28						
25	25 PFUdA	563.0 > 518.9		9.20e3	0.2500		5.39						
26	26 PFDS	598.8 > 80		9.20e3	0.2500		5.44						
27	27 PFDaA	612.9 > 569.0		1.05e4	0.2500		5.67						
28	28 N-MeFOSA	512.1 > 168.9			0.2500		5.83						
29	29 PFTTrDA	662.9 > 618.9		1.05e4	0.2500		5.92						
30	30 PFTeDA	712.9 > 668.8		1.29e4	0.2500		6.14						
31	31 N-EtFOSA	526.1 > 168.9			0.2500		6.24						
32	32 PFHxDA	813.1 > 768.6		8.24e3	0.2500		6.48						AR 5/30/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-23.qld

Last Altered: Wednesday, May 30, 2018 13:28:28 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 13:30:01 Pacific Daylight Time

Name: 180529M1_23, Date: 29-May-2018, Time: 21:35:24, ID: B8E0209-BLK1 Method Blank 0.25, Description: Method Blank

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
33	33 PFODA	913.1 > 868.8	3.61e1	8.24e3	0.2500		6.71	6.71	0.0219	0.014			
34	34 N-MeFOSE	616.1 > 58.9			0.2500		6.41						
35	35 N-EtFOSE	630.1 > 58.9			0.2500		6.56						
36	36 13C3-PFBA	216.1 > 171.8	6.91e3	7.98e3	0.2500	0.894	1.33	1.34	10.8	48.380	96.8		
37	37 13C3-PFPeA	266. > 221.8	9.24e3	1.11e4	0.2500	0.886	2.32	2.32	10.4	47.017	94.0		
38	38 13C3-PFBS	302. > 98.8	1.21e3	1.11e4	0.2500	0.109	2.61	2.61	1.36	50.036	100.1		
39	39 13C2-4:2 FTS	329.2>308.9	2.35e3	1.11e4	0.2500	0.231	3.02	3.02	2.65	46.020	92.0		
40	40 13C2-PFHxA	315 > 269.8	2.82e3	1.11e4	0.2500	0.731	3.10	3.10	3.18	17.400	87.0		
41	41 13C4-PFHpA	367.2 > 321.8	8.17e3	1.11e4	0.2500	0.761	3.72	3.72	9.21	48.392	96.8		
42	42 18O2-PFHxS	403.0 > 102.6	1.03e3	2.59e3	0.2500	0.436	3.87	3.88	4.99	45.753	91.5		
43	43 13C2-6:2 FTS	429.1 > 408.9	2.21e3	1.00e4	0.2500	0.267	4.19	4.19	2.76	41.322	82.6		
44	44 13C2-PFOA	414.9 > 369.7	1.36e4	1.00e4	0.2500	1.601	4.25	4.25	17.0	42.459	84.9		
45	45 13C5-PFNA	468.2 > 422.9	1.12e4	1.45e4	0.2500	0.953	4.69	4.69	9.71	40.777	81.6		
46	46 13C8-PFOSA	506.1 > 77.7	1.24e3	2.15e4	0.2500	0.178	4.75	4.75	0.722	16.196	32.4		
47	47 13C8-PFOS	507.0 > 79.9	2.59e3	2.52e3	0.2500	1.064	4.77	4.78	12.8	48.267	96.5		
48	48 13C2-PFDA	515.1 > 469.9	1.14e4	1.67e4	0.2500	1.032	5.06	5.06	8.54	33.093	66.2		
49	49 13C2-8:2 FTS	529.1 > 508.7	1.87e3	1.11e4	0.2500	0.215	5.03	5.03	2.11	39.342	78.7		
50	50 d3-N-MeFOSAA	573.3 > 419	1.67e3	2.15e4	0.2500	0.134	5.21	5.21	0.971	28.998	58.0		
51	51 d5-N-EtFOSAA	589.3 > 419	2.05e3	2.15e4	0.2500	0.177	5.37	5.37	1.19	26.872	53.7		
52	52 13C2-PFUdA	565 > 519.8	9.20e3	2.15e4	0.2500	0.948	5.39	5.39	5.36	22.608	45.2		
53	53 13C2-PFDoA	615.0 > 569.7	1.05e4	1.67e4	0.2500	1.114	5.67	5.67	7.86	28.220	56.4		
54	54 d3-N-MeFOSA	515.2 > 168.9		2.15e4	0.2500	0.054	5.85						
55	55 13C2-PFTeDA	714.8 > 669.6	1.29e4	2.15e4	0.2500	0.860	6.14	6.14	7.53	35.013	70.0		
56	56 d5-N-ETFOSA	531.1 > 168.9		2.15e4	0.2500	0.073	6.26						
57	57 13C2-PFHxDA	815 > 769.7	8.24e3	2.15e4	0.2500	1.257	6.48	6.47	4.80	15.275	76.4		
58	58 d7-N-MeFOSE	623.1 > 58.9		2.15e4	0.2500	0.050	6.40						
59	59 d9-N-EtFOSE	639.2 > 58.8		2.15e4	0.2500	0.046	6.54						
60	60 13C4-PFBA	217. > 171.8	7.98e3	7.98e3	0.2500	1.000	1.33	1.33	12.5	50.000	100.0		
61	61 13C5-PFHxA	318 > 272.9	1.11e4	1.11e4	0.2500	1.000	3.10	3.10	12.5	50.000	100.0		
62	62 13C3-PFHxS	401.9 > 79.9	2.59e3	2.59e3	0.2500	1.000	3.87	3.88	12.5	50.000	100.0		
63	63 13C8-PFOA	421.3 > 376	1.00e4	1.00e4	0.2500	1.000	4.25	4.25	12.5	50.000	100.0		
64	64 13C9-PFNA	472.2 > 426.9	1.45e4	1.45e4	0.2500	1.000	4.69	4.69	12.5	50.000	100.0		
65	65 13C4-PFOS	503 > 79.9	2.52e3	2.52e3	0.2500	1.000	4.77	4.78	12.5	50.000	100.0		
66	66 13C6-PFDA	519.1 > 473.7	1.67e4	1.67e4	0.2500	1.000	5.06	5.06	12.5	50.000	100.0		
67	67 13C7-PFUdA	570.1 > 524.8	2.15e4	2.15e4	0.2500	1.000	5.39	5.39	12.5	50.000	100.0		
68	68 Total PFHxS	398.9 > 79.6	0.00e0	1.03e3	0.2500		4.05		0.000				AR 5/30/2018

H

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-23.qld

Last Altered: Wednesday, May 30, 2018 13:28:28 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 13:30:01 Pacific Daylight Time

Name: 180529M1_23, Date: 29-May-2018, Time: 21:35:24, ID: B8E0209-BLK1 Method Blank 0.25, Description: Method Blank

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
69	69 Total PFOA	413 > 368.7	0.00e0	1.36e4	0.2500		4.30		0.000				
70	70 Total PFOS	499.1 > 79.9	0.00e0	2.59e3	0.2500		4.90		0.000				
71	71 Total N-MeFOSAA	570.1 > 419	0.00e0	1.67e3	0.2500		5.55		0.000				
72	72 Total N-EtFOSAA	584.2 > 419	0.00e0	2.05e3	0.2500		5.70		0.000				

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-23.qld

Last Altered: Wednesday, May 30, 2018 13:28:28 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 13:30:01 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_23, Date: 29-May-2018, Time: 21:35:24, ID: B8E0209-BLK1 Method Blank 0.25, Description: Method Blank

PFBA

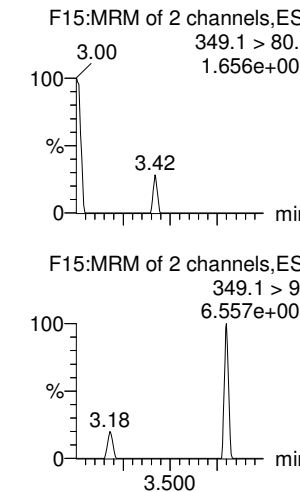
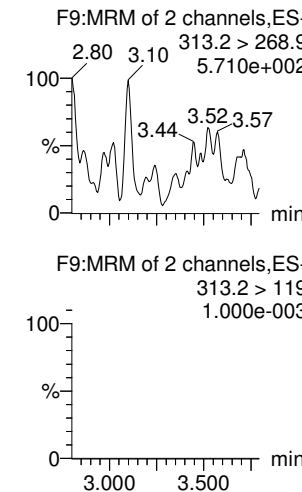
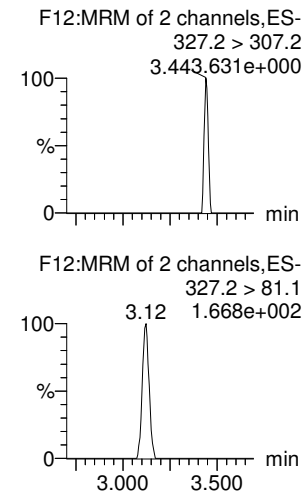
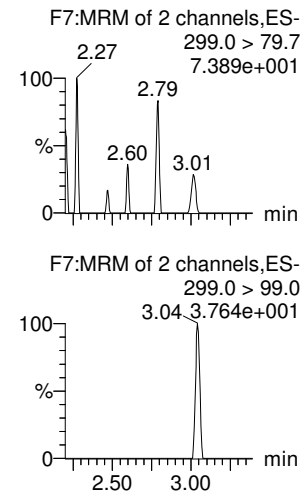
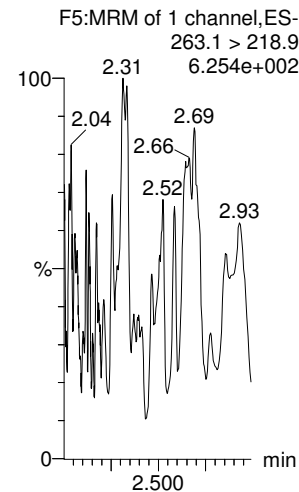
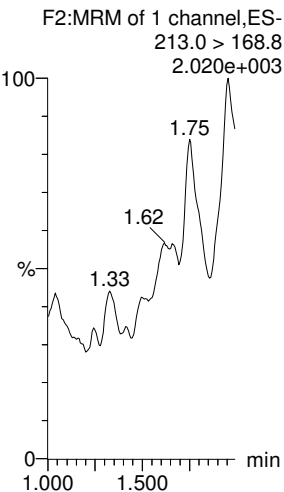
PFPeA

PFBS

4:2 FTS

PFHxA

PFPeS



13C3-PFBA

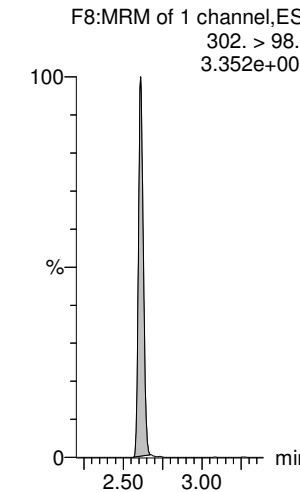
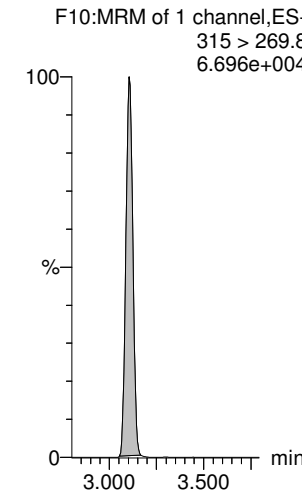
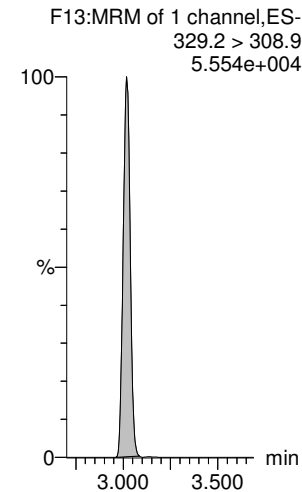
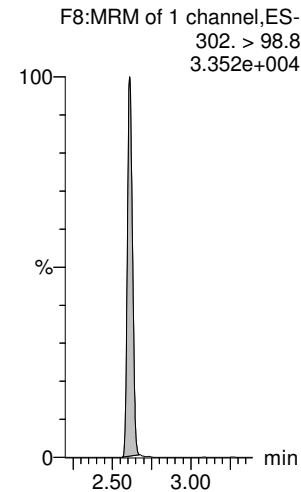
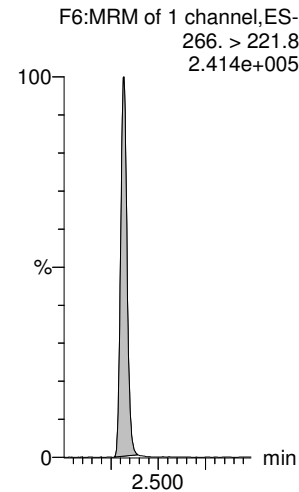
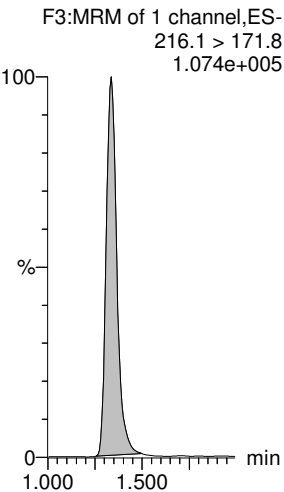
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13C3-PFBS

13C2-4:2 FTS

13C2-PFHxA

13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-23.qld

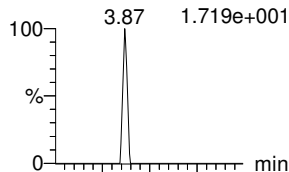
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Printed: Wednesday, May 30, 2018 13:30:01 Pacific Daylight Time

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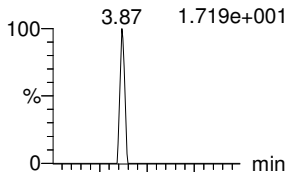
L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
1.719e+001



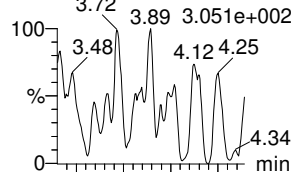
Br-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
1.719e+001



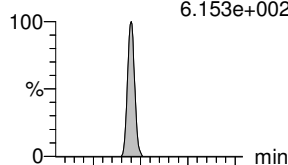
PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
3.051e+002



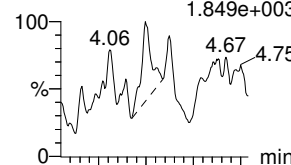
6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
6.153e+002



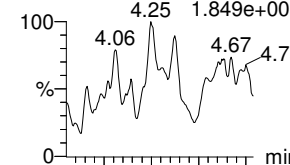
L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
1.849e+003

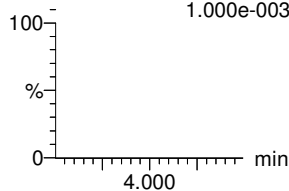


Br-PFOA

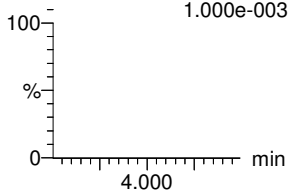
F21:MRM of 2 channels,ES-
413 > 368.7
1.849e+003



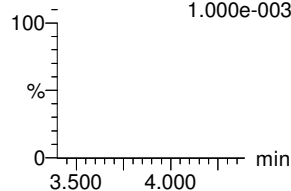
F18:MRM of 2 channels,ES-
398.9 > 99.0
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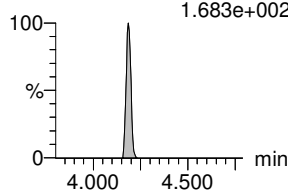
F18:MRM of 2 channels,ES-
398.9 > 99.0
1.000e-003



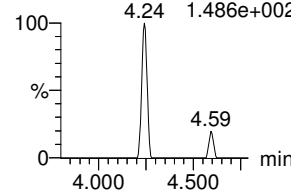
F16:MRM of 2 channels,ES-
363.0 > 169.0
1.000e-003



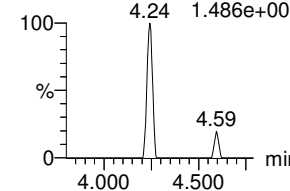
F24:MRM of 2 channels,ES-
427.1 > 80
1.683e+002



F21:MRM of 2 channels,ES-
413 > 169
1.486e+002

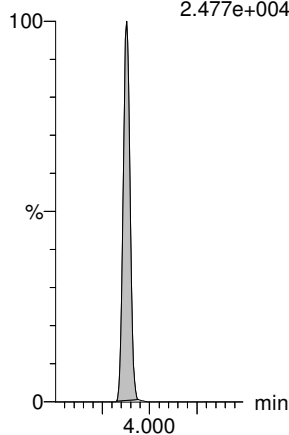


F21:MRM of 2 channels,ES-
413 > 169
1.486e+002



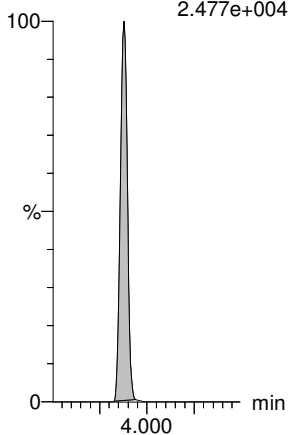
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.477e+004



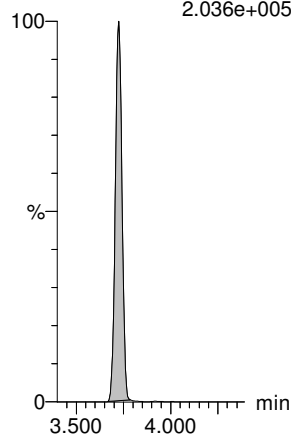
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.477e+004



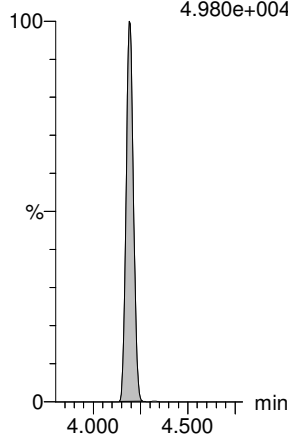
13C4-PFHpa

F17:MRM of 1 channel,ES-
367.2 > 321.8
2.036e+005



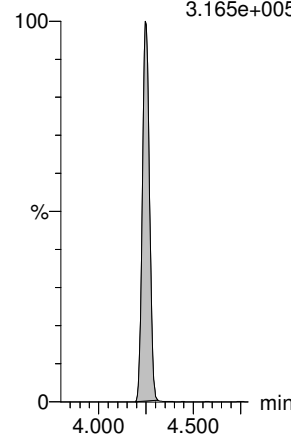
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
4.980e+004



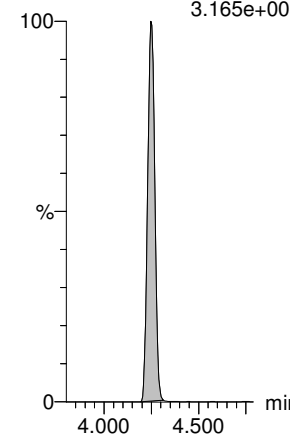
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.165e+005



13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.165e+005



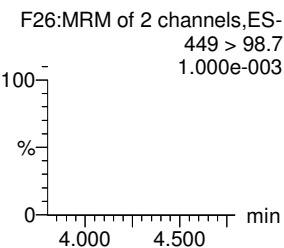
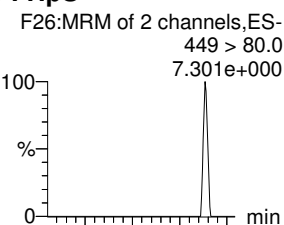
Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-23.qld

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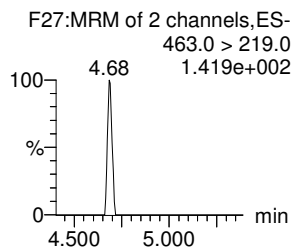
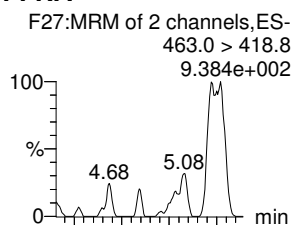
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Name: 180529M1_23, Date: 29-May-2018, Time: 21:35:24, ID: B8E0209-BLK1 Method Blank 0.25, Description: Method Blank

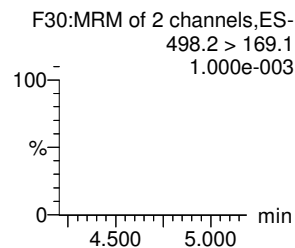
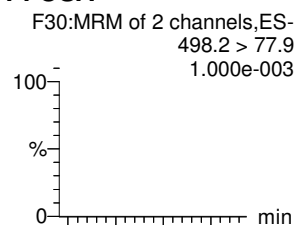
PFHpS



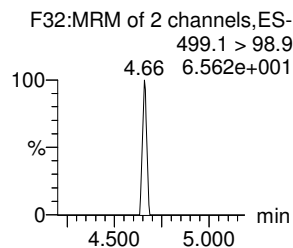
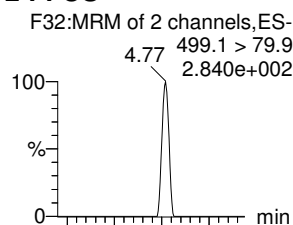
PFNA



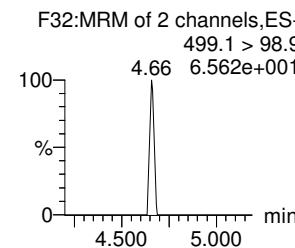
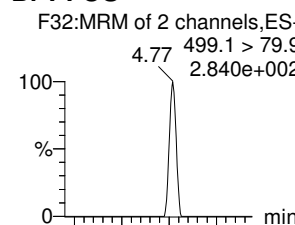
PFOSA



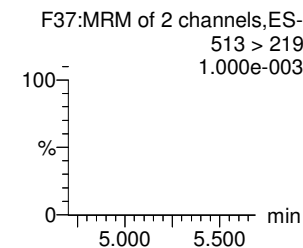
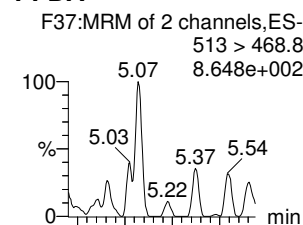
L-PFOS



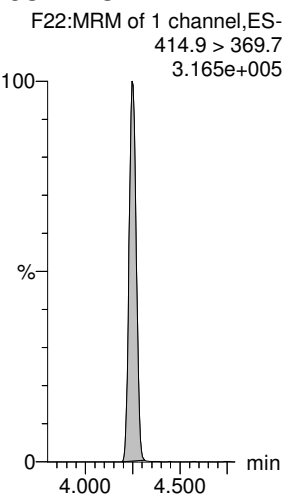
Br-PFOS



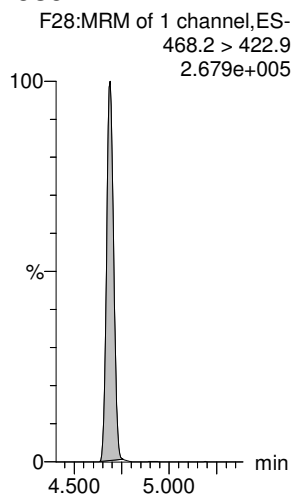
PFDA



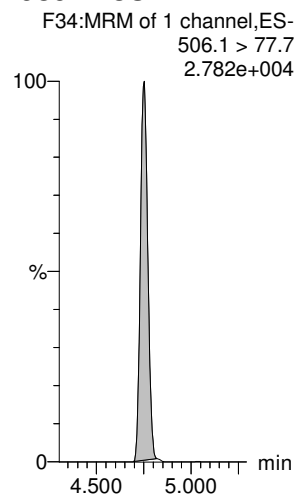
13C2-PFOA



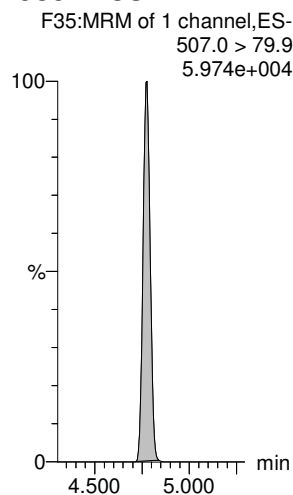
13C5-PFNA



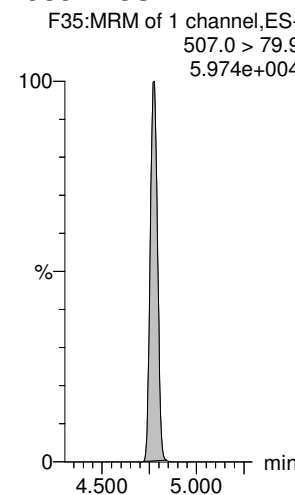
13C8-PFOA



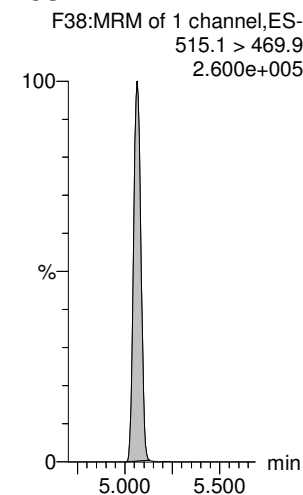
13C8-PFOS



13C8-PFOS



13C2-PFDA



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Name: 180529M1_23, Date: 29-May-2018, Time: 21:35:24, ID: B8E0209-BLK1 Method Blank 0.25, Description: Method Blank

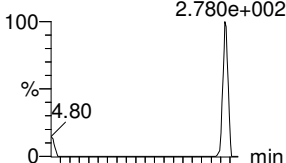
8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
1.000e-003



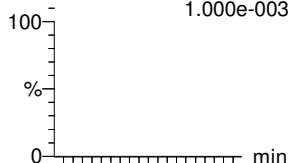
PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
2.780e+002



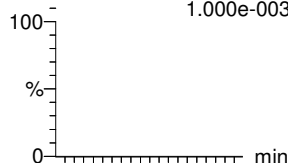
L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
1.000e-003



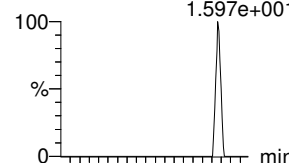
Br-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
1.000e-003



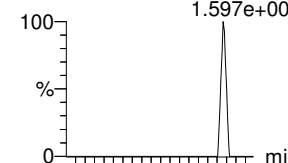
L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
1.597e+001

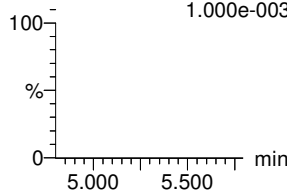


Br-ETFOSAA

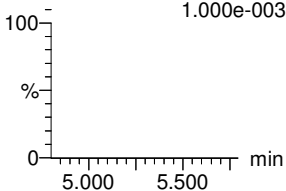
F51:MRM of 2 channels,ES-
584.2 > 419
1.597e+001



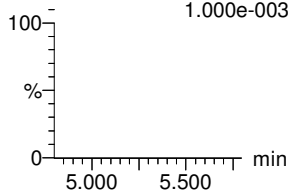
F42:MRM of 2 channels,ES-
527 > 80
1.000e-003



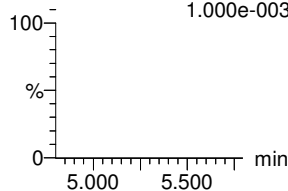
F45:MRM of 2 channels,ES-
549.1 > 99.1
1.000e-003



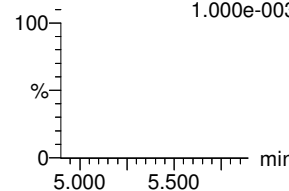
F48:MRM of 2 channels,ES-
570.1 > 483.0
1.000e-003



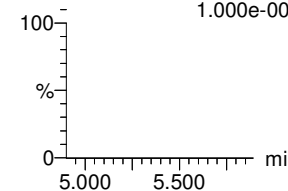
F48:MRM of 2 channels,ES-
570.1 > 483.0
1.000e-003



F51:MRM of 2 channels,ES-
584.2 > 483.0
1.000e-003

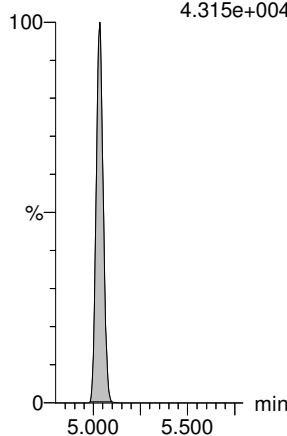


F51:MRM of 2 channels,ES-
584.2 > 483.0
1.000e-003



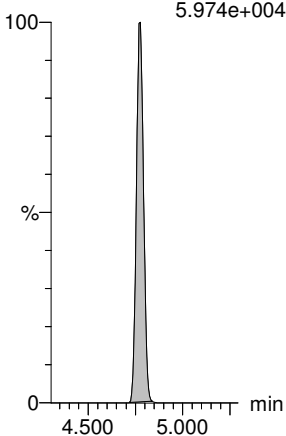
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
4.315e+004



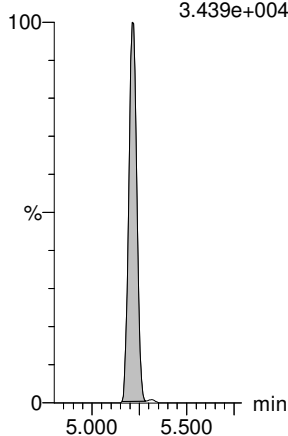
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
5.974e+004



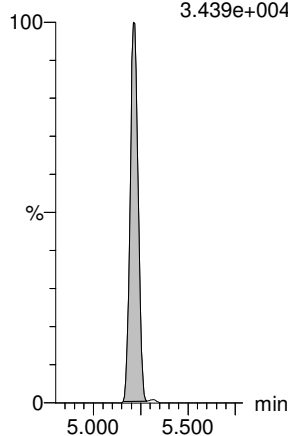
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
3.439e+004



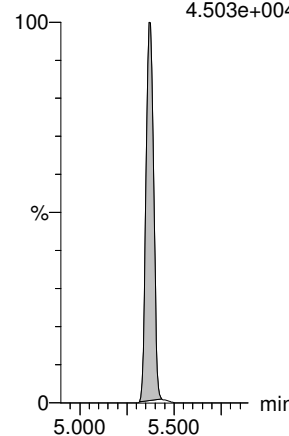
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
3.439e+004



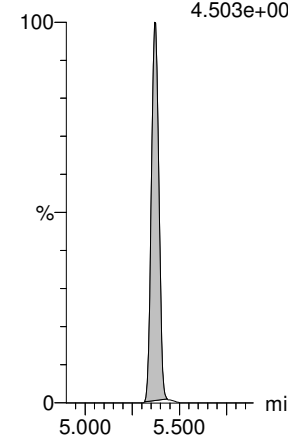
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
4.503e+004



d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
4.503e+004



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Name: 180529M1_23, Date: 29-May-2018, Time: 21:35:24, ID: B8E0209-BLK1 Method Blank 0.25, Description: Method Blank

PFUdA

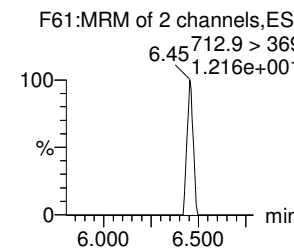
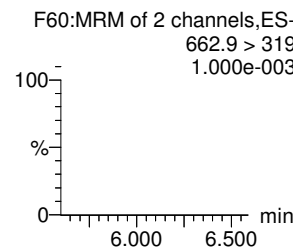
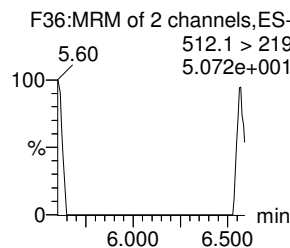
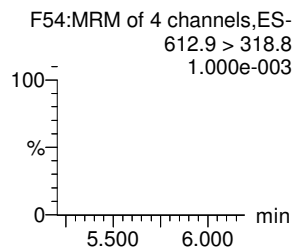
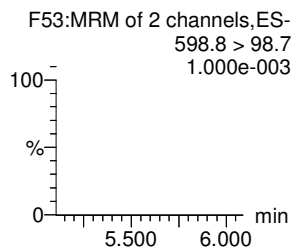
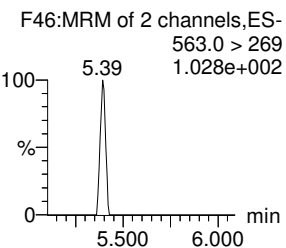
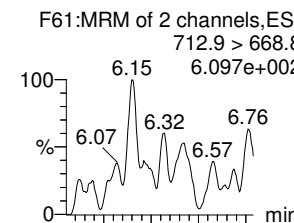
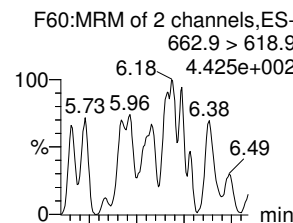
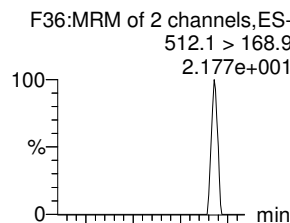
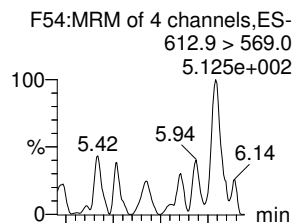
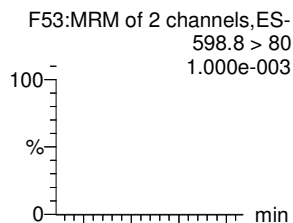
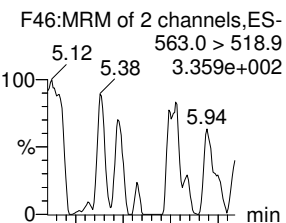
PFDS

PFDoA

N-MeFOSA

PFTrDA

PFTeDA



13C2-PFUdA

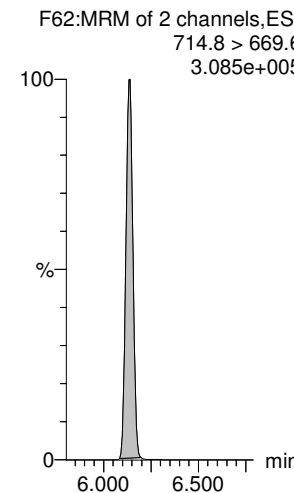
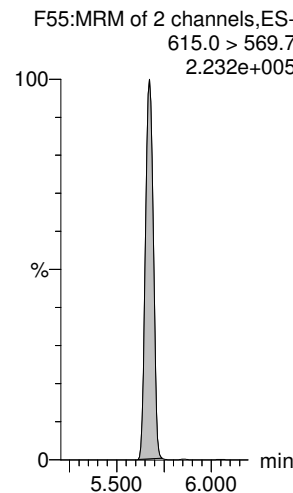
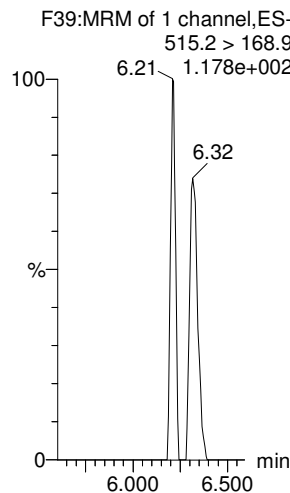
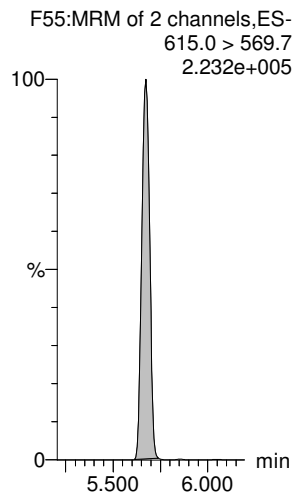
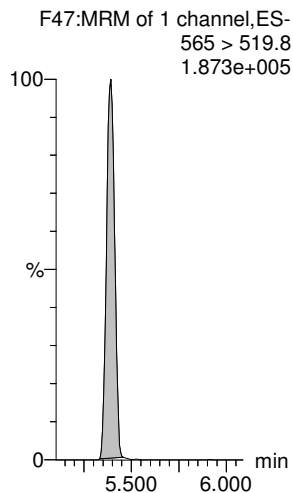
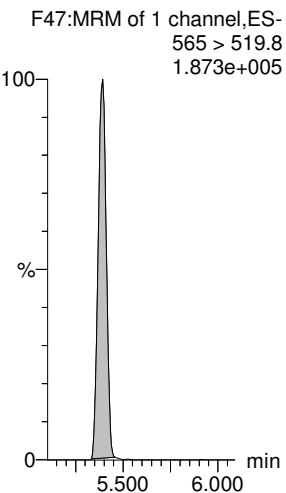
13C2-PFUdA

13C2-PFDoA

d3-N-MeFOSA

13C2-PFDoA

13C2-PFTeDA



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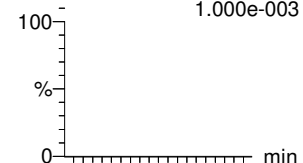
Last Altered: Wednesday, May 30, 2018 13:28:28 Pacific Daylight Time

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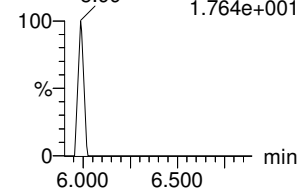
Name: 180529M1_23, Date: 29-May-2018, Time: 21:35:24, ID: B8E0209-BLK1 Method Blank 0.25, Description: Method Blank

N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
1.000e-003

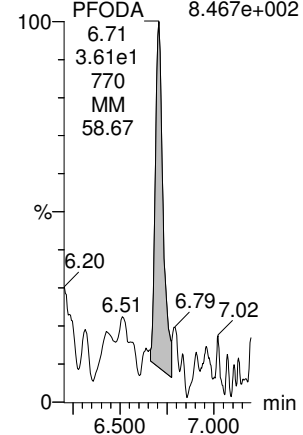


F41:MRM of 2 channels,ES-
526.1 > 219
1.764e+001



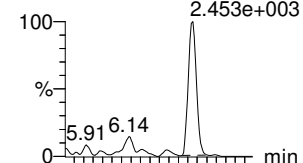
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
8.467e+002

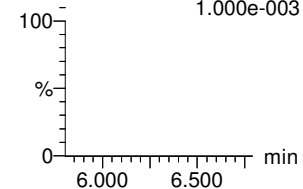


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
2.453e+003

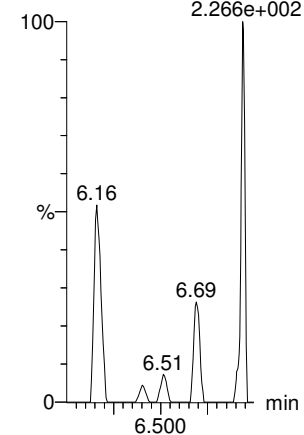


F63:MRM of 2 channels,ES-
813.1 > 219
1.000e-003



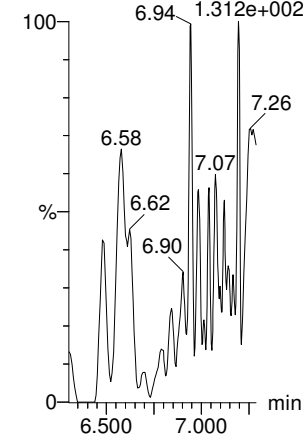
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
2.266e+002



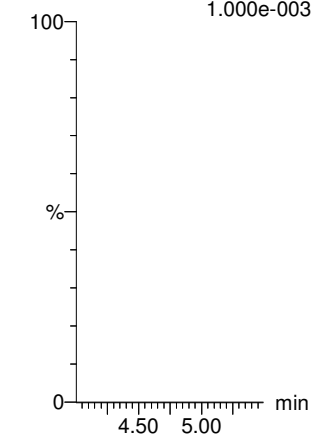
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
1.312e+002



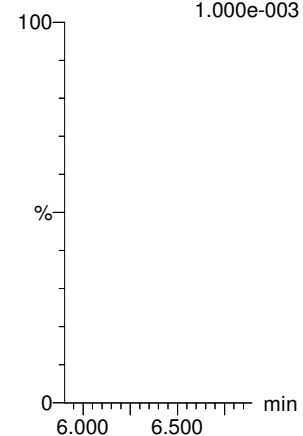
TCDA

F31:MRM of 3 channels,ES-
-
498.3 > 106.9
1.000e-003



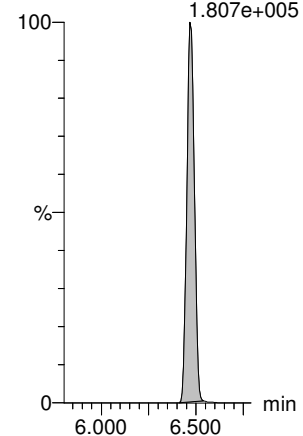
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
-
531.1 > 168.9
1.000e-003



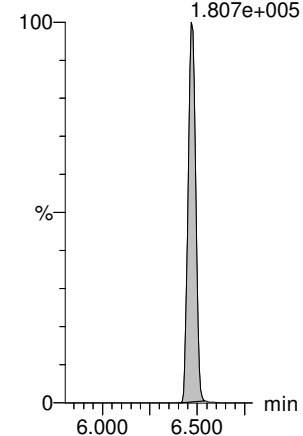
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
1.807e+005



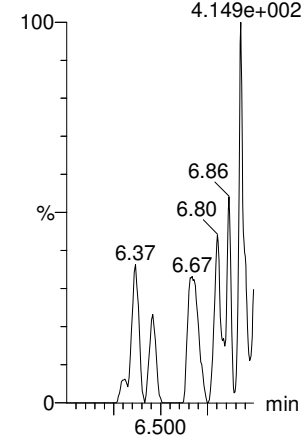
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
1.807e+005



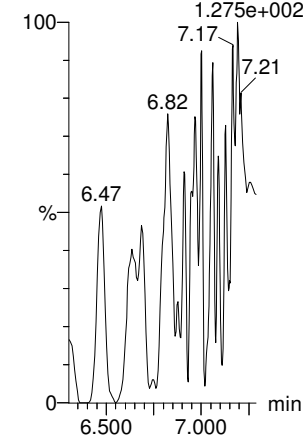
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
4.149e+002



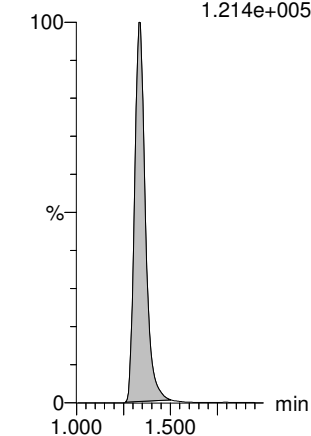
d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
1.275e+002



13C4-PFBA

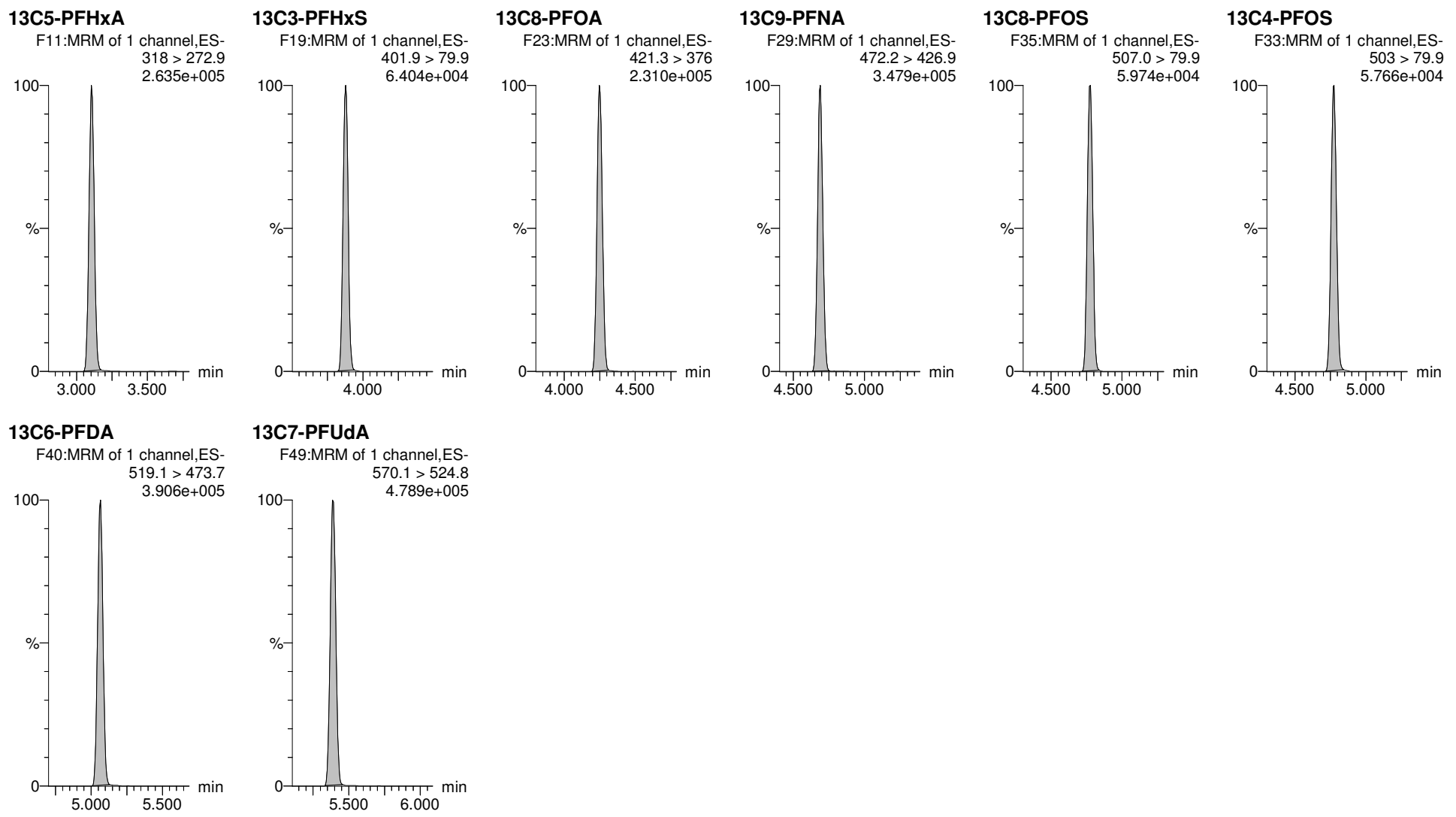
F4:MRM of 1 channel,ES-
217. > 171.8
1.214e+005



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Last Altered: Wednesday, May 30, 2018 13:28:28 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 13:30:01 Pacific Daylight Time

Name: 180529M1_23, Date: 29-May-2018, Time: 21:35:24, ID: B8E0209-BLK1 Method Blank 0.25, Description: Method Blank



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-22.qld

Last Altered: Wednesday, May 30, 2018 13:13:22 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 13:17:12 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_22, Date: 29-May-2018, Time: 21:24:53, ID: B8E0209-BS1 OPR 0.25, Description: OPR

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	5.91e3	6.22e3	0.2500		1.34	1.33	11.9	40.838	102.1		
2	2 PFPeA	263.1 > 218.9	7.12e3	8.29e3	0.2500		2.32	2.31	10.7	42.222	105.6		
3	3 PFBS	299.0 > 79.7	1.95e3	1.13e3	0.2500		2.61	2.61	21.6	41.554	103.9	2.757	NO
4	4 4:2 FTS	327.2>307.2	2.42e3	2.24e3	0.2500		3.02	3.02	13.5	43.403	108.5	1.895	NO
5	5 PFHxA	313.2 > 268.9	1.03e4	2.85e3	0.2500		3.10	3.10	18.0	41.074	102.7	169.910	NO
6	6 PFPeS	349.1>80.1	1.80e3	1.13e3	0.2500		3.31	3.31	19.9	43.029	107.6	1.718	NO
7	7 PFHpA	363.0 > 318.9	7.95e3	7.62e3	0.2500		3.72	3.72	13.0	41.327	103.3	14.890	NO
8	8 L-PFHxS	398.9 > 79.6	1.53e3	9.73e2	0.2500		3.88	3.88	19.7	42.031	105.1	1.777	NO
9	10 6:2 FTS	427.1 > 407	2.56e3	2.25e3	0.2500		4.19	4.19	14.2	40.431	101.1	3.210	NO
10	11 L-PFOA	413 > 368.7	9.45e3	1.17e4	0.2500		4.25	4.25	10.1	42.888	107.2	3.386	NO
11	13 PFHpS	449 > 80.0	1.75e3	1.17e4	0.2500		4.36	4.36	1.87	51.568	128.9	1.963	NO
12	14 PFNA	463.0 > 418.8	1.03e4	8.43e3	0.2500		4.68	4.69	15.2	45.882	114.7	3.754	NO
13	15 PFOSA	498.2 > 77.9	6.60e2	9.78e2	0.2500		4.75	4.75	8.43	39.909	99.8	12.546	YES
14	16 L-PFOS	499.1 > 79.9	1.76e3	2.24e3	0.2500		4.77	4.78	9.83	45.462	113.7	2.269	NO
15	18 PFDA	513 > 468.8	1.12e4	1.09e4	0.2500		5.06	5.06	12.8	45.929	114.8	5.996	NO
16	19 8:2 FTS	527 > 506.9	2.47e3	2.19e3	0.2500		5.03	5.04	14.1	42.028	105.1	2.673	NO
17	20 PFNS	549.1>80.1	1.45e3	2.24e3	0.2500		5.13	5.13	8.09	40.412	101.0	1.891	NO
18	21 L-MeFOSAA	570.1 > 419	2.64e3	1.32e3	0.2500		5.22	5.22	24.9	41.062	102.7	17.222	NO

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-22.qld

Last Altered: Wednesday, May 30, 2018 13:13:22 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 13:17:22 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_22, Date: 29-May-2018, Time: 21:24:53, ID: B8E0209-BS1 OPR 0.25, Description: OPR

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	23 L-EtFOSAA	584.2 > 419	1.92e3	1.85e3	0.2500		5.37	5.38	13.0	39.485	98.7	29.022	YES
2	25 PFUdA	563.0 > 518.9	7.46e3	9.41e3	0.2500		5.39	5.39	9.91	42.582	106.5	10.339	NO
3	26 PFDS	598.8 > 80	1.70e3	9.41e3	0.2500		5.44	5.44	2.26	56.691	141.7	1.974	NO
4	27 PFDoA	612.9 > 569.0	1.12e4	1.04e4	0.2500		5.67	5.67	13.5	42.090	105.2	8.045	NO
5	28 N-MeFOSA	512.1 > 168.9	7.03e2		0.2500		5.83	5.83				1.396	NO
6	29 PFTTrDA	662.9 > 618.9	1.36e4	1.04e4	0.2500		5.92	5.92	16.4	47.644	119.1	26.044	NO
7	30 PFTeDA	712.9 > 668.8	1.11e4	1.08e4	0.2500		6.14	6.14	12.8	43.009	107.5	13.896	NO
8	31 N-EtFOSA	526.1 > 168.9	7.61e2		0.2500		6.24	6.25				1.504	NO
9	32 PFHxDA	813.1 > 768.6	1.12e4	7.75e3	0.2500		6.48	6.48	7.22	43.206	108.0	41.693	NO
10	33 PFODA	913.1 > 868.8	1.35e4	7.75e3	0.2500		6.71	6.71	8.71	43.656	109.1		
11	34 N-MeFOSE	616.1 > 58.9	8.07e2		0.2500		6.41	6.41					
12	35 N-EtFOSE	630.1 > 58.9	9.06e2		0.2500		6.56	6.55					
13	36 13C3-PFBA	216.1 > 171.8	6.22e3	7.07e3	0.2500	0.894	1.33	1.34	11.0	49.192	98.4		
14	37 13C3-PFPeA	266. > 221.8	8.29e3	1.02e4	0.2500	0.886	2.32	2.32	10.1	45.677	91.4		
15	38 13C3-PFBS	302. > 98.8	1.13e3	1.02e4	0.2500	0.109	2.61	2.61	1.38	50.608	101.2		
16	39 13C2-4:2 FTS	329.2>308.9	2.24e3	1.02e4	0.2500	0.231	3.02	3.02	2.74	47.440	94.9		
17	40 13C2-PFHxA	315 > 269.8	2.85e3	1.02e4	0.2500	0.731	3.10	3.10	3.48	19.060	95.3		
18	41 13C4-PFHpA	367.2 > 321.8	7.62e3	1.02e4	0.2500	0.761	3.72	3.72	9.31	48.900	97.8		
19	42 18O2-PFHxS	403.0 > 102.6	9.73e2	2.43e3	0.2500	0.436	3.87	3.88	5.01	45.962	91.9		
20	43 13C2-6:2 FTS	429.1 > 408.9	2.25e3	8.28e3	0.2500	0.267	4.19	4.19	3.40	50.976	102.0		
21	44 13C2-PFOA	414.9 > 369.7	1.17e4	8.28e3	0.2500	1.601	4.25	4.25	17.6	43.985	88.0		
22	45 13C5-PFNA	468.2 > 422.9	8.43e3	1.11e4	0.2500	0.953	4.69	4.69	9.51	39.941	79.9		
23	46 13C8-PFOSA	506.1 > 77.7	9.78e2	1.67e4	0.2500	0.178	4.75	4.75	0.732	16.441	32.9		
24	47 13C8-PFOS	507.0 > 79.9	2.24e3	2.12e3	0.2500	1.064	4.77	4.78	13.2	49.752	99.5		
25	48 13C2-PFDA	515.1 > 469.9	1.09e4	1.45e4	0.2500	1.032	5.06	5.06	9.40	36.424	72.8		
26	49 13C2-8:2 FTS	529.1 > 508.7	2.19e3	1.02e4	0.2500	0.215	5.03	5.03	2.67	49.763	99.5		
27	50 d3-N-MeFOSAA	573.3 > 419	1.32e3	1.67e4	0.2500	0.134	5.21	5.21	0.992	29.627	59.3		
28	51 d5-N-EtFOSAA	589.3 > 419	1.85e3	1.67e4	0.2500	0.177	5.37	5.37	1.39	31.292	62.6		
29	52 13C2-PFUdA	565 > 519.8	9.41e3	1.67e4	0.2500	0.948	5.39	5.39	7.04	29.733	59.5		
30	53 13C2-PFDoA	615.0 > 569.7	1.04e4	1.45e4	0.2500	1.114	5.67	5.67	8.95	32.107	64.2		
31	54 d3-N-MeFOSA	515.2 > 168.9		1.67e4	0.2500	0.054	5.85						
32	55 13C2-PFTeDA	714.8 > 669.6	1.08e4	1.67e4	0.2500	0.860	6.14	6.14	8.09	37.624	75.2	AR 5/30/2018	

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-22.qld

Last Altered: Wednesday, May 30, 2018 13:13:22 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 13:17:22 Pacific Daylight Time

Name: 180529M1_22, Date: 29-May-2018, Time: 21:24:53, ID: B8E0209-BS1 OPR 0.25, Description: OPR

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
33	56 d5-N-ETFOSA	531.1 > 168.9		1.67e4	0.2500	0.073	6.26						
34	57 13C2-PFHxDA	815 > 769.7	7.75e3	1.67e4	0.2500	1.257	6.48	6.48	5.80	18.476	92.4		
35	58 d7-N-MeFOSE	623.1 > 58.9		1.67e4	0.2500	0.050	6.40						
36	59 d9-N-EtFOSE	639.2 > 58.8		1.67e4	0.2500	0.046	6.54						
37	60 13C4-PFBA	217. > 171.8	7.07e3	7.07e3	0.2500	1.000	1.33	1.33	12.5	50.000	100.0		
38	61 13C5-PFHxA	318 > 272.9	1.02e4	1.02e4	0.2500	1.000	3.10	3.10	12.5	50.000	100.0		
39	62 13C3-PFHxS	401.9 > 79.9	2.43e3	2.43e3	0.2500	1.000	3.87	3.88	12.5	50.000	100.0		
40	63 13C8-PFOA	421.3 > 376	8.28e3	8.28e3	0.2500	1.000	4.25	4.25	12.5	50.000	100.0		
41	64 13C9-PFNA	472.2 > 426.9	1.11e4	1.11e4	0.2500	1.000	4.69	4.69	12.5	50.000	100.0		
42	65 13C4-PFOS	503 > 79.9	2.12e3	2.12e3	0.2500	1.000	4.77	4.78	12.5	50.000	100.0		
43	66 13C6-PFDA	519.1 > 473.7	1.45e4	1.45e4	0.2500	1.000	5.06	5.06	12.5	50.000	100.0		
44	67 13C7-PFUdA	570.1 > 524.8	1.67e4	1.67e4	0.2500	1.000	5.39	5.39	12.5	50.000	100.0		
45	68 Total PFHxS	398.9 > 79.6	1.53e3	9.73e2	0.2500		4.05		19.7	42.031			
46	69 Total PFOA	413 > 368.7	9.45e3	1.17e4	0.2500		4.30		10.1	42.888			
47	70 Total PFOS	499.1 > 79.9	1.76e3	2.24e3	0.2500		4.90		9.83	45.462			
48	71 Total N-MeFOSAA	570.1 > 419	2.64e3	1.32e3	0.2500		5.55		24.9	41.062			
49	72 Total N-EtFOSAA	584.2 > 419	1.92e3	1.85e3	0.2500		5.70		13.0	39.485			

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-22.qld

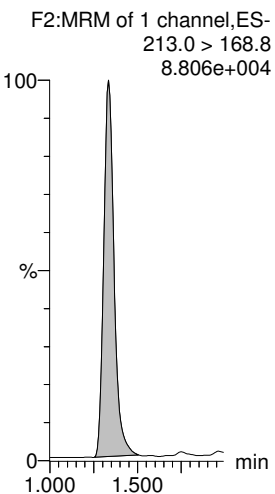
Last Altered: Wednesday, May 30, 2018 13:13:22 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 13:17:22 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

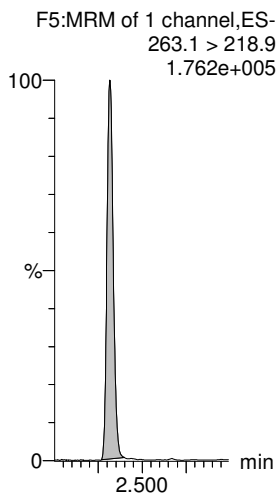
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Name: 180529M1_22, Date: 29-May-2018, Time: 21:24:53, ID: B8E0209-BS1 OPR 0.25, Description: OPR

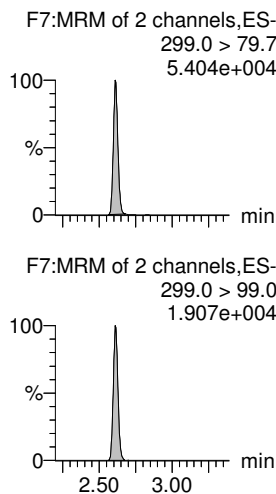
PFBA



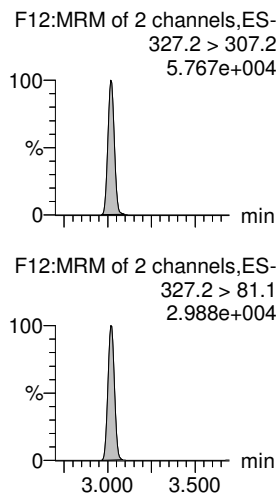
PFPeA



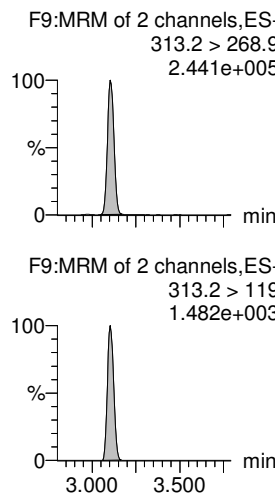
PFBS



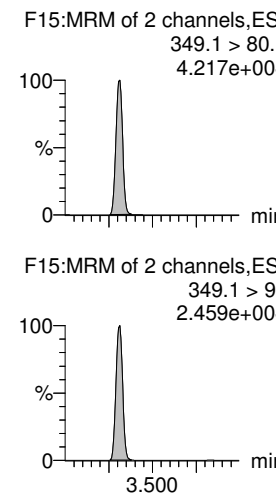
4:2 FTS



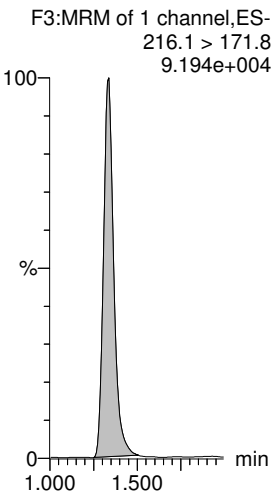
PFHxA



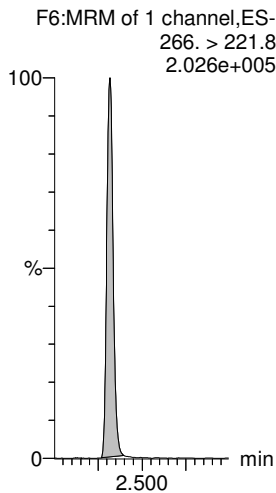
PFPeS



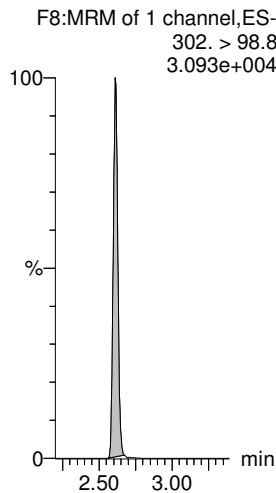
13C3-PFBA



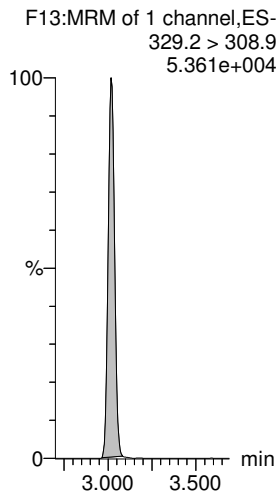
13C3-PFPeA



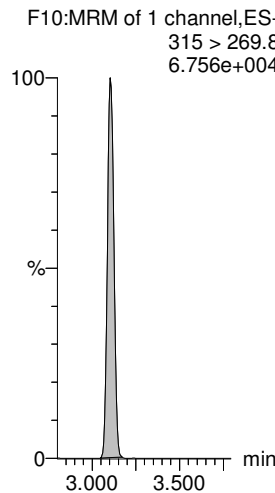
13C3-PFBS



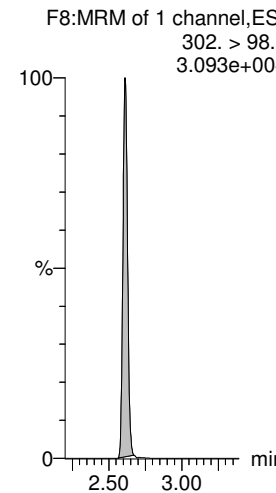
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-22.qld

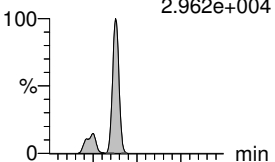
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Printed: Wednesday, May 30, 2018 13:17:22 Pacific Daylight Time

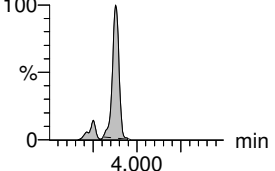
Name: 180529M1_22, Date: 29-May-2018, Time: 21:24:53, ID: B8E0209-BS1 OPR 0.25, Description: OPR

L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
2.962e+004

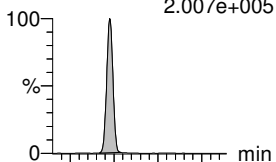


F18:MRM of 2 channels,ES-
398.9 > 99.0
1.701e+004

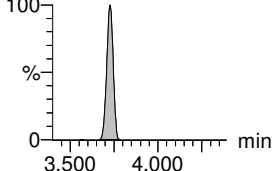


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
2.007e+005

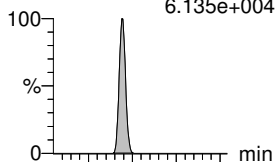


F16:MRM of 2 channels,ES-
363.0 > 169.0
1.290e+004

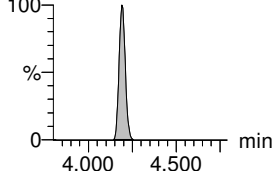


6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
6.135e+004

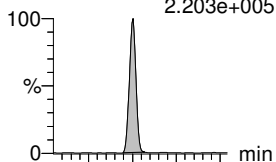


F24:MRM of 2 channels,ES-
427.1 > 80
1.966e+004

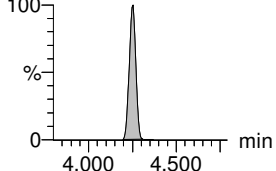


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
2.203e+005

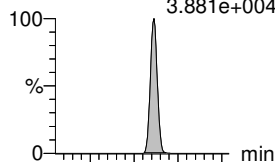


F21:MRM of 2 channels,ES-
413 > 169
6.476e+004

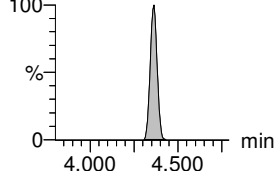


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
3.881e+004

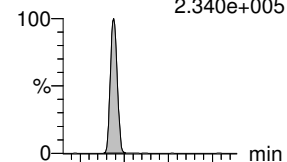


F26:MRM of 2 channels,ES-
449 > 98.7
1.966e+004

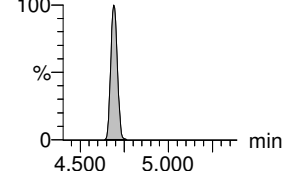


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
2.340e+005

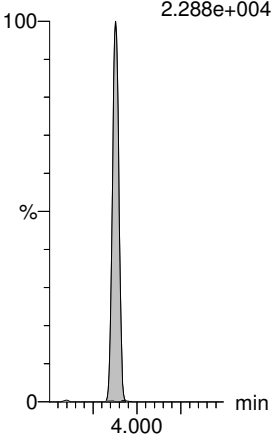


F27:MRM of 2 channels,ES-
463.0 > 219.0
6.509e+004



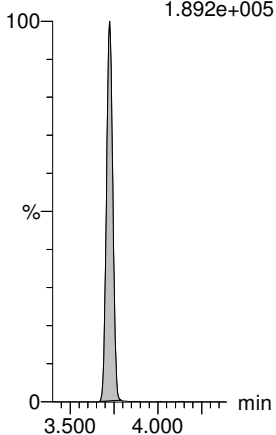
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.288e+004



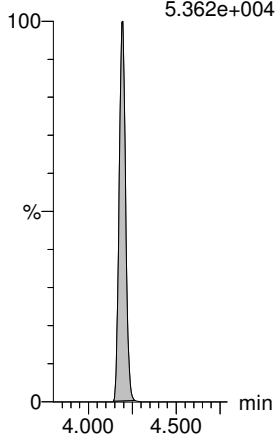
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
1.892e+005



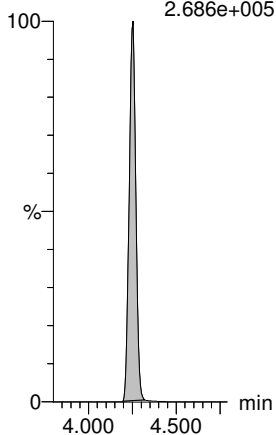
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
5.362e+004



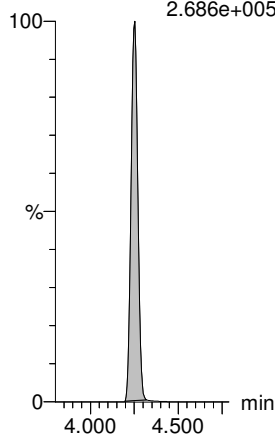
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
2.686e+005



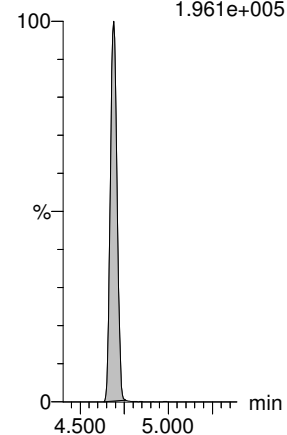
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
2.686e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
1.961e+005

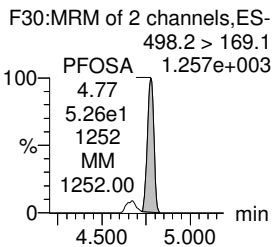
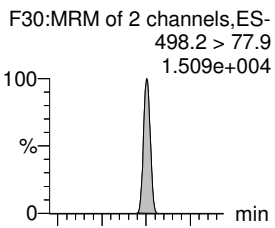


Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-22.qld

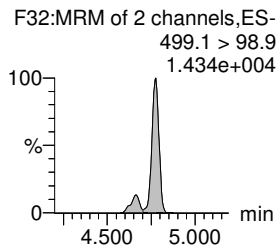
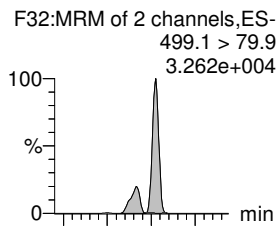
Last Altered: Wednesday, May 30, 2018 13:13:22 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 13:17:22 Pacific Daylight Time

Name: 180529M1_22, Date: 29-May-2018, Time: 21:24:53, ID: B8E0209-BS1 OPR 0.25, Description: OPR

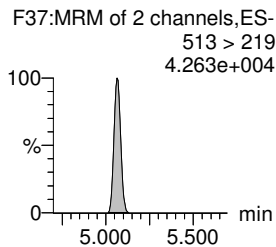
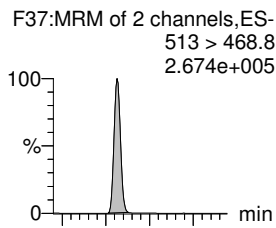
PFOSA



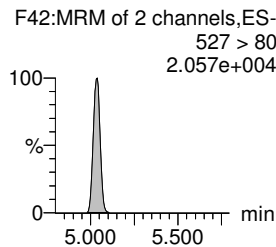
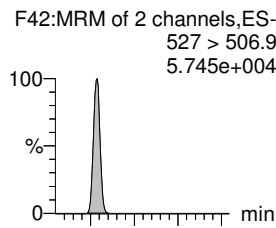
L-PFOS



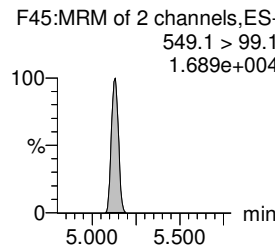
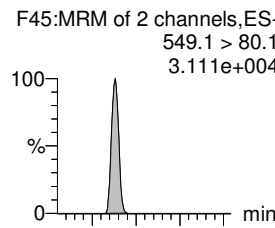
PFDA



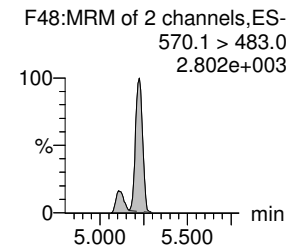
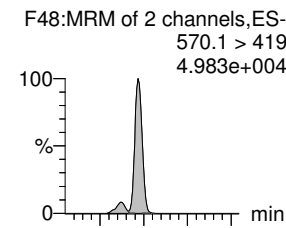
8:2 FTS



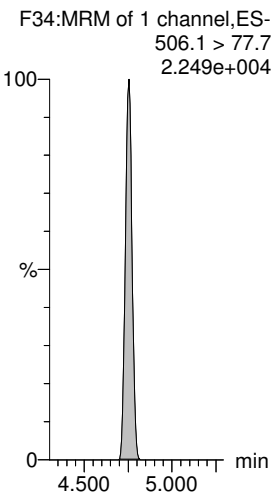
PFNS



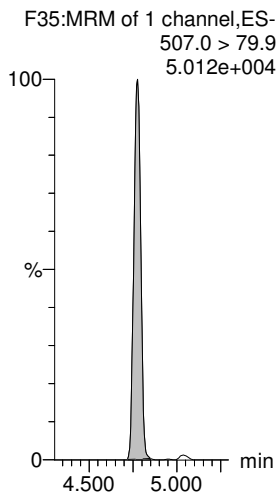
L-MeFOSAA



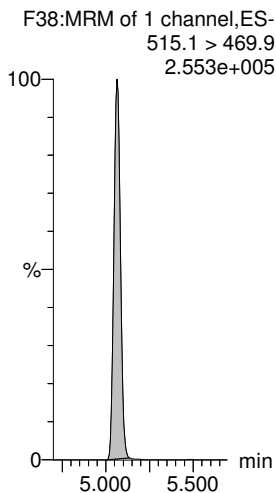
13C8-PFOSA



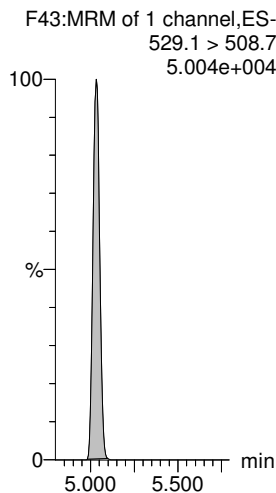
13C8-PFOS



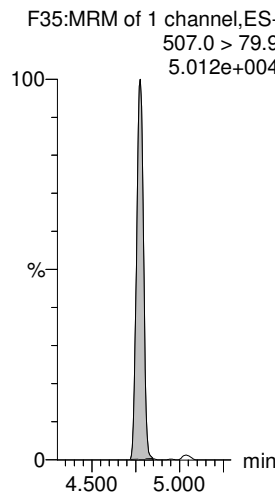
13C2-PFDA



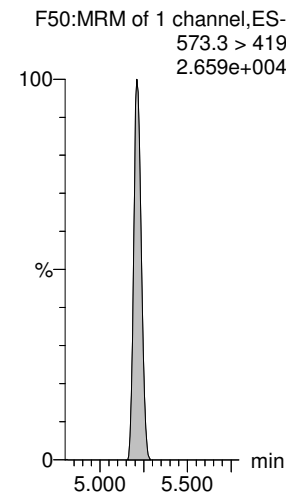
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-22.qld

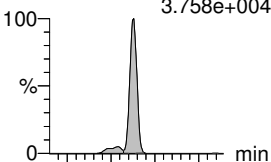
Last Altered: Wednesday, May 30, 2018 13:13:22 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 13:17:22 Pacific Daylight Time

Name: 180529M1_22, Date: 29-May-2018, Time: 21:24:53, ID: B8E0209-BS1 OPR 0.25, Description: OPR

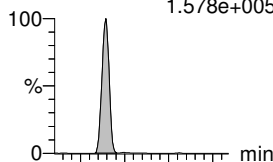
L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
3.758e+004



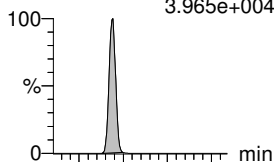
PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
1.578e+005



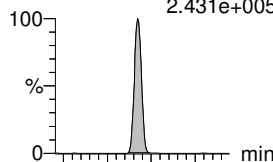
PFDS

F53:MRM of 2 channels,ES-
598.8 > 80
3.965e+004



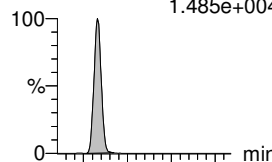
PFDoA

F54:MRM of 4 channels,ES-
612.9 > 569.0
2.431e+005



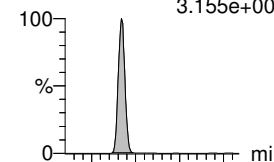
N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
1.485e+004

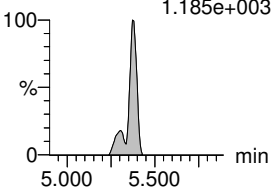


PFTrDA

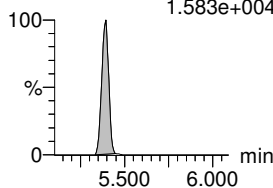
F60:MRM of 2 channels,ES-
662.9 > 618.9
3.155e+005



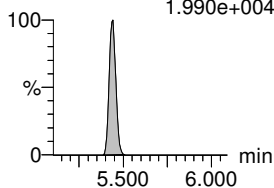
F51:MRM of 2 channels,ES-
584.2 > 483.0
1.185e+003



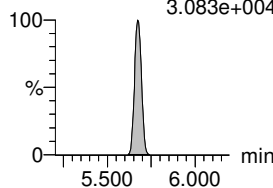
F46:MRM of 2 channels,ES-
563.0 > 269
1.583e+004



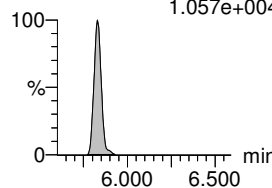
F53:MRM of 2 channels,ES-
598.8 > 98.7
1.990e+004



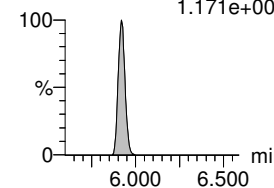
F54:MRM of 4 channels,ES-
612.9 > 318.8
3.083e+004



F36:MRM of 2 channels,ES-
512.1 > 219
1.057e+004

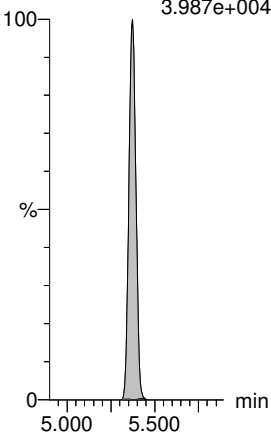


F60:MRM of 2 channels,ES-
662.9 > 319
1.171e+004



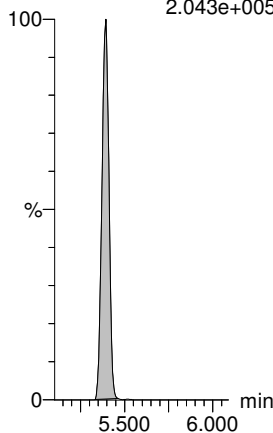
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
3.987e+004



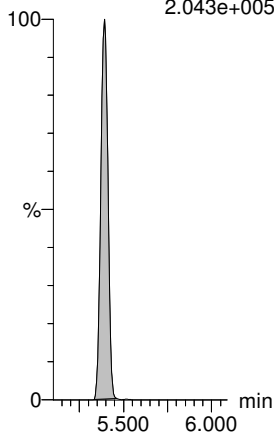
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
2.043e+005



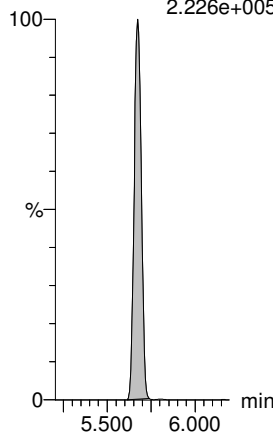
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
2.043e+005



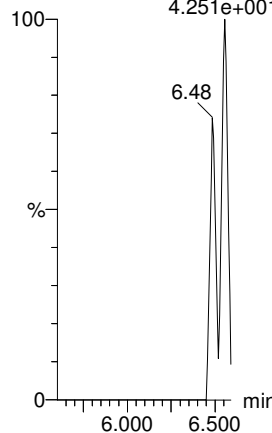
13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
2.226e+005



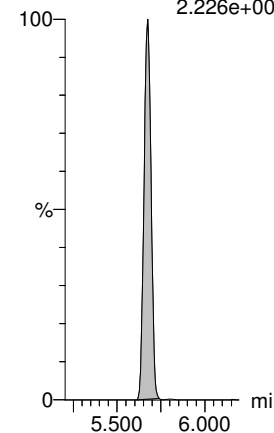
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
4.251e+001



13C2-PFDoA

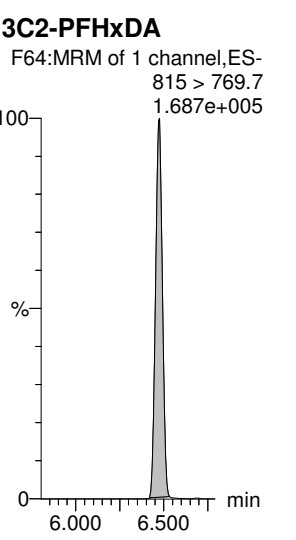
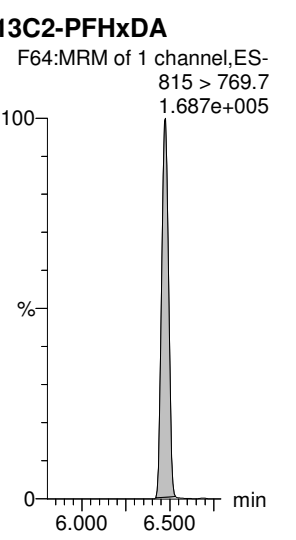
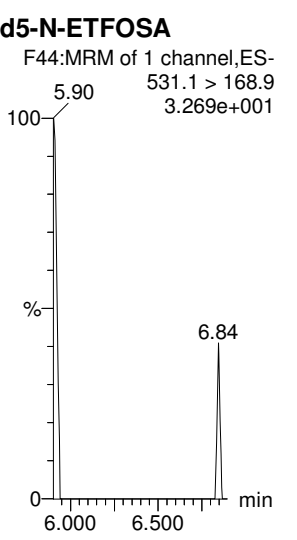
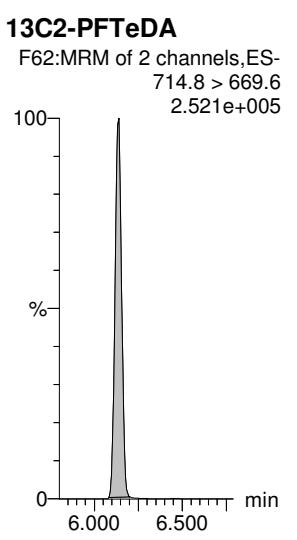
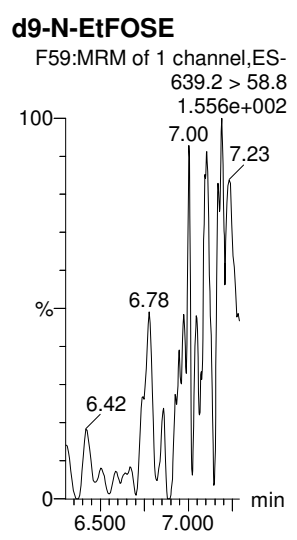
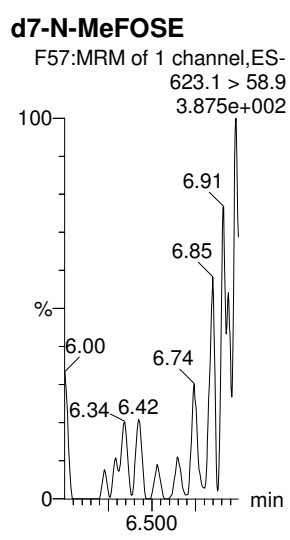
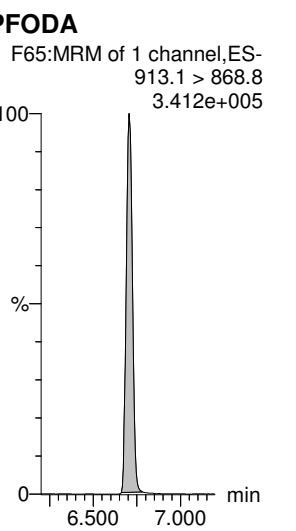
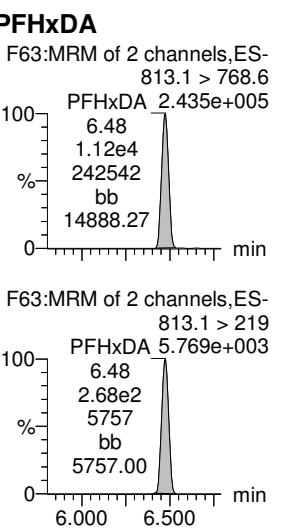
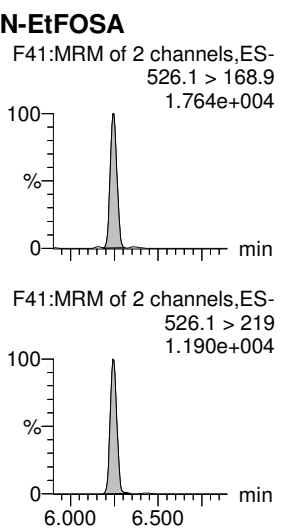
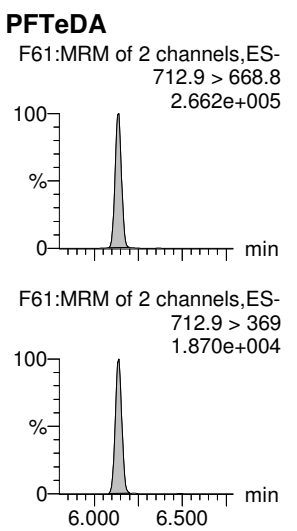
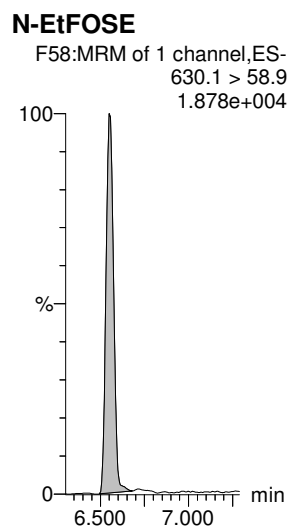
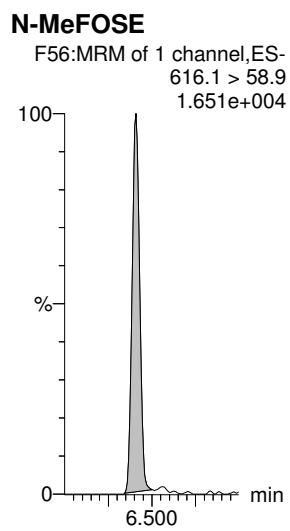
F55:MRM of 2 channels,ES-
615.0 > 569.7
2.226e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-22.qld

Last Altered: Wednesday, May 30, 2018 13:13:22 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 13:17:22 Pacific Daylight Time

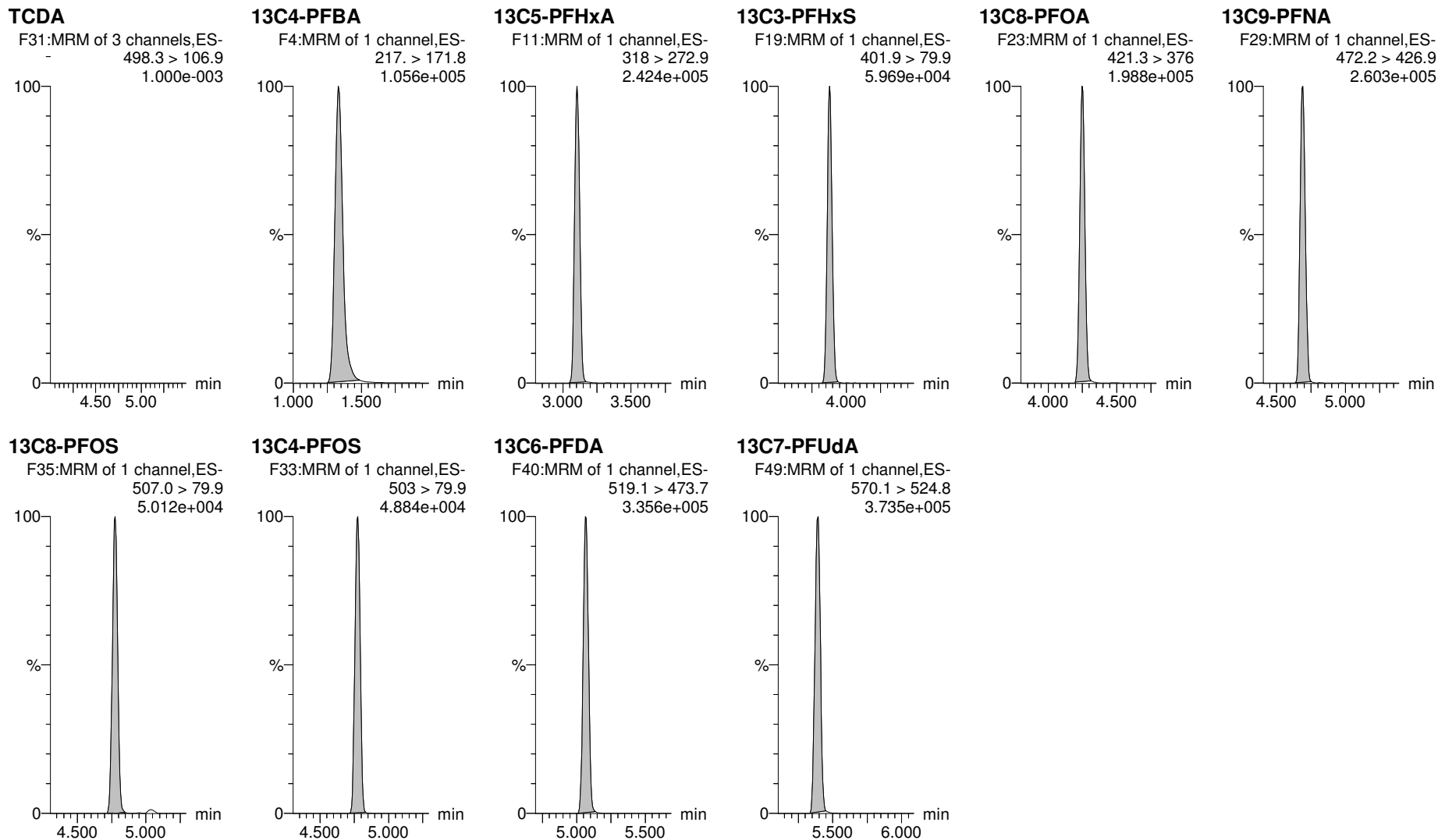
Name: 180529M1_22, Date: 29-May-2018, Time: 21:24:53, ID: B8E0209-BS1 OPR 0.25, Description: OPR



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-22.qld

Last Altered: Wednesday, May 30, 2018 13:13:22 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 13:17:22 Pacific Daylight Time

Name: 180529M1_22, Date: 29-May-2018, Time: 21:24:53, ID: B8E0209-BS1 OPR 0.25, Description: OPR



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-24.qld

Last Altered: Wednesday, May 30, 2018 13:44:19 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:36:08 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_24, Date: 29-May-2018, Time: 21:45:49, ID: 1801014-01 EB1805161240GSC 0.24251, Description: EB1805161240GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8		8.23e3	0.2425		1.33						
2	2 PFPeA	263.1 > 218.9		1.08e4	0.2425		2.31						
3	3 PFBS	299.0 > 79.7	4.66e1	1.44e3	0.2425		2.61	2.61	0.404	0.990		2.062	NO
4	4 4:2 FTS	327.2>307.2		2.75e3	0.2425		3.02						
5	5 PFHxA	313.2 > 268.9		3.69e3	0.2425		3.10						
6	6 PFPeS	349.1>80.1		1.44e3	0.2425		3.31						
7	7 PFHpA	363.0 > 318.9		9.40e3	0.2425		3.72						
8	8 L-PFHxS	398.9 > 79.6		1.15e3	0.2425		3.88						
9	9 Br-PFHxS	398.9 > 79.6		1.15e3	0.2425		3.75						
10	10 6:2 FTS	427.1 > 407		2.61e3	0.2425		4.19						
11	11 L-PFOA	413 > 368.7		1.62e4	0.2425		4.25						
12	12 Br-PFOA	413 > 368.7		1.62e4	0.2425		4.18						
13	13 PFHpS	449 > 80.0		1.62e4	0.2425		4.36						
14	14 PFNA	463.0 > 418.8		1.25e4	0.2425		4.68						
15	15 PFOSA	498.2 > 77.9		2.16e3	0.2425		4.75						
16	16 L-PFOS	499.1 > 79.9	4.52e0	2.76e3	0.2425		4.77	4.77	0.0205			1.523	NO
17	17 Br-PFOS	499.1 > 79.9		2.76e3	0.2425		4.67						
18	18 PFDA	513 > 468.8	3.56e1	1.54e4	0.2425		5.06	5.06	0.0290			22.705	YES
19	19 8:2 FTS	527 > 506.9		2.99e3	0.2425		5.03						
20	20 PFNS	549.1>80.1		2.76e3	0.2425		5.13						
21	21 L-MeFOSAA	570.1 > 419		1.85e3	0.2425		5.22						
22	23 L-EtFOSAA	584.2 > 419		2.42e3	0.2425		5.37						
23	25 PFUdA	563.0 > 518.9		1.59e4	0.2425		5.39						
24	26 PFDS	598.8 > 80		1.59e4	0.2425		5.44						
25	27 PFDaA	612.9 > 569.0		1.38e4	0.2425		5.67						
26	29 PFTTrDA	662.9 > 618.9		1.38e4	0.2425		5.92						
27	30 PFTeDA	712.9 > 668.8		1.49e4	0.2425		6.14						

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-24.qld

Last Altered: Wednesday, May 30, 2018 13:44:19 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:36:22 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_24, Date: 29-May-2018, Time: 21:45:49, ID: 1801014-01 EB1805161240GSC 0.24251, Description: EB1805161240GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	36 13C3-PFBA	216.1 > 171.8	8.23e3	9.69e3	0.2425	0.894	1.33	1.33	10.6	48.950	95.0		
2	37 13C3-PFPeA	266. > 221.8	1.08e4	1.30e4	0.2425	0.886	2.32	2.31	10.4	48.292	93.7		
3	38 13C3-PFBS	302. > 98.8	1.44e3	1.30e4	0.2425	0.109	2.61	2.61	1.38	52.447	101.8		
4	39 13C2-4:2 FTS	329.2>308.9	2.75e3	1.30e4	0.2425	0.231	3.02	3.02	2.64	47.180	91.5		
5	40 13C2-PFHxA	315 > 269.8	3.69e3	1.30e4	0.2425	0.731	3.10	3.10	3.54	19.977	96.9		
6	41 13C4-PFHpA	367.2 > 321.8	9.40e3	1.30e4	0.2425	0.761	3.72	3.72	9.02	48.872	94.8		
7	42 18O2-PFHxS	403.0 > 102.6	1.15e3	2.92e3	0.2425	0.436	3.87	3.88	4.92	46.546	90.3		
8	43 13C2-6:2 FTS	429.1 > 408.9	2.61e3	1.16e4	0.2425	0.267	4.19	4.19	2.82	43.601	84.6		
9	44 13C2-PFOA	414.9 > 369.7	1.62e4	1.16e4	0.2425	1.601	4.25	4.25	17.5	45.188	87.7		
10	45 13C5-PFNA	468.2 > 422.9	1.25e4	1.45e4	0.2425	0.953	4.69	4.69	10.8	46.637	90.5		
11	46 13C8-PFOSA	506.1 > 77.7	2.16e3	2.04e4	0.2425	0.178	4.75	4.75	1.32	30.565	59.3		
12	47 13C8-PFOS	507.0 > 79.9	2.76e3	3.00e3	0.2425	1.064	4.77	4.77	11.5	44.486	86.3		
13	48 13C2-PFDA	515.1 > 469.9	1.54e4	1.75e4	0.2425	1.032	5.06	5.06	10.9	43.705	84.8		
14	49 13C2-8:2 FTS	529.1 > 508.7	2.99e3	1.30e4	0.2425	0.215	5.03	5.03	2.87	55.057	106.8		
15	50 d3-N-MeFOSAA	573.3 > 419	1.85e3	2.04e4	0.2425	0.134	5.21	5.21	1.13	34.832	67.6		
16	51 d5-N-EtFOSAA	589.3 > 419	2.42e3	2.04e4	0.2425	0.177	5.37	5.37	1.48	34.371	66.7		
17	52 13C2-PFUdA	565 > 519.8	1.59e4	2.04e4	0.2425	0.948	5.39	5.39	9.74	42.400	82.3		
18	53 13C2-PFDoA	615.0 > 569.7	1.38e4	1.75e4	0.2425	1.114	5.67	5.67	9.84	36.400	70.6		
19	55 13C2-PFTeDA	714.8 > 669.6	1.49e4	2.04e4	0.2425	0.860	6.14	6.14	9.09	43.598	84.6		
20	60 13C4-PFBA	217. > 171.8	9.69e3	9.69e3	0.2425	1.000	1.33	1.33	12.5	51.544	100.0		
21	61 13C5-PFHxA	318 > 272.9	1.30e4	1.30e4	0.2425	1.000	3.10	3.10	12.5	51.544	100.0		
22	62 13C3-PFHxS	401.9 > 79.9	2.92e3	2.92e3	0.2425	1.000	3.87	3.88	12.5	51.544	100.0		
23	63 13C8-PFOA	421.3 > 376	1.16e4	1.16e4	0.2425	1.000	4.25	4.25	12.5	51.544	100.0		
24	64 13C9-PFNA	472.2 > 426.9	1.45e4	1.45e4	0.2425	1.000	4.69	4.69	12.5	51.544	100.0		
25	65 13C4-PFOS	503 > 79.9	3.00e3	3.00e3	0.2425	1.000	4.77	4.78	12.5	51.544	100.0		
26	66 13C6-PFDA	519.1 > 473.7	1.75e4	1.75e4	0.2425	1.000	5.06	5.06	12.5	51.544	100.0		
27	67 13C7-PFUdA	570.1 > 524.8	2.04e4	2.04e4	0.2425	1.000	5.39	5.39	12.5	51.544	100.0		
28	68 Total PFHxS	398.9 > 79.6	0.00e0	1.15e3	0.2425		4.05		0.000				
29	69 Total PFOA	413 > 368.7	0.00e0	1.62e4	0.2425		4.30		0.000				
30	70 Total PFOS	499.1 > 79.9	4.52e0	2.76e3	0.2425		4.90		0.000				
31	71 Total N-MeFOSAA	570.1 > 419	0.00e0	1.85e3	0.2425		5.55		0.000				
32	72 Total N-EtFOSAA	584.2 > 419	0.00e0	2.42e3	0.2425		5.70		0.000				AR 5/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-24.qld

Last Altered: Wednesday, May 30, 2018 13:44:19 Pacific Daylight Time

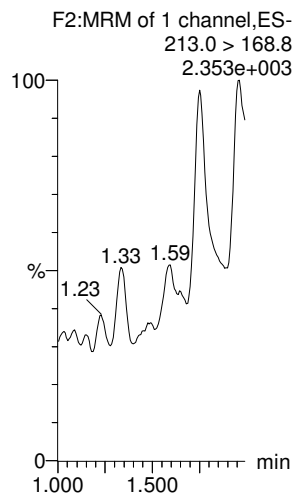
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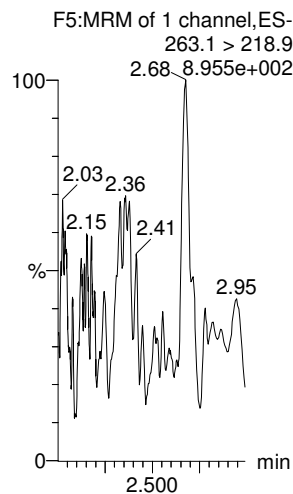
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Name: 180529M1_24, Date: 29-May-2018, Time: 21:45:49, ID: 1801014-01 EB1805161240GSC 0.24251, Description: EB1805161240GSC

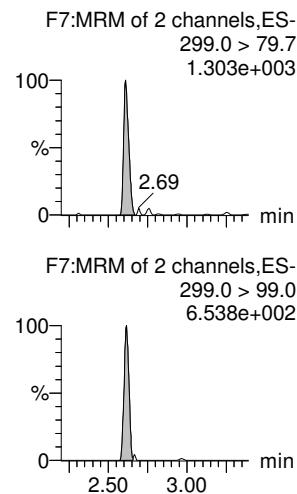
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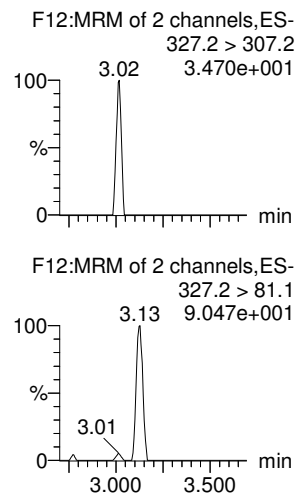
PFPeA



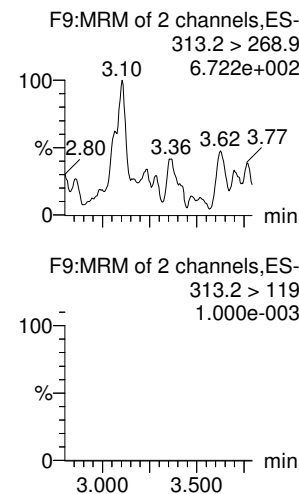
PFBS



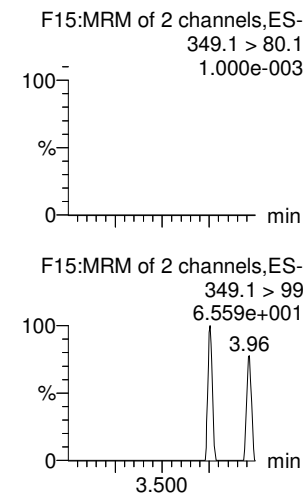
4:2 FTS



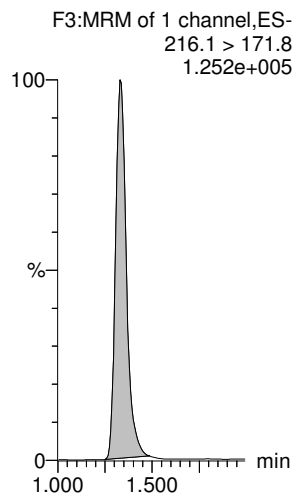
PFHxA



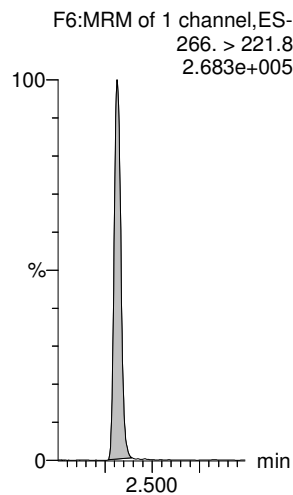
PFPeS



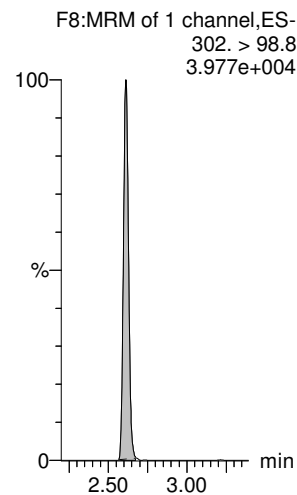
13C3-PFBA



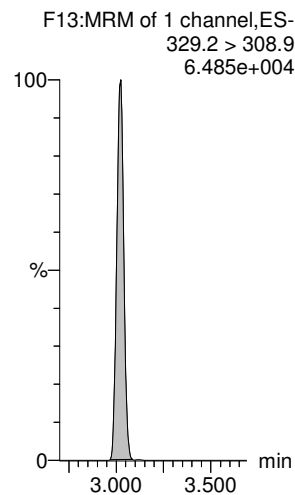
13C3-PFPeA



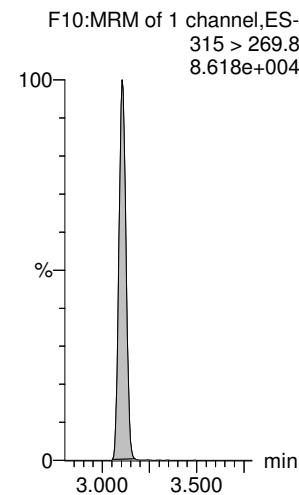
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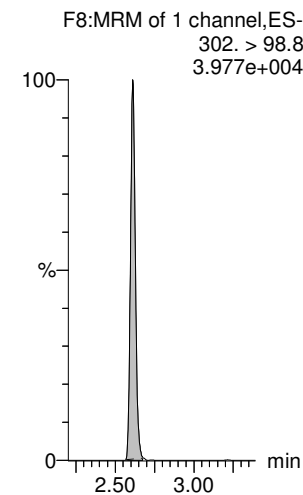
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-24.qld

Last Altered: Wednesday, May 30, 2018 13:44:19 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:36:22 Pacific Daylight Time

Name: 180529M1_24, Date: 29-May-2018, Time: 21:45:49, ID: 1801014-01 EB1805161240GSC 0.24251, Description: EB1805161240GSC

L-PFHxS

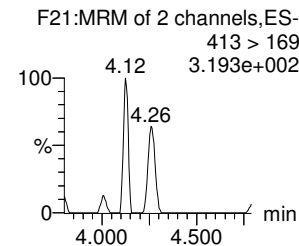
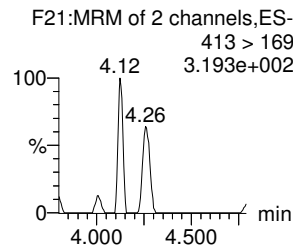
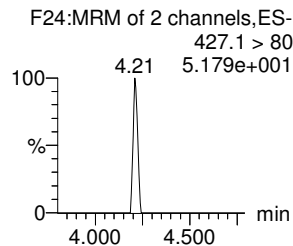
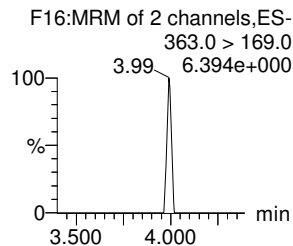
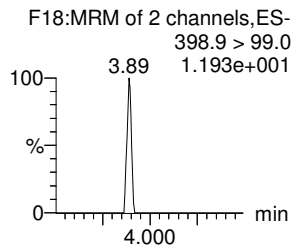
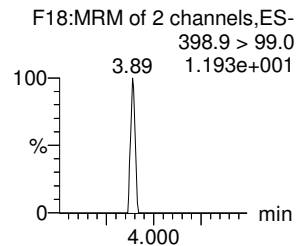
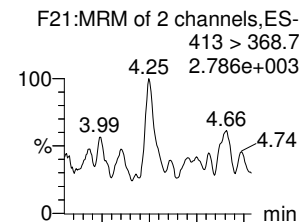
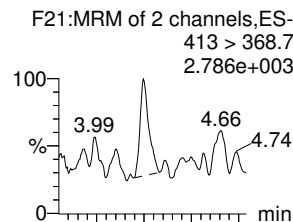
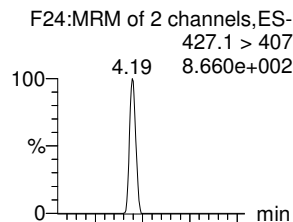
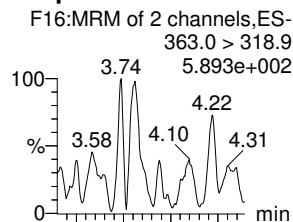
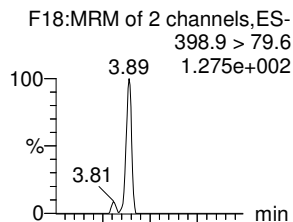
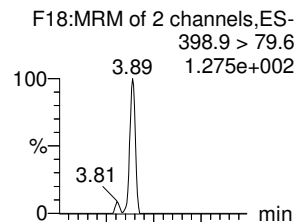
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

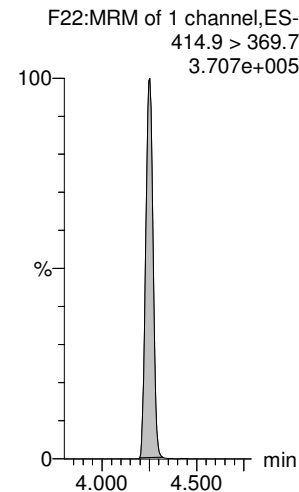
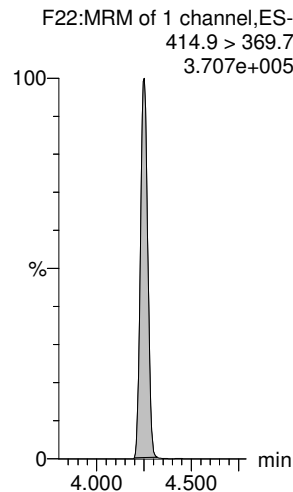
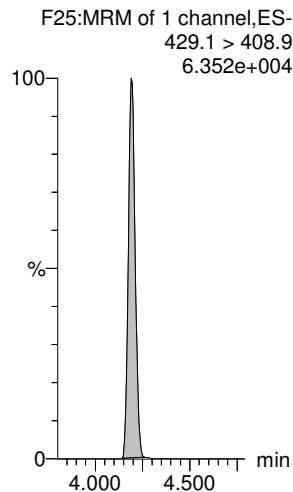
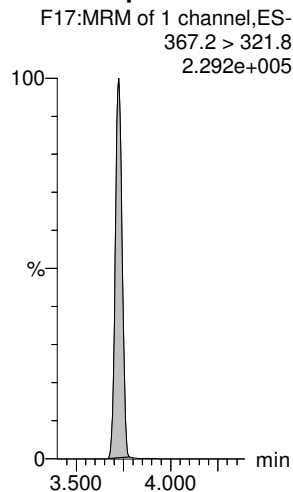
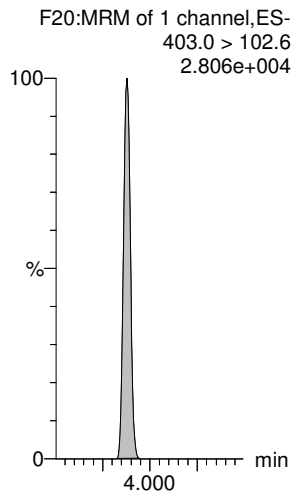
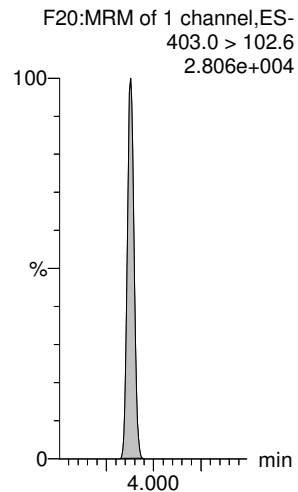
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



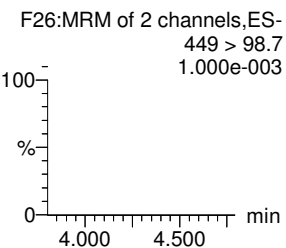
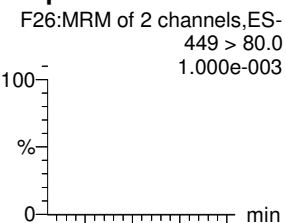
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Last Altered: Wednesday, May 30, 2018 13:44:19 Pacific Daylight Time

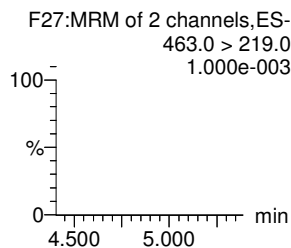
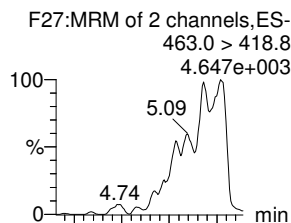
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Name: 180529M1_24, Date: 29-May-2018, Time: 21:45:49, ID: 1801014-01 EB1805161240GSC 0.24251, Description: EB1805161240GSC

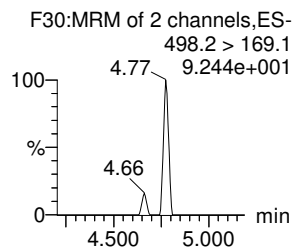
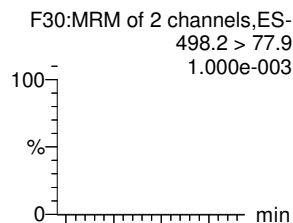
PFHpS



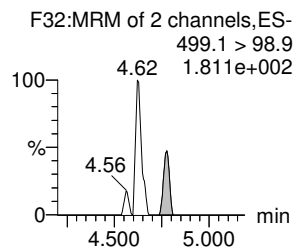
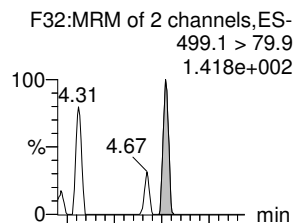
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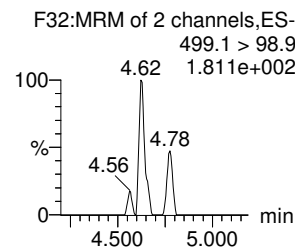
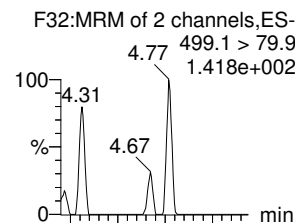
PFOSA



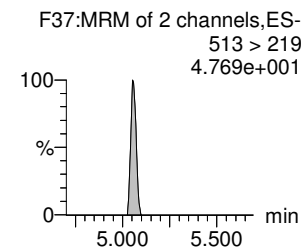
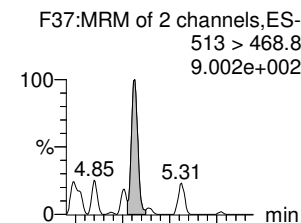
L-PFOS



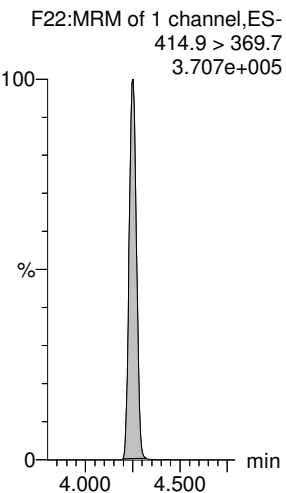
Br-PFOS



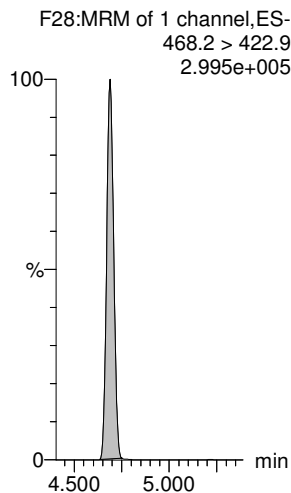
PFDA



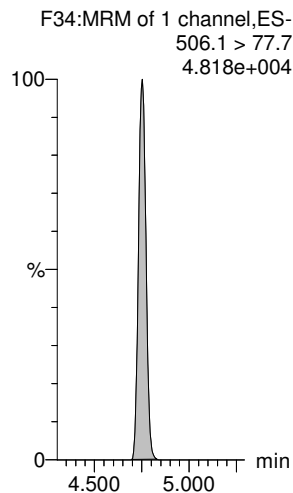
13C2-PFOA



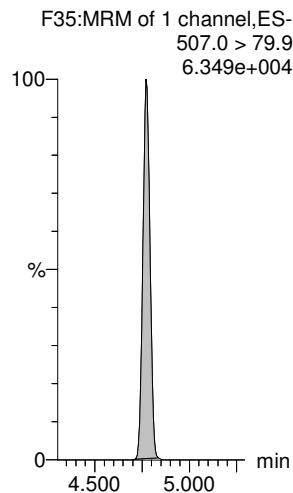
13C5-PFNA



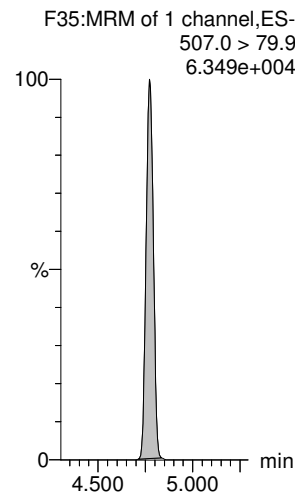
13C8-PFOA



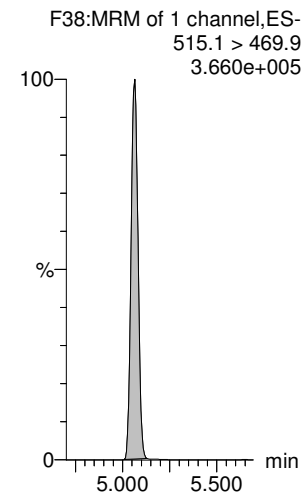
13C8-PFOS



13C8-PFOS



13C2-PFDA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-24.qld

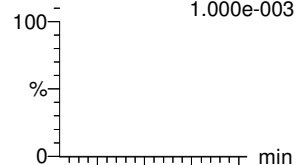
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Name: 180529M1_24, Date: 29-May-2018, Time: 21:45:49, ID: 1801014-01 EB1805161240GSC 0.24251, Description: EB1805161240GSC

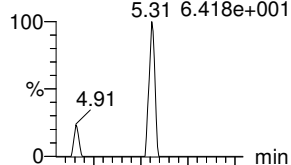
8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
1.000e-003



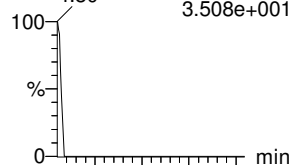
PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
6.418e+001



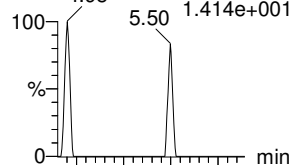
L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
3.508e+001



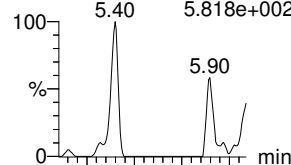
L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
1.414e+001



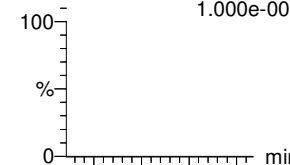
PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
5.818e+002

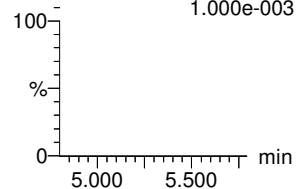


PFDS

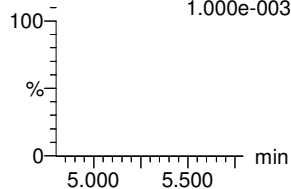
F53:MRM of 2 channels,ES-
598.8 > 80
1.000e-003



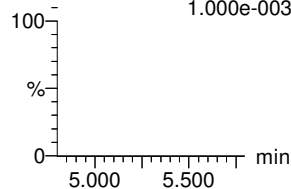
F42:MRM of 2 channels,ES-
527 > 80
1.000e-003



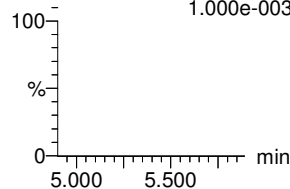
F45:MRM of 2 channels,ES-
549.1 > 99.1
1.000e-003



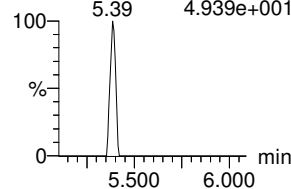
F48:MRM of 2 channels,ES-
570.1 > 483.0
1.000e-003



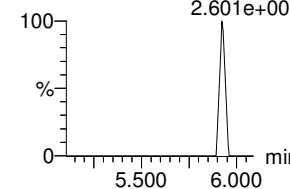
F51:MRM of 2 channels,ES-
584.2 > 483.0
1.000e-003



F46:MRM of 2 channels,ES-
563.0 > 269
4.939e+001

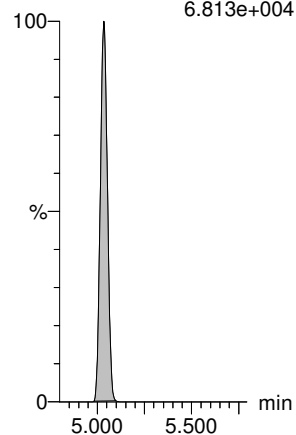


F53:MRM of 2 channels,ES-
598.8 > 98.7
2.601e+001



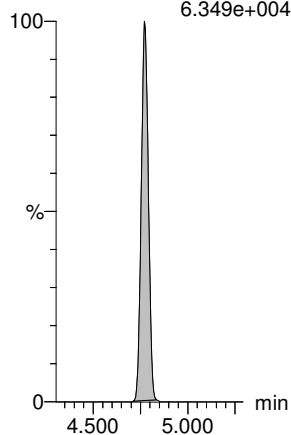
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
6.813e+004



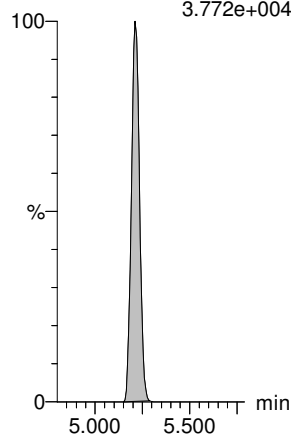
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
6.349e+004



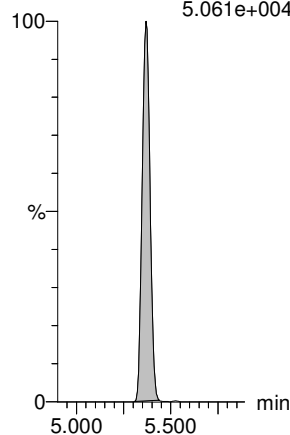
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
3.772e+004



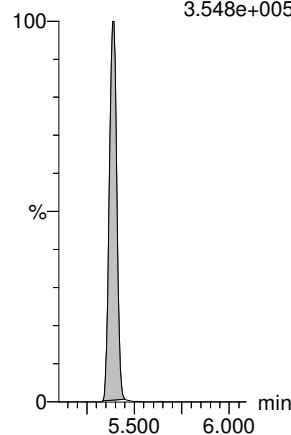
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
5.061e+004



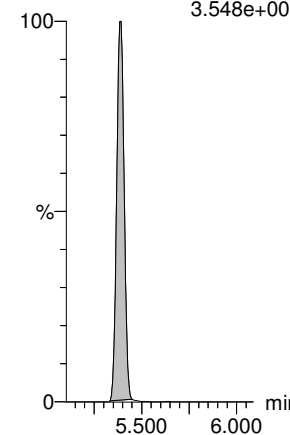
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
3.548e+005



13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
3.548e+005



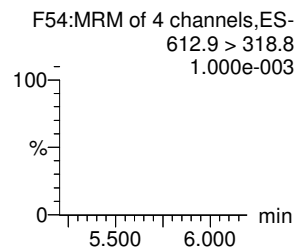
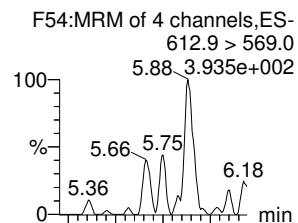
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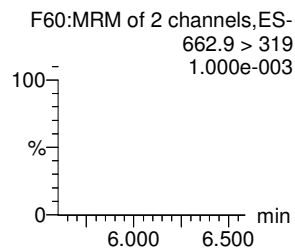
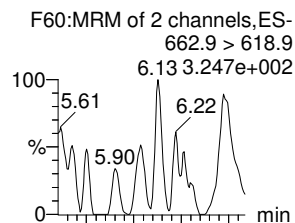
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Name: 180529M1_24, Date: 29-May-2018, Time: 21:45:49, ID: 1801014-01 EB1805161240GSC 0.24251, Description: EB1805161240GSC

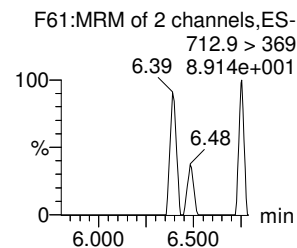
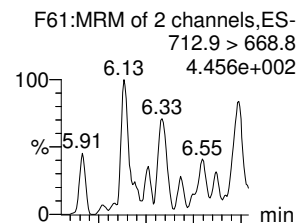
PFDoA



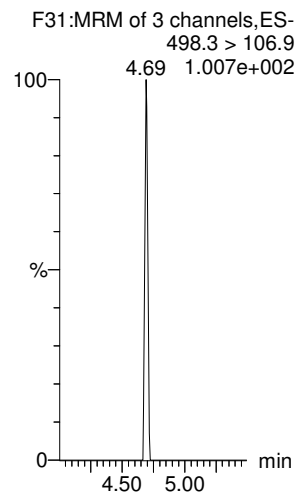
PFTrDA



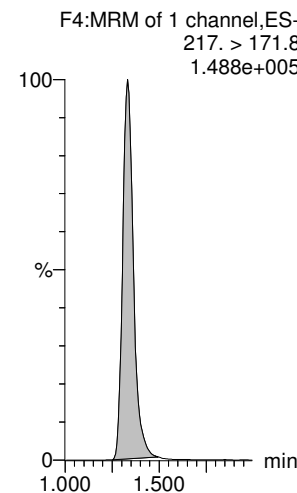
PFTeDA



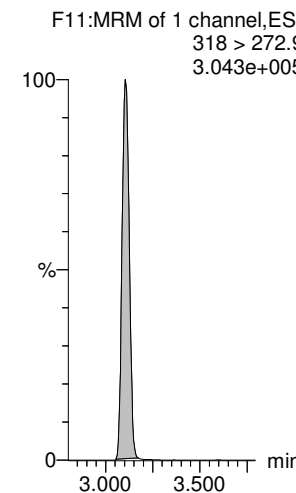
TCDA



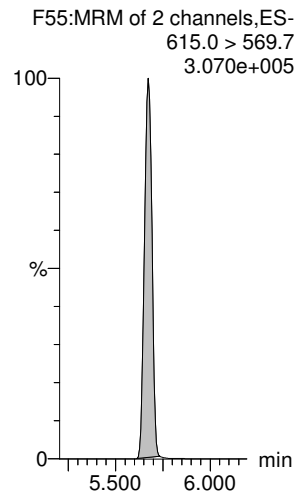
13C4-PFBA



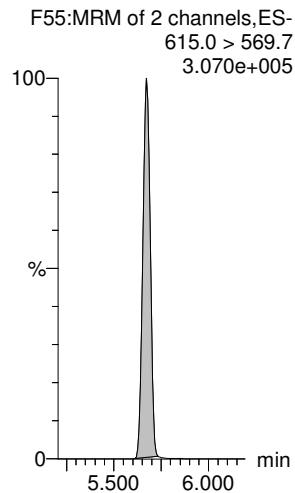
13C5-PFHxA



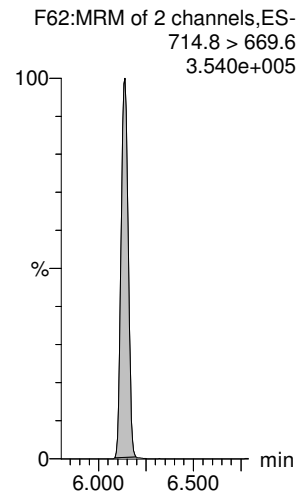
13C2-PFDoA



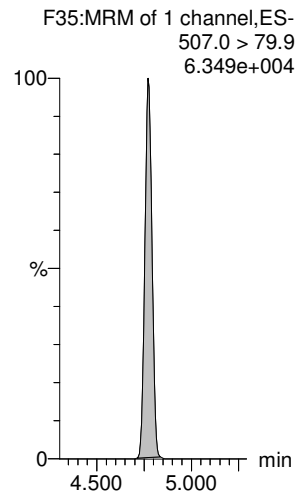
13C2-PFDoA



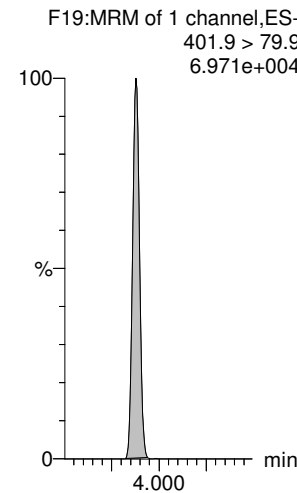
13C2-PFTeDA



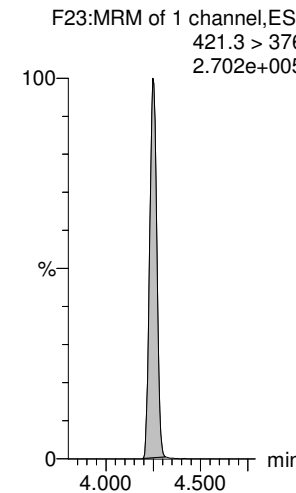
13C8-PFOS



13C3-PFHxS



13C8-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-24.qld

Last Altered: Wednesday, May 30, 2018 13:44:19 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:36:22 Pacific Daylight Time

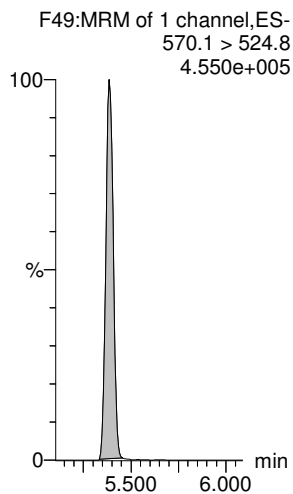
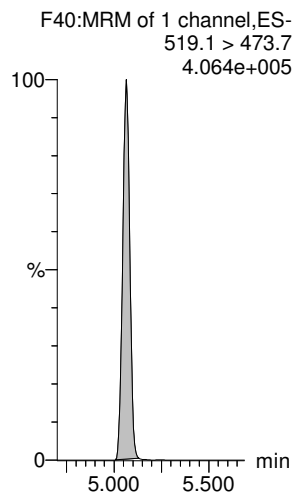
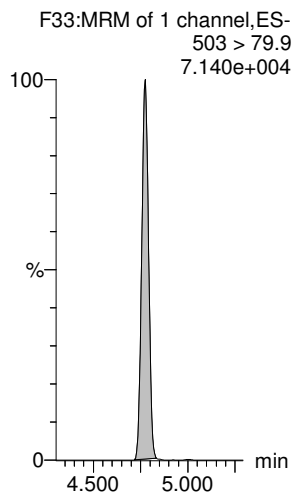
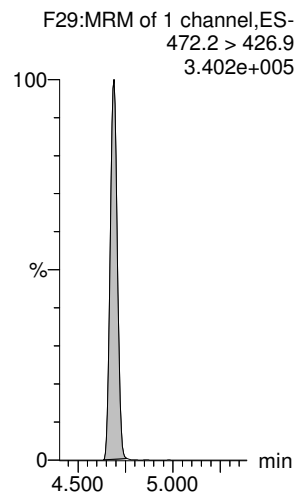
Name: 180529M1_24, Date: 29-May-2018, Time: 21:45:49, ID: 1801014-01 EB1805161240GSC 0.24251, Description: EB1805161240GSC

13C9-PFNA

13C4-PFOS

13C6-PFDA

13C7-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-25.qld

Last Altered: Wednesday, May 30, 2018 14:09:18 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:37:41 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_25, Date: 29-May-2018, Time: 21:56:19, ID: 1801014-02 EB1805161635GSC 0.25, Description: EB1805161635GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8	1.52e2	7.33e3	0.2500		1.34	1.34	0.260	0.953			
2	2 PFPeA	263.1 > 218.9		9.47e3	0.2500		2.32						
3	3 PFBS	299.0 > 79.7	2.84e2	1.18e3	0.2500		2.62	2.61	2.99	5.915		2.550	NO
4	4 4:2 FTS	327.2>307.2		2.40e3	0.2500		3.02						
5	5 PFHxA	313.2 > 268.9		3.16e3	0.2500		3.10						
6	6 PFPeS	349.1>80.1		1.18e3	0.2500		3.31						
7	7 PFHpA	363.0 > 318.9		8.40e3	0.2500		3.72						
8	8 L-PFHxS	398.9 > 79.6		1.10e3	0.2500		3.88						
9	9 Br-PFHxS	398.9 > 79.6		1.10e3	0.2500		3.75						
10	10 6:2 FTS	427.1 > 407	2.58e1	2.19e3	0.2500		4.19	4.19	0.147	0.413		37.076	YES
11	11 L-PFOA	413 > 368.7	5.09e2	1.34e4	0.2500		4.25	4.25	0.476	1.800		3.720	NO
12	12 Br-PFOA	413 > 368.7	4.29e2	1.34e4	0.2500		4.18	4.12	0.401	1.478		2.244	NO
13	13 PFHpS	449 > 80.0		1.34e4	0.2500		4.36						
14	14 PFNA	463.0 > 418.8		1.16e4	0.2500		4.68						
15	15 PFOSA	498.2 > 77.9		1.82e3	0.2500		4.75						
16	16 L-PFOS	499.1 > 79.9	8.31e0	2.47e3	0.2500		4.77	4.77	0.0421	0.084		0.428	YES
17	17 Br-PFOS	499.1 > 79.9		2.47e3	0.2500		4.67						
18	18 PFDA	513 > 468.8		1.29e4	0.2500		5.06						
19	19 8:2 FTS	527 > 506.9		2.41e3	0.2500		5.03						
20	20 PFNS	549.1>80.1		2.47e3	0.2500		5.13						
21	21 L-MeFOSAA	570.1 > 419		1.48e3	0.2500		5.22						
22	23 L-EtFOSAA	584.2 > 419		2.22e3	0.2500		5.37						
23	25 PFUdA	563.0 > 518.9		1.14e4	0.2500		5.39						
24	26 PFDS	598.8 > 80		1.14e4	0.2500		5.44						
25	27 PFDoA	612.9 > 569.0		1.05e4	0.2500		5.67						
26	29 PFTTrDA	662.9 > 618.9		1.05e4	0.2500		5.92						
27	30 PFTeDA	712.9 > 668.8		1.06e4	0.2500		6.14						

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-25.qld

Last Altered: Wednesday, May 30, 2018 14:09:18 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:37:56 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_25, Date: 29-May-2018, Time: 21:56:19, ID: 1801014-02 EB1805161635GSC 0.25, Description: EB1805161635GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	36 13C3-PFBA	216.1 > 171.8	7.33e3	8.71e3	0.2500	0.894	1.33	1.34	10.5	47.064	94.1		
2	37 13C3-PFPeA	266. > 221.8	9.47e3	1.16e4	0.2500	0.886	2.32	2.32	10.2	46.140	92.3		
3	38 13C3-PFBS	302. > 98.8	1.18e3	1.16e4	0.2500	0.109	2.61	2.61	1.28	47.023	94.0		
4	39 13C2-4:2 FTS	329.2>308.9	2.40e3	1.16e4	0.2500	0.231	3.02	3.02	2.59	44.915	89.8		
5	40 13C2-PFHxA	315 > 269.8	3.16e3	1.16e4	0.2500	0.731	3.10	3.10	3.41	18.670	93.4		
6	41 13C4-PFHpA	367.2 > 321.8	8.40e3	1.16e4	0.2500	0.761	3.72	3.72	9.08	47.678	95.4		
7	42 18O2-PFHxS	403.0 > 102.6	1.10e3	2.54e3	0.2500	0.436	3.87	3.88	5.42	49.724	99.4		
8	43 13C2-6:2 FTS	429.1 > 408.9	2.19e3	1.07e4	0.2500	0.267	4.19	4.19	2.57	38.458	76.9		
9	44 13C2-PFOA	414.9 > 369.7	1.34e4	1.07e4	0.2500	1.601	4.25	4.25	15.6	39.100	78.2		
10	45 13C5-PFNA	468.2 > 422.9	1.16e4	1.35e4	0.2500	0.953	4.69	4.69	10.8	45.280	90.6		
11	46 13C8-PFOSA	506.1 > 77.7	1.82e3	2.06e4	0.2500	0.178	4.75	4.75	1.11	24.896	49.8		
12	47 13C8-PFOS	507.0 > 79.9	2.47e3	2.63e3	0.2500	1.064	4.77	4.78	11.7	44.053	88.1		
13	48 13C2-PFDA	515.1 > 469.9	1.29e4	1.61e4	0.2500	1.032	5.06	5.06	10.0	38.910	77.8		
14	49 13C2-8:2 FTS	529.1 > 508.7	2.41e3	1.16e4	0.2500	0.215	5.03	5.03	2.60	48.416	96.8		
15	50 d3-N-MeFOSAA	573.3 > 419	1.48e3	2.06e4	0.2500	0.134	5.21	5.21	0.901	26.911	53.8		
16	51 d5-N-EtFOSAA	589.3 > 419	2.22e3	2.06e4	0.2500	0.177	5.37	5.37	1.35	30.426	60.9		
17	52 13C2-PFUdA	565 > 519.8	1.14e4	2.06e4	0.2500	0.948	5.39	5.39	6.90	29.134	58.3		
18	53 13C2-PFDoA	615.0 > 569.7	1.05e4	1.61e4	0.2500	1.114	5.67	5.67	8.18	29.370	58.7		
19	55 13C2-PFTeDA	714.8 > 669.6	1.06e4	2.06e4	0.2500	0.860	6.14	6.14	6.46	30.064	60.1		
20	60 13C4-PFBA	217. > 171.8	8.71e3	8.71e3	0.2500	1.000	1.33	1.34	12.5	50.000	100.0		
21	61 13C5-PFHxA	318 > 272.9	1.16e4	1.16e4	0.2500	1.000	3.10	3.10	12.5	50.000	100.0		
22	62 13C3-PFHxS	401.9 > 79.9	2.54e3	2.54e3	0.2500	1.000	3.87	3.88	12.5	50.000	100.0		
23	63 13C8-PFOA	421.3 > 376	1.07e4	1.07e4	0.2500	1.000	4.25	4.25	12.5	50.000	100.0		
24	64 13C9-PFNA	472.2 > 426.9	1.35e4	1.35e4	0.2500	1.000	4.69	4.69	12.5	50.000	100.0		
25	65 13C4-PFOS	503 > 79.9	2.63e3	2.63e3	0.2500	1.000	4.77	4.78	12.5	50.000	100.0		
26	66 13C6-PFDA	519.1 > 473.7	1.61e4	1.61e4	0.2500	1.000	5.06	5.06	12.5	50.000	100.0		
27	67 13C7-PFUdA	570.1 > 524.8	2.06e4	2.06e4	0.2500	1.000	5.39	5.39	12.5	50.000	100.0		
28	68 Total PFHxS	398.9 > 79.6	0.00e0	1.10e3	0.2500		4.05		0.000				
29	69 Total PFOA	413 > 368.7	9.38e2	1.34e4	0.2500		4.30		0.877	3.278			
30	70 Total PFOS	499.1 > 79.9	8.31e0	2.47e3	0.2500		4.90		0.0421	0.084			
31	71 Total N-MeFOSAA	570.1 > 419	0.00e0	1.48e3	0.2500		5.55		0.000				
32	72 Total N-EtFOSAA	584.2 > 419	0.00e0	2.22e3	0.2500		5.70		0.000				AR 5/31/2018

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Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-25.qld

Last Altered: Wednesday, May 30, 2018 14:09:18 Pacific Daylight Time

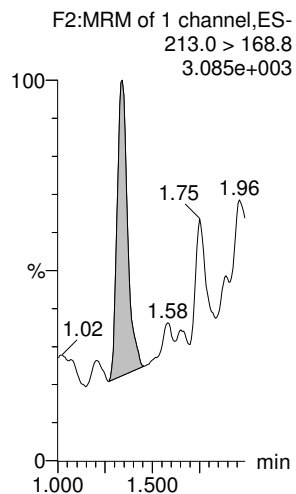
Printed: Thursday, May 31, 2018 11:37:56 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

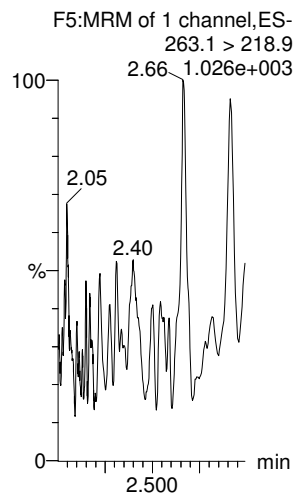
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Name: 180529M1_25, Date: 29-May-2018, Time: 21:56:19, ID: 1801014-02 EB1805161635GSC 0.25, Description: EB1805161635GSC

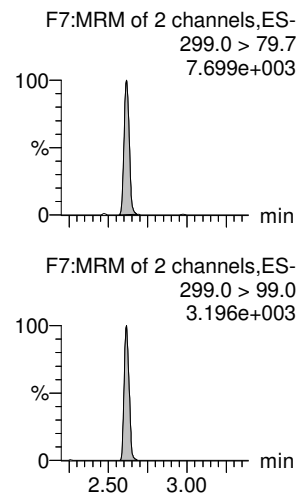
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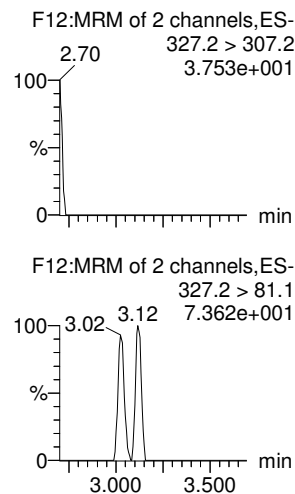
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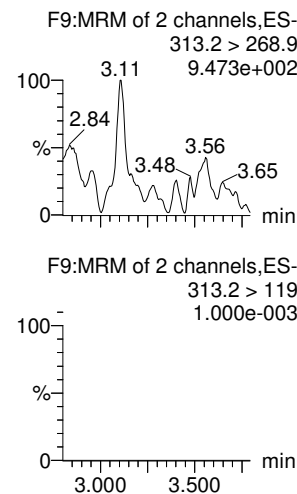
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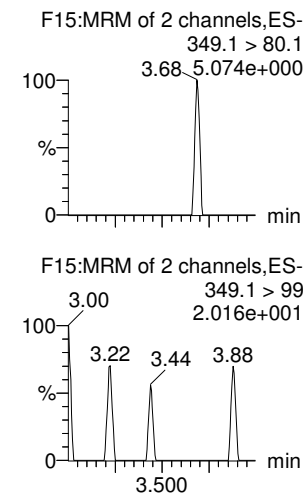
4:2 FTS



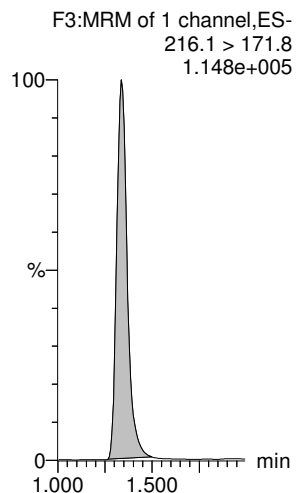
PFHxA



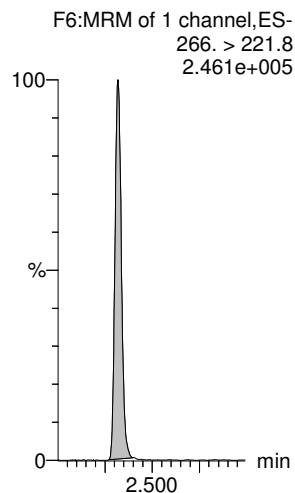
PFPeS



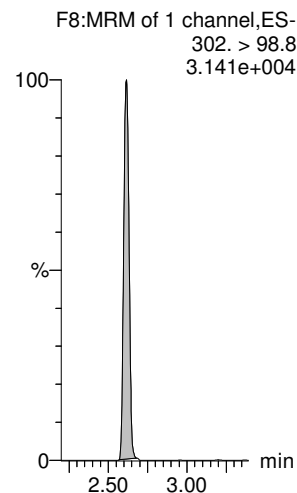
13C3-PFBA



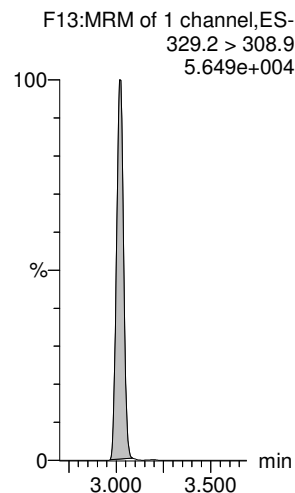
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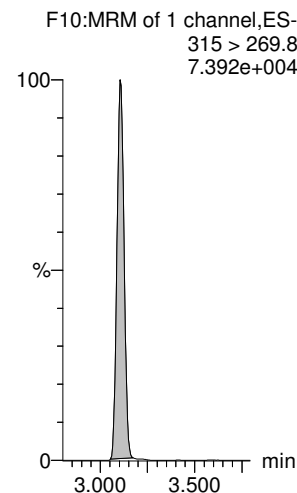
13C3-PFBS



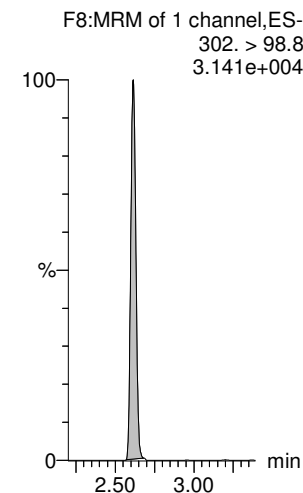
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-25.qld

Last Altered: Wednesday, May 30, 2018 14:09:18 Pacific Daylight Time

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Name: 180529M1_25, Date: 29-May-2018, Time: 21:56:19, ID: 1801014-02 EB1805161635GSC 0.25, Description: EB1805161635GSC

L-PFHxS

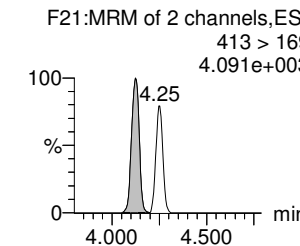
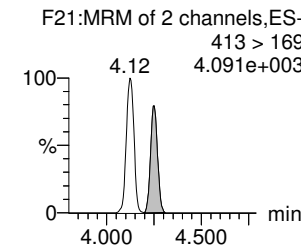
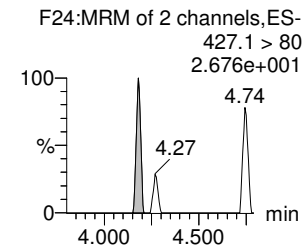
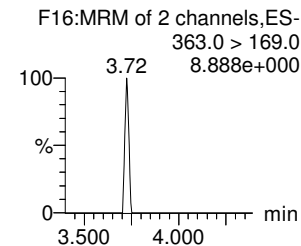
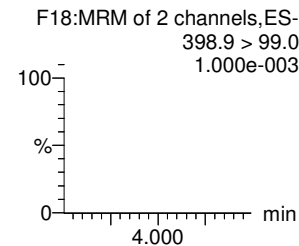
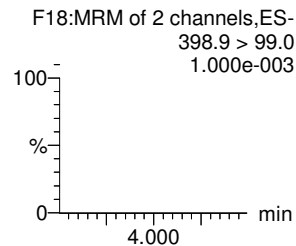
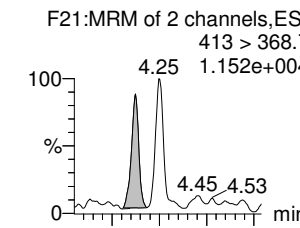
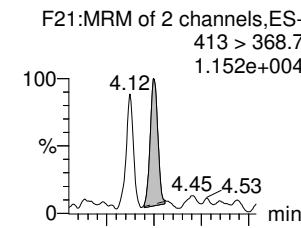
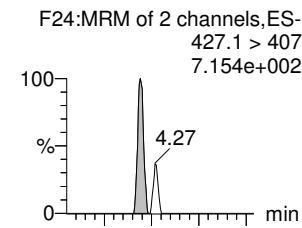
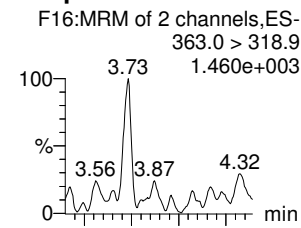
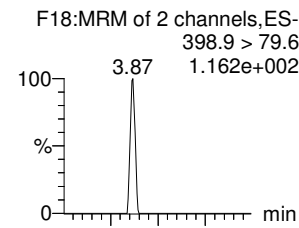
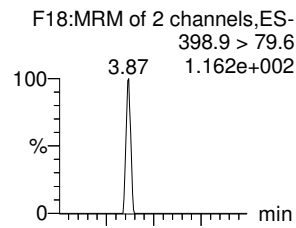
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

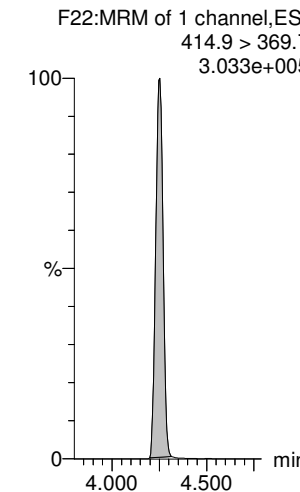
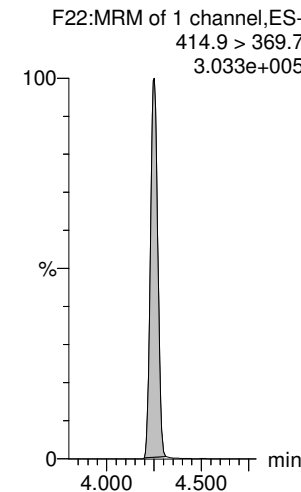
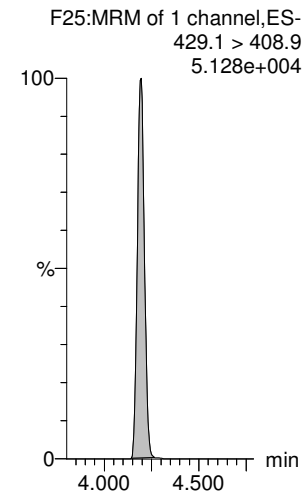
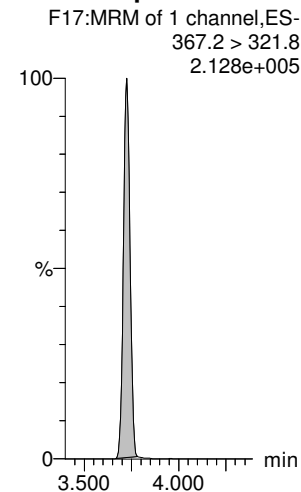
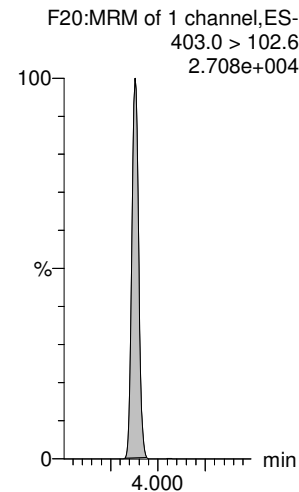
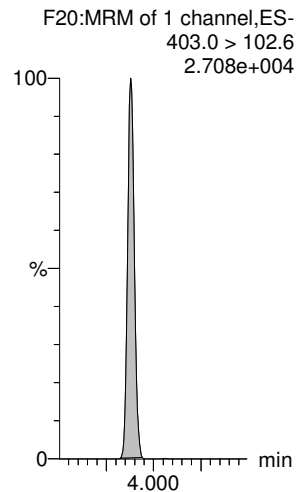
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



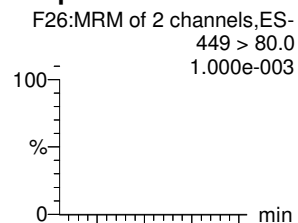
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Last Altered: Wednesday, May 30, 2018 14:09:18 Pacific Daylight Time

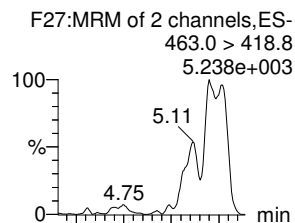
Printed: Thursday, May 31, 2018 11:37:56 Pacific Daylight Time

Name: 180529M1_25, Date: 29-May-2018, Time: 21:56:19, ID: 1801014-02 EB1805161635GSC 0.25, Description: EB1805161635GSC

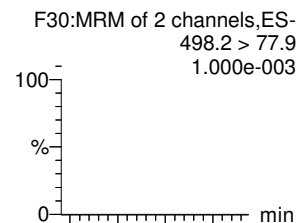
PFHpS



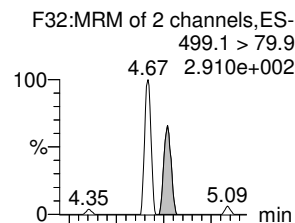
PFNA



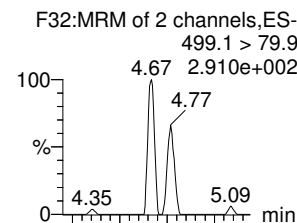
PFOSA



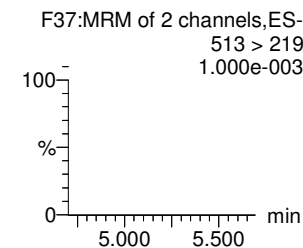
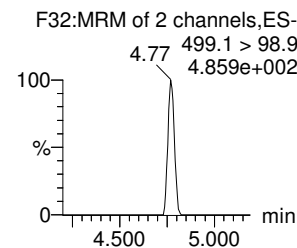
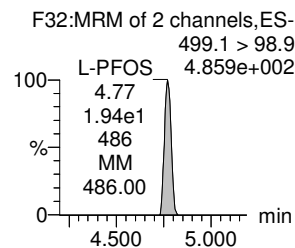
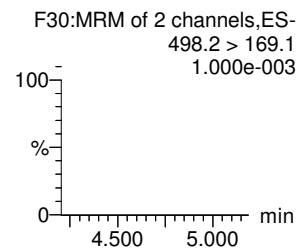
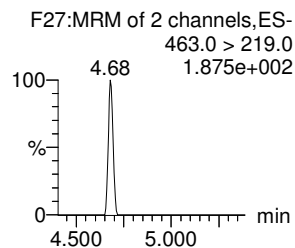
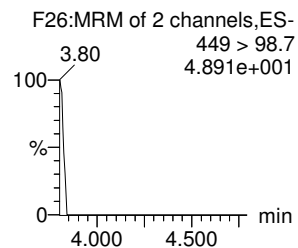
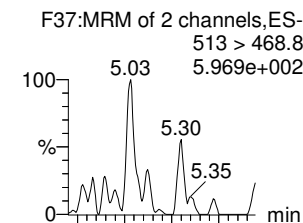
L-PFOS



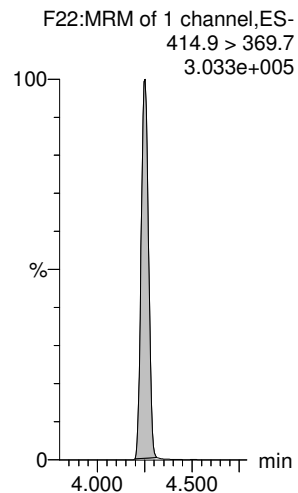
Br-PFOS



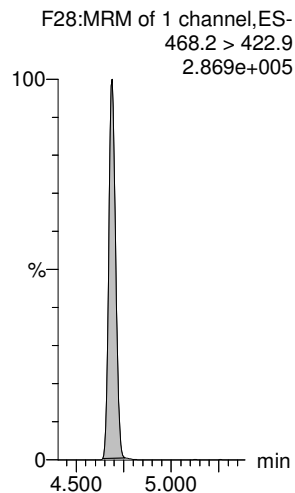
PFDA



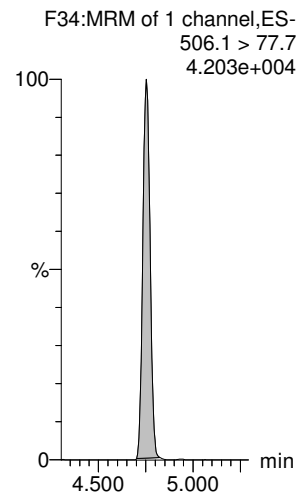
13C2-PFOA



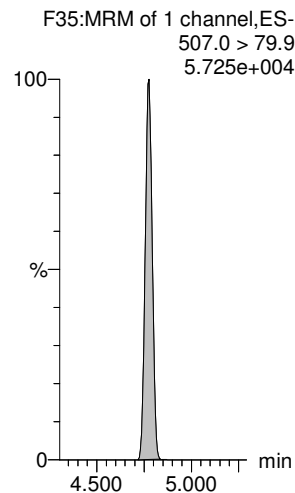
13C5-PFNA



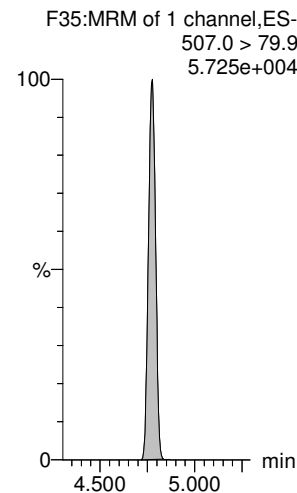
13C8-PFOA



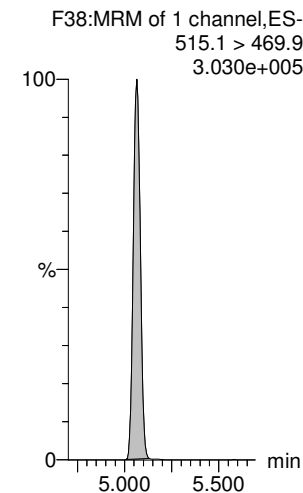
13C8-PFOS



13C8-PFOS



13C2-PFDA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-25.qld

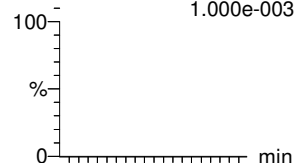
Last Altered: Wednesday, May 30, 2018 14:09:18 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:37:56 Pacific Daylight Time

Name: 180529M1_25, Date: 29-May-2018, Time: 21:56:19, ID: 1801014-02 EB1805161635GSC 0.25, Description: EB1805161635GSC

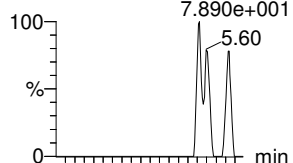
8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
1.000e-003



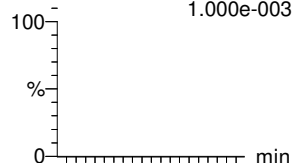
PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
7.890e+001



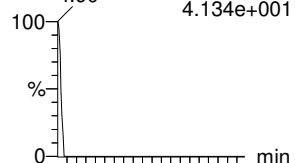
L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
1.000e-003



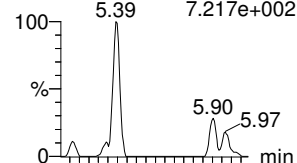
L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
4.134e+001



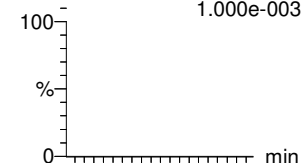
PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
7.217e+002

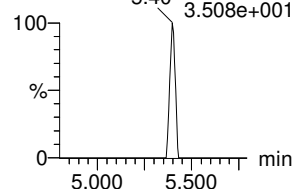


PFDS

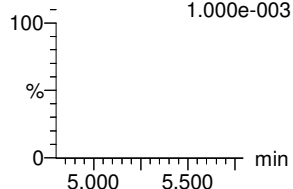
F53:MRM of 2 channels,ES-
598.8 > 80
1.000e-003



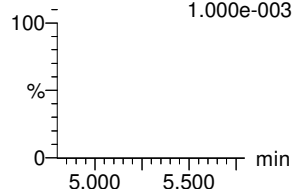
F42:MRM of 2 channels,ES-
527 > 80
3.508e+001



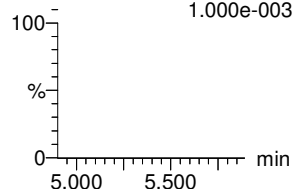
F45:MRM of 2 channels,ES-
549.1 > 99.1
1.000e-003



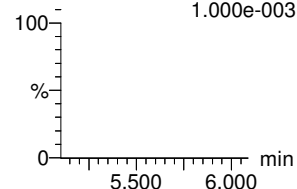
F48:MRM of 2 channels,ES-
570.1 > 483.0
1.000e-003



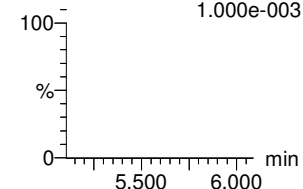
F51:MRM of 2 channels,ES-
584.2 > 483.0
1.000e-003



F46:MRM of 2 channels,ES-
563.0 > 269
1.000e-003

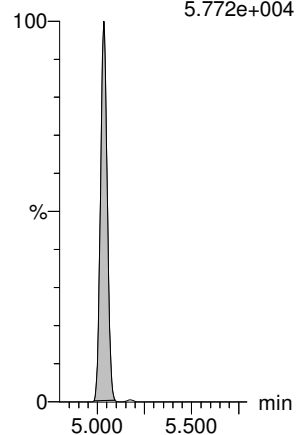


F53:MRM of 2 channels,ES-
598.8 > 98.7
1.000e-003



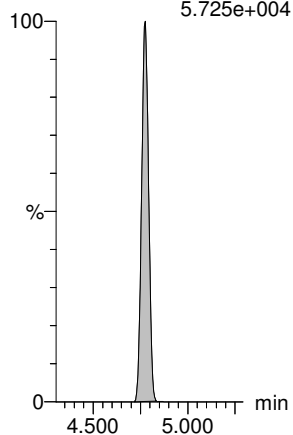
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
5.772e+004



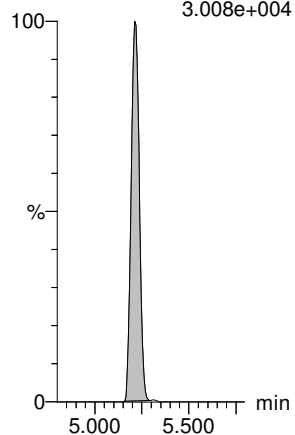
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
5.725e+004



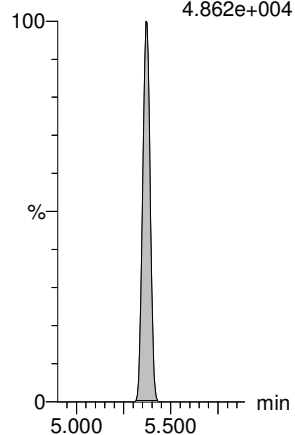
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
3.008e+004



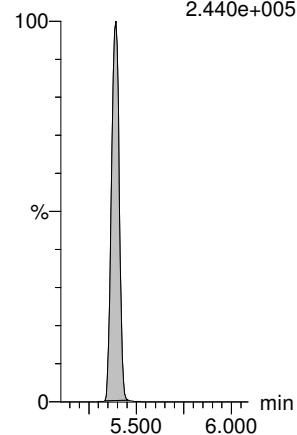
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
4.862e+004



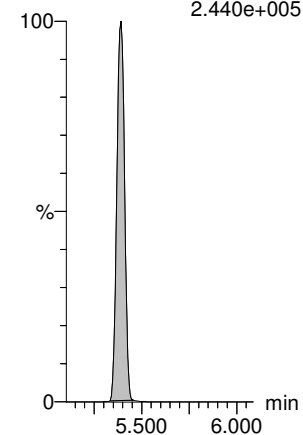
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
2.440e+005



13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
2.440e+005



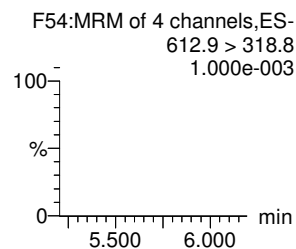
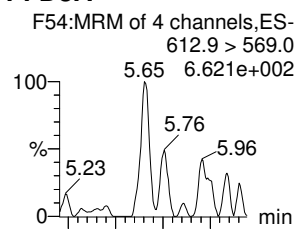
Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-25.qld

Last Altered: Wednesday, May 30, 2018 14:09:18 Pacific Daylight Time

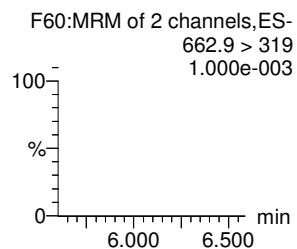
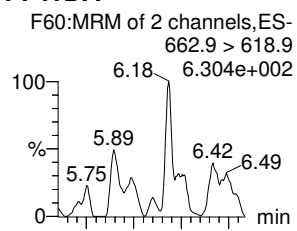
Printed: Thursday, May 31, 2018 11:37:56 Pacific Daylight Time

Name: 180529M1_25, Date: 29-May-2018, Time: 21:56:19, ID: 1801014-02 EB1805161635GSC 0.25, Description: EB1805161635GSC

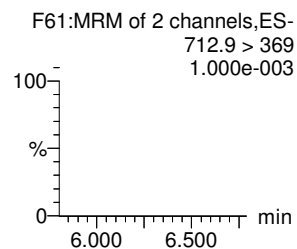
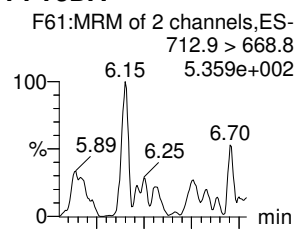
PFDoA



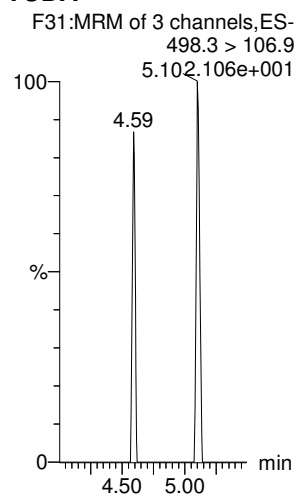
PFTrDA



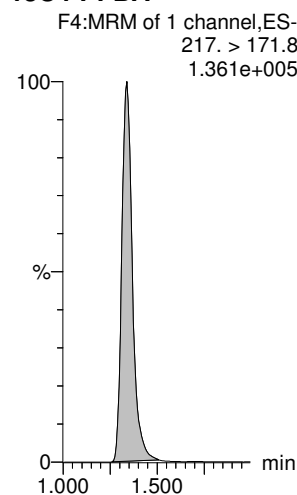
PFTeDA



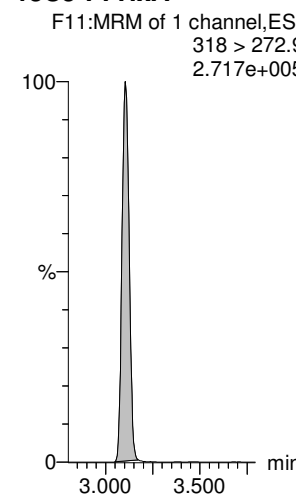
TCDA



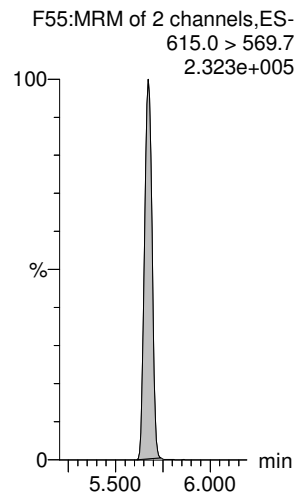
13C4-PFBA



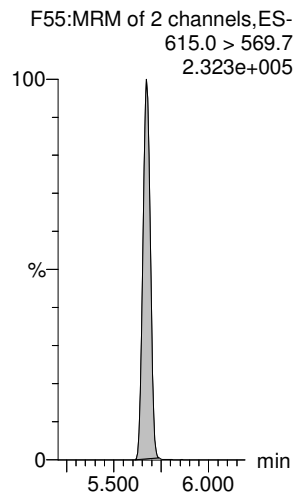
13C5-PFHxA



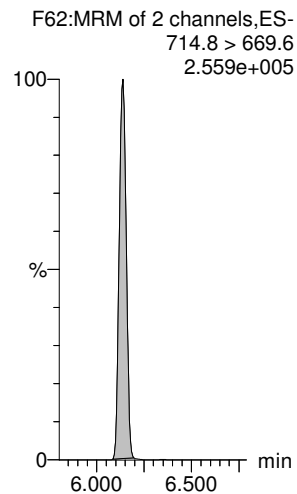
13C2-PFDoA



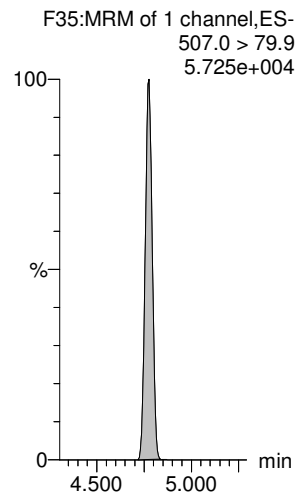
13C2-PFDoA



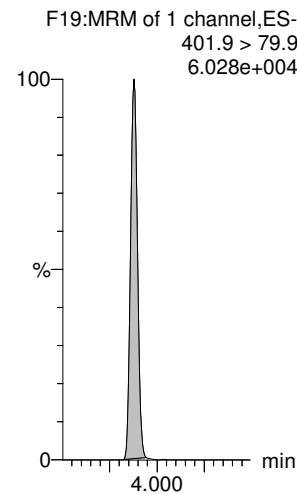
13C2-PFTeDA



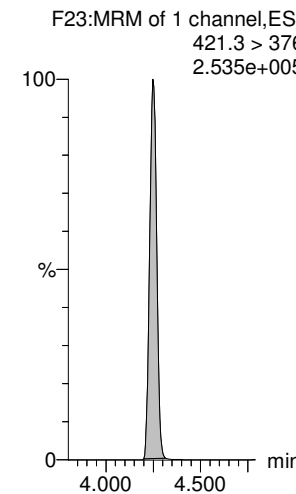
13C8-PFOS



13C3-PFHxS



13C8-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-25.qld

Last Altered: Wednesday, May 30, 2018 14:09:18 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:37:56 Pacific Daylight Time

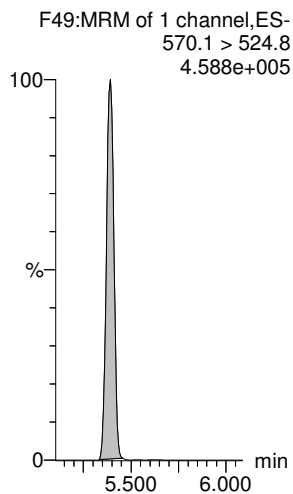
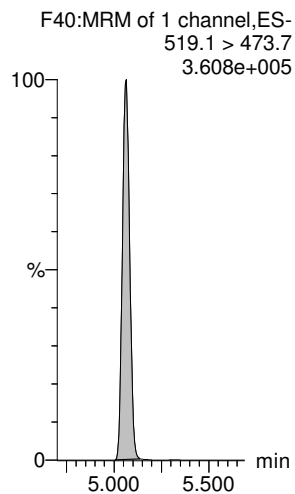
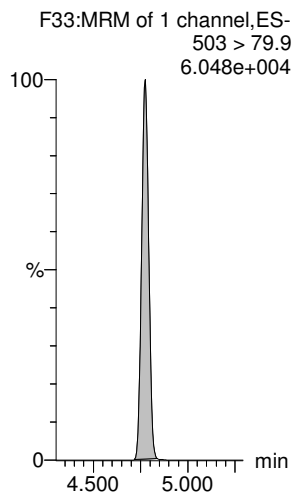
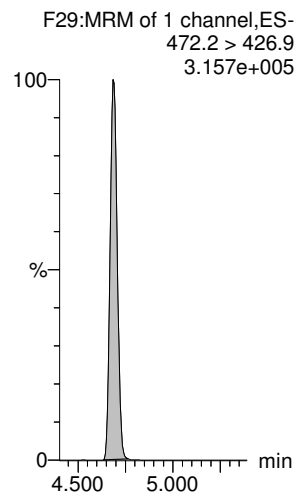
Name: 180529M1_25, Date: 29-May-2018, Time: 21:56:19, ID: 1801014-02 EB1805161635GSC 0.25, Description: EB1805161635GSC

13C9-PFNA

13C4-PFOS

13C6-PFDA

13C7-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-26.qld

Last Altered: Wednesday, May 30, 2018 14:14:08 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:39:44 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_26, Date: 29-May-2018, Time: 22:06:44, ID: 1801014-03 EB1805161740GSC 0.24898, Description: EB1805161740GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8		7.75e3	0.2490		1.33						
2	2 PFPeA	263.1 > 218.9		1.02e4	0.2490		2.31						
3	3 PFBS	299.0 > 79.7	7.99e1	1.38e3	0.2490		2.61	2.61	0.722	1.576		2.484	NO
4	4 4:2 FTS	327.2>307.2	2.87e0	2.33e3	0.2490		3.02	3.02	0.0154	0.159		0.685	YES
5	5 PFHxA	313.2 > 268.9		3.45e3	0.2490		3.10						
6	6 PFPeS	349.1>80.1		1.38e3	0.2490		3.31						
7	7 PFHpA	363.0 > 318.9		9.38e3	0.2490		3.72						
8	8 L-PFHxS	398.9 > 79.6		1.17e3	0.2490		3.88						
9	9 Br-PFHxS	398.9 > 79.6		1.17e3	0.2490		3.75						
10	10 6:2 FTS	427.1 > 407	8.09e2	2.60e3	0.2490		4.19	4.19	3.89	10.917		3.669	NO
11	11 L-PFOA	413 > 368.7		1.45e4	0.2490		4.25						
12	12 Br-PFOA	413 > 368.7		1.45e4	0.2490		4.18						
13	13 PFHpS	449 > 80.0		1.45e4	0.2490		4.36						
14	14 PFNA	463.0 > 418.8		1.19e4	0.2490		4.68						
15	15 PFOSA	498.2 > 77.9		2.10e3	0.2490		4.75						
16	16 L-PFOS	499.1 > 79.9		2.64e3	0.2490		4.77						
17	17 Br-PFOS	499.1 > 79.9		2.64e3	0.2490		4.67						
18	18 PFDA	513 > 468.8		1.30e4	0.2490		5.06						
19	19 8:2 FTS	527 > 506.9		2.51e3	0.2490		5.03						
20	20 PFNS	549.1>80.1		2.64e3	0.2490		5.13						
21	21 L-MeFOSAA	570.1 > 419		2.03e3	0.2490		5.22						
22	23 L-EtFOSAA	584.2 > 419		2.33e3	0.2490		5.37						
23	25 PFUdA	563.0 > 518.9		1.57e4	0.2490		5.39						
24	26 PFDS	598.8 > 80		1.57e4	0.2490		5.44						
25	27 PFDaA	612.9 > 569.0		1.36e4	0.2490		5.67						
26	29 PFTTrDA	662.9 > 618.9		1.36e4	0.2490		5.92						
27	30 PFTeDA	712.9 > 668.8		1.34e4	0.2490		6.14						

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-26.qld

Last Altered: Wednesday, May 30, 2018 14:14:08 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:40:00 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_26, Date: 29-May-2018, Time: 22:06:44, ID: 1801014-03 EB1805161740GSC 0.24898, Description: EB1805161740GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	36 13C3-PFBA	216.1 > 171.8	7.75e3	8.92e3	0.2490	0.894	1.33	1.33	10.9	48.793	97.2		
2	37 13C3-PFPeA	266. > 221.8	1.02e4	1.18e4	0.2490	0.886	2.32	2.32	10.8	48.829	97.3		
3	38 13C3-PFBS	302. > 98.8	1.38e3	1.18e4	0.2490	0.109	2.61	2.61	1.47	54.185	107.9		
4	39 13C2-4:2 FTS	329.2>308.9	2.33e3	1.18e4	0.2490	0.231	3.02	3.02	2.48	43.095	85.8		
5	40 13C2-PFHxA	315 > 269.8	3.45e3	1.18e4	0.2490	0.731	3.10	3.10	3.66	20.128	100.2		
6	41 13C4-PFHpA	367.2 > 321.8	9.38e3	1.18e4	0.2490	0.761	3.72	3.72	9.95	52.481	104.5		
7	42 18O2-PFHxS	403.0 > 102.6	1.17e3	2.76e3	0.2490	0.436	3.87	3.88	5.31	48.931	97.5		
8	43 13C2-6:2 FTS	429.1 > 408.9	2.60e3	1.02e4	0.2490	0.267	4.19	4.20	3.17	47.737	95.1		
9	44 13C2-PFOA	414.9 > 369.7	1.45e4	1.02e4	0.2490	1.601	4.25	4.25	17.8	44.546	88.7		
10	45 13C5-PFNA	468.2 > 422.9	1.19e4	1.40e4	0.2490	0.953	4.69	4.69	10.6	44.548	88.7		
11	46 13C8-PFOSA	506.1 > 77.7	2.10e3	2.18e4	0.2490	0.178	4.75	4.75	1.20	27.153	54.1		
12	47 13C8-PFOS	507.0 > 79.9	2.64e3	2.77e3	0.2490	1.064	4.77	4.78	11.9	45.010	89.7		
13	48 13C2-PFDA	515.1 > 469.9	1.30e4	1.51e4	0.2490	1.032	5.06	5.06	10.8	41.956	83.6		
14	49 13C2-8:2 FTS	529.1 > 508.7	2.51e3	1.18e4	0.2490	0.215	5.03	5.03	2.66	49.733	99.1		
15	50 d3-N-MeFOSAA	573.3 > 419	2.03e3	2.18e4	0.2490	0.134	5.21	5.21	1.17	35.037	69.8		
16	51 d5-N-EtFOSAA	589.3 > 419	2.33e3	2.18e4	0.2490	0.177	5.37	5.37	1.34	30.385	60.5		
17	52 13C2-PFUdA	565 > 519.8	1.57e4	2.18e4	0.2490	0.948	5.39	5.39	9.00	38.134	76.0		
18	53 13C2-PFDoA	615.0 > 569.7	1.36e4	1.51e4	0.2490	1.114	5.67	5.67	11.3	40.719	81.1		
19	55 13C2-PFTeDA	714.8 > 669.6	1.34e4	2.18e4	0.2490	0.860	6.14	6.14	7.67	35.842	71.4		
20	60 13C4-PFBA	217. > 171.8	8.92e3	8.92e3	0.2490	1.000	1.33	1.33	12.5	50.205	100.0		
21	61 13C5-PFHxA	318 > 272.9	1.18e4	1.18e4	0.2490	1.000	3.10	3.10	12.5	50.205	100.0		
22	62 13C3-PFHxS	401.9 > 79.9	2.76e3	2.76e3	0.2490	1.000	3.87	3.88	12.5	50.205	100.0		
23	63 13C8-PFOA	421.3 > 376	1.02e4	1.02e4	0.2490	1.000	4.25	4.25	12.5	50.205	100.0		
24	64 13C9-PFNA	472.2 > 426.9	1.40e4	1.40e4	0.2490	1.000	4.69	4.69	12.5	50.205	100.0		
25	65 13C4-PFOS	503 > 79.9	2.77e3	2.77e3	0.2490	1.000	4.77	4.78	12.5	50.205	100.0		
26	66 13C6-PFDA	519.1 > 473.7	1.51e4	1.51e4	0.2490	1.000	5.06	5.06	12.5	50.205	100.0		
27	67 13C7-PFUdA	570.1 > 524.8	2.18e4	2.18e4	0.2490	1.000	5.39	5.39	12.5	50.205	100.0		
28	68 Total PFHxS	398.9 > 79.6	0.00e0	1.17e3	0.2490		4.05		0.000				
29	69 Total PFOA	413 > 368.7	0.00e0	1.45e4	0.2490		4.30		0.000				
30	70 Total PFOS	499.1 > 79.9	0.00e0	2.64e3	0.2490		4.90		0.000				
31	71 Total N-MeFOSAA	570.1 > 419	0.00e0	2.03e3	0.2490		5.55		0.000				
32	72 Total N-EtFOSAA	584.2 > 419	0.00e0	2.33e3	0.2490		5.70		0.000				AR 5/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-26.qld

Last Altered: Wednesday, May 30, 2018 14:14:08 Pacific Daylight Time

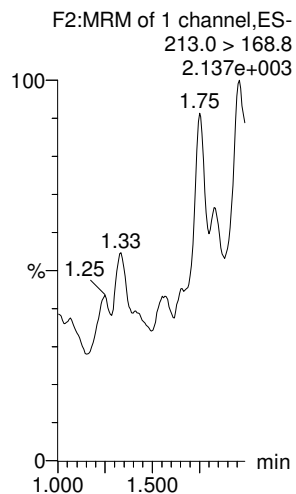
Printed: Thursday, May 31, 2018 11:40:00 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

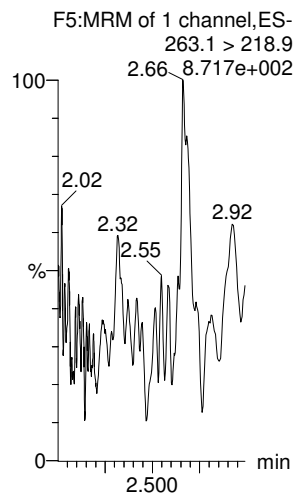
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Name: 180529M1_26, Date: 29-May-2018, Time: 22:06:44, ID: 1801014-03 EB1805161740GSC 0.24898, Description: EB1805161740GSC

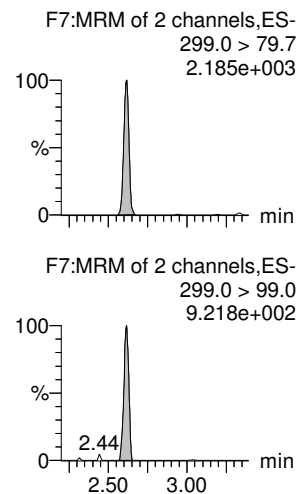
PFBA



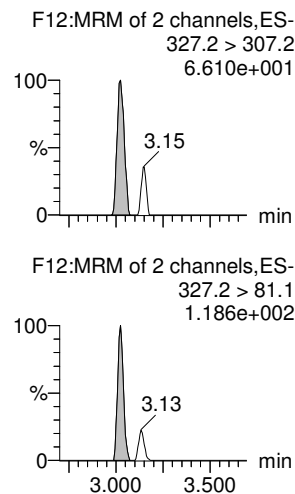
PFPeA



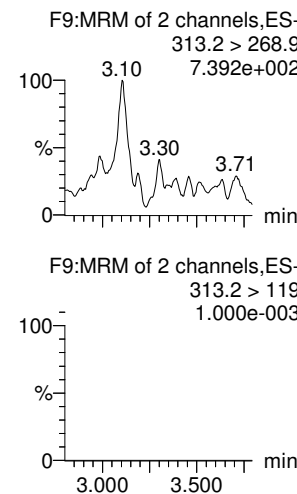
PFBS



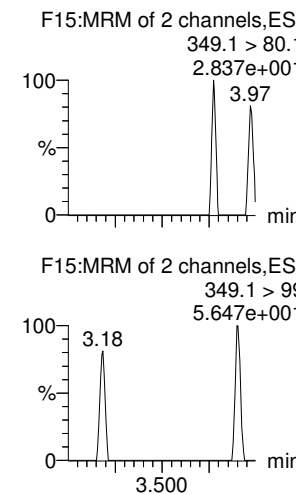
4:2 FTS



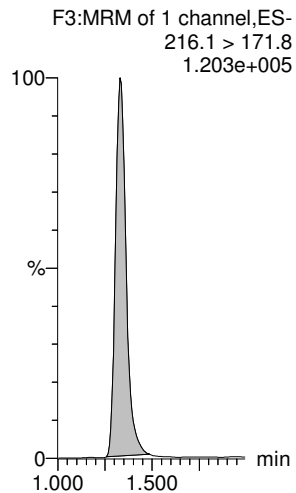
PFHxA



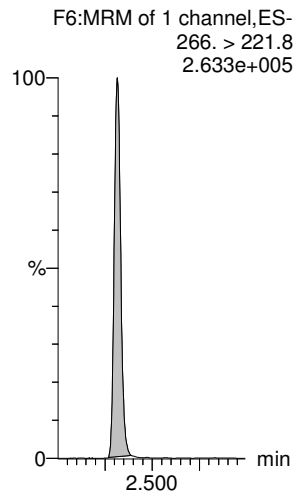
PFPeS



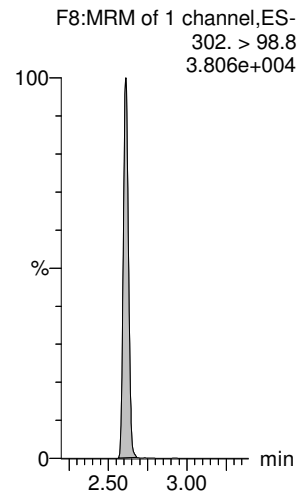
13C3-PFBA



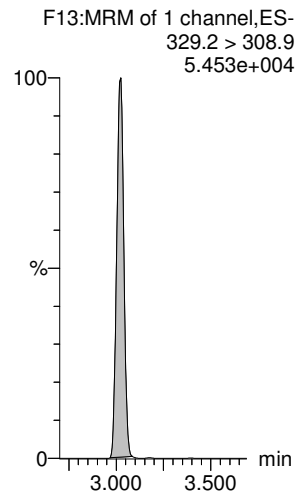
13C3-PFPeA



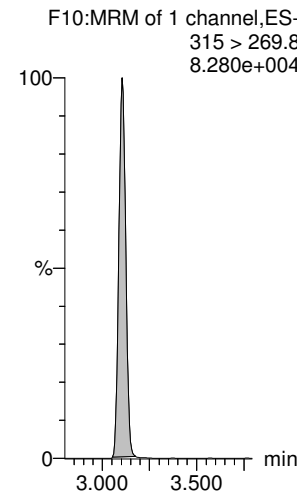
13C3-PFBS



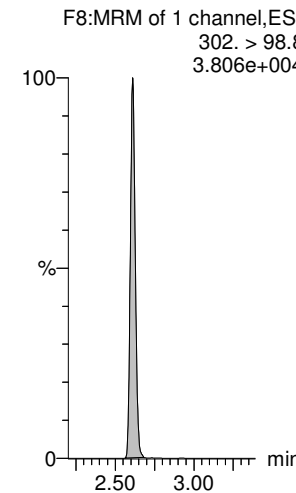
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-26.qld

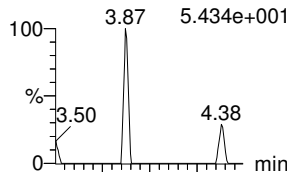
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Name: 180529M1_26, Date: 29-May-2018, Time: 22:06:44, ID: 1801014-03 EB1805161740GSC 0.24898, Description: EB1805161740GSC

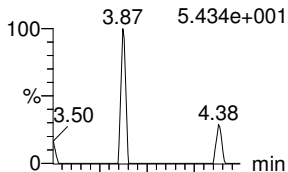
L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
5.434e+001



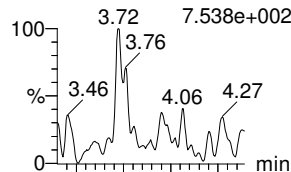
Br-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
5.434e+001



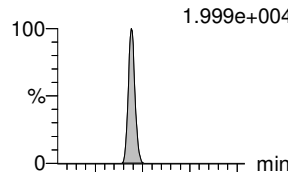
PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
7.538e+002



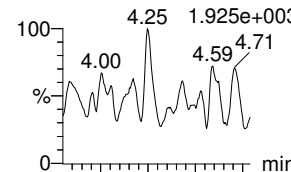
6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
1.999e+004



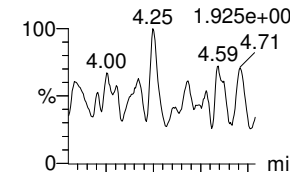
L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
1.925e+003

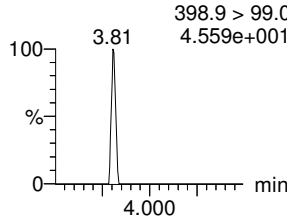


Br-PFOA

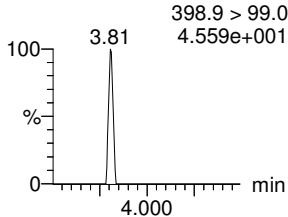
F21:MRM of 2 channels,ES-
413 > 368.7
1.925e+003



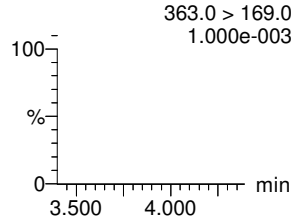
F18:MRM of 2 channels,ES-
398.9 > 99.0
4.559e+001



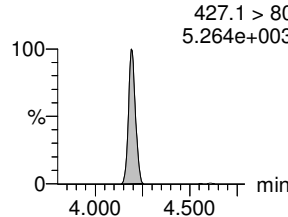
F18:MRM of 2 channels,ES-
398.9 > 99.0
4.559e+001



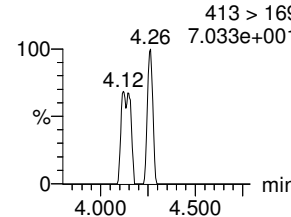
F16:MRM of 2 channels,ES-
363.0 > 169.0
1.000e-003



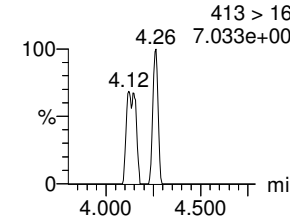
F24:MRM of 2 channels,ES-
427.1 > 80
5.264e+003



F21:MRM of 2 channels,ES-
413 > 169
7.033e+001

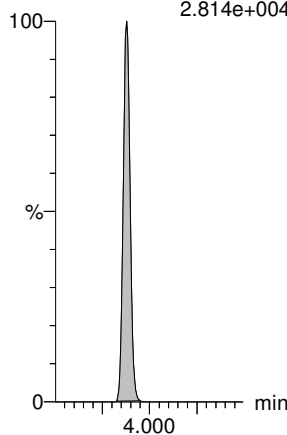


F21:MRM of 2 channels,ES-
413 > 169
7.033e+001



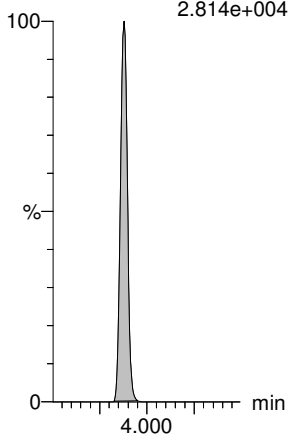
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.814e+004



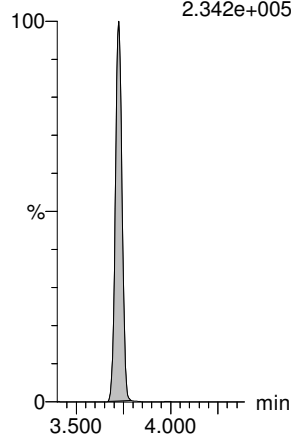
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.814e+004



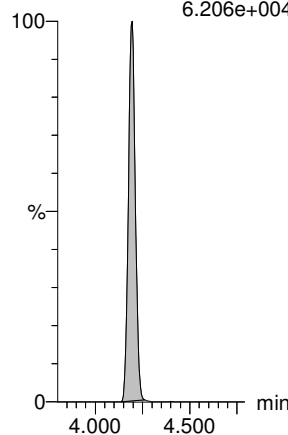
13C4-PFHpa

F17:MRM of 1 channel,ES-
367.2 > 321.8
2.342e+005



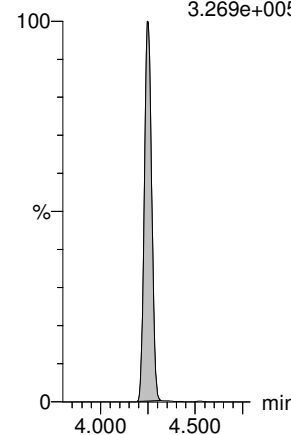
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
6.206e+004



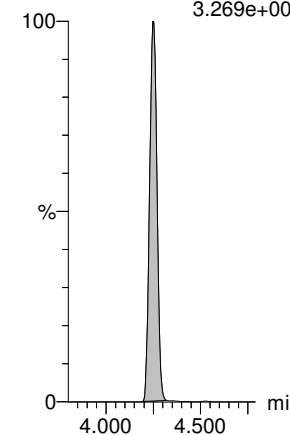
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.269e+005



13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.269e+005



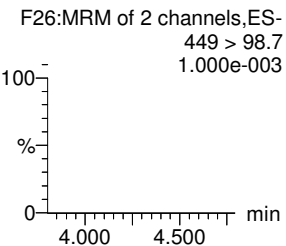
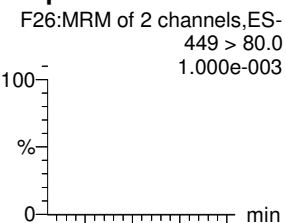
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Last Altered: Wednesday, May 30, 2018 14:14:08 Pacific Daylight Time

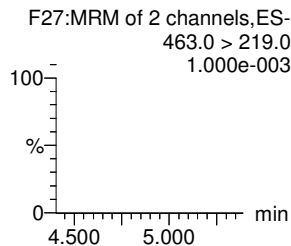
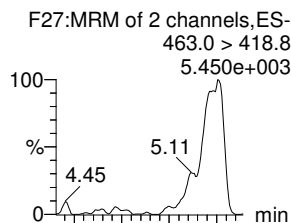
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Name: 180529M1_26, Date: 29-May-2018, Time: 22:06:44, ID: 1801014-03 EB1805161740GSC 0.24898, Description: EB1805161740GSC

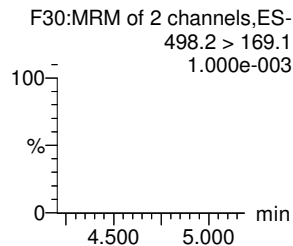
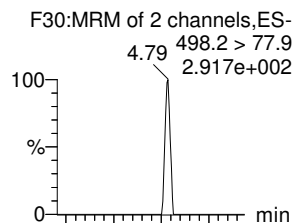
PFHpS



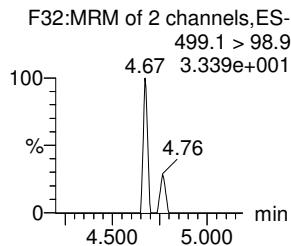
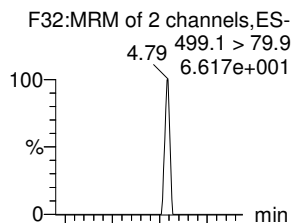
PFNA



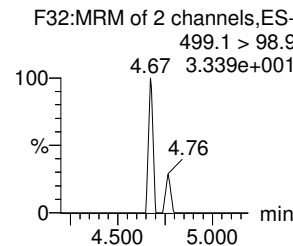
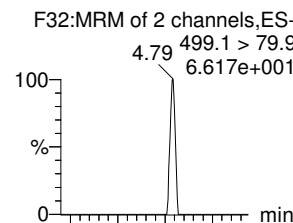
PFOSA



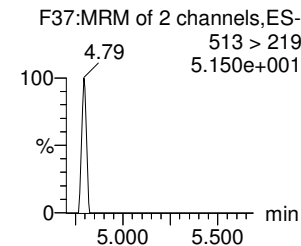
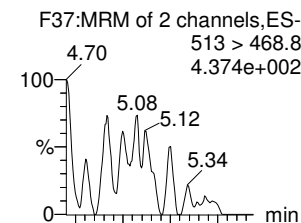
L-PFOS



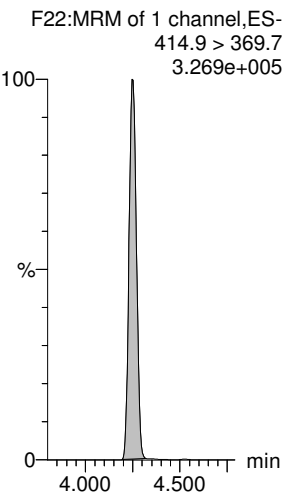
Br-PFOS



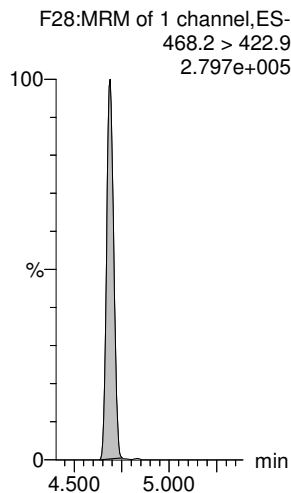
PFDA



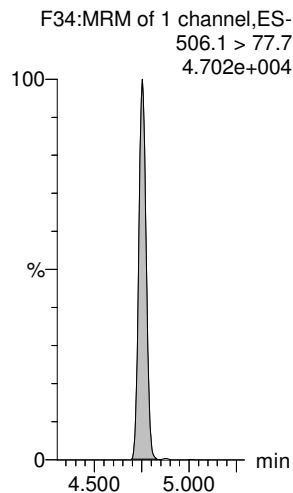
13C2-PFOA



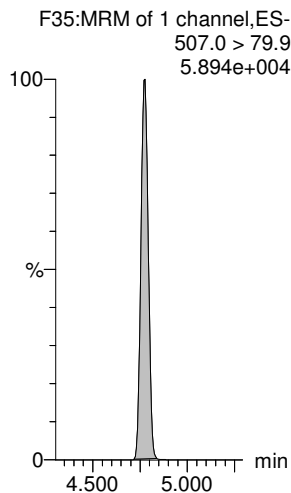
13C5-PFNA



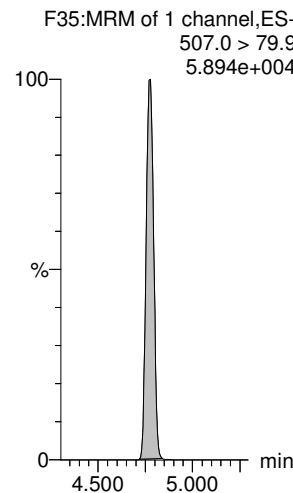
13C8-PFOA



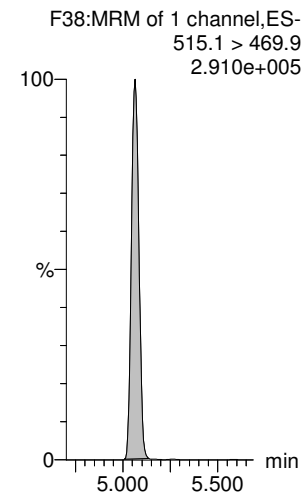
13C8-PFOS



13C8-PFOS



13C2-PFDA



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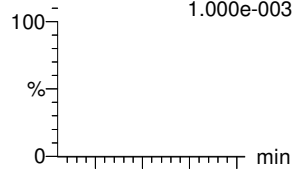
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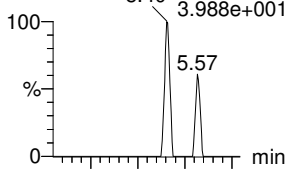
8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
1.000e-003



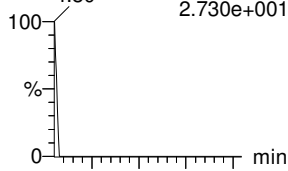
PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
3.988e+001



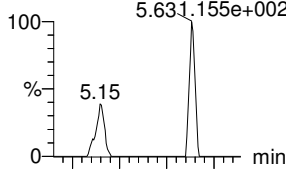
L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
2.730e+001



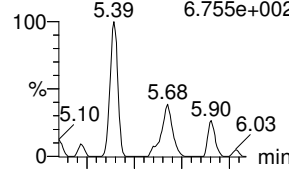
L-EtFOSAA

F51:MRM of 2 channels,ES-
584.2 > 419
5.631.155e+002



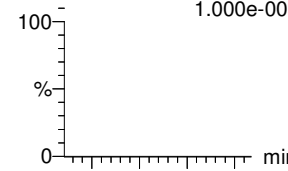
PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
6.755e+002

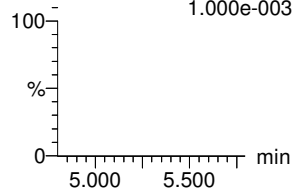


PFDS

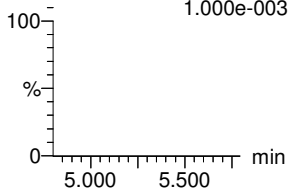
F53:MRM of 2 channels,ES-
598.8 > 80
1.000e-003



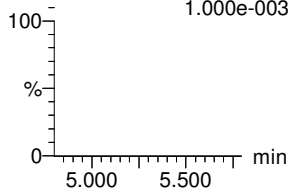
F42:MRM of 2 channels,ES-
527 > 80
1.000e-003



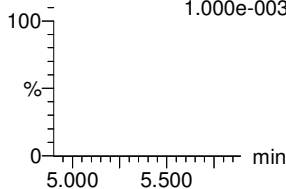
F45:MRM of 2 channels,ES-
549.1 > 99.1
1.000e-003



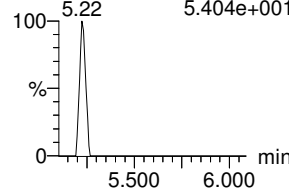
F48:MRM of 2 channels,ES-
570.1 > 483.0
1.000e-003



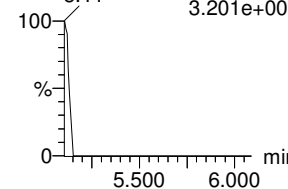
F51:MRM of 2 channels,ES-
584.2 > 483.0
1.000e-003



F46:MRM of 2 channels,ES-
563.0 > 269
5.404e+001

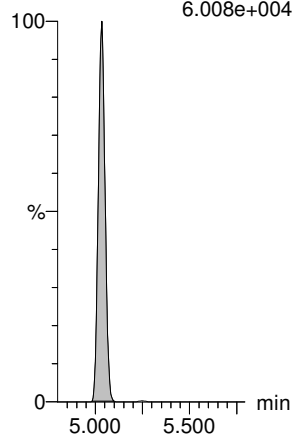


F53:MRM of 2 channels,ES-
598.8 > 98.7
3.201e+001



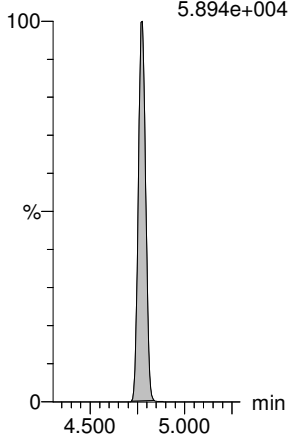
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
6.008e+004



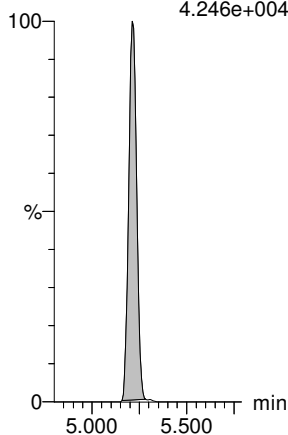
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
5.894e+004



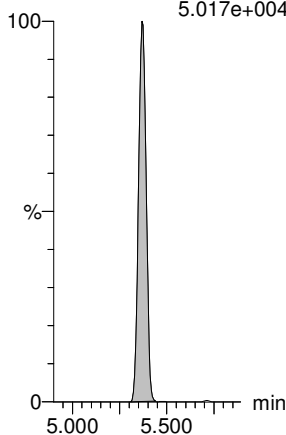
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
4.246e+004



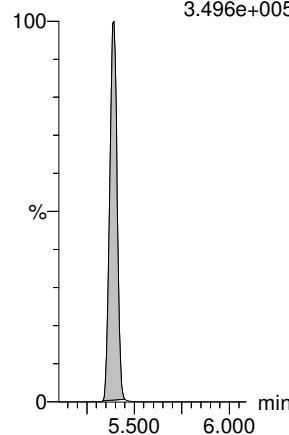
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
5.017e+004



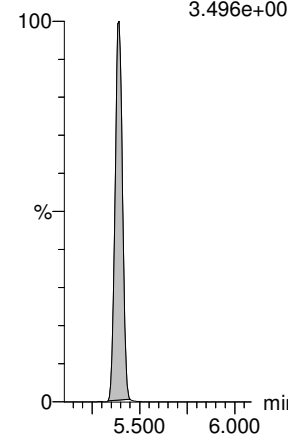
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
3.496e+005



13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
3.496e+005



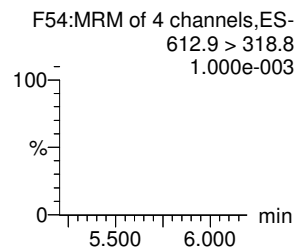
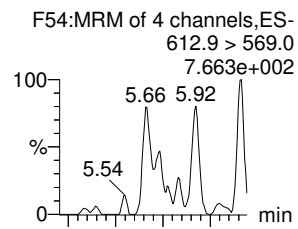
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Last Altered: Wednesday, May 30, 2018 14:14:08 Pacific Daylight Time

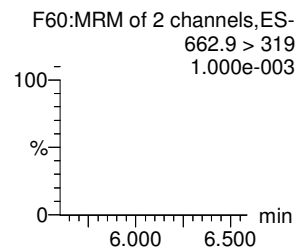
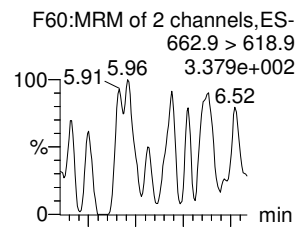
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Name: 180529M1_26, Date: 29-May-2018, Time: 22:06:44, ID: 1801014-03 EB1805161740GSC 0.24898, Description: EB1805161740GSC

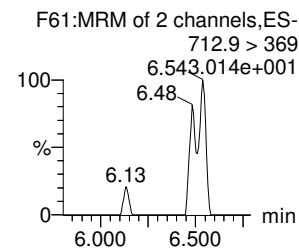
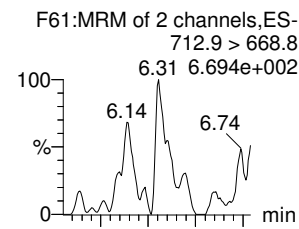
PFD_oA



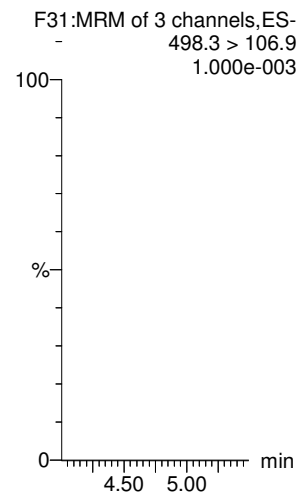
PFT_rDA



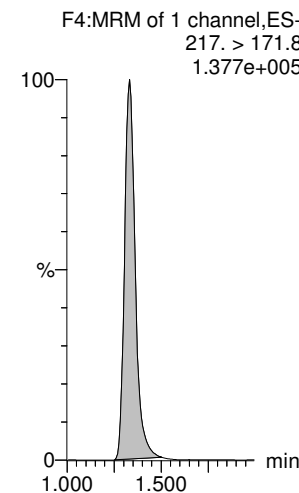
PFT_eDA



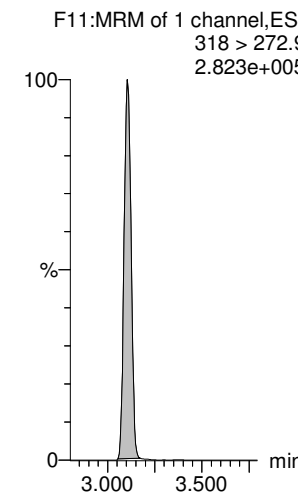
TCDA



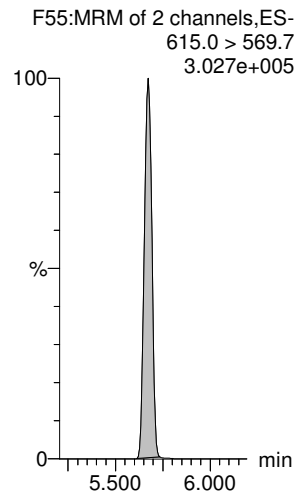
13C₄-PFBA



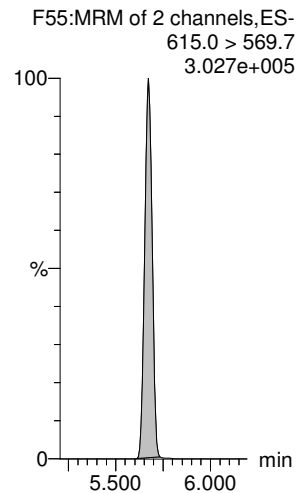
13C₅-PFHxA



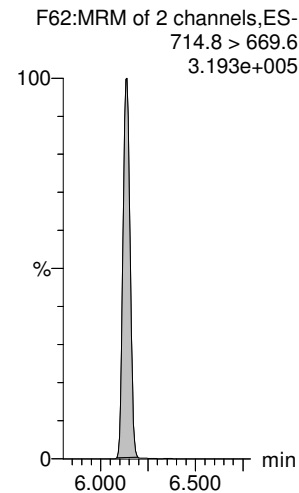
13C₂-PFD_oA



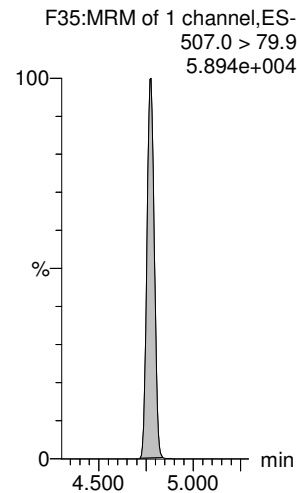
13C₂-PFD_oA



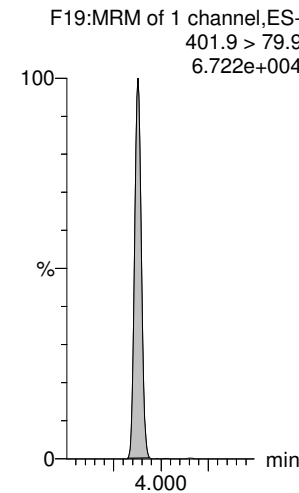
13C₂-PFT_eDA



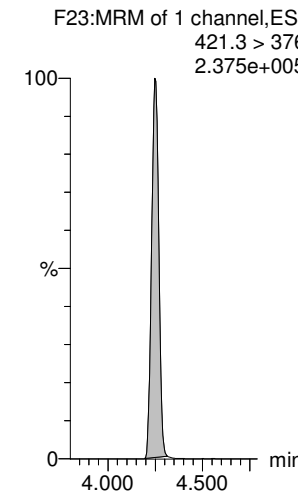
13C₈-PFOS



13C₃-PFHxS



13C₈-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-26.qld

Last Altered: Wednesday, May 30, 2018 14:14:08 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:40:00 Pacific Daylight Time

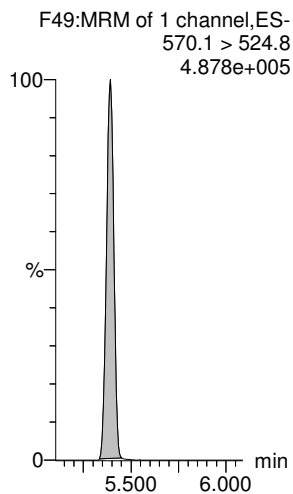
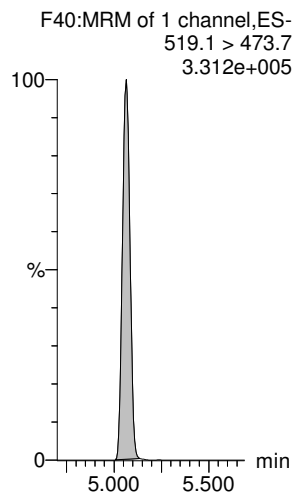
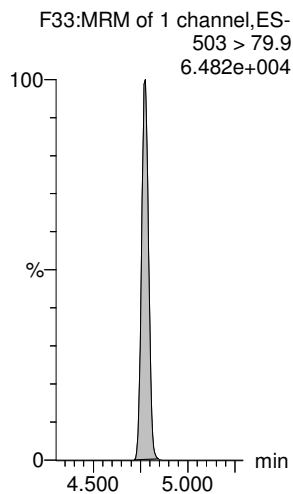
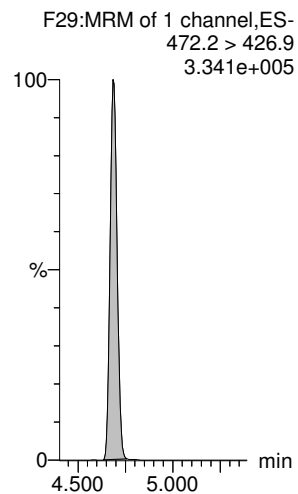
Name: 180529M1_26, Date: 29-May-2018, Time: 22:06:44, ID: 1801014-03 EB1805161740GSC 0.24898, Description: EB1805161740GSC

13C9-PFNA

13C4-PFOS

13C6-PFDA

13C7-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-27.qld

Last Altered: Wednesday, May 30, 2018 14:17:24 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:42:08 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_27, Date: 29-May-2018, Time: 22:17:15, ID: 1801014-04 EB1805161810GSC 0.25112, Description: EB1805161810GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8		6.99e3	0.2511		1.34						
2	2 PFPeA	263.1 > 218.9		9.28e3	0.2511		2.32						
3	3 PFBS	299.0 > 79.7		1.21e3	0.2511		2.62						
4	4 4:2 FTS	327.2>307.2		2.20e3	0.2511		3.02						
5	5 PFHxA	313.2 > 268.9		2.91e3	0.2511		3.10						
6	6 PFPeS	349.1>80.1		1.21e3	0.2511		3.31						
7	7 PFHpA	363.0 > 318.9		8.70e3	0.2511		3.72						
8	8 L-PFHxS	398.9 > 79.6		1.08e3	0.2511		3.88						
9	9 Br-PFHxS	398.9 > 79.6		1.08e3	0.2511		3.75						
10	10 6:2 FTS	427.1 > 407		2.26e3	0.2511		4.19						
11	11 L-PFOA	413 > 368.7		1.25e4	0.2511		4.25						
12	12 Br-PFOA	413 > 368.7		1.25e4	0.2511		4.18						
13	13 PFHpS	449 > 80.0		1.25e4	0.2511		4.36						
14	14 PFNA	463.0 > 418.8		1.08e4	0.2511		4.68						
15	15 PFOSA	498.2 > 77.9		1.88e3	0.2511		4.75						
16	16 L-PFOS	499.1 > 79.9		2.44e3	0.2511		4.77						
17	17 Br-PFOS	499.1 > 79.9		2.44e3	0.2511		4.67						
18	18 PFDA	513 > 468.8		1.32e4	0.2511		5.06						
19	19 8:2 FTS	527 > 506.9		2.07e3	0.2511		5.03						
20	20 PFNS	549.1>80.1		2.44e3	0.2511		5.13						
21	21 L-MeFOSAA	570.1 > 419		1.60e3	0.2511		5.22						
22	23 L-EtFOSAA	584.2 > 419		2.21e3	0.2511		5.37						
23	25 PFUdA	563.0 > 518.9		1.13e4	0.2511		5.39						
24	26 PFDS	598.8 > 80		1.13e4	0.2511		5.44						
25	27 PFDaA	612.9 > 569.0		1.13e4	0.2511		5.67						
26	29 PFTTrDA	662.9 > 618.9		1.13e4	0.2511		5.92						
27	30 PFTeDA	712.9 > 668.8		1.16e4	0.2511		6.14						

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-27.qld

Last Altered: Wednesday, May 30, 2018 14:17:24 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:42:31 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_27, Date: 29-May-2018, Time: 22:17:15, ID: 1801014-04 EB1805161810GSC 0.25112, Description: EB1805161810GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	36 13C3-PFBA	216.1 > 171.8	6.99e3	7.98e3	0.2511	0.894	1.33	1.34	10.9	48.737	97.9		
2	37 13C3-PFPeA	266. > 221.8	9.28e3	1.10e4	0.2511	0.886	2.32	2.32	10.6	47.406	95.2		
3	38 13C3-PFBS	302. > 98.8	1.21e3	1.10e4	0.2511	0.109	2.61	2.61	1.38	50.510	101.5		
4	39 13C2-4:2 FTS	329.2>308.9	2.20e3	1.10e4	0.2511	0.231	3.02	3.02	2.50	43.221	86.8		
5	40 13C2-PFHxA	315 > 269.8	2.91e3	1.10e4	0.2511	0.731	3.10	3.10	3.31	18.040	90.6		
6	41 13C4-PFHpA	367.2 > 321.8	8.70e3	1.10e4	0.2511	0.761	3.72	3.72	9.89	51.699	103.9		
7	42 18O2-PFHxS	403.0 > 102.6	1.08e3	2.35e3	0.2511	0.436	3.87	3.88	5.74	52.415	105.3		
8	43 13C2-6:2 FTS	429.1 > 408.9	2.26e3	8.78e3	0.2511	0.267	4.19	4.19	3.22	48.135	96.7		
9	44 13C2-PFOA	414.9 > 369.7	1.25e4	8.78e3	0.2511	1.601	4.25	4.25	17.8	44.377	89.2		
10	45 13C5-PFNA	468.2 > 422.9	1.08e4	1.26e4	0.2511	0.953	4.69	4.69	10.7	44.536	89.5		
11	46 13C8-PFOA	506.1 > 77.7	1.88e3	1.90e4	0.2511	0.178	4.75	4.75	1.24	27.599	55.4		
12	47 13C8-PFOS	507.0 > 79.9	2.44e3	2.40e3	0.2511	1.064	4.77	4.77	12.7	47.529	95.5		
13	48 13C2-PFDA	515.1 > 469.9	1.32e4	1.53e4	0.2511	1.032	5.06	5.06	10.8	41.710	83.8		
14	49 13C2-8:2 FTS	529.1 > 508.7	2.07e3	1.10e4	0.2511	0.215	5.03	5.04	2.36	43.714	87.8		
15	50 d3-N-MeFOSAA	573.3 > 419	1.60e3	1.90e4	0.2511	0.134	5.21	5.21	1.05	31.362	63.0		
16	51 d5-N-EtFOSAA	589.3 > 419	2.21e3	1.90e4	0.2511	0.177	5.37	5.37	1.46	32.703	65.7		
17	52 13C2-PFUdA	565 > 519.8	1.13e4	1.90e4	0.2511	0.948	5.39	5.39	7.45	31.309	62.9		
18	53 13C2-PFDoA	615.0 > 569.7	1.13e4	1.53e4	0.2511	1.114	5.67	5.67	9.19	32.848	66.0		
19	55 13C2-PFTeDA	714.8 > 669.6	1.16e4	1.90e4	0.2511	0.860	6.14	6.14	7.66	35.468	71.3		
20	60 13C4-PFBA	217. > 171.8	7.98e3	7.98e3	0.2511	1.000	1.33	1.34	12.5	49.777	100.0		
21	61 13C5-PFHxA	318 > 272.9	1.10e4	1.10e4	0.2511	1.000	3.10	3.10	12.5	49.777	100.0		
22	62 13C3-PFHxS	401.9 > 79.9	2.35e3	2.35e3	0.2511	1.000	3.87	3.88	12.5	49.777	100.0		
23	63 13C8-PFOA	421.3 > 376	8.78e3	8.78e3	0.2511	1.000	4.25	4.25	12.5	49.777	100.0		
24	64 13C9-PFNA	472.2 > 426.9	1.26e4	1.26e4	0.2511	1.000	4.69	4.69	12.5	49.777	100.0		
25	65 13C4-PFOS	503 > 79.9	2.40e3	2.40e3	0.2511	1.000	4.77	4.78	12.5	49.777	100.0		
26	66 13C6-PFDA	519.1 > 473.7	1.53e4	1.53e4	0.2511	1.000	5.06	5.06	12.5	49.777	100.0		
27	67 13C7-PFUdA	570.1 > 524.8	1.90e4	1.90e4	0.2511	1.000	5.39	5.39	12.5	49.777	100.0		
28	68 Total PFHxS	398.9 > 79.6	0.00e0	1.08e3	0.2511		4.05		0.000				
29	69 Total PFOA	413 > 368.7	0.00e0	1.25e4	0.2511		4.30		0.000				
30	70 Total PFOS	499.1 > 79.9	0.00e0	2.44e3	0.2511		4.90		0.000				
31	71 Total N-MeFOSAA	570.1 > 419	0.00e0	1.60e3	0.2511		5.55		0.000				
32	72 Total N-EtFOSAA	584.2 > 419	0.00e0	2.21e3	0.2511		5.70		0.000				AR 5/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-27.qld

Last Altered: Wednesday, May 30, 2018 14:17:24 Pacific Daylight Time

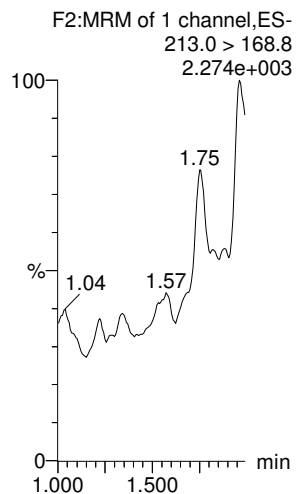
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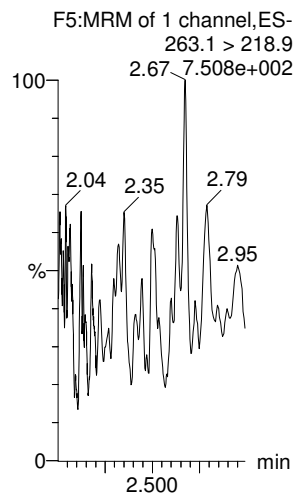
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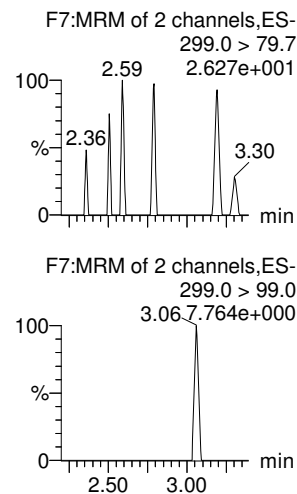
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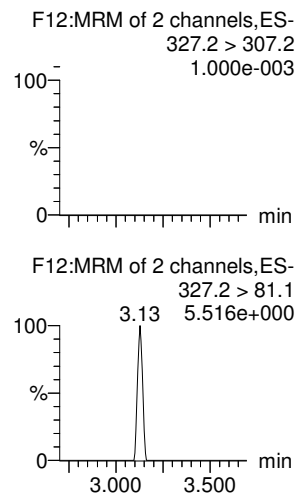
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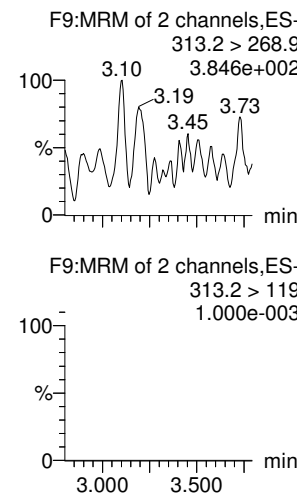
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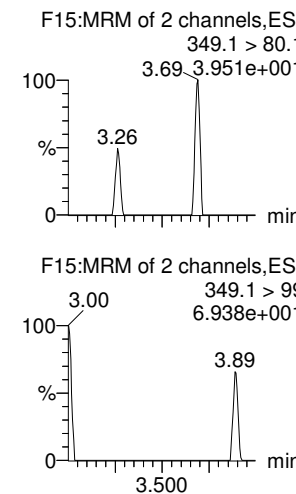
4:2 FTS



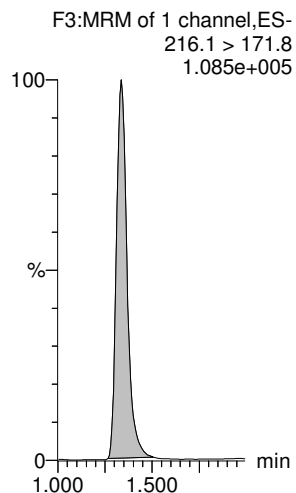
PFHxA



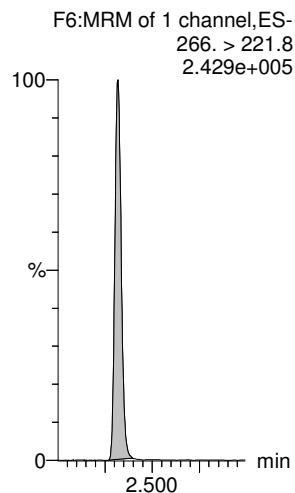
PFPeS



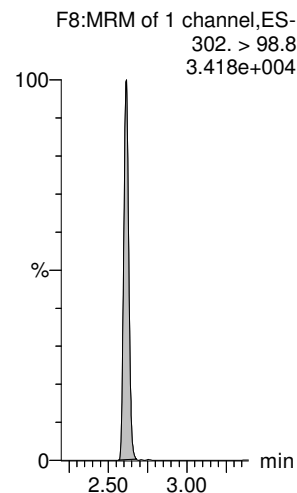
13C3-PFBA



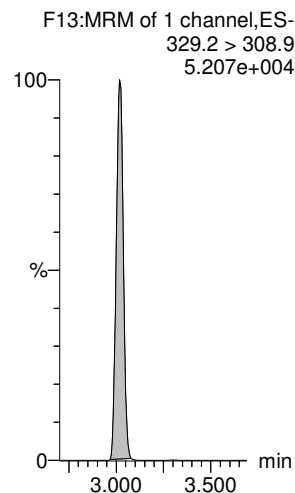
13C3-PFPeA



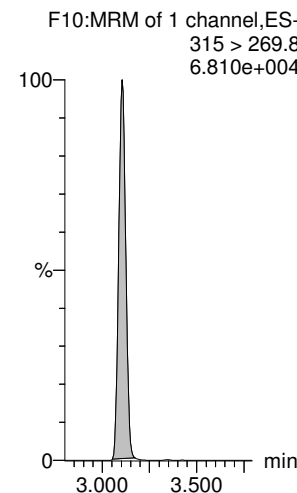
13C3-PFBS



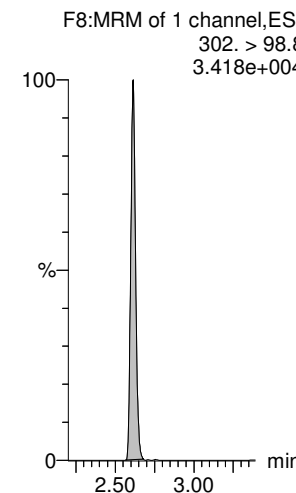
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-27.qld

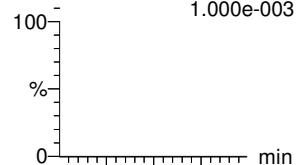
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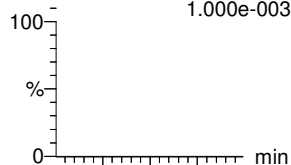
L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
1.000e-003



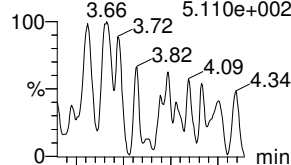
Br-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
1.000e-003



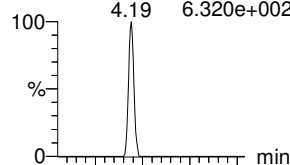
PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
5.110e+002



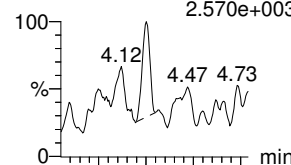
6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
6.320e+002



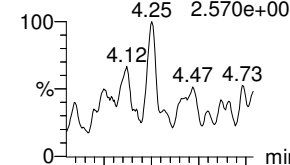
L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
2.570e+003

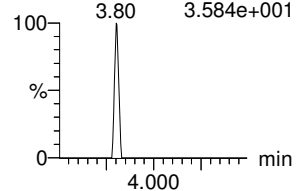


Br-PFOA

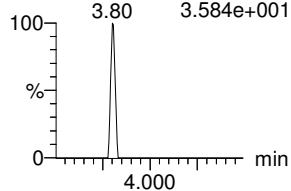
F21:MRM of 2 channels,ES-
413 > 368.7
2.570e+003



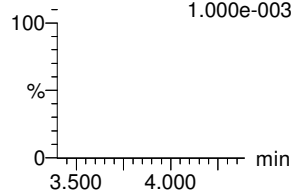
F18:MRM of 2 channels,ES-
398.9 > 99.0
3.584e+001



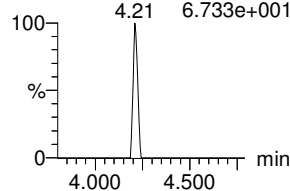
F18:MRM of 2 channels,ES-
398.9 > 99.0
3.584e+001



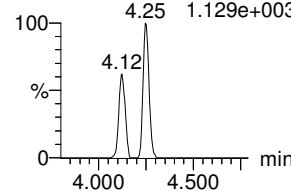
F16:MRM of 2 channels,ES-
363.0 > 169.0
1.000e-003



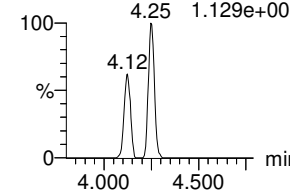
F24:MRM of 2 channels,ES-
427.1 > 80
6.733e+001



F21:MRM of 2 channels,ES-
413 > 169
1.129e+003

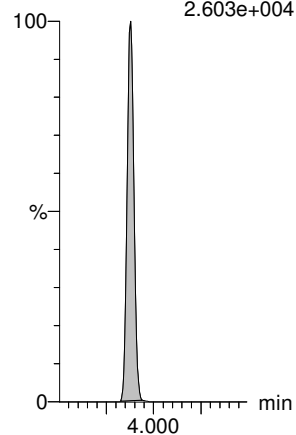


F21:MRM of 2 channels,ES-
413 > 169
1.129e+003



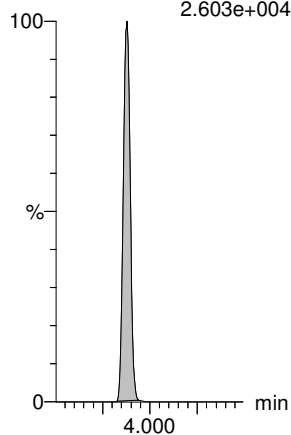
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.603e+004



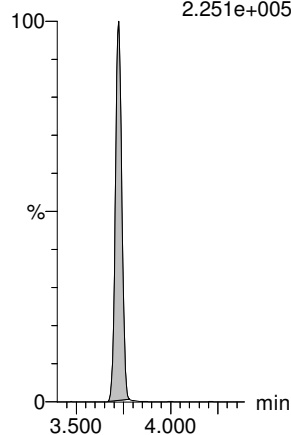
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.603e+004



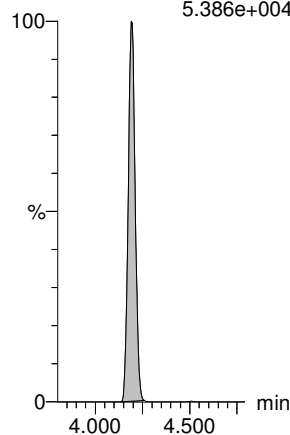
13C4-PFHpa

F17:MRM of 1 channel,ES-
367.2 > 321.8
2.251e+005



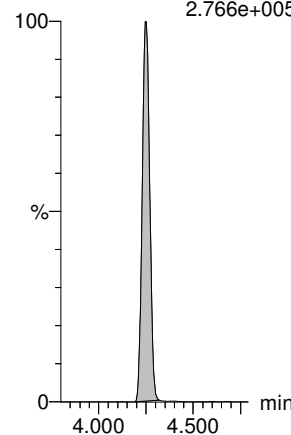
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
5.386e+004



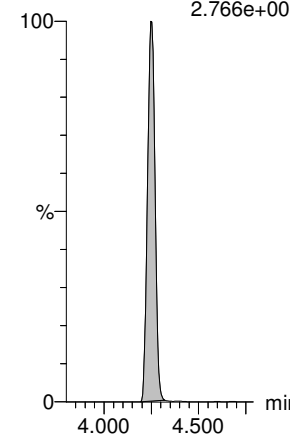
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
2.766e+005



13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
2.766e+005



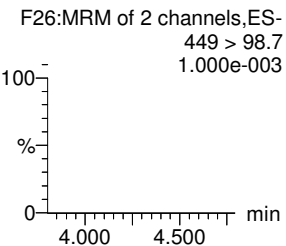
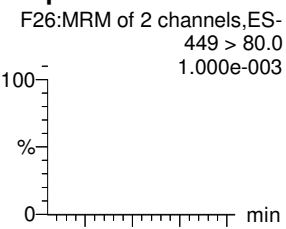
Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-27.qld

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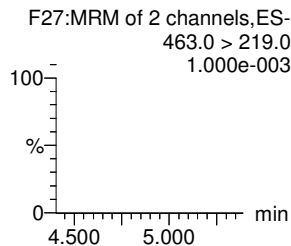
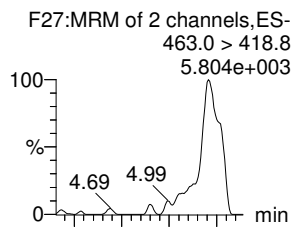
Printed: Thursday, May 31, 2018 11:42:31 Pacific Daylight Time

Name: 180529M1_27, Date: 29-May-2018, Time: 22:17:15, ID: 1801014-04 EB1805161810GSC 0.25112, Description: EB1805161810GSC

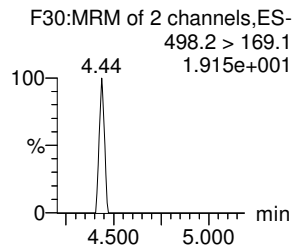
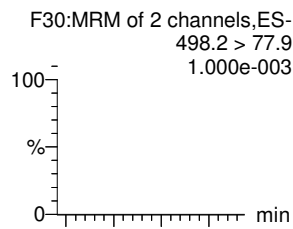
PFHpS



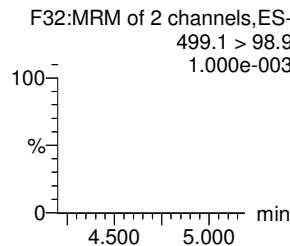
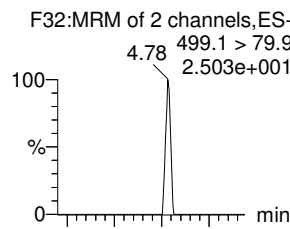
PFNA



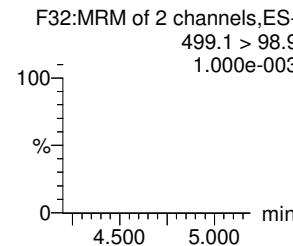
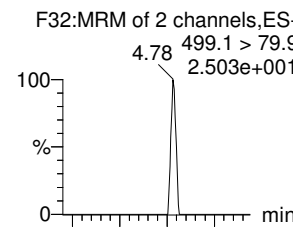
PFOSA



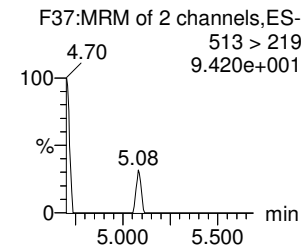
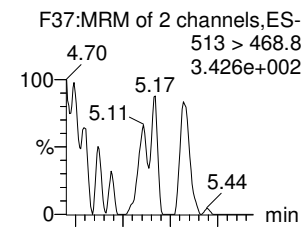
L-PFOS



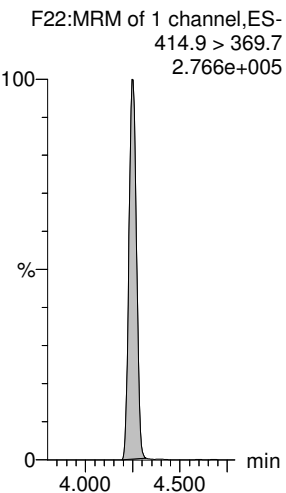
Br-PFOS



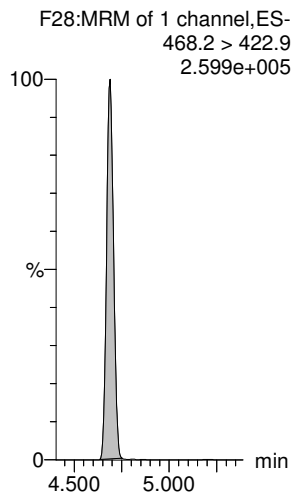
PFDA



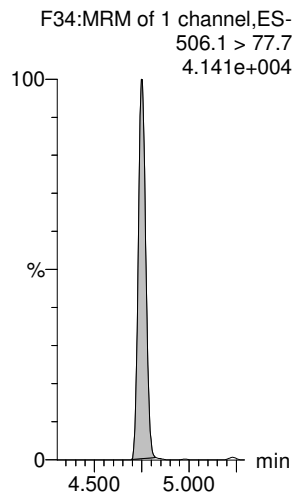
13C2-PFOA



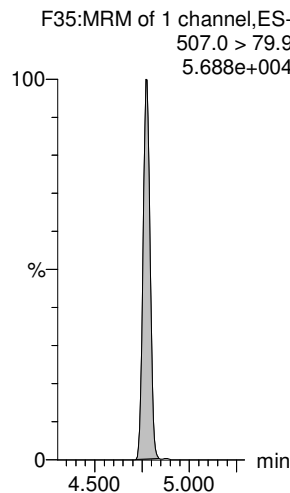
13C5-PFNA



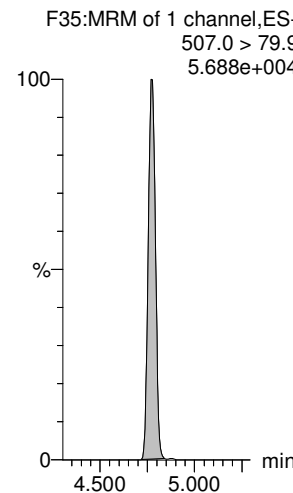
13C8-PFOA



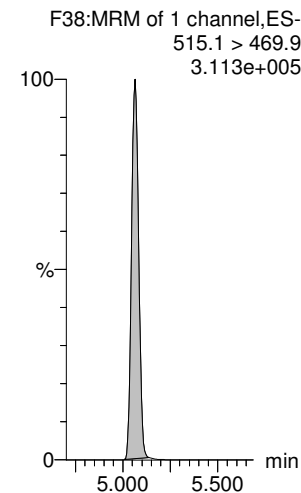
13C8-PFOS



13C8-PFOS



13C2-PFDA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-27.qld

Last Altered: Wednesday, May 30, 2018 14:17:24 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:42:31 Pacific Daylight Time

Name: 180529M1_27, Date: 29-May-2018, Time: 22:17:15, ID: 1801014-04 EB1805161810GSC 0.25112, Description: EB1805161810GSC

8:2 FTS

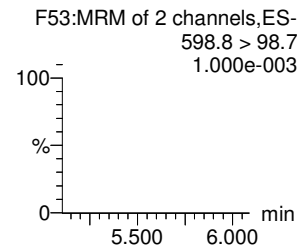
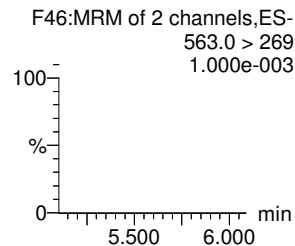
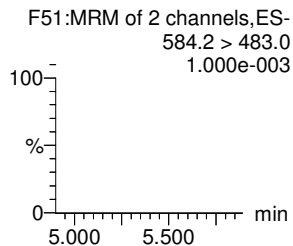
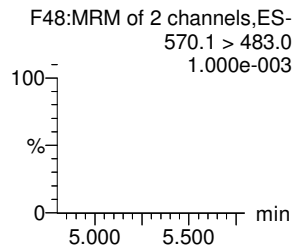
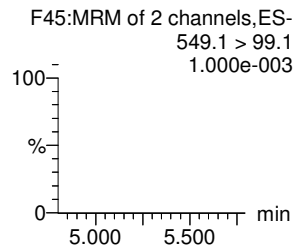
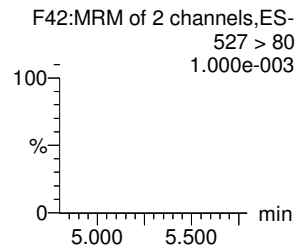
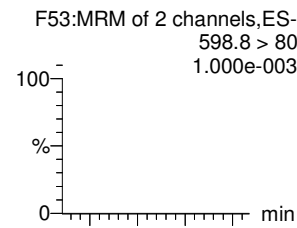
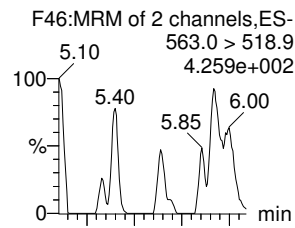
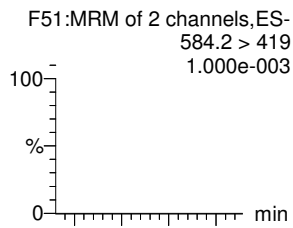
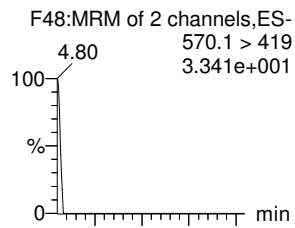
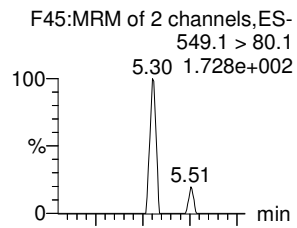
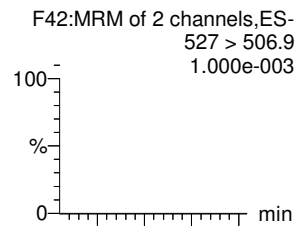
PFNS

L-MeFOSAA

L-EtFOSAA

PFUdA

PFDS



13C2-8:2 FTS

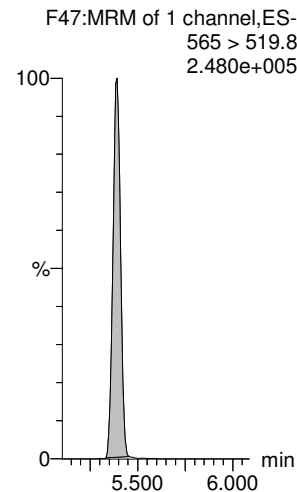
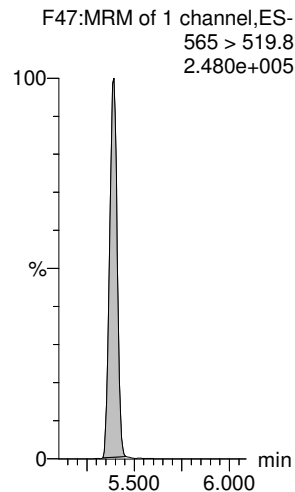
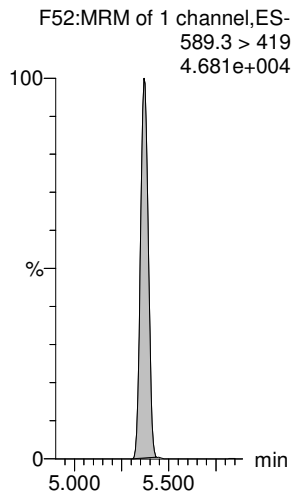
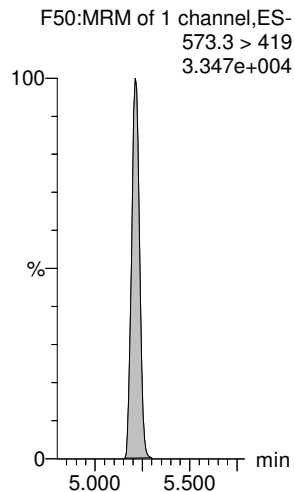
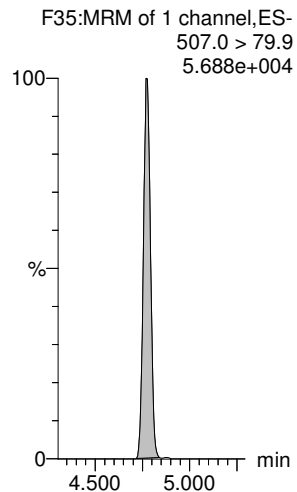
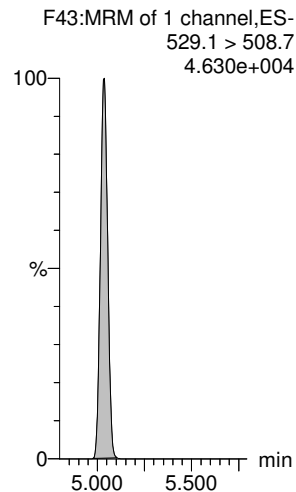
13C8-PFOS

d3-N-MeFOSAA

d5-N-EtFOSAA

13C2-PFUdA

13C2-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-27.qld

Last Altered: Wednesday, May 30, 2018 14:17:24 Pacific Daylight Time

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Name: 180529M1_27, Date: 29-May-2018, Time: 22:17:15, ID: 1801014-04 EB1805161810GSC 0.25112, Description: EB1805161810GSC

PFDoA

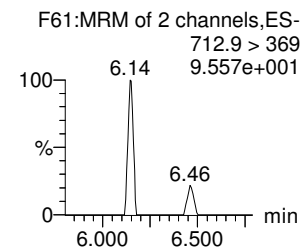
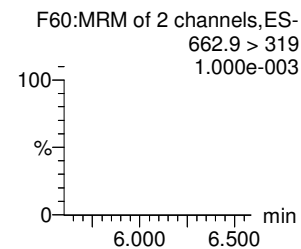
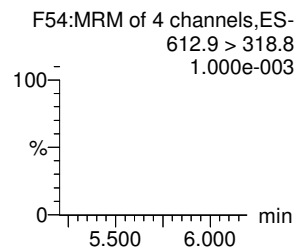
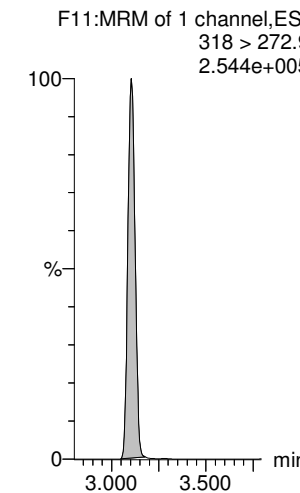
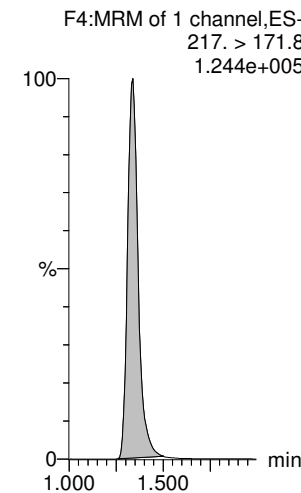
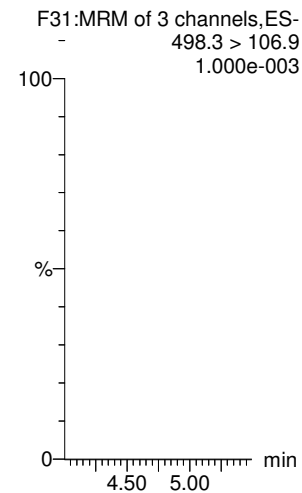
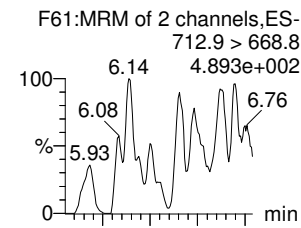
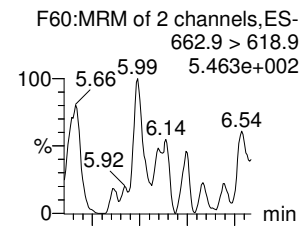
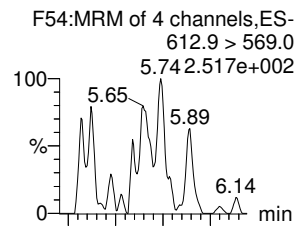
PFTrDA

PFTeDA

TCDA

13C4-PFBA

13C5-PFHxA



13C2-PFDoA

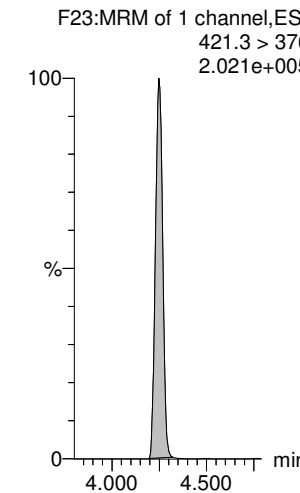
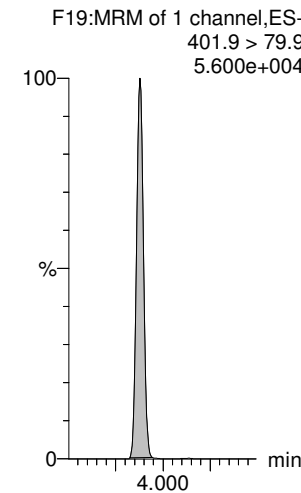
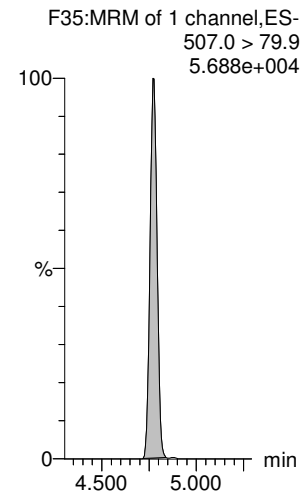
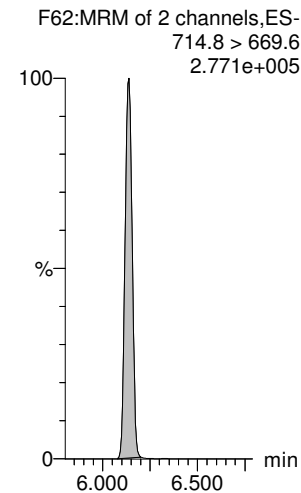
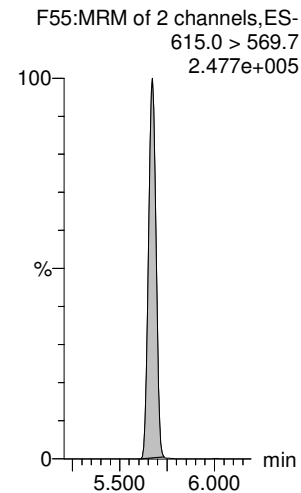
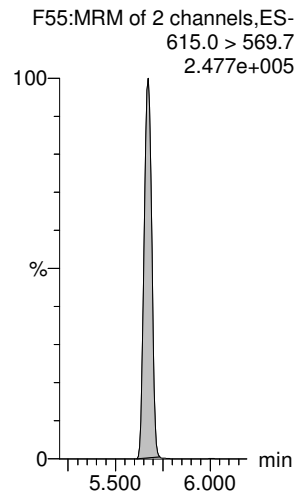
13C2-PFDoA

13C2-PFTeDA

13C8-PFOS

13C3-PFHxS

13C8-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-27.qld

Last Altered: Wednesday, May 30, 2018 14:17:24 Pacific Daylight Time

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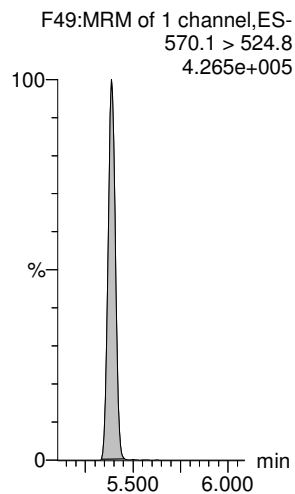
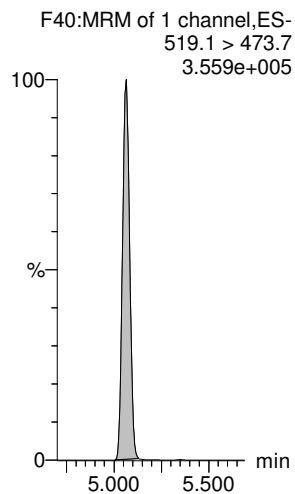
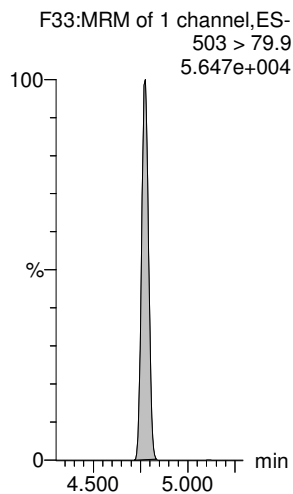
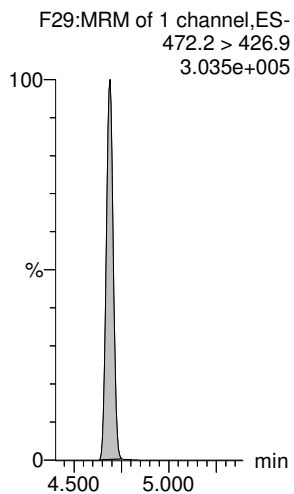
Name: 180529M1_27, Date: 29-May-2018, Time: 22:17:15, ID: 1801014-04 EB1805161810GSC 0.25112, Description: EB1805161810GSC

13C9-PFNA

13C4-PFOS

13C6-PFDA

13C7-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-28.qld

Last Altered: Wednesday, May 30, 2018 14:22:31 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:44:07 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_28, Date: 29-May-2018, Time: 22:27:39, ID: 1801014-05 EB1805161835GSC 0.24641, Description: EB1805161835GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 168.8		8.94e3	0.2464		1.33						
2	2 PFPeA	263.1 > 218.9		1.18e4	0.2464		2.31						
3	3 PFBS	299.0 > 79.7		1.59e3	0.2464		2.61						
4	4 4:2 FTS	327.2>307.2	5.11e0	2.93e3	0.2464		3.02	3.01	0.0218	0.181		1.396	NO
5	5 PFHxA	313.2 > 268.9		3.87e3	0.2464		3.10						
6	6 PFPeS	349.1>80.1		1.59e3	0.2464		3.31						
7	7 PFHpA	363.0 > 318.9		1.07e4	0.2464		3.72						
8	8 L-PFHxS	398.9 > 79.6		1.31e3	0.2464		3.88						
9	9 Br-PFHxS	398.9 > 79.6		1.31e3	0.2464		3.75						
10	10 6:2 FTS	427.1 > 407	1.19e3	2.79e3	0.2464		4.19	4.19	5.33	15.142		3.215	NO
11	11 L-PFOA	413 > 368.7	2.03e2	2.01e4	0.2464		4.25	4.25	0.127	0.315		4.555	NO
12	12 Br-PFOA	413 > 368.7	1.39e2	2.01e4	0.2464		4.18	4.12	0.0868	0.142		1.542	NO
13	13 PFHpS	449 > 80.0		2.01e4	0.2464		4.36						
14	14 PFNA	463.0 > 418.8		1.32e4	0.2464		4.68						
15	15 PFOSA	498.2 > 77.9		2.52e3	0.2464		4.75						
16	16 L-PFOS	499.1 > 79.9		3.44e3	0.2464		4.77						
17	17 Br-PFOS	499.1 > 79.9		3.44e3	0.2464		4.67						
18	18 PFDA	513 > 468.8		1.59e4	0.2464		5.06						
19	19 8:2 FTS	527 > 506.9		3.12e3	0.2464		5.03						
20	20 PFNS	549.1>80.1		3.44e3	0.2464		5.13						
21	21 L-MeFOSAA	570.1 > 419		1.94e3	0.2464		5.22						
22	23 L-EtFOSAA	584.2 > 419		2.79e3	0.2464		5.37						
23	25 PFUdA	563.0 > 518.9		1.47e4	0.2464		5.39						
24	26 PFDS	598.8 > 80		1.47e4	0.2464		5.44						
25	27 PFDoA	612.9 > 569.0		1.27e4	0.2464		5.67						
26	29 PFTTrDA	662.9 > 618.9		1.27e4	0.2464		5.92						
27	30 PFTeDA	712.9 > 668.8		1.45e4	0.2464		6.14						

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-28.qld

Last Altered: Wednesday, May 30, 2018 14:22:31 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:44:24 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_28, Date: 29-May-2018, Time: 22:27:39, ID: 1801014-05 EB1805161835GSC 0.24641, Description: EB1805161835GSC

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio out?
1	36 13C3-PFBA	216.1 > 171.8	8.94e3	1.04e4	0.2464	0.894	1.33	1.33	10.8	48.845	96.3		
2	37 13C3-PFPeA	266. > 221.8	1.18e4	1.45e4	0.2464	0.886	2.32	2.31	10.2	46.663	92.0		
3	38 13C3-PFBS	302. > 98.8	1.59e3	1.45e4	0.2464	0.109	2.61	2.61	1.37	51.020	100.6		
4	39 13C2-4:2 FTS	329.2>308.9	2.93e3	1.45e4	0.2464	0.231	3.02	3.02	2.52	44.399	87.5		
5	40 13C2-PFHxA	315 > 269.8	3.87e3	1.45e4	0.2464	0.731	3.10	3.10	3.34	18.538	91.4		
6	41 13C4-PFHpA	367.2 > 321.8	1.07e4	1.45e4	0.2464	0.761	3.72	3.72	9.21	49.082	96.8		
7	42 18O2-PFHxS	403.0 > 102.6	1.31e3	3.15e3	0.2464	0.436	3.87	3.88	5.21	48.543	95.7		
8	43 13C2-6:2 FTS	429.1 > 408.9	2.79e3	1.32e4	0.2464	0.267	4.19	4.19	2.64	40.134	79.1		
9	44 13C2-PFOA	414.9 > 369.7	2.01e4	1.32e4	0.2464	1.601	4.25	4.25	19.0	48.151	94.9		
10	45 13C5-PFNA	468.2 > 422.9	1.32e4	1.55e4	0.2464	0.953	4.69	4.69	10.6	45.059	88.8		
11	46 13C8-PFOSA	506.1 > 77.7	2.52e3	2.42e4	0.2464	0.178	4.75	4.75	1.30	29.706	58.6		
12	47 13C8-PFOS	507.0 > 79.9	3.44e3	3.34e3	0.2464	1.064	4.77	4.77	12.9	49.195	97.0		
13	48 13C2-PFDA	515.1 > 469.9	1.59e4	2.03e4	0.2464	1.032	5.06	5.06	9.76	38.385	75.7		
14	49 13C2-8:2 FTS	529.1 > 508.7	3.12e3	1.45e4	0.2464	0.215	5.03	5.03	2.69	50.803	100.1		
15	50 d3-N-MeFOSAA	573.3 > 419	1.94e3	2.42e4	0.2464	0.134	5.21	5.21	1.00	30.432	60.0		
16	51 d5-N-EtFOSAA	589.3 > 419	2.79e3	2.42e4	0.2464	0.177	5.37	5.37	1.44	32.985	65.0		
17	52 13C2-PFUdA	565 > 519.8	1.47e4	2.42e4	0.2464	0.948	5.39	5.39	7.62	32.633	64.3		
18	53 13C2-PFDoA	615.0 > 569.7	1.27e4	2.03e4	0.2464	1.114	5.67	5.67	7.81	28.441	56.1		
19	55 13C2-PFTeDA	714.8 > 669.6	1.45e4	2.42e4	0.2464	0.860	6.14	6.14	7.51	35.437	69.9		
20	60 13C4-PFBA	217. > 171.8	1.04e4	1.04e4	0.2464	1.000	1.33	1.32	12.5	50.728	100.0		
21	61 13C5-PFHxA	318 > 272.9	1.45e4	1.45e4	0.2464	1.000	3.10	3.10	12.5	50.728	100.0		
22	62 13C3-PFHxS	401.9 > 79.9	3.15e3	3.15e3	0.2464	1.000	3.87	3.88	12.5	50.728	100.0		
23	63 13C8-PFOA	421.3 > 376	1.32e4	1.32e4	0.2464	1.000	4.25	4.25	12.5	50.728	100.0		
24	64 13C9-PFNA	472.2 > 426.9	1.55e4	1.55e4	0.2464	1.000	4.69	4.69	12.5	50.728	100.0		
25	65 13C4-PFOS	503 > 79.9	3.34e3	3.34e3	0.2464	1.000	4.77	4.78	12.5	50.728	100.0		
26	66 13C6-PFDA	519.1 > 473.7	2.03e4	2.03e4	0.2464	1.000	5.06	5.06	12.5	50.728	100.0		
27	67 13C7-PFUdA	570.1 > 524.8	2.42e4	2.42e4	0.2464	1.000	5.39	5.39	12.5	50.728	100.0		
28	68 Total PFHxS	398.9 > 79.6	0.00e0	1.31e3	0.2464		4.05		0.000				
29	69 Total PFOA	413 > 368.7	3.43e2	2.01e4	0.2464		4.30		0.214	0.458			
30	70 Total PFOS	499.1 > 79.9	0.00e0	3.44e3	0.2464		4.90		0.000				
31	71 Total N-MeFOSAA	570.1 > 419	0.00e0	1.94e3	0.2464		5.55		0.000				
32	72 Total N-EtFOSAA	584.2 > 419	0.00e0	2.79e3	0.2464		5.70		0.000				AR 5/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-28.qld

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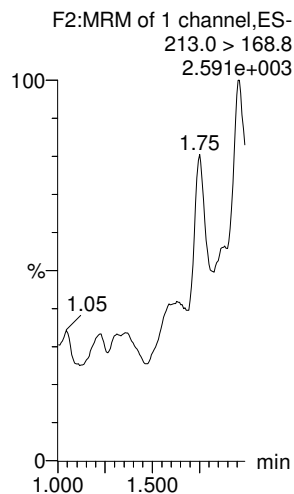
Printed: Thursday, May 31, 2018 11:44:24 Pacific Daylight Time

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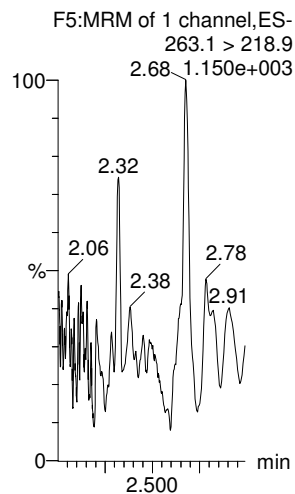
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Name: 180529M1_28, Date: 29-May-2018, Time: 22:27:39, ID: 1801014-05 EB1805161835GSC 0.24641, Description: EB1805161835GSC

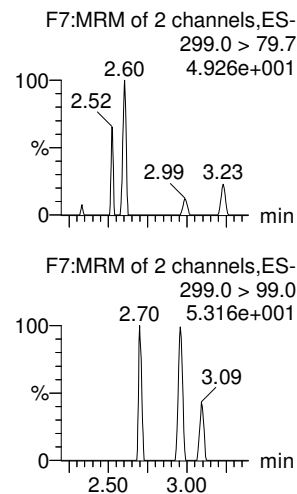
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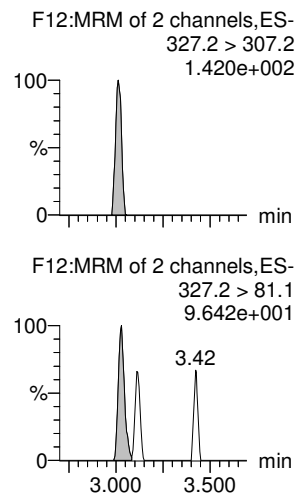
PFPeA



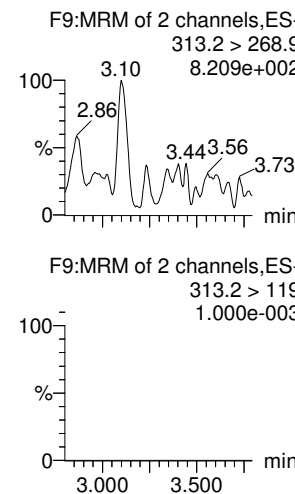
PFBS



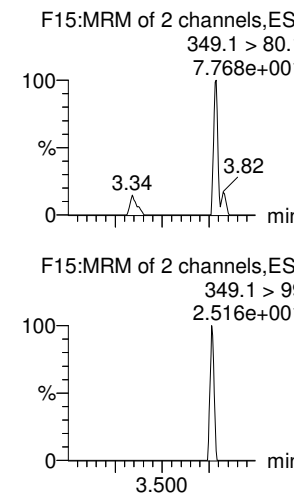
4:2 FTS



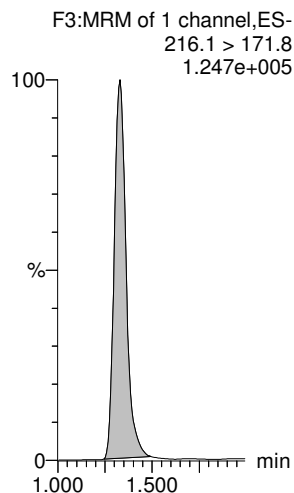
PFHxA



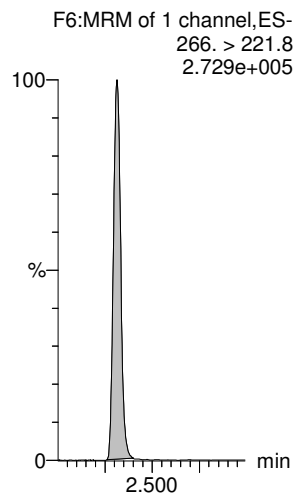
PFPeS



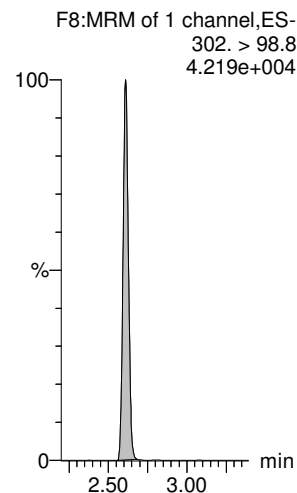
13C3-PFBA



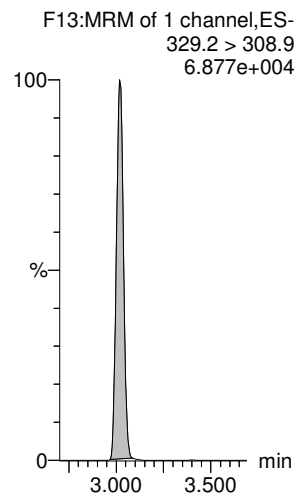
13C3-PFPeA



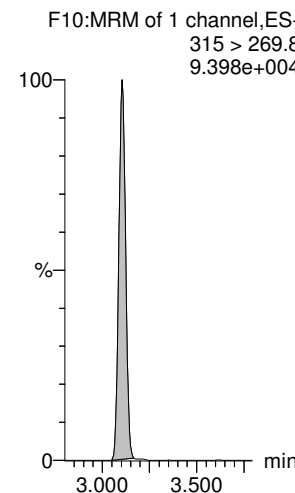
13C3-PFBS



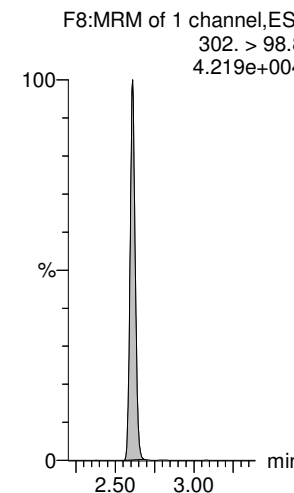
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-28.qld

Last Altered: Wednesday, May 30, 2018 14:22:31 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:44:24 Pacific Daylight Time

Name: 180529M1_28, Date: 29-May-2018, Time: 22:27:39, ID: 1801014-05 EB1805161835GSC 0.24641, Description: EB1805161835GSC

L-PFHxS

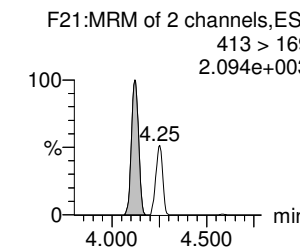
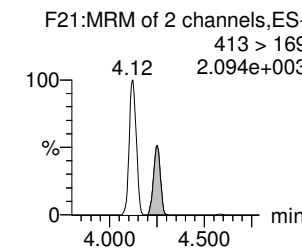
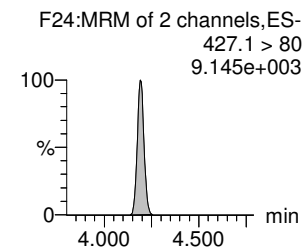
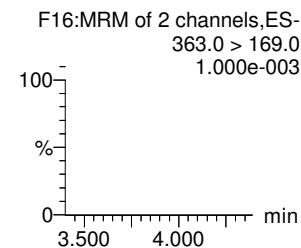
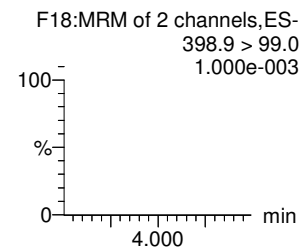
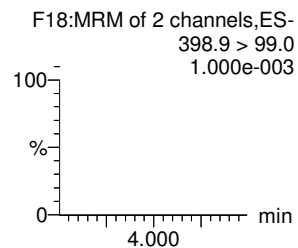
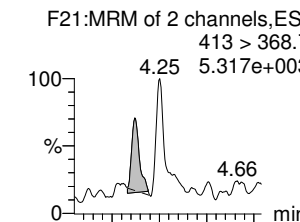
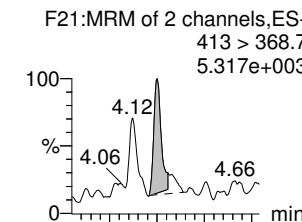
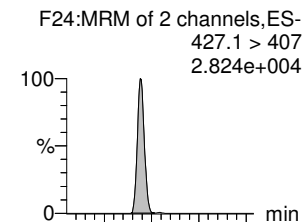
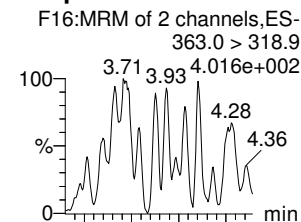
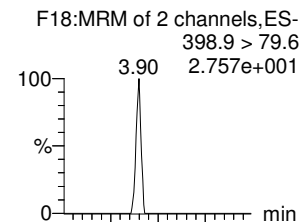
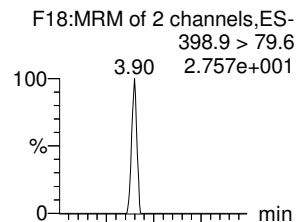
Br-PFHxS

PFHpA

6:2 FTS

L-PFOA

Br-PFOA



18O2-PFHxS

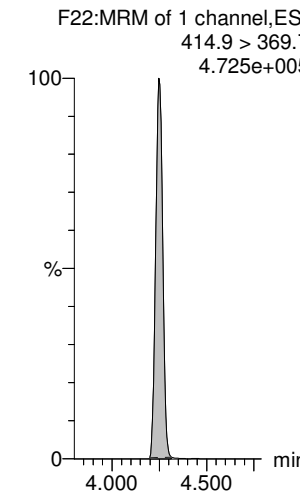
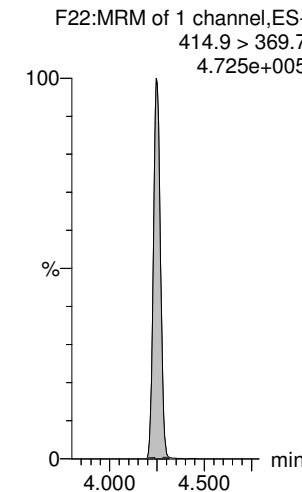
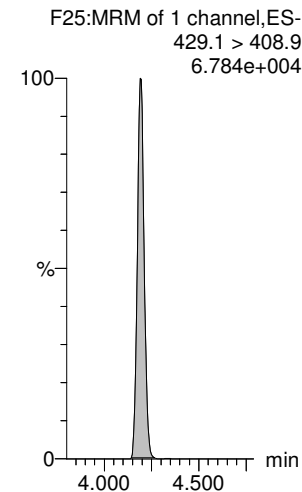
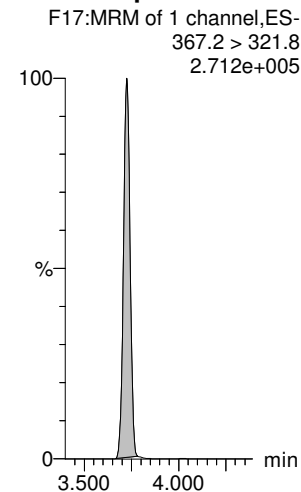
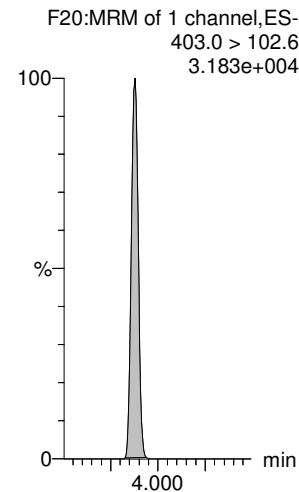
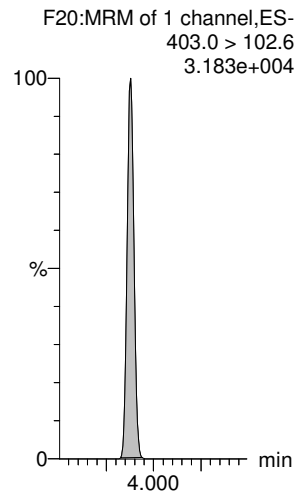
18O2-PFHxS

13C4-PFHpa

13C2-6:2 FTS

13C2-PFOA

13C2-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-28.qld

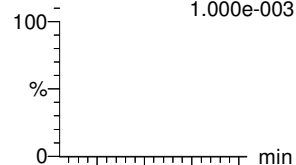
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Name: 180529M1_28, Date: 29-May-2018, Time: 22:27:39, ID: 1801014-05 EB1805161835GSC 0.24641, Description: EB1805161835GSC

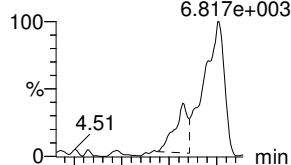
PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
1.000e-003



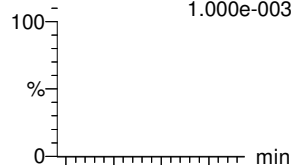
PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
6.817e+003



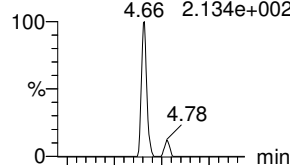
PFOSA

F30:MRM of 2 channels,ES-
498.2 > 77.9
1.000e-003



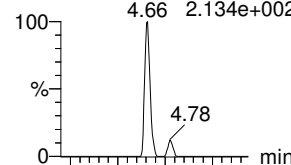
L-PFOS

F32:MRM of 2 channels,ES-
499.1 > 79.9
2.134e+002



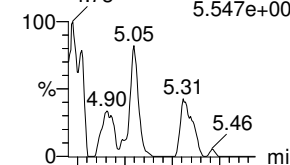
Br-PFOS

F32:MRM of 2 channels,ES-
499.1 > 79.9
2.134e+002

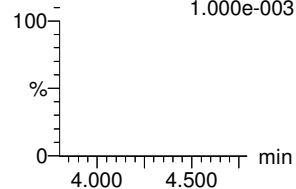


PFDA

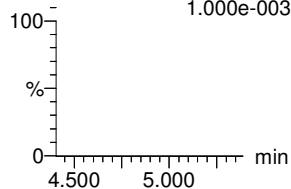
F37:MRM of 2 channels,ES-
513 > 468.8
5.547e+002



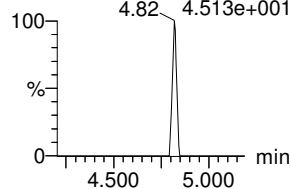
F26:MRM of 2 channels,ES-
449 > 98.7
1.000e-003



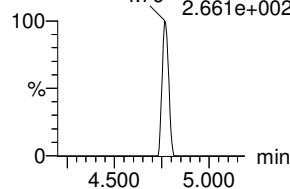
F27:MRM of 2 channels,ES-
463.0 > 219.0
1.000e-003



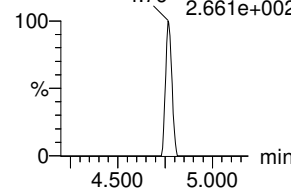
F30:MRM of 2 channels,ES-
498.2 > 169.1
4.513e+001



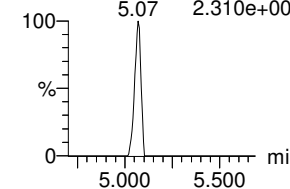
F32:MRM of 2 channels,ES-
499.1 > 98.9
2.661e+002



F32:MRM of 2 channels,ES-
499.1 > 98.9
2.661e+002

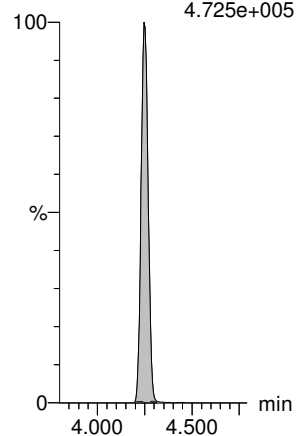


F37:MRM of 2 channels,ES-
513 > 219
2.310e+002



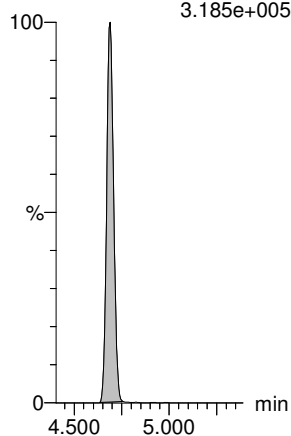
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
4.725e+005



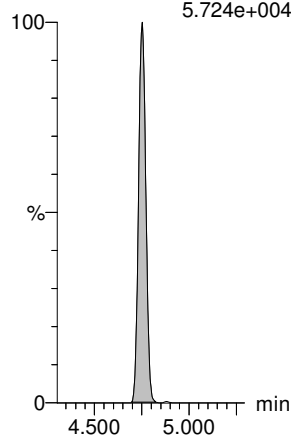
13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
3.185e+005



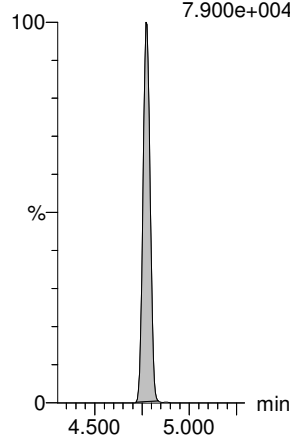
13C8-PFOA

F34:MRM of 1 channel,ES-
506.1 > 77.7
5.724e+004



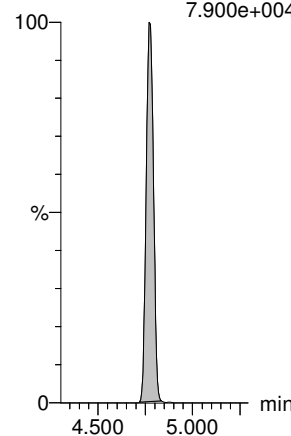
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
7.900e+004



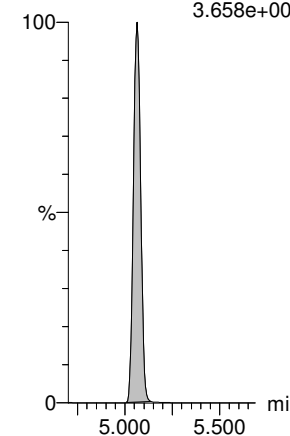
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
7.900e+004



13C2-PFDA

F38:MRM of 1 channel,ES-
515.1 > 469.9
3.658e+005



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-28.qld

Last Altered: Wednesday, May 30, 2018 14:22:31 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:44:24 Pacific Daylight Time

Name: 180529M1_28, Date: 29-May-2018, Time: 22:27:39, ID: 1801014-05 EB1805161835GSC 0.24641, Description: EB1805161835GSC

8:2 FTS

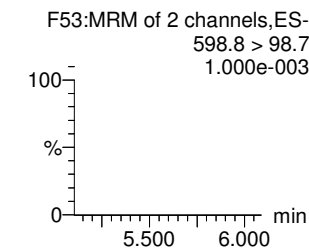
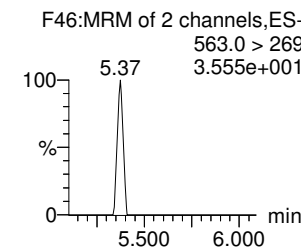
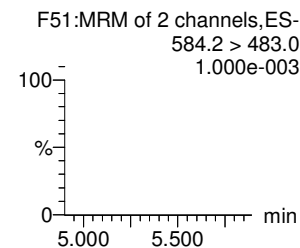
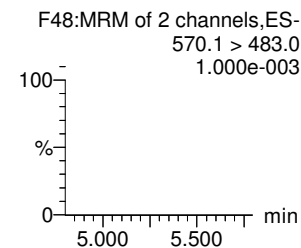
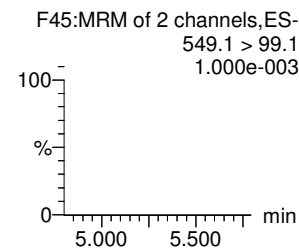
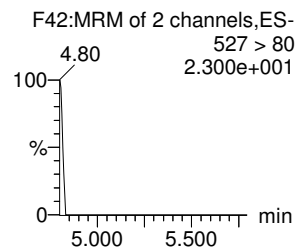
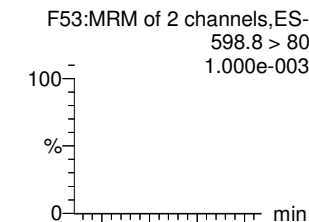
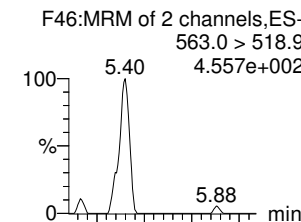
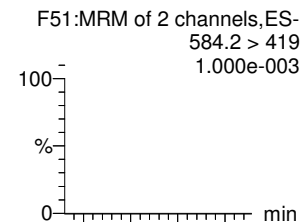
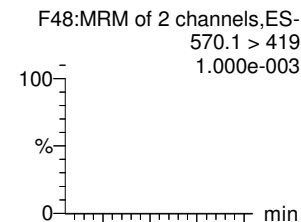
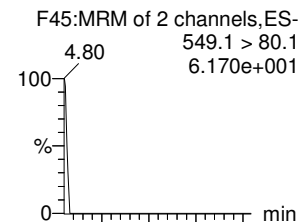
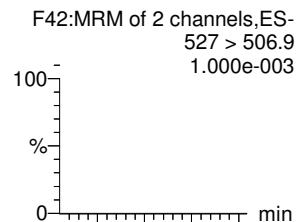
PFNS

L-MeFOSAA

L-EtFOSAA

PFUdA

PFDS



13C2-8:2 FTS

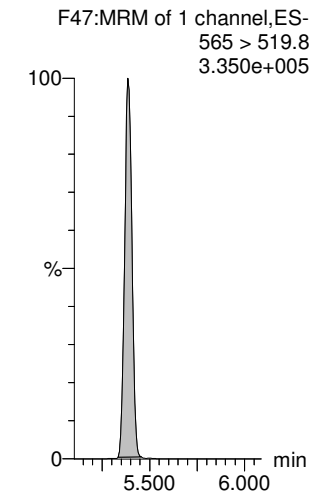
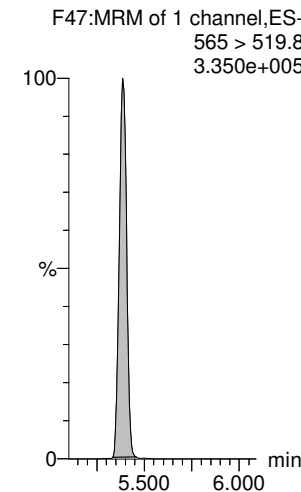
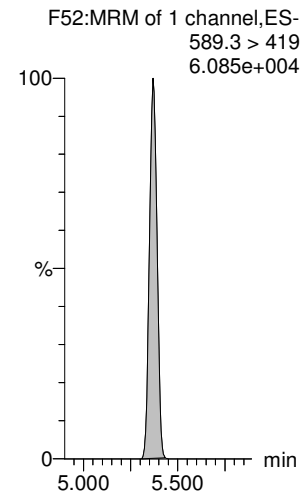
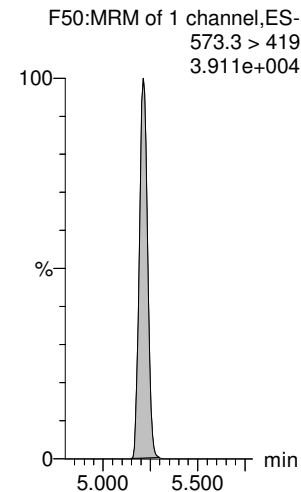
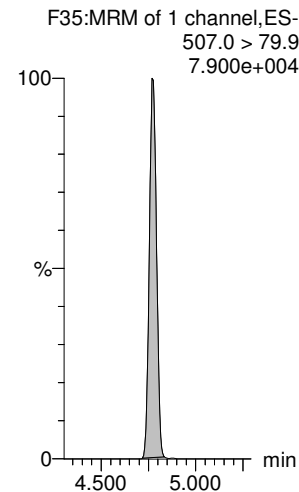
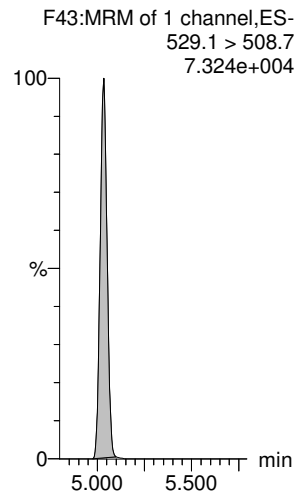
13C8-PFOS

d3-N-MeFOSAA

d5-N-EtFOSAA

13C2-PFUdA

13C2-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-28.qld

Last Altered: Wednesday, May 30, 2018 14:22:31 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:44:24 Pacific Daylight Time

Name: 180529M1_28, Date: 29-May-2018, Time: 22:27:39, ID: 1801014-05 EB1805161835GSC 0.24641, Description: EB1805161835GSC

PFDoA

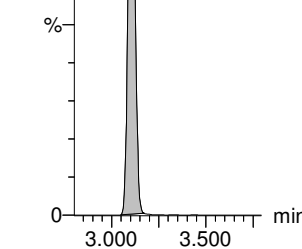
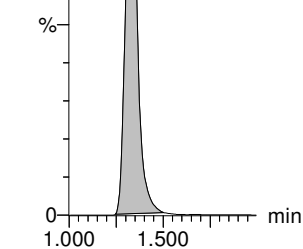
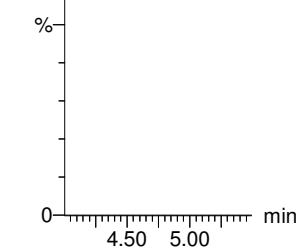
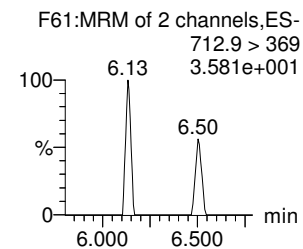
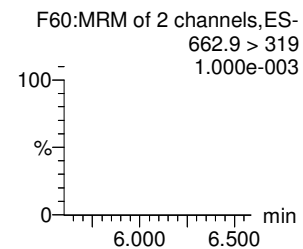
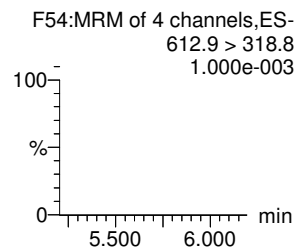
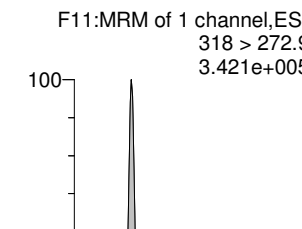
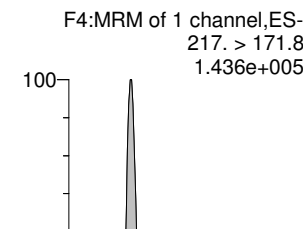
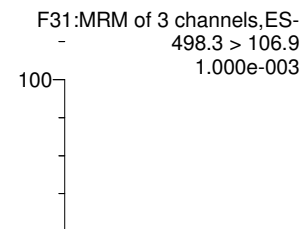
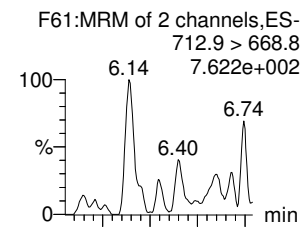
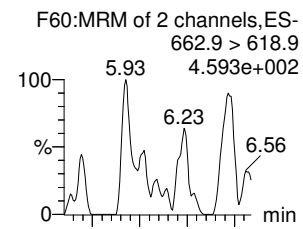
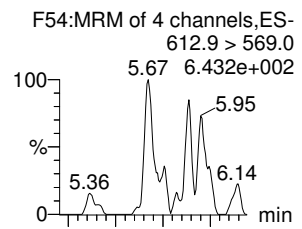
PFTrDA

PFTeDA

TCDA

13C4-PFBA

13C5-PFHxA



13C2-PFDoA

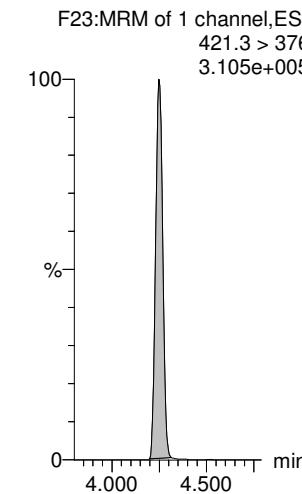
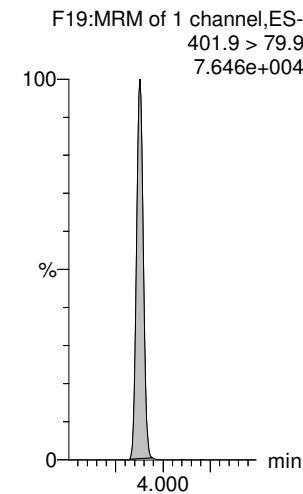
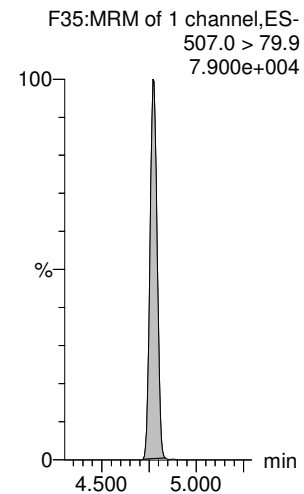
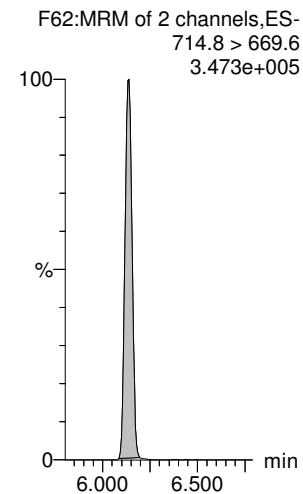
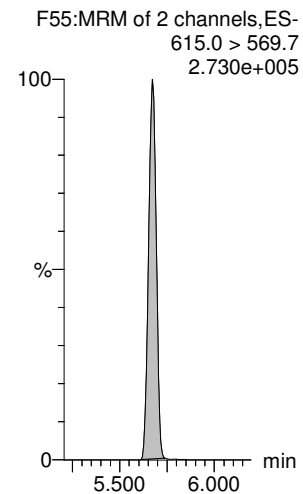
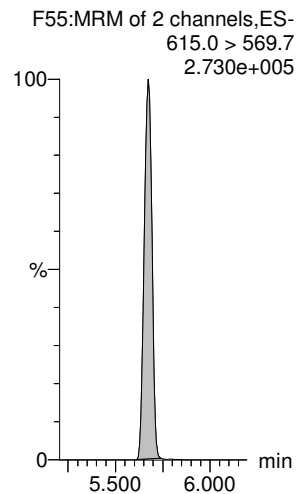
13C2-PFDoA

13C2-PFTeDA

13C8-PFOS

13C3-PFHxS

13C8-PFOA



Dataset: Z:\Projects\PFAS.PRO\Results\180529M1\180529M1-28.qld

Last Altered: Wednesday, May 30, 2018 14:22:31 Pacific Daylight Time

Printed: Thursday, May 31, 2018 11:44:24 Pacific Daylight Time

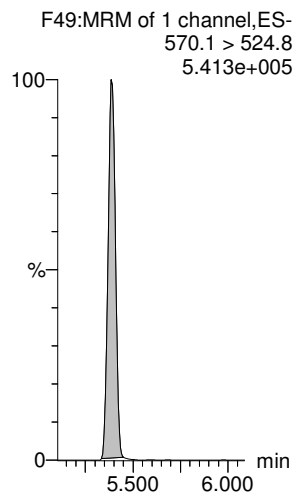
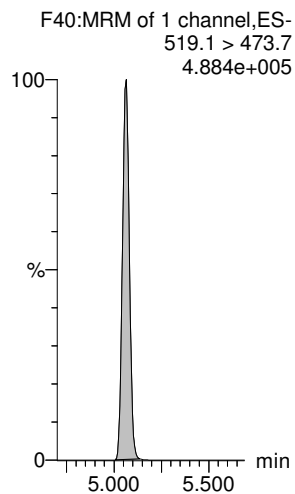
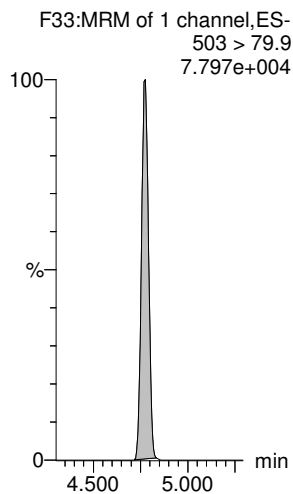
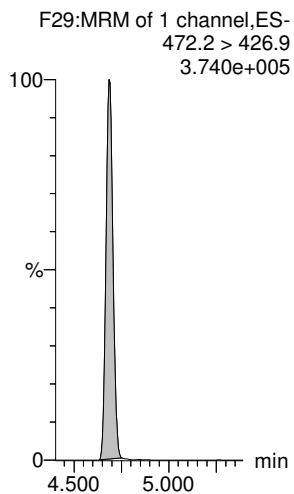
Name: 180529M1_28, Date: 29-May-2018, Time: 22:27:39, ID: 1801014-05 EB1805161835GSC 0.24641, Description: EB1805161835GSC

13C9-PFNA

13C4-PFOS

13C6-PFDA

13C7-PFUdA



CONTINUING CALIBRATION

LC Calibration Standards Review Checklist

Q4

		ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	<u>NA</u>
Calibration ID: <u>ST180529MI-11</u>	L M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID: <u>-12</u>	L M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID: <u>-13</u>	L M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID: <u>-14</u>	L M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID: <u>-15</u>	L M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID: <u>-16</u>	L M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID: <u>-17</u>	L M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration ID: _____	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calibration ID: _____	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calibration ID: _____	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Full Mass Cal. Date: 5/29/18

Run Log Present:

of Samples per Sequence Checked:

Instrument Blank Saved

IIS Area Saved

Reviewed By: AD 5/31/18
Initials/Date

Comments:

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-40.qld

Last Altered: Thursday, May 31, 2018 13:09:28 Pacific Daylight Time
Printed: Thursday, May 31, 2018 13:09:54 Pacific Daylight Time

VAD 5/31/18

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_40, Date: 30-May-2018, Time: 00:33:10, ID: ST180529M1-11 PFC CS3 18E2207, Description: PFC CS3 18E2207

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 16...	7.39e3	7.87e3		1.33	1.33	11.7	10.1	100.9	NO		
2	2 PFPeA	263.1 > 21...	9.87e3	1.22e4		2.32	2.32	10.1	9.97	99.7	NO		
3	3 PFBS	299.0 > 79.7	2.54e3	1.54e3		2.61	2.61	20.6	9.91	99.1	NO	2.856	NO
4	4 4:2 FTS	327.2>307.2	3.08e3	2.82e3		3.02	3.02	13.6	10.9	109.5	NO	1.873	NO
5	5 PFHxA	313.2 > 26...	1.44e4	4.06e3		3.10	3.10	17.7	10.1	100.8	NO	271.107	NO
6	6 PFPeS	349.1>80.1	2.16e3	1.54e3		3.31	3.31	17.5	9.46	94.6	NO	1.620	NO
7	7 PFHpA	363.0 > 31...	1.01e4	1.11e4		3.72	3.72	11.3	8.97	89.7	NO	14.077	NO
8	8 L-PFHxS	398.9 > 79.6	2.09e3	1.27e3		3.88	3.88	20.6	11.0	109.7	NO	1.910	NO
9	10 6:2 FTS	427.1 > 407	3.34e3	2.80e3		4.19	4.19	14.9	10.6	106.1	NO	3.015	NO
10	11 L-PFOA	413 > 368.7	1.53e4	1.89e4		4.25	4.25	10.1	10.7	107.1	NO	3.582	NO
11	13 PFHpS	449 > 80.0	2.42e3	1.89e4		4.36	4.36	1.60	11.0	110.2	NO	1.934	NO
12	14 PFNA	463.0 > 41...	1.78e4	1.44e4		4.68	4.69	15.4	11.6	115.6	NO	4.511	NO
13	15 PFOSA	498.2 > 77.9	2.68e3	3.84e3		4.75	4.75	8.75	10.4	103.6	NO	23.386	NO
14	16 L-PFOS	499.1 > 79.9	2.36e3	3.31e3		4.77	4.78	8.90	10.3	102.9	NO	1.853	NO
15	18 PFDA	513 > 468.8	1.66e4	1.91e4		5.06	5.06	10.9	9.77	97.7	NO	5.086	NO
16	19 8:2 FTS	527 > 506.9	3.13e3	2.61e3		5.03	5.04	15.0	11.2	111.9	NO	2.357	NO
17	20 PFNS	549.1>80.1	2.09e3	3.31e3		5.13	5.13	7.89	9.87	98.7	NO	1.809	NO
18	21 L-MeFOSAA	570.1 > 419	5.66e3	3.00e3		5.22	5.22	23.6	9.71	97.1	NO	22.718	YES
19	23 L-EtFOSAA	584.2 > 419	3.98e3	4.39e3		5.37	5.37	11.3	8.62	86.2	NO	20.065	NO

VAD 5/31/18

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-40.qld

Last Altered: Thursday, May 31, 2018 13:09:28 Pacific Daylight Time

Printed: Thursday, May 31, 2018 13:10:13 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_40, Date: 30-May-2018, Time: 00:33:10, ID: ST180529M1-11 PFC CS3 18E2207, Description: PFC CS3 18E2207

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	25	PFUdA	563.0 > 51...	1.70e4	1.97e4	5.39	5.39	10.8	11.6	115.9	NO	9.765	NO
2	26	PFDS	598.8 > 80	2.46e3	1.97e4	5.44	5.44	1.56	9.79	97.9	NO	1.828	NO
3	27	PFDoA	612.9 > 56...	1.80e4	1.86e4	5.67	5.67	12.1	9.45	94.5	NO	8.244	NO
4	28	N-MeFOSA	512.1 > 16...	5.08e3	1.36e4	5.83	5.83	56.1	51.3	102.6	NO	1.535	NO
5	29	PFTrDA	662.9 > 61...	2.22e4	1.86e4	5.92	5.92	14.9	10.9	108.8	NO	22.028	NO
6	30	PFTeDA	712.9 > 66...	1.73e4	1.45e4	6.14	6.14	15.0	12.6	125.8	NO	12.607	NO
7	31	N-EtFOSA	526.1 > 16...	5.51e3	1.89e4	6.24	6.24	43.7	49.6	99.2	NO	1.503	NO
8	32	PFHxDA	813.1 > 76...	1.42e4	1.02e4	6.48	6.47	6.97	10.4	104.3	NO	29.922	NO
9	33	PFODA	913.1 > 86...	1.85e4	1.02e4	6.71	6.71	9.06	11.4	113.6	NO		
10	34	N-MeFOSE	616.1 > 58.9	3.50e3	1.13e4	6.41	6.41	46.5	50.4	100.7	NO		
11	35	N-EtFOSE	630.1 > 58.9	4.34e3	1.10e4	6.56	6.55	59.5	49.3	98.7	NO		
12	36	13C3-PFBA	216.1 > 17...	7.87e3	8.80e3	0.894	1.33	1.33	11.2	100.0	NO		
13	37	13C3-PFPeA	266. > 221.8	1.22e4	1.45e4	0.886	2.32	2.32	10.5	94.9	NO		
14	38	13C3-PFBS	302. > 98.8	1.54e3	1.45e4	0.109	2.61	2.61	1.33	12.2	97.9	NO	
15	39	13C2-4:2 FTS	329.2>308.9	2.82e3	1.45e4	0.231	3.02	3.02	2.44	10.6	84.6	NO	
16	40	13C2-PFHxA	315 > 269.8	4.06e3	1.45e4	0.731	3.10	3.10	3.51	4.80	95.9	NO	
17	41	13C4-PFHpA	367.2 > 32...	1.11e4	1.45e4	0.761	3.72	3.72	9.63	12.6	101.2	NO	
18	42	18O2-PFHxS	403.0 > 10...	1.27e3	3.05e3	0.436	3.87	3.88	5.20	11.9	95.3	NO	
19	43	13C2-6:2 FTS	429.1 > 40...	2.80e3	1.27e4	0.267	4.19	4.19	2.75	10.3	82.4	NO	
20	44	13C2-PFOA	414.9 > 36...	1.89e4	1.27e4	1.601	4.25	4.25	18.5	11.6	92.6	NO	
21	45	13C5-PFNA	468.2 > 42...	1.44e4	1.65e4	0.953	4.69	4.69	10.9	11.5	91.8	NO	
22	46	13C8-PFOSA	506.1 > 77.7	3.84e3	2.44e4	0.178	4.75	4.75	1.97	11.0	88.3	NO	
23	47	13C8-PFOS	507.0 > 79.9	3.31e3	2.90e3	1.064	4.77	4.78	14.3	13.4	107.4	NO	
24	48	13C2-PFDA	515.1 > 46...	1.91e4	1.91e4	1.032	5.06	5.06	12.5	12.1	96.9	NO	
25	49	13C2-8:2 FTS	529.1 > 50...	2.61e3	1.45e4	0.215	5.03	5.03	2.26	10.5	84.1	NO	
26	50	d3-N-MeFOSAA	573.3 > 419	3.00e3	2.44e4	0.134	5.21	5.21	1.54	11.5	91.9	NO	
27	51	d5-N-EtFOSAA	589.3 > 419	4.39e3	2.44e4	0.177	5.37	5.37	2.25	12.7	101.5	NO	
28	52	13C2-PFUdA	565 > 519.8	1.97e4	2.44e4	0.948	5.39	5.39	10.1	10.7	85.3	NO	
29	53	13C2-PFDoA	615.0 > 56...	1.86e4	1.91e4	1.114	5.67	5.67	12.2	10.9	87.3	NO	
30	54	d3-N-MeFOSA	515.2 > 16...	1.36e4	2.44e4	0.054	5.85	5.85	6.97	130	86.4	NO	
31	55	13C2-PFTeDA	714.8 > 66...	1.45e4	2.44e4	0.860	6.14	6.14	7.42	8.63	69.1	NO	
32	56	d5-N-ETFOSA	531.1 > 16...	1.89e4	2.44e4	0.073	6.26	6.26	9.69	132	87.9	NO	

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-40.qld

Last Altered: Thursday, May 31, 2018 13:09:28 Pacific Daylight Time

Printed: Thursday, May 31, 2018 13:10:13 Pacific Daylight Time

Name: 180529M1_40, Date: 30-May-2018, Time: 00:33:10, ID: ST180529M1-11 PFC CS3 18E2207, Description: PFC CS3 18E2207

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
33	57 13C2-PFHxDA	815 > 769.7	1.02e4	2.44e4	1.257	6.48	6.47	5.23	4.16	83.3	NO		
34	58 d7-N-MeFOSE	623.1 > 58.9	1.13e4	2.44e4	0.050	6.40	6.39	5.78	116	77.2	NO		
35	59 d9-N-EtFOSE	639.2 > 58.8	1.10e4	2.44e4	0.046	6.54	6.54	5.61	122	81.6	NO		
36	60 13C4-PFBA	217. > 171.8	8.80e3	8.80e3	1.000	1.33	1.33	12.5	12.5	100.0	NO		
37	61 13C5-PFHxA	318 > 272.9	1.45e4	1.45e4	1.000	3.10	3.10	12.5	12.5	100.0	NO		
38	62 13C3-PFHxS	401.9 > 79.9	3.05e3	3.05e3	1.000	3.87	3.88	12.5	12.5	100.0	NO		
39	63 13C8-PFOA	421.3 > 376	1.27e4	1.27e4	1.000	4.25	4.25	12.5	12.5	100.0	NO		
40	64 13C9-PFNA	472.2 > 42...	1.65e4	1.65e4	1.000	4.69	4.69	12.5	12.5	100.0	NO		
41	65 13C4-PFOS	503 > 79.9	2.90e3	2.90e3	1.000	4.77	4.78	12.5	12.5	100.0	NO		
42	66 13C6-PFDA	519.1 > 47...	1.91e4	1.91e4	1.000	5.06	5.06	12.5	12.5	100.0	NO		
43	67 13C7-PFUdA	570.1 > 52...	2.44e4	2.44e4	1.000	5.39	5.39	12.5	12.5	100.0	NO		

Dataset: Untitled

Last Altered: Thursday, May 31, 2018 13:39:24 Pacific Daylight Time

Printed: Thursday, May 31, 2018 13:39:30 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180529M1_1	IPA	29-May-18	17:40:21
2	2 180529M1_2	ST180529M1-1 PFC CS-2 18E2202	29-May-18	17:50:51
3	3 180529M1_3	ST180529M1-2 PFC CS-1 18E2203	29-May-18	18:01:16
4	4 180529M1_4	ST180529M1-3 PFC CS0 18E2204	29-May-18	18:16:35
5	5 180529M1_5	ST180529M1-4 PFC CS1 18E2205	29-May-18	18:27:01
6	6 180529M1_6	ST180529M1-5 PFC CS2 18E2206	29-May-18	18:37:31
7	7 180529M1_7	ST180529M1-6 PFC CS3 18E2207	29-May-18	18:47:55
8	8 180529M1_8	ST180529M1-7 PFC CS4 18E2208	29-May-18	18:58:25
9	9 180529M1_9	ST180529M1-8 PFC CS5 18E2209	29-May-18	19:08:47
10	10 180529M1_10	ST180529M1-9 PFC CS6 18E2210	29-May-18	19:19:17
11	11 180529M1_11	ST180529M1-10 PFC CS7 18E2211	29-May-18	19:29:43
12	12 180529M1_12	IPA	29-May-18	19:40:13
13	13 180529M1_13	ICV180529M1-1 PFC 537 ICV 18E2901	29-May-18	19:50:43
14	14 180529M1_14	IPA	29-May-18	20:01:08
15	15 180529M1_15	B8E0208-MS1 Matrix Spike 0.12124	29-May-18	20:11:41
16	16 180529M1_16	B8E0208-MSD1 Matrix Spike Dup 0.1203	29-May-18	20:22:09
17	17 180529M1_17	B8E0208-MS2 Matrix Spike 0.12001	29-May-18	20:32:34
18	18 180529M1_18	B8E0208-MSD2 Matrix Spike Dup 0.117...	29-May-18	20:43:05
19	19 180529M1_19	1801023-01 KISWR-DUP1_052018 0.1...	29-May-18	20:53:29
20	20 180529M1_20	1801023-05 KISWR-FT007-011-052118...	29-May-18	21:03:59
21	21 180529M1_21	1801023-06 KISWR-FT007-013-052118...	29-May-18	21:14:23
22	22 180529M1_22	B8E0209-BS1 OPR 0.25	29-May-18	21:24:53
23	23 180529M1_23	B8E0209-BLK1 Method Blank 0.25	29-May-18	21:35:24
24	24 180529M1_24	1801014-01 EB1805161240GSC 0.24251	29-May-18	21:45:49
25	25 180529M1_25	1801014-02 EB1805161635GSC 0.25	29-May-18	21:56:19
26	26 180529M1_26	1801014-03 EB1805161740GSC 0.24898	29-May-18	22:06:44
27	27 180529M1_27	1801014-04 EB1805161810GSC 0.25112	29-May-18	22:17:15
28	28 180529M1_28	1801014-05 EB1805161835GSC 0.24641	29-May-18	22:27:39
29	29 180529M1_29	1800973-06RE1 Trip Blank 0.12177	29-May-18	22:38:10
30	30 180529M1_30	B8E0144-BS1 OPR 0.25	29-May-18	22:48:34
31	31 180529M1_31	B8E0144-BLK1 Method Blank 0.25	29-May-18	22:59:04
32	32 180529M1_32	1800669-01RE1 WR1804111725MK 0....	29-May-18	23:09:29

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Compound name: PFBA

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33	33 180529M1_33	1800945-14 PW-1 0.2403	29-May-18	23:19:59
34	34 180529M1_34	1800945-15 PW-2 0.25266	29-May-18	23:30:24
35	35 180529M1_35	1800945-16 PW-3 0.25308	29-May-18	23:40:55
36	36 180529M1_36	1800945-17 PW-4 0.24079	29-May-18	23:51:20
37	37 180529M1_37	1800945-18 PW-5 0.24096	30-May-18	00:01:50
38	38 180529M1_38	1800945-19 PW-6 0.24092	30-May-18	00:12:15
39	39 180529M1_39	IPA	30-May-18	00:22:45
40	40 180529M1_40	ST180529M1-11 PFC CS3 18E2207	30-May-18	00:33:10
41	41 180529M1_41	IPA	30-May-18	00:43:40
42	42 180529M1_42	1800945-20 DW-1 Zone 1 0.25969	30-May-18	00:54:10
43	43 180529M1_43	1800945-21 Equipment Blank 0.26067	30-May-18	01:04:35
44	44 180529M1_44	B8E0111-BS1 OPR 0.25	30-May-18	01:14:57
45	45 180529M1_45	B8E0111-BLK1 Method Blank 0.25	30-May-18	01:25:28
46	46 180529M1_46	1800933-01 FB1-180503 0.25896	30-May-18	01:35:50
47	47 180529M1_47	1800933-02 FB1-180504 0.25456	30-May-18	01:46:20
48	48 180529M1_48	1800933-03 QC-180504 0.25738	30-May-18	01:56:46
49	49 180529M1_49	1800933-04 QC1-180509 0.25707	30-May-18	02:07:16
50	50 180529M1_50	1800933-05 FB01-180509 0.26303	30-May-18	02:17:41
51	51 180529M1_51	1800933-06 FB02-180509 0.2582	30-May-18	02:28:12
52	52 180529M1_52	1800933-07 FB03-180509 0.2595	30-May-18	02:38:37
53	53 180529M1_53	1800933-08 FB1-180510 0.25555	30-May-18	02:49:07
54	54 180529M1_54	1800937-01 CL1TMW0118180503N 0.2...	30-May-18	02:59:32
55	55 180529M1_55	1800937-02 CL1TMW0405180504N 0....	30-May-18	03:09:54
56	56 180529M1_56	1800937-03 CL1SW0300180508N 0.25...	30-May-18	03:20:24
57	57 180529M1_57	1800937-04 CL1SW0400180508N 0.25...	30-May-18	03:30:54
58	58 180529M1_58	1800937-05 CL1SW0500180508N 0.25...	30-May-18	03:41:19
59	59 180529M1_59	1800937-06 CL1DR0100180508N 0.25...	30-May-18	03:51:50
60	60 180529M1_60	1800937-07 CL1DR0300180508N 0.2567	30-May-18	04:02:14
61	61 180529M1_61	IPA	30-May-18	04:12:45
62	62 180529M1_62	ST180529M1-12 PFC CS3 18E2207	30-May-18	04:23:15
63	63 180529M1_63	ST180529M1-13 PFC CS0 18E2204	30-May-18	04:33:40
64	64 180529M1_64	IPA	30-May-18	04:44:10
65	65 180529M1_65	1800937-08 CL1DR0200180509N 0.24...	30-May-18	04:54:36
66	66 180529M1_66	1800937-09 CL1SW0100180509N 0.25...	30-May-18	05:05:06
67	67 180529M1_67	1800937-10 CL1SW0200180509N 0.25...	30-May-18	05:15:30
68	68 180529M1_68	B8E0145-BS1 OPR 0.125	30-May-18	05:26:00

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Compound name: PFBA

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69	69 180529M1_69	B8E0145-BSD1 LCSD 0.125	30-May-18	05:36:30
70	70 180529M1_70	B8E0145-BLK1 Method Blank 0.125	30-May-18	05:46:54
71	71 180529M1_71	1800929-01 FOAM1805041520JLB 0.0...	30-May-18	05:57:25
72	72 180529M1_72	1800962-01 FOAM1805100915GSC 0....	30-May-18	06:07:56
73	73 180529M1_73	B8E0190-BS1 OPR 0.25	30-May-18	06:18:21
74	74 180529M1_74	B8E0190-BLK1 Method Blank 0.25	30-May-18	06:28:51
75	75 180529M1_75	1800935-01 CL1EF0100180509N 0.259...	30-May-18	06:39:16
76	76 180529M1_76	1800935-02 CL1CS0100180509N 0.03...	30-May-18	06:49:46
77	77 180529M1_77	1800935-03 CL1CW0100180509N 0.02...	30-May-18	07:00:12
78	78 180529M1_78	1800935-04 CL1MH0100180509N 0.02...	30-May-18	07:10:42
79	79 180529M1_79	IPA	30-May-18	07:21:12
80	80 180529M1_80	ST180529M1-14 PFC CS3 18E2207	30-May-18	07:31:38
81	81 180529M1_81	IPA	30-May-18	07:42:08
82	82 180529M1_82	B8E0147-BS1 OPR 0.25	30-May-18	07:52:38
83	83 180529M1_83	B8E0147-BLK1 Method Blank 0.25	30-May-18	08:03:03
84	84 180529M1_84	1800930-01 WT1805091240GSC 0.2551	30-May-18	08:13:33
85	85 180529M1_85	1800930-02 WR1805091255GSC 0.25...	30-May-18	08:23:58
86	86 180529M1_86	1800930-03 WT1805091300GSC 0.259...	30-May-18	08:34:29
87	87 180529M1_87	1800930-04 WT1805091305GSC 0.258...	30-May-18	08:44:59
88	88 180529M1_88	1800930-05 WT1805091320GSC 0.2601	30-May-18	08:55:24
89	89 180529M1_89	1800930-06 FB1805091325GSC 0.24857	30-May-18	09:05:54
90	90 180529M1_90	1800930-07 WT1805091340GSC 0.260...	30-May-18	09:16:19
91	91 180529M1_91	1800930-08 WT1805091350GSC 0.259...	30-May-18	09:26:49
92	92 180529M1_92	1800930-09 WT1805091555GSC 0.256...	30-May-18	09:37:14
93	93 180529M1_93	1800930-10 WT1805100820GSC 0.256...	30-May-18	09:47:45
94	94 180529M1_94	1800930-11 WT1805100835GSC 0.257...	30-May-18	09:58:10
95	95 180529M1_95	IPA	30-May-18	10:08:40
96	96 180529M1_96	ST180529M1-15 PFC CS3 18E2207	30-May-18	10:19:04
97	97 180529M1_97	IPA	30-May-18	10:29:35
98	98 180529M1_98	1800930-12 WT1805100850GSC 0.257...	30-May-18	10:40:05
99	99 180529M1_99	B8E0148-BS1 OPR 0.25	30-May-18	10:50:30
100	1... 180529M1_100	B8E0148-BLK1 Method Blank 0.25	30-May-18	11:01:01
101	1... 180529M1_101	1800916-01 Field Blk 0.25181	30-May-18	11:11:25
102	1... 180529M1_102	1800916-02 050 0.25587	30-May-18	11:21:55
103	1... 180529M1_103	1800916-03 040 0.26465	30-May-18	11:32:20
104	1... 180529M1_104	1800916-04 030 0.26629	30-May-18	11:42:50

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Compound name: PFBA

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106	1... 180529M1_106	1800916-06 060 0.25974	30-May-18	12:03:46
107	1... 180529M1_107	1800916-07 020 0.26333	30-May-18	12:14:10
108	1... 180529M1_108	1800934-01 TG1SW0300180509N 0.25...	30-May-18	12:24:41
109	1... 180529M1_109	1800934-02 TG1SW0200180509N 0.25...	30-May-18	12:35:06
110	1... 180529M1_110	1800934-03 TG1SW0100180509N 0.23...	30-May-18	12:45:28
111	1... 180529M1_111	IPA	30-May-18	12:55:58
112	1... 180529M1_112	ST180529M1-16 PFC CS3 18E2207	30-May-18	13:06:23
113	1... 180529M1_113	IPA	30-May-18	13:16:54
114	1... 180529M1_114	B8E0097-BS1 OPR 0.25	30-May-18	13:27:22
115	1... 180529M1_115	B8E0097-BSD1 LCSD 0.25	30-May-18	13:37:49
116	1... 180529M1_116	B8E0097-BLK1 Method Blank 0.25	30-May-18	13:48:13
117	1... 180529M1_117	1800863-01 Bemidji Pilot APR2 lead 0.2...	30-May-18	13:58:43
118	1... 180529M1_118	1800863-02 Bemidji Pilot PSR2 + 0.26433	30-May-18	14:09:09
119	1... 180529M1_119	1800863-03 Bemidji Pilot INF 0.26399	30-May-18	14:19:39
120	1... 180529M1_120	1800901-01 ACT Sample -16 0.23838	30-May-18	14:30:04
121	1... 180529M1_121	1800901-02 ACT Sample -19 0.23487	30-May-18	14:40:35
122	1... 180529M1_122	B8E0099-BS1 OPR 0.25	30-May-18	14:50:59
123	1... 180529M1_123	B8E0099-BSD1 LCSD 0.25	30-May-18	15:01:29
124	1... 180529M1_124	B8E0099-BLK1 Method Blank 0.25	30-May-18	15:11:55
125	1... 180529M1_125	1800890-01 ACT Sample-10 0.24206	30-May-18	15:22:25
126	1... 180529M1_126	1800890-02 ACT Sample-13 0.23172	30-May-18	15:32:49
127	1... 180529M1_127	1800905-08@5X MW-19 0.25231	30-May-18	15:43:20
128	1... 180529M1_128	1800905-10@5X MW-28 0.24805	30-May-18	15:53:44
129	1... 180529M1_129	1800886-01@5X WT1805011500KE 0.27	30-May-18	16:04:15
130	1... 180529M1_130	IPA	30-May-18	16:14:40
131	1... 180529M1_131	ST180529M1-17 PFC CS3 18E2207	30-May-18	16:25:10
132	1... 180529M1_132	IPA	30-May-18	16:35:34

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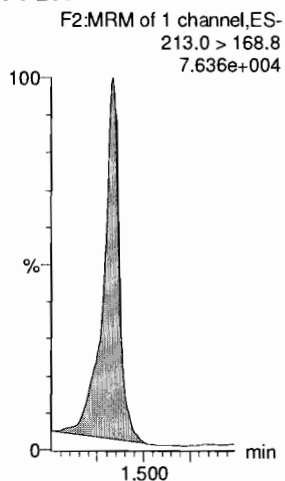
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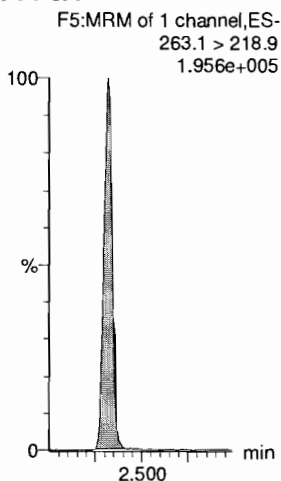
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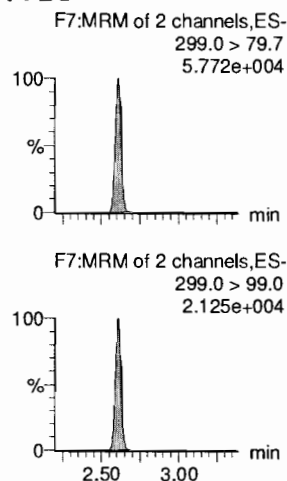
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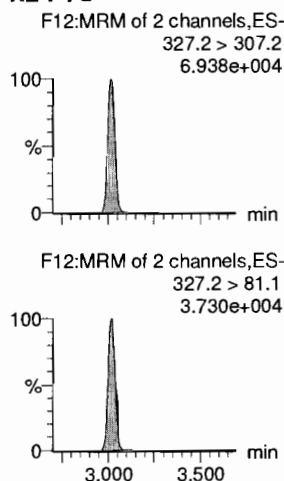
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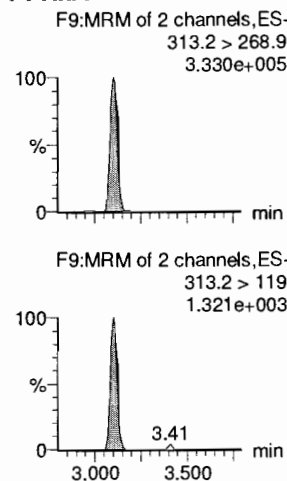
PFBS



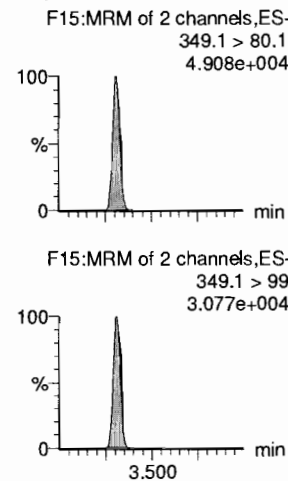
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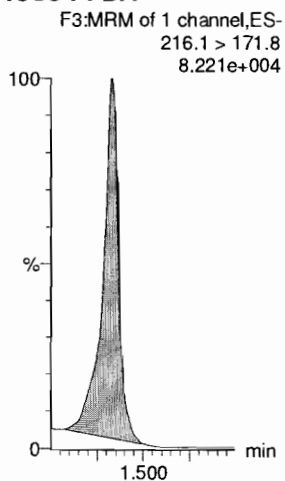
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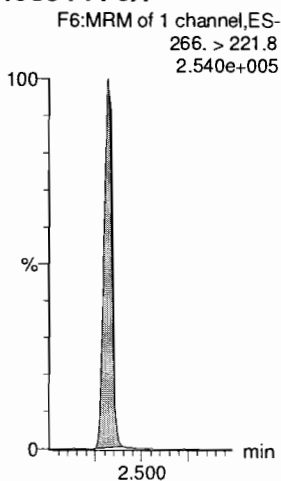
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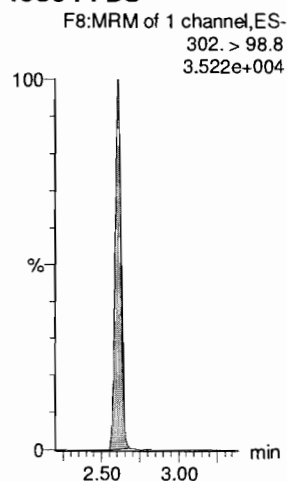
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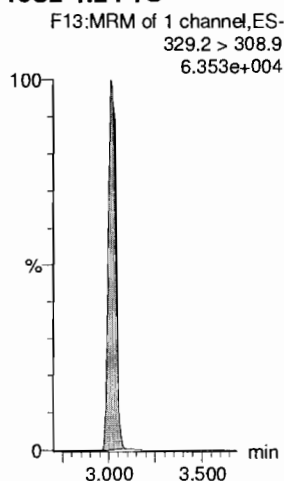
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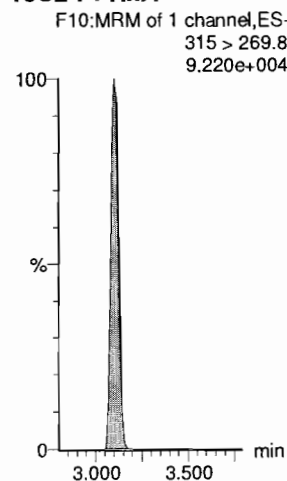
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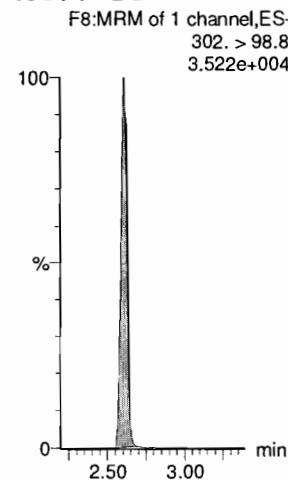
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13C2-PFHxA



13C3-PFBS

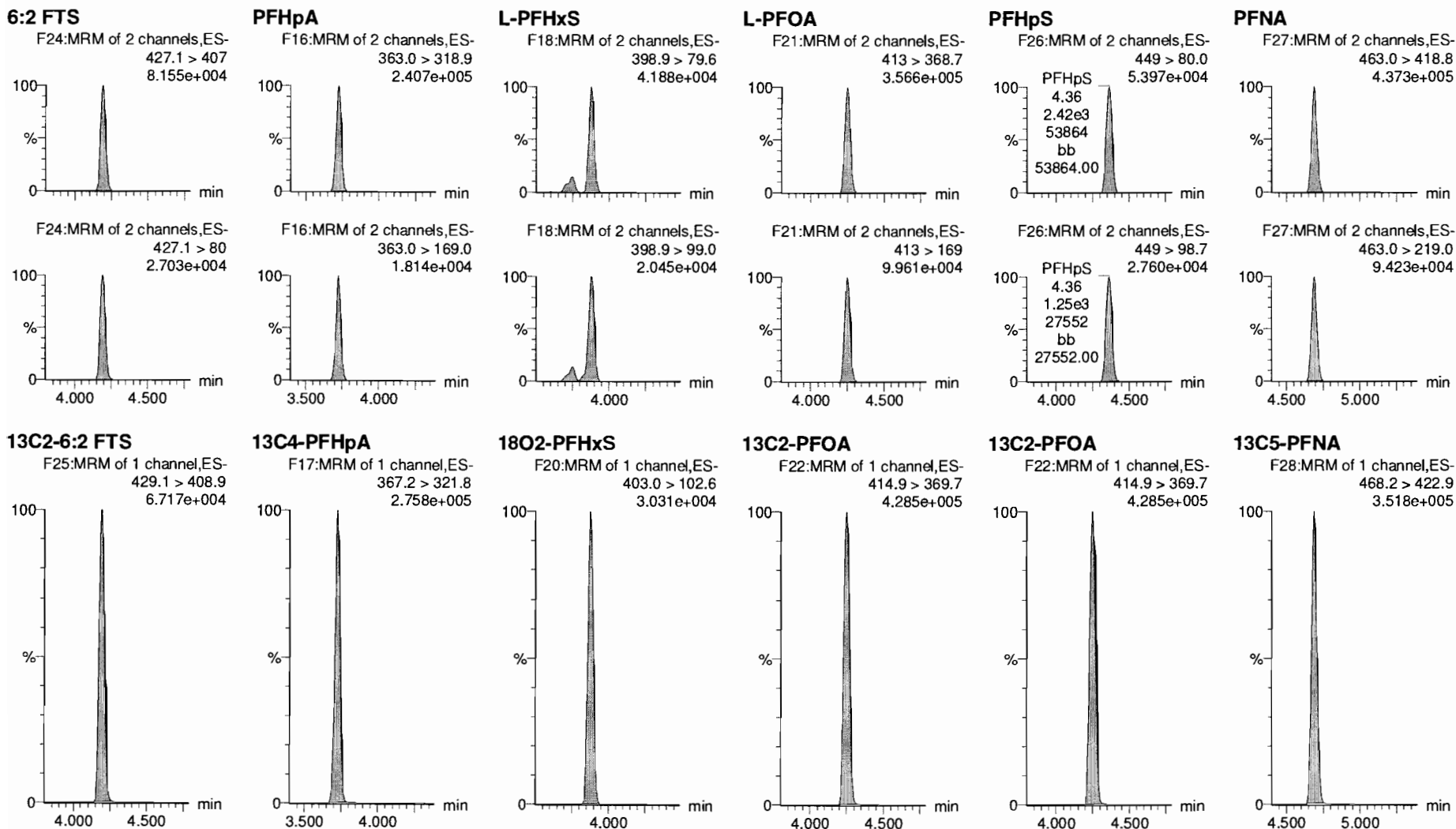


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Printed: Thursday, May 31, 2018 13:10:13 Pacific Daylight Time

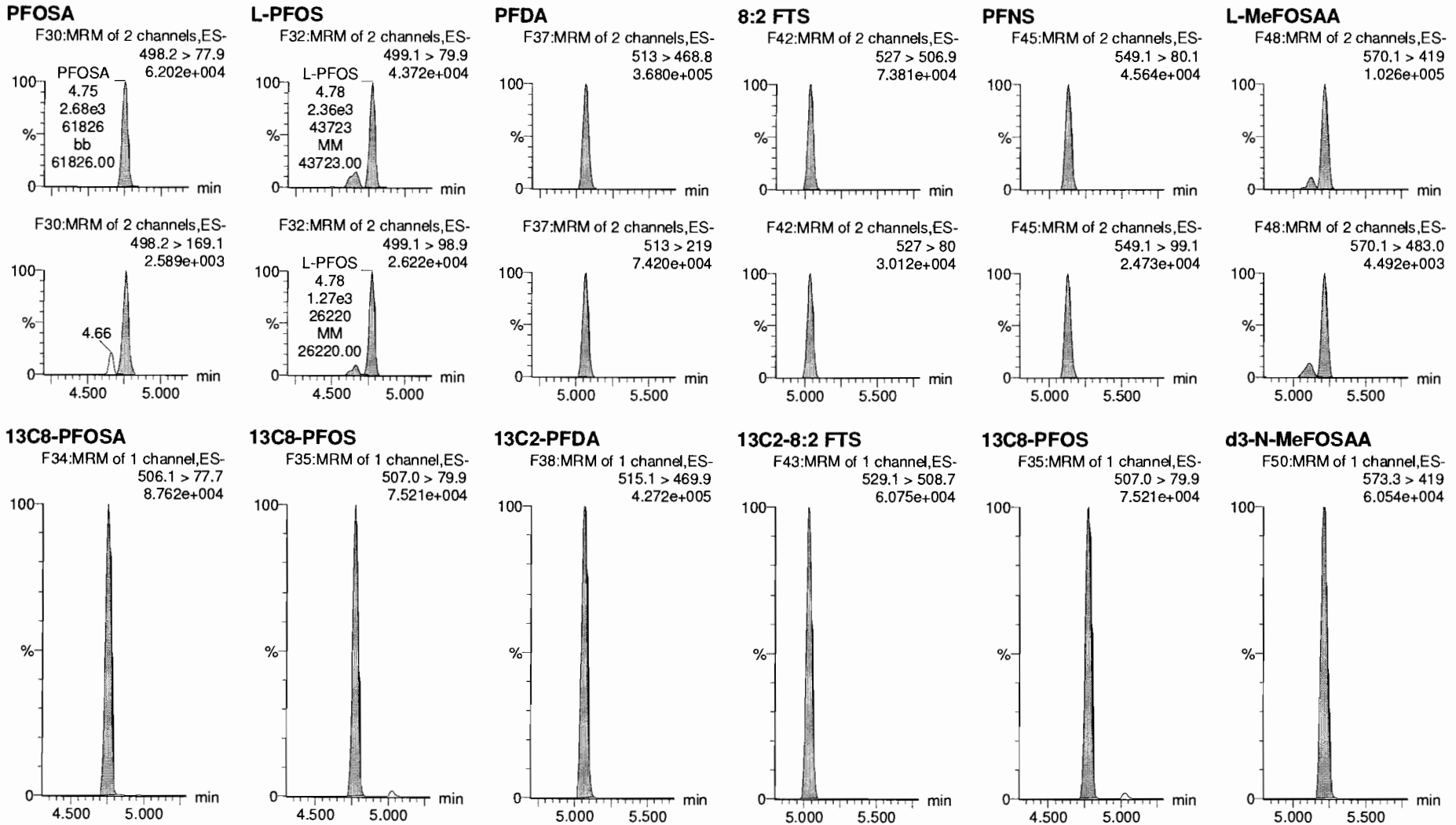
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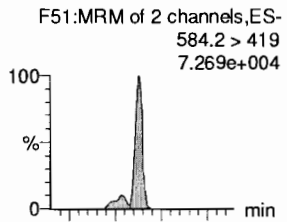
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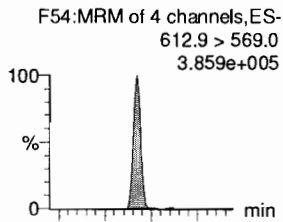
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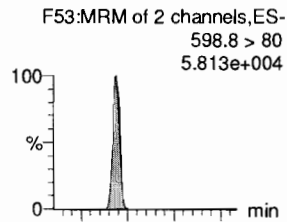
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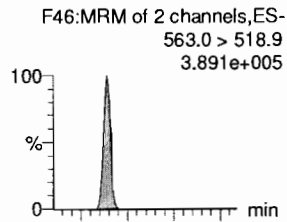
PFDoA



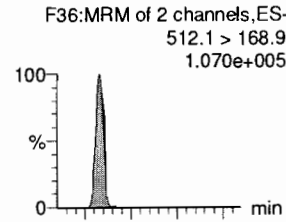
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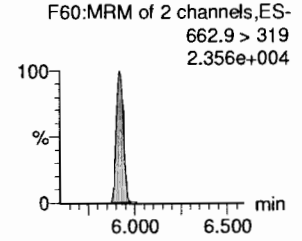
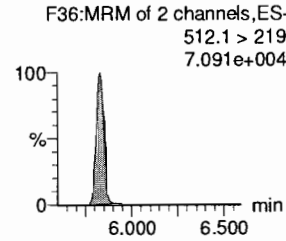
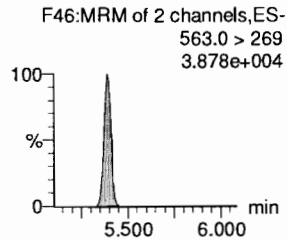
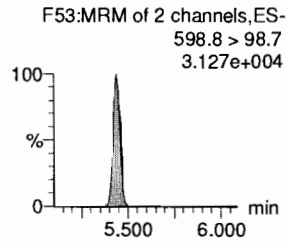
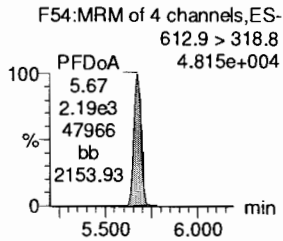
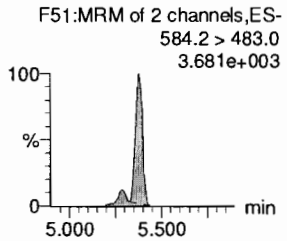
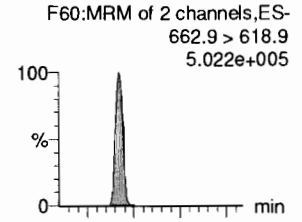
PFUdA



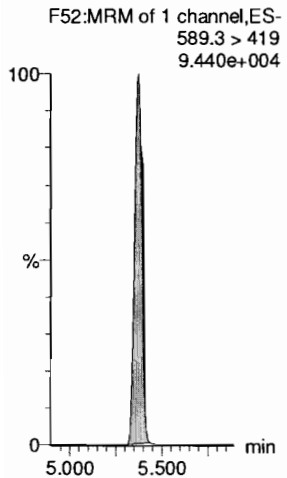
N-MeFOSA



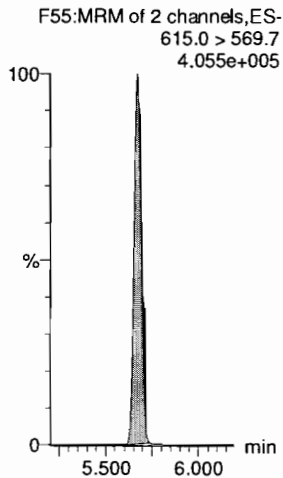
PFTTrDA



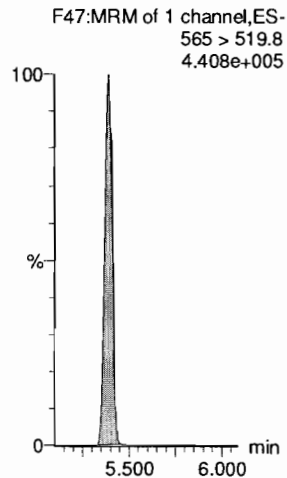
d5-N-EtFOSAA



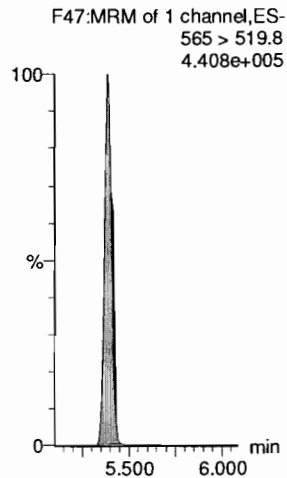
13C2-PFDoA



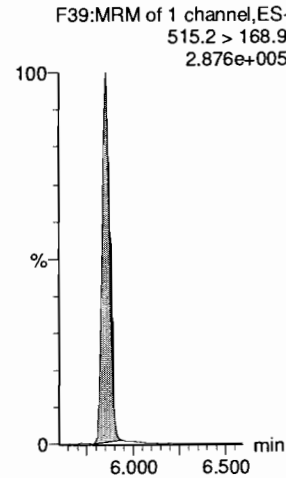
13C2-PFUdA



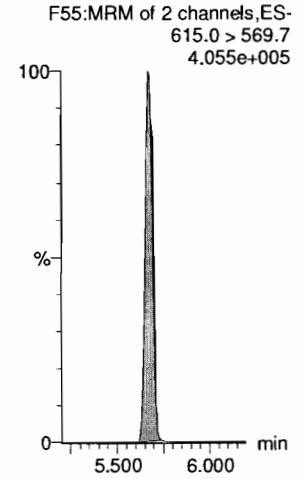
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



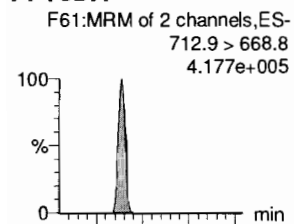
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-40.qld

Last Altered: Thursday, May 31, 2018 13:09:28 Pacific Daylight Time

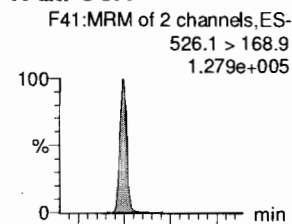
Printed: Thursday, May 31, 2018 13:10:13 Pacific Daylight Time

Name: 180529M1_40, Date: 30-May-2018, Time: 00:33:10, ID: ST180529M1-11 PFC CS3 18E2207, Description: PFC CS3 18E2207

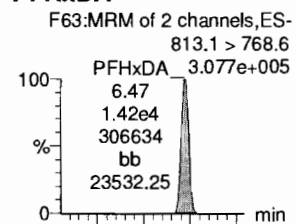
PFTeDA



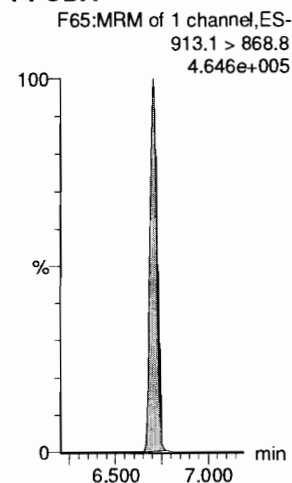
N-EtFOFA



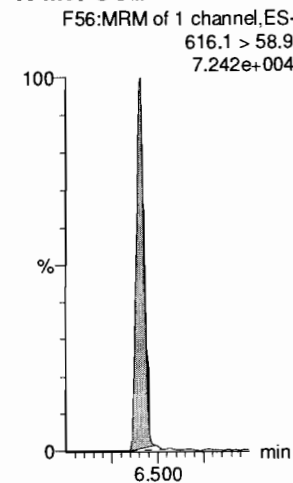
PFHxDA



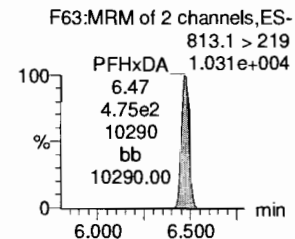
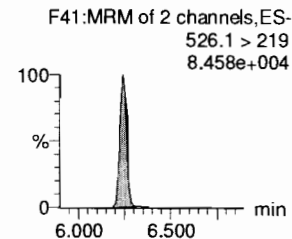
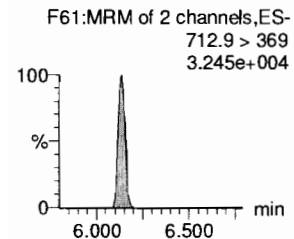
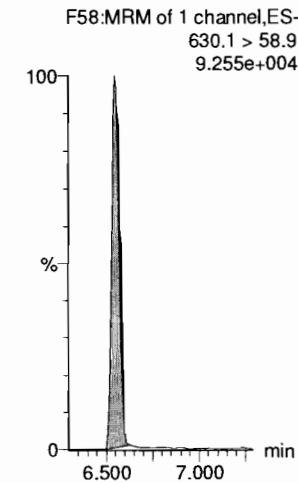
PFODA



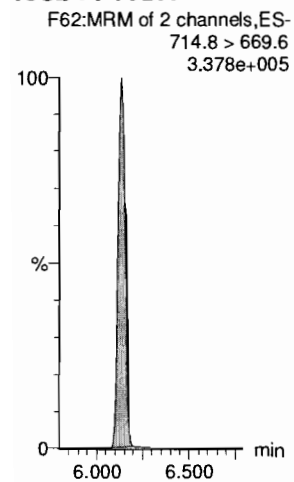
N-MeFOSE



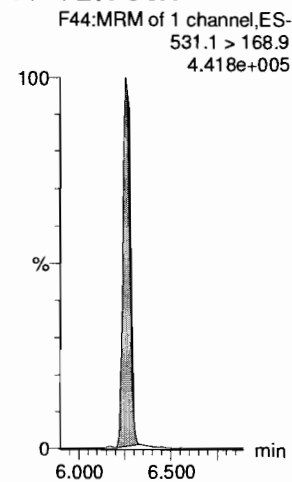
N-EtFOSE



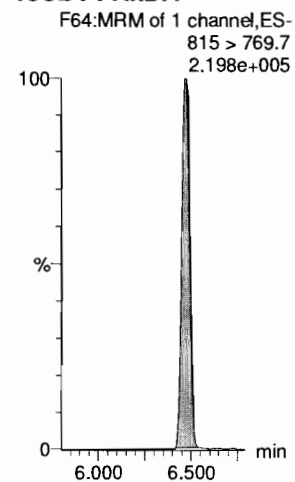
13C2-PFTeDA



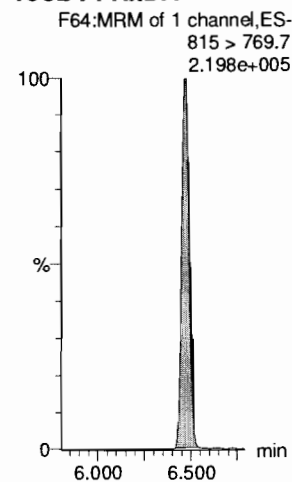
d5-N-ETFOSA



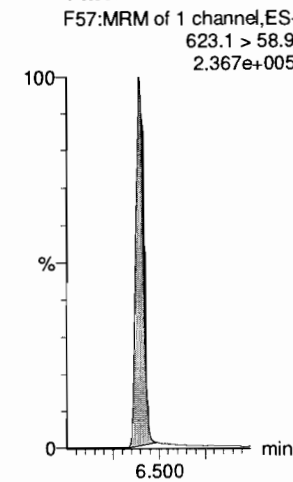
13C2-PFHxDA



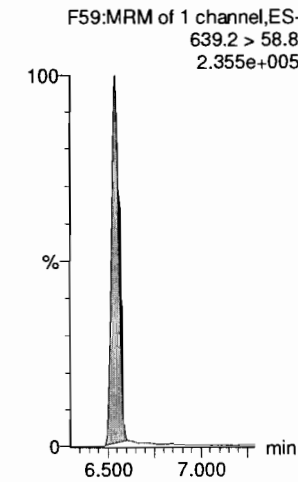
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-40.qld

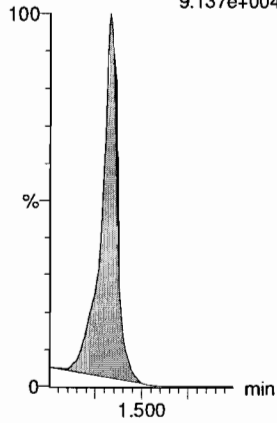
Last Altered: Thursday, May 31, 2018 13:09:28 Pacific Daylight Time

Printed: Thursday, May 31, 2018 13:10:13 Pacific Daylight Time

Name: 180529M1_40, Date: 30-May-2018, Time: 00:33:10, ID: ST180529M1-11 PFC CS3 18E2207, Description: PFC CS3 18E2207

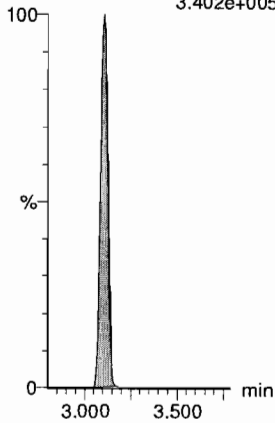
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
9.137e+004



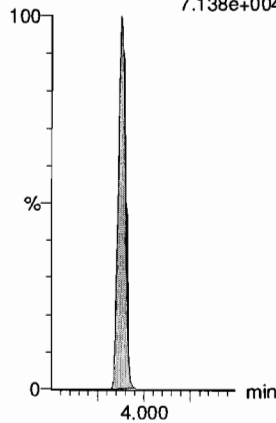
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
3.402e+005



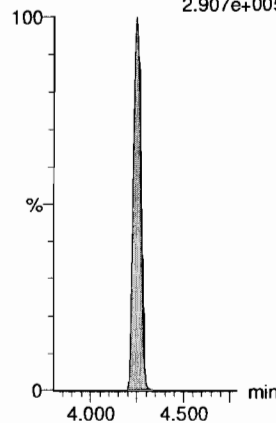
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
7.138e+004



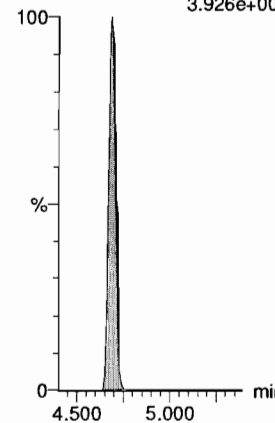
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
2.907e+005



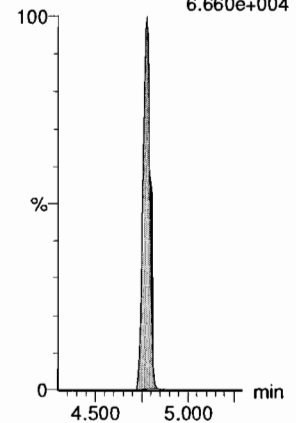
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
3.926e+005



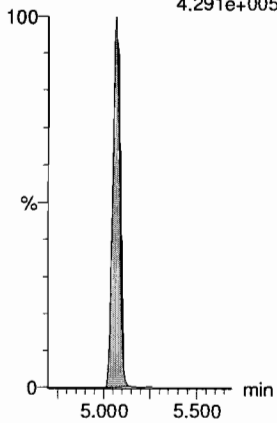
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
6.660e+004



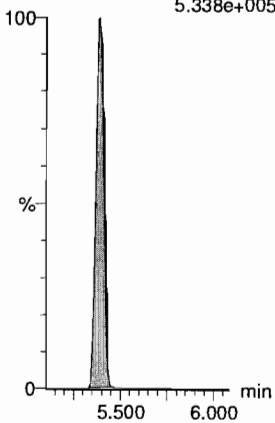
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.291e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.338e+005



INITIAL CALIBRATION

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:06:29 Pacific Daylight Time

High pt
 250
 ↓
 100
 ↓

Low pt
 0.5
 ↓

- L-PFOS
- PFOS
- L-PFA₇S
- 4:2FTS
- 6:2FTS
- 8:2FTS

- PFH₂S
- 8:2FTS

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 08:35:39

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Compound name: PFBA

Correlation coefficient: $r = 0.999873$, $r^2 = 0.999745$

Calibration curve: $1.16543 * x + -0.0177598$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

KB 5/30/18

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	1.33	186.666	7459.412	0.313	0.3	13.5	NO	1.000	NO	MM
2	2 180529M1_3	Standard	0.500	1.33	299.996	7337.752	0.511	0.5	-9.3	NO	1.000	NO	MM
3	3 180529M1_4	Standard	1.000	1.37	614.518	6836.380	1.124	1.0	-2.1	NO	1.000	NO	bb
4	4 180529M1_5	Standard	2.000	1.33	1269.449	7197.958	2.205	1.9	-4.7	NO	1.000	NO	bb
5	5 180529M1_6	Standard	5.000	1.33	3453.834	7778.198	5.551	4.8	-4.4	NO	1.000	NO	bb
6	6 180529M1_7	Standard	10.000	1.33	7473.554	7982.990	11.702	10.1	0.6	NO	1.000	NO	bb
7	7 180529M1_8	Standard	50.000	1.33	36750.215	7814.781	58.783	50.5	0.9	NO	1.000	NO	bb
8	8 180529M1_9	Standard	100.000	1.33	73869.633	8098.062	114.024	97.9	-2.1	NO	1.000	NO	bb
9	9 180529M1_10	Standard	250.000	1.33	182004.500	7635.225	297.968	255.7	2.3	NO	1.000	NO	bb
10	10 180529M1_11	Standard	500.000	1.33	357748.625	7731.734	578.377	496.3	-0.7	NO	1.000	NO	bb

Compound name: PFPeA

Correlation coefficient: $r = 0.999947$, $r^2 = 0.999893$

Calibration curve: $1.01435 * x + 0.0279996$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

JAR 5/30/18

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	2.32	265.109	11790.347	0.281	0.2	-0.2	NO	1.000	NO	bb
2	2 180529M1_3	Standard	0.500	2.31	512.282	12179.170	0.526	0.5	-1.9	NO	1.000	NO	bb
3	3 180529M1_4	Standard	1.000	2.31	868.639	11227.229	0.967	0.9	-7.4	NO	1.000	NO	bb
4	4 180529M1_5	Standard	2.000	2.31	1921.119	11299.667	2.125	2.1	3.4	NO	1.000	NO	bb
5	5 180529M1_6	Standard	5.000	2.32	4992.881	12019.618	5.192	5.1	1.8	NO	1.000	NO	bb
6	6 180529M1_7	Standard	10.000	2.31	10159.522	12266.776	10.353	10.2	1.8	NO	1.000	NO	bb
7	7 180529M1_8	Standard	50.000	2.31	50301.223	12102.896	51.952	51.2	2.4	NO	1.000	NO	bb
8	8 180529M1_9	Standard	100.000	2.31	94260.984	11629.019	101.321	99.9	-0.1	NO	1.000	NO	bb
9	9 180529M1_10	Standard	250.000	2.32	225932.625	11023.266	256.200	252.5	1.0	NO	1.000	NO	bb
10	10 180529M1_11	Standard	500.000	2.31	427449.500	10616.198	503.299	496.2	-0.8	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:06:29 Pacific Daylight Time

Compound name: PFBS

Coefficient of Determination: R² = 0.999397

Calibration curve: 3.92231e-006 * x² + 2.09026 * x + -0.0978358

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	2.61	59.032	1481.547	0.498	0.3	14.0	NO	0.999	NO	MM
2	2 180529M1_3	Standard	0.500	2.61	109.982	1528.862	0.899	0.5	-4.6	NO	0.999	NO	bb
3	3 180529M1_4	Standard	1.000	2.59	233.333	1435.706	2.032	1.0	1.9	NO	0.999	NO	bb
4	4 180529M1_5	Standard	2.000	2.61	461.999	1499.426	3.851	1.9	-5.5	NO	0.999	NO	bb
5	5 180529M1_6	Standard	5.000	2.61	1226.171	1443.605	10.617	5.1	2.5	NO	0.999	NO	bb
6	6 180529M1_7	Standard	10.000	2.61	2422.147	1533.260	19.747	9.5	-5.1	NO	0.999	NO	bb
7	7 180529M1_8	Standard	50.000	2.61	12059.276	1479.620	101.878	48.8	-2.4	NO	0.999	NO	bb
8	8 180529M1_9	Standard	100.000	2.61	23007.104	1428.237	201.359	96.4	-3.6	NO	0.999	NO	bb
9	9 180529M1_10	Standard	250.000	2.61	54210.469	1251.728	541.356	258.9	3.6	NO	0.999	NO	bb
10	10 180529M1_11	Standard	500.000	2.61	98712.719	1188.177	1038.489	496.4	-0.7	NO	0.999	NO	bb

Compound name: 4:2 FTS

Coefficient of Determination: R² = 0.999866

Calibration curve: -0.00421006 * x² + 1.29211 * x + -0.035748

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	3.01	68.636	2954.015	0.290	0.3	1.1	NO	1.000	NO	bb
2	2 180529M1_3	Standard	0.500	3.01	153.143	2995.730	0.639	0.5	4.6	NO	1.000	NO	bb
3	3 180529M1_4	Standard	1.000	3.01	278.632	2790.109	1.248	1.0	-0.3	NO	1.000	NO	bb
4	4 180529M1_5	Standard	2.000	3.02	571.013	2952.033	2.418	1.9	-4.5	NO	1.000	NO	bb
5	5 180529M1_6	Standard	5.000	3.02	1463.797	2891.322	6.328	5.0	0.1	NO	1.000	NO	bb
6	6 180529M1_7	Standard	10.000	3.02	2889.397	2951.717	12.236	9.8	-1.9	NO	1.000	NO	bb
7	7 180529M1_8	Standard	50.000	3.01	14551.467	3331.165	54.604	50.6	1.3	NO	1.000	NO	bb
8	8 180529M1_9	Standard	100.000	3.02	25556.670	3679.540	86.820	99.4	-0.6	NO	1.000	NO	bb
9	9 180529M1_10	Standard	250.000	3.02	58024.738	4530.947	160.079			NO	1.000	NO	bbXI
10	10 180529M1_11	Standard	500.000	3.02	99696.492	5907.397	210.957			NO	1.000	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.998817$

Calibration curve: $-0.000338085 * x^2 + 1.75941 * x + -0.00603483$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	3.10	305.911	3533.743	0.433	0.2	-0.2	NO	0.999	NO	bb
2	2 180529M1_3	Standard	0.500	3.10	699.203	4134.404	0.846	0.5	-3.2	NO	0.999	NO	bb
3	3 180529M1_4	Standard	1.000	3.09	1272.196	3660.174	1.738	1.0	-0.9	NO	0.999	NO	bb
4	4 180529M1_5	Standard	2.000	3.10	2740.427	3757.792	3.646	2.1	3.8	NO	0.999	NO	bb
5	5 180529M1_6	Standard	5.000	3.10	7326.302	4098.882	8.937	5.1	1.8	NO	0.999	NO	bb
6	6 180529M1_7	Standard	10.000	3.10	13913.771	3843.983	18.098	10.3	3.1	NO	0.999	NO	bb
7	7 180529M1_8	Standard	50.000	3.10	63454.234	4108.127	77.230	44.3	-11.4	NO	0.999	NO	bb
8	8 180529M1_9	Standard	100.000	3.10	138299.594	3799.950	181.976	105.6	5.6	NO	0.999	NO	bb
9	9 180529M1_10	Standard	250.000	3.10	307596.844	3662.803	419.893	250.7	0.3	NO	0.999	NO	bb
10	10 180529M1_11	Standard	500.000	3.10	591375.438	3725.507	793.685	498.9	-0.2	NO	0.999	NO	bb

Compound name: PFPeS

Correlation coefficient: $r = 0.999744$, $r^2 = 0.999488$

Calibration curve: $1.85711 * x + -0.0299047$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	3.30	50.985	1481.547	0.430	0.2	-0.9	NO	0.999	NO	MM
2	2 180529M1_3	Standard	0.500	3.30	107.475	1528.862	0.879	0.5	-2.1	NO	0.999	NO	MM
3	3 180529M1_4	Standard	1.000	3.30	223.074	1435.706	1.942	1.1	6.2	NO	0.999	NO	bb
4	4 180529M1_5	Standard	2.000	3.30	432.047	1499.426	3.602	2.0	-2.2	NO	0.999	NO	bb
5	5 180529M1_6	Standard	5.000	3.31	1062.079	1443.605	9.196	5.0	-0.6	NO	0.999	NO	bb
6	6 180529M1_7	Standard	10.000	3.31	2284.991	1533.260	18.629	10.0	0.5	NO	0.999	NO	bb
7	7 180529M1_8	Standard	50.000	3.31	10969.714	1479.620	92.673	49.9	-0.2	NO	0.999	NO	bb
8	8 180529M1_9	Standard	100.000	3.31	20592.850	1428.237	180.230	97.1	-2.9	NO	0.999	NO	bb
9	9 180529M1_10	Standard	250.000	3.31	48116.754	1251.728	480.503	258.8	3.5	NO	0.999	NO	bb
10	10 180529M1_11	Standard	500.000	3.31	87244.250	1188.177	917.837	494.2	-1.2	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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Compound name: PFHpA

Correlation coefficient: $r = 0.999012$, $r^2 = 0.998025$

Calibration curve: $1.25866 * x + 0.0257688$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	3.72	207.623	9696.298	0.268	0.2	-23.1	NO	0.998	NO	bb
2	2 180529M1_3	Standard	0.500	3.72	637.852	10605.583	0.752	0.6	15.4	NO	0.998	NO	bb
3	3 180529M1_4	Standard	1.000	3.72	1042.170	9683.286	1.345	1.0	4.8	NO	0.998	NO	bb
4	4 180529M1_5	Standard	2.000	3.72	2045.942	10167.767	2.515	2.0	-1.1	NO	0.998	NO	bb
5	5 180529M1_6	Standard	5.000	3.72	5171.784	10273.345	6.293	5.0	-0.4	NO	0.998	NO	bb
6	6 180529M1_7	Standard	10.000	3.72	11322.965	10660.320	13.277	10.5	5.3	NO	0.998	NO	bb
7	7 180529M1_8	Standard	50.000	3.72	52438.703	10828.946	60.531	48.1	-3.9	NO	0.998	NO	bb
8	8 180529M1_9	Standard	100.000	3.72	93892.281	9406.318	124.773	99.1	-0.9	NO	0.998	NO	bb
9	9 180529M1_10	Standard	250.000	3.72	253867.859	9430.437	336.501	267.3	6.9	NO	0.998	NO	bb
10	10 180529M1_11	Standard	500.000	3.72	445636.656	9125.946	610.398	484.9	-3.0	NO	0.998	NO	bb

Compound name: L-PFHxS

Correlation coefficient: $r = 0.999763$, $r^2 = 0.999526$

Calibration curve: $1.87557 * x + -0.00390552$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	3.87	50.803	1209.131	0.525	0.3	12.8	NO	1.000	NO	MM
2	2 180529M1_3	Standard	0.500	3.87	87.353	1303.999	0.837	0.4	-10.3	NO	1.000	NO	MM
3	3 180529M1_4	Standard	1.000	3.87	156.186	1151.428	1.696	0.9	-9.4	NO	1.000	NO	MM
4	4 180529M1_5	Standard	2.000	3.87	403.783	1226.867	4.114	2.2	9.8	NO	1.000	NO	MM
5	5 180529M1_6	Standard	5.000	3.88	1012.621	1314.823	9.627	5.1	2.7	NO	1.000	NO	MM
6	6 180529M1_7	Standard	10.000	3.87	1916.884	1298.689	18.450	9.8	-1.6	NO	1.000	NO	MM
7	7 180529M1_8	Standard	50.000	3.87	9709.751	1362.919	89.053	47.5	-5.0	NO	1.000	NO	MM
8	8 180529M1_9	Standard	100.000	3.88	19005.924	1266.209	187.626	100.0	0.0	NO	1.000	NO	MM
9	9 180529M1_10	Standard	250.000	3.88	43750.148	1155.135	473.431	252.4	1.0	NO	1.000	NO	MM
10	10 180529M1_11	Standard	500.000	3.88	85362.438	1012.583	1053.771	561.8	12.4	NO	1.000	NO	MMX

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: 6:2 FTS

Coefficient of Determination: R² = 0.998198

Calibration curve: -0.00365674 * x² + 1.4433 * x + -0.00189642

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	4.20	89.876	2682.947	0.419	0.3	16.7	NO	0.998	NO	bb
2	2 180529M1_3	Standard	0.500	4.19	139.743	2923.620	0.597	0.4	-16.9	NO	0.998	NO	bb
3	3 180529M1_4	Standard	1.000	4.18	296.823	2771.012	1.339	0.9	-6.9	NO	0.998	NO	bb
4	4 180529M1_5	Standard	2.000	4.19	676.125	2782.181	3.038	2.1	5.9	NO	0.998	NO	bb
5	5 180529M1_6	Standard	5.000	4.19	1840.749	2942.733	7.819	5.5	9.9	NO	0.998	NO	bb
6	6 180529M1_7	Standard	10.000	4.19	2930.780	2894.054	12.659	9.0	-10.2	NO	0.998	NO	bb
7	7 180529M1_8	Standard	50.000	4.19	16445.025	3200.924	64.220	51.1	2.2	NO	0.998	NO	bb
8	8 180529M1_9	Standard	100.000	4.19	29652.652	3455.535	107.265	99.3	-0.7	NO	0.998	NO	bb
9	9 180529M1_10	Standard	250.000	4.19	64240.801	4880.551	164.533			NO	0.998	NO	bbXI
10	10 180529M1_11	Standard	500.000	4.19	111987.266	6312.868	221.744			NO	0.998	NO	bbXI

Compound name: L-PFOA

Coefficient of Determination: R² = 0.997985

Calibration curve: 2.39833e-005 * x² + 0.93871 * x + 0.053869

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	4.25	350.503	15769.672	0.278	0.2	-4.6	NO	0.998	NO	MM
2	2 180529M1_3	Standard	0.500	4.25	833.453	18166.381	0.573	0.6	10.7	NO	0.998	NO	bb
3	3 180529M1_4	Standard	1.000	4.24	1275.152	18302.676	0.871	0.9	-13.0	NO	0.998	NO	bb
4	4 180529M1_5	Standard	2.000	4.25	2663.817	18366.871	1.813	1.9	-6.3	NO	0.998	NO	bb
5	5 180529M1_6	Standard	5.000	4.25	6787.647	16843.838	5.037	5.3	6.2	NO	0.998	NO	bb
6	6 180529M1_7	Standard	10.000	4.25	13047.118	17924.299	9.099	9.6	-3.7	NO	0.998	NO	bb
7	7 180529M1_8	Standard	50.000	4.25	71215.781	16328.604	54.518	57.9	15.9	NO	0.998	NO	bb
8	8 180529M1_9	Standard	100.000	4.25	143521.438	19444.113	92.265	98.0	-2.0	NO	0.998	NO	bb
9	9 180529M1_10	Standard	250.000	4.25	321257.469	17742.816	226.329	239.6	-4.2	NO	0.998	NO	bb
10	10 180529M1_11	Standard	500.000	4.25	566566.188	14754.539	479.993	504.8	1.0	NO	0.998	NO	bb

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Compound name: PFHpS

Coefficient of Determination: R² = 0.997449

Calibration curve: 2.49741e-005 * x² + 0.143427 * x + 0.0178217

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	4.36	83.990	15769.672	0.067	0.3	36.0	YES	0.997	NO	bbX
2	2 180529M1_3	Standard	0.500	4.36	104.526	18166.381	0.072	0.4	-24.6	NO	0.997	NO	bb
3	3 180529M1_4	Standard	1.000	4.36	230.255	18302.676	0.157	1.0	-2.8	NO	0.997	NO	bb
4	4 180529M1_5	Standard	2.000	4.36	441.277	18366.871	0.300	2.0	-1.6	NO	0.997	NO	bb
5	5 180529M1_6	Standard	5.000	4.36	1076.757	16843.838	0.799	5.4	8.8	NO	0.997	NO	bb
6	6 180529M1_7	Standard	10.000	4.36	2297.168	17924.299	1.602	11.0	10.2	NO	0.997	NO	bb
7	7 180529M1_8	Standard	50.000	4.36	11172.302	16328.604	8.553	58.9	17.8	NO	0.997	NO	bb
8	8 180529M1_9	Standard	100.000	4.36	21560.672	19444.113	13.861	94.9	-5.1	NO	0.997	NO	bb
9	9 180529M1_10	Standard	250.000	4.36	51000.184	17742.816	35.930	240.3	-3.9	NO	0.997	NO	bb
10	10 180529M1_11	Standard	500.000	4.36	92946.055	14754.539	78.744	504.6	0.9	NO	0.997	NO	bb

Compound name: PFNA

Coefficient of Determination: R² = 0.999604

Calibration curve: 0.00034192 * x² + 1.31244 * x + 0.14014

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	4.68	394.978	13118.186	0.376	0.2	-28.0	NO	1.000	NO	bb
2	2 180529M1_3	Standard	0.500	4.68	820.722	13788.307	0.744	0.5	-8.0	NO	1.000	NO	bb
3	3 180529M1_4	Standard	1.000	4.68	1435.344	12409.215	1.446	1.0	-0.5	NO	1.000	NO	bb
4	4 180529M1_5	Standard	2.000	4.68	3240.638	12443.195	3.255	2.4	18.6	NO	1.000	NO	bb
5	5 180529M1_6	Standard	5.000	4.69	8027.932	13761.558	7.292	5.4	8.8	NO	1.000	NO	bb
6	6 180529M1_7	Standard	10.000	4.68	16260.845	13720.624	14.814	11.1	11.5	NO	1.000	NO	bb
7	7 180529M1_8	Standard	50.000	4.68	75618.016	14665.924	64.450	48.4	-3.2	NO	1.000	NO	bb
8	8 180529M1_9	Standard	100.000	4.68	161445.484	14678.496	137.485	101.9	1.9	NO	1.000	NO	bb
9	9 180529M1_10	Standard	250.000	4.69	366101.531	13286.236	344.437	246.5	-1.4	NO	1.000	NO	bb
10	10 180529M1_11	Standard	500.000	4.69	664730.625	11167.079	744.074	501.3	0.3	NO	1.000	NO	bb

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Compound name: PFOSA

Correlation coefficient: $r = 0.998654$, $r^2 = 0.997310$

Calibration curve: $0.843528 * x + 0.0110592$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	4.75	76.002	3619.283	0.262	0.3	19.2	NO	0.997	NO	bb
2	2 180529M1_3	Standard	0.500	4.75	130.551	3677.560	0.444	0.5	2.6	NO	0.997	NO	bb
3	3 180529M1_4	Standard	1.000	4.75	280.320	4088.731	0.857	1.0	0.3	NO	0.997	NO	bb
4	4 180529M1_5	Standard	2.000	4.75	389.564	3655.070	1.332	1.6	-21.7	NO	0.997	NO	bb
5	5 180529M1_6	Standard	5.000	4.75	1197.984	3543.881	4.226	5.0	-0.1	NO	0.997	NO	bb
6	6 180529M1_7	Standard	10.000	4.75	2477.843	3834.814	8.077	9.6	-4.4	NO	0.997	NO	bb
7	7 180529M1_8	Standard	50.000	4.75	12743.252	3737.479	42.620	50.5	1.0	NO	0.997	NO	bb
8	8 180529M1_9	Standard	100.000	4.75	24119.482	3621.935	83.241	98.7	-1.3	NO	0.997	NO	bb
9	9 180529M1_10	Standard	250.000	4.75	57723.375	3166.783	227.847	270.1	8.0	NO	0.997	NO	bb
10	10 180529M1_11	Standard	500.000	4.75	102204.695	3145.173	406.197	481.5	-3.7	NO	0.997	NO	bb

Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.999663$

Calibration curve: $0.000377115 * x^2 + 0.858411 * x + 0.0239853$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	4.77	68.525	2933.246	0.292	0.3	24.9	NO	1.000	NO	MM
2	2 180529M1_3	Standard	0.500	4.77	108.729	3181.595	0.427	0.5	-6.1	NO	1.000	NO	MM
3	3 180529M1_4	Standard	1.000	4.77	160.332	2959.320	0.677	0.8	-23.9	NO	1.000	NO	MM
4	4 180529M1_5	Standard	2.000	4.77	403.650	3005.565	1.679	1.9	-3.7	NO	1.000	NO	MM
5	5 180529M1_6	Standard	5.000	4.77	1072.979	2769.076	4.844	5.6	12.0	NO	1.000	NO	MM
6	6 180529M1_7	Standard	10.000	4.77	2089.050	3114.271	8.385	9.7	-3.0	NO	1.000	NO	MM
7	7 180529M1_8	Standard	50.000	4.77	10736.604	3070.352	43.711	49.8	-0.4	NO	1.000	NO	MM
8	8 180529M1_9	Standard	100.000	4.78	20744.984	2886.272	89.843	100.2	0.2	NO	1.000	NO	MM
9	9 180529M1_10	Standard	250.000	4.77	50907.621	2672.034	238.150	250.0	-0.0	NO	1.000	NO	MM
10	10 180529M1_11	Standard	500.000	4.78	95113.570	2554.014	465.510	452.4	-9.5	NO	1.000	NO	MMX

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Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999778$

Calibration curve: $0.00025705 * x^2 + 1.10495 * x + 0.0528981$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	5.06	401.765	15716.532	0.320	0.2	-3.5	NO	1.000	NO	bb
2	2 180529M1_3	Standard	0.500	5.06	821.633	17587.568	0.584	0.5	-3.9	NO	1.000	NO	bb
3	3 180529M1_4	Standard	1.000	5.06	1643.543	17660.365	1.163	1.0	0.5	NO	1.000	NO	bb
4	4 180529M1_5	Standard	2.000	5.06	3181.120	18166.127	2.189	1.9	-3.4	NO	1.000	NO	bb
5	5 180529M1_6	Standard	5.000	5.06	8981.020	18839.830	5.959	5.3	6.8	NO	1.000	NO	bb
6	6 180529M1_7	Standard	10.000	5.06	18031.645	18853.822	11.955	10.7	7.4	NO	1.000	NO	bb
7	7 180529M1_8	Standard	50.000	5.06	80496.852	18970.867	53.040	47.4	-5.1	NO	1.000	NO	bb
8	8 180529M1_9	Standard	100.000	5.06	169815.281	18615.297	114.029	100.8	0.8	NO	1.000	NO	bb
9	9 180529M1_10	Standard	250.000	5.06	416083.031	17692.854	293.963	251.3	0.5	NO	1.000	NO	bb
10	10 180529M1_11	Standard	500.000	5.06	792574.563	16081.129	616.075	499.5	-0.1	NO	1.000	NO	bb

Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.998667$

Calibration curve: $-0.00351959 * x^2 + 1.36197 * x + 0.166072$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	5.03	35.845	2621.975	0.171	0.0	-98.6	YES	0.999	NO	MMX
2	2 180529M1_3	Standard	0.500	5.03	174.879	2599.847	0.841	0.5	-0.8	NO	0.999	NO	bb
3	3 180529M1_4	Standard	1.000	5.03	298.172	2784.490	1.339	0.9	-13.7	NO	0.999	NO	bb
4	4 180529M1_5	Standard	2.000	5.03	627.872	2615.205	3.001	2.1	4.6	NO	0.999	NO	bb
5	5 180529M1_6	Standard	5.000	5.04	1652.120	2821.021	7.321	5.3	6.5	NO	0.999	NO	bb
6	6 180529M1_7	Standard	10.000	5.03	3287.908	2885.777	14.242	10.6	6.3	NO	0.999	NO	bb
7	7 180529M1_8	Standard	50.000	5.03	14320.138	3122.682	57.323	47.9	-4.2	NO	0.999	NO	bb
8	8 180529M1_9	Standard	100.000	5.03	27692.381	3389.159	102.136	101.5	1.5	NO	0.999	NO	bb
9	9 180529M1_10	Standard	250.000	5.03	60190.691	4885.536	154.002			NO	0.999	NO	bbXI
10	10 180529M1_11	Standard	500.000	5.03	104928.477	6325.123	207.364			NO	0.999	NO	bbXI

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Compound name: PFNS

Coefficient of Determination: R² = 0.998684

Calibration curve: -0.000153847 * x² + 0.815367 * x + -0.134923

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	5.13	29.826	2933.246	0.127	0.3	28.6	NO	0.999	NO	MM
2	2 180529M1_3	Standard	0.500	5.12	55.114	3181.595	0.217	0.4	-13.8	NO	0.999	NO	MM
3	3 180529M1_4	Standard	1.000	5.12	156.189	2959.320	0.660	1.0	-2.5	NO	0.999	NO	bb
4	4 180529M1_5	Standard	2.000	5.12	358.268	3005.565	1.490	2.0	-0.3	NO	0.999	NO	bb
5	5 180529M1_6	Standard	5.000	5.13	898.464	2769.076	4.056	5.1	2.9	NO	0.999	NO	bb
6	6 180529M1_7	Standard	10.000	5.13	1812.499	3114.271	7.275	9.1	-9.0	NO	0.999	NO	bb
7	7 180529M1_8	Standard	50.000	5.13	9160.483	3070.352	37.294	46.3	-7.4	NO	0.999	NO	bb
8	8 180529M1_9	Standard	100.000	5.13	17999.357	2886.272	77.952	97.6	-2.4	NO	0.999	NO	bb
9	9 180529M1_10	Standard	250.000	5.13	43545.359	2672.034	203.709	263.1	5.2	NO	0.999	NO	bb
10	10 180529M1_11	Standard	500.000	5.13	74570.867	2554.014	364.969	493.8	-1.2	NO	0.999	NO	bb

Compound name: L-MeFOSAA

Coefficient of Determination: R² = 0.999854

Calibration curve: -0.000693628 * x² + 2.44664 * x + -0.10276

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	5.22	87.427	2621.130	0.417	0.2	-15.0	NO	1.000	NO	MM
2	2 180529M1_3	Standard	0.500	5.22	231.102	2685.620	1.076	0.5	-3.7	NO	1.000	NO	MM
3	3 180529M1_4	Standard	1.000	5.21	514.098	2839.530	2.263	1.0	-3.3	NO	1.000	NO	MM
4	4 180529M1_5	Standard	2.000	5.21	1112.702	2687.454	5.175	2.2	7.9	NO	1.000	NO	MM
5	5 180529M1_6	Standard	5.000	5.22	2623.554	2770.161	11.838	4.9	-2.3	NO	1.000	NO	MM
6	6 180529M1_7	Standard	10.000	5.22	5175.875	2713.229	23.846	9.8	-1.8	NO	1.000	NO	MM
7	7 180529M1_8	Standard	50.000	5.22	25931.627	2680.479	120.928	50.2	0.4	NO	1.000	NO	MM
8	8 180529M1_9	Standard	100.000	5.22	52171.582	2691.036	242.340	102.0	2.0	NO	1.000	NO	MM
9	9 180529M1_10	Standard	250.000	5.22	123360.641	2748.842	560.966	246.6	-1.4	NO	1.000	NO	MM
10	10 180529M1_11	Standard	500.000	5.22	219551.391	2607.613	1052.454	501.5	0.3	NO	1.000	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: L-EtFOSAA

Coefficient of Determination: R² = 0.999209

Calibration curve: $-6.56747e-005 * x^2 + 1.32949 * x + -0.129478$

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	5.37	78.809	3656.554	0.269	0.3	20.0	NO	0.999	NO	bb
2	2 180529M1_3	Standard	0.500	5.37	129.118	3791.279	0.426	0.4	-16.5	NO	0.999	NO	MM
3	3 180529M1_4	Standard	1.000	5.37	347.022	3763.707	1.153	1.0	-3.6	NO	0.999	NO	MM
4	4 180529M1_5	Standard	2.000	5.37	595.712	3887.660	1.915	1.5	-23.1	NO	0.999	NO	MM
5	5 180529M1_6	Standard	5.000	5.37	1919.423	3832.943	6.260	4.8	-3.9	NO	0.999	NO	MM
6	6 180529M1_7	Standard	10.000	5.37	3636.601	3874.887	11.731	8.9	-10.7	NO	0.999	NO	MM
7	7 180529M1_8	Standard	50.000	5.37	19559.957	3756.784	65.082	49.2	-1.7	NO	0.999	NO	MM
8	8 180529M1_9	Standard	100.000	5.37	36454.051	3530.589	129.065	97.6	-2.4	NO	0.999	NO	MM
9	9 180529M1_10	Standard	250.000	5.37	84294.422	3101.069	339.780	259.0	3.6	NO	0.999	NO	MM
10	10 180529M1_11	Standard	500.000	5.37	142941.063	2778.202	643.137	496.0	-0.8	NO	0.999	NO	MM

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 08:35:39

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Compound name: PFUdA

Correlation coefficient: $r = 0.998903$, $r^2 = 0.997806$

Calibration curve: $0.920703 * x + 0.109842$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180529M1_2	Standard	0.250	5.39	443.721	18148.273	0.306	0.2	-14.9	NO	0.998	NO	bb
2	180529M1_3	Standard	0.500	5.39	868.675	20551.945	0.528	0.5	-9.1	NO	0.998	NO	bb
3	180529M1_4	Standard	1.000	5.39	1638.696	19849.105	1.032	1.0	0.2	NO	0.998	NO	bb
4	180529M1_5	Standard	2.000	5.39	3046.337	19794.189	1.924	2.0	-1.5	NO	0.998	NO	bb
5	180529M1_6	Standard	5.000	5.39	7514.420	21107.902	4.450	4.7	-5.7	NO	0.998	NO	bb
6	180529M1_7	Standard	10.000	5.39	14275.868	16060.355	11.111	11.9	19.5	NO	0.998	NO	bb
7	180529M1_8	Standard	50.000	5.39	75384.578	19097.172	49.343	53.5	6.9	NO	0.998	NO	bb
8	180529M1_9	Standard	100.000	5.39	157861.953	20455.512	96.467	104.7	4.7	NO	0.998	NO	bb
9	180529M1_10	Standard	250.000	5.39	372584.344	19469.102	239.215	259.7	3.9	NO	0.998	NO	bb
10	180529M1_11	Standard	500.000	5.39	611659.813	17273.887	442.619	480.6	-3.9	NO	0.998	NO	bb

Compound name: PFDS

Coefficient of Determination: $R^2 = 0.997023$

Calibration curve: $-7.67776e-005 * x^2 + 0.161874 * x + -0.0162531$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180529M1_2	Standard	0.250	5.43	20.025	18148.273	0.014	0.2	-25.7	NO	0.997	NO	MM
2	180529M1_3	Standard	0.500	5.44	98.076	20551.945	0.060	0.5	-6.2	NO	0.997	NO	bb
3	180529M1_4	Standard	1.000	5.43	263.150	19849.105	0.166	1.1	12.5	NO	0.997	NO	bb
4	180529M1_5	Standard	2.000	5.43	488.814	19794.189	0.309	2.0	0.5	NO	0.997	NO	bb
5	180529M1_6	Standard	5.000	5.44	1259.354	21107.902	0.746	4.7	-5.6	NO	0.997	NO	bb
6	180529M1_7	Standard	10.000	5.44	2633.216	16060.355	2.049	12.8	28.4	NO	0.997	NO	bb
7	180529M1_8	Standard	50.000	5.44	12053.616	19097.172	7.890	50.0	0.1	NO	0.997	NO	bb
8	180529M1_9	Standard	100.000	5.44	24111.65E	20455.512	14.734	95.4	-4.6	NO	0.997	NO	bb
9	180529M1_10	Standard	250.000	5.44	55919.996	19469.102	35.903	252.0	0.8	NO	0.997	NO	bb
10	180529M1_11	Standard	500.000	5.44	104978.898	17273.887	75.966	705.4	41.1	YES	0.997	NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: PFDaA

Correlation coefficient: $r = 0.999227$, $r^2 = 0.998454$

Calibration curve: $1.28516 * x + -0.0144924$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	5.67	473.494	15474.755	0.382	0.3	23.6	NO	0.998	NO	bb
2	2 180529M1_3	Standard	0.500	5.67	1016.180	18129.182	0.701	0.6	11.3	NO	0.998	NO	bb
3	3 180529M1_4	Standard	1.000	5.67	1867.558	19585.166	1.192	0.9	-6.1	NO	0.998	NO	bb
4	4 180529M1_5	Standard	2.000	5.67	3908.408	21858.014	2.235	1.8	-12.5	NO	0.998	NO	bb
5	5 180529M1_6	Standard	5.000	5.67	10958.093	20027.189	6.840	5.3	6.7	NO	0.998	NO	bb
6	6 180529M1_7	Standard	10.000	5.67	19547.041	22653.674	10.786	8.4	-16.0	NO	0.998	NO	bb
7	7 180529M1_8	Standard	50.000	5.67	96727.344	20151.457	60.000	46.7	-6.6	NO	0.998	NO	bb
8	8 180529M1_9	Standard	100.000	5.67	191064.016	19505.375	122.443	95.3	-4.7	NO	0.998	NO	bb
9	9 180529M1_10	Standard	250.000	5.67	469415.344	17401.682	337.191	262.4	5.0	NO	0.998	NO	bb
10	10 180529M1_11	Standard	500.000	5.67	884551.813	17308.170	638.825	497.1	-0.6	NO	0.998	NO	bb

Compound name: N-MeFOSA

Coefficient of Determination: $R^2 = 0.999868$

Calibration curve: $-7.31566e-005 * x^2 + 1.09551 * x + 0.0627163$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	1.250	5.82	134.597	13316.707	1.516	1.3	6.1	NO	1.000	NO	bb
2	2 180529M1_3	Standard	2.500	5.82	258.921	13555.639	2.865	2.6	2.3	NO	1.000	NO	bb
3	3 180529M1_4	Standard	5.000	5.82	476.916	13802.346	5.183	4.7	-6.5	NO	1.000	NO	bb
4	4 180529M1_5	Standard	10.000	5.82	910.289	12824.030	10.647	9.7	-3.3	NO	1.000	NO	bb
5	5 180529M1_6	Standard	25.000	5.83	2481.277	13143.725	28.317	25.8	3.3	NO	1.000	NO	bb
6	6 180529M1_7	Standard	50.000	5.83	4791.832	12926.597	55.604	50.9	1.7	NO	1.000	NO	bb
7	7 180529M1_8	Standard	250.000	5.82	23490.213	13049.616	270.010	250.6	0.2	NO	1.000	NO	bb
8	8 180529M1_9	Standard	500.000	5.83	45200.926	12585.440	538.729	509.0	1.8	NO	1.000	NO	bb
9	9 180529M1_10	Standard	1250.000	5.83	105690.125	12818.927	1236.727	1229.9	-1.6	NO	1.000	NO	bb
10	10 180529M1_11	Standard	2500.000	5.83	188178.625	12332.166	2288.876	2510.0	0.4	NO	1.000	NO	bb

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Compound name: PFTrDA

Coefficient of Determination: R² = 0.996979

Calibration curve: $-8.75196e-005 * x^2 + 1.37894 * x + -0.0433696$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	5.92	455.413	15474.755	0.368	0.3	19.3	NO	0.997	NO	bb
2	2 180529M1_3	Standard	0.500	5.92	1069.311	18129.182	0.737	0.6	13.2	NO	0.997	NO	bb
3	3 180529M1_4	Standard	1.000	5.92	2207.091	19585.166	1.409	1.1	5.3	NO	0.997	NO	bb
4	4 180529M1_5	Standard	2.000	5.92	4168.605	21858.014	2.384	1.8	-12.0	NO	0.997	NO	bb
5	5 180529M1_6	Standard	5.000	5.92	11055.816	20027.189	6.901	5.0	0.7	NO	0.997	NO	bb
6	6 180529M1_7	Standard	10.000	5.92	18763.912	22653.674	10.354	7.5	-24.6	NO	0.997	NO	bb
7	7 180529M1_8	Standard	50.000	5.92	111282.945	20151.457	69.029	50.3	0.5	NO	0.997	NO	bb
8	8 180529M1_9	Standard	100.000	5.92	196288.484	19505.375	125.791	91.8	-8.2	NO	0.997	NO	bb
9	9 180529M1_10	Standard	250.000	5.92	505654.844	17401.682	363.223	268.0	7.2	NO	0.997	NO	bb
10	10 180529M1_11	Standard	500.000	5.92	910847.188	17308.170	657.816	492.5	-1.5	NO	0.997	NO	db

Compound name: PFTeDA

Coefficient of Determination: R² = 0.999775

Calibration curve: $-0.000225222 * x^2 + 1.18921 * x + 0.0518236$

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	6.14	385.510	16085.493	0.300	0.2	-16.7	NO	1.000	NO	bb
2	2 180529M1_3	Standard	0.500	6.14	906.869	16769.697	0.676	0.5	5.0	NO	1.000	NO	bb
3	3 180529M1_4	Standard	1.000	6.14	1762.796	17629.908	1.250	1.0	0.8	NO	1.000	NO	bb
4	4 180529M1_5	Standard	2.000	6.13	3561.061	18142.662	2.454	2.0	1.0	NO	1.000	NO	bb
5	5 180529M1_6	Standard	5.000	6.14	8699.286	16493.988	6.593	5.5	10.1	NO	1.000	NO	bb
6	6 180529M1_7	Standard	10.000	6.14	16871.613	17119.025	12.319	10.3	3.4	NO	1.000	NO	bb
7	7 180529M1_8	Standard	50.000	6.14	85530.453	18912.988	56.529	47.9	-4.1	NO	1.000	NO	bb
8	8 180529M1_9	Standard	100.000	6.14	165011.125	17711.057	116.461	99.8	-0.2	NO	1.000	NO	bb
9	9 180529M1_10	Standard	250.000	6.14	416546.688	18202.230	286.055	252.6	1.0	NO	1.000	NO	bb
10	10 180529M1_11	Standard	500.000	6.14	714563.813	16625.740	537.242	498.9	-0.2	NO	1.000	NO	bb

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Compound name: N-EtFOSA

Coefficient of Determination: R² = 0.999886

Calibration curve: $-1.897e-005 * x^2 + 0.880271 * x + 0.0805031$

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	1.250	6.24	146.133	19005.572	1.153	1.2	-2.5	NO	1.000	NO	bb
2	2 180529M1_3	Standard	2.500	6.24	280.469	19598.854	2.147	2.3	-6.1	NO	1.000	NO	bb
3	3 180529M1_4	Standard	5.000	6.24	544.515	18617.834	4.387	4.9	-2.1	NO	1.000	NO	bb
4	4 180529M1_5	Standard	10.000	6.24	1163.486	18135.672	9.623	10.8	8.4	NO	1.000	NO	bb
5	5 180529M1_6	Standard	25.000	6.24	2682.652	18446.115	21.815	24.7	-1.2	NO	1.000	NO	bb
6	6 180529M1_7	Standard	50.000	6.24	5484.445	18295.482	44.966	51.0	2.1	NO	1.000	NO	bb
7	7 180529M1_8	Standard	250.000	6.24	26676.746	17719.467	225.826	257.9	3.2	NO	1.000	NO	bb
8	8 180529M1_9	Standard	500.000	6.24	50495.531	17642.725	429.317	492.9	-1.4	NO	1.000	NO	bb
9	9 180529M1_10	Standard	1250.000	6.24	115960.078	16316.729	1066.023	1244.3	-0.5	NO	1.000	NO	bb
10	10 180529M1_11	Standard	2500.000	6.24	203732.547	14656.322	2085.099	2503.7	0.1	NO	1.000	NO	bb

Compound name: PFHxDA

Coefficient of Determination: R² = 0.999941

Calibration curve: $-0.000131844 * x^2 + 0.663913 * x + 0.0603345$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	6.47	433.820	9496.507	0.228	0.3	1.3	NO	1.000	NO	bb
2	2 180529M1_3	Standard	0.500	6.47	815.952	10227.229	0.399	0.5	2.0	NO	1.000	NO	bb
3	3 180529M1_4	Standard	1.000	6.47	1486.992	9954.740	0.747	1.0	3.4	NO	1.000	NO	bb
4	4 180529M1_5	Standard	2.000	6.47	2655.554	10106.671	1.314	1.9	-5.6	NO	1.000	NO	bb
5	5 180529M1_6	Standard	5.000	6.47	6985.991	10358.166	3.372	5.0	-0.1	NO	1.000	NO	bb
6	6 180529M1_7	Standard	10.000	6.48	14067.462	10626.197	6.619	9.9	-1.0	NO	1.000	NO	bb
7	7 180529M1_8	Standard	50.000	6.47	69440.555	10460.454	33.192	50.4	0.8	NO	1.000	NO	bb
8	8 180529M1_9	Standard	100.000	6.47	135567.297	10558.062	64.201	98.5	-1.5	NO	1.000	NO	bb
9	9 180529M1_10	Standard	250.000	6.47	323066.625	10157.007	159.036	252.1	0.8	NO	1.000	NO	bb
10	10 180529M1_11	Standard	500.000	6.48	577400.313	9668.511	298.598	499.1	-0.2	NO	1.000	NO	bb

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Compound name: PFODA

Coefficient of Determination: $R^2 = 0.999984$

Calibration curve: $-0.00012403 * x^2 + 0.797735 * x + 0.0190919$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	0.250	6.71	418.768	9496.507	0.220	0.3	1.0	NO	1.000	NO	bb
2	2 180529M1_3	Standard	0.500	6.71	864.885	10227.229	0.423	0.5	1.2	NO	1.000	NO	bb
3	3 180529M1_4	Standard	1.000	6.71	1644.486	9954.740	0.826	1.0	1.2	NO	1.000	NO	bb
4	4 180529M1_5	Standard	2.000	6.71	3398.805	10106.671	1.681	2.1	4.2	NO	1.000	NO	bb
5	5 180529M1_6	Standard	5.000	6.71	8434.974	10358.166	4.072	5.1	1.7	NO	1.000	NO	bb
6	6 180529M1_7	Standard	10.000	6.71	17035.045	10626.197	8.016	10.0	0.4	NO	1.000	NO	bb
7	7 180529M1_8	Standard	50.000	6.71	83242.469	10460.454	39.789	50.2	0.5	NO	1.000	NO	bb
8	8 180529M1_9	Standard	100.000	6.71	164753.578	10558.062	78.023	99.3	-0.7	NO	1.000	NO	bb
9	9 180529M1_10	Standard	250.000	6.71	389702.938	10157.007	191.839	250.2	0.1	NO	1.000	NO	bb
10	10 180529M1_11	Standard	500.000	6.71	711399.188	9668.511	367.895	500.0	0.0	NO	1.000	NO	bb

Compound name: N-MeFOSE

Correlation coefficient: $r = 0.999590$, $r^2 = 0.999180$

Calibration curve: $0.928956 * x + -0.238668$

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	1.250	6.41	74.550	13620.326	0.821	1.1	-8.7	NO	0.999	NO	MM
2	2 180529M1_3	Standard	2.500	6.40	197.531	12975.592	2.283	2.7	8.6	NO	0.999	NO	MM
3	3 180529M1_4	Standard	5.000	6.41	304.461	11802.777	3.869	4.4	-11.6	NO	0.999	NO	bb
4	4 180529M1_5	Standard	10.000	6.41	783.574	11364.521	10.342	11.4	13.9	NO	0.999	NO	MM
5	5 180529M1_6	Standard	25.000	6.41	1707.751	11897.893	21.530	23.4	-6.3	NO	0.999	NO	MM
6	6 180529M1_7	Standard	50.000	6.41	3786.454	11583.743	49.031	53.0	6.1	NO	0.999	NO	MM
7	7 180529M1_8	Standard	250.000	6.41	18265.832	12366.133	221.563	238.8	-4.5	NO	0.999	NO	MM
8	8 180529M1_9	Standard	500.000	6.41	36636.934	11815.944	465.095	500.9	0.2	NO	0.999	NO	MM
9	9 180529M1_10	Standard	1250.000	6.41	91923.094	11425.210	1206.846	1299.4	4.0	NO	0.999	NO	MM
10	10 180529M1_11	Standard	2500.000	6.41	178366.203	11716.004	2283.623	2458.5	-1.7	NO	0.999	NO	MM

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Compound name: N-EtFOSE

Coefficient of Determination: R² = 0.999464

Calibration curve: $-2.05593e-006 * x^2 + 1.21321 * x + -0.360403$

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	1.250	6.55	96.769	11705.604	1.240	1.3	5.5	NO	0.999	NO	bb
2	2 180529M1_3	Standard	2.500	6.55	216.942	11780.671	2.762	2.6	3.0	NO	0.999	NO	bb
3	3 180529M1_4	Standard	5.000	6.56	484.377	11814.100	6.150	5.4	7.3	NO	0.999	NO	bb
4	4 180529M1_5	Standard	10.000	6.55	826.366	10637.823	11.652	9.9	-1.0	NO	0.999	NO	bb
5	5 180529M1_6	Standard	25.000	6.56	2139.610	11515.325	27.871	23.3	-6.9	NO	0.999	NO	bb
6	6 180529M1_7	Standard	50.000	6.56	4260.543	11115.177	57.496	47.7	-4.6	NO	0.999	NO	MM
7	7 180529M1_8	Standard	250.000	6.55	21480.943	11041.108	291.831	240.9	-3.6	NO	0.999	NO	bb
8	8 180529M1_9	Standard	500.000	6.55	41392.414	10497.065	591.486	488.2	-2.4	NO	0.999	NO	MM
9	9 180529M1_10	Standard	1250.000	6.55	108801.188	10433.975	1564.138	1292.4	3.4	NO	0.999	NO	bb
10	10 180529M1_11	Standard	2500.000	6.55	211286.391	10570.541	2998.234	2482.1	-0.7	NO	0.999	NO	bb

Compound name: 13C3-PFBA

Response Factor: 0.894182

RRF SD: 0.0135355, Relative SD: 1.51373

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	1.34	7459.412	8450.384	11.034	12.3	-1.3	NO		NO	bb
2	2 180529M1_3	Standard	12.500	1.33	7337.752	8120.251	11.295	12.6	1.1	NO		NO	bb
3	3 180529M1_4	Standard	12.500	1.36	6836.380	7667.154	11.146	12.5	-0.3	NO		NO	bb
4	4 180529M1_5	Standard	12.500	1.33	7197.958	8075.738	11.141	12.5	-0.3	NO		NO	bb
5	5 180529M1_6	Standard	12.500	1.34	7778.198	8534.358	11.392	12.7	1.9	NO		NO	bb
6	6 180529M1_7	Standard	12.500	1.33	7982.990	8846.830	11.279	12.6	0.9	NO		NO	bb
7	7 180529M1_8	Standard	12.500	1.33	7814.781	8963.867	10.898	12.2	-2.5	NO		NO	bb
8	8 180529M1_9	Standard	12.500	1.33	8098.062	8890.610	11.386	12.7	1.9	NO		NO	bb
9	9 180529M1_10	Standard	12.500	1.34	7635.225	8694.876	10.977	12.3	-1.8	NO		NO	bb
10	10 180529M1_11	Standard	12.500	1.33	7731.734	8610.404	11.224	12.6	0.4	NO		NO	bb

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Compound name: 13C3-PFPeA

Response Factor: 0.886383

RRF SD: 0.0425973, Relative SD: 4.80574

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	2.32	11790.347	11890.128	12.395	14.0	11.9	NO		NO	bb
2	2 180529M1_3	Standard	12.500	2.31	12179.170	13890.471	10.960	12.4	-1.1	NO		NO	bb
3	3 180529M1_4	Standard	12.500	2.31	11227.229	12496.465	11.230	12.7	1.4	NO		NO	bb
4	4 180529M1_5	Standard	12.500	2.32	11299.667	13711.709	10.301	11.6	-7.0	NO		NO	bb
5	5 180529M1_6	Standard	12.500	2.32	12019.618	13666.388	10.994	12.4	-0.8	NO		NO	bb
6	6 180529M1_7	Standard	12.500	2.32	12266.776	14027.932	10.931	12.3	-1.3	NO		NO	bb
7	7 180529M1_8	Standard	12.500	2.32	12102.896	13756.243	10.998	12.4	-0.7	NO		NO	bb
8	8 180529M1_9	Standard	12.500	2.31	11629.019	13175.899	11.032	12.4	-0.4	NO		NO	bb
9	9 180529M1_10	Standard	12.500	2.32	11023.266	12836.433	10.734	12.1	-3.1	NO		NO	bb
10	10 180529M1_11	Standard	12.500	2.32	10616.198	11824.863	11.222	12.7	1.3	NO		NO	bb

Compound name: 13C3-PFBS

Response Factor: 0.10878

RRF SD: 0.00743332, Relative SD: 6.83338

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	2.61	1481.547	11890.128	1.558	14.3	14.5	NO		NO	bb
2	2 180529M1_3	Standard	12.500	2.60	1528.862	13890.471	1.376	12.6	1.2	NO		NO	bb
3	3 180529M1_4	Standard	12.500	2.60	1435.706	12496.465	1.436	13.2	5.6	NO		NO	bb
4	4 180529M1_5	Standard	12.500	2.60	1499.426	13711.709	1.367	12.6	0.5	NO		NO	bb
5	5 180529M1_6	Standard	12.500	2.61	1443.605	13666.388	1.320	12.1	-2.9	NO		NO	bb
6	6 180529M1_7	Standard	12.500	2.61	1533.260	14027.932	1.366	12.6	0.5	NO		NO	bb
7	7 180529M1_8	Standard	12.500	2.61	1479.620	13756.243	1.344	12.4	-1.1	NO		NO	bb
8	8 180529M1_9	Standard	12.500	2.60	1428.237	13175.899	1.355	12.5	-0.4	NO		NO	bb
9	9 180529M1_10	Standard	12.500	2.61	1251.728	12836.433	1.219	11.2	-10.4	NO		NO	bb
10	10 180529M1_11	Standard	12.500	2.61	1188.177	11824.863	1.256	11.5	-7.6	NO		NO	bb

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Compound name: 13C2-4:2 FTS

Response Factor: 0.23076

RRF SD: 0.0242029, Relative SD: 10.4884

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	3.01	2954.015	11890.128	3.106	13.5	7.7	NO		NO	bb
2	2 180529M1_3	Standard	12.500	3.01	2995.730	13890.471	2.696	11.7	-6.5	NO		NO	bb
3	3 180529M1_4	Standard	12.500	3.00	2790.109	12496.465	2.791	12.1	-3.2	NO		NO	bb
4	4 180529M1_5	Standard	12.500	3.01	2952.033	13711.709	2.691	11.7	-6.7	NO		NO	bb
5	5 180529M1_6	Standard	12.500	3.02	2891.322	13666.388	2.645	11.5	-8.3	NO		NO	bb
6	6 180529M1_7	Standard	12.500	3.02	2951.717	14027.932	2.630	11.4	-8.8	NO		NO	bb
7	7 180529M1_8	Standard	12.500	3.01	3331.165	13756.243	3.027	13.1	4.9	NO		NO	bb
8	8 180529M1_9	Standard	12.500	3.02	3679.540	13175.899	3.491	15.1	21.0	NO		NO	bb
9	9 180529M1_10	Standard	12.500	3.02	4530.947	12836.433	4.412	19.1	53.0	NO		NO	bbX
10	10 180529M1_11	Standard	12.500	3.02	5907.397	11824.863	6.245	27.1	116.5	NO		NO	bbX

Compound name: 13C2-PFHxA

Response Factor: 0.730796

RRF SD: 0.0311749, Relative SD: 4.26588

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	5.000	3.10	3533.743	11890.128	3.715	5.1	1.7	NO		NO	bb
2	2 180529M1_3	Standard	5.000	3.10	4134.404	13890.471	3.721	5.1	1.8	NO		NO	bb
3	3 180529M1_4	Standard	5.000	3.09	3660.174	12496.465	3.661	5.0	0.2	NO		NO	bb
4	4 180529M1_5	Standard	5.000	3.10	3757.792	13711.709	3.426	4.7	-6.2	NO		NO	bb
5	5 180529M1_6	Standard	5.000	3.10	4098.882	13666.388	3.749	5.1	2.6	NO		NO	bb
6	6 180529M1_7	Standard	5.000	3.10	3843.983	14027.932	3.425	4.7	-6.3	NO		NO	bb
7	7 180529M1_8	Standard	5.000	3.10	4108.127	13756.243	3.733	5.1	2.2	NO		NO	bb
8	8 180529M1_9	Standard	5.000	3.10	3799.950	13175.899	3.605	4.9	-1.3	NO		NO	bb
9	9 180529M1_10	Standard	5.000	3.10	3662.803	12836.433	3.567	4.9	-2.4	NO		NO	bb
10	10 180529M1_11	Standard	5.000	3.10	3725.507	11824.863	3.938	5.4	7.8	NO		NO	bb

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Compound name: 13C4-PFHpA

Response Factor: 0.761461

RRF SD: 0.0285701, Relative SD: 3.75201

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	3.72	9696.298	11890.128	10.194	13.4	7.1	NO		NO	bb
2	2 180529M1_3	Standard	12.500	3.72	10605.583	13890.471	9.544	12.5	0.3	NO		NO	bb
3	3 180529M1_4	Standard	12.500	3.72	9683.286	12496.465	9.686	12.7	1.8	NO		NO	bb
4	4 180529M1_5	Standard	12.500	3.72	10167.767	13711.709	9.269	12.2	-2.6	NO		NO	bb
5	5 180529M1_6	Standard	12.500	3.72	10273.345	13666.388	9.397	12.3	-1.3	NO		NO	bb
6	6 180529M1_7	Standard	12.500	3.72	10660.320	14027.932	9.499	12.5	-0.2	NO		NO	bb
7	7 180529M1_8	Standard	12.500	3.72	10828.946	13756.243	9.840	12.9	3.4	NO		NO	bb
8	8 180529M1_9	Standard	12.500	3.72	9406.318	13175.899	8.924	11.7	-6.2	NO		NO	bb
9	9 180529M1_10	Standard	12.500	3.72	9430.437	12836.433	9.183	12.1	-3.5	NO		NO	bb
10	10 180529M1_11	Standard	12.500	3.72	9125.946	11824.863	9.647	12.7	1.4	NO		NO	bb

Compound name: 18O2-PFHxS

Response Factor: 0.435918

RRF SD: 0.0154623, Relative SD: 3.54706

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	3.87	1209.131	2750.423	5.495	12.6	0.8	NO		NO	bb
2	2 180529M1_3	Standard	12.500	3.87	1303.999	2846.211	5.727	13.1	5.1	NO		NO	bb
3	3 180529M1_4	Standard	12.500	3.87	1151.428	2828.058	5.089	11.7	-6.6	NO		NO	bb
4	4 180529M1_5	Standard	12.500	3.87	1226.867	2846.587	5.387	12.4	-1.1	NO		NO	bb
5	5 180529M1_6	Standard	12.500	3.88	1314.823	2991.677	5.494	12.6	0.8	NO		NO	bb
6	6 180529M1_7	Standard	12.500	3.87	1298.689	2909.726	5.579	12.8	2.4	NO		NO	bb
7	7 180529M1_8	Standard	12.500	3.87	1362.919	3001.049	5.677	13.0	4.2	NO		NO	bb
8	8 180529M1_9	Standard	12.500	3.87	1266.209	2895.777	5.466	12.5	0.3	NO		NO	bb
9	9 180529M1_10	Standard	12.500	3.88	1155.135	2721.918	5.305	12.2	-2.6	NO		NO	bb
10	10 180529M1_11	Standard	12.500	3.88	1012.583	2401.407	5.271	12.1	-3.3	NO		NO	bb

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Compound name: 13C2-6:2 FTS

Response Factor: 0.266803

RRF SD: 0.0156307, Relative SD: 5.85851

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	1 180529M1_2	Standard	12.500	4.19	2682.947	9547.994	3.512	13.2	5.3	NO		NO	bb
2	2 180529M1_3	Standard	12.500	4.19	2923.620	11602.253	3.150	11.8	-5.6	NO		NO	bb
3	3 180529M1_4	Standard	12.500	4.19	2771.012	11098.755	3.121	11.7	-6.4	NO		NO	bb
4	4 180529M1_5	Standard	12.500	4.19	2782.181	11147.993	3.120	11.7	-6.5	NO		NO	bb
5	5 180529M1_6	Standard	12.500	4.19	2942.733	11126.528	3.306	12.4	-0.9	NO		NO	bb
6	6 180529M1_7	Standard	12.500	4.19	2894.054	10587.652	3.417	12.8	2.5	NO		NO	bb
7	7 180529M1_8	Standard	12.500	4.19	3200.924	11734.100	3.410	12.8	2.2	NO		NO	bb
8	8 180529M1_9	Standard	12.500	4.19	3455.535	11850.442	3.645	13.7	9.3	NO		NO	bb
9	9 180529M1_10	Standard	12.500	4.19	4880.551	10308.486	5.918	22.2	77.5	NO		NO	bbX
10	10 180529M1_11	Standard	12.500	4.19	6312.868	9606.630	8.214	30.8	146.3	NO		NO	bbX

Compound name: 13C2-PFOA

Response Factor: 1.60102

RRF SD: 0.0991466, Relative SD: 6.19271

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	1 180529M1_2	Standard	12.500	4.24	15769.672	9547.994	20.645	12.9	3.2	NO		NO	bb
2	2 180529M1_3	Standard	12.500	4.25	18166.381	11602.253	19.572	12.2	-2.2	NO		NO	bb
3	3 180529M1_4	Standard	12.500	4.24	18302.676	11098.755	20.613	12.9	3.0	NO		NO	bb
4	4 180529M1_5	Standard	12.500	4.25	18366.871	11147.993	20.594	12.9	2.9	NO		NO	bb
5	5 180529M1_6	Standard	12.500	4.25	16843.838	11126.528	18.923	11.8	-5.4	NO		NO	bb
6	6 180529M1_7	Standard	12.500	4.25	17924.299	10587.652	21.162	13.2	5.7	NO		NO	bb
7	7 180529M1_8	Standard	12.500	4.25	16328.604	11734.100	17.394	10.9	-13.1	NO		NO	bb
8	8 180529M1_9	Standard	12.500	4.25	19444.113	11850.442	20.510	12.8	2.5	NO		NO	bb
9	9 180529M1_10	Standard	12.500	4.25	17742.816	10308.486	21.515	13.4	7.5	NO		NO	bb
10	10 180529M1_11	Standard	12.500	4.25	14754.539	9606.630	19.198	12.0	-4.1	NO		NO	bb

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Compound name: 13C5-PFNA

Response Factor: 0.952734

RRF SD: 0.0888817, Relative SD: 9.32912

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	4.69	13118.186	11257.542	14.566	15.3	22.3	NO		NO	bb
2	2 180529M1_3	Standard	12.500	4.69	13788.307	14273.160	12.075	12.7	1.4	NO		NO	bb
3	3 180529M1_4	Standard	12.500	4.68	12409.215	13791.862	11.247	11.8	-5.6	NO		NO	bb
4	4 180529M1_5	Standard	12.500	4.69	12443.195	14507.012	10.722	11.3	-10.0	NO		NO	bb
5	5 180529M1_6	Standard	12.500	4.69	13761.558	15372.662	11.190	11.7	-6.0	NO		NO	bb
6	6 180529M1_7	Standard	12.500	4.69	13720.624	15402.973	11.135	11.7	-6.5	NO		NO	bb
7	7 180529M1_8	Standard	12.500	4.69	14665.924	14370.057	12.757	13.4	7.1	NO		NO	bb
8	8 180529M1_9	Standard	12.500	4.69	14678.496	15096.309	12.154	12.8	2.1	NO		NO	bb
9	9 180529M1_10	Standard	12.500	4.69	13286.236	14588.406	11.384	11.9	-4.4	NO		NO	bb
10	10 180529M1_11	Standard	12.500	4.69	11167.075	11768.184	11.862	12.4	-0.4	NO		NO	bb

Compound name: 13C8-PFOA

Response Factor: 0.178206

RRF SD: 0.0136956, Relative SD: 7.68524

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	4.75	3619.283	17580.447	2.573	14.4	15.5	NO		NO	bb
2	2 180529M1_3	Standard	12.500	4.75	3677.560	20781.498	2.212	12.4	-0.7	NO		NO	bb
3	3 180529M1_4	Standard	12.500	4.74	4088.731	21764.207	2.348	13.2	5.4	NO		NO	bb
4	4 180529M1_5	Standard	12.500	4.75	3655.070	21786.832	2.097	11.8	-5.9	NO		NO	bb
5	5 180529M1_6	Standard	12.500	4.75	3543.881	21330.484	2.077	11.7	-6.8	NO		NO	bb
6	6 180529M1_7	Standard	12.500	4.75	3834.814	21068.318	2.275	12.8	2.1	NO		NO	bb
7	7 180529M1_8	Standard	12.500	4.75	3737.479	20010.080	2.335	13.1	4.8	NO		NO	bb
8	8 180529M1_9	Standard	12.500	4.75	3621.935	22557.463	2.007	11.3	-9.9	NO		NO	bb
9	9 180529M1_10	Standard	12.500	4.75	3166.783	19112.344	2.071	11.6	-7.0	NO		NO	bb
10	10 180529M1_11	Standard	12.500	4.75	3145.173	17243.078	2.280	12.8	2.4	NO		NO	bb

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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Compound name: 13C8-PFOS

Response Factor: 1.06379

RRF SD: 0.0584494, Relative SD: 5.49444

Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	4.77	2933.246	2633.912	13.921	13.1	4.7	NO		NO	bb
2	2 180529M1_3	Standard	12.500	4.77	3181.595	2925.664	13.593	12.8	2.2	NO		NO	bb
3	3 180529M1_4	Standard	12.500	4.76	2959.320	2915.209	12.689	11.9	-4.6	NO		NO	bb
4	4 180529M1_5	Standard	12.500	4.77	3005.565	2934.167	12.804	12.0	-3.7	NO		NO	bb
5	5 180529M1_6	Standard	12.500	4.77	2769.076	2826.335	12.247	11.5	-7.9	NO		NO	bb
6	6 180529M1_7	Standard	12.500	4.77	3114.271	2941.626	13.234	12.4	-0.5	NO		NO	bb
7	7 180529M1_8	Standard	12.500	4.77	3070.352	2667.291	14.389	13.5	8.2	NO		NO	bb
8	8 180529M1_9	Standard	12.500	4.77	2886.272	2684.539	13.439	12.6	1.1	NO		NO	bb
9	9 180529M1_10	Standard	12.500	4.77	2672.034	2673.271	12.494	11.7	-6.0	NO		NO	bb
10	10 180529M1_11	Standard	12.500	4.77	2554.014	2254.020	14.164	13.3	6.5	NO		NO	bb

Compound name: 13C2-PFDA

Response Factor: 1.03236

RRF SD: 0.0938024, Relative SD: 9.08618

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	5.06	15716.532	15991.064	12.285	11.9	-4.8	NO		NO	bb
2	2 180529M1_3	Standard	12.500	5.06	17587.568	17572.932	12.510	12.1	-3.1	NO		NO	bb
3	3 180529M1_4	Standard	12.500	5.06	17660.365	17833.371	12.379	12.0	-4.1	NO		NO	bb
4	4 180529M1_5	Standard	12.500	5.06	18166.127	14241.922	15.944	15.4	23.6	NO		NO	bb
5	5 180529M1_6	Standard	12.500	5.06	18839.830	17694.439	13.309	12.9	3.1	NO		NO	bb
6	6 180529M1_7	Standard	12.500	5.06	18853.822	19459.184	12.111	11.7	-6.1	NO		NO	bb
7	7 180529M1_8	Standard	12.500	5.06	18970.867	18713.697	12.672	12.3	-1.8	NO		NO	bb
8	8 180529M1_9	Standard	12.500	5.06	18615.297	17339.865	13.419	13.0	4.0	NO		NO	bb
9	9 180529M1_10	Standard	12.500	5.06	17692.854	18639.545	11.865	11.5	-8.1	NO		NO	bb
10	10 180529M1_11	Standard	12.500	5.06	16081.129	16017.024	12.550	12.2	-2.7	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: 13C2-8:2 FTS

Response Factor: 0.2147

RRF SD: 0.0224925, Relative SD: 10.4762

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	5.03	2621.975	11890.128	2.756	12.8	2.7	NO		NO	bb
2	2 180529M1_3	Standard	12.500	5.03	2599.847	13890.471	2.340	10.9	-12.8	NO		NO	bb
3	3 180529M1_4	Standard	12.500	5.03	2784.490	12496.465	2.785	13.0	3.8	NO		NO	bb
4	4 180529M1_5	Standard	12.500	5.03	2615.205	13711.709	2.384	11.1	-11.2	NO		NO	bb
5	5 180529M1_6	Standard	12.500	5.03	2821.021	13666.388	2.580	12.0	-3.9	NO		NO	bb
6	6 180529M1_7	Standard	12.500	5.03	2885.777	14027.932	2.571	12.0	-4.2	NO		NO	bb
7	7 180529M1_8	Standard	12.500	5.03	3122.682	13756.243	2.838	13.2	5.7	NO		NO	bb
8	8 180529M1_9	Standard	12.500	5.03	3389.159	13175.899	3.215	15.0	19.8	NO		NO	bb
9	9 180529M1_10	Standard	12.500	5.03	4885.536	12836.433	4.757	22.2	77.3	NO		NO	bbX
10	10 180529M1_11	Standard	12.500	5.03	6325.123	11824.863	6.686	31.1	149.1	NO		NO	bbX

Compound name: d3-N-MeFOSAA

Response Factor: 0.13391

RRF SD: 0.0106984, Relative SD: 7.98921

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	5.21	2621.130	17580.447	1.864	13.9	11.3	NO		NO	bb
2	2 180529M1_3	Standard	12.500	5.21	2685.620	20781.498	1.615	12.1	-3.5	NO		NO	bb
3	3 180529M1_4	Standard	12.500	5.21	2839.530	21764.207	1.631	12.2	-2.6	NO		NO	bb
4	4 180529M1_5	Standard	12.500	5.21	2687.454	21786.832	1.542	11.5	-7.9	NO		NO	bb
5	5 180529M1_6	Standard	12.500	5.21	2770.161	21330.484	1.623	12.1	-3.0	NO		NO	bb
6	6 180529M1_7	Standard	12.500	5.21	2713.229	21068.318	1.610	12.0	-3.8	NO		NO	bb
7	7 180529M1_8	Standard	12.500	5.21	2680.479	20010.080	1.674	12.5	0.0	NO		NO	bb
8	8 180529M1_9	Standard	12.500	5.21	2691.036	22557.463	1.491	11.1	-10.9	NO		NO	bb
9	9 180529M1_10	Standard	12.500	5.21	2748.842	19112.344	1.798	13.4	7.4	NO		NO	bb
10	10 180529M1_11	Standard	12.500	5.21	2607.613	17243.078	1.890	14.1	12.9	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: d5-N-EtFOSAA

Response Factor: 0.177304

RRF SD: 0.0151563, Relative SD: 8.54819

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	5.37	3656.554	17580.447	2.600	14.7	17.3	NO		NO	bb
2	2 180529M1_3	Standard	12.500	5.37	3791.279	20781.498	2.280	12.9	2.9	NO		NO	bb
3	3 180529M1_4	Standard	12.500	5.37	3763.707	21764.207	2.162	12.2	-2.5	NO		NO	bb
4	4 180529M1_5	Standard	12.500	5.37	3887.660	21786.832	2.231	12.6	0.6	NO		NO	bb
5	5 180529M1_6	Standard	12.500	5.37	3832.943	21330.484	2.246	12.7	1.3	NO		NO	bb
6	6 180529M1_7	Standard	12.500	5.37	3874.887	21068.318	2.299	13.0	3.7	NO		NO	bb
7	7 180529M1_8	Standard	12.500	5.37	3756.784	20010.080	2.347	13.2	5.9	NO		NO	bb
8	8 180529M1_9	Standard	12.500	5.37	3530.589	22557.463	1.956	11.0	-11.7	NO		NO	bb
9	9 180529M1_10	Standard	12.500	5.37	3101.069	19112.344	2.028	11.4	-8.5	NO		NO	bb
10	10 180529M1_11	Standard	12.500	5.37	2778.202	17243.078	2.014	11.4	-9.1	NO		NO	bb

Compound name: 13C2-PFUdA

Response Factor: 0.947531

RRF SD: 0.0799096, Relative SD: 8.43346

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	5.39	18148.273	17580.447	12.904	13.6	8.9	NO		NO	bb
2	2 180529M1_3	Standard	12.500	5.39	20551.945	20781.498	12.362	13.0	4.4	NO		NO	bb
3	3 180529M1_4	Standard	12.500	5.39	19849.105	21764.207	11.400	12.0	-3.7	NO		NO	bb
4	4 180529M1_5	Standard	12.500	5.39	19794.189	21786.832	11.357	12.0	-4.1	NO		NO	bb
5	5 180529M1_6	Standard	12.500	5.39	21107.902	21330.484	12.370	13.1	4.4	NO		NO	bb
6	6 180529M1_7	Standard	12.500	5.39	16060.355	21068.318	9.529	10.1	-19.5	NO		NO	bb
7	7 180529M1_8	Standard	12.500	5.39	19097.172	20010.080	11.930	12.6	0.7	NO		NO	bb
8	8 180529M1_9	Standard	12.500	5.39	20455.512	22557.463	11.335	12.0	-4.3	NO		NO	bb
9	9 180529M1_10	Standard	12.500	5.39	19469.102	19112.344	12.733	13.4	7.5	NO		NO	bb
10	10 180529M1_11	Standard	12.500	5.39	17273.887	17243.078	12.522	13.2	5.7	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: 13C2-PFDoA

Response Factor: 1.11443

RRF SD: 0.164475, Relative SD: 14.7587

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	5.67	15474.755	15991.064	12.096	10.9	-13.2	NO		NO	bb
2	2 180529M1_3	Standard	12.500	5.67	18129.182	17572.932	12.896	11.6	-7.4	NO		NO	bb
3	3 180529M1_4	Standard	12.500	5.67	19585.166	17833.371	13.728	12.3	-1.5	NO		NO	bb
4	4 180529M1_5	Standard	12.500	5.67	21858.014	14241.922	19.185	17.2	37.7	NO		NO	bb
5	5 180529M1_6	Standard	12.500	5.67	20027.189	17694.439	14.148	12.7	1.6	NO		NO	bb
6	6 180529M1_7	Standard	12.500	5.67	22653.674	19459.184	14.552	13.1	4.5	NO		NO	bb
7	7 180529M1_8	Standard	12.500	5.67	20151.457	18713.697	13.460	12.1	-3.4	NO		NO	bb
8	8 180529M1_9	Standard	12.500	5.67	19505.375	17339.865	14.061	12.6	0.9	NO		NO	bb
9	9 180529M1_10	Standard	12.500	5.67	17401.682	18639.545	11.670	10.5	-16.2	NO		NO	bb
10	10 180529M1_11	Standard	12.500	5.67	17308.170	16017.024	13.508	12.1	-3.0	NO		NO	bb

Compound name: d3-N-MeFOSA

Response Factor: 0.0538191

RRF SD: 0.00489336, Relative SD: 9.09223

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	150.000	5.85	13316.707	17580.447	9.468	175.9	17.3	NO		NO	bb
2	2 180529M1_3	Standard	150.000	5.85	13555.639	20781.498	8.154	151.5	1.0	NO		NO	bb
3	3 180529M1_4	Standard	150.000	5.85	13802.346	21764.207	7.927	147.3	-1.8	NO		NO	bb
4	4 180529M1_5	Standard	150.000	5.85	12824.030	21786.832	7.358	136.7	-8.9	NO		NO	bb
5	5 180529M1_6	Standard	150.000	5.85	13143.725	21330.484	7.702	143.1	-4.6	NO		NO	bb
6	6 180529M1_7	Standard	150.000	5.85	12926.597	21068.318	7.669	142.5	-5.0	NO		NO	bb
7	7 180529M1_8	Standard	150.000	5.85	13049.616	20010.080	8.152	151.5	1.0	NO		NO	bb
8	8 180529M1_9	Standard	150.000	5.85	12585.440	22557.463	6.974	129.6	-13.6	NO		NO	bb
9	9 180529M1_10	Standard	150.000	5.85	12818.927	19112.344	8.384	155.8	3.9	NO		NO	bb
10	10 180529M1_11	Standard	150.000	5.85	12332.166	17243.078	8.940	166.1	10.7	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: 13C2-PFTeDA

Response Factor: 0.859741

RRF SD: 0.075349, Relative SD: 8.76416

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	6.13	16085.493	17580.447	11.437	13.3	6.4	NO		NO	bb
2	2 180529M1_3	Standard	12.500	6.13	16769.697	20781.498	10.087	11.7	-6.1	NO		NO	bb
3	3 180529M1_4	Standard	12.500	6.13	17629.908	21764.207	10.126	11.8	-5.8	NO		NO	bb
4	4 180529M1_5	Standard	12.500	6.13	18142.662	21786.832	10.409	12.1	-3.1	NO		NO	bb
5	5 180529M1_6	Standard	12.500	6.14	16493.988	21330.484	9.666	11.2	-10.1	NO		NO	bb
6	6 180529M1_7	Standard	12.500	6.14	17119.025	21068.318	10.157	11.8	-5.5	NO		NO	bb
7	7 180529M1_8	Standard	12.500	6.13	18912.988	20010.080	11.815	13.7	9.9	NO		NO	bb
8	8 180529M1_9	Standard	12.500	6.14	17711.057	22557.463	9.814	11.4	-8.7	NO		NO	bb
9	9 180529M1_10	Standard	12.500	6.14	18202.230	19112.344	11.905	13.8	10.8	NO		NO	bb
10	10 180529M1_11	Standard	12.500	6.14	16625.740	17243.078	12.052	14.0	12.1	NO		NO	bb

Compound name: d5-N-ETFOSA

Response Factor: 0.0734711

RRF SD: 0.00673665, Relative SD: 9.16912

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	150.000	6.26	19005.572	17580.447	13.513	183.9	22.6	NO		NO	bb
2	2 180529M1_3	Standard	150.000	6.26	19598.854	20781.498	11.789	160.5	7.0	NO		NO	bb
3	3 180529M1_4	Standard	150.000	6.26	18617.834	21764.207	10.693	145.5	-3.0	NO		NO	bb
4	4 180529M1_5	Standard	150.000	6.26	18135.672	21786.832	10.405	141.6	-5.6	NO		NO	bb
5	5 180529M1_6	Standard	150.000	6.26	18446.115	21330.484	10.810	147.1	-1.9	NO		NO	bb
6	6 180529M1_7	Standard	150.000	6.26	18295.482	21068.318	10.855	147.7	-1.5	NO		NO	bb
7	7 180529M1_8	Standard	150.000	6.26	17719.467	20010.080	11.069	150.7	0.4	NO		NO	bb
8	8 180529M1_9	Standard	150.000	6.26	17642.725	22557.463	9.777	133.1	-11.3	NO		NO	bb
9	9 180529M1_10	Standard	150.000	6.26	16316.729	19112.344	10.672	145.2	-3.2	NO		NO	bb
10	10 180529M1_11	Standard	150.000	6.26	14656.322	17243.078	10.625	144.6	-3.6	NO		NO	bb

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Compound name: 13C2-PFHxDA

Response Factor: 1.25663

RRF SD: 0.0880543, Relative SD: 7.00717

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	5.000	6.47	9496.507	17580.447	6.752	5.4	7.5	NO		NO	bb
2	2 180529M1_3	Standard	5.000	6.47	10227.229	20781.498	6.152	4.9	-2.1	NO		NO	bb
3	3 180529M1_4	Standard	5.000	6.47	9954.740	21764.207	5.717	4.5	-9.0	NO		NO	bb
4	4 180529M1_5	Standard	5.000	6.47	10106.671	21786.832	5.799	4.6	-7.7	NO		NO	bb
5	5 180529M1_6	Standard	5.000	6.47	10358.166	21330.484	6.070	4.8	-3.4	NO		NO	bb
6	6 180529M1_7	Standard	5.000	6.48	10626.197	21068.318	6.305	5.0	0.3	NO		NO	bb
7	7 180529M1_8	Standard	5.000	6.47	10460.454	20010.080	6.534	5.2	4.0	NO		NO	bb
8	8 180529M1_9	Standard	5.000	6.47	10558.062	22557.463	5.851	4.7	-6.9	NO		NO	bb
9	9 180529M1_10	Standard	5.000	6.47	10157.007	19112.344	6.643	5.3	5.7	NO		NO	bb
10	10 180529M1_11	Standard	5.000	6.48	9668.511	17243.078	7.009	5.6	11.6	NO		NO	bb

Compound name: d7-N-MeFOSE

Response Factor: 0.0499143

RRF SD: 0.00665148, Relative SD: 13.3258

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	150.000	6.39	13620.326	17580.447	9.684	194.0	29.3	NO		NO	MM
2	2 180529M1_3	Standard	150.000	6.40	12975.592	20781.498	7.805	156.4	4.2	NO		NO	MM
3	3 180529M1_4	Standard	150.000	6.40	11802.777	21764.207	6.779	135.8	-9.5	NO		NO	MM
4	4 180529M1_5	Standard	150.000	6.39	11364.521	21786.832	6.520	130.6	-12.9	NO		NO	MM
5	5 180529M1_6	Standard	150.000	6.40	11897.893	21330.484	6.972	139.7	-6.9	NO		NO	MM
6	6 180529M1_7	Standard	150.000	6.40	11583.743	21068.318	6.873	137.7	-8.2	NO		NO	MM
7	7 180529M1_8	Standard	150.000	6.40	12366.133	20010.080	7.725	154.8	3.2	NO		NO	MM
8	8 180529M1_9	Standard	150.000	6.40	11815.944	22557.463	6.548	131.2	-12.5	NO		NO	MM
9	9 180529M1_10	Standard	150.000	6.39	11425.210	19112.344	7.472	149.7	-0.2	NO		NO	MM
10	10 180529M1_11	Standard	150.000	6.39	11716.004	17243.078	8.493	170.2	13.4	NO		NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: d9-N-EtFOSE

Response Factor: 0.0458943

RRF SD: 0.00475666, Relative SD: 10.3644

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	150.000	6.54	11705.604	17580.447	8.323	181.3	20.9	NO		NO	bb
2	2 180529M1_3	Standard	150.000	6.54	11780.671	20781.498	7.086	154.4	2.9	NO		NO	bb
3	3 180529M1_4	Standard	150.000	6.54	11814.100	21764.207	6.785	147.8	-1.4	NO		NO	bb
4	4 180529M1_5	Standard	150.000	6.54	10637.823	21786.832	6.103	133.0	-11.3	NO		NO	bb
5	5 180529M1_6	Standard	150.000	6.54	11515.325	21330.484	6.748	147.0	-2.0	NO		NO	bb
6	6 180529M1_7	Standard	150.000	6.54	11115.177	21068.318	6.595	143.7	-4.2	NO		NO	bb
7	7 180529M1_8	Standard	150.000	6.54	11041.108	20010.080	6.897	150.3	0.2	NO		NO	bb
8	8 180529M1_9	Standard	150.000	6.54	10497.065	22557.463	5.817	126.7	-15.5	NO		NO	bb
9	9 180529M1_10	Standard	150.000	6.54	10433.975	19112.344	6.824	148.7	-0.9	NO		NO	bb
10	10 180529M1_11	Standard	150.000	6.54	10570.541	17243.078	7.663	167.0	11.3	NO		NO	bb

Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	1.33	8450.384	8450.384	12.500	12.5	0.0	NO		NO	bb
2	2 180529M1_3	Standard	12.500	1.33	8120.251	8120.251	12.500	12.5	0.0	NO		NO	bb
3	3 180529M1_4	Standard	12.500	1.37	7667.154	7667.154	12.500	12.5	0.0	NO		NO	bb
4	4 180529M1_5	Standard	12.500	1.33	8075.738	8075.738	12.500	12.5	0.0	NO		NO	bb
5	5 180529M1_6	Standard	12.500	1.33	8534.358	8534.358	12.500	12.5	0.0	NO		NO	bb
6	6 180529M1_7	Standard	12.500	1.33	8846.830	8846.830	12.500	12.5	0.0	NO		NO	bb
7	7 180529M1_8	Standard	12.500	1.32	8963.867	8963.867	12.500	12.5	0.0	NO		NO	bb
8	8 180529M1_9	Standard	12.500	1.33	8890.610	8890.610	12.500	12.5	0.0	NO		NO	bb
9	9 180529M1_10	Standard	12.500	1.34	8694.876	8694.876	12.500	12.5	0.0	NO		NO	bb
10	10 180529M1_11	Standard	12.500	1.33	8610.404	8610.404	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: 13C5-PFHxA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	3.10	11890.128	11890.128	12.500	12.5	0.0	NO		NO	bb
2	2 180529M1_3	Standard	12.500	3.10	13890.471	13890.471	12.500	12.5	0.0	NO		NO	bb
3	3 180529M1_4	Standard	12.500	3.09	12496.465	12496.465	12.500	12.5	0.0	NO		NO	bb
4	4 180529M1_5	Standard	12.500	3.10	13711.709	13711.709	12.500	12.5	0.0	NO		NO	bb
5	5 180529M1_6	Standard	12.500	3.10	13666.388	13666.388	12.500	12.5	0.0	NO		NO	bb
6	6 180529M1_7	Standard	12.500	3.10	14027.932	14027.932	12.500	12.5	0.0	NO		NO	bb
7	7 180529M1_8	Standard	12.500	3.10	13756.243	13756.243	12.500	12.5	0.0	NO		NO	bb
8	8 180529M1_9	Standard	12.500	3.10	13175.899	13175.899	12.500	12.5	0.0	NO		NO	bb
9	9 180529M1_10	Standard	12.500	3.10	12836.433	12836.433	12.500	12.5	0.0	NO		NO	bb
10	10 180529M1_11	Standard	12.500	3.10	11824.863	11824.863	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	3.87	2750.423	2750.423	12.500	12.5	0.0	NO		NO	bb
2	2 180529M1_3	Standard	12.500	3.87	2846.211	2846.211	12.500	12.5	0.0	NO		NO	bb
3	3 180529M1_4	Standard	12.500	3.87	2828.058	2828.058	12.500	12.5	0.0	NO		NO	bb
4	4 180529M1_5	Standard	12.500	3.87	2846.587	2846.587	12.500	12.5	0.0	NO		NO	bb
5	5 180529M1_6	Standard	12.500	3.87	2991.677	2991.677	12.500	12.5	0.0	NO		NO	bb
6	6 180529M1_7	Standard	12.500	3.87	2909.726	2909.726	12.500	12.5	0.0	NO		NO	bb
7	7 180529M1_8	Standard	12.500	3.87	3001.049	3001.049	12.500	12.5	0.0	NO		NO	bb
8	8 180529M1_9	Standard	12.500	3.87	2895.777	2895.777	12.500	12.5	0.0	NO		NO	bb
9	9 180529M1_10	Standard	12.500	3.88	2721.918	2721.918	12.500	12.5	0.0	NO		NO	bb
10	10 180529M1_11	Standard	12.500	3.88	2401.407	2401.407	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	4.24	9547.994	9547.994	12.500	12.5	0.0	NO		NO	bb
2	2 180529M1_3	Standard	12.500	4.24	11602.253	11602.253	12.500	12.5	0.0	NO		NO	bb
3	3 180529M1_4	Standard	12.500	4.24	11098.755	11098.755	12.500	12.5	0.0	NO		NO	bb
4	4 180529M1_5	Standard	12.500	4.24	11147.993	11147.993	12.500	12.5	0.0	NO		NO	bb
5	5 180529M1_6	Standard	12.500	4.25	11126.528	11126.528	12.500	12.5	0.0	NO		NO	bb
6	6 180529M1_7	Standard	12.500	4.25	10587.652	10587.652	12.500	12.5	0.0	NO		NO	bb
7	7 180529M1_8	Standard	12.500	4.25	11734.100	11734.100	12.500	12.5	0.0	NO		NO	bb
8	8 180529M1_9	Standard	12.500	4.25	11850.442	11850.442	12.500	12.5	0.0	NO		NO	bb
9	9 180529M1_10	Standard	12.500	4.25	10308.486	10308.486	12.500	12.5	0.0	NO		NO	bb
10	10 180529M1_11	Standard	12.500	4.25	9606.630	9606.630	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	4.69	11257.542	11257.542	12.500	12.5	0.0	NO		NO	bb
2	2 180529M1_3	Standard	12.500	4.69	14273.160	14273.160	12.500	12.5	0.0	NO		NO	bb
3	3 180529M1_4	Standard	12.500	4.68	13791.862	13791.862	12.500	12.5	0.0	NO		NO	bb
4	4 180529M1_5	Standard	12.500	4.69	14507.012	14507.012	12.500	12.5	0.0	NO		NO	bb
5	5 180529M1_6	Standard	12.500	4.69	15372.662	15372.662	12.500	12.5	0.0	NO		NO	bb
6	6 180529M1_7	Standard	12.500	4.69	15402.973	15402.973	12.500	12.5	0.0	NO		NO	bb
7	7 180529M1_8	Standard	12.500	4.69	14370.057	14370.057	12.500	12.5	0.0	NO		NO	bb
8	8 180529M1_9	Standard	12.500	4.69	15096.309	15096.309	12.500	12.5	0.0	NO		NO	bb
9	9 180529M1_10	Standard	12.500	4.69	14588.406	14588.406	12.500	12.5	0.0	NO		NO	bb
10	10 180529M1_11	Standard	12.500	4.69	11768.184	11768.184	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: 13C4-PFOS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	4.77	2633.912	2633.912	12.500	12.5	0.0	NO		NO	bb
2	2 180529M1_3	Standard	12.500	4.77	2925.664	2925.664	12.500	12.5	0.0	NO		NO	bb
3	3 180529M1_4	Standard	12.500	4.76	2915.209	2915.209	12.500	12.5	0.0	NO		NO	bb
4	4 180529M1_5	Standard	12.500	4.77	2934.167	2934.167	12.500	12.5	0.0	NO		NO	bb
5	5 180529M1_6	Standard	12.500	4.77	2826.335	2826.335	12.500	12.5	0.0	NO		NO	bb
6	6 180529M1_7	Standard	12.500	4.77	2941.626	2941.626	12.500	12.5	0.0	NO		NO	bb
7	7 180529M1_8	Standard	12.500	4.77	2667.291	2667.291	12.500	12.5	0.0	NO		NO	bb
8	8 180529M1_9	Standard	12.500	4.77	2684.539	2684.539	12.500	12.5	0.0	NO		NO	bb
9	9 180529M1_10	Standard	12.500	4.77	2673.271	2673.271	12.500	12.5	0.0	NO		NO	bb
10	10 180529M1_11	Standard	12.500	4.77	2254.020	2254.020	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	5.06	15991.064	15991.064	12.500	12.5	0.0	NO		NO	bb
2	2 180529M1_3	Standard	12.500	5.06	17572.932	17572.932	12.500	12.5	0.0	NO		NO	bb
3	3 180529M1_4	Standard	12.500	5.06	17833.371	17833.371	12.500	12.5	0.0	NO		NO	bb
4	4 180529M1_5	Standard	12.500	5.06	14241.922	14241.922	12.500	12.5	0.0	NO		NO	bb
5	5 180529M1_6	Standard	12.500	5.06	17694.439	17694.439	12.500	12.5	0.0	NO		NO	bb
6	6 180529M1_7	Standard	12.500	5.06	19459.184	19459.184	12.500	12.5	0.0	NO		NO	bb
7	7 180529M1_8	Standard	12.500	5.06	18713.697	18713.697	12.500	12.5	0.0	NO		NO	bb
8	8 180529M1_9	Standard	12.500	5.06	17339.865	17339.865	12.500	12.5	0.0	NO		NO	bb
9	9 180529M1_10	Standard	12.500	5.06	18639.545	18639.545	12.500	12.5	0.0	NO		NO	bb
10	10 180529M1_11	Standard	12.500	5.06	16017.024	16017.024	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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Compound name: 13C7-PFUdA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180529M1_2	Standard	12.500	5.39	17580.447	17580.447	12.500	12.5	0.0	NO		NO	bb
2	2 180529M1_3	Standard	12.500	5.39	20781.498	20781.498	12.500	12.5	0.0	NO		NO	bb
3	3 180529M1_4	Standard	12.500	5.39	21764.207	21764.207	12.500	12.5	0.0	NO		NO	bb
4	4 180529M1_5	Standard	12.500	5.39	21786.832	21786.832	12.500	12.5	0.0	NO		NO	bb
5	5 180529M1_6	Standard	12.500	5.39	21330.484	21330.484	12.500	12.5	0.0	NO		NO	bb
6	6 180529M1_7	Standard	12.500	5.39	21068.318	21068.318	12.500	12.5	0.0	NO		NO	bb
7	7 180529M1_8	Standard	12.500	5.39	20010.080	20010.080	12.500	12.5	0.0	NO		NO	bb
8	8 180529M1_9	Standard	12.500	5.39	22557.463	22557.463	12.500	12.5	0.0	NO		NO	bb
9	9 180529M1_10	Standard	12.500	5.39	19112.344	19112.344	12.500	12.5	0.0	NO		NO	bb
10	10 180529M1_11	Standard	12.500	5.39	17243.078	17243.078	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:08:18 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 08:35:39

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_2, Date: 29-May-2018, Time: 17:50:51, ID: ST180529M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

#	Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	36	0.9997	NO	
2	2 PFPeA	37	0.9999	NO	
3	3 PFBS	38	0.9994	NO	
4	4 4:2 FTS	39	0.9999	NO	
5	5 PFHxA	40	0.9988	NO	
6	6 PFPeS	38	0.9995	NO	
7	7 PFHpA	41	0.9980	NO	
8	8 L-PFHxS	42	0.9995	NO	
9	10 6:2 FTS	43	0.9982	NO	
10	11 L-PFOA	44	0.9980	NO	
11	13 PFHpS	44	0.9974	NO	
12	14 PFNA	45	0.9996	NO	
13	15 PFOSA	46	0.9973	NO	
14	16 L-PFOS	47	0.9997	NO	
15	18 PFDA	48	0.9998	NO	
16	19 8:2 FTS	49	0.9987	NO	
17	20 PFNS	47	0.9987	NO	
18	21 L-MeFOSAA	50	0.9999	NO	
19	23 L-EtFOSAA	51	0.9992	NO	

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:08:33 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 08:35:39

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_2, Date: 29-May-2018, Time: 17:50:51, ID: ST180529M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

#	Name	IS#	CoD	CoD Flag	%RSD
1	25 PFUdA	52	0.9978	NO	
2	26 PFDS	52	0.9970	NO	
3	27 PFDoA	53	0.9985	NO	
4	28 N-MeFOSA	54	0.9999	NO	
5	29 PFTeDA	53	0.9970	NO	
6	30 PFTeDA	55	0.9998	NO	
7	31 N-EtFOSA	56	0.9999	NO	
8	32 PFHxDA	57	0.9999	NO	
9	33 PFODA	57	1.0000	NO	
10	34 N-MeFOSE	58	0.9992	NO	
11	35 N-EtFOSE	59	0.9995	NO	
12	36 13C3-PFBA	60		NO	1.514
13	37 13C3-PFPeA	61		NO	4.806
14	38 13C3-PFBS	61		NO	6.833
15	39 13C2-4:2 FTS	61		NO	10.488
16	40 13C2-PFHxA	61		NO	4.266
17	41 13C4-PFHpA	61		NO	3.752
18	42 18O2-PFHxS	62		NO	3.547
19	43 13C2-6:2 FTS	63		NO	5.859
20	44 13C2-PFOA	63		NO	6.193
21	45 13C5-PFNA	64		NO	9.329
22	46 13C8-PFOSA	67		NO	7.685
23	47 13C8-PFOS	65		NO	5.494
24	48 13C2-PFDA	66		NO	9.086
25	49 13C2-8:2 FTS	61		NO	10.476
26	50 d3-N-MeFOSAA	67		NO	7.989
27	51 d5-N-EtFOSAA	67		NO	8.548
28	52 13C2-PFUdA	67		NO	8.433
29	53 13C2-PFDoA	66		NO	14.759
30	54 d3-N-MeFOSA	67		NO	9.092
31	55 13C2-PFTeDA	67		NO	8.764
32	56 d5-N-ETFOSA	67		NO	9.169

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:08:33 Pacific Daylight Time

Name: 180529M1_2, Date: 29-May-2018, Time: 17:50:51, ID: ST180529M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

	# Name	IS#	CoD	CoD Flag	%RSD
33	57 13C2-PFHxDA	67		NO	7.007
34	58 d7-N-MeFOSE	67		NO	13.326
35	59 d9-N-EtFOSE	67		NO	10.364
36	60 13C4-PFBA	60		NO	0.000
37	61 13C5-PFHxA	61		NO	0.000
38	62 13C3-PFHxS	62		NO	0.000
39	63 13C8-PFOA	63		NO	0.000
40	64 13C9-PFNA	64		NO	0.000
41	65 13C4-PFOS	65		NO	0.000
42	66 13C6-PFDA	66		NO	0.000
43	67 13C7-PFUdA	67		NO	0.000

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:09:58 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 08:35:39

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_7, Date: 29-May-2018, Time: 18:47:55, ID: ST180529M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.699	NO
4	4:2 FTS	1.804	NO
5	PFHxA	217.913	NO
6	PFPeS	1.779	NO
7	PFHpA	13.681	NO
8	L-PFHxS	1.785	NO
9	6:2 FTS	2.979	NO
10	L-PFOA	3.678	NO
11	PFHpS	2.010	NO
12	PFNA	4.571	NO
13	PFOSA	19.086	NO
14	L-PFOS	1.777	NO
15	PFDA	6.406	NO
16	8:2 FTS	2.689	NO
17	PFNS	1.796	NO
18	L-MeFOSAA	17.055	NO
19	L-EtFOSAA	19.692	NO

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:11 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 08:35:39

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_7, Date: 29-May-2018, Time: 18:47:55, ID: ST180529M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

	Name	Ion Ratio	Ratio out?
1	PFUdA	8.249	NO
2	PFDS	2.259	NO
3	PFDoA	8.702	NO
4	N-MeFOSA	1.372	NO
5	PFTrDA	23.313	NO
6	PFTeDA	12.579	NO
7	N-EtFOSA	1.513	NO
8	PFHxDA	35.800	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 10:16:55 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:17:22 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 180529M1_1	IPA	29-May-18	17:40:21
2	2 180529M1_2	ST180529M1-1 PFC CS-2 18E2202	29-May-18	17:50:51
3	3 180529M1_3	ST180529M1-2 PFC CS-1 18E2203	29-May-18	18:01:16
4	4 180529M1_4	ST180529M1-3 PFC CS0 18E2204	29-May-18	18:16:35
5	5 180529M1_5	ST180529M1-4 PFC CS1 18E2205	29-May-18	18:27:01
6	6 180529M1_6	ST180529M1-5 PFC CS2 18E2206	29-May-18	18:37:31
7	7 180529M1_7	ST180529M1-6 PFC CS3 18E2207	29-May-18	18:47:55
8	8 180529M1_8	ST180529M1-7 PFC CS4 18E2208	29-May-18	18:58:25
9	9 180529M1_9	ST180529M1-8 PFC CS5 18E2209	29-May-18	19:08:47
10	10 180529M1_10	ST180529M1-9 PFC CS6 18E2210	29-May-18	19:19:17
11	11 180529M1_11	ST180529M1-10 PFC CS7 18E2211	29-May-18	19:29:43
12	12 180529M1_12	IPA	29-May-18	19:40:13
13	13 180529M1_13	ICV180529M1-1 PFC 537 ICV 18E2901	29-May-18	19:50:43
14	14 180529M1_14	IPA	29-May-18	20:01:08

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 08:35:39

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

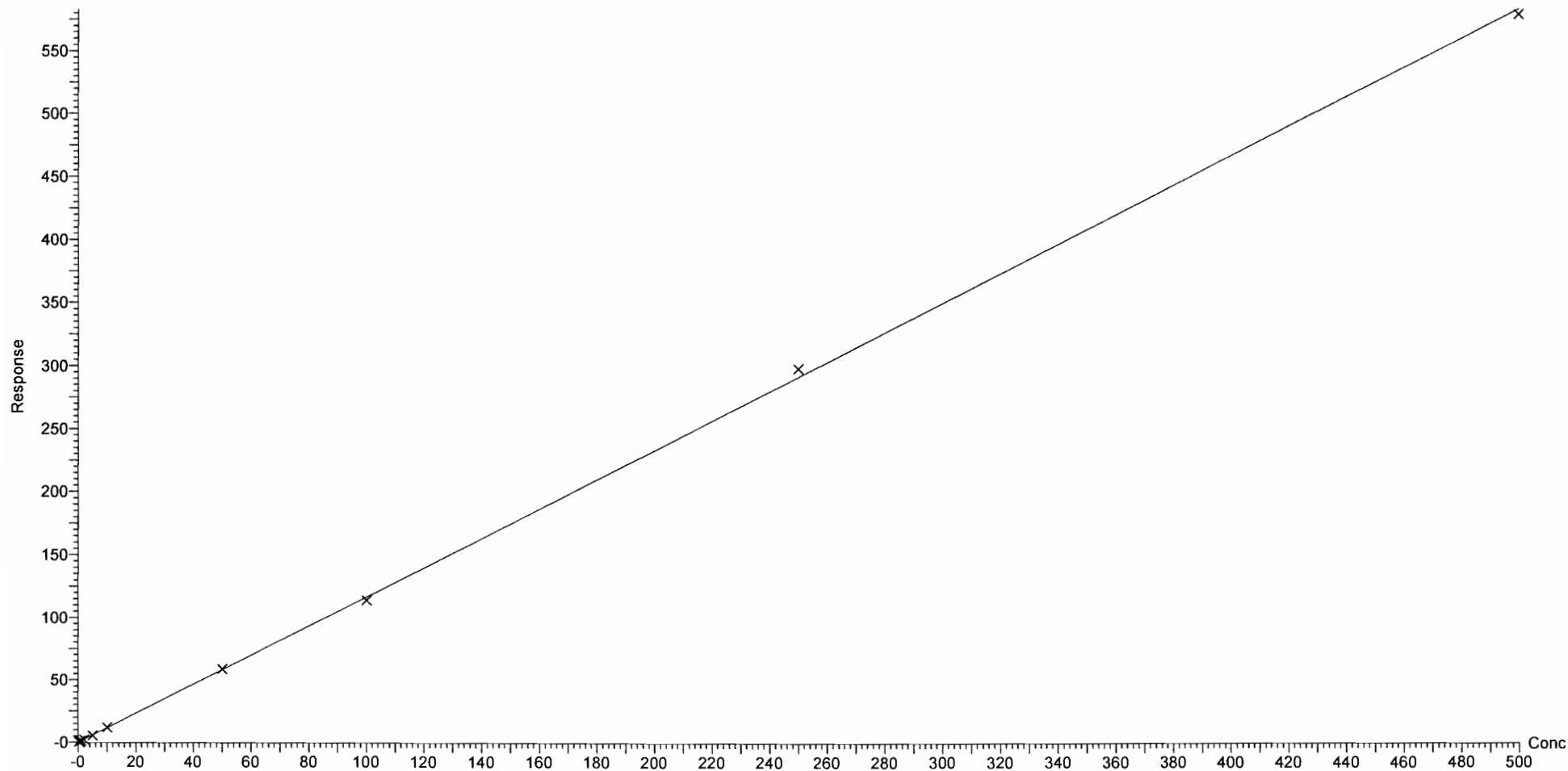
Compound name: PFBA

Correlation coefficient: $r = 0.999873$, $r^2 = 0.999745$

Calibration curve: $1.16543 * x + -0.0177598$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

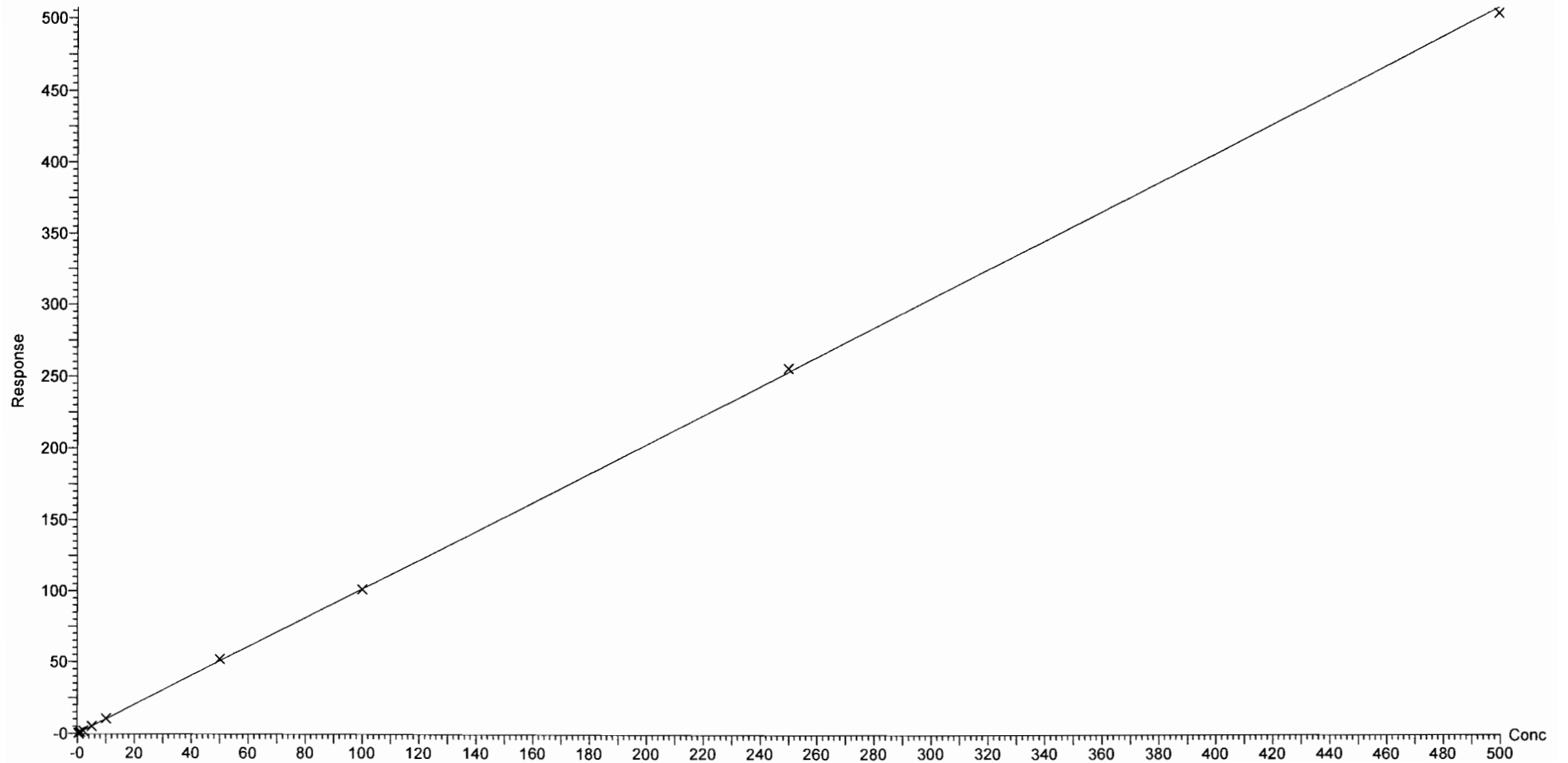
Compound name: PFPeA

Correlation coefficient: $r = 0.999947$, $r^2 = 0.999893$

Calibration curve: $1.01435 * x + 0.0279996$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

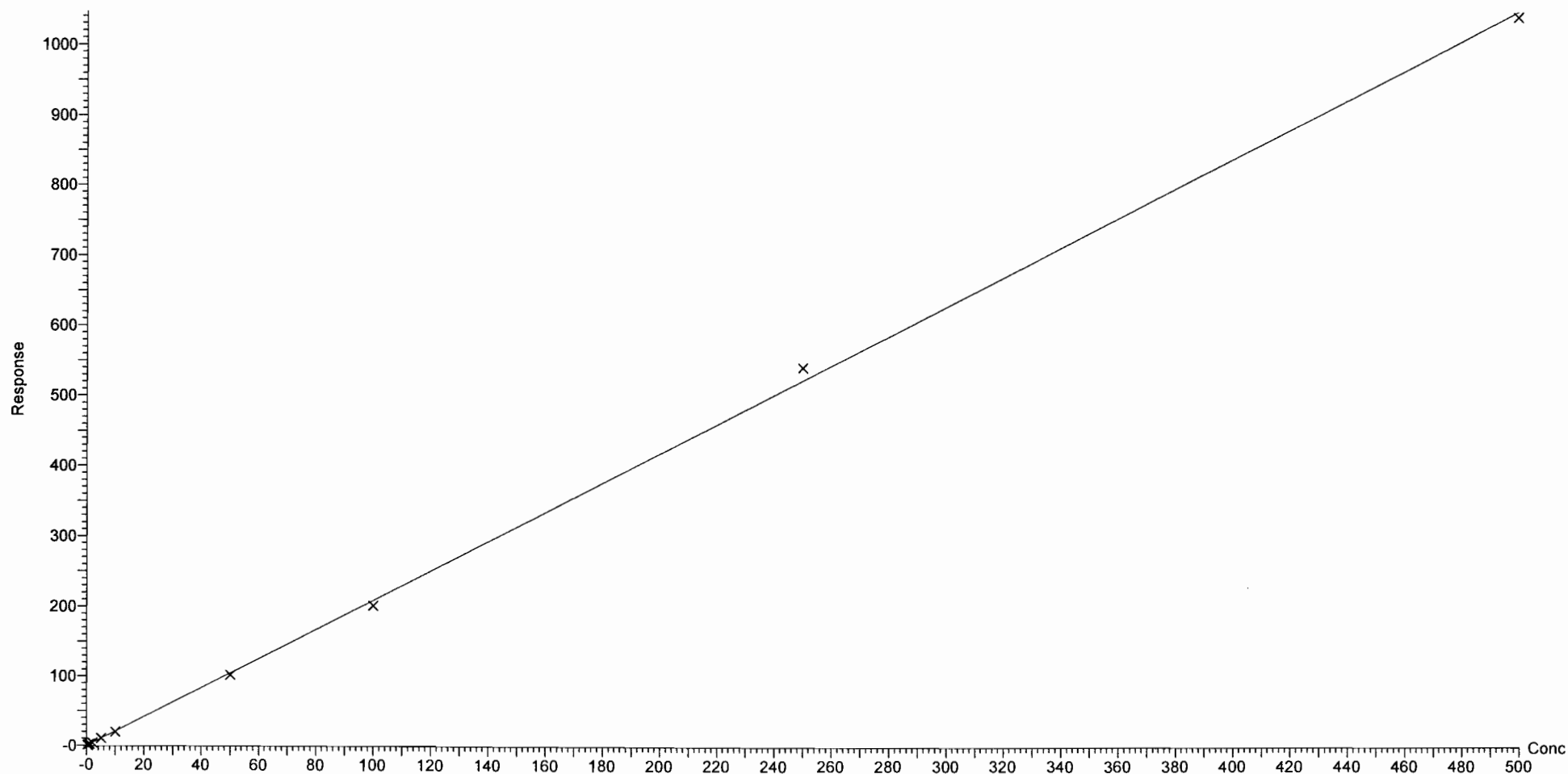
Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999397$

Calibration curve: $3.92231e-006 * x^2 + 2.09026 * x + -0.0978358$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

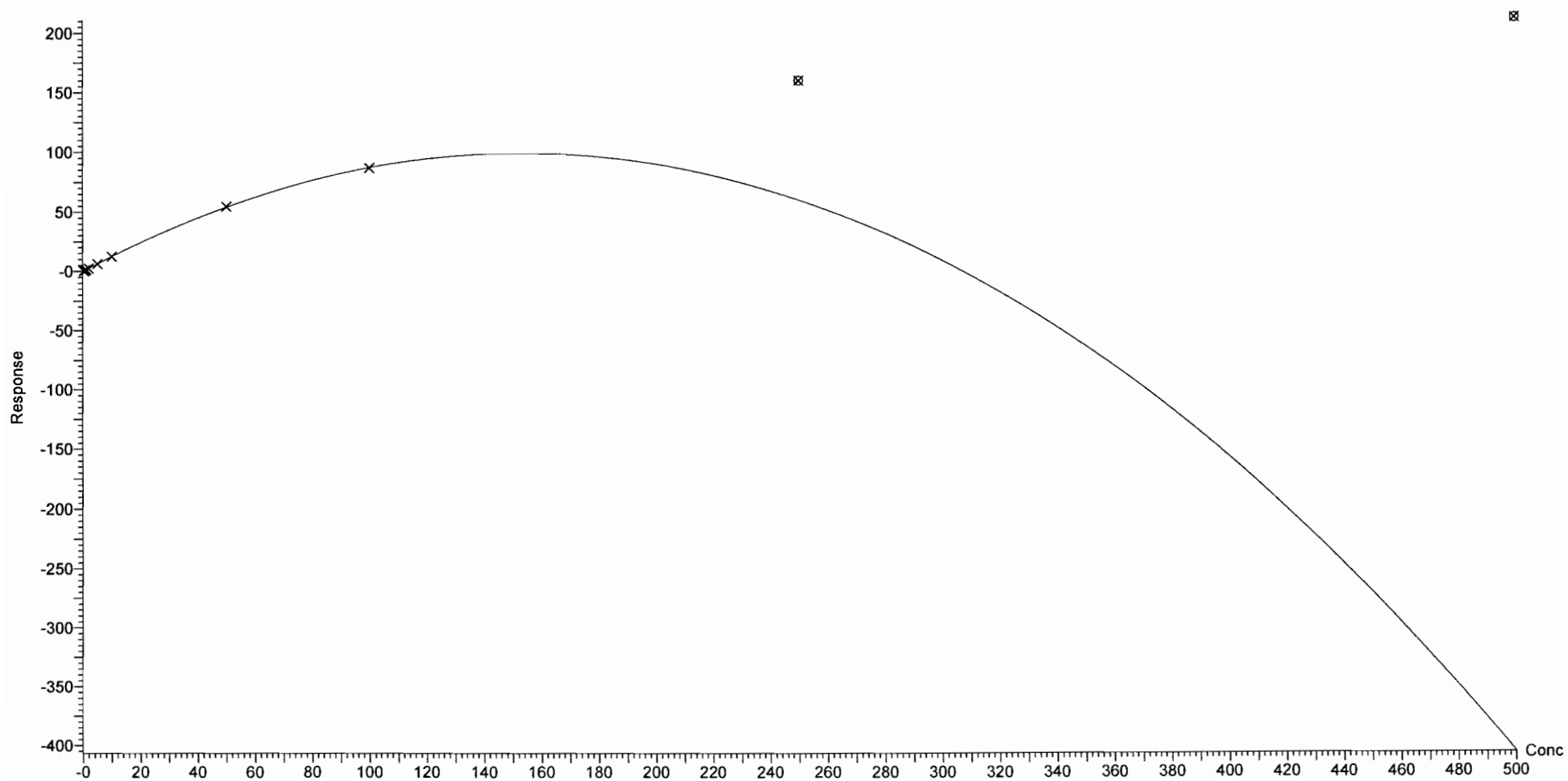
Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.999866$

Calibration curve: $-0.00421006 * x^2 + 1.29211 * x + -0.035748$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

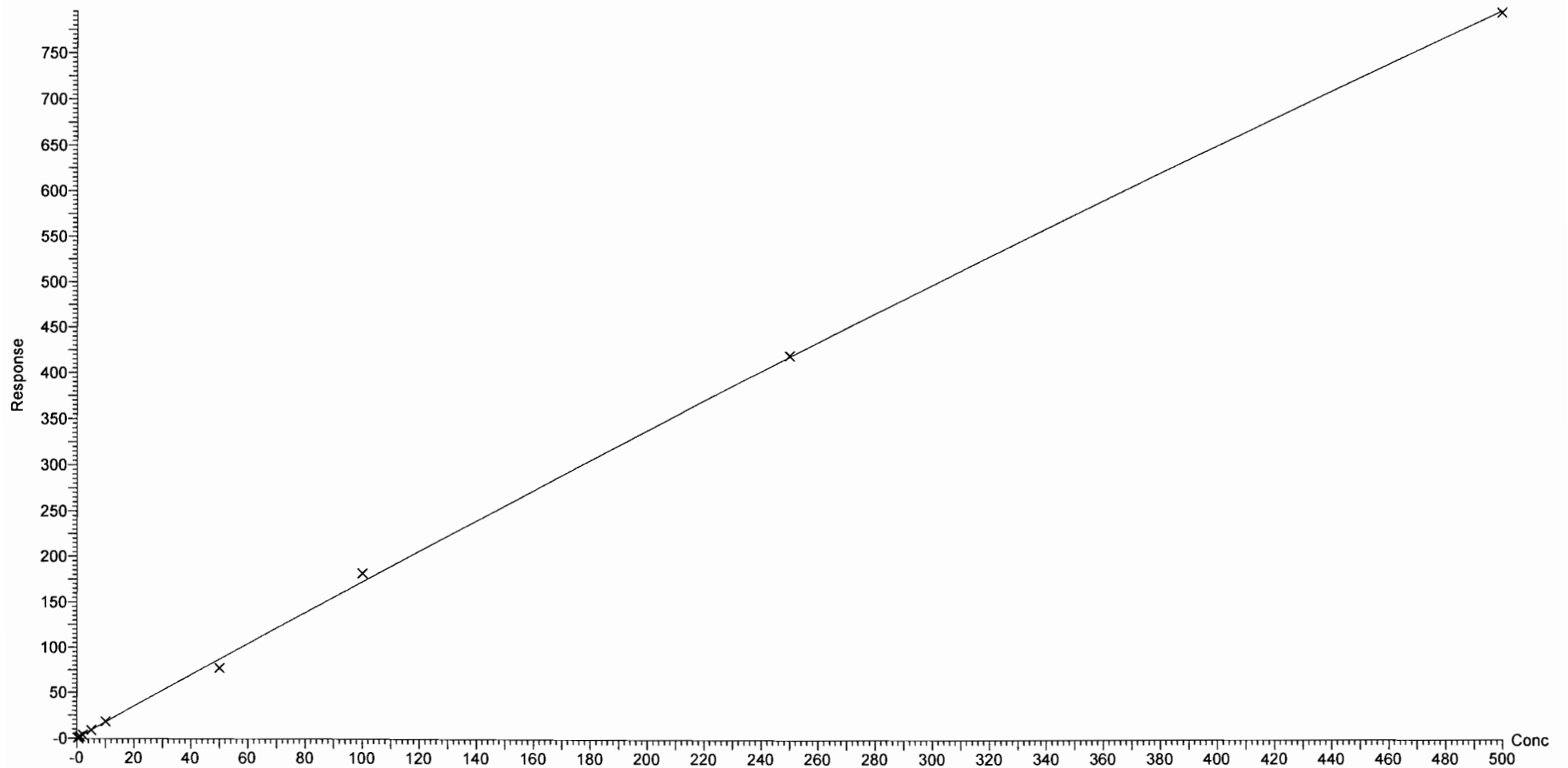
Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.998817$

Calibration curve: $-0.000338085 * x^2 + 1.75941 * x + -0.00603483$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

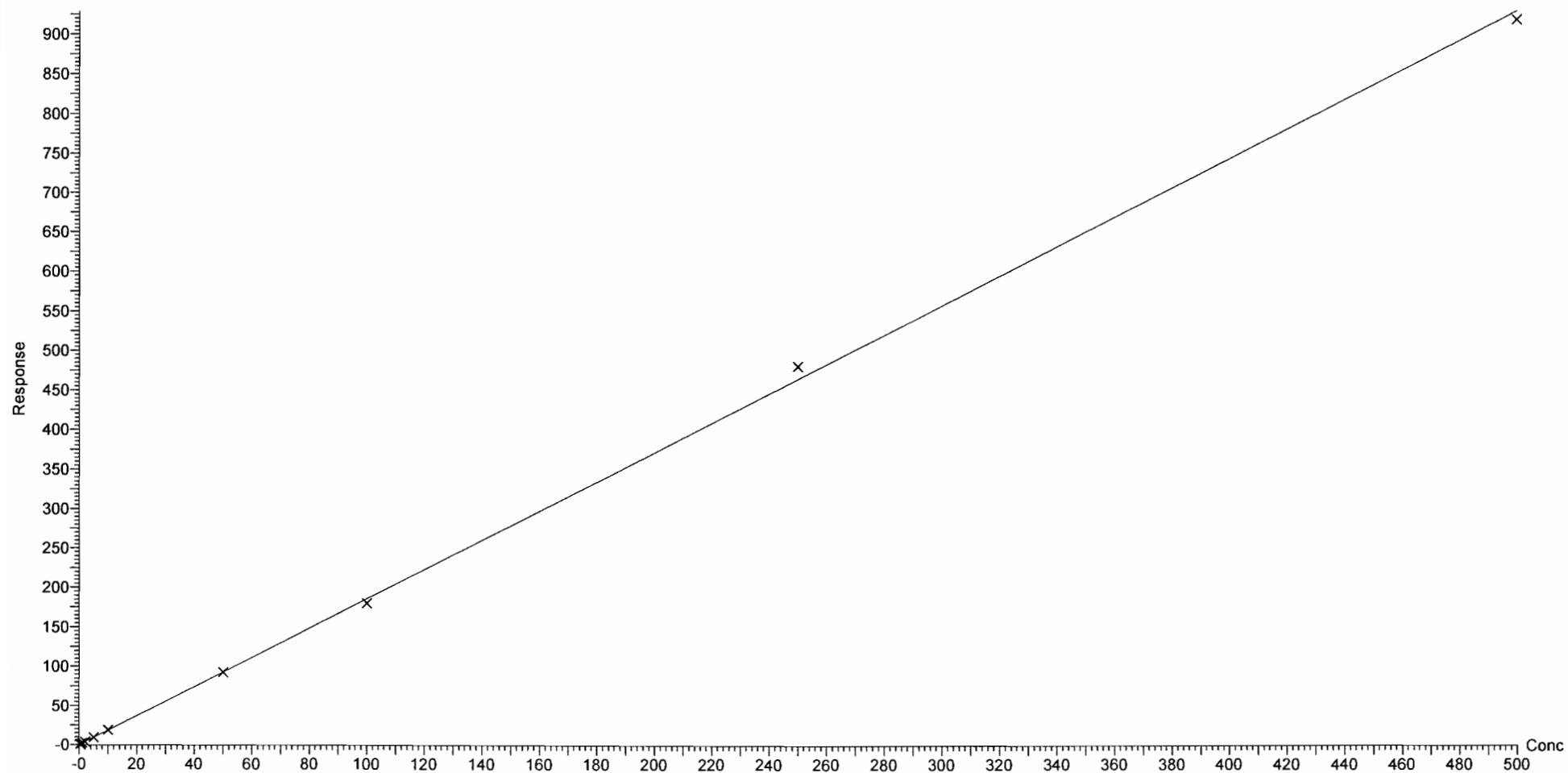
Compound name: PFPeS

Correlation coefficient: $r = 0.999744$, $r^2 = 0.999488$

Calibration curve: $1.85711 * x + -0.0299047$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

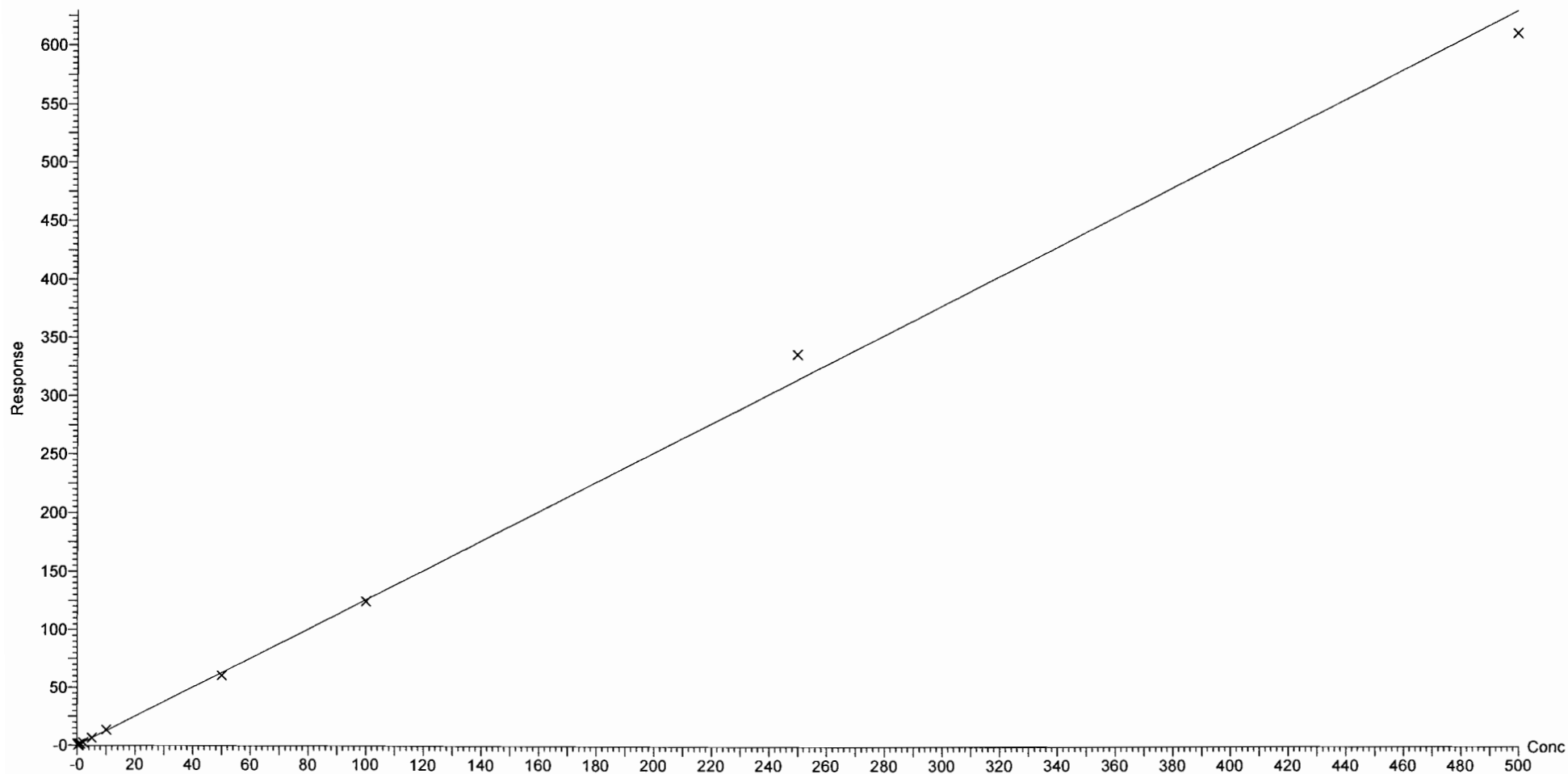
Compound name: PFHpA

Correlation coefficient: $r = 0.999012$, $r^2 = 0.998025$

Calibration curve: $1.25866 * x + 0.0257688$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

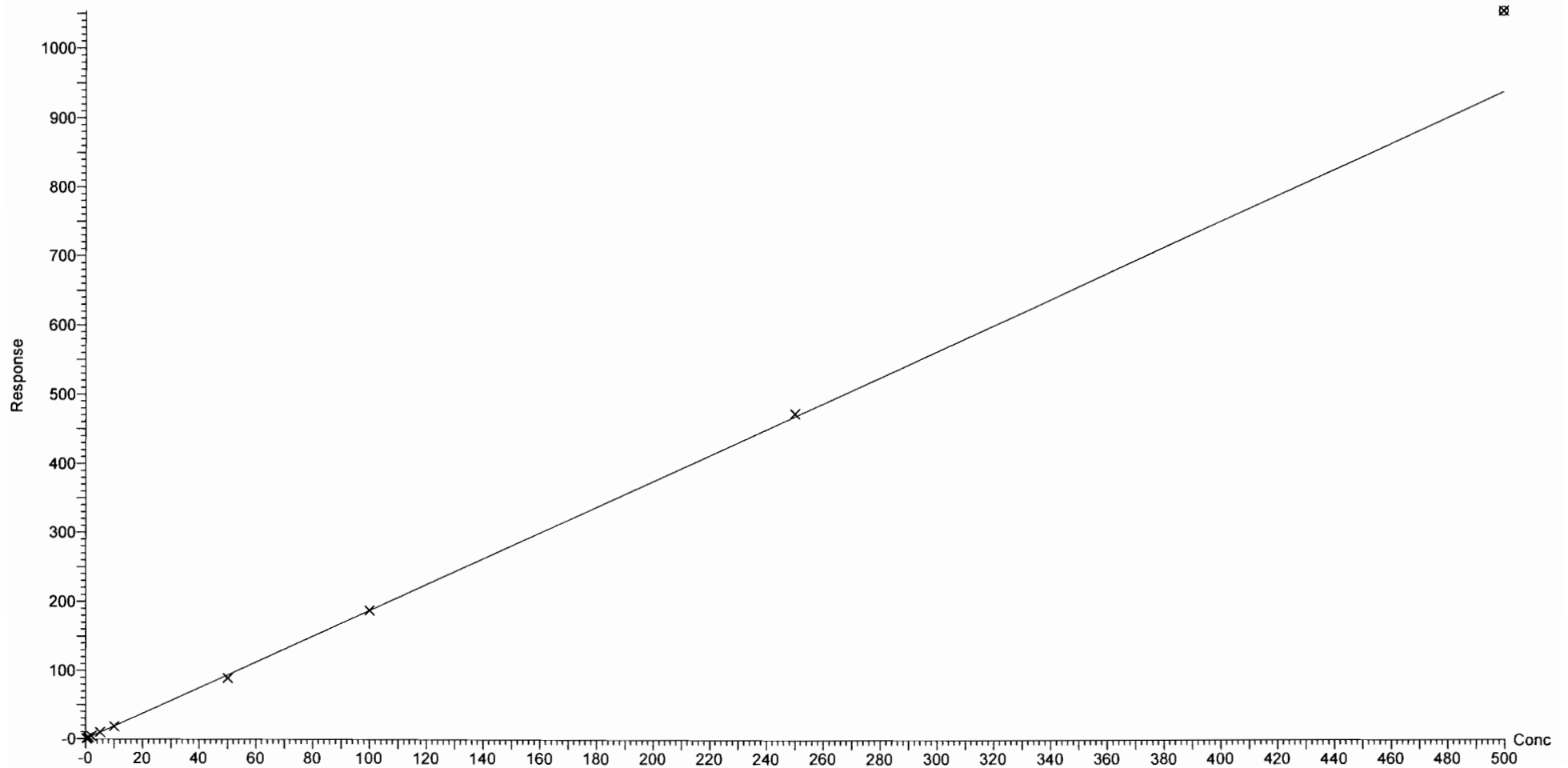
Compound name: L-PFHxS

Correlation coefficient: $r = 0.999763$, $r^2 = 0.999526$

Calibration curve: $1.87557 * x + -0.00390552$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

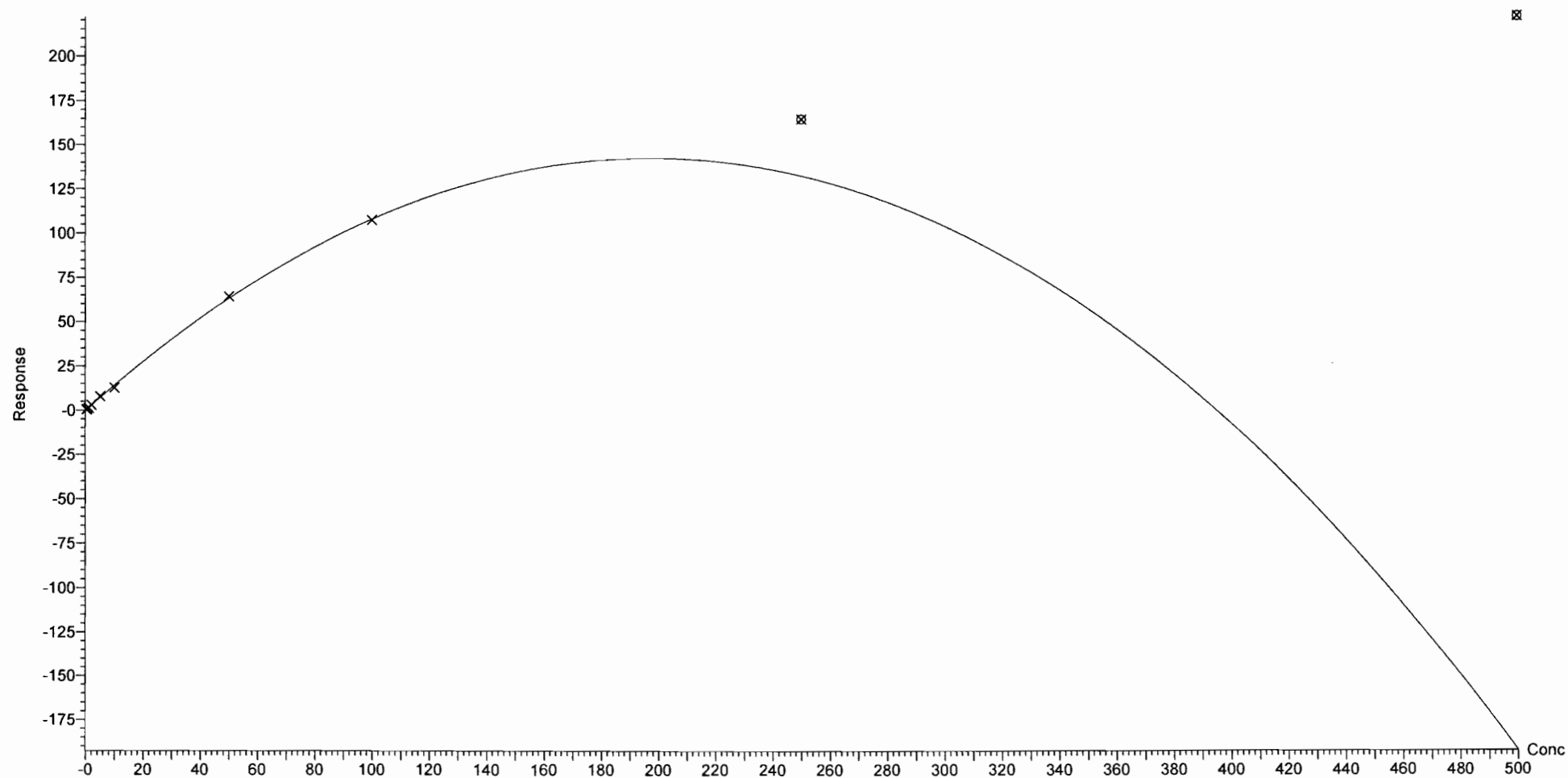
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.998198$

Calibration curve: $-0.00365674 * x^2 + 1.4433 * x + -0.00189642$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

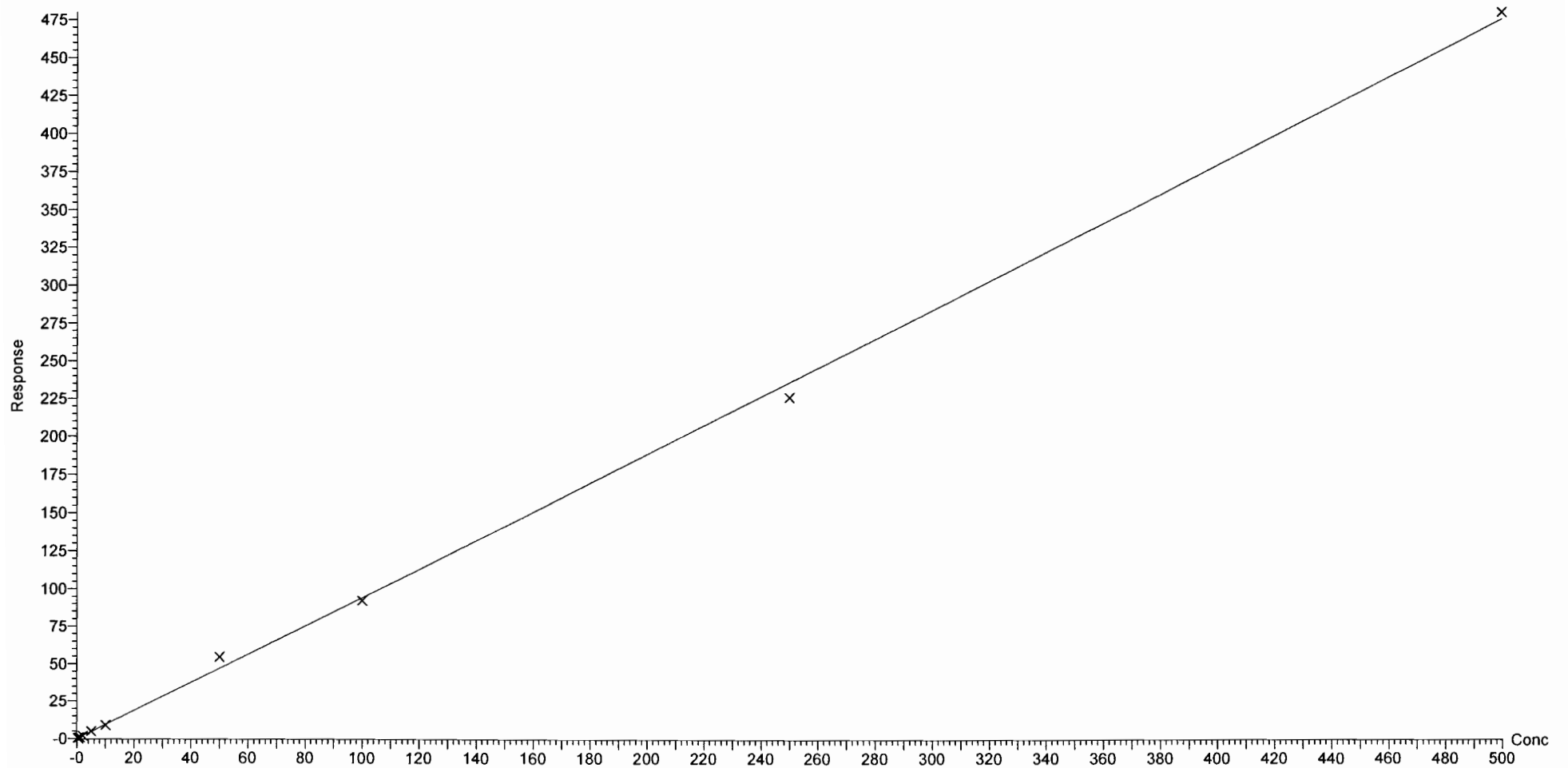
Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.997985$

Calibration curve: $2.39833e-005 * x^2 + 0.93871 * x + 0.053869$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

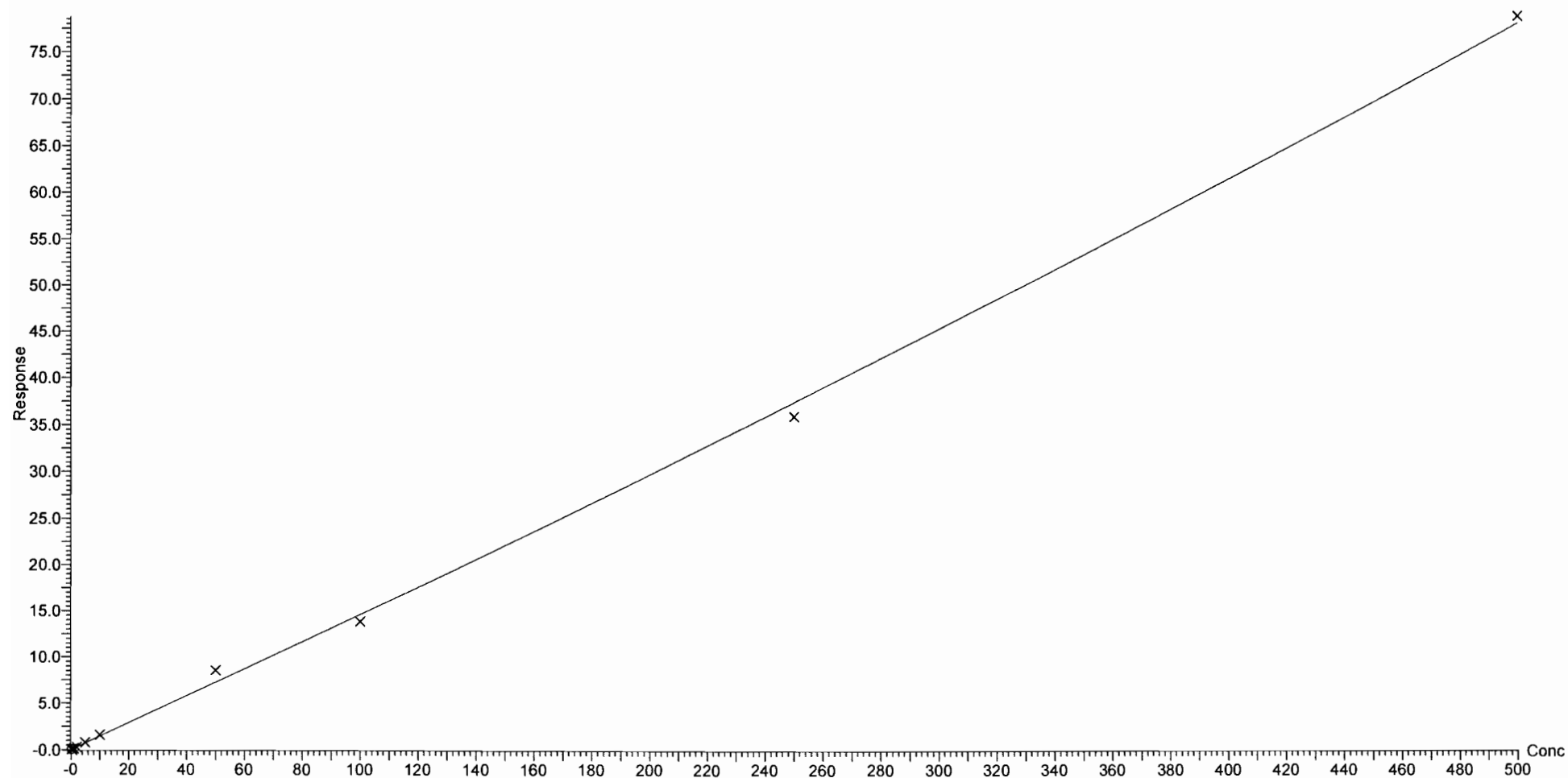
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.997449$

Calibration curve: $2.49741e-005 * x^2 + 0.143427 * x + 0.0178217$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

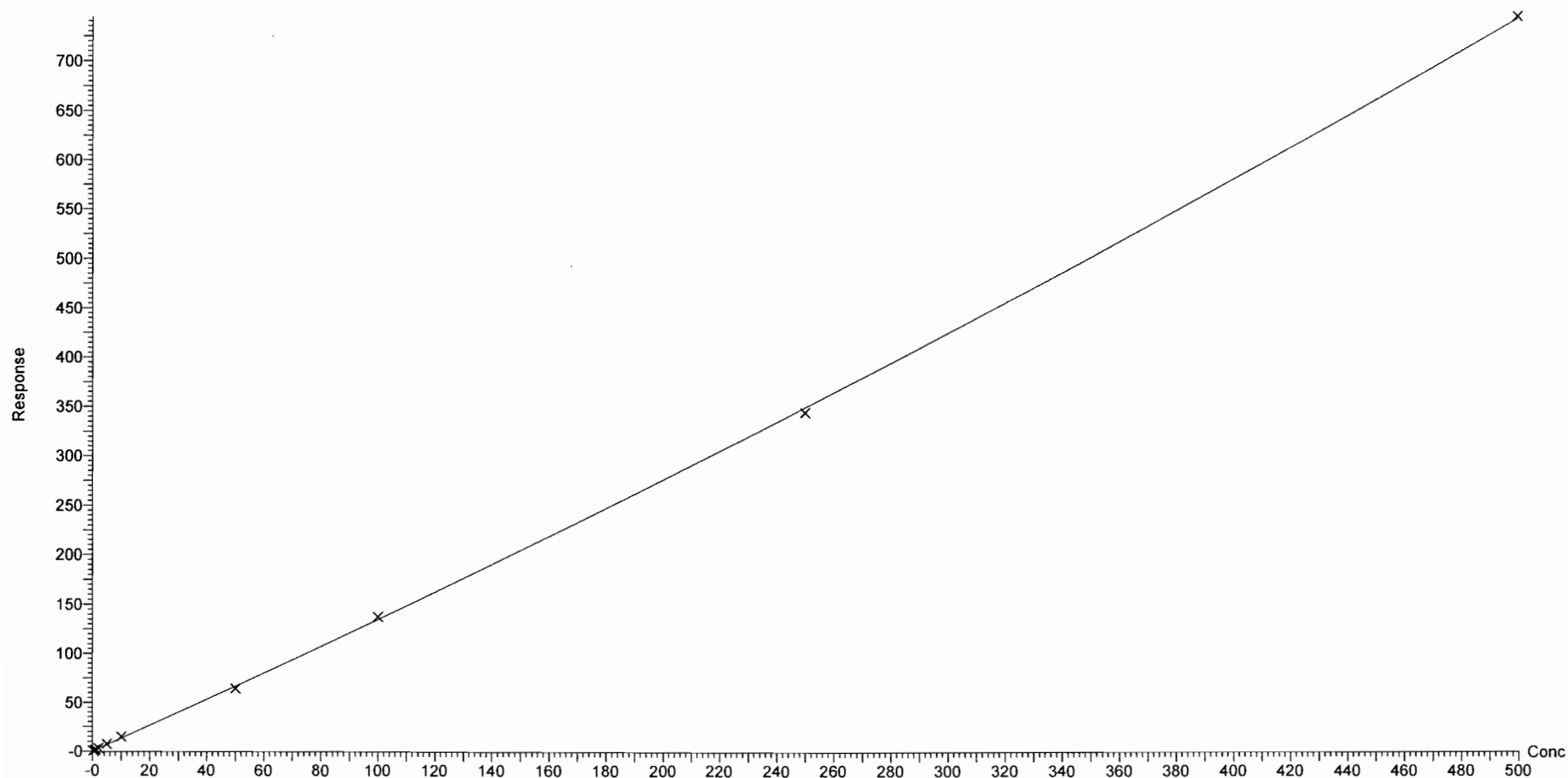
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999604$

Calibration curve: $0.00034192 * x^2 + 1.31244 * x + 0.14014$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

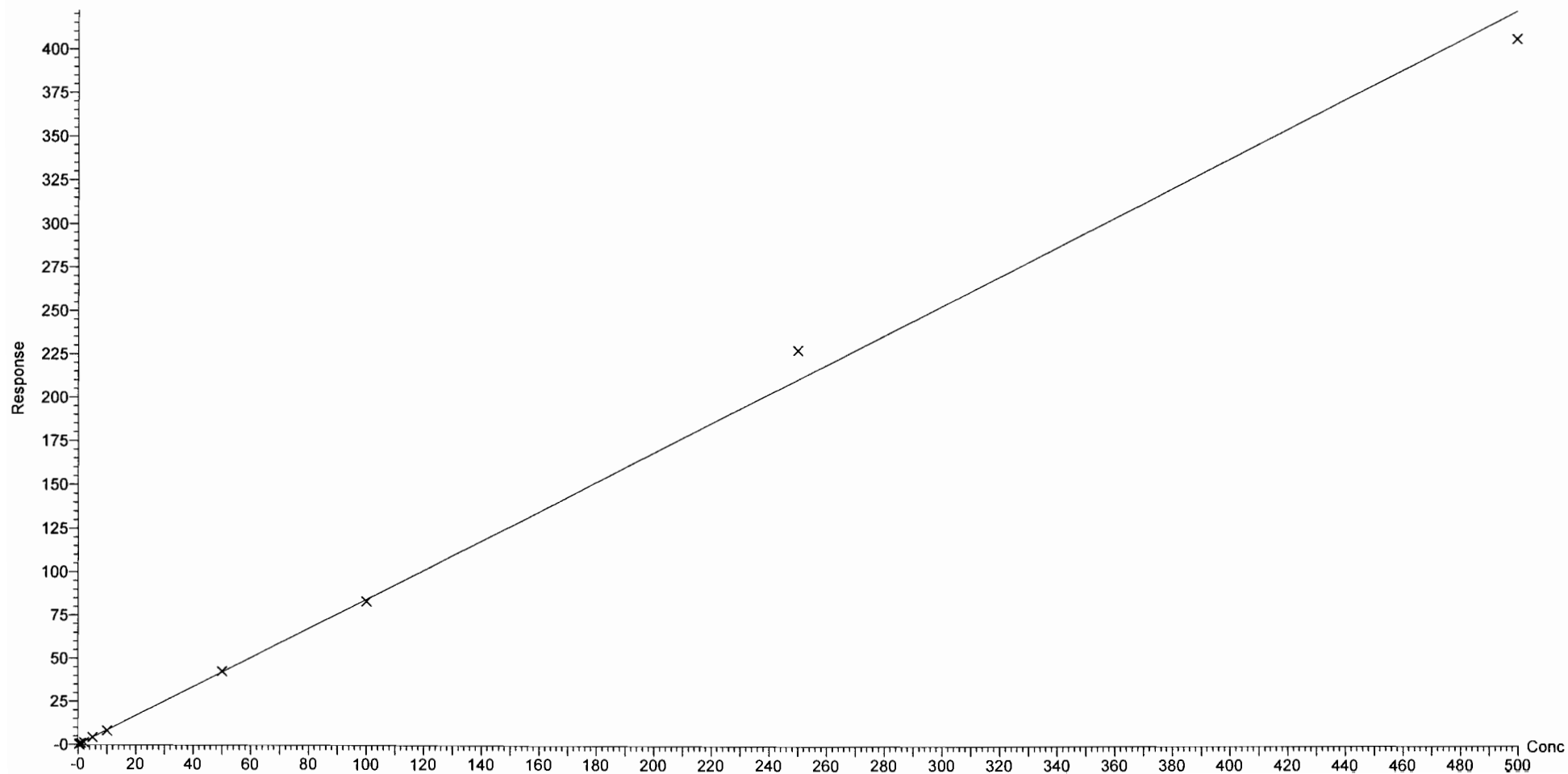
Compound name: PFOSA

Correlation coefficient: $r = 0.998654$, $r^2 = 0.997310$

Calibration curve: $0.843528 * x + 0.0110592$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

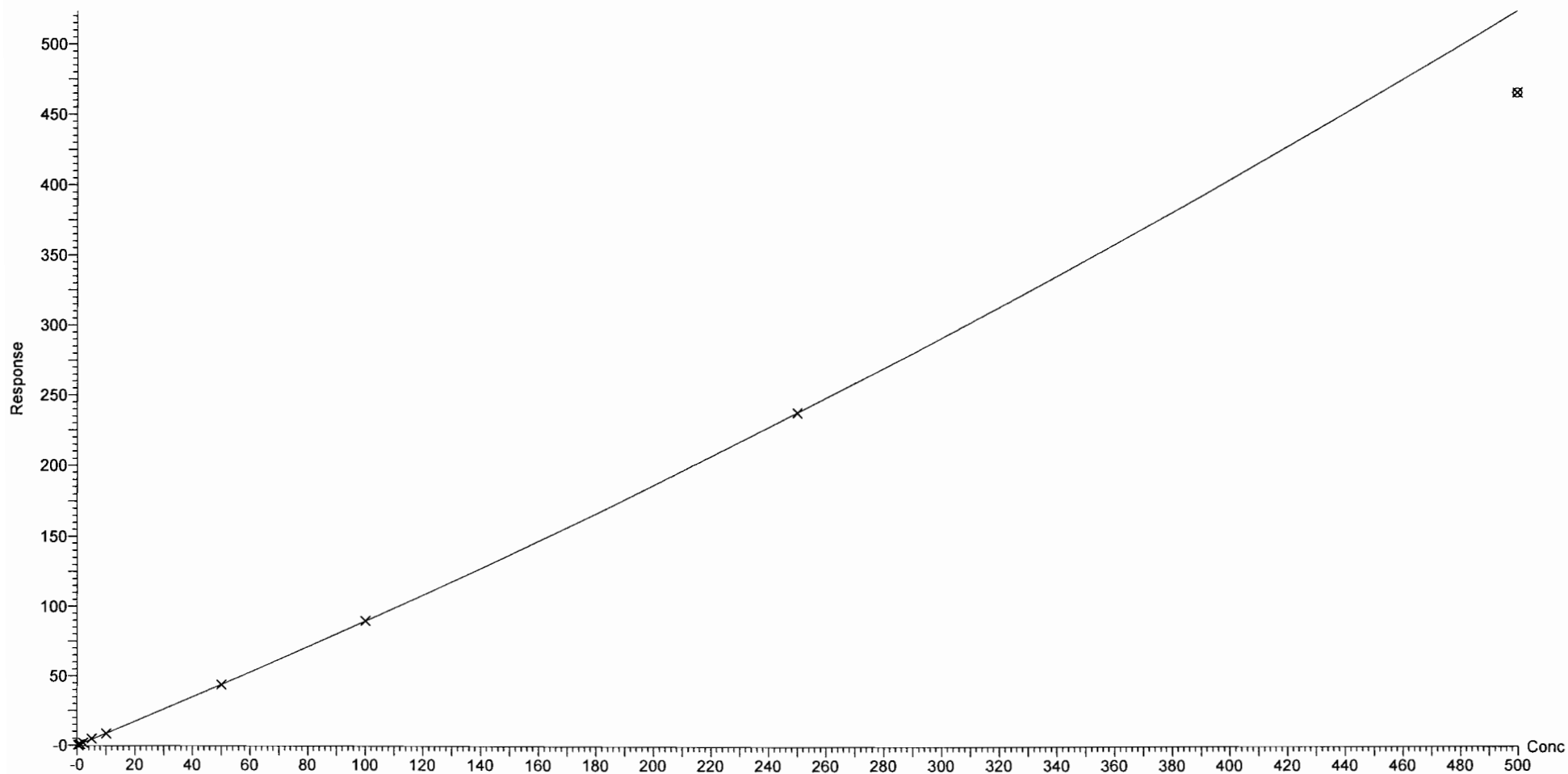
Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.999663$

Calibration curve: $0.000377115 * x^2 + 0.858411 * x + 0.0239853$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

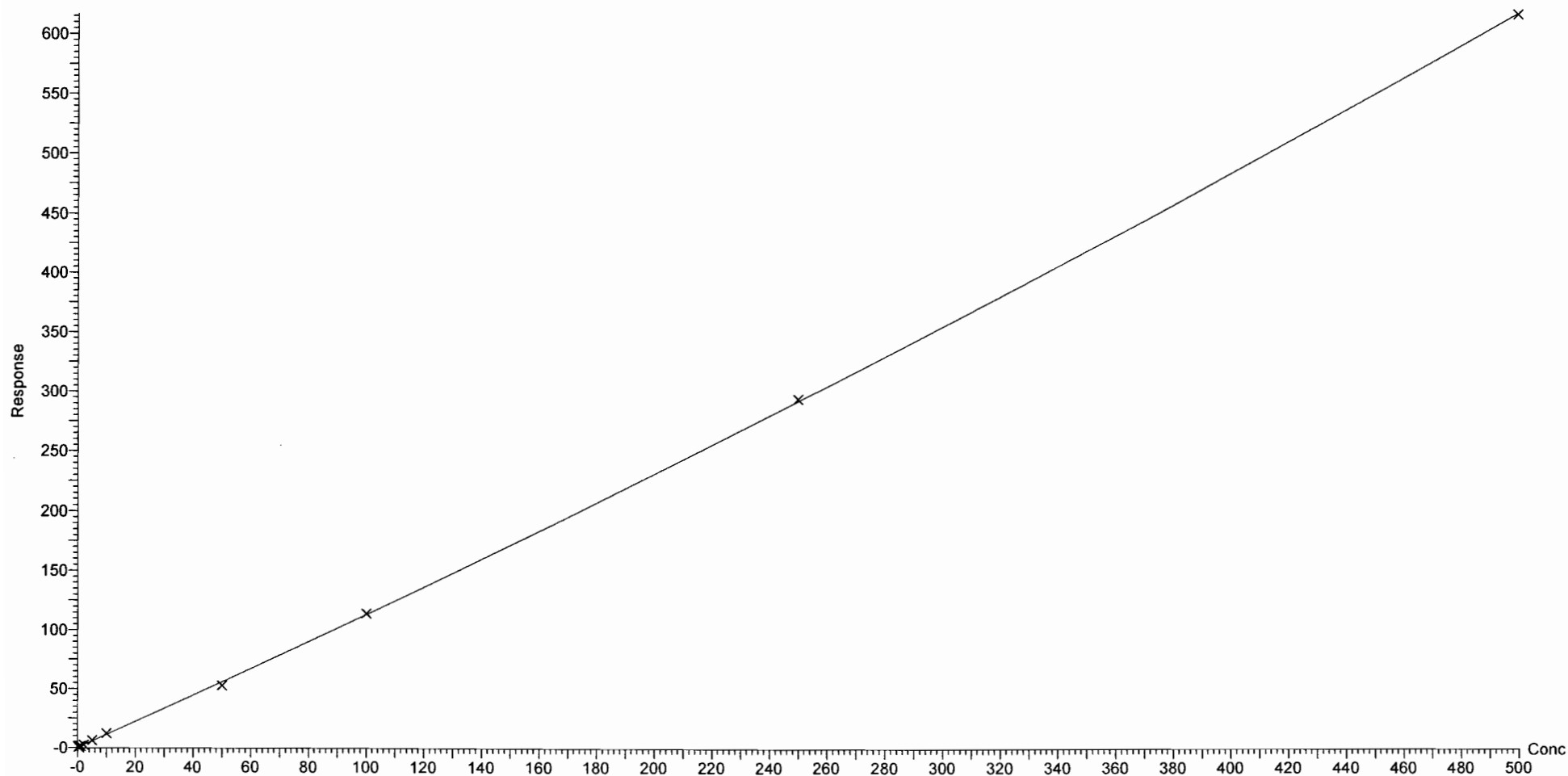
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999778$

Calibration curve: $0.00025705 * x^2 + 1.10495 * x + 0.0528981$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

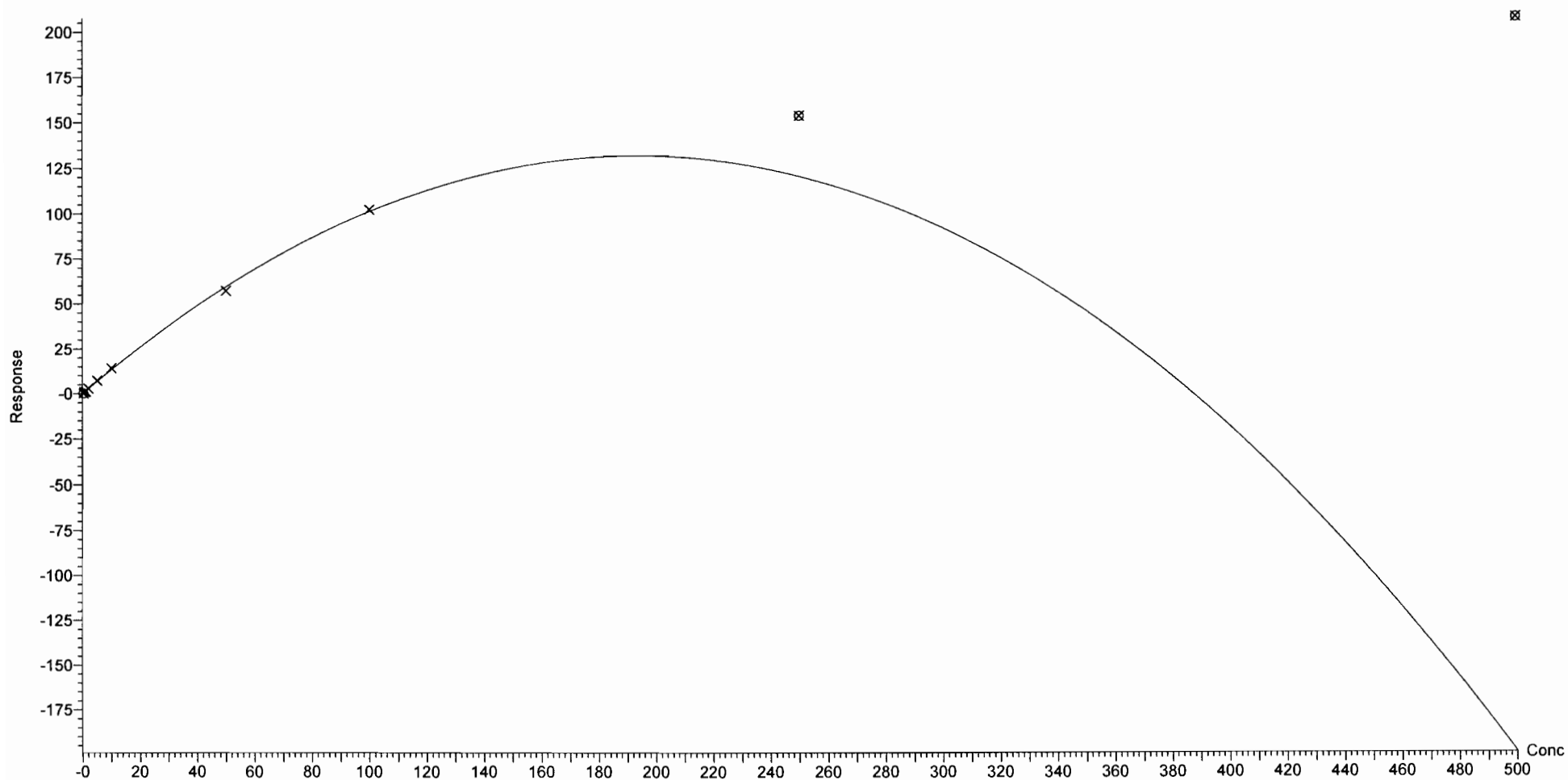
Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.998667$

Calibration curve: $-0.00351959 * x^2 + 1.36197 * x + 0.166072$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

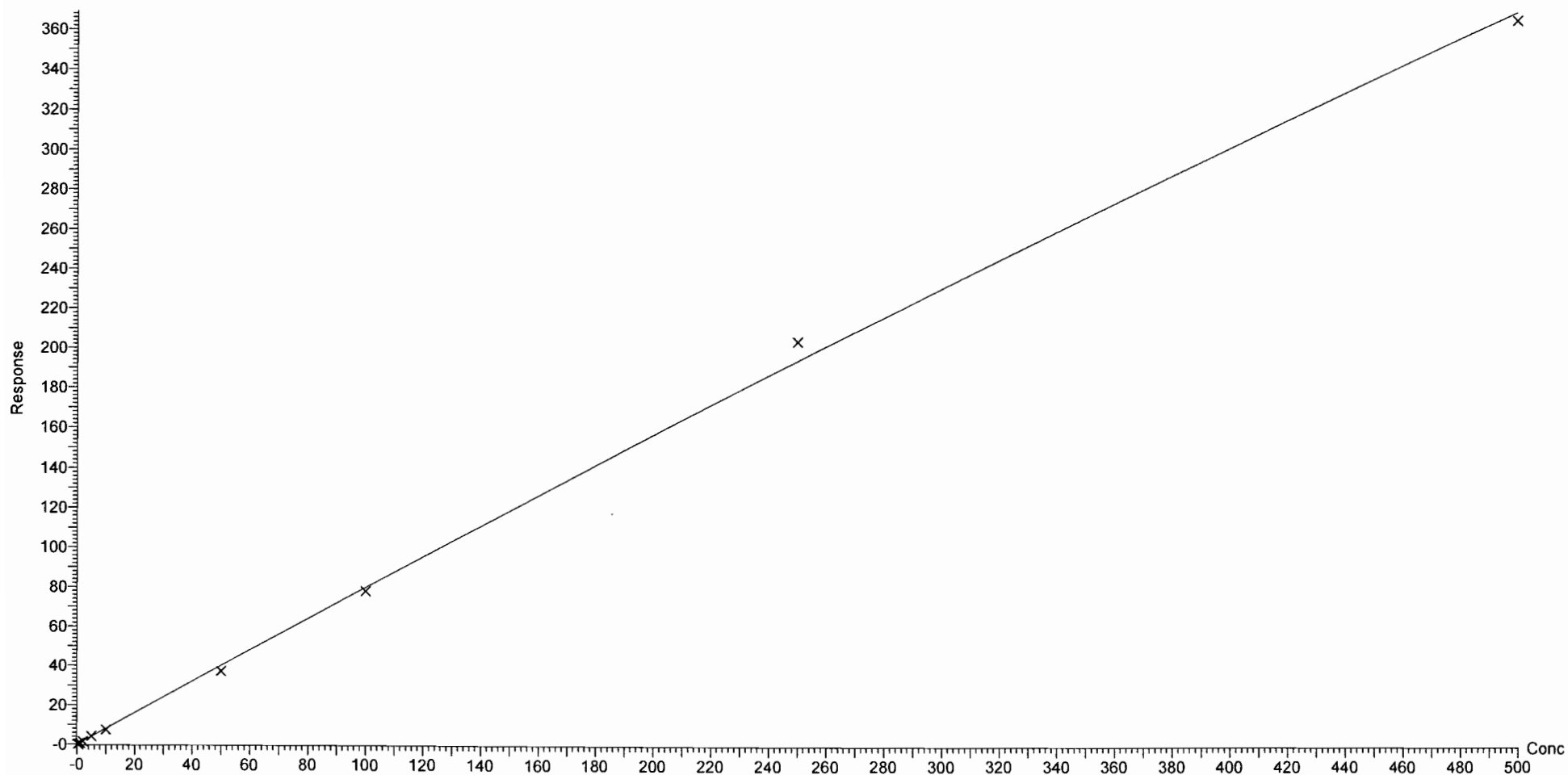
Compound name: PFNS

Coefficient of Determination: $R^2 = 0.998684$

Calibration curve: $-0.000153847 * x^2 + 0.815367 * x - 0.134923$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

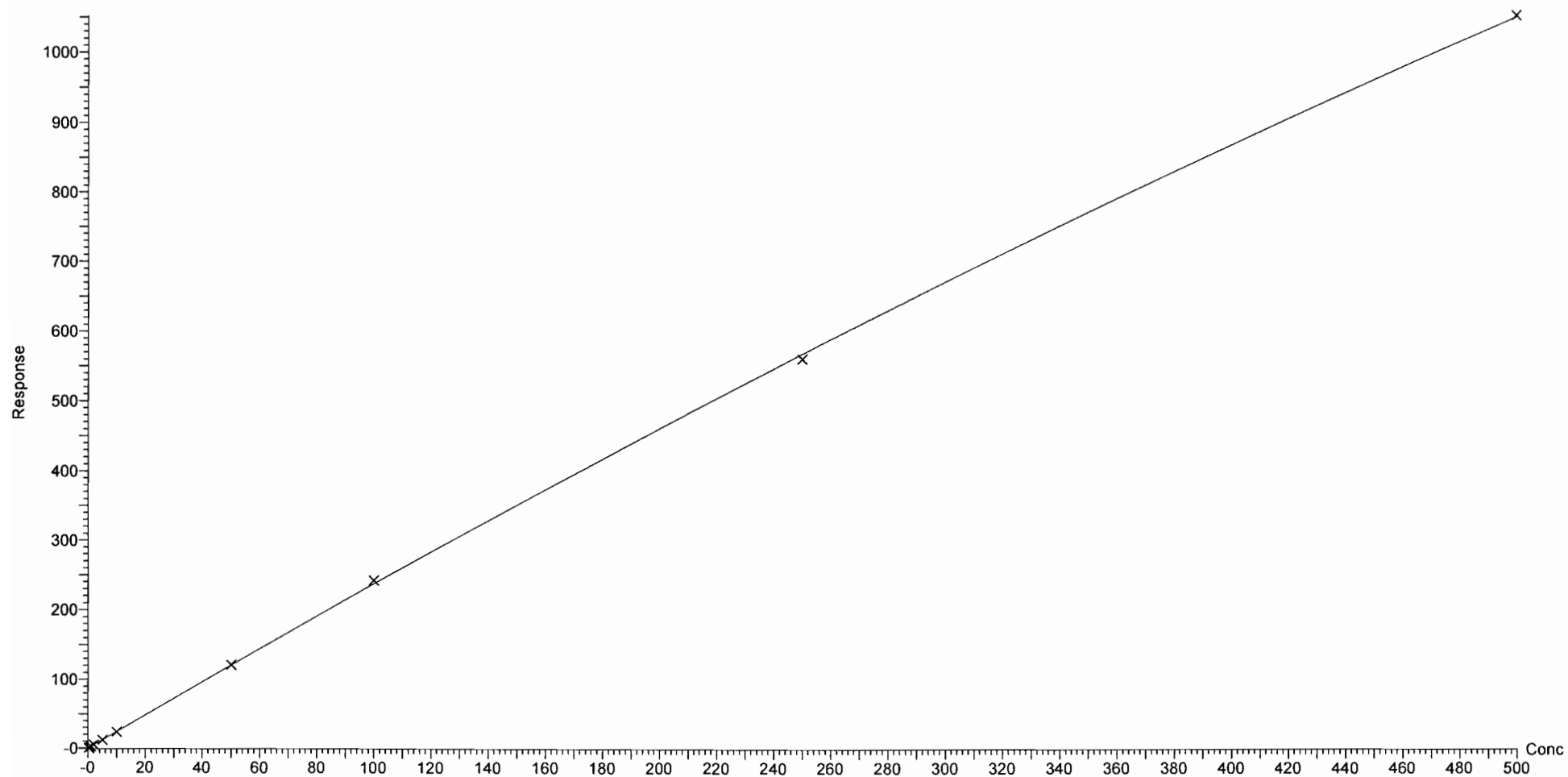
Compound name: L-MeFOSAA

Coefficient of Determination: $R^2 = 0.999854$

Calibration curve: $-0.000693628 * x^2 + 2.44664 * x + -0.10276$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:10:52 Pacific Daylight Time

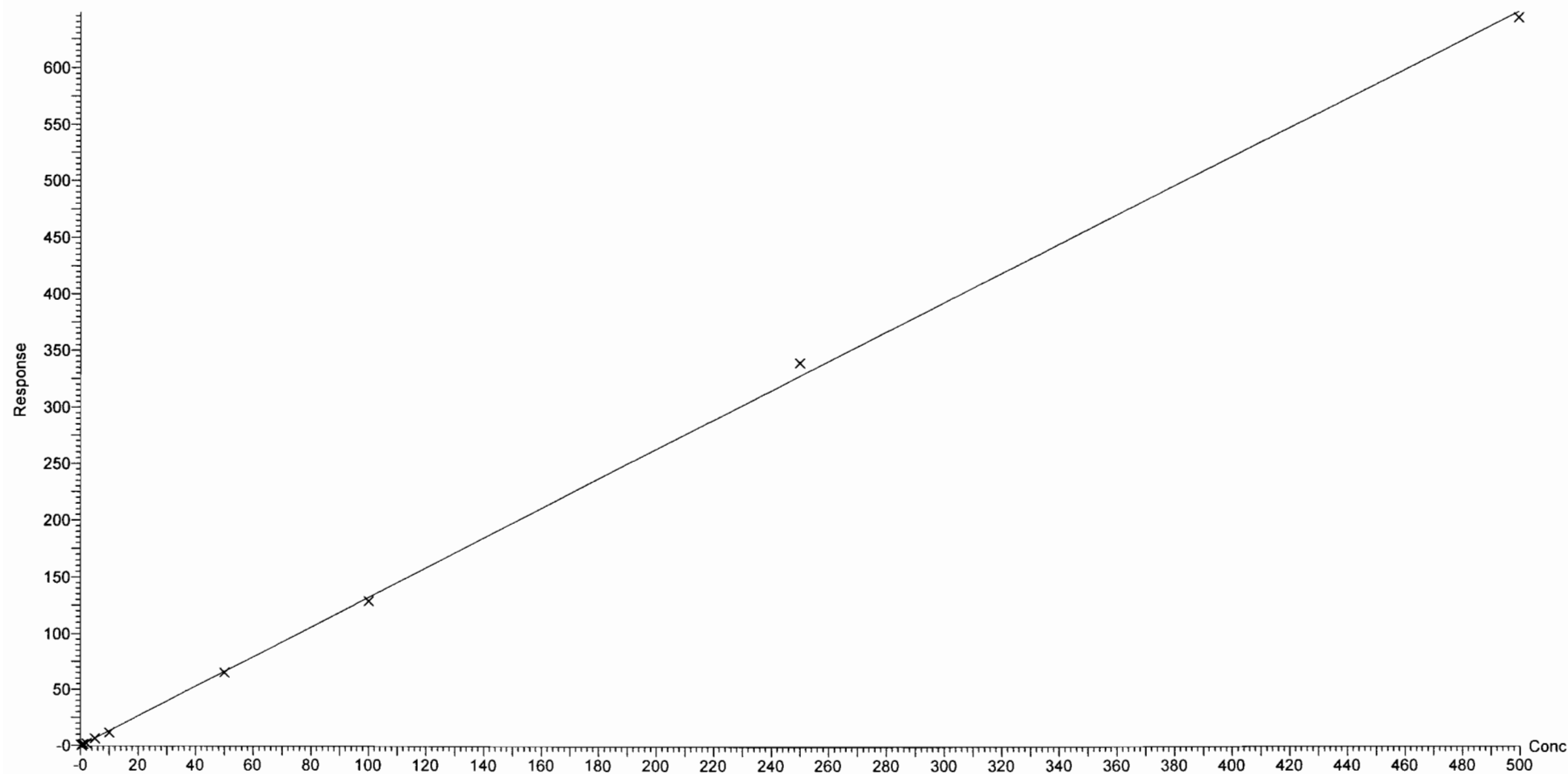
Compound name: L-EtFOSAA

Coefficient of Determination: $R^2 = 0.999209$

Calibration curve: $-6.56747e-005 * x^2 + 1.32949 * x + -0.129478$

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:09 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 08:35:39

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

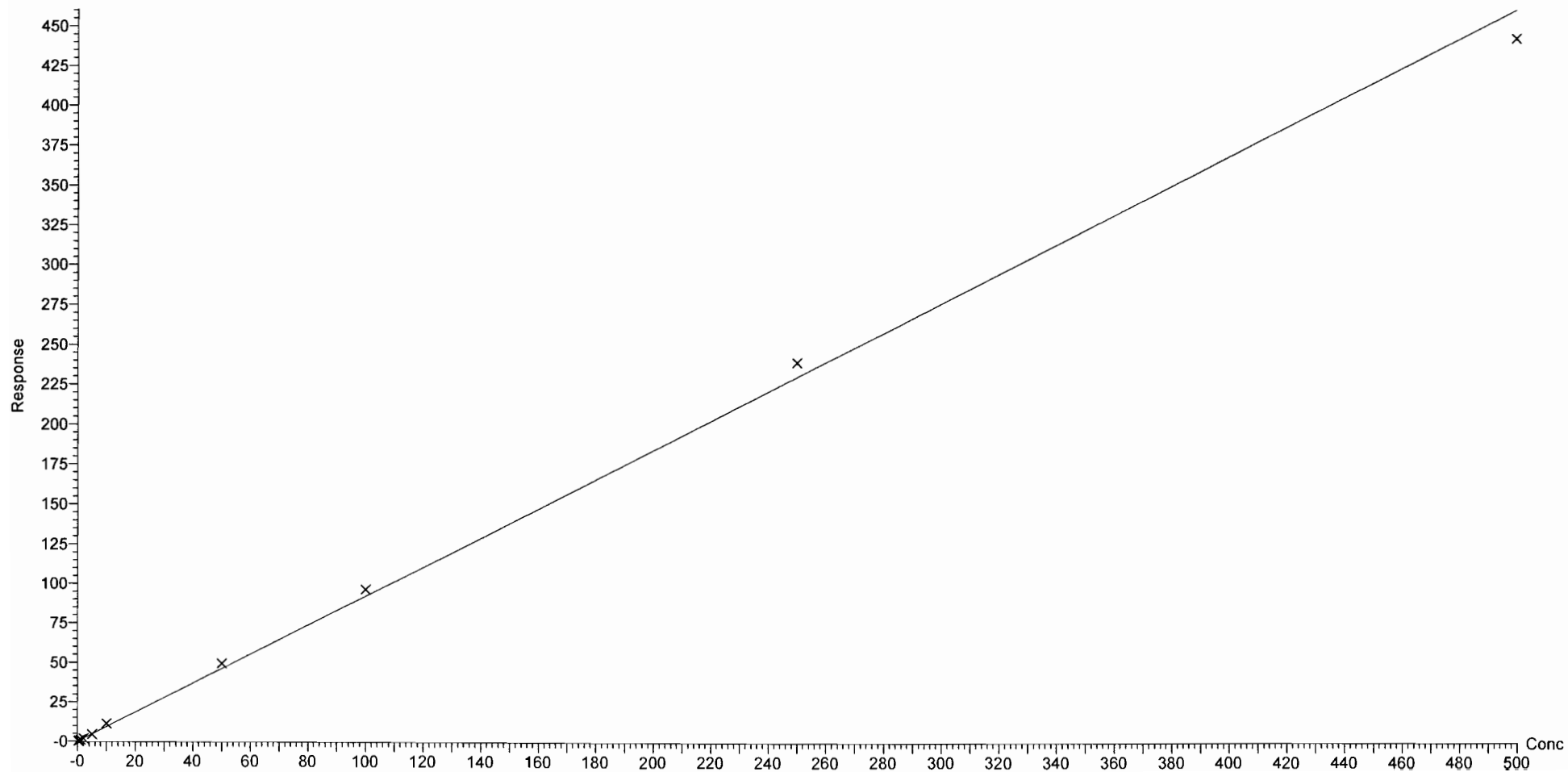
Compound name: PFUdA

Correlation coefficient: $r = 0.998903$, $r^2 = 0.997806$

Calibration curve: $0.920703 * x + 0.109842$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:09 Pacific Daylight Time

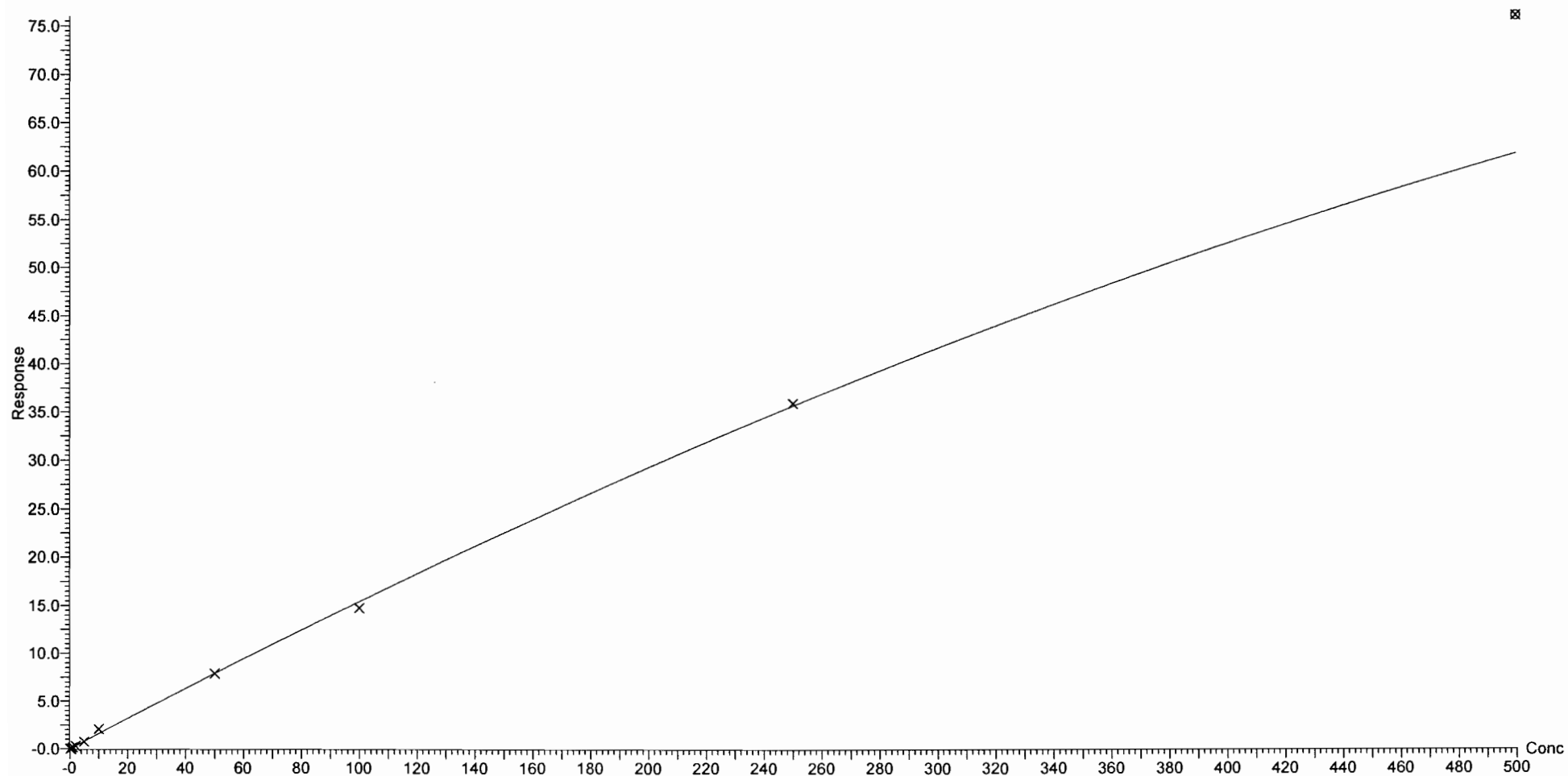
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.997023$

Calibration curve: $-7.67776e-005 * x^2 + 0.161874 * x + -0.0162531$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:09 Pacific Daylight Time

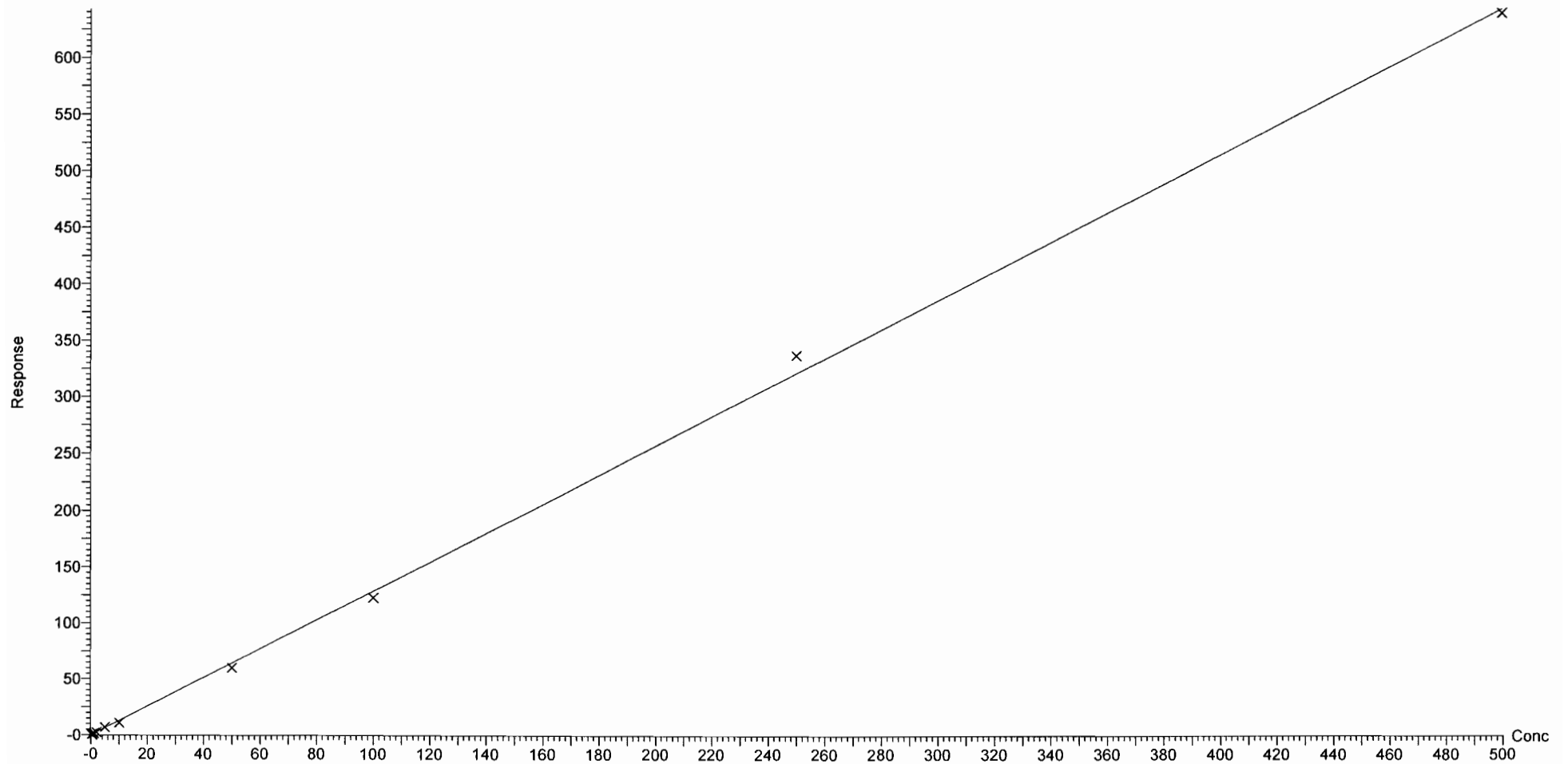
Compound name: PFDoA

Correlation coefficient: $r = 0.999227$, $r^2 = 0.998454$

Calibration curve: $1.28516 * x + -0.0144924$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

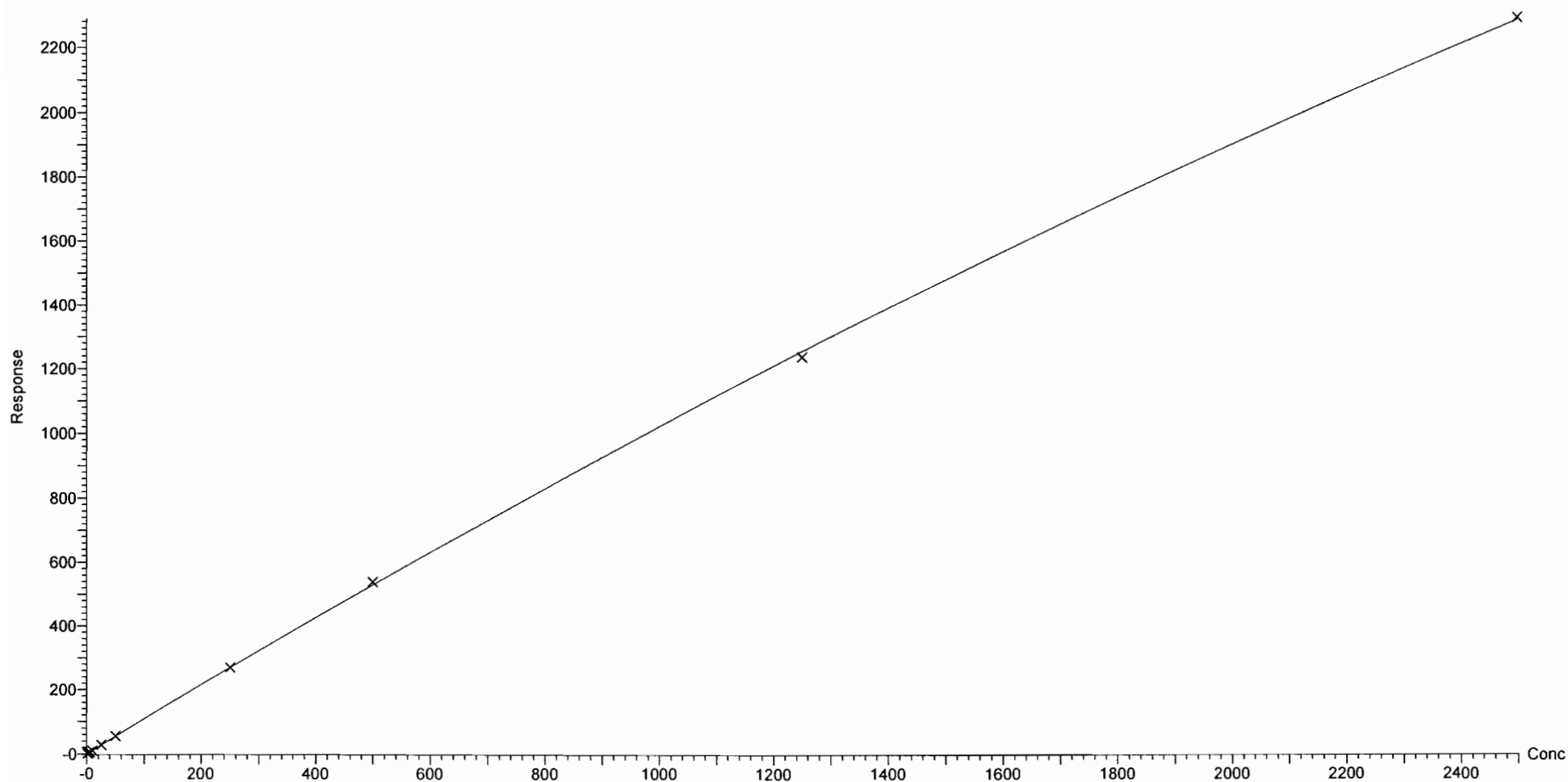


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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Compound name: N-MeFOSA
Coefficient of Determination: $R^2 = 0.999868$
Calibration curve: $-7.31566e-005 * x^2 + 1.09551 * x + 0.0627163$
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:09 Pacific Daylight Time

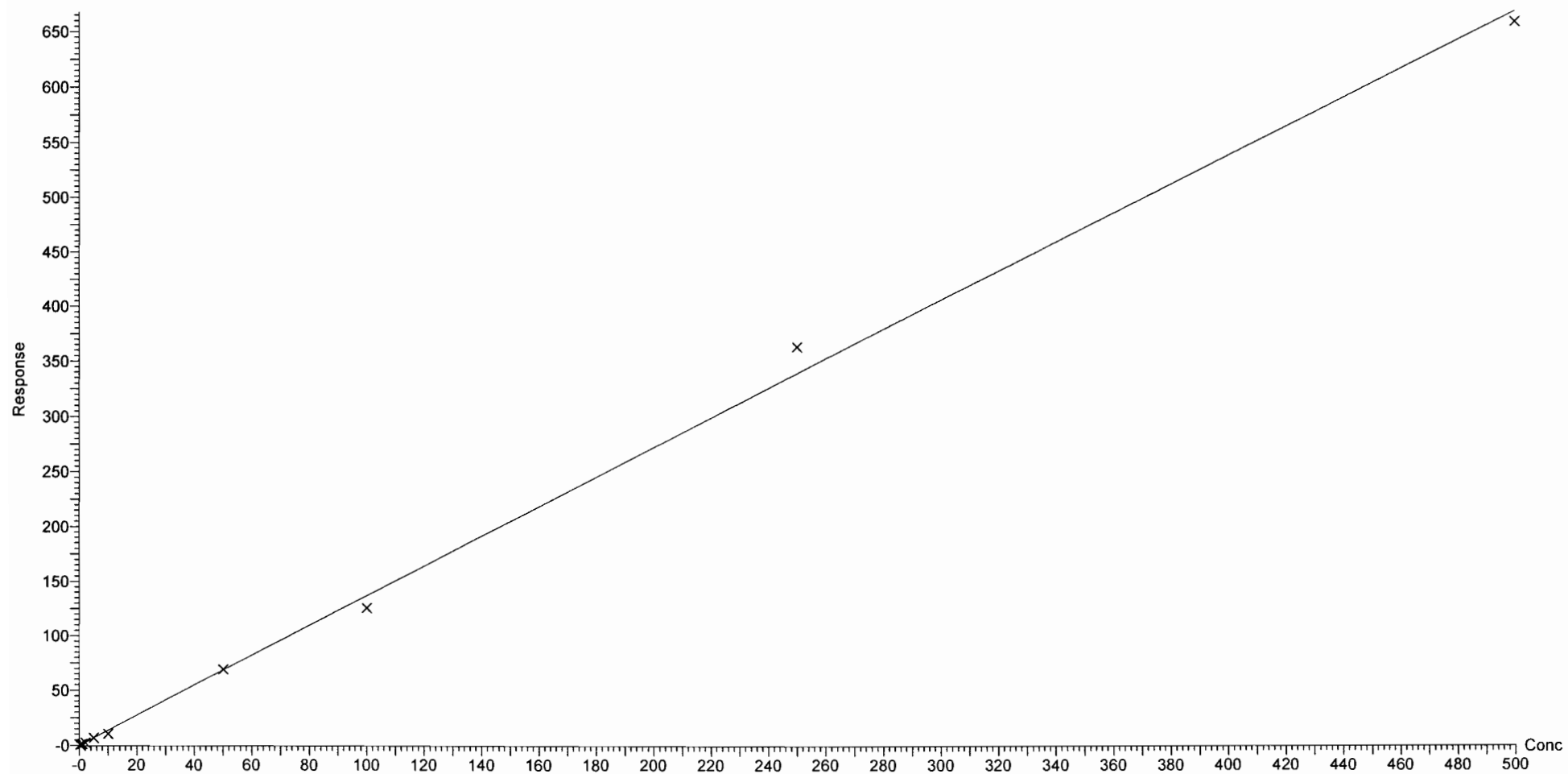
Compound name: PFTTrDA

Coefficient of Determination: $R^2 = 0.996979$

Calibration curve: $-8.75196e-005 * x^2 + 1.37894 * x + -0.0433696$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:09 Pacific Daylight Time

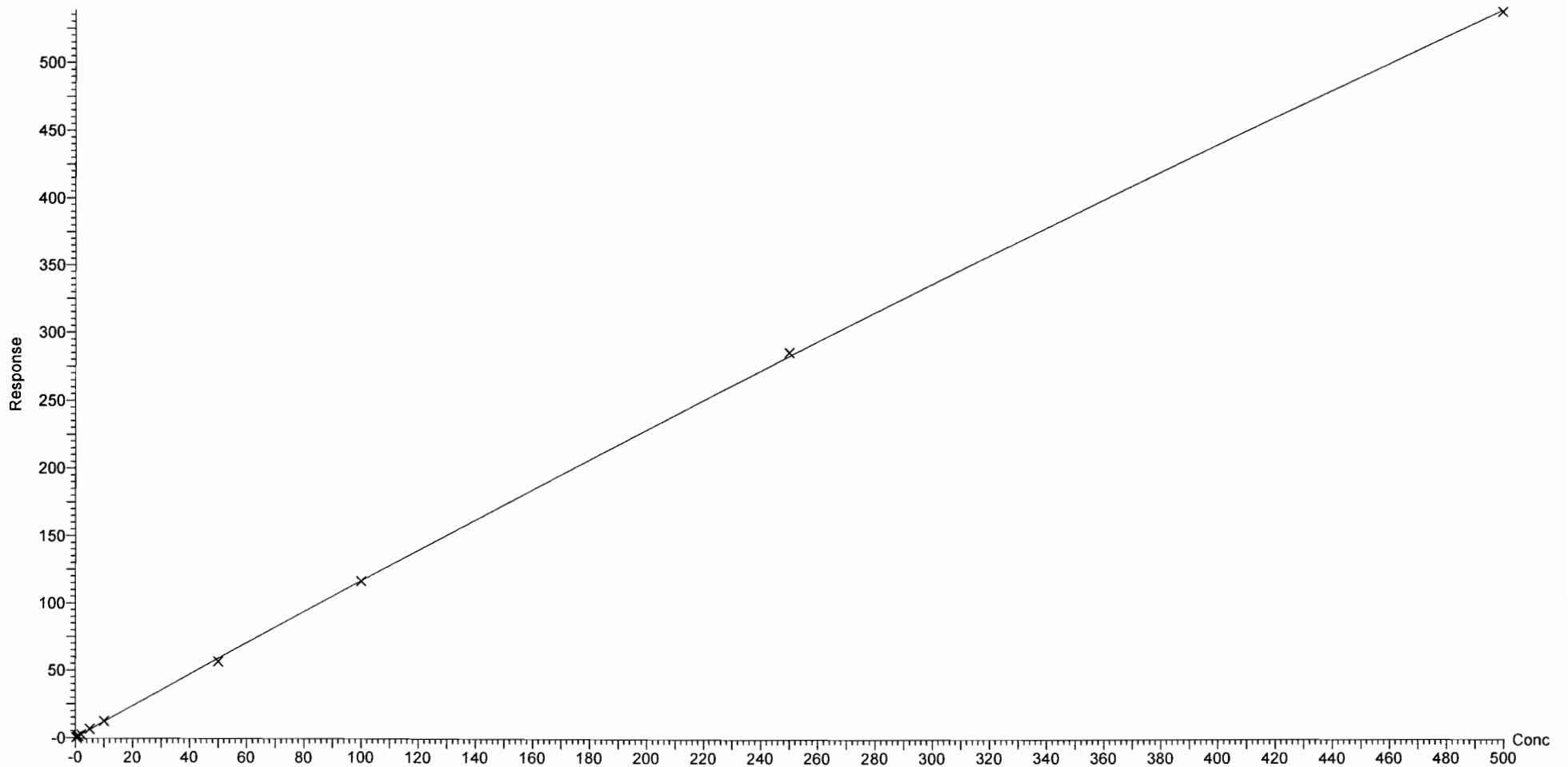
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999775$

Calibration curve: $-0.000225222 * x^2 + 1.18921 * x + 0.0518236$

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:09 Pacific Daylight Time

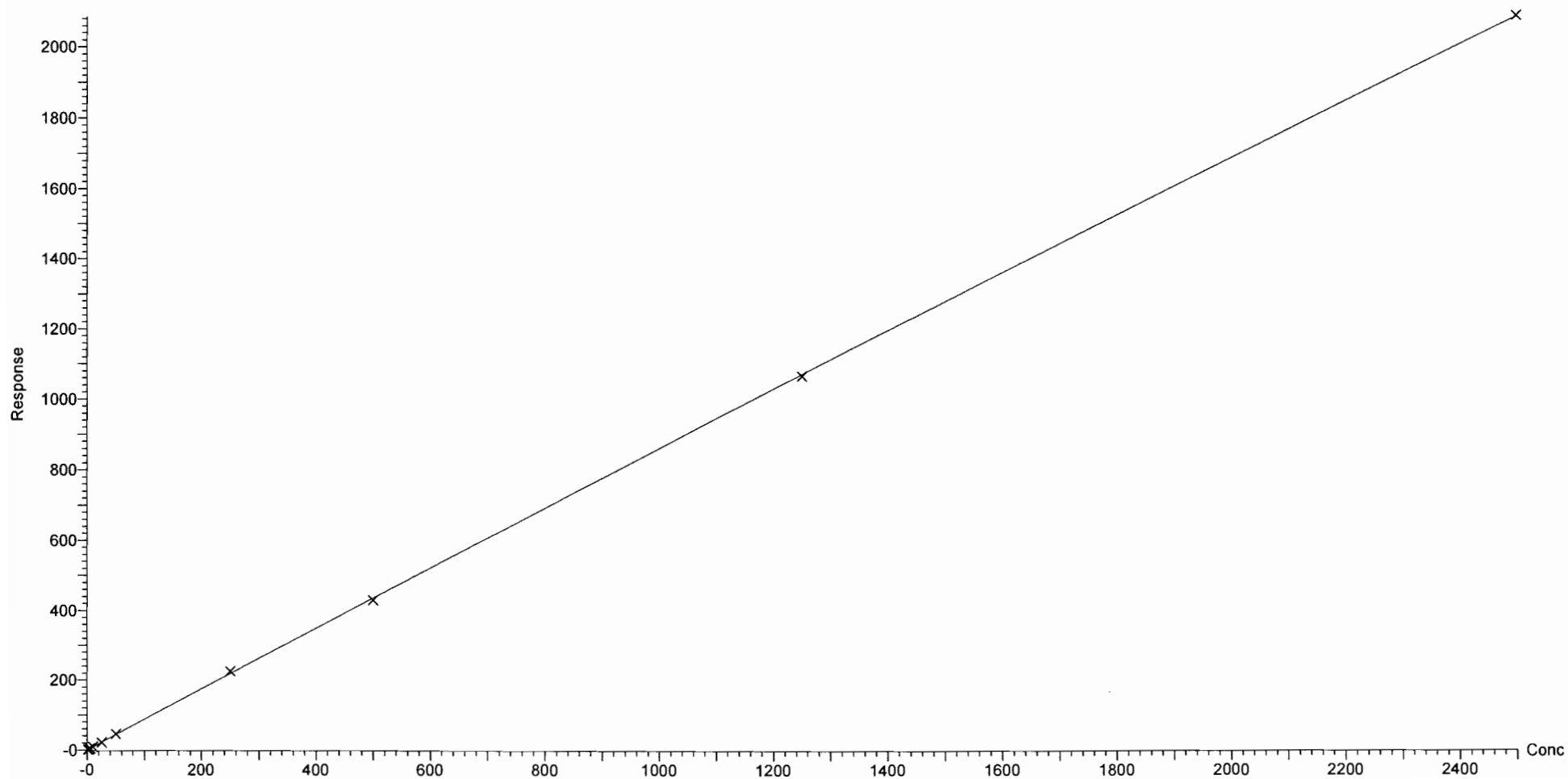
Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999886$

Calibration curve: $-1.897e-005 * x^2 + 0.880271 * x + 0.0805031$

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

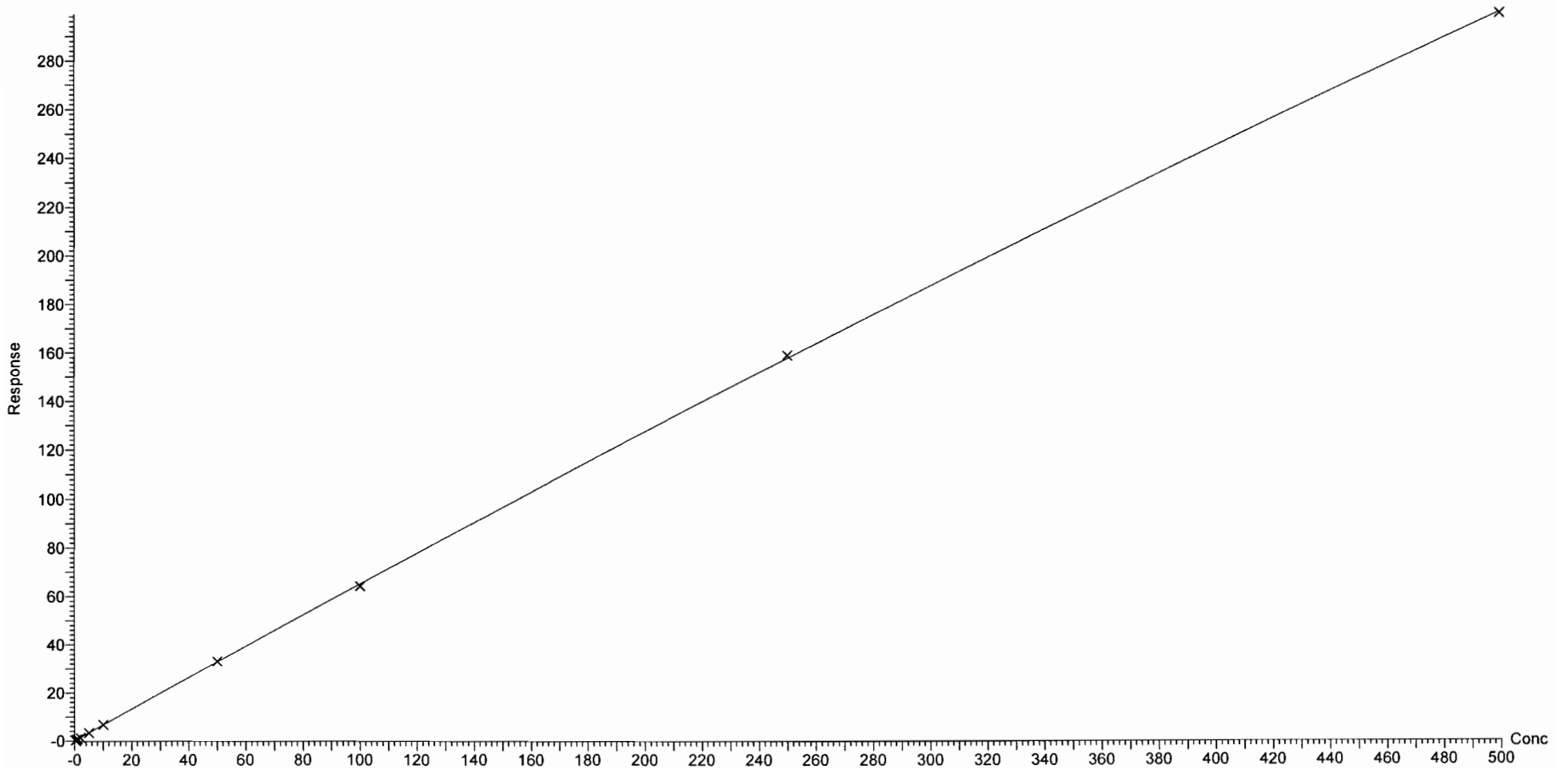


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:09 Pacific Daylight Time

Compound name: PFHxDA
Coefficient of Determination: $R^2 = 0.999941$
Calibration curve: $-0.000131844 * x^2 + 0.663913 * x + 0.0603345$
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:09 Pacific Daylight Time

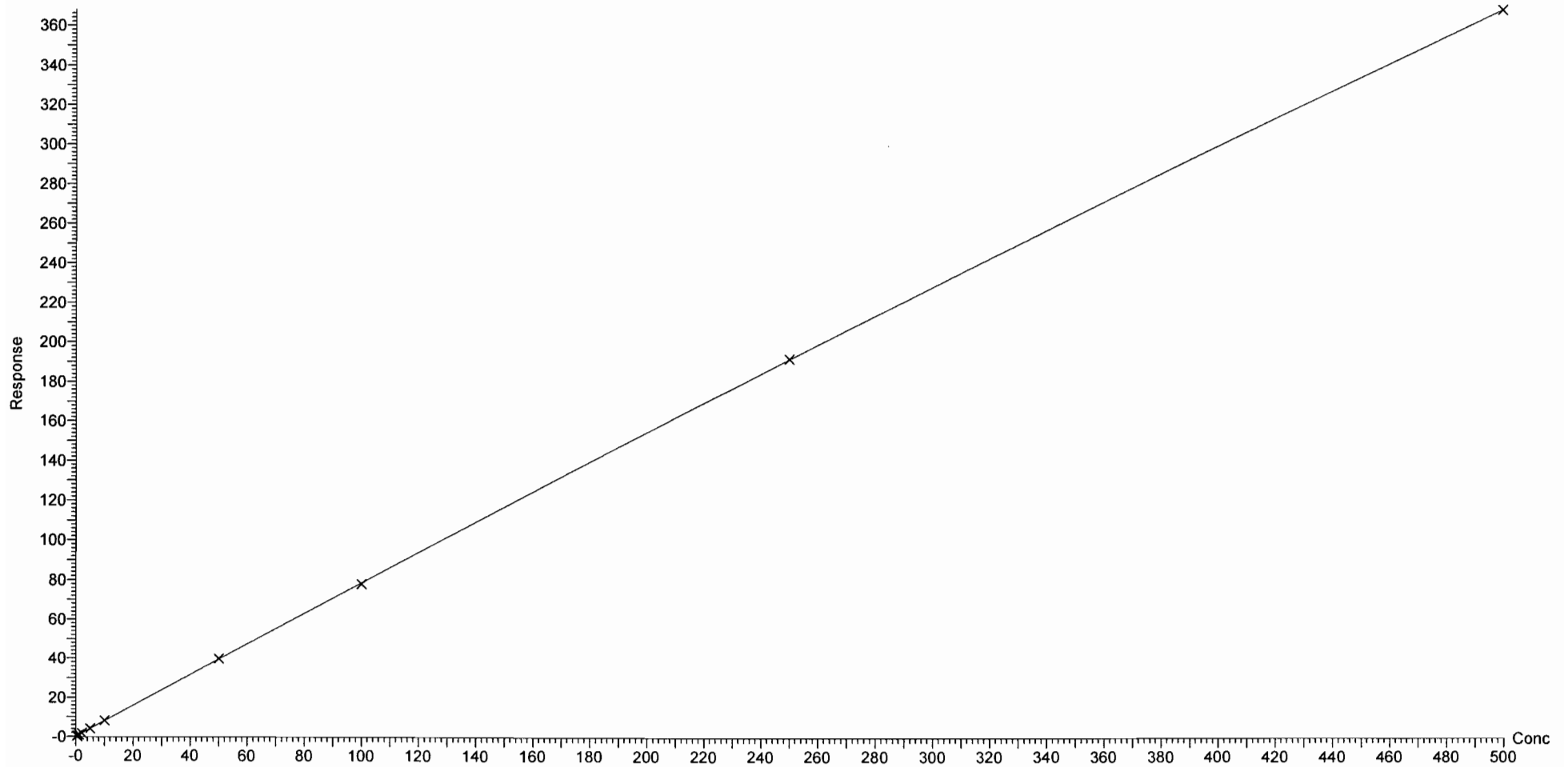
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.999984$

Calibration curve: $-0.00012403 * x^2 + 0.797735 * x + 0.0190919$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:09 Pacific Daylight Time

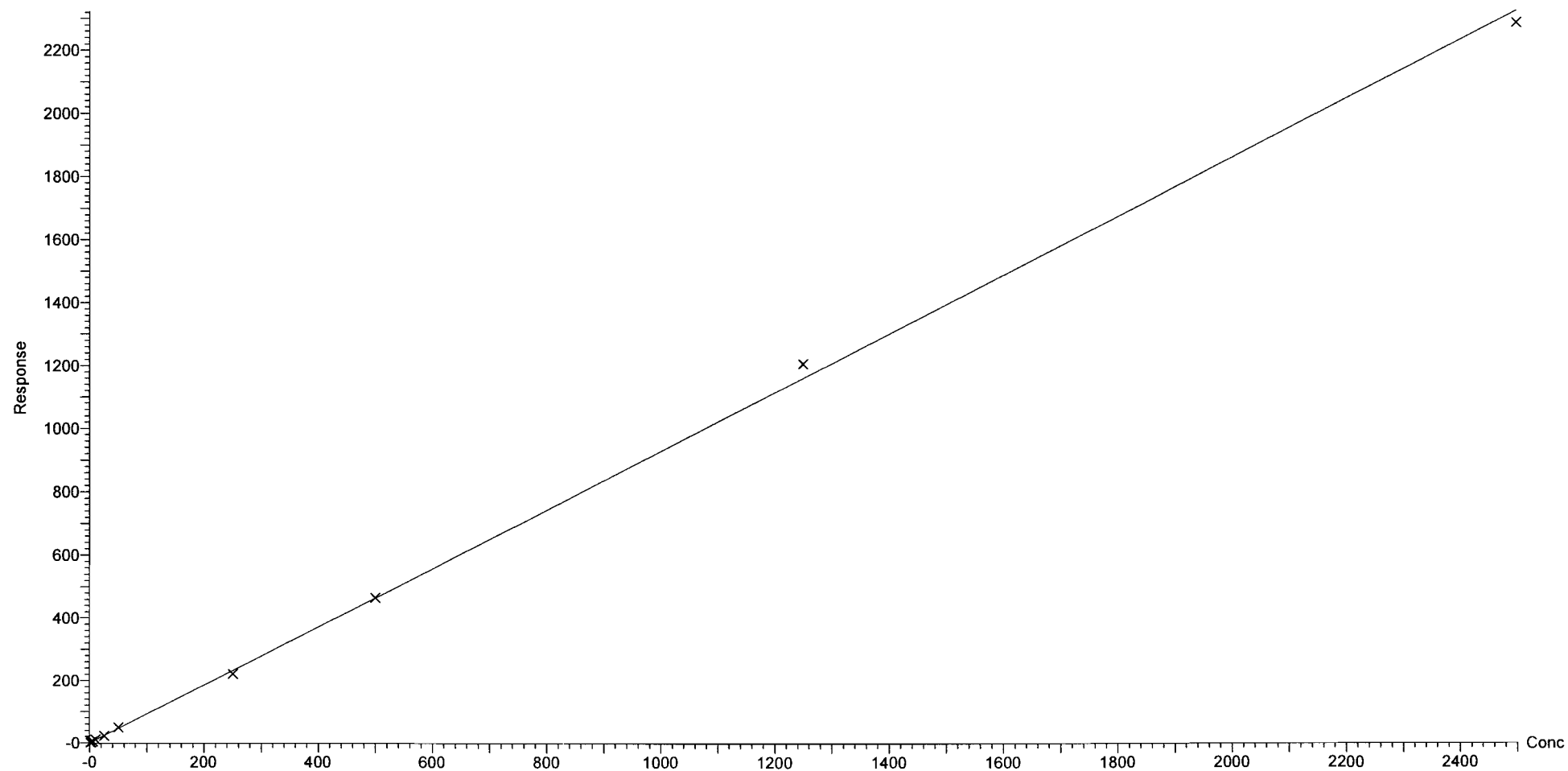
Compound name: N-MeFOSE

Correlation coefficient: $r = 0.999590$, $r^2 = 0.999180$

Calibration curve: $0.928956 * x + -0.238668$

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:09 Pacific Daylight Time

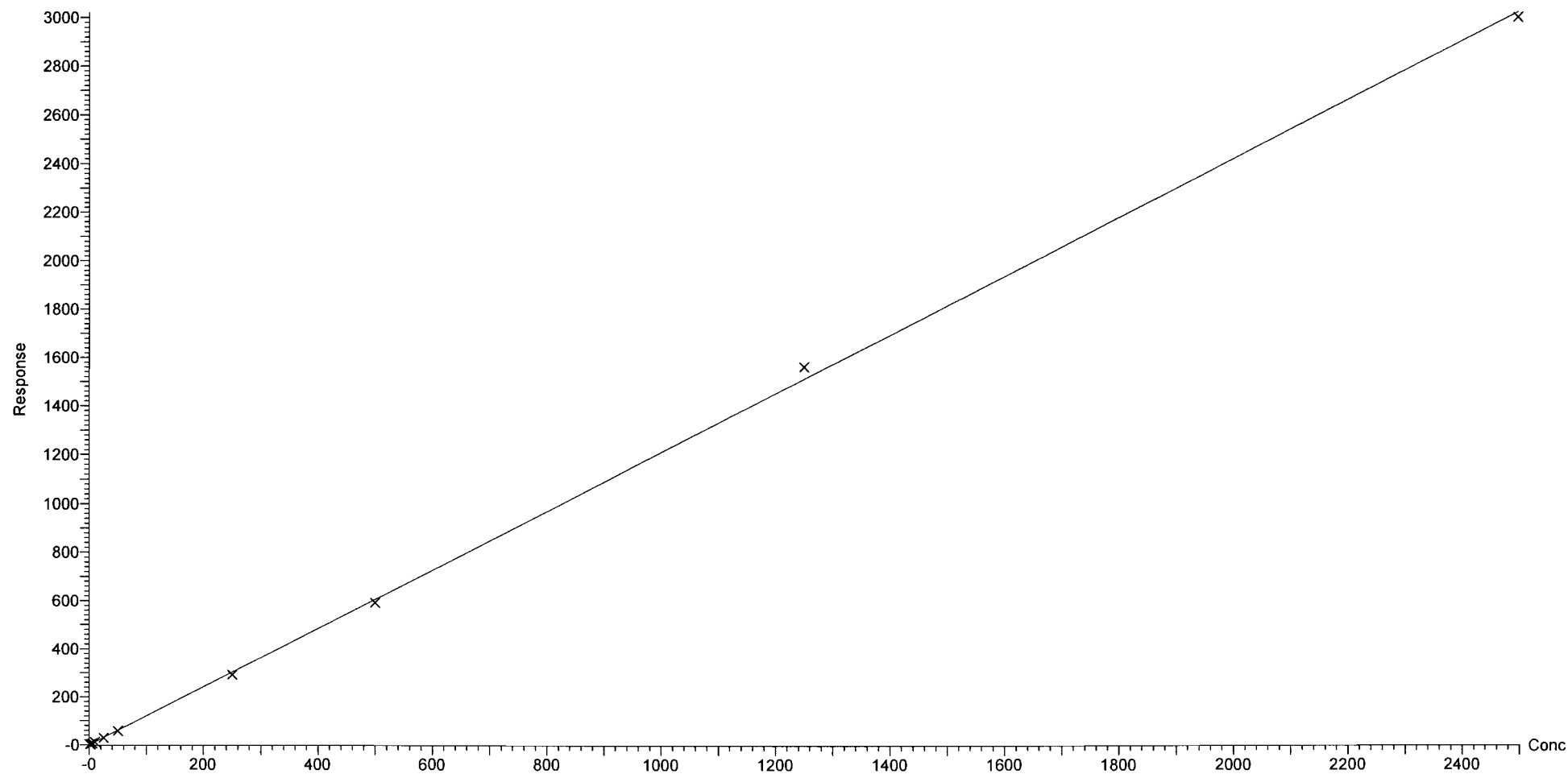
Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999464$

Calibration curve: $-2.05593e-006 * x^2 + 1.21321 * x + -0.360403$

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

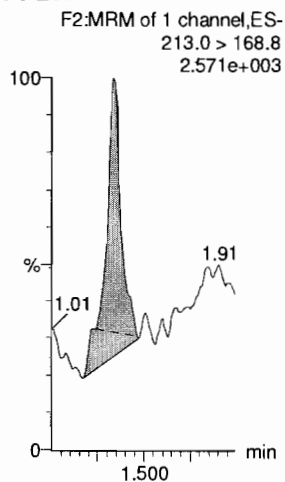
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 08:35:39

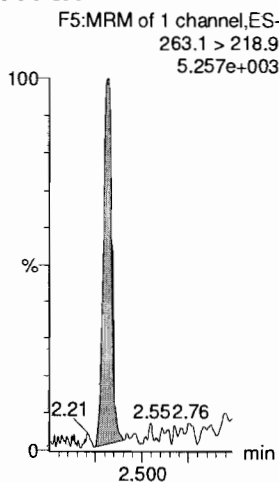
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_2, Date: 29-May-2018, Time: 17:50:51, ID: ST180529M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

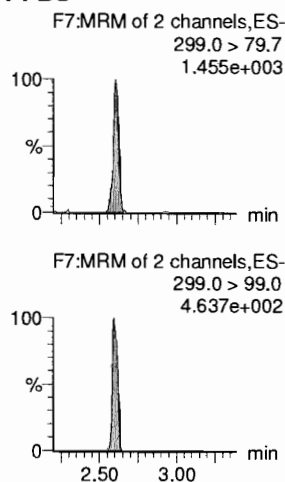
PFBA



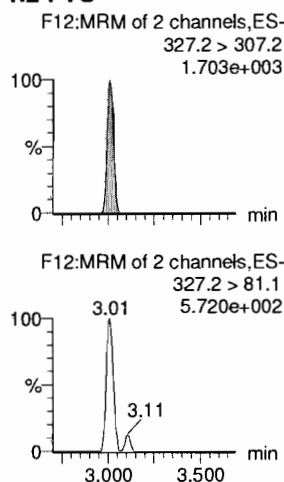
PFPeA



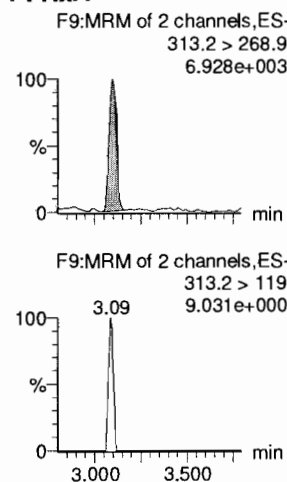
PFBS



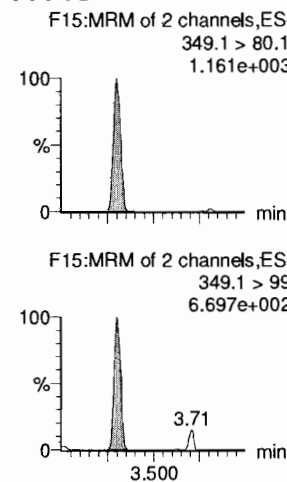
4:2 FTS



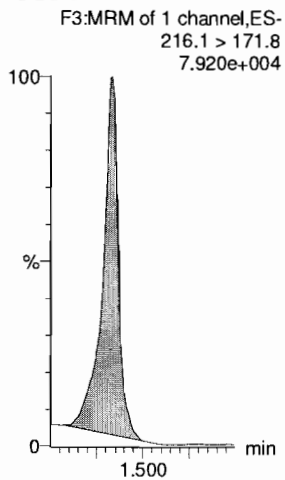
PFHxA



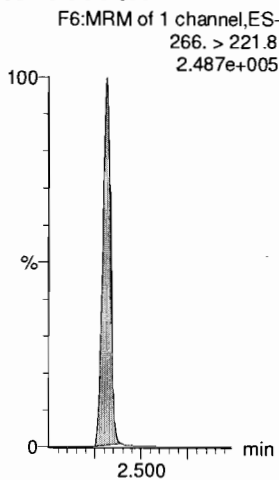
PFPeS



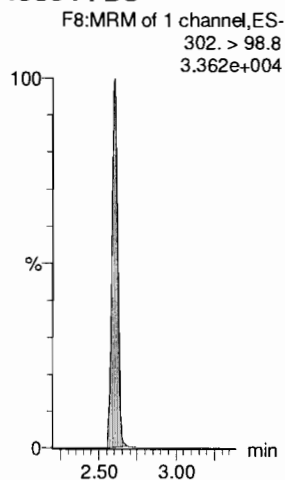
13C3-PFBA



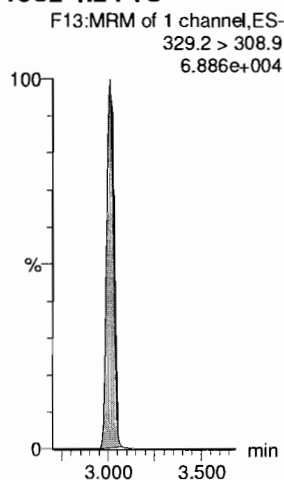
13C3-PFPeA



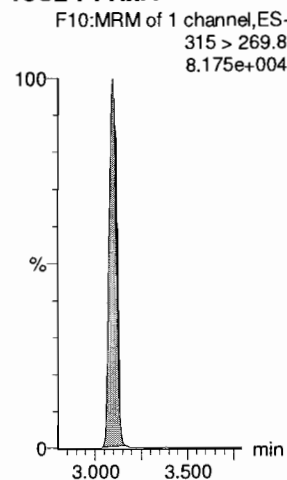
13C3-PFBS



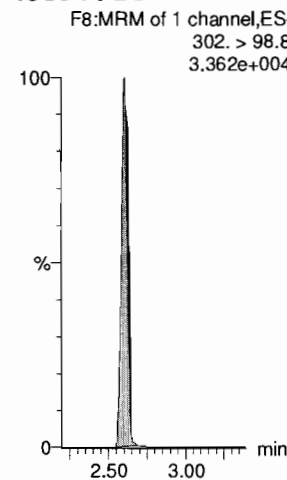
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

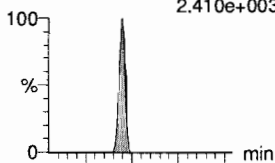
Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

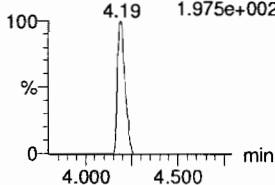
Name: 180529M1_2, Date: 29-May-2018, Time: 17:50:51, ID: ST180529M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
2.410e+003

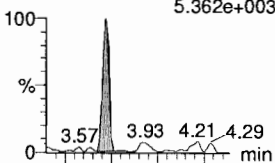


F24:MRM of 2 channels,ES-
427.1 > 80
1.975e+002

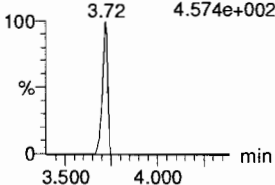


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
5.362e+003

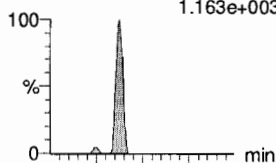


F16:MRM of 2 channels,ES-
363.0 > 169.0
4.574e+002

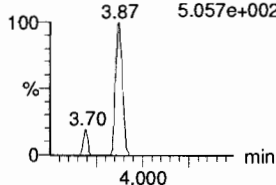


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
1.163e+003

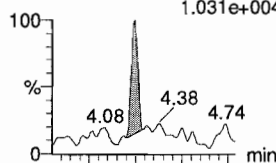


F18:MRM of 2 channels,ES-
398.9 > 99.0
5.057e+002

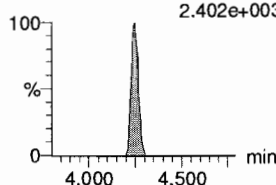


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
1.031e+004

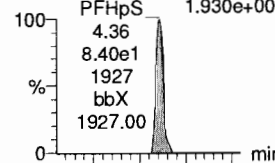


F21:MRM of 2 channels,ES-
413 > 169
2.402e+003

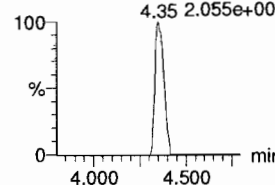


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
1.930e+003

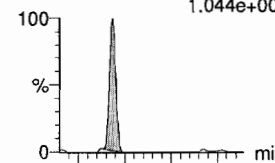


F26:MRM of 2 channels,ES-
449 > 98.7
2.055e+002

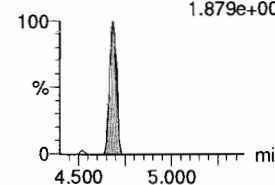


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
1.044e+004

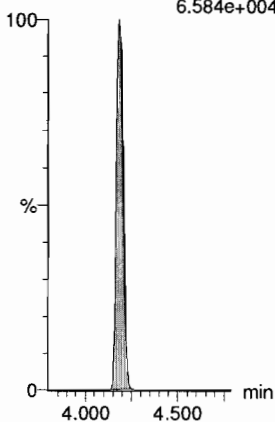


F27:MRM of 2 channels,ES-
463.0 > 219.0
1.879e+003



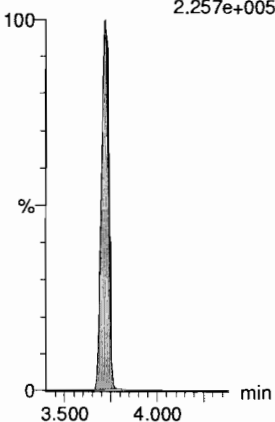
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
6.584e+004



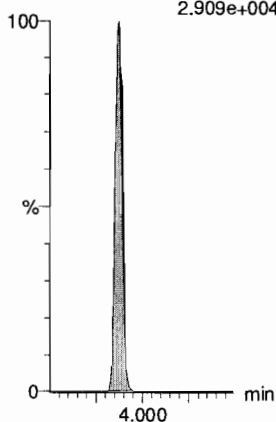
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
2.257e+005



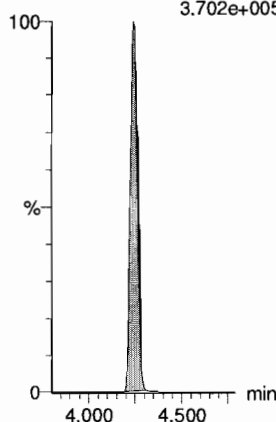
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.909e+004



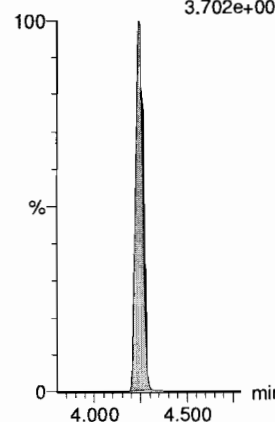
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.702e+005



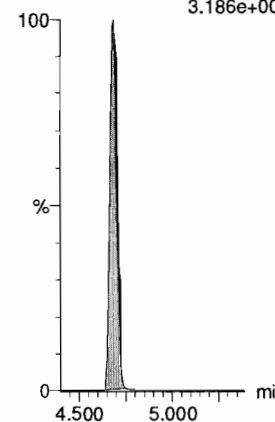
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.702e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
3.186e+005



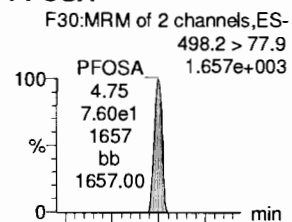
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

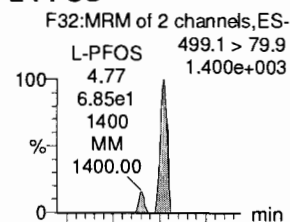
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_2, Date: 29-May-2018, Time: 17:50:51, ID: ST180529M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

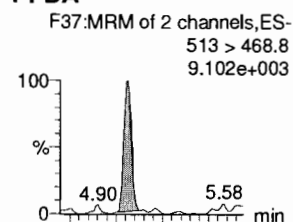
PFOSA



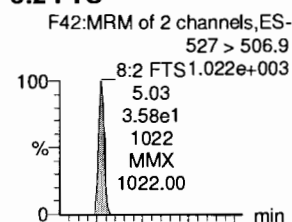
L-PFOS



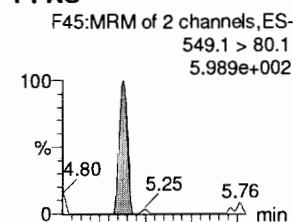
PFDA



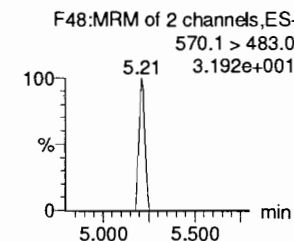
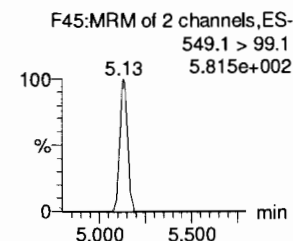
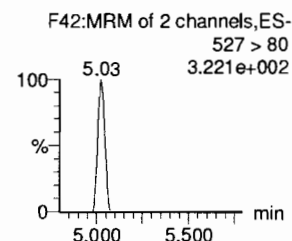
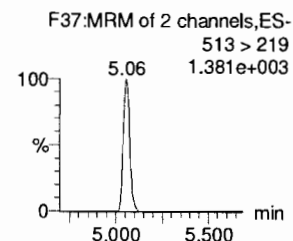
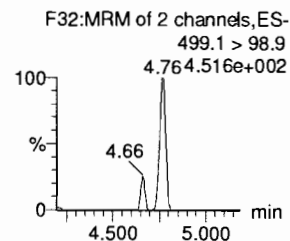
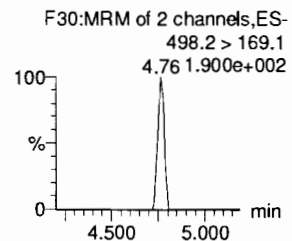
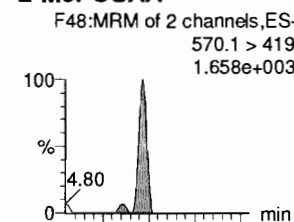
8:2 FTS



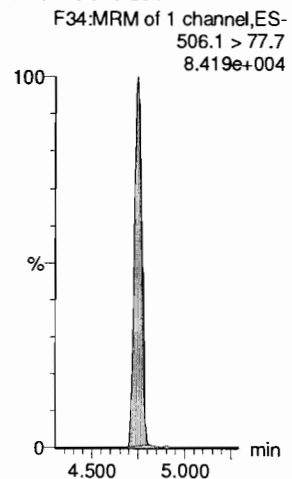
PFNS



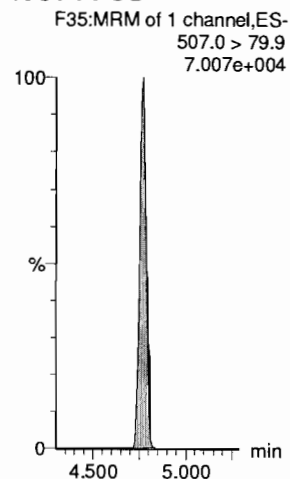
L-MeFOSAA



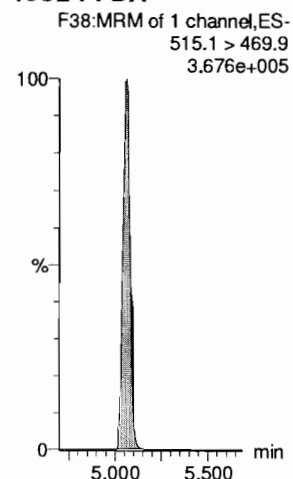
13C8-PFOSA



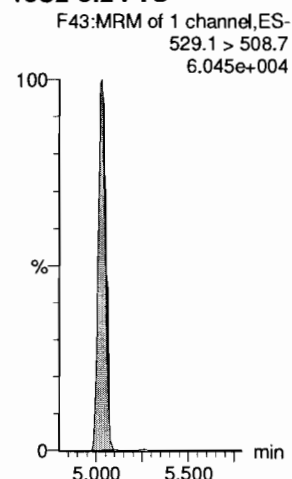
13C8-PFOS



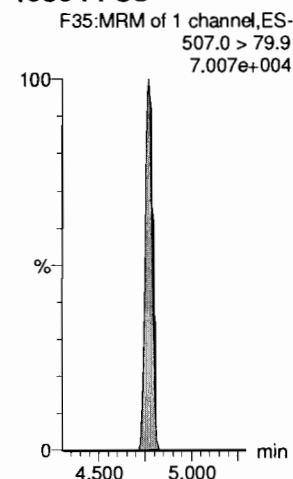
13C2-PFDA



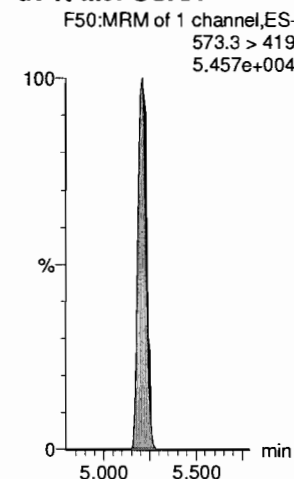
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

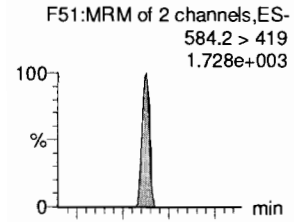


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

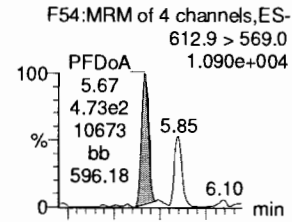
Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_2, Date: 29-May-2018, Time: 17:50:51, ID: ST180529M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

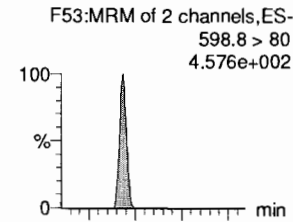
L-EtFOSAA



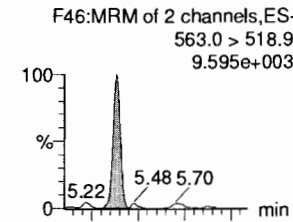
PFDoA



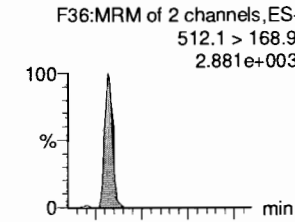
PFDS



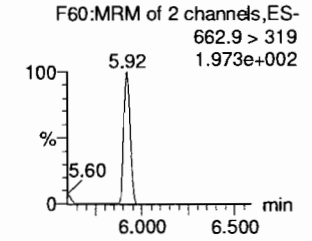
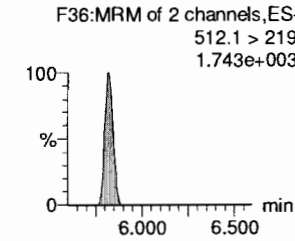
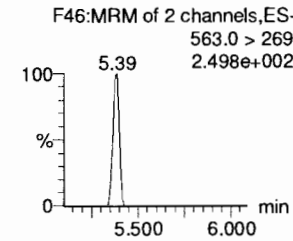
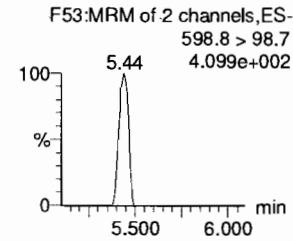
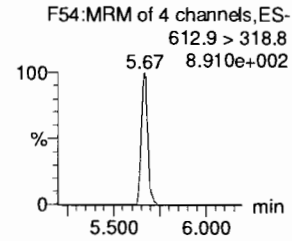
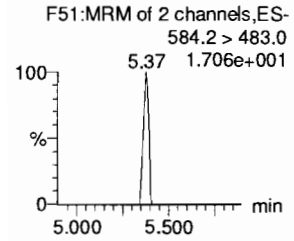
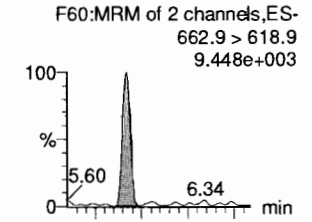
PFUdA



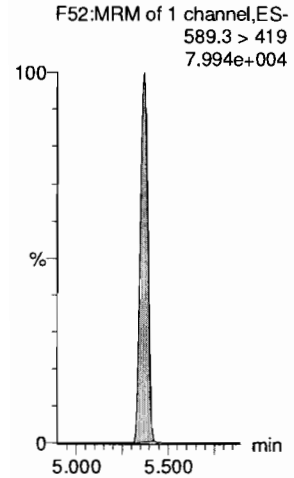
N-MeFOSA



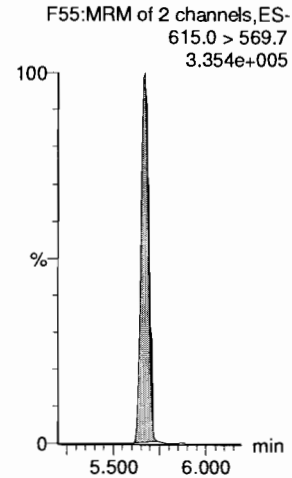
PFTTrDA



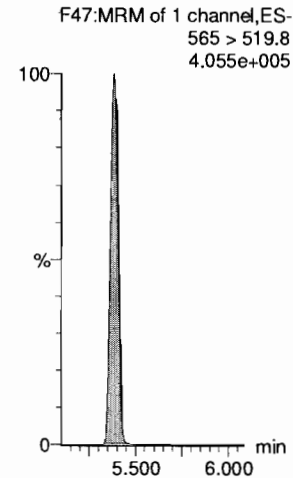
d5-N-EtFOSAA



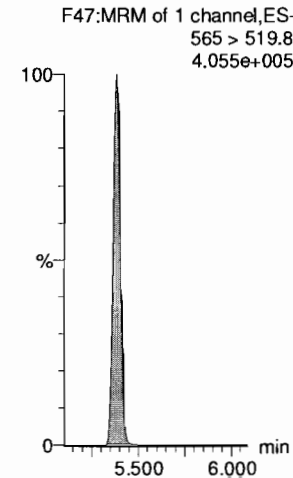
13C2-PFDoA



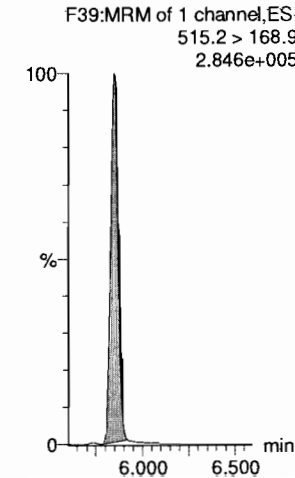
13C2-PFUdA



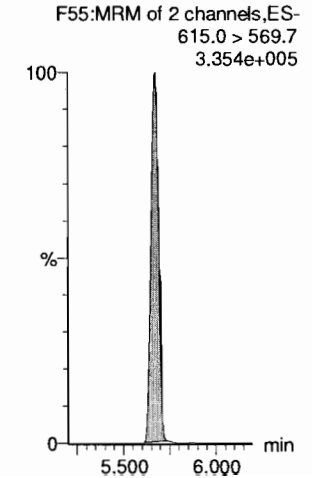
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

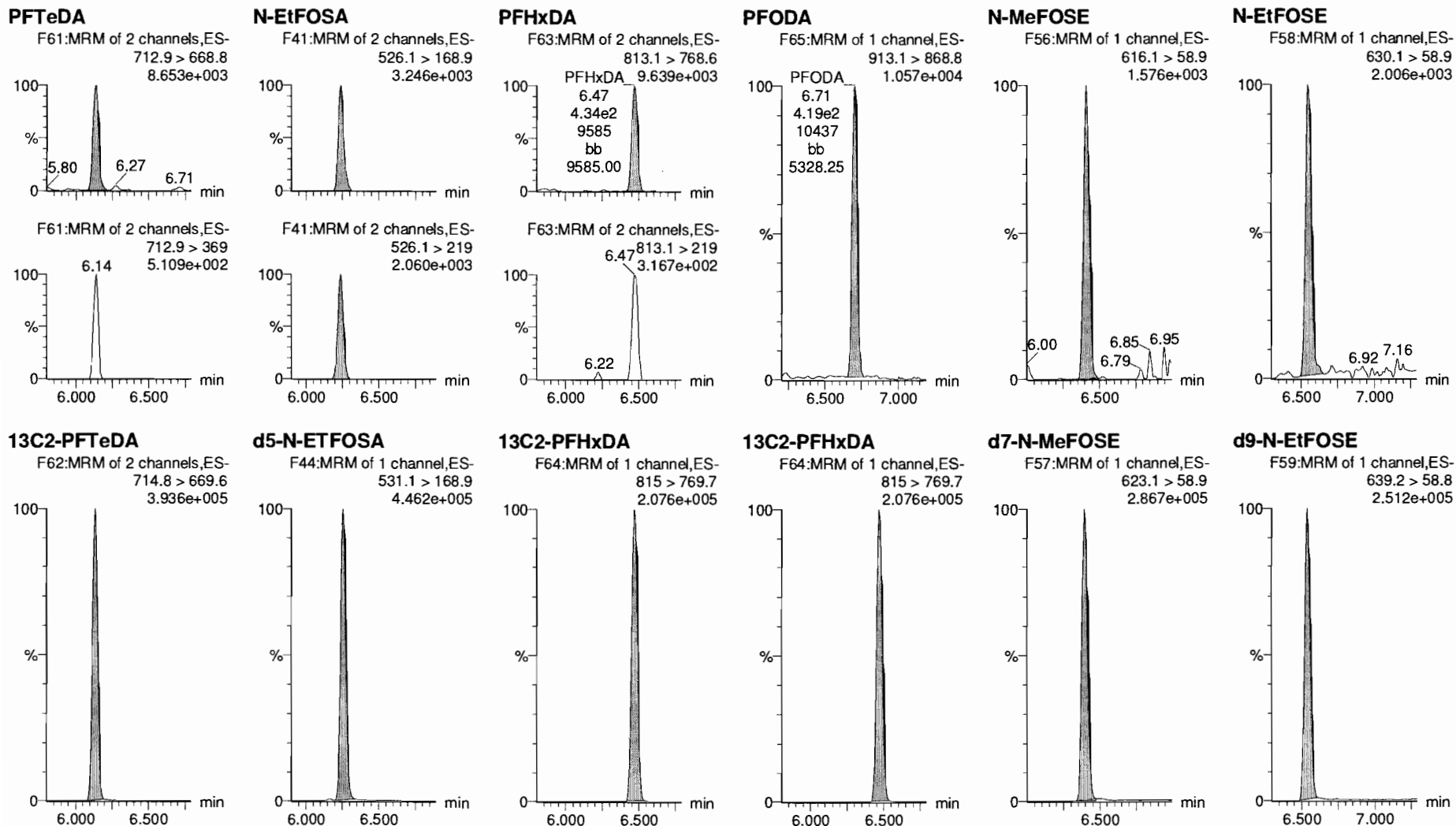


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_2, Date: 29-May-2018, Time: 17:50:51, ID: ST180529M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202



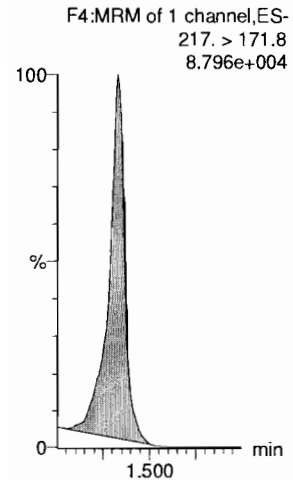
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

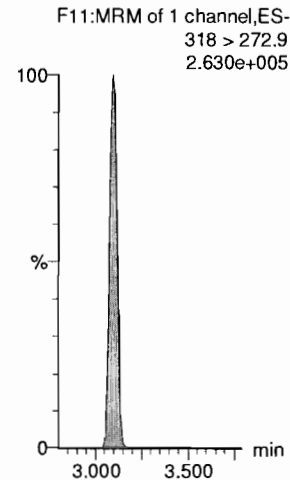
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_2, Date: 29-May-2018, Time: 17:50:51, ID: ST180529M1-1 PFC CS-2 18E2202, Description: PFC CS-2 18E2202

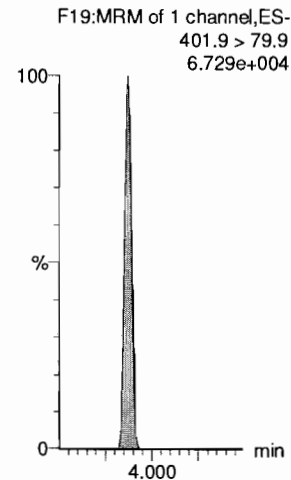
13C4-PFBA



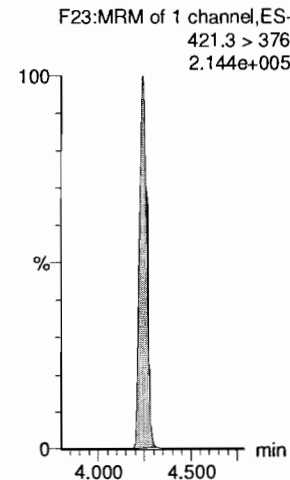
13C5-PFHxA



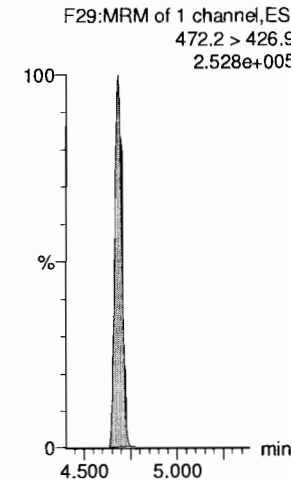
13C3-PFHxS



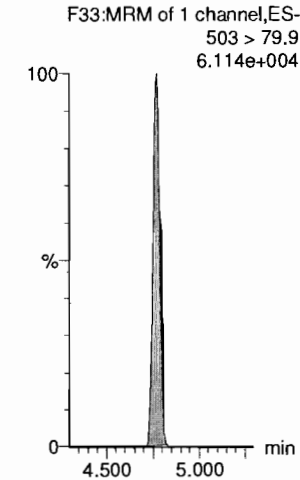
13C8-PFOA



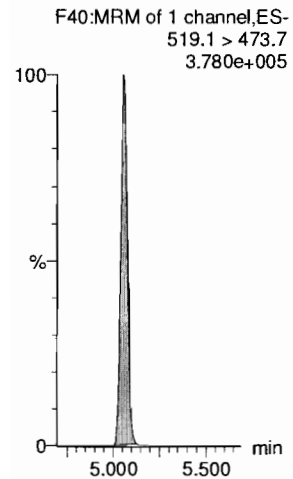
13C9-PFNA



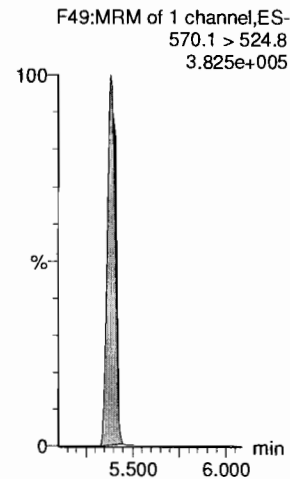
13C4-PFOS



13C6-PFDA



13C7-PFUDa



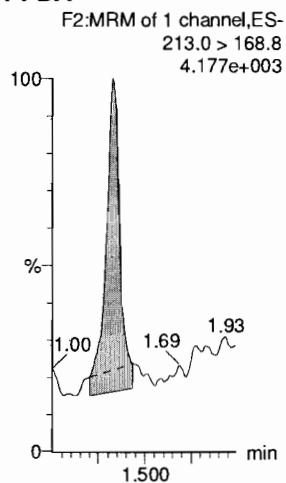
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

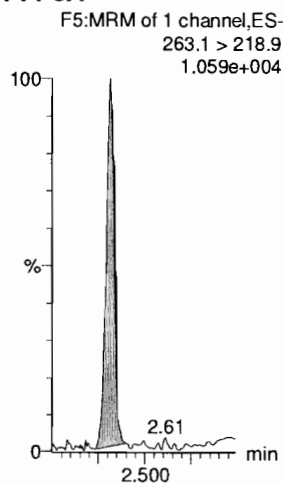
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

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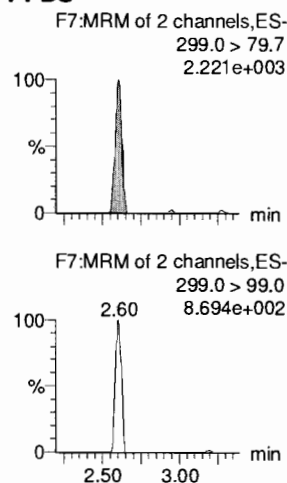
PFBA



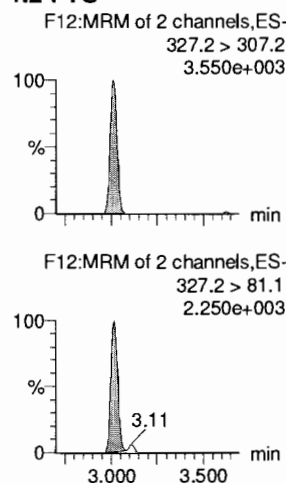
PFPeA



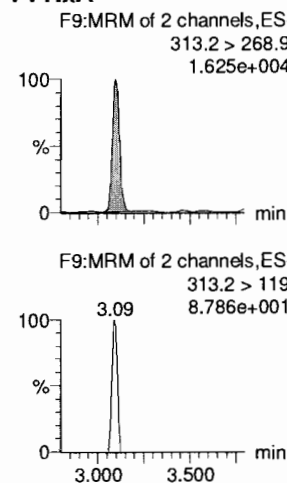
PFBS



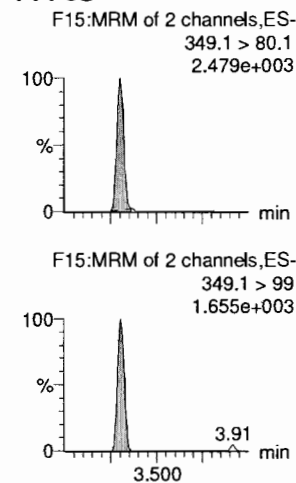
4:2 FTS



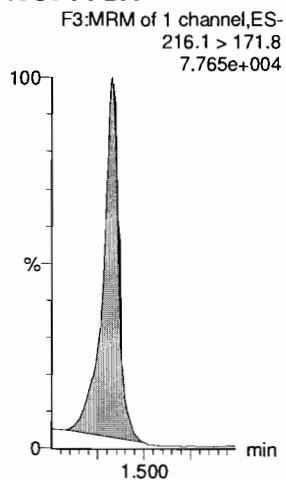
PFHxA



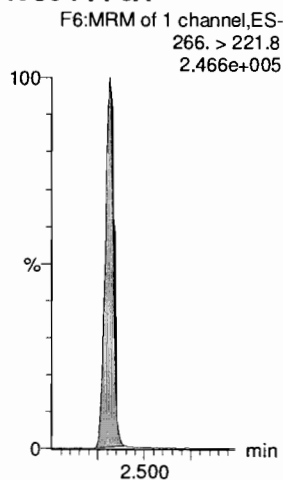
PFPeS



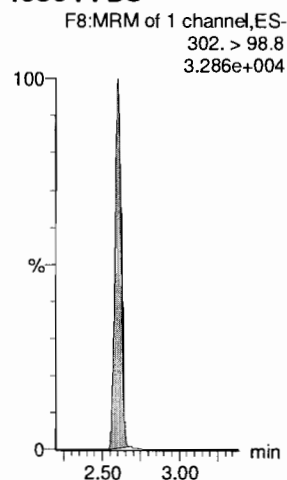
13C3-PFBA



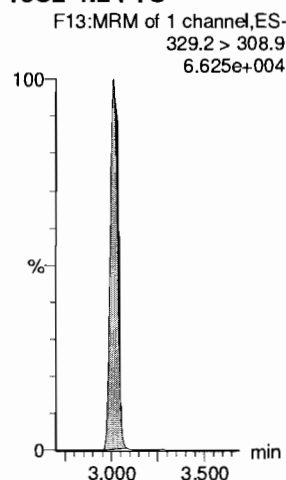
13C3-PFPeA



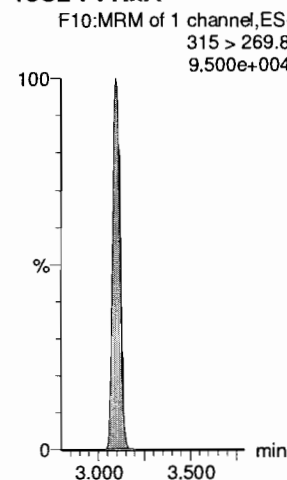
13C3-PFBS



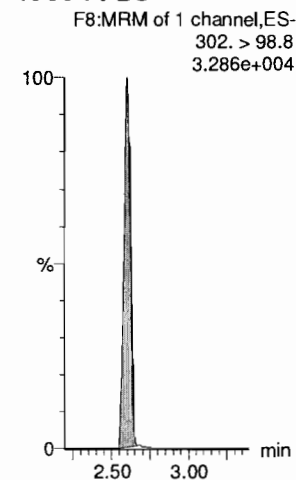
13C2-4:2 FTS



13C2-PFHxA



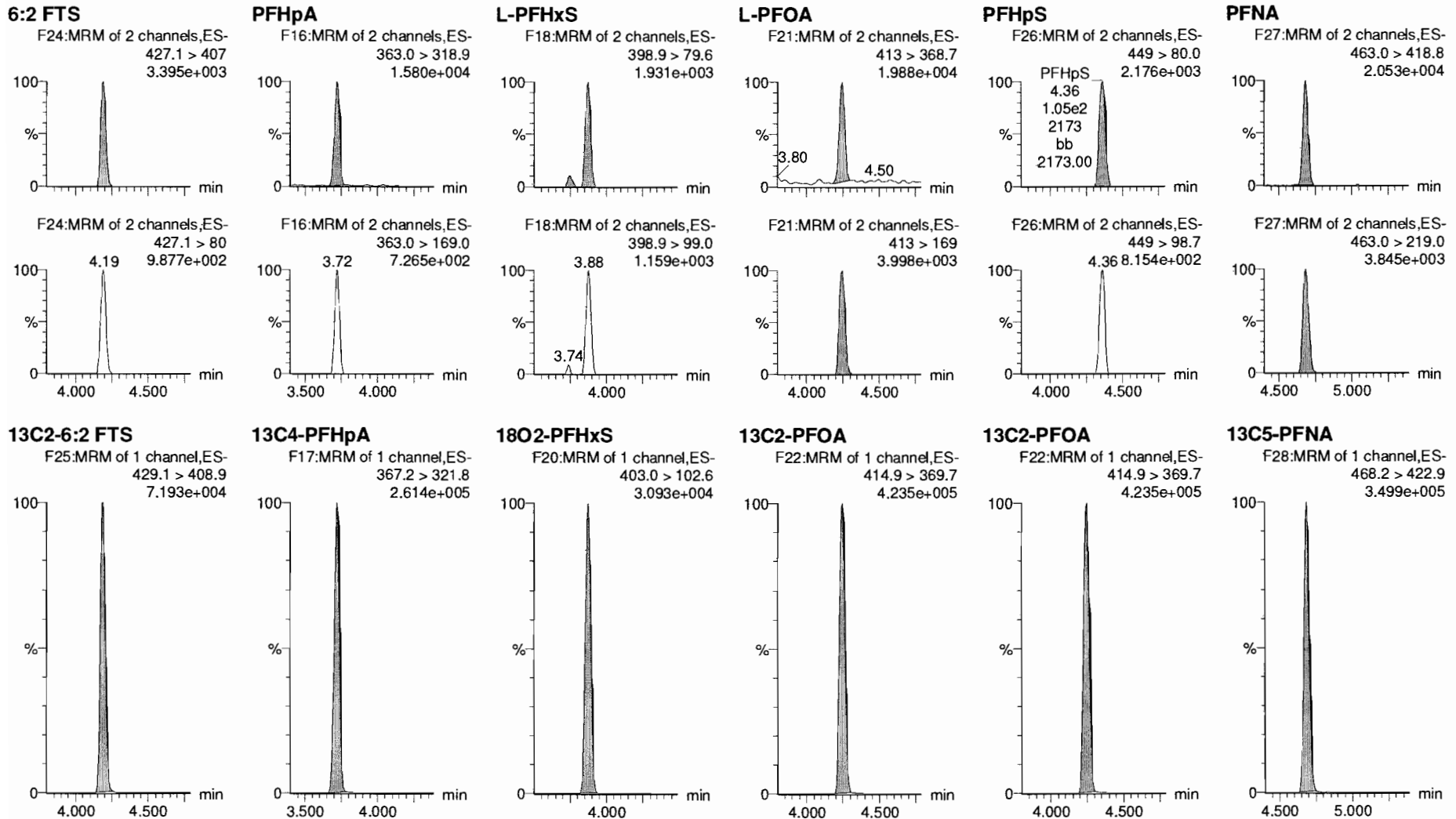
13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time
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Name: 180529M1_3, Date: 29-May-2018, Time: 18:01:16, ID: ST180529M1-2 PFC CS-1 18E2203, Description: PFC CS-1 18E2203

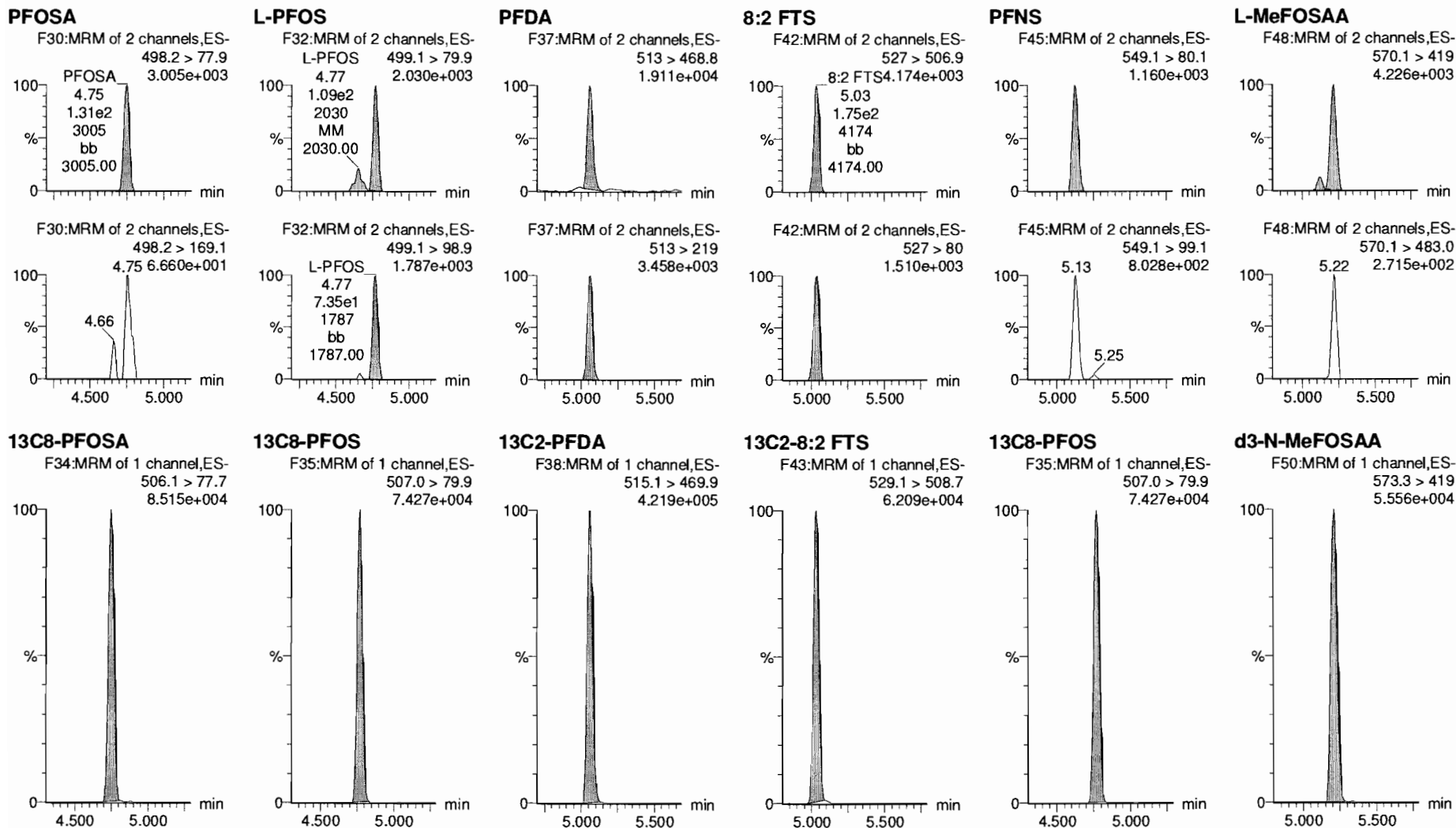


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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

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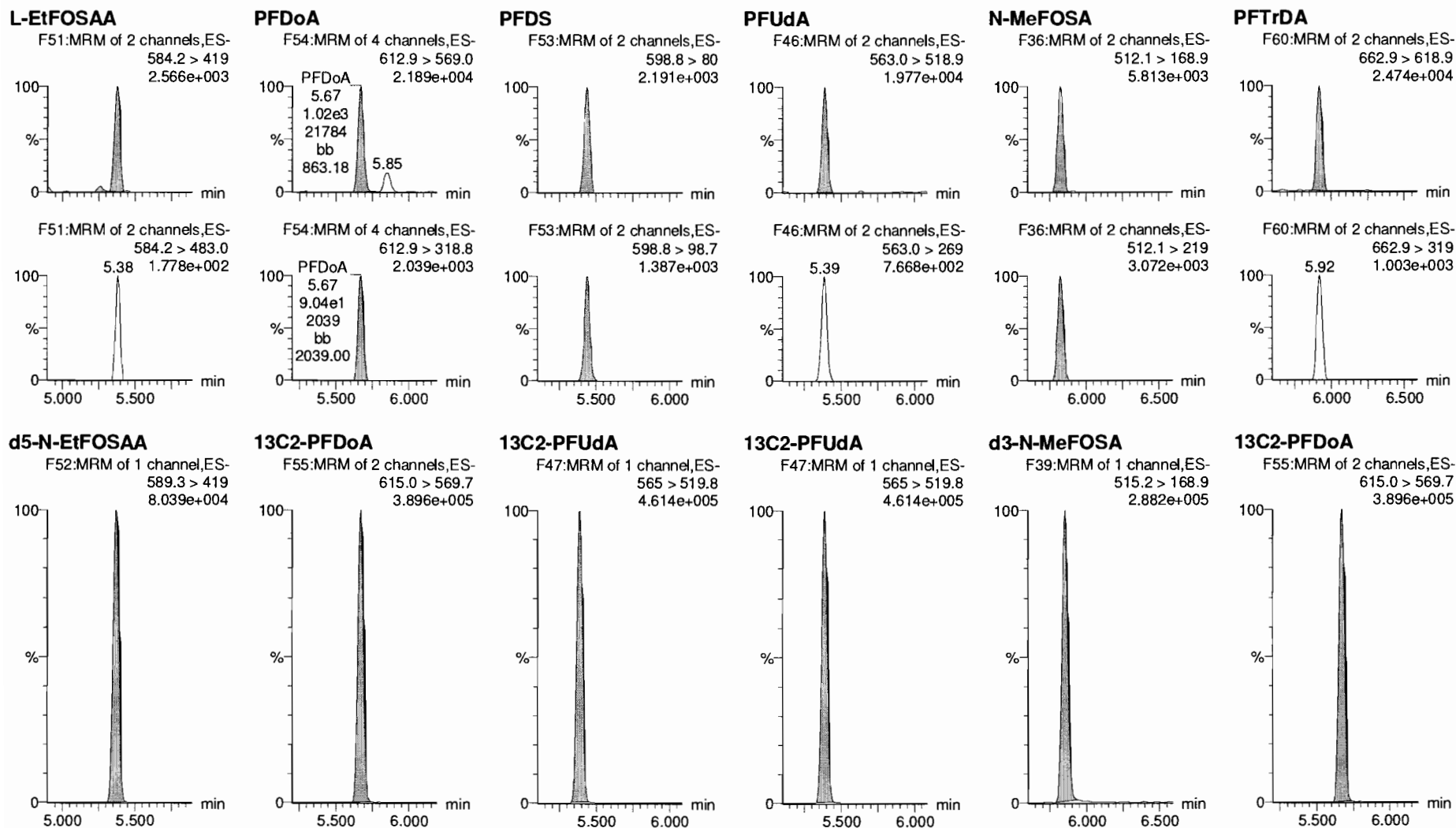


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_3, Date: 29-May-2018, Time: 18:01:16, ID: ST180529M1-2 PFC CS-1 18E2203, Description: PFC CS-1 18E2203

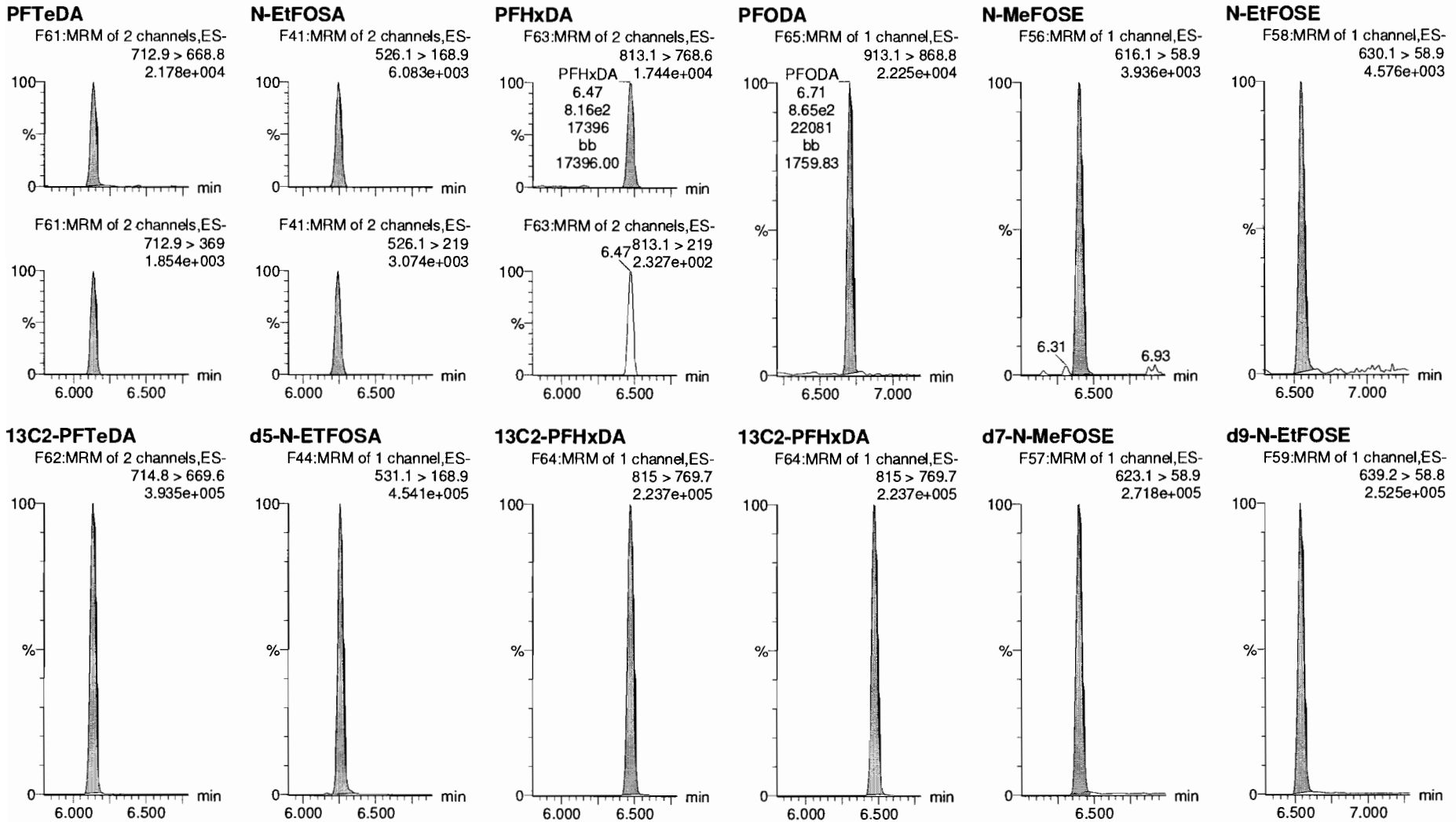


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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_3, Date: 29-May-2018, Time: 18:01:16, ID: ST180529M1-2 PFC CS-1 18E2203, Description: PFC CS-1 18E2203



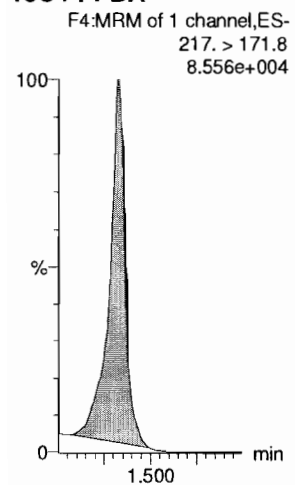
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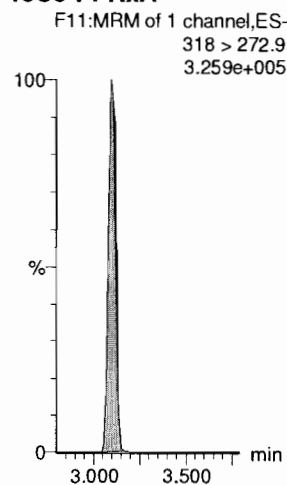
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

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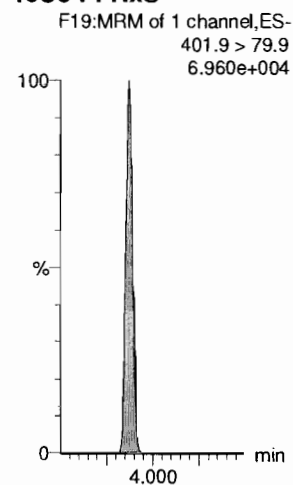
13C4-PFBA



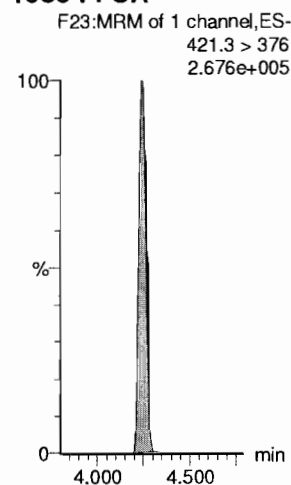
13C5-PFHxA



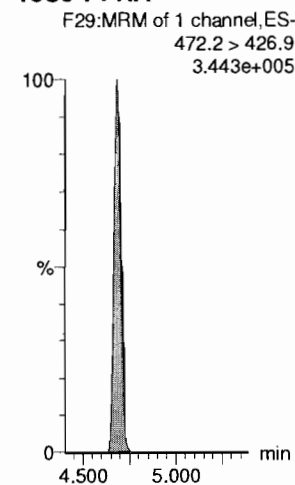
13C3-PFHxS



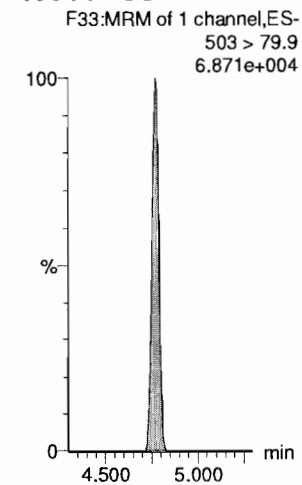
13C8-PFOA



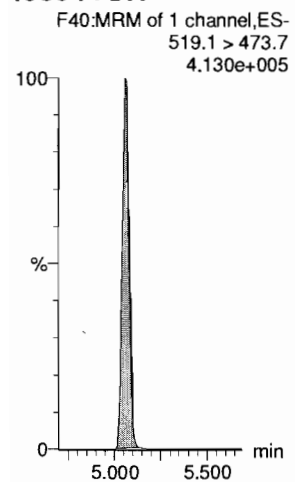
13C9-PFNA



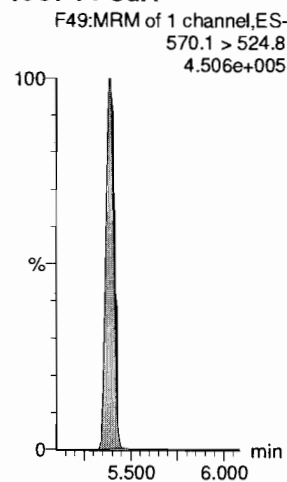
13C4-PFOS



13C6-PFDA



13C7-PFUdA

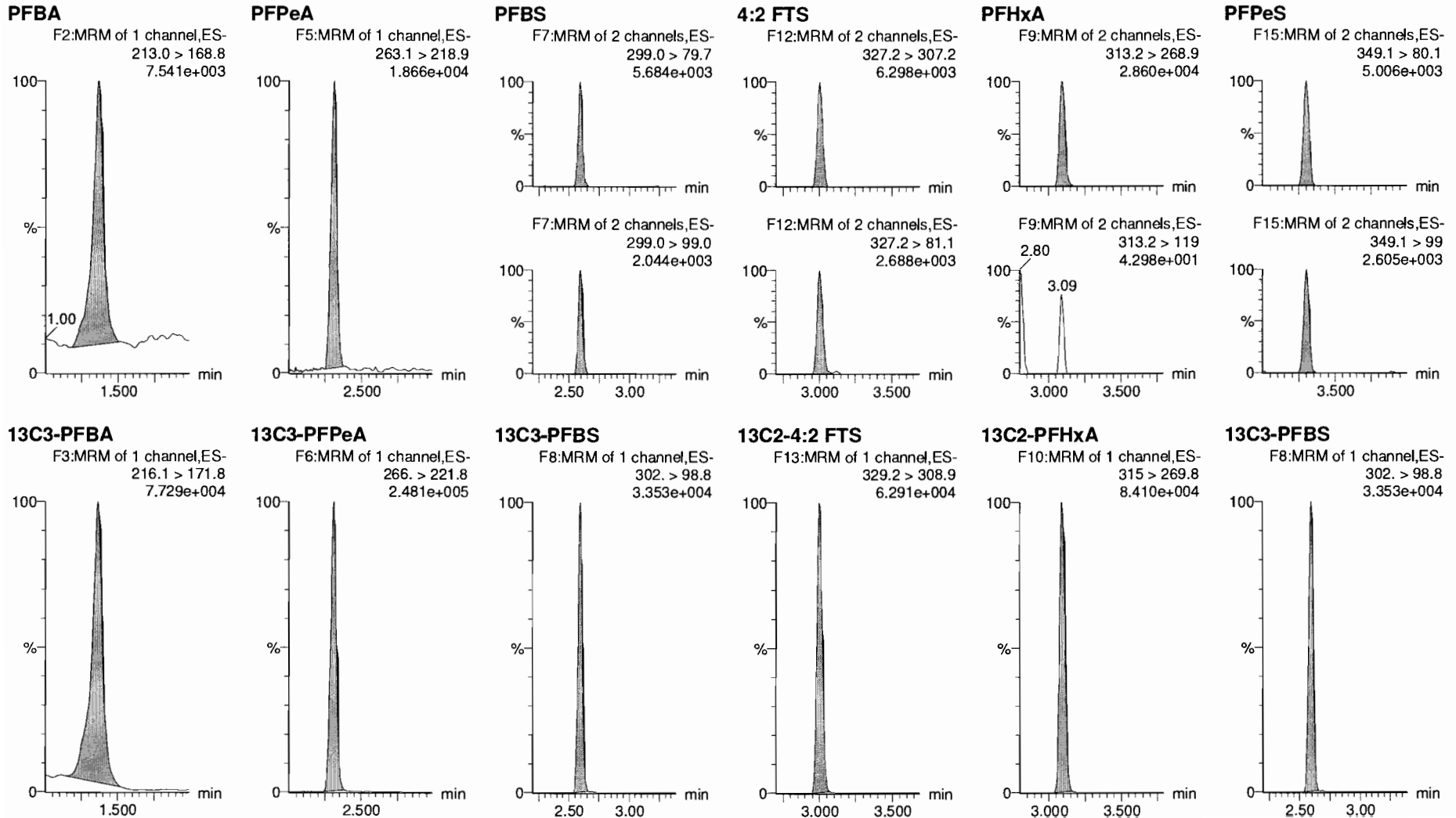


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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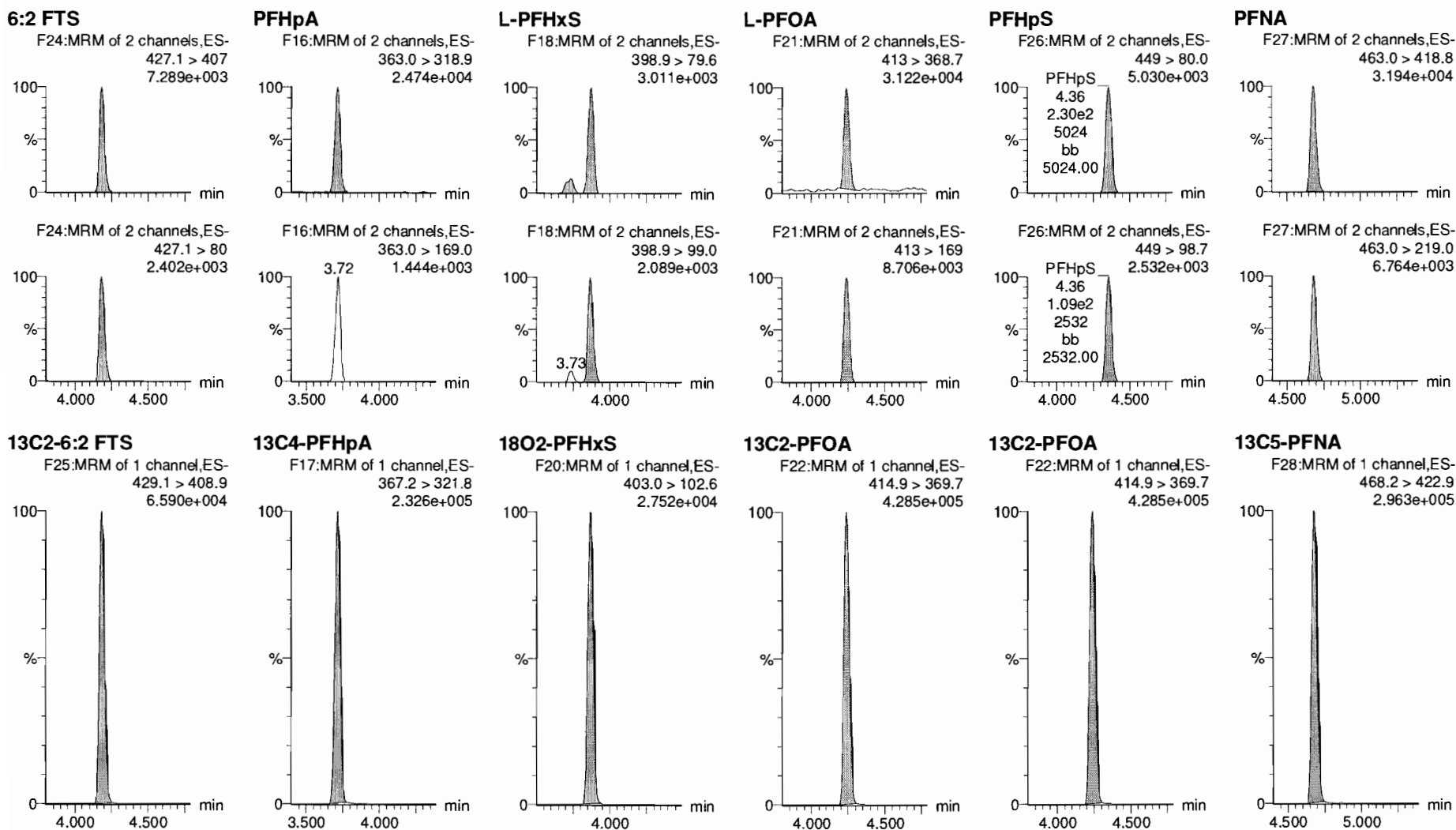


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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_4, Date: 29-May-2018, Time: 18:16:35, ID: ST180529M1-3 PFC CS0 18E2204, Description: PFC CS0 18E2204



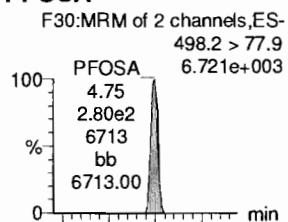
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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

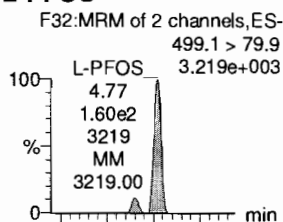
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

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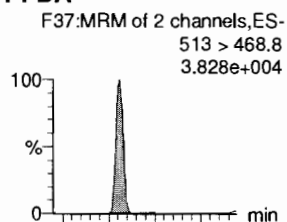
PFOSA



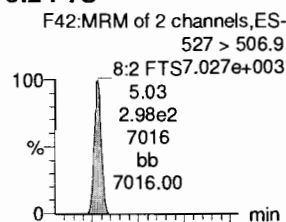
L-PFOS



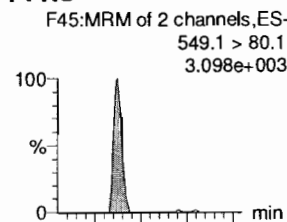
PFDA



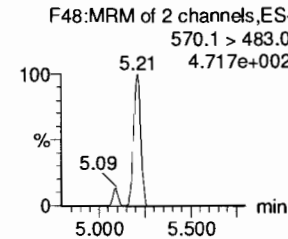
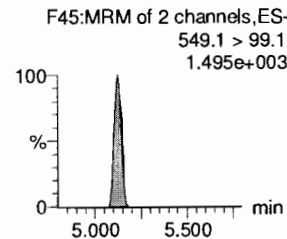
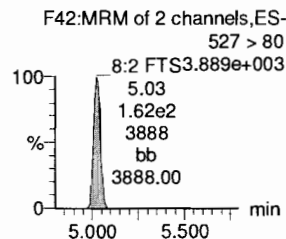
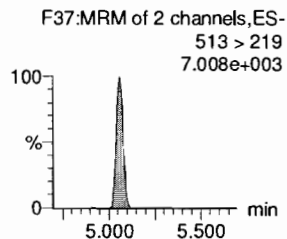
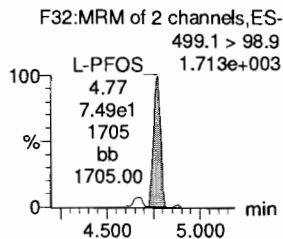
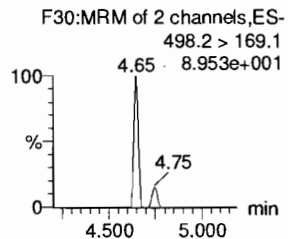
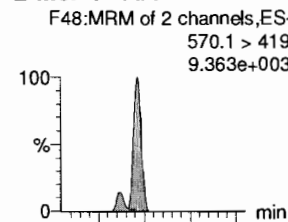
8:2 FTS



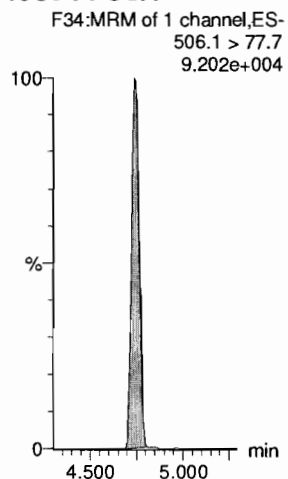
PFNS



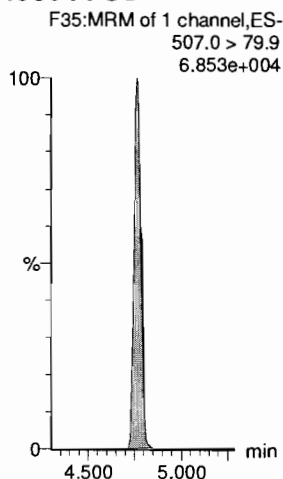
L-MeFOSAA



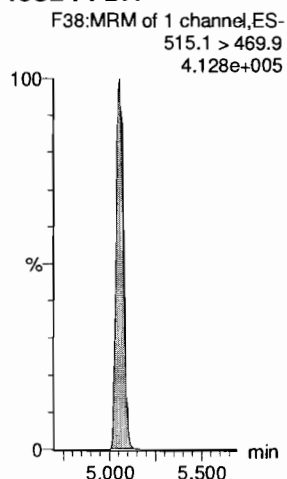
13C8-PFOSA



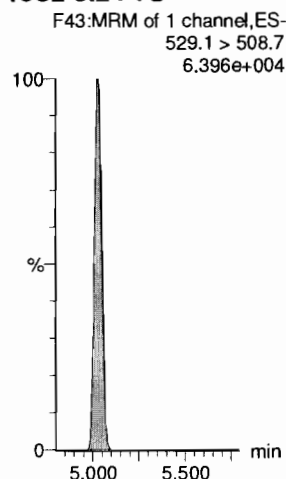
13C8-PFOS



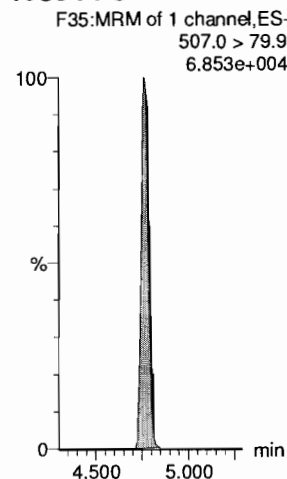
13C2-PFDA



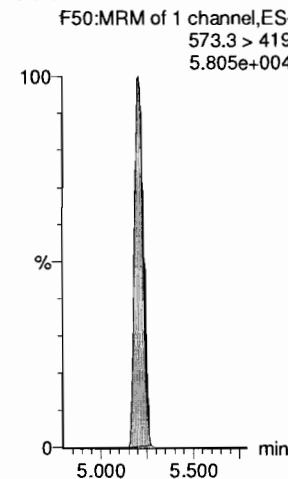
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

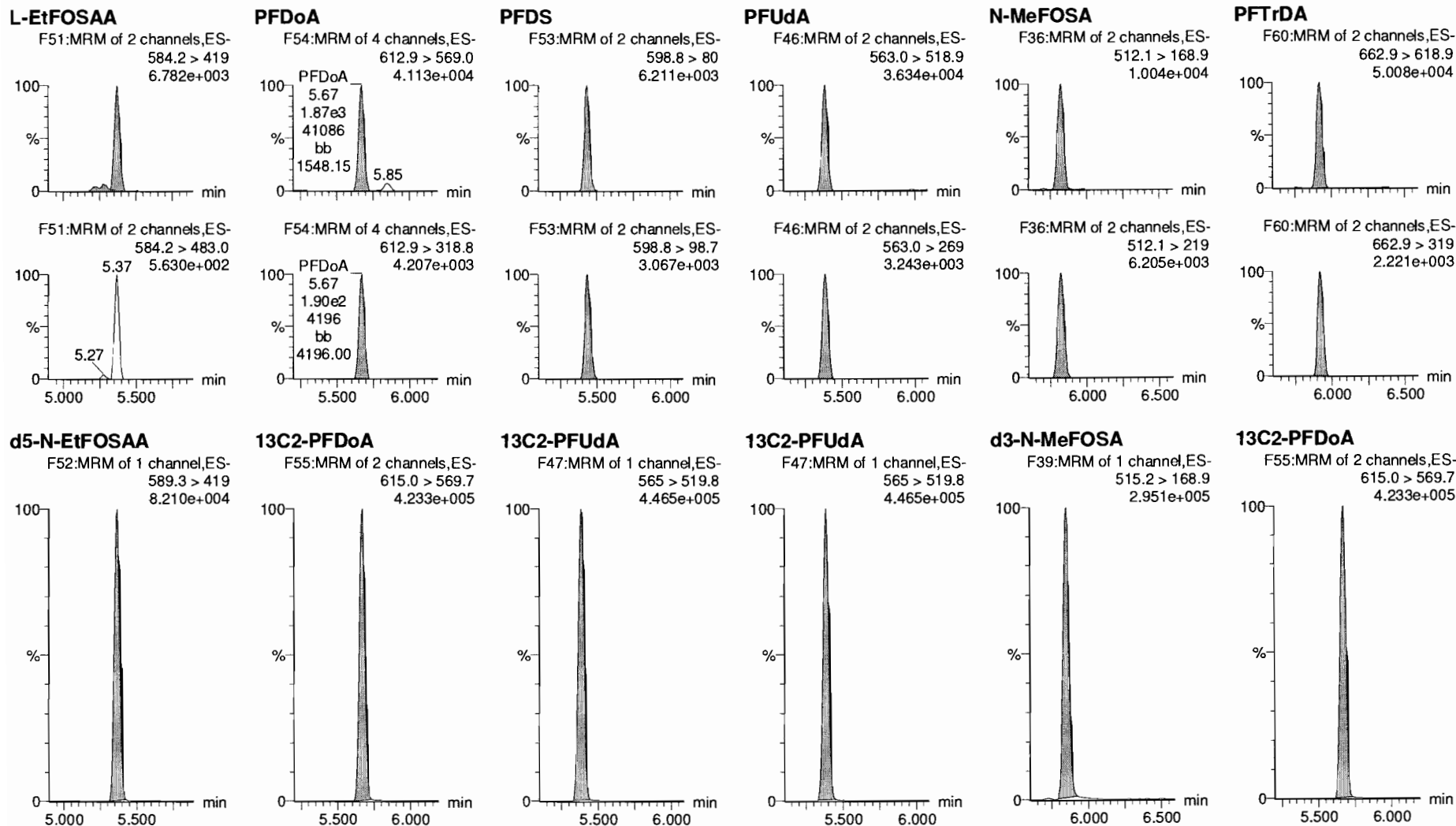


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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Name: 180529M1_4, Date: 29-May-2018, Time: 18:16:35, ID: ST180529M1-3 PFC CS0 18E2204, Description: PFC CS0 18E2204

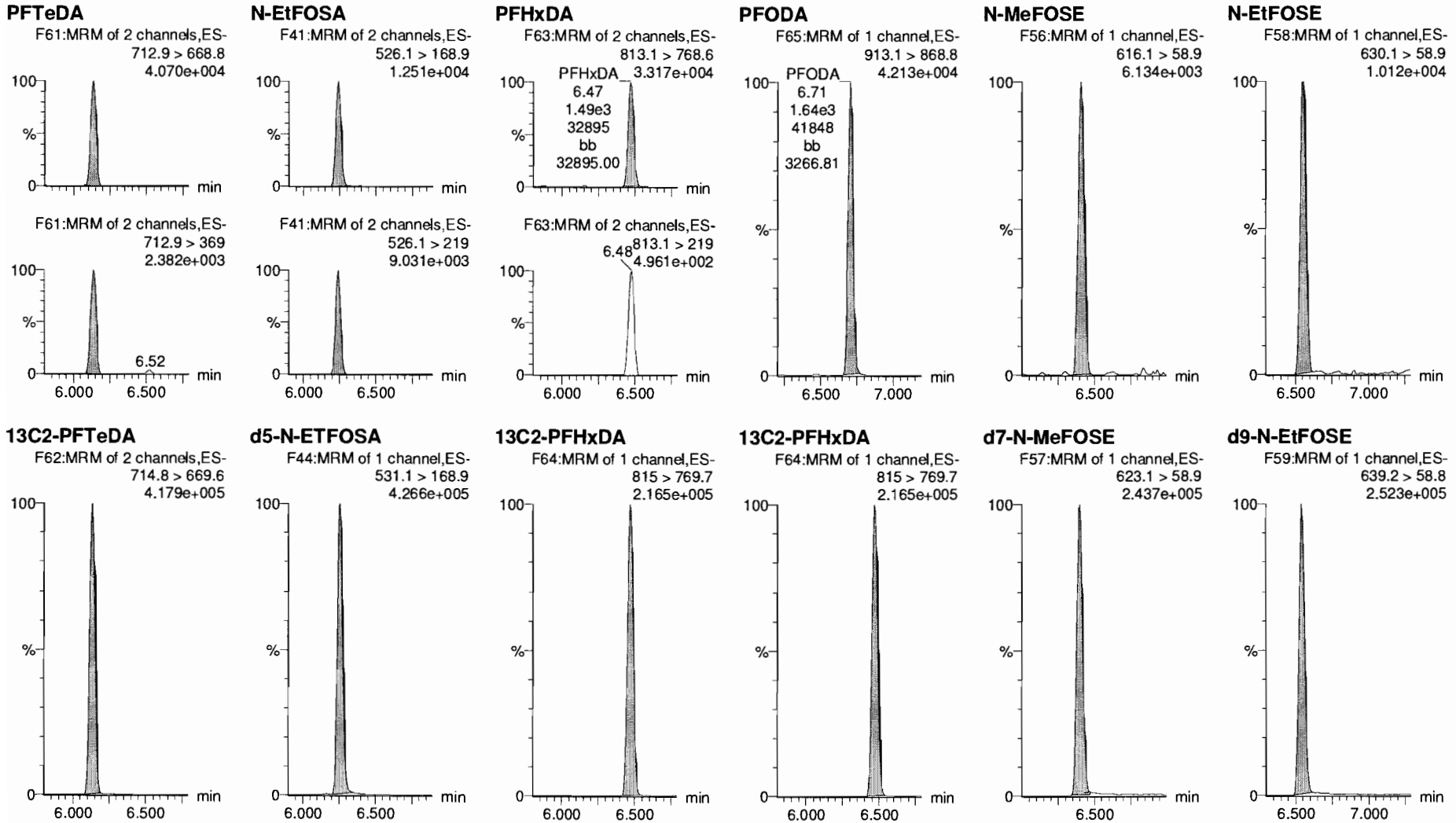


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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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Name: 180529M1_4, Date: 29-May-2018, Time: 18:16:35, ID: ST180529M1-3 PFC CS0 18E2204, Description: PFC CS0 18E2204

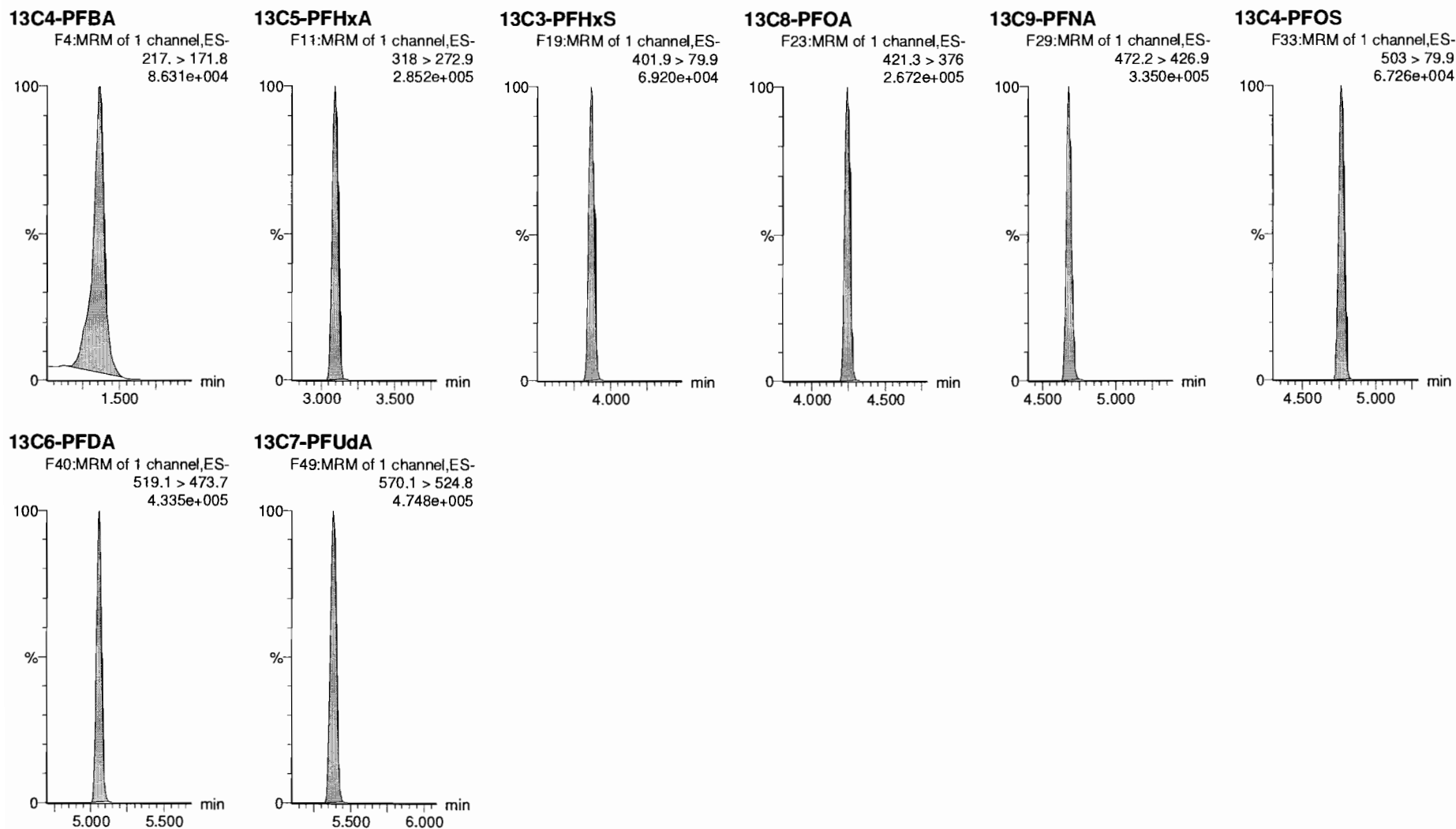


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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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Name: 180529M1_4, Date: 29-May-2018, Time: 18:16:35, ID: ST180529M1-3 PFC CS0 18E2204, Description: PFC CS0 18E2204

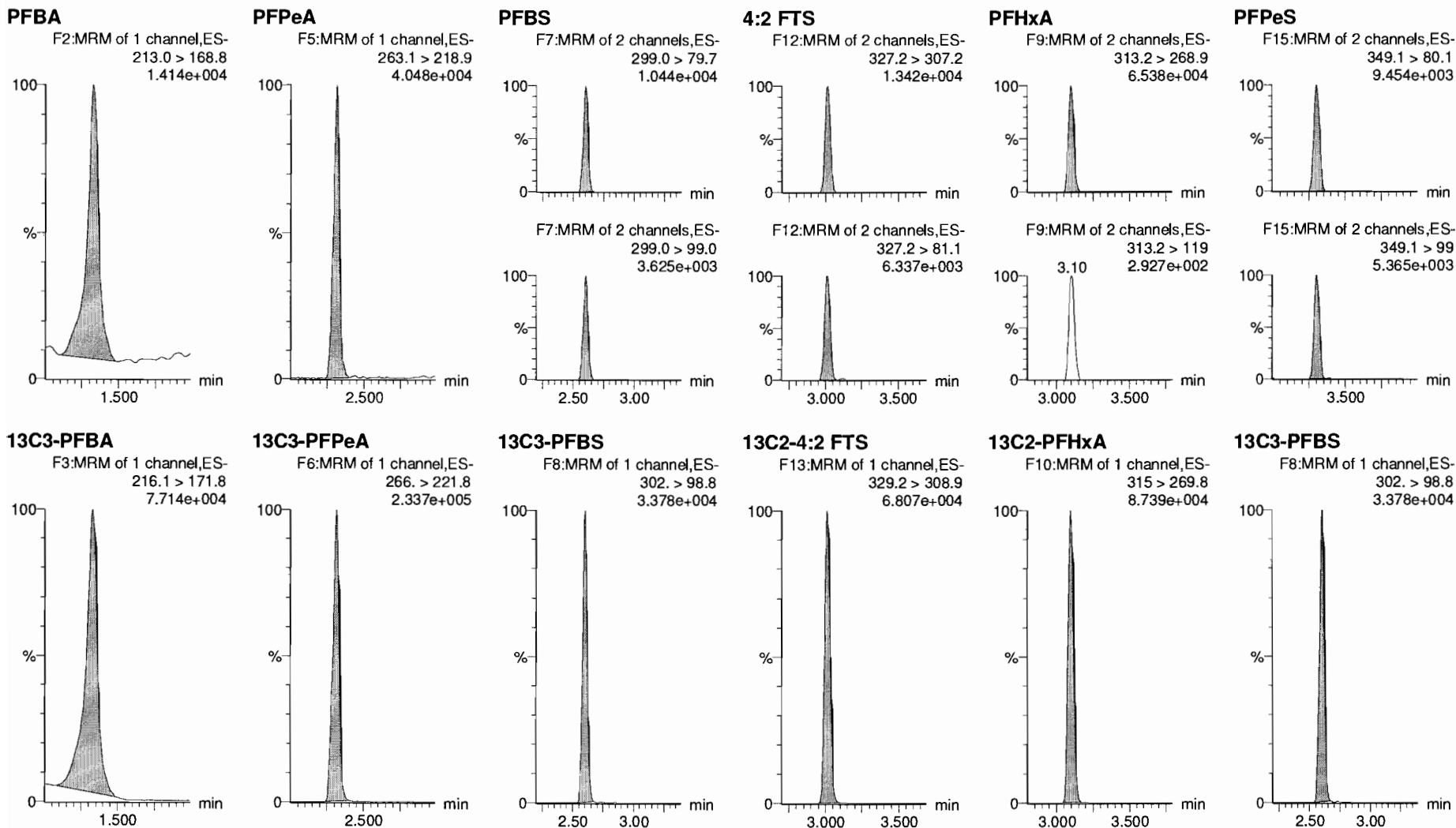


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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Name: 180529M1_5, Date: 29-May-2018, Time: 18:27:01, ID: ST180529M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205



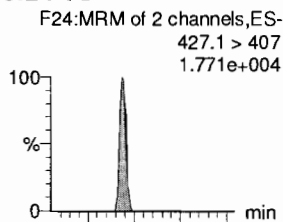
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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

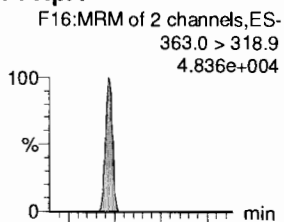
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_5, Date: 29-May-2018, Time: 18:27:01, ID: ST180529M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205

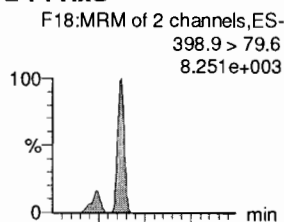
6:2 FTS



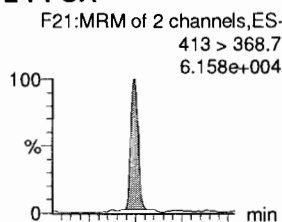
PFHpA



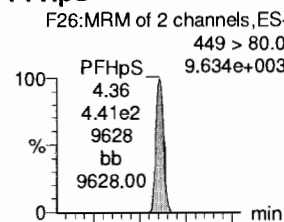
L-PFHxS



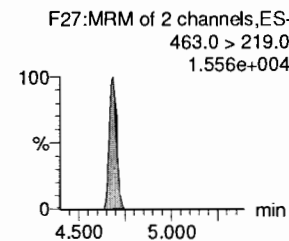
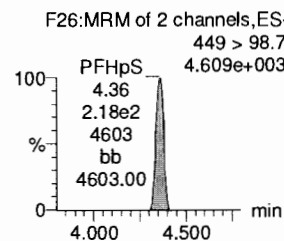
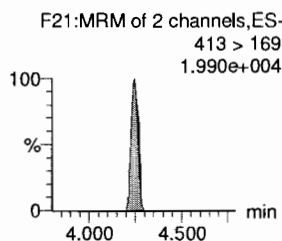
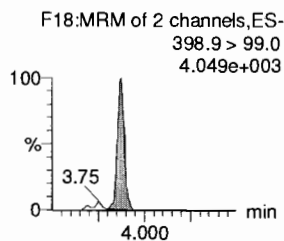
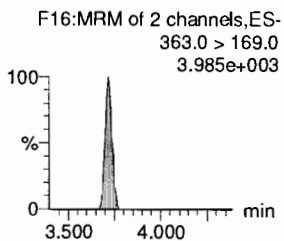
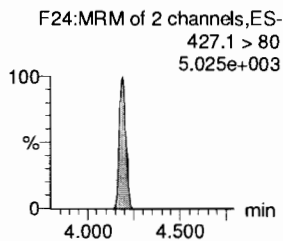
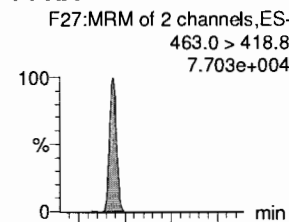
L-PFOA



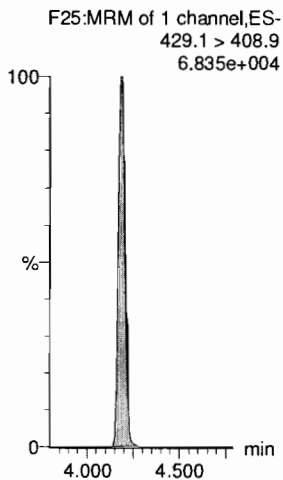
PFHpS



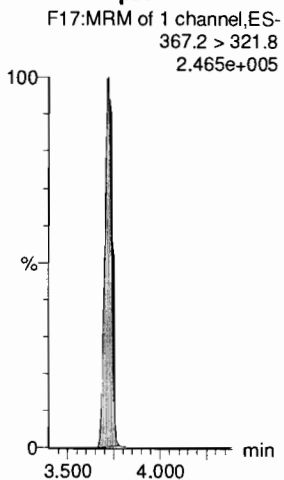
PFNA



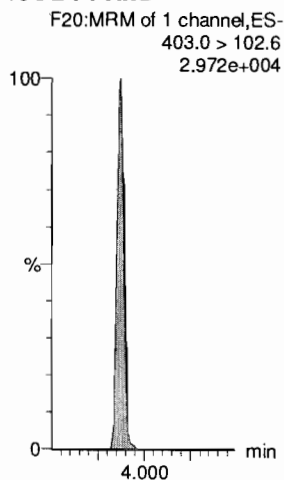
13C2-6:2 FTS



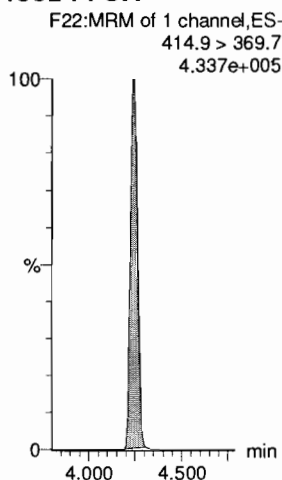
13C4-PFHpA



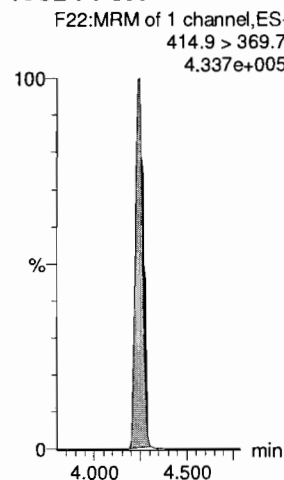
18O2-PFHxS



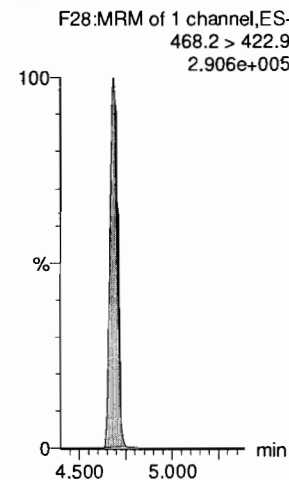
13C2-PFOA



13C2-PFOA



13C5-PFNA



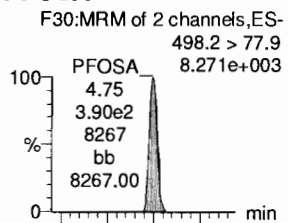
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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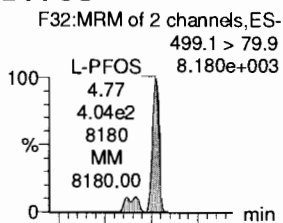
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_5, Date: 29-May-2018, Time: 18:27:01, ID: ST180529M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205

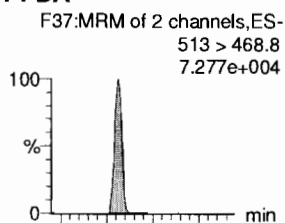
PFOSA



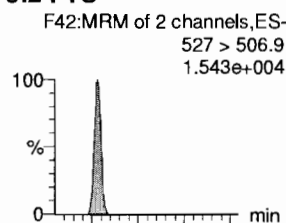
L-PFOS



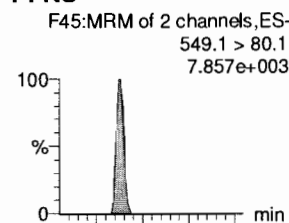
PFDA



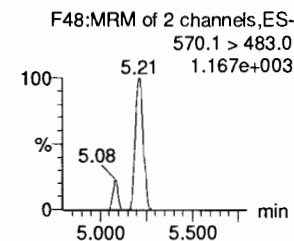
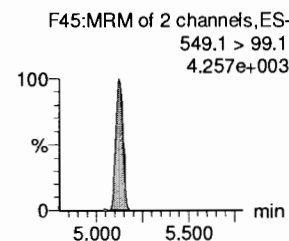
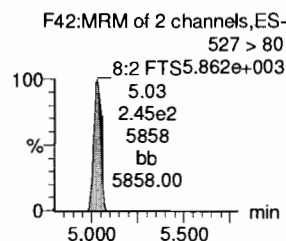
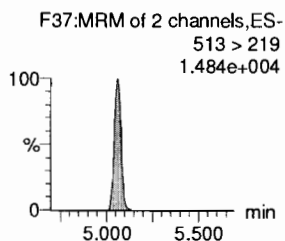
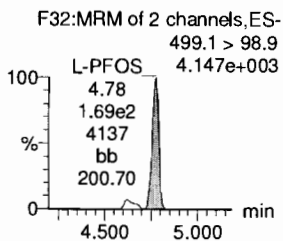
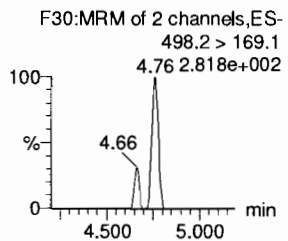
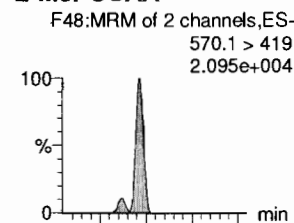
8:2 FTS



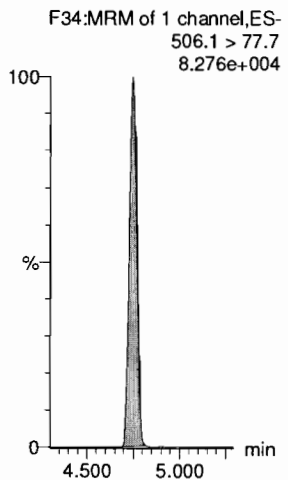
PFNS



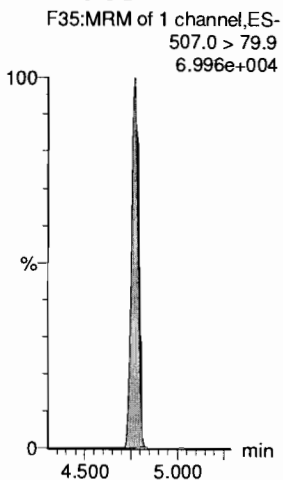
L-MeFOSAA



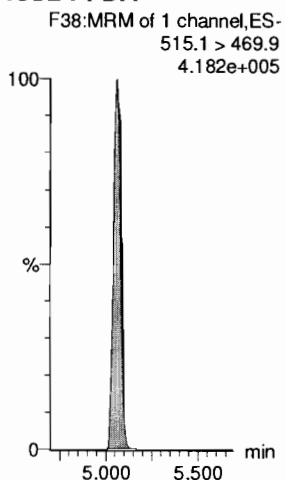
13C8-PFOSA



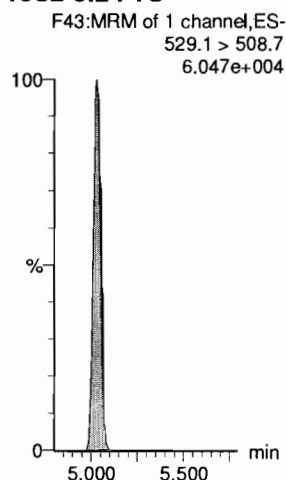
13C8-PFOS



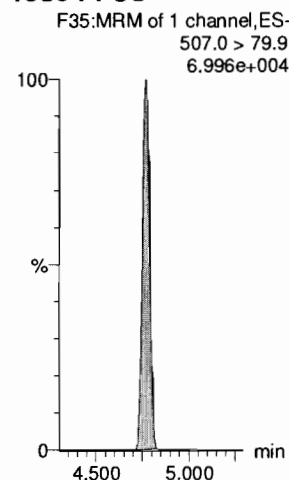
13C2-PFDA



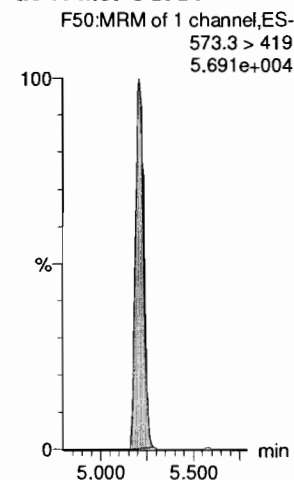
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



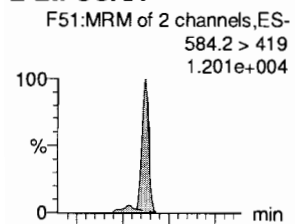
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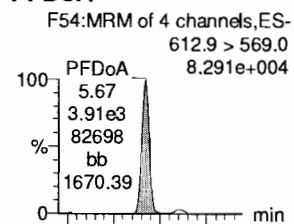
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Name: 180529M1_5, Date: 29-May-2018, Time: 18:27:01, ID: ST180529M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205

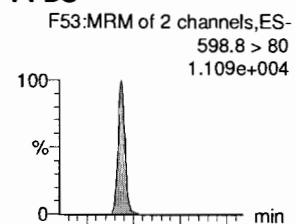
L-EtFOSAA



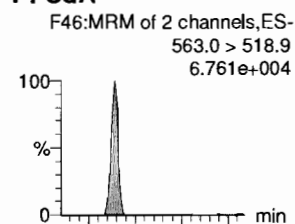
PFDoA



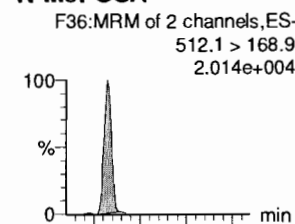
PFDS



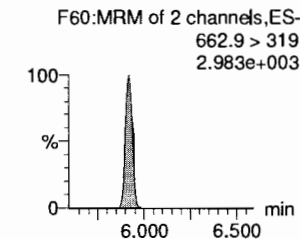
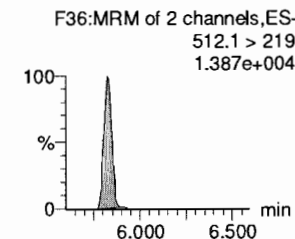
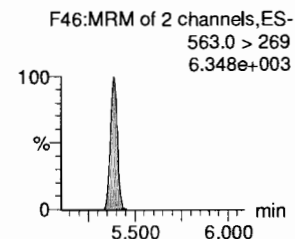
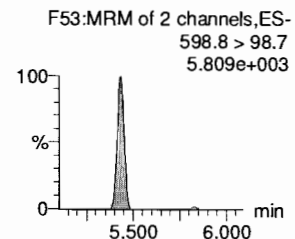
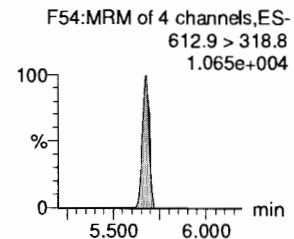
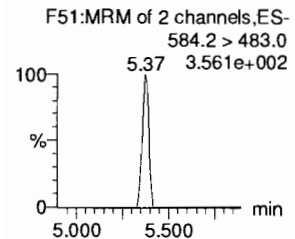
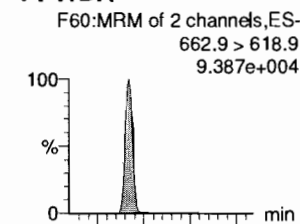
PFUdA



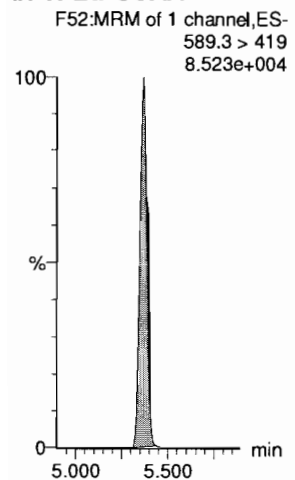
N-MeFOSA



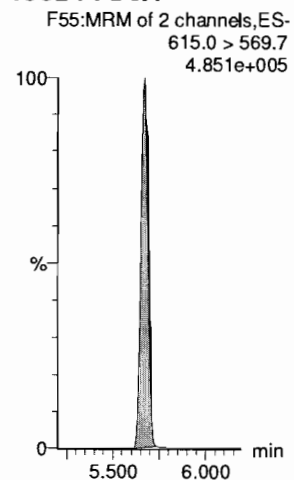
PFTTrDA



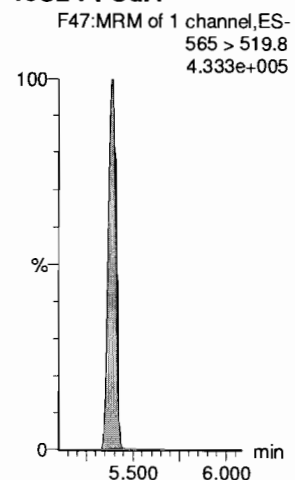
d5-N-EtFOSAA



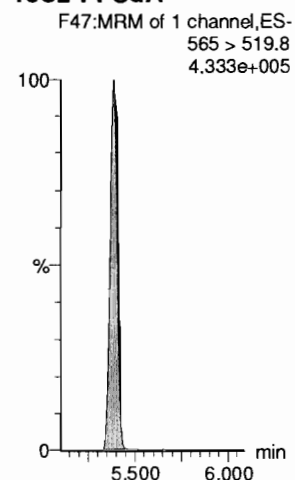
13C2-PFDoA



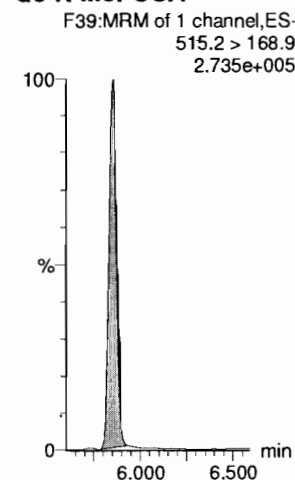
13C2-PFUdA



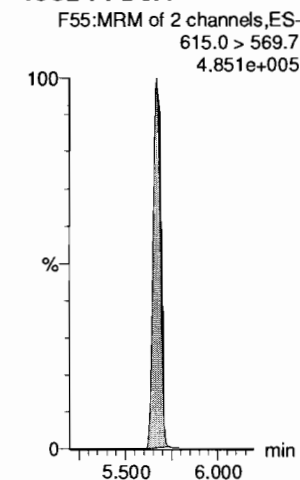
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

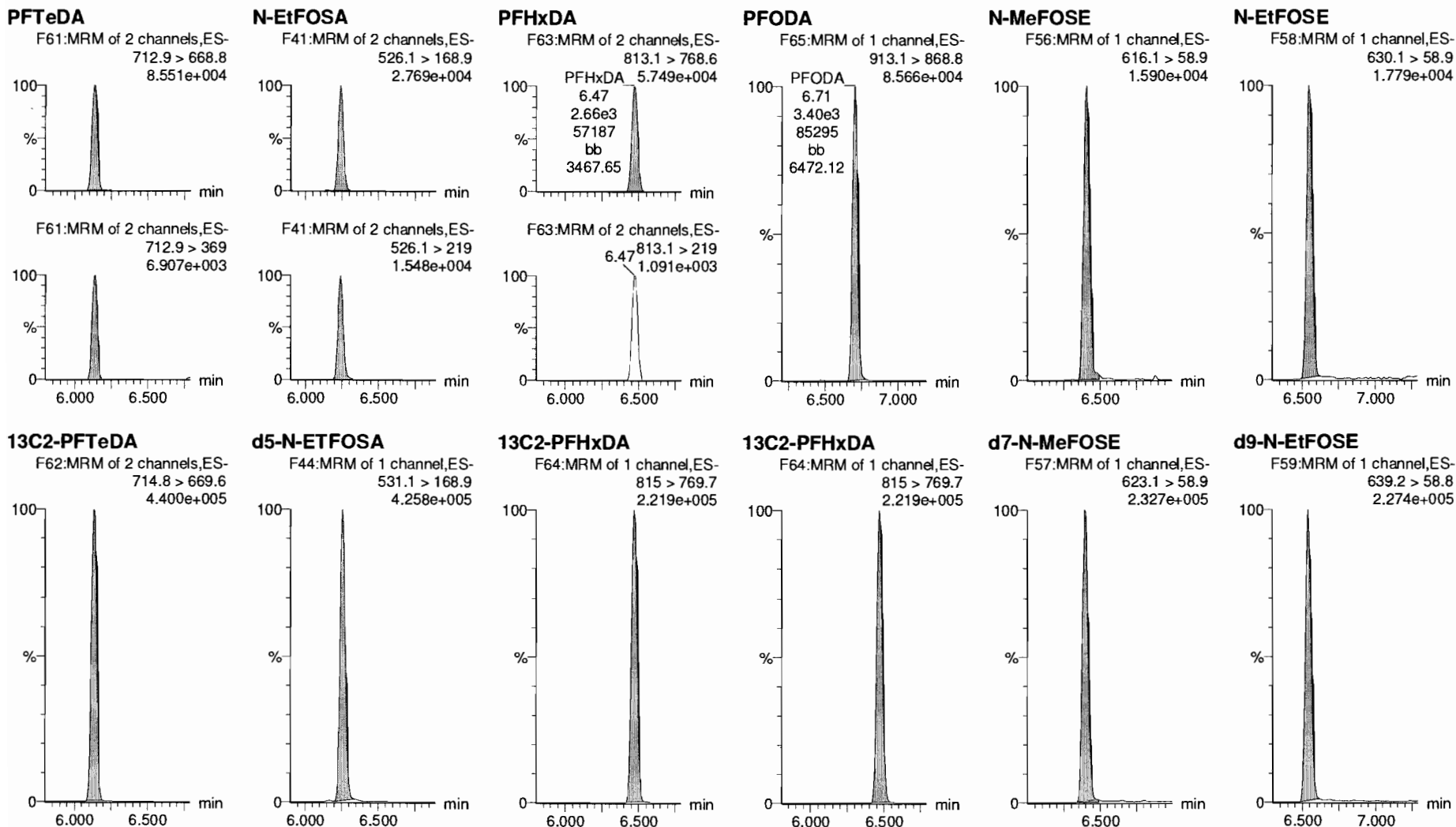


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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Name: 180529M1_5, Date: 29-May-2018, Time: 18:27:01, ID: ST180529M1-4 PFC CS1 18E2205, Description: PFC CS1 18E2205



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

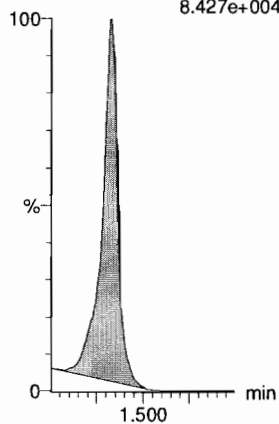
Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

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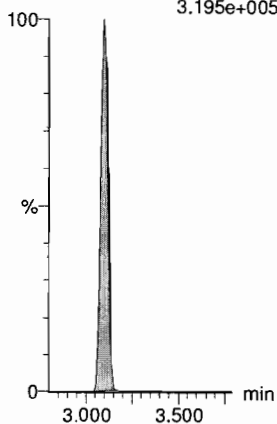
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 171.8
8.427e+004



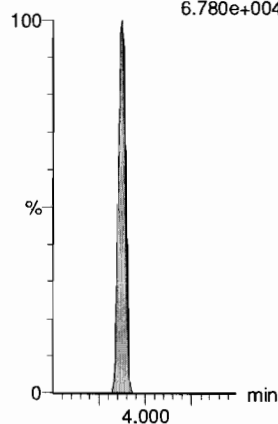
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
3.195e+005



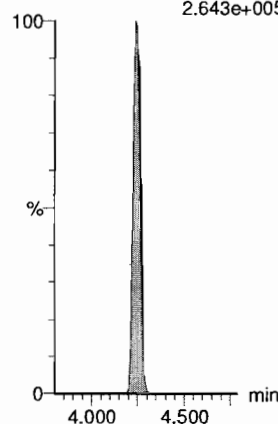
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.9 > 79.9
6.780e+004



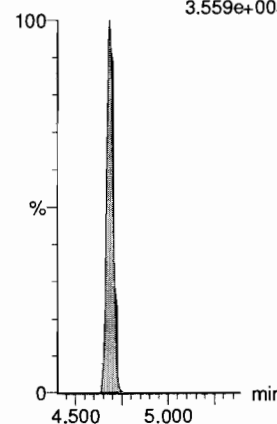
13C8-PFOA

F23:MRM of 1 channel,ES-
421.3 > 376
2.643e+005



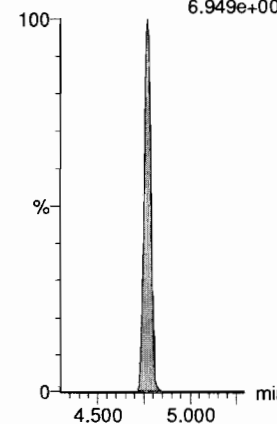
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
3.559e+005



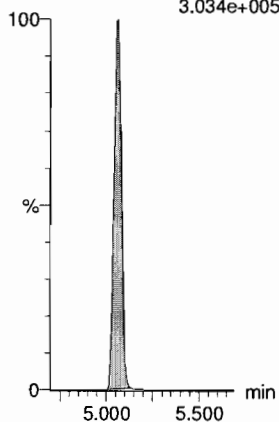
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
6.949e+004



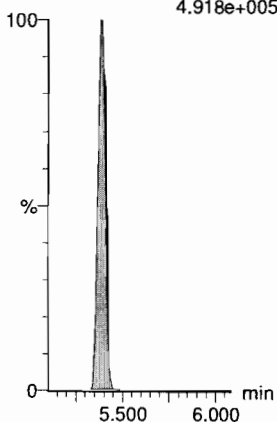
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
3.034e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
4.918e+005

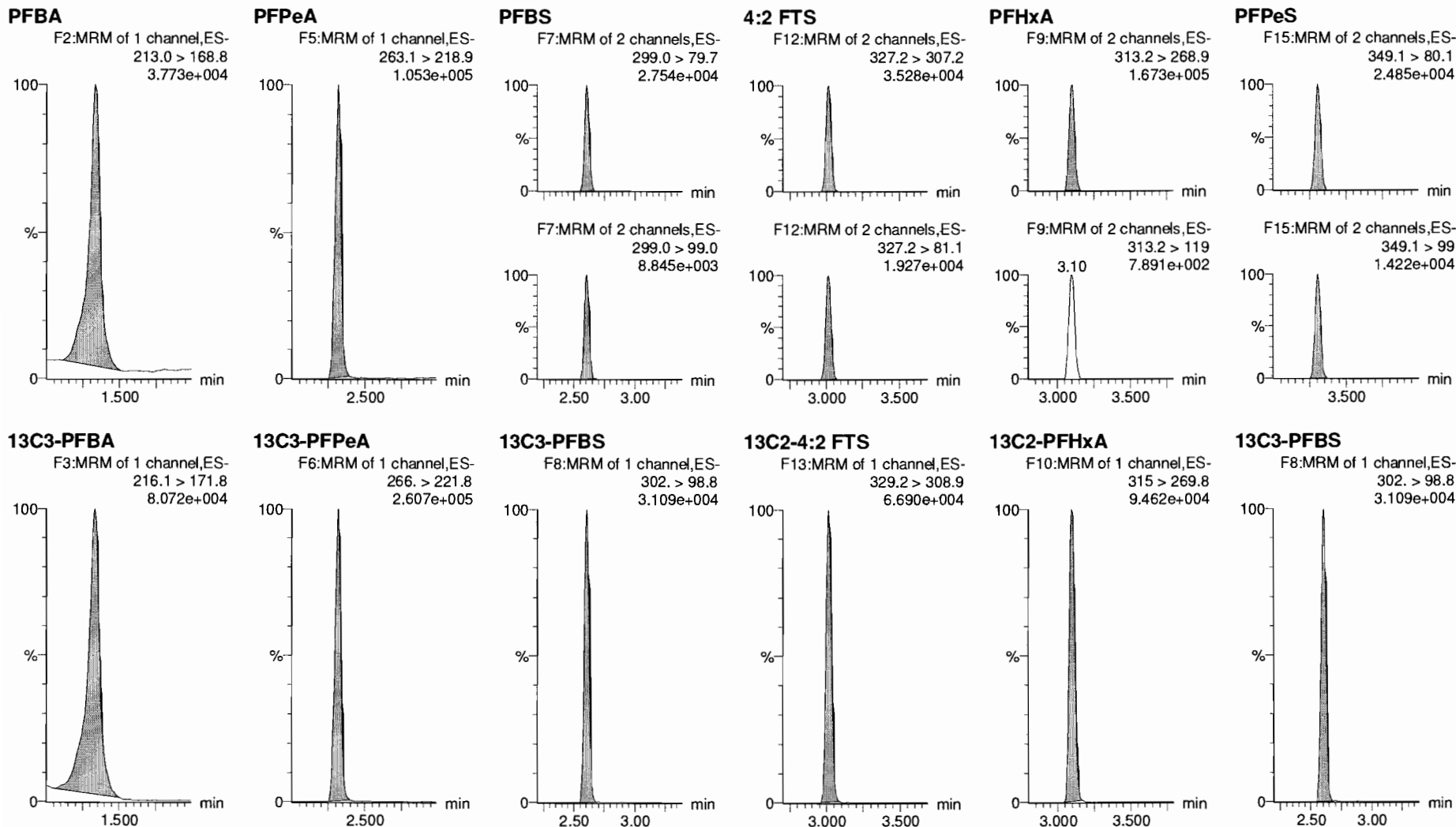


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

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Name: 180529M1_6, Date: 29-May-2018, Time: 18:37:31, ID: ST180529M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

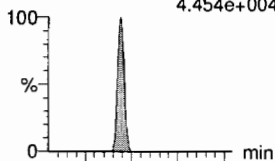
Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

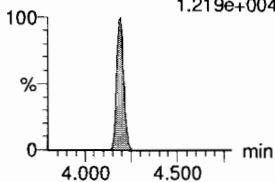
Name: 180529M1_6, Date: 29-May-2018, Time: 18:37:31, ID: ST180529M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206

6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
4.454e+004

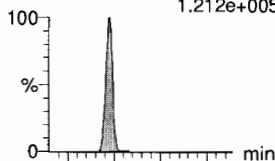


F24:MRM of 2 channels,ES-
427.1 > 80
1.219e+004

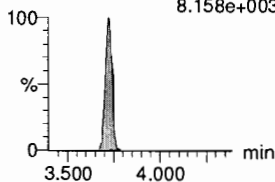


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
1.212e+005

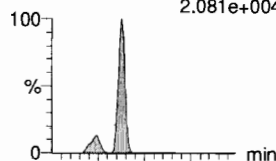


F16:MRM of 2 channels,ES-
363.0 > 169.0
8.158e+003

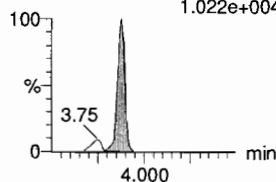


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
2.081e+004

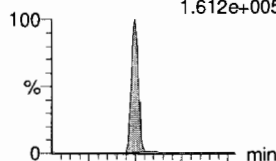


F18:MRM of 2 channels,ES-
398.9 > 99.0
1.022e+004

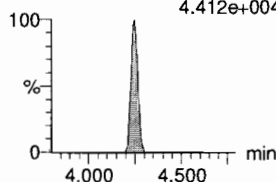


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
1.612e+005

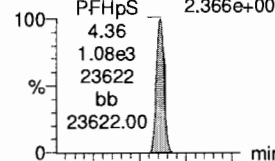


F21:MRM of 2 channels,ES-
413 > 169
4.412e+004

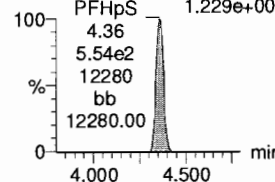


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
2.366e+004

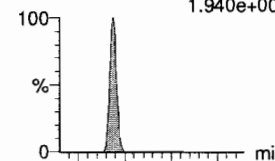


F26:MRM of 2 channels,ES-
449 > 98.7
1.229e+004

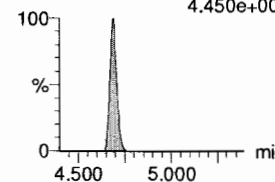


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
1.940e+005

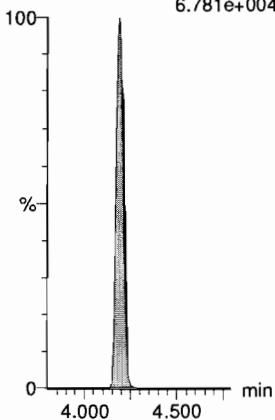


F27:MRM of 2 channels,ES-
463.0 > 219.0
4.450e+004



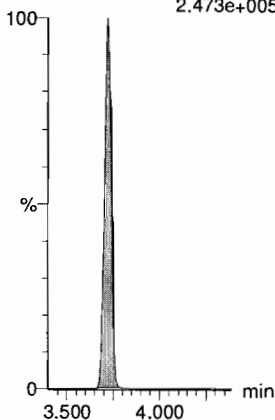
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
6.781e+004



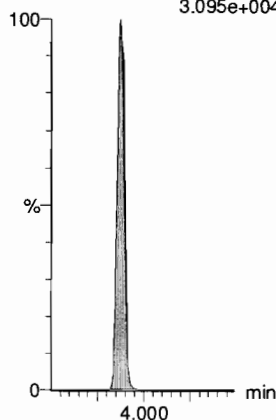
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
2.473e+005



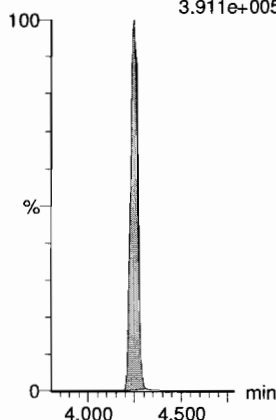
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
3.095e+004



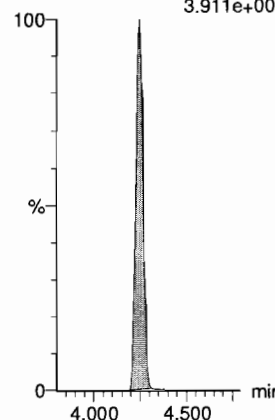
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.911e+005



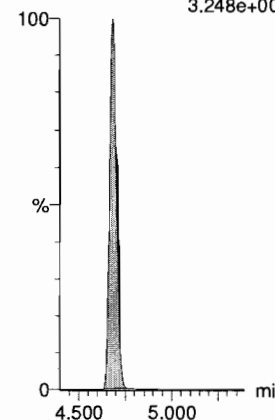
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
3.911e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
3.248e+005



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

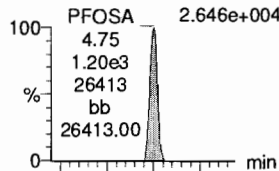
Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

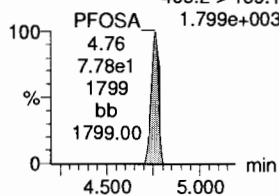
Name: 180529M1_6, Date: 29-May-2018, Time: 18:37:31, ID: ST180529M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206

PFOSA

F30:MRM of 2 channels,ES-
498.2 > 77.9
2.646e+004

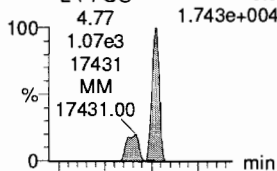


F30:MRM of 2 channels,ES-
498.2 > 169.1
1.799e+003

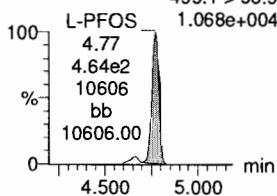


L-PFOS

F32:MRM of 2 channels,ES-
L-PFOS 499.1 > 79.9
1.743e+004

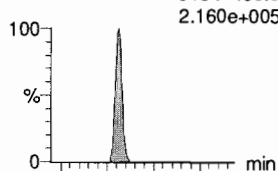


F32:MRM of 2 channels,ES-
L-PFOS 499.1 > 98.9
1.068e+004

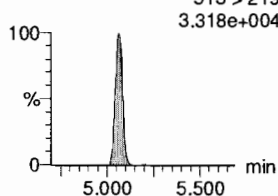


PFDA

F37:MRM of 2 channels,ES-
513 > 468.8
2.160e+005

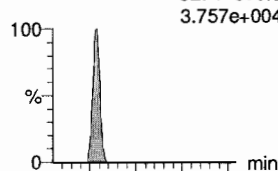


F37:MRM of 2 channels,ES-
513 > 219
3.318e+004

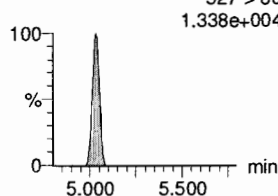


8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
3.757e+004

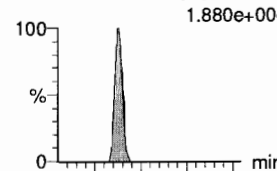


F42:MRM of 2 channels,ES-
527 > 80
1.338e+004

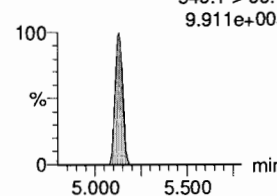


PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
1.880e+004

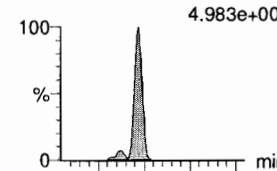


F45:MRM of 2 channels,ES-
549.1 > 99.1
9.911e+003

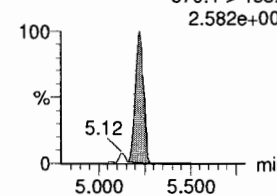


L-MeFOSAA

F48:MRM of 2 channels,ES-
570.1 > 419
4.983e+004

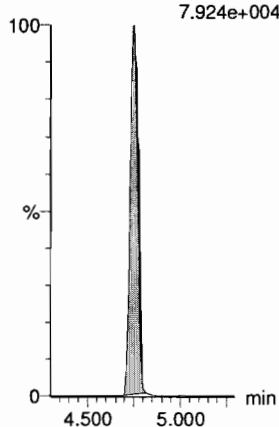


F48:MRM of 2 channels,ES-
570.1 > 483.0
2.582e+003



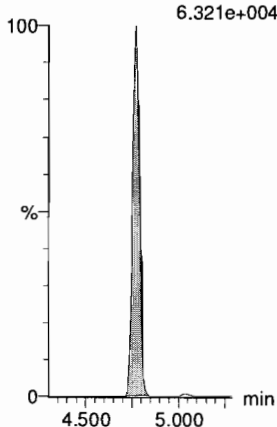
13C8-PFOSA

F34:MRM of 1 channel,ES-
506.1 > 77.7
7.924e+004



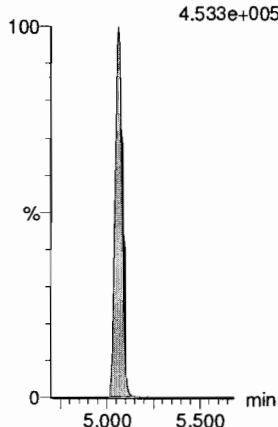
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
6.321e+004



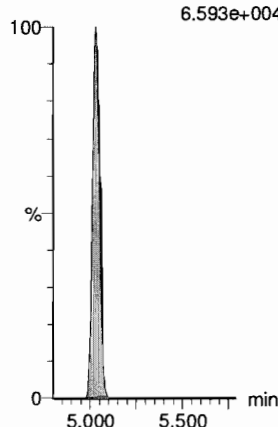
13C2-PFDA

F38:MRM of 1 channel,ES-
515.1 > 469.9
4.533e+005



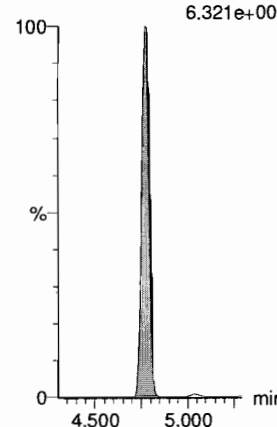
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
6.593e+004



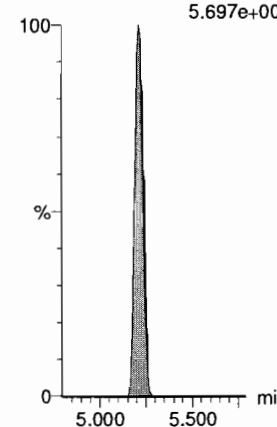
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
6.321e+004



d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
5.697e+004



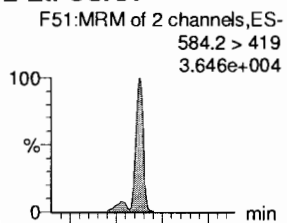
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

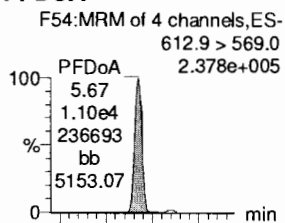
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_6, Date: 29-May-2018, Time: 18:37:31, ID: ST180529M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206

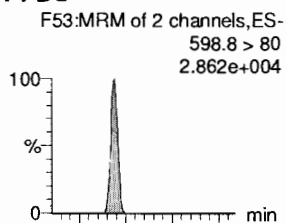
L-EtFOSAA



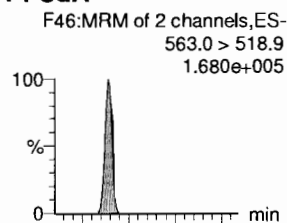
PFDoA



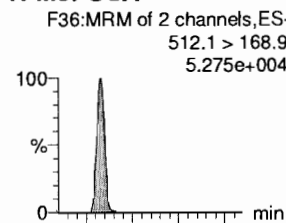
PFDS



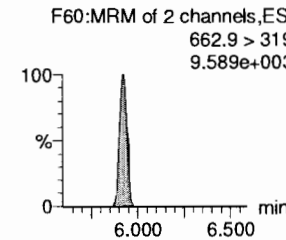
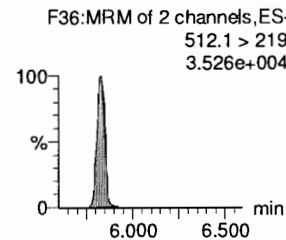
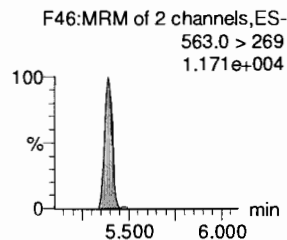
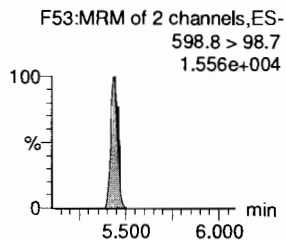
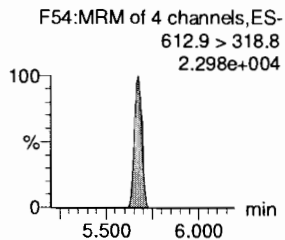
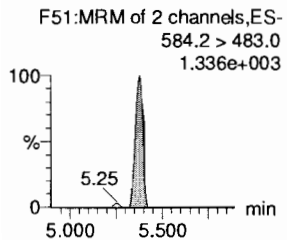
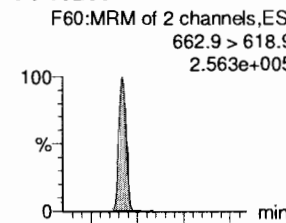
PFUdA



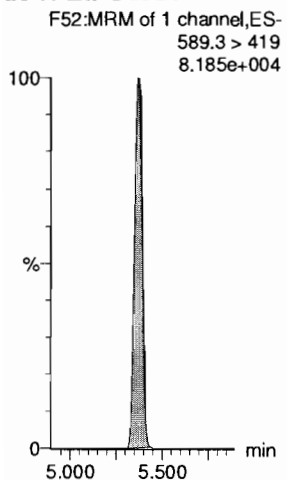
N-MeFOSA



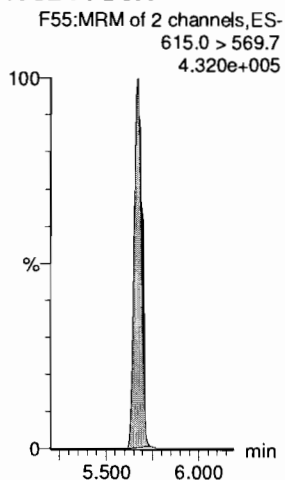
PFTrDA



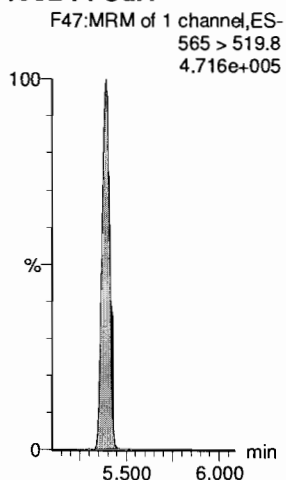
d5-N-EtFOSAA



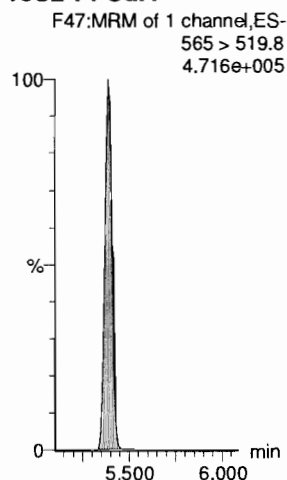
13C2-PFDoA



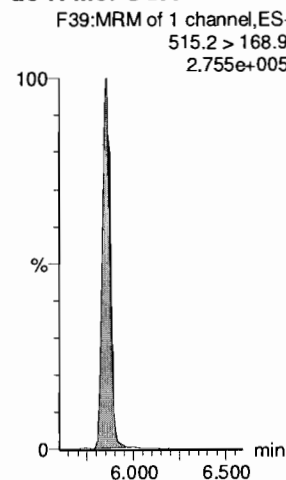
13C2-PFUdA



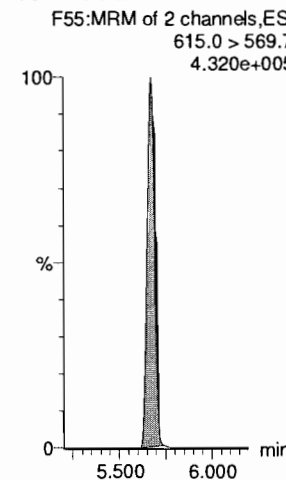
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

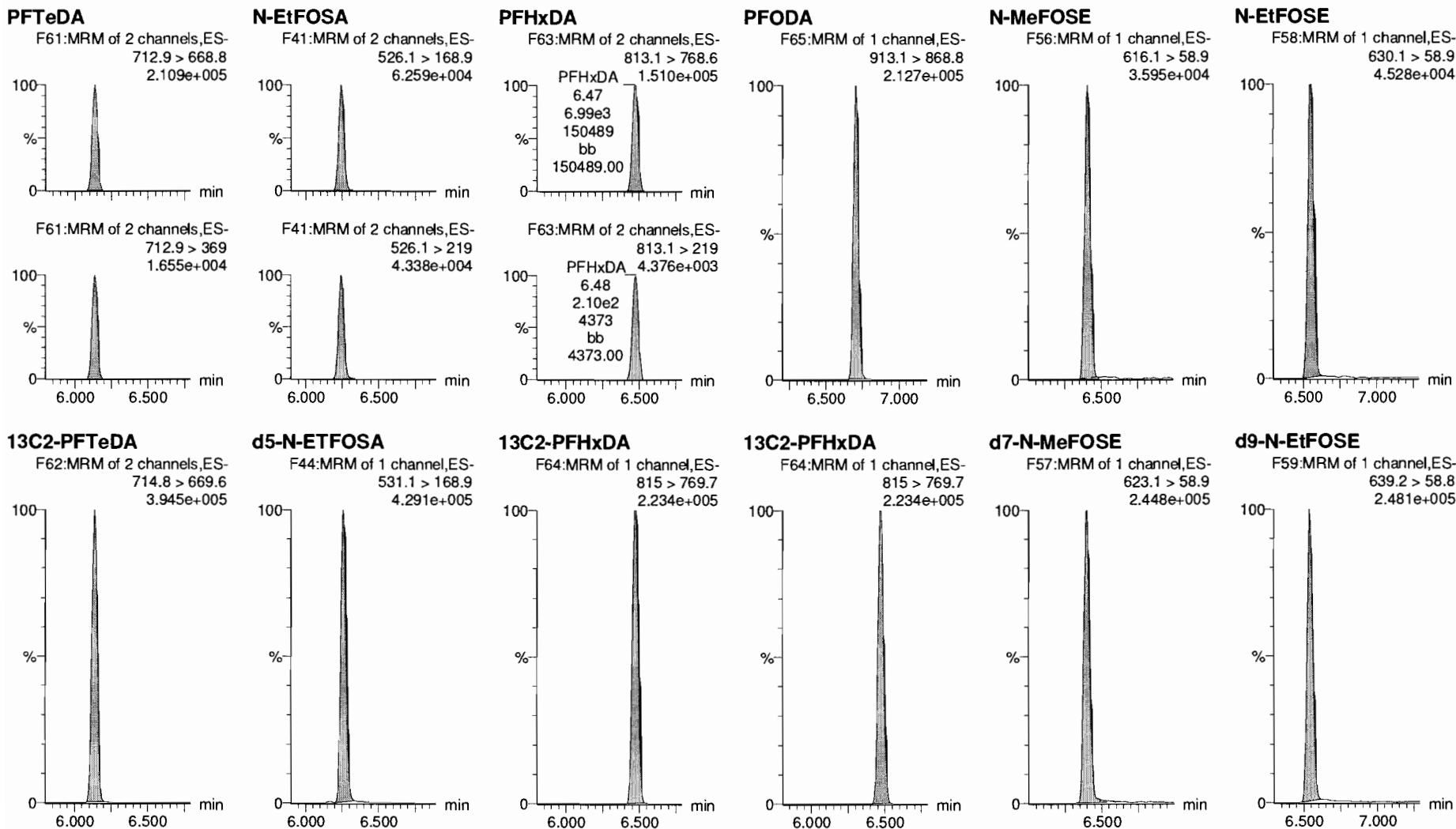


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_6, Date: 29-May-2018, Time: 18:37:31, ID: ST180529M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206



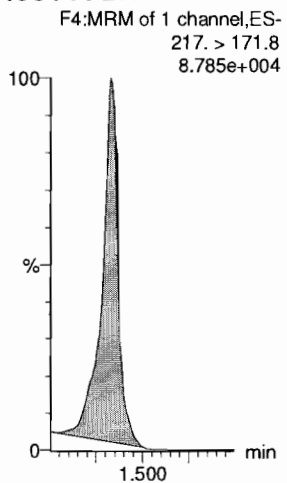
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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

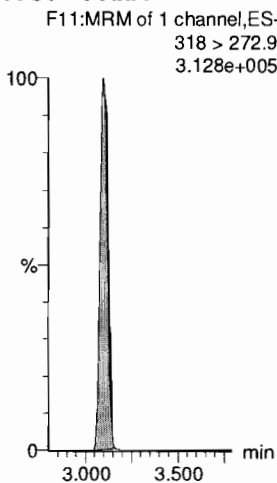
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Name: 180529M1_6, Date: 29-May-2018, Time: 18:37:31, ID: ST180529M1-5 PFC CS2 18E2206, Description: PFC CS2 18E2206

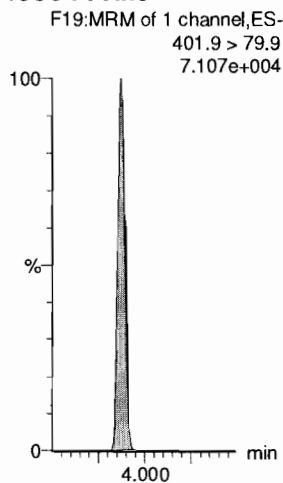
13C4-PFBA



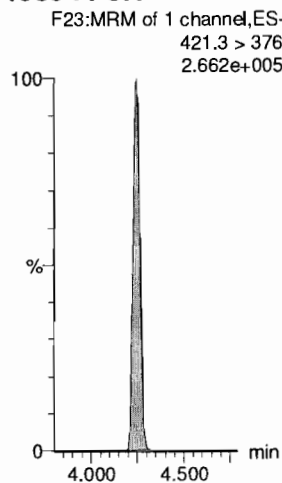
13C5-PFHxA



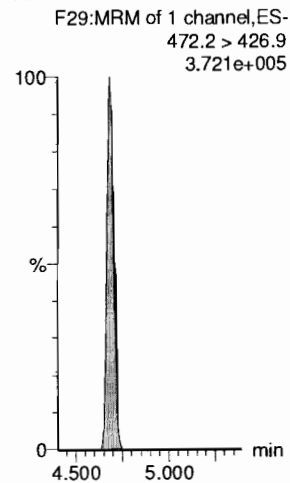
13C3-PFHxS



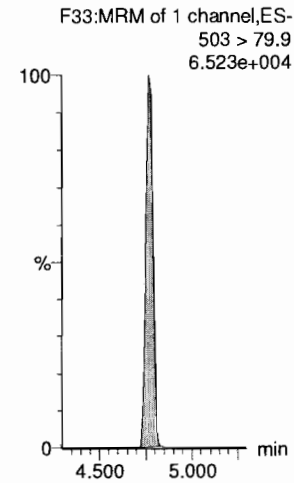
13C8-PFOA



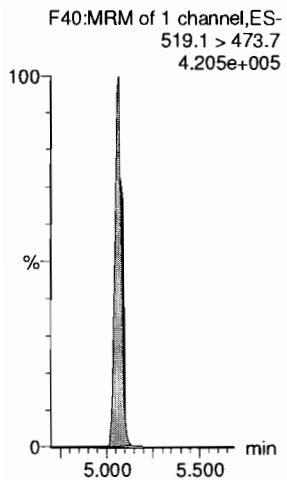
13C9-PFNA



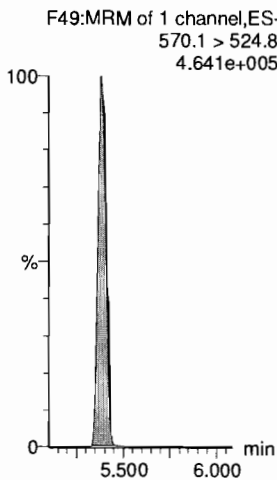
13C4-PFOS



13C6-PFDA



13C7-PFUdA



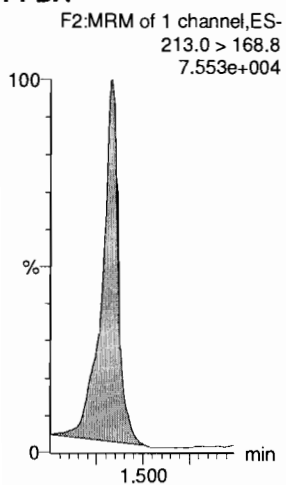
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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

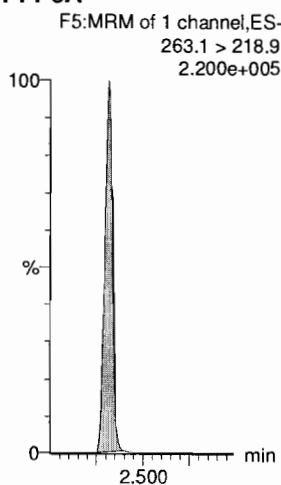
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Name: 180529M1_7, Date: 29-May-2018, Time: 18:47:55, ID: ST180529M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

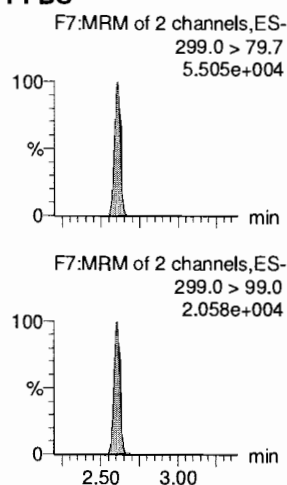
PFBA



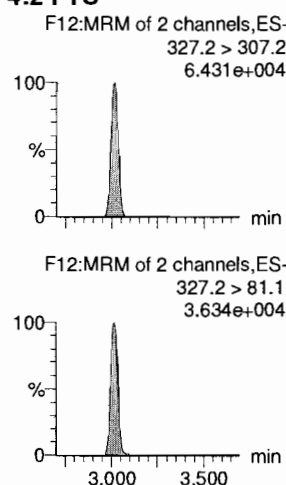
PFPeA



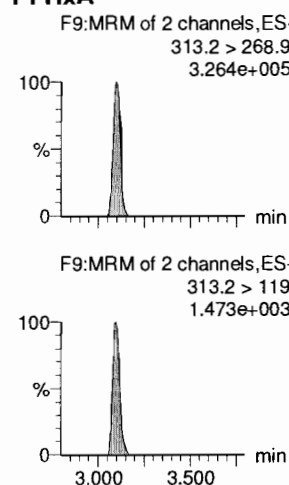
PFBS



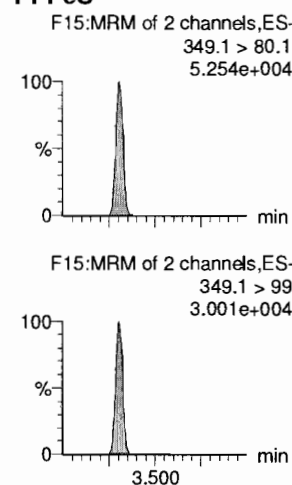
4:2 FTS



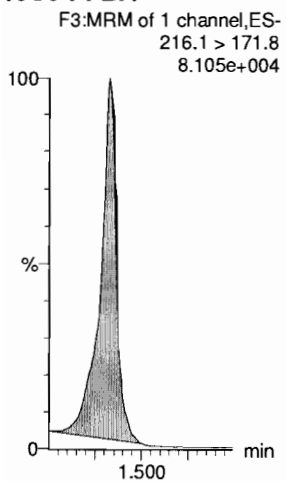
PFHxA



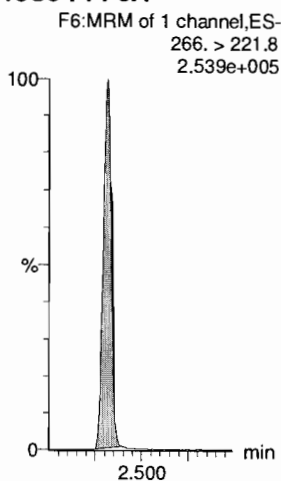
PFPeS



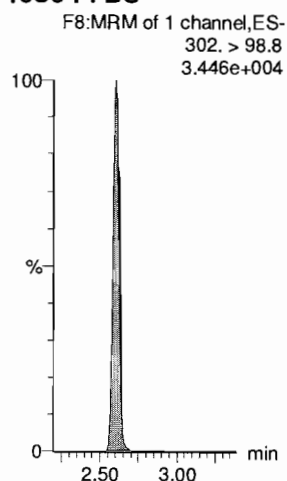
13C3-PFBA



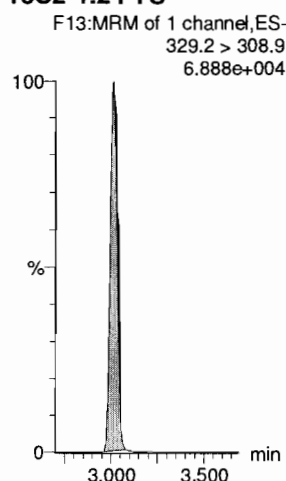
13C3-PFPeA



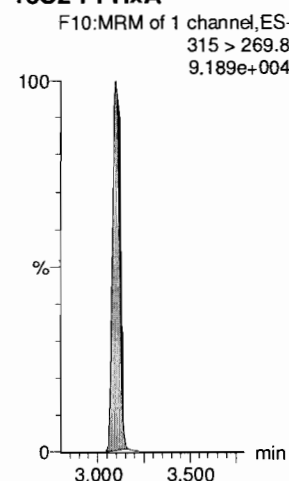
13C3-PFBS



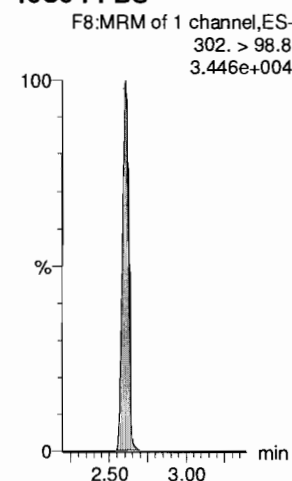
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



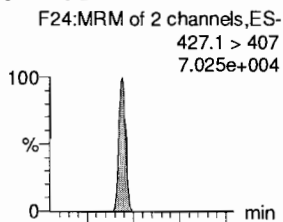
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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

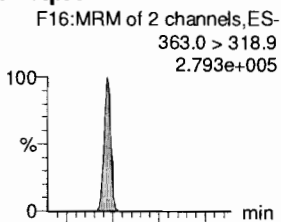
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Name: 180529M1_7, Date: 29-May-2018, Time: 18:47:55, ID: ST180529M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

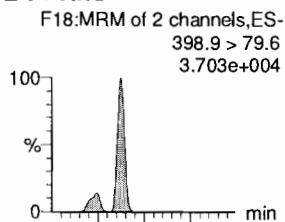
6:2 FTS



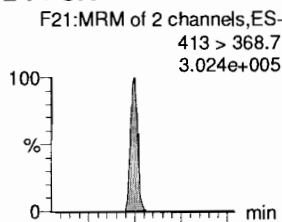
PFHpA



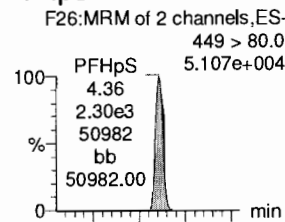
L-PFHxS



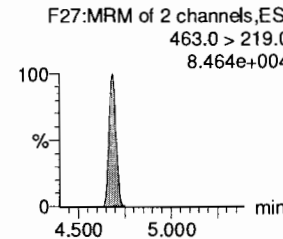
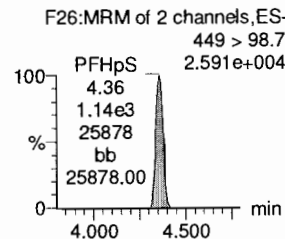
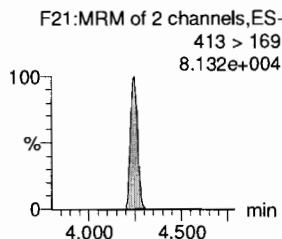
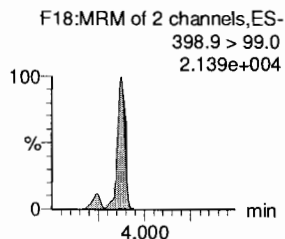
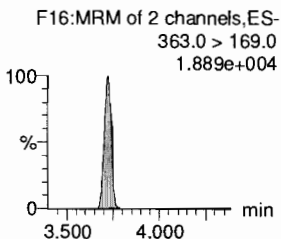
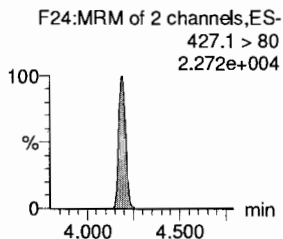
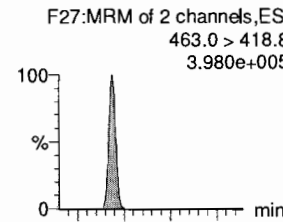
L-PFOA



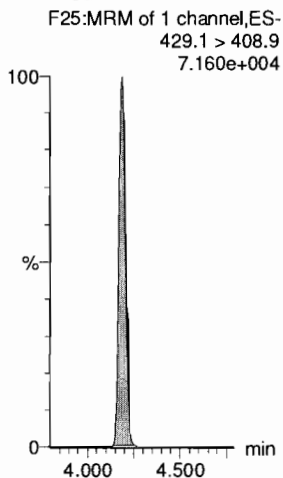
PFHpS



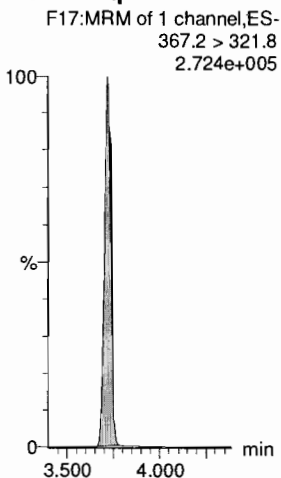
PFNA



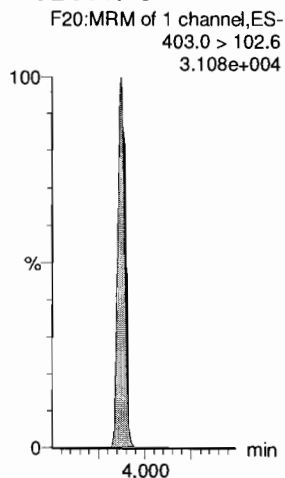
13C2-6:2 FTS



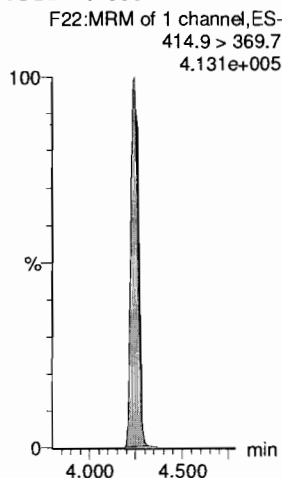
13C4-PFHpA



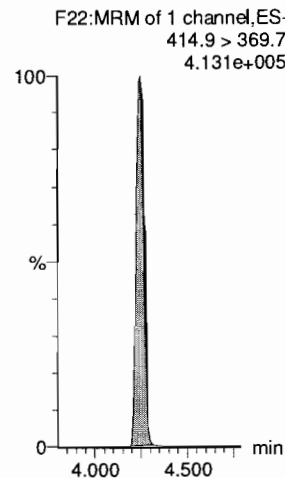
18O2-PFHxS



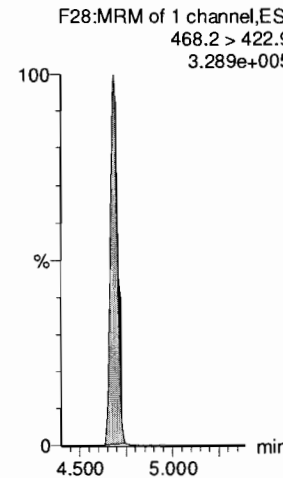
13C2-PFOA



13C2-PFOA



13C5-PFNA



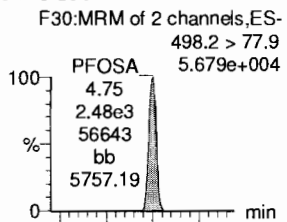
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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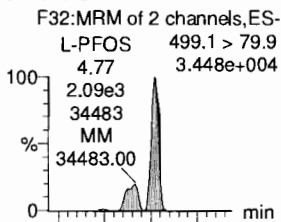
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_7, Date: 29-May-2018, Time: 18:47:55, ID: ST180529M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

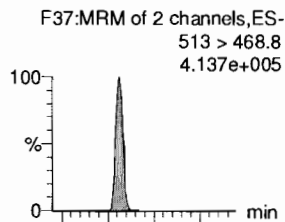
PFOSA



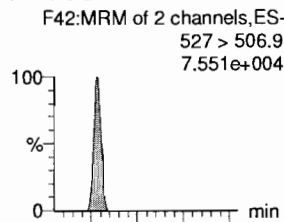
L-PFOS



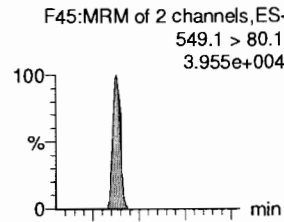
PFDA



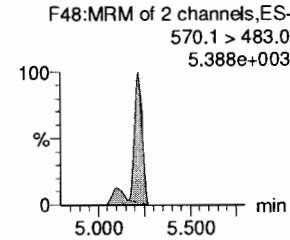
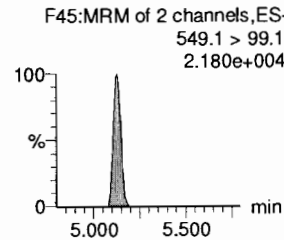
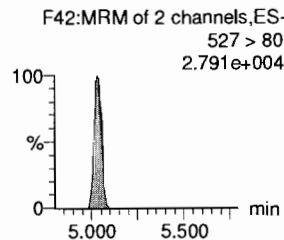
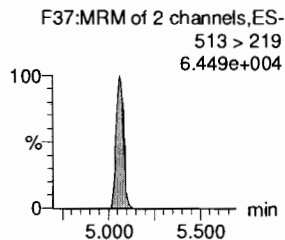
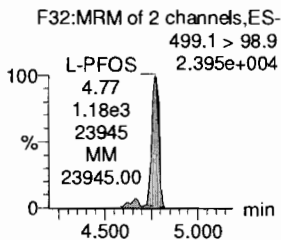
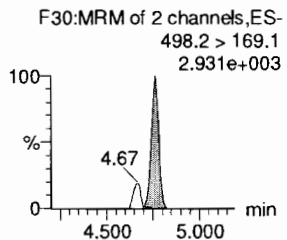
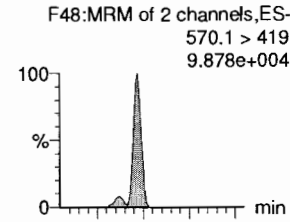
8:2 FTS



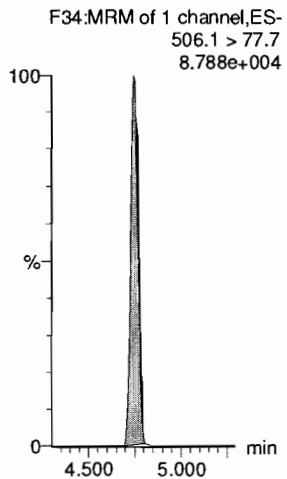
PFNS



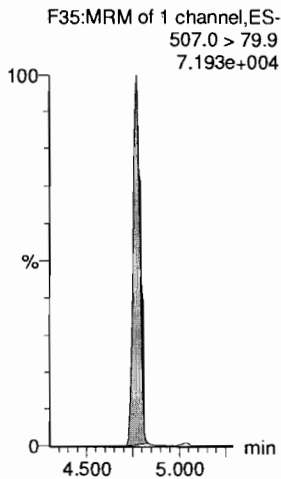
L-MeFOSAA



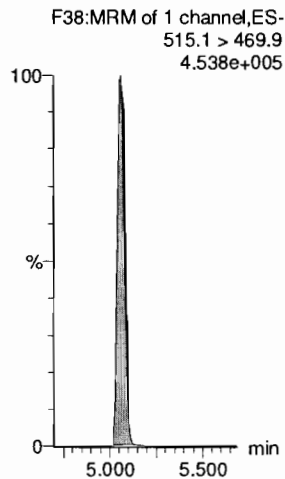
13C8-PFOSA



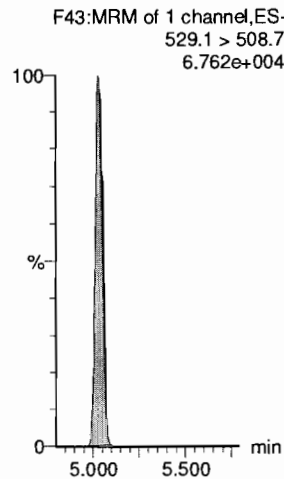
13C8-PFOS



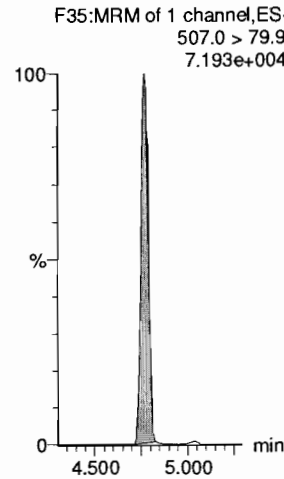
13C2-PFDA



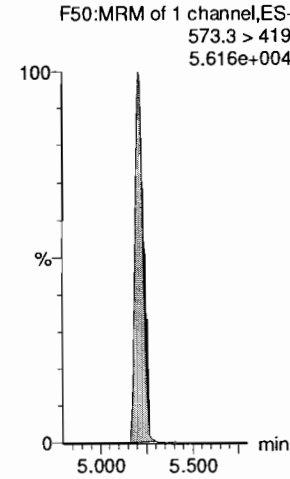
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



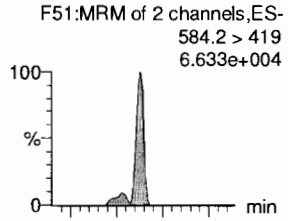
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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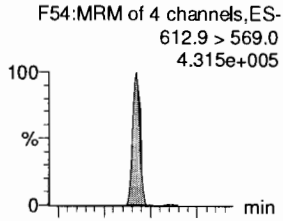
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_7, Date: 29-May-2018, Time: 18:47:55, ID: ST180529M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

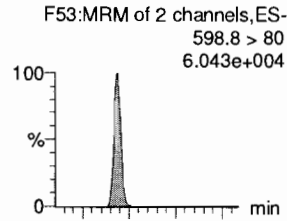
L-EtFOSAA



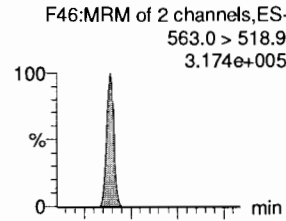
PFDoA



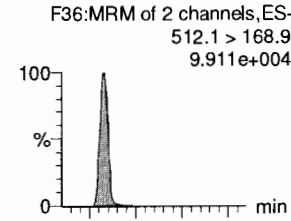
PFDS



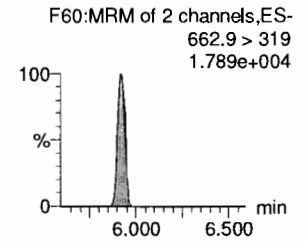
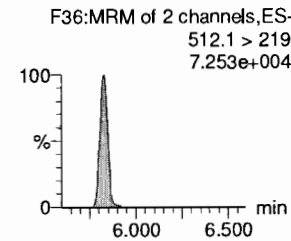
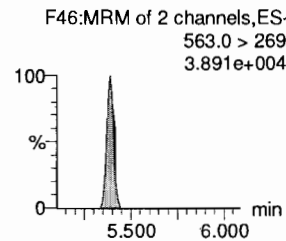
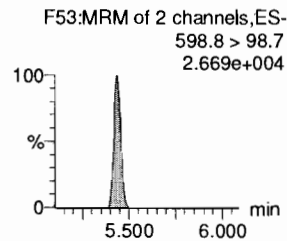
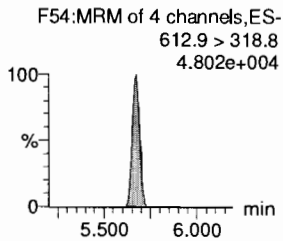
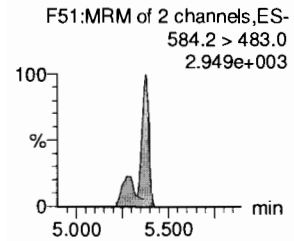
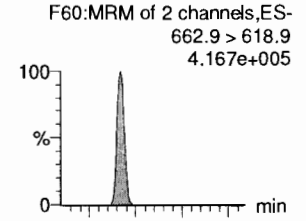
PFUdA



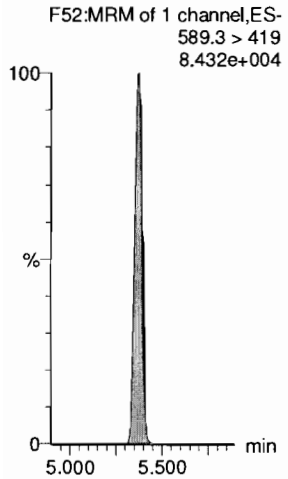
N-MeFOSA



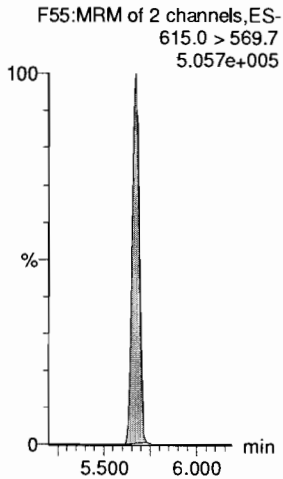
PFTrDA



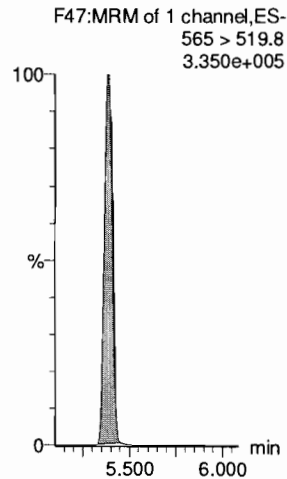
d5-N-EtFOSAA



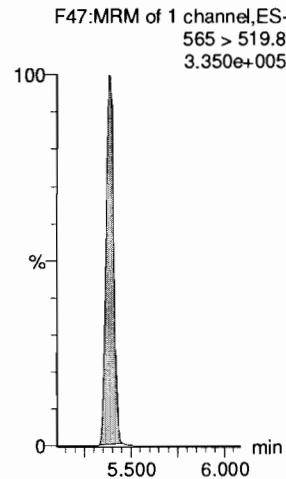
13C2-PFDoA



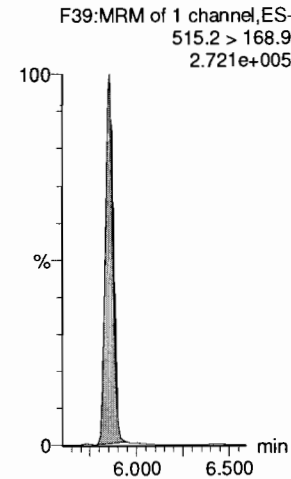
13C2-PFUdA



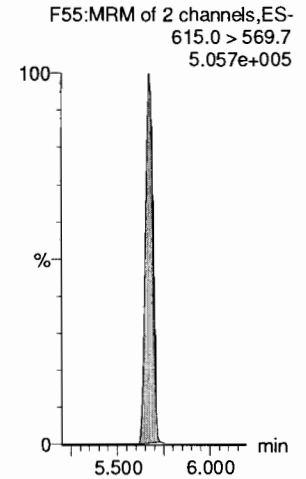
13C2-PFUdA



d3-N-MeFOSA



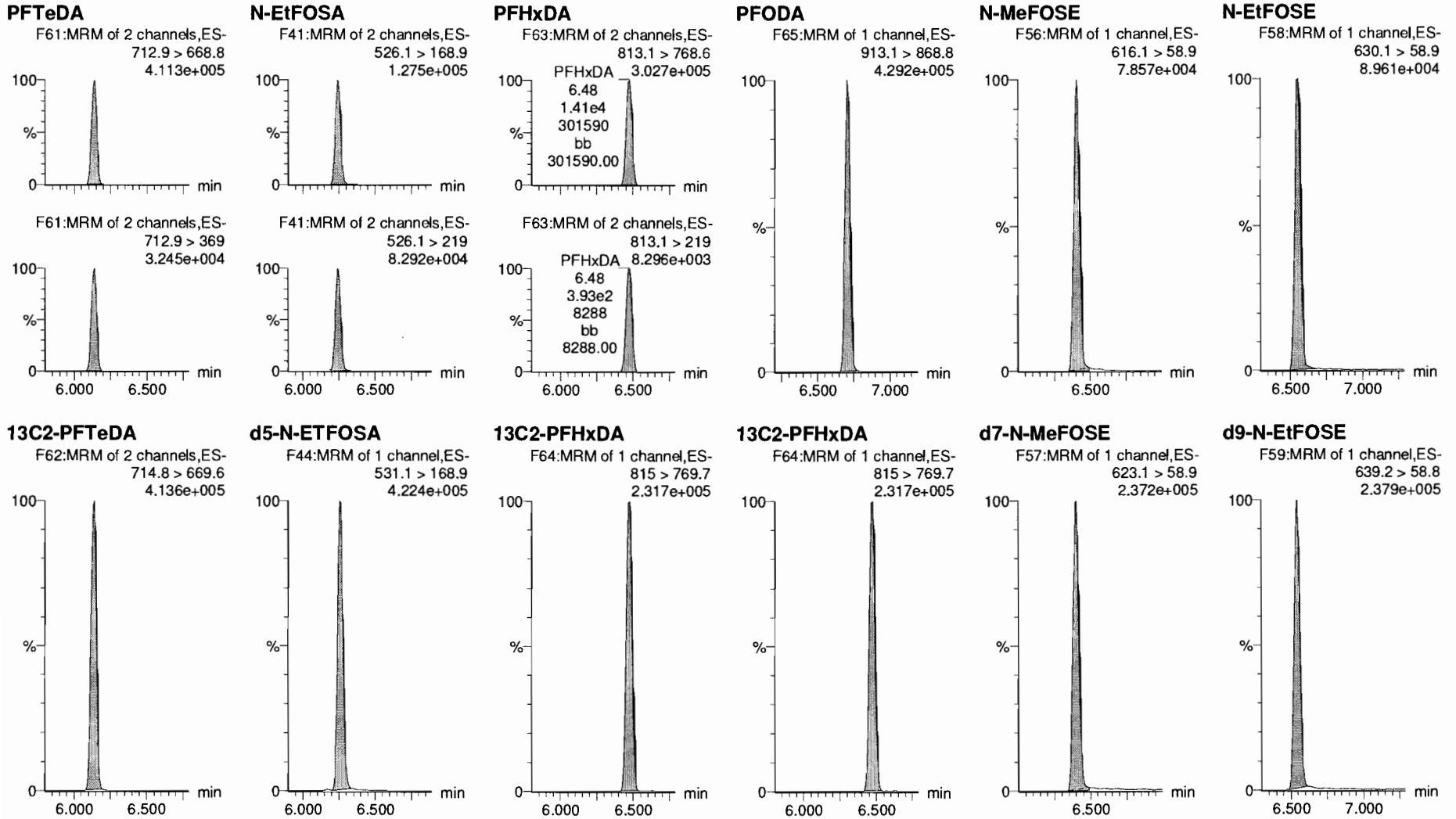
13C2-PFDoA



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time
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Name: 180529M1_7, Date: 29-May-2018, Time: 18:47:55, ID: ST180529M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207



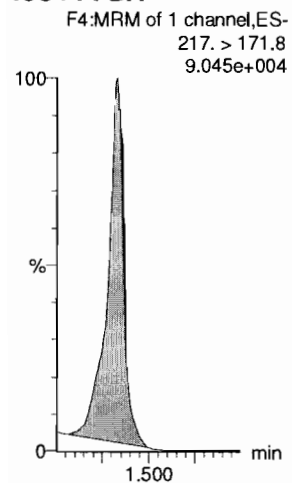
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

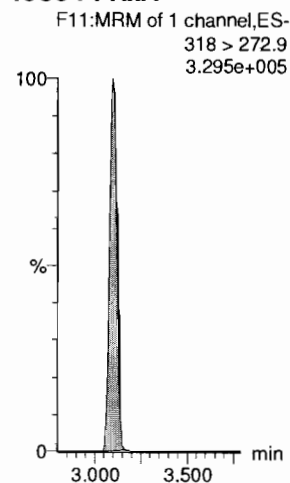
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_7, Date: 29-May-2018, Time: 18:47:55, ID: ST180529M1-6 PFC CS3 18E2207, Description: PFC CS3 18E2207

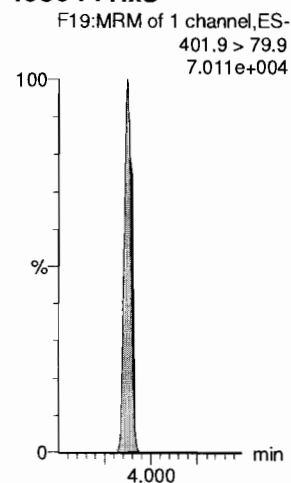
13C4-PFBA



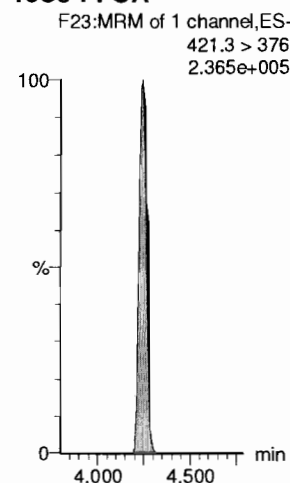
13C5-PFHxA



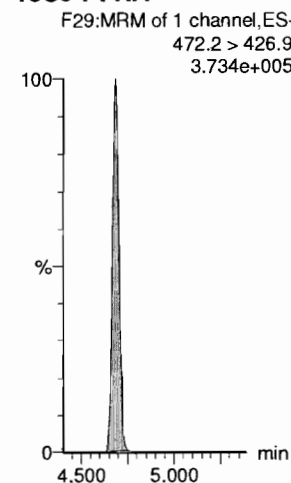
13C3-PFHxS



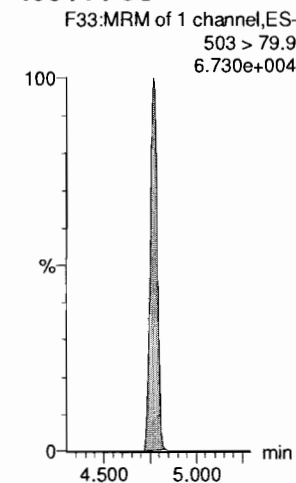
13C8-PFOA



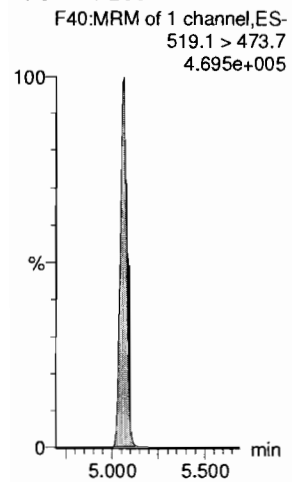
13C9-PFNA



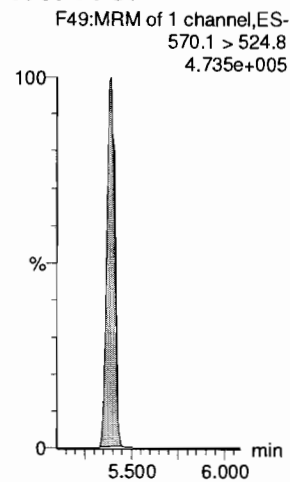
13C4-PFOS



13C6-PFDA



13C7-PFudA



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

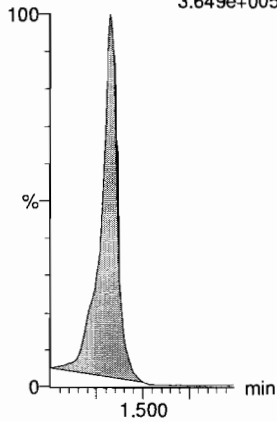
Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_8, Date: 29-May-2018, Time: 18:58:25, ID: ST180529M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208

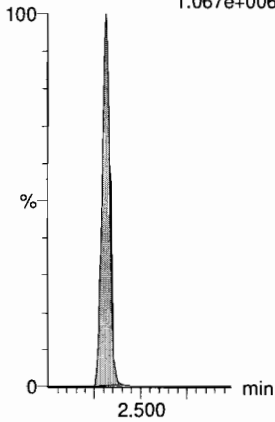
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
3.649e+005



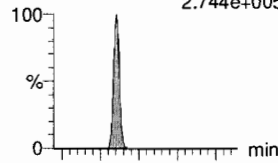
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
1.067e+006

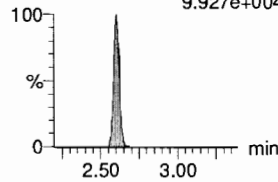


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
2.744e+005

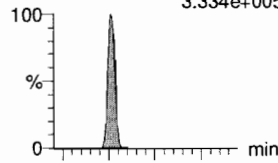


F7:MRM of 2 channels,ES-
299.0 > 99.0
9.927e+004

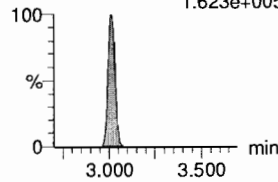


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
3.334e+005

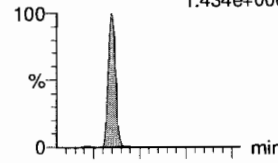


F12:MRM of 2 channels,ES-
327.2 > 81.1
1.623e+005

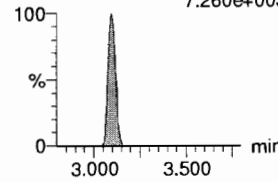


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
1.434e+006

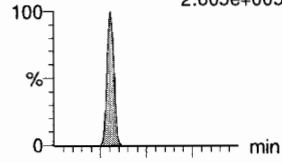


F9:MRM of 2 channels,ES-
313.2 > 119
7.260e+003

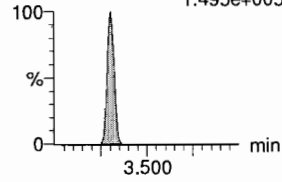


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
2.605e+005

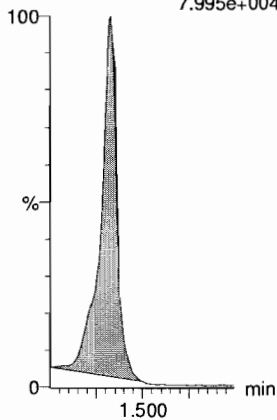


F15:MRM of 2 channels,ES-
349.1 > 99
1.495e+005



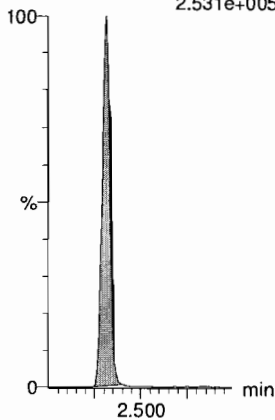
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
7.995e+004



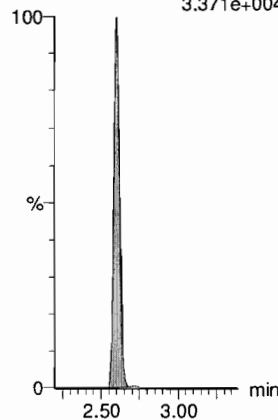
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
2.531e+005



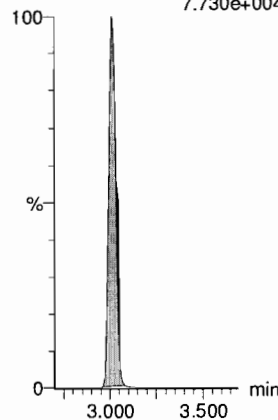
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
3.371e+004



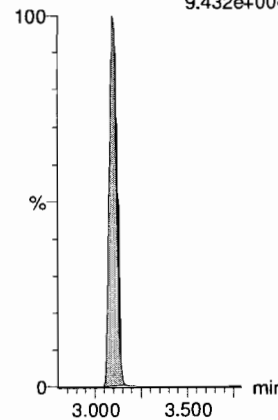
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
7.730e+004



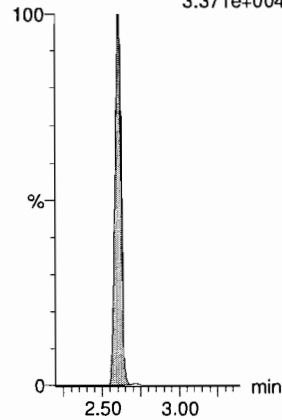
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
9.432e+004



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
3.371e+004



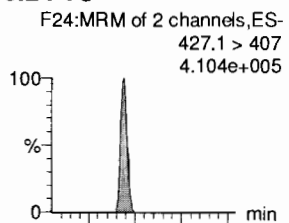
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

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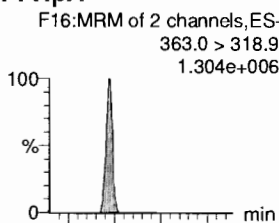
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Name: 180529M1_8, Date: 29-May-2018, Time: 18:58:25, ID: ST180529M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208

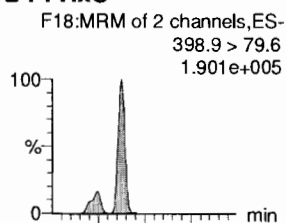
6:2 FTS



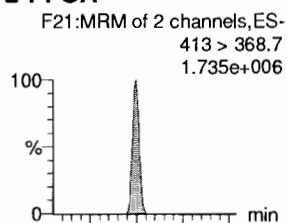
PFHpA



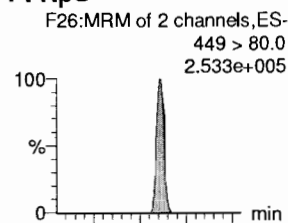
L-PFHxS



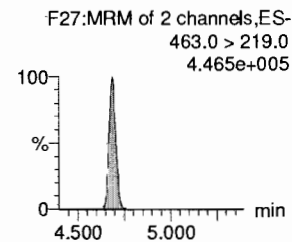
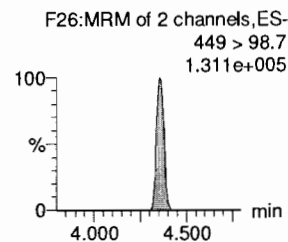
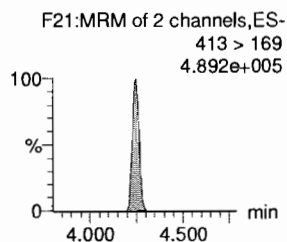
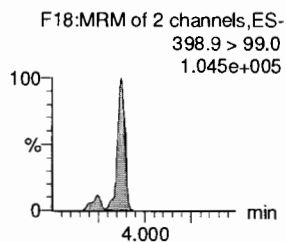
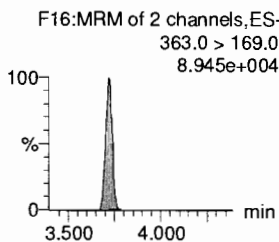
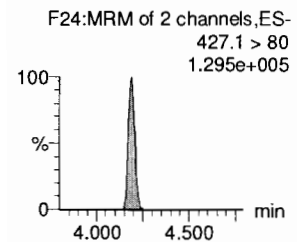
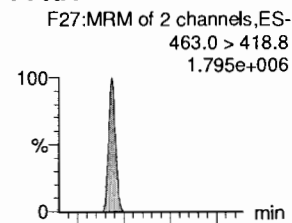
L-PFOA



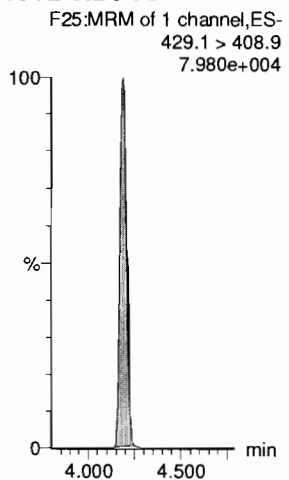
PFHpS



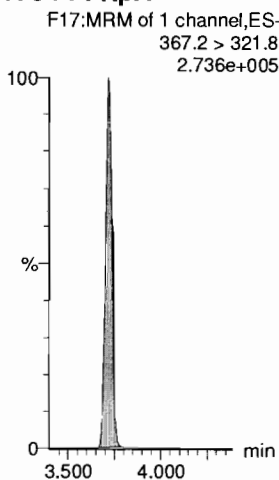
PFNA



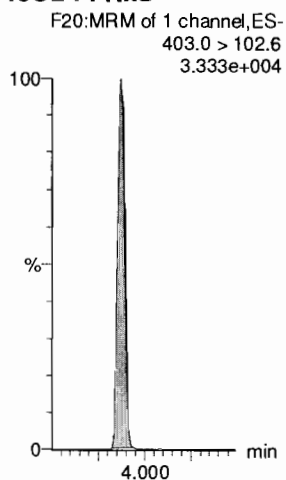
13C2-6:2 FTS



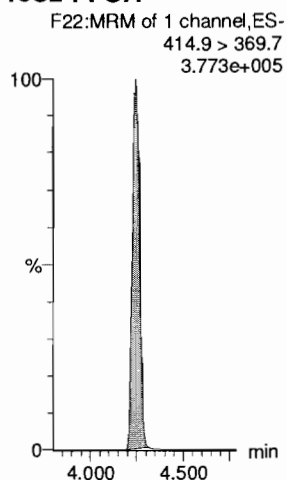
13C4-PFHpA



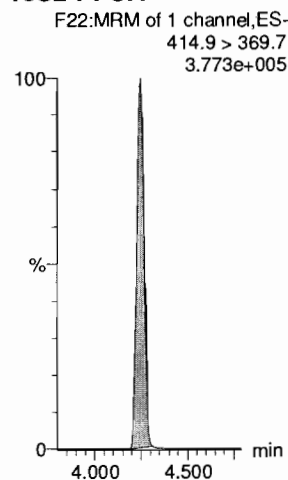
18O2-PFHxS



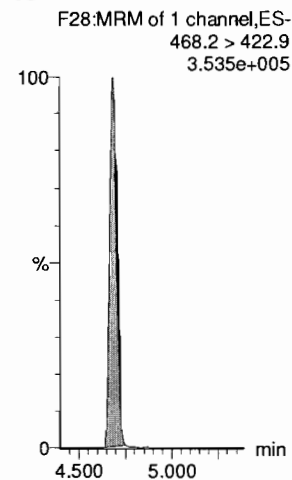
13C2-PFOA



13C2-PFOA



13C5-PFNA



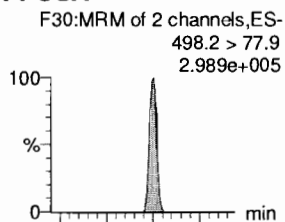
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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

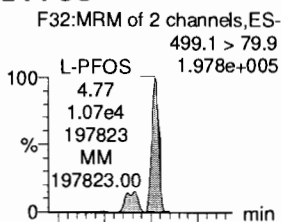
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_8, Date: 29-May-2018, Time: 18:58:25, ID: ST180529M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208

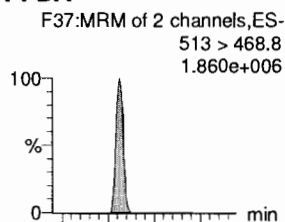
PFOSA



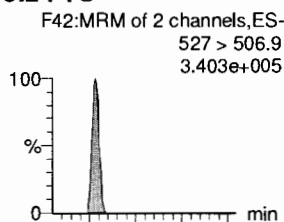
L-PFOS



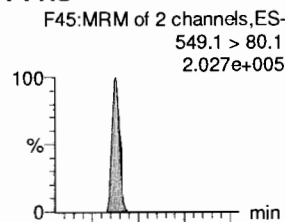
PFDA



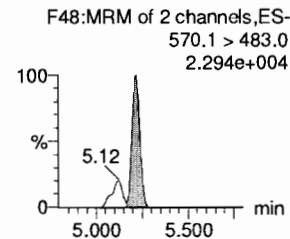
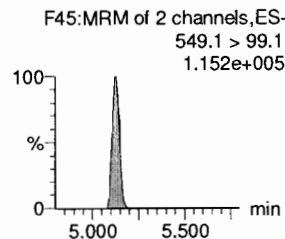
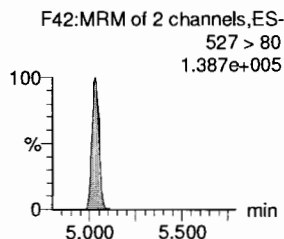
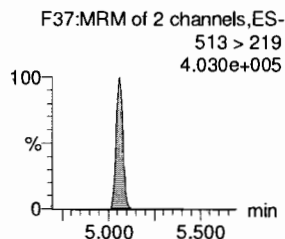
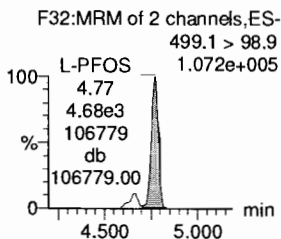
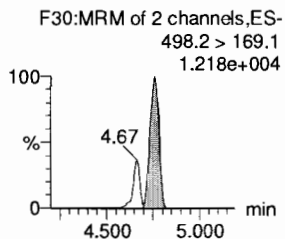
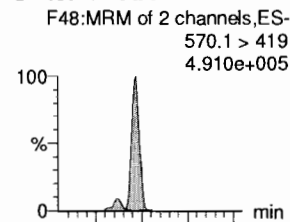
8:2 FTS



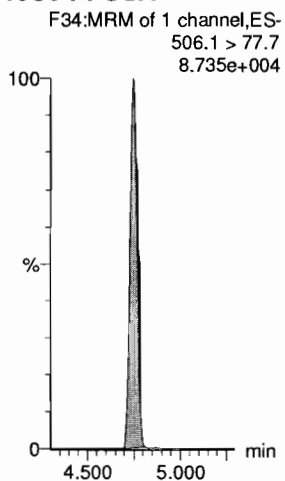
PFNS



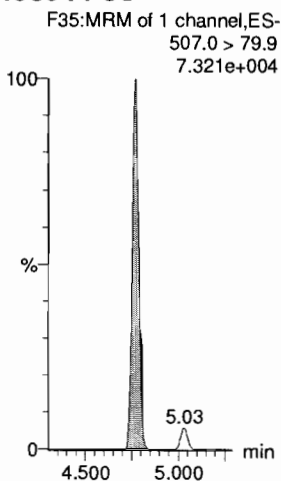
L-MeFOSAA



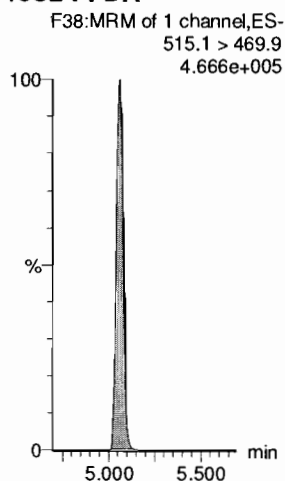
13C8-PFOSA



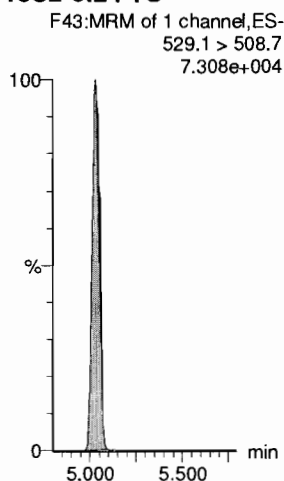
13C8-PFOS



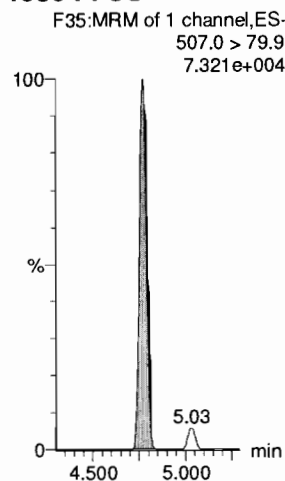
13C2-PFDA



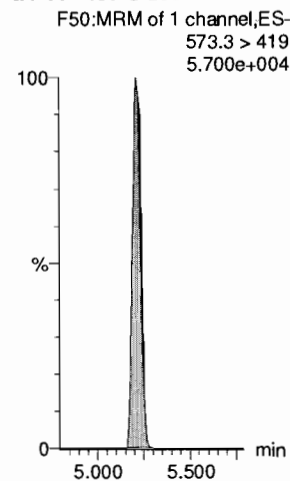
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

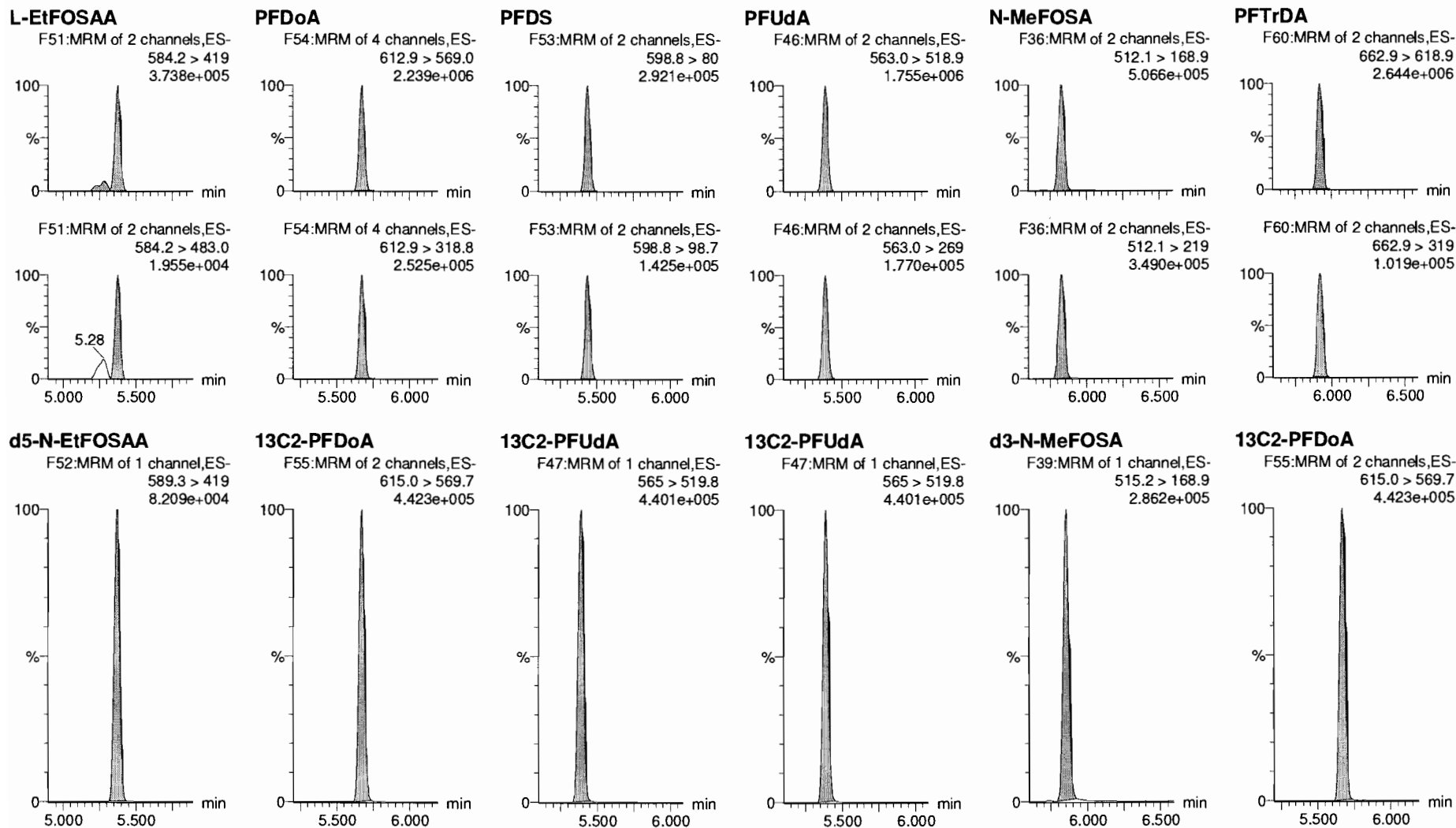


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_8, Date: 29-May-2018, Time: 18:58:25, ID: ST180529M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208

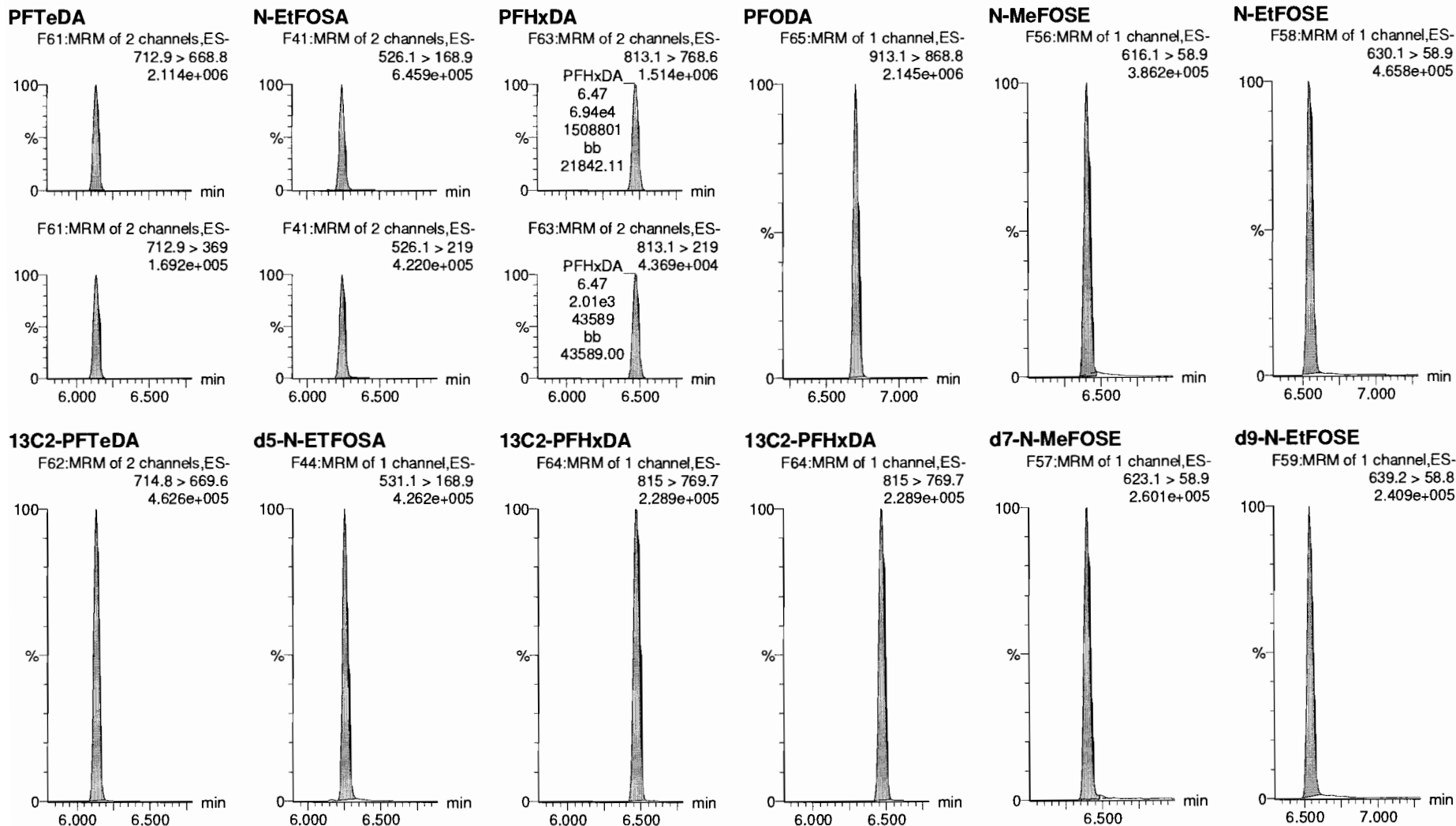


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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_8, Date: 29-May-2018, Time: 18:58:25, ID: ST180529M1-7 PFC CS4 18E2208, Description: PFC CS4 18E2208



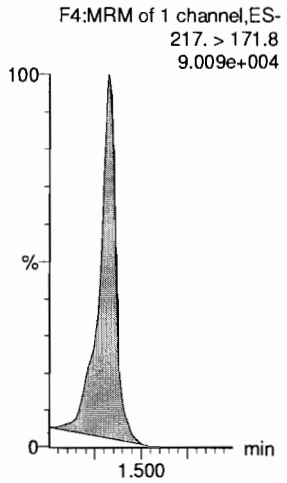
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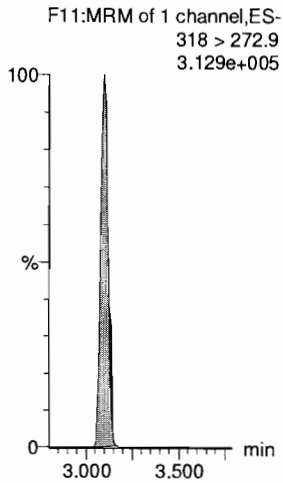
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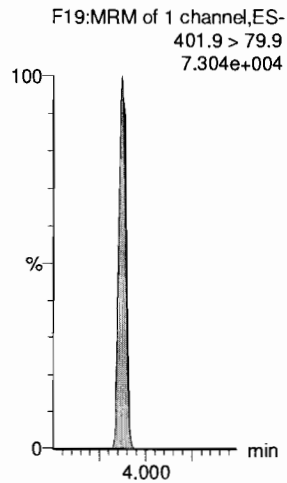
13C4-PFBA



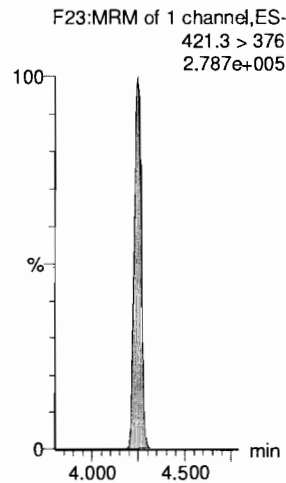
13C5-PFHxA



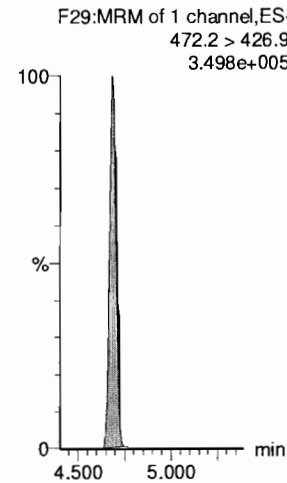
13C3-PFHxS



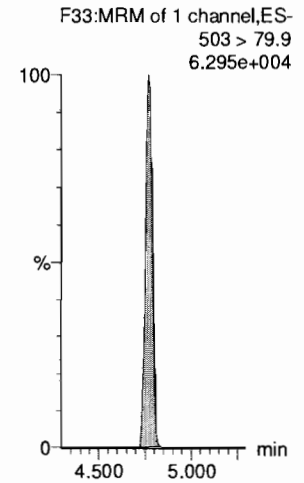
13C8-PFOA



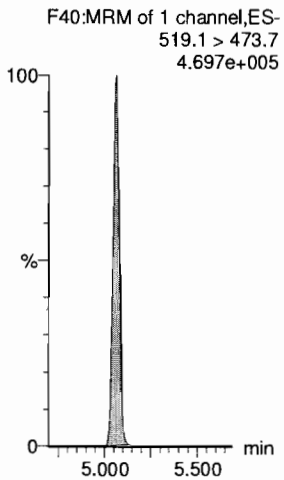
13C9-PFNA



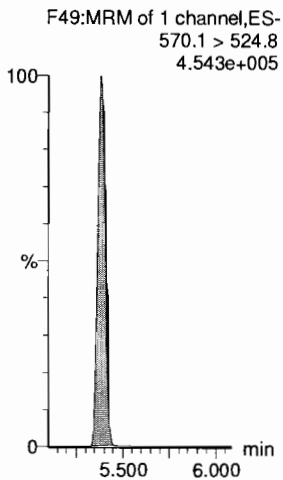
13C4-PFOS



13C6-PFDA



13C7-PFuDA



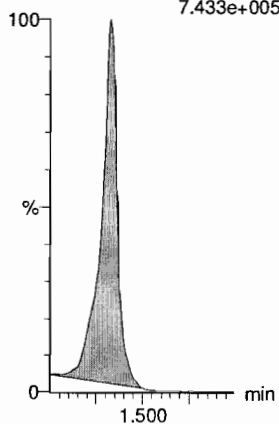
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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_9, Date: 29-May-2018, Time: 19:08:47, ID: ST180529M1-8 PFC CS5 18E2209, Description: PFC CS5 18E2209

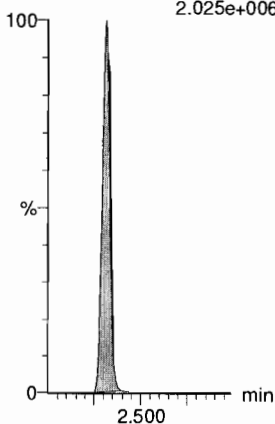
PFBA

F2:MRM of 1 channel,ES-
213.0 > 168.8
7.433e+005



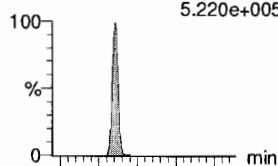
PFPeA

F5:MRM of 1 channel,ES-
263.1 > 218.9
2.025e+006

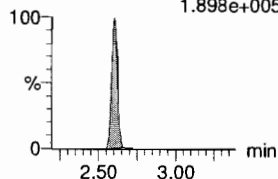


PFBS

F7:MRM of 2 channels,ES-
299.0 > 79.7
5.220e+005

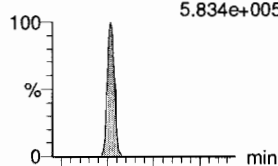


F7:MRM of 2 channels,ES-
299.0 > 99.0
1.898e+005

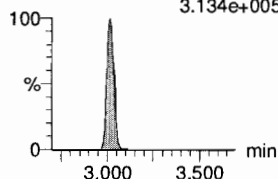


4:2 FTS

F12:MRM of 2 channels,ES-
327.2 > 307.2
5.834e+005

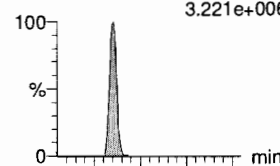


F12:MRM of 2 channels,ES-
327.2 > 81.1
3.134e+005

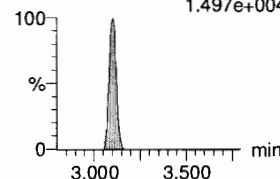


PFHxA

F9:MRM of 2 channels,ES-
313.2 > 268.9
3.221e+006

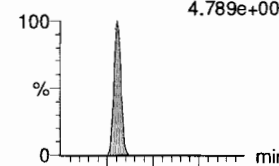


F9:MRM of 2 channels,ES-
313.2 > 119
1.497e+004

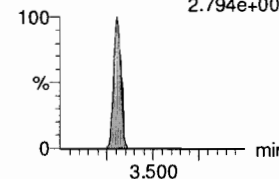


PFPeS

F15:MRM of 2 channels,ES-
349.1 > 80.1
4.789e+005

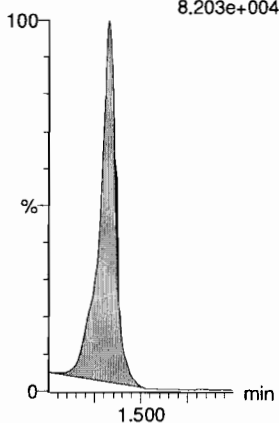


F15:MRM of 2 channels,ES-
349.1 > 99
2.794e+005



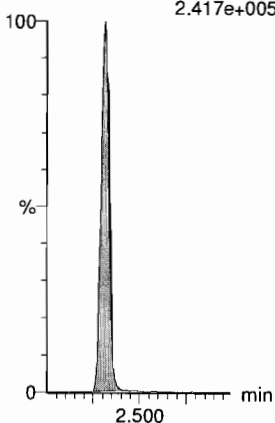
13C3-PFBA

F3:MRM of 1 channel,ES-
216.1 > 171.8
8.203e+004



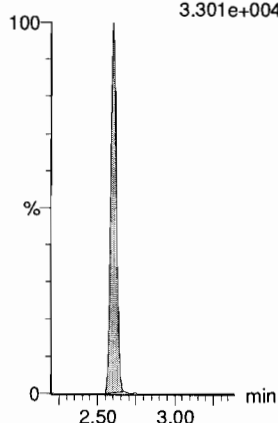
13C3-PFPeA

F6:MRM of 1 channel,ES-
266. > 221.8
2.417e+005



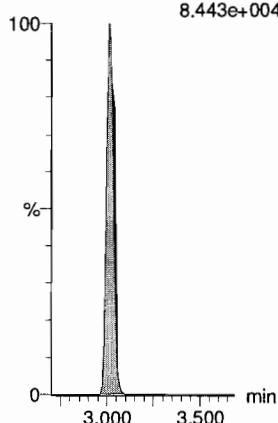
13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
3.301e+004



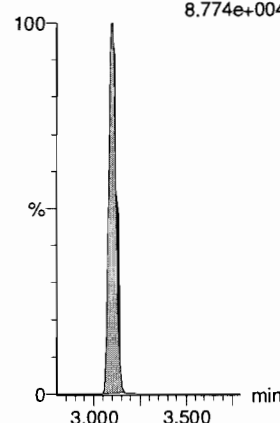
13C2-4:2 FTS

F13:MRM of 1 channel,ES-
329.2 > 308.9
8.443e+004



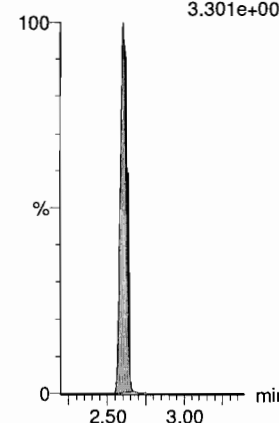
13C2-PFHxA

F10:MRM of 1 channel,ES-
315 > 269.8
8.774e+004



13C3-PFBS

F8:MRM of 1 channel,ES-
302. > 98.8
3.301e+004



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

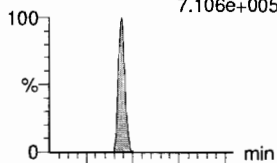
Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

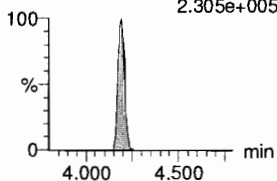
Name: 180529M1_9, Date: 29-May-2018, Time: 19:08:47, ID: ST180529M1-8 PFC CS5 18E2209, Description: PFC CS5 18E2209

6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
7.106e+005

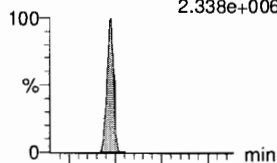


F24:MRM of 2 channels,ES-
427.1 > 80
2.305e+005

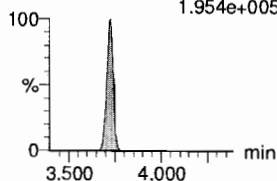


PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
2.338e+006

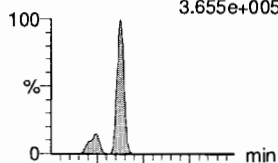


F16:MRM of 2 channels,ES-
363.0 > 169.0
1.954e+005

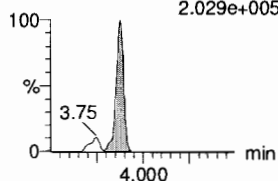


L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
3.655e+005

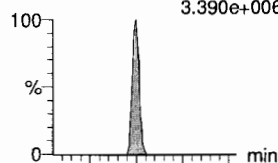


F18:MRM of 2 channels,ES-
398.9 > 99.0
2.029e+005

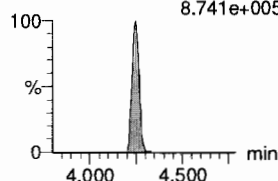


L-PFOA

F21:MRM of 2 channels,ES-
413 > 368.7
3.390e+006

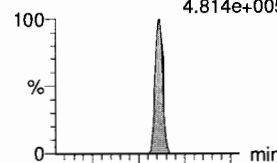


F21:MRM of 2 channels,ES-
413 > 169
8.741e+005

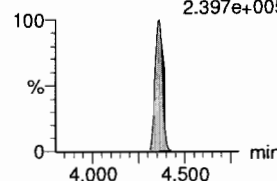


PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
4.814e+005

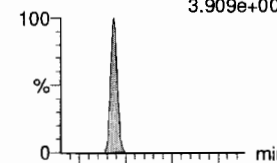


F26:MRM of 2 channels,ES-
449 > 98.7
2.397e+005

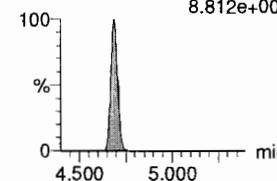


PFNA

F27:MRM of 2 channels,ES-
463.0 > 418.8
3.909e+006

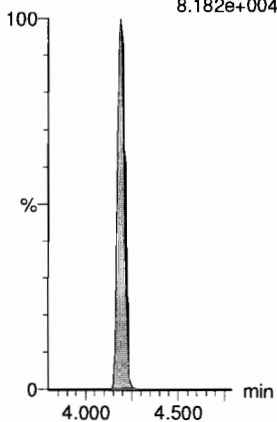


F27:MRM of 2 channels,ES-
463.0 > 219.0
8.812e+005



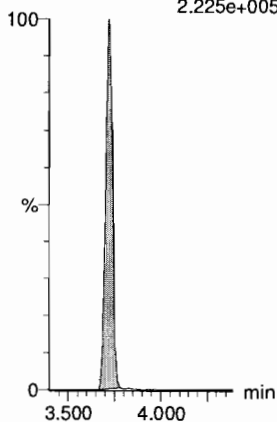
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
8.182e+004



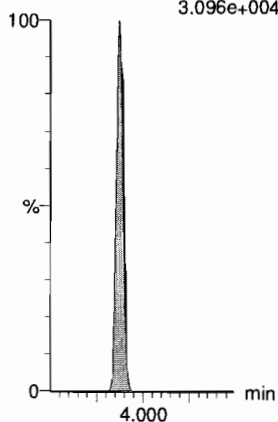
13C4-PFHpa

F17:MRM of 1 channel,ES-
367.2 > 321.8
2.225e+005



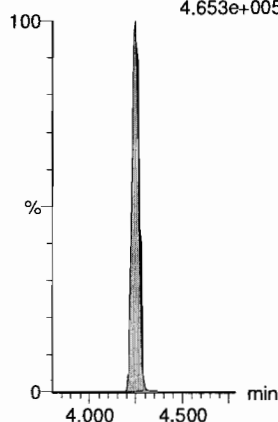
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
3.096e+004



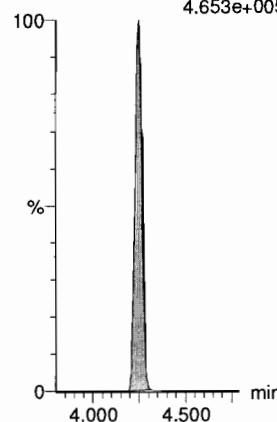
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
4.653e+005



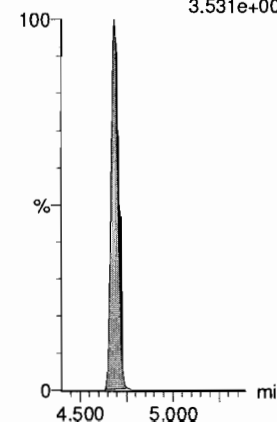
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
4.653e+005



13C5-PFNA

F28:MRM of 1 channel,ES-
468.2 > 422.9
3.531e+005



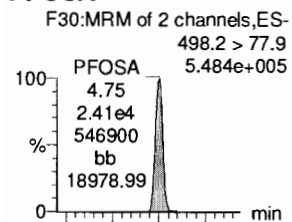
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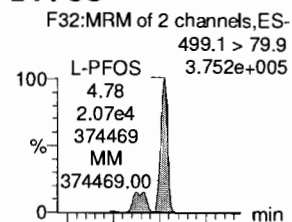
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_9, Date: 29-May-2018, Time: 19:08:47, ID: ST180529M1-8 PFC CS5 18E2209, Description: PFC CS5 18E2209

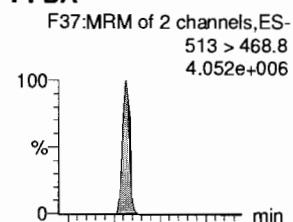
PFOSA



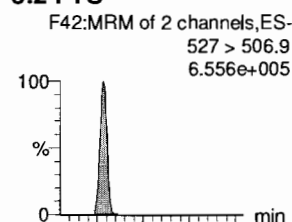
L-PFOS



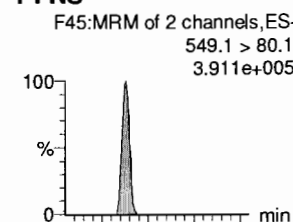
PFDA



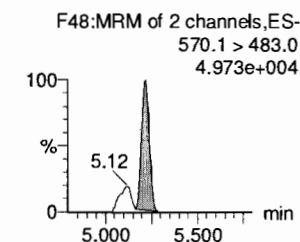
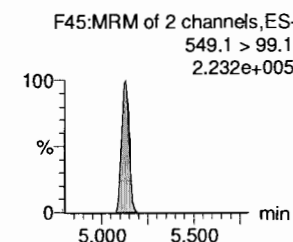
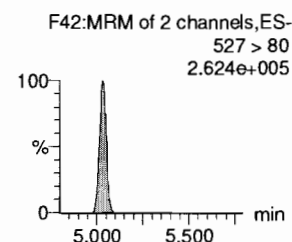
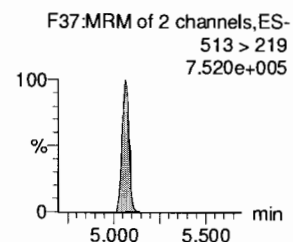
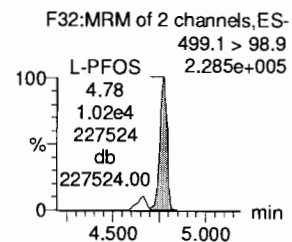
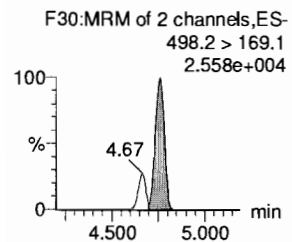
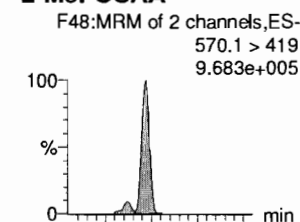
8:2 FTS



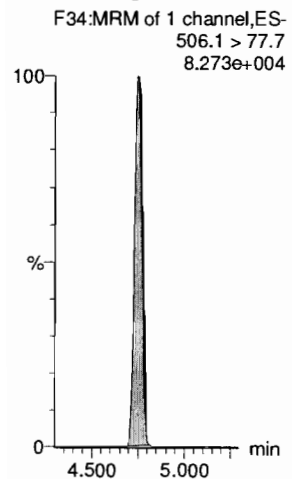
PFNS



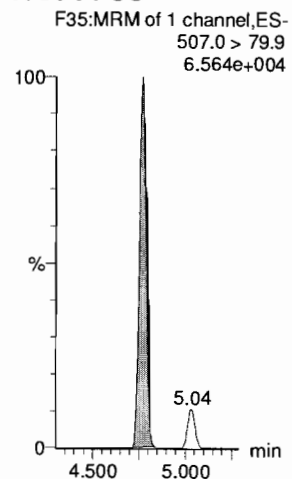
L-MeFOSAA



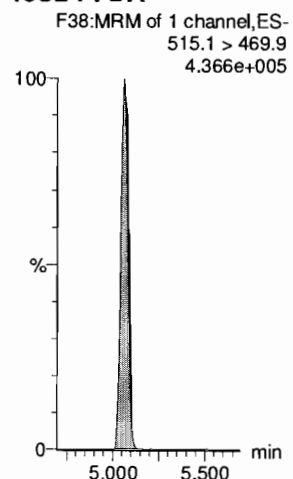
13C8-PFOSA



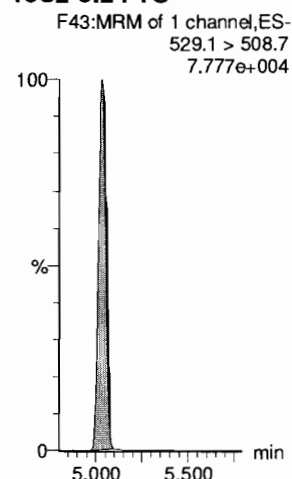
13C8-PFOS



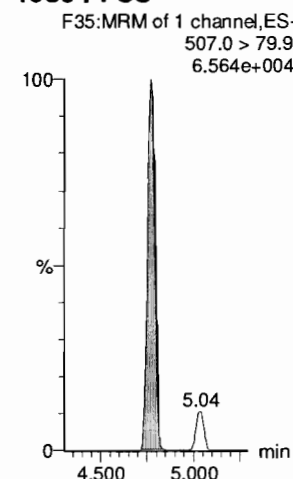
13C2-PFDA



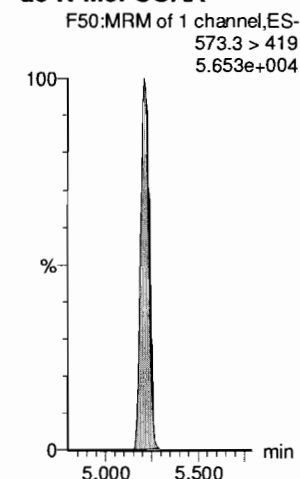
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

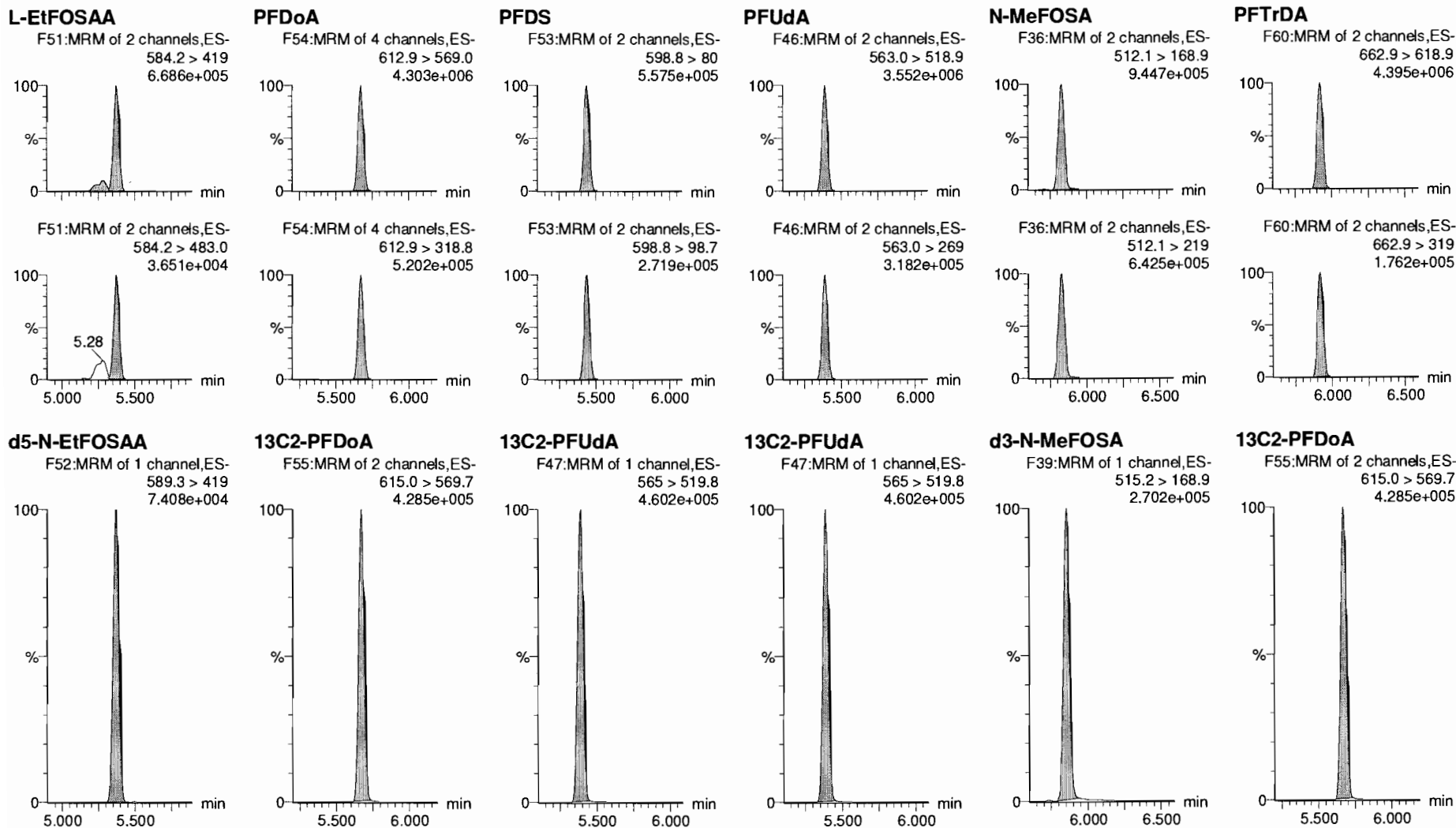


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_9, Date: 29-May-2018, Time: 19:08:47, ID: ST180529M1-8 PFC CS5 18E2209, Description: PFC CS5 18E2209

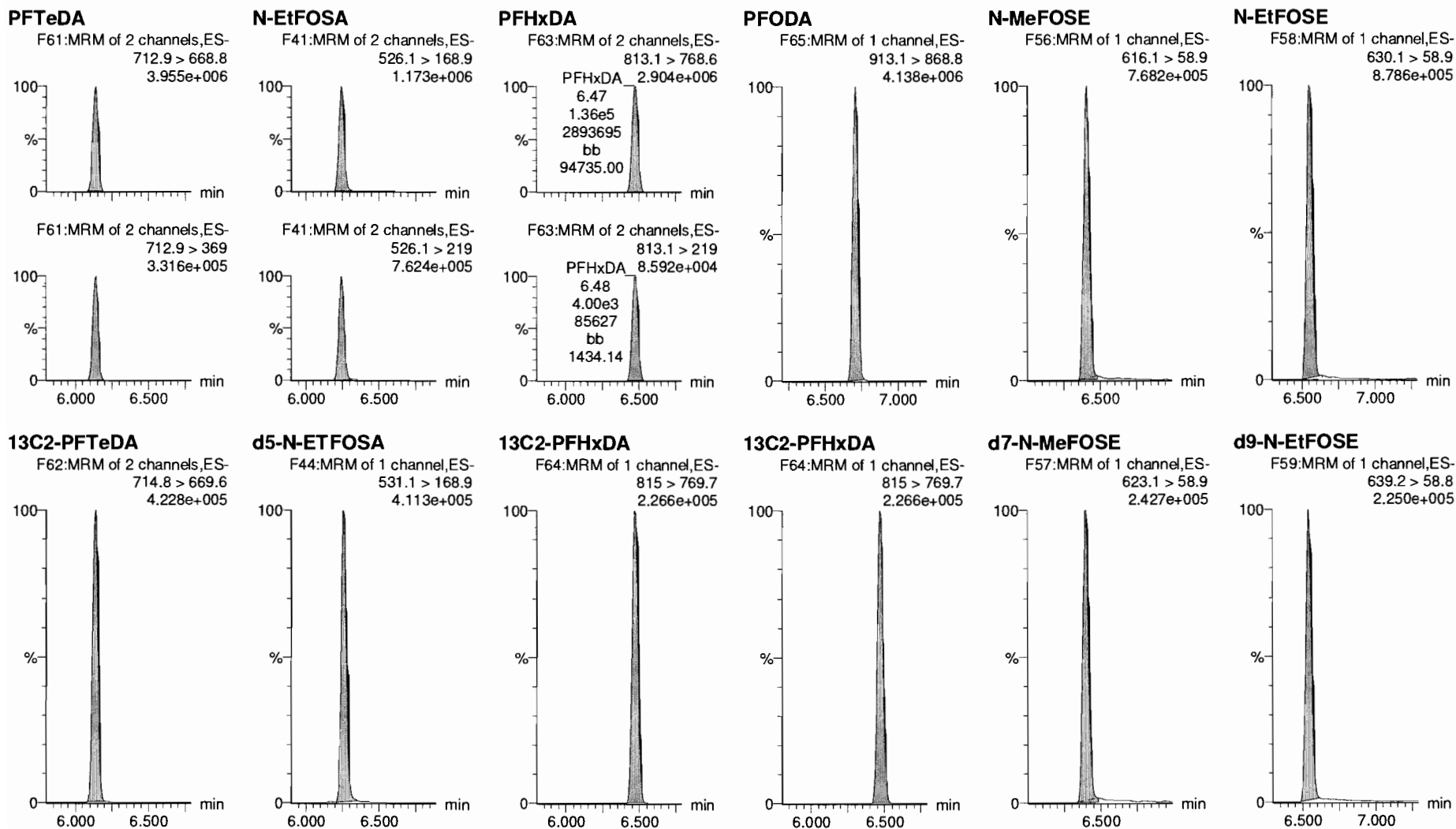


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_9, Date: 29-May-2018, Time: 19:08:47, ID: ST180529M1-8 PFC CS5 18E2209, Description: PFC CS5 18E2209

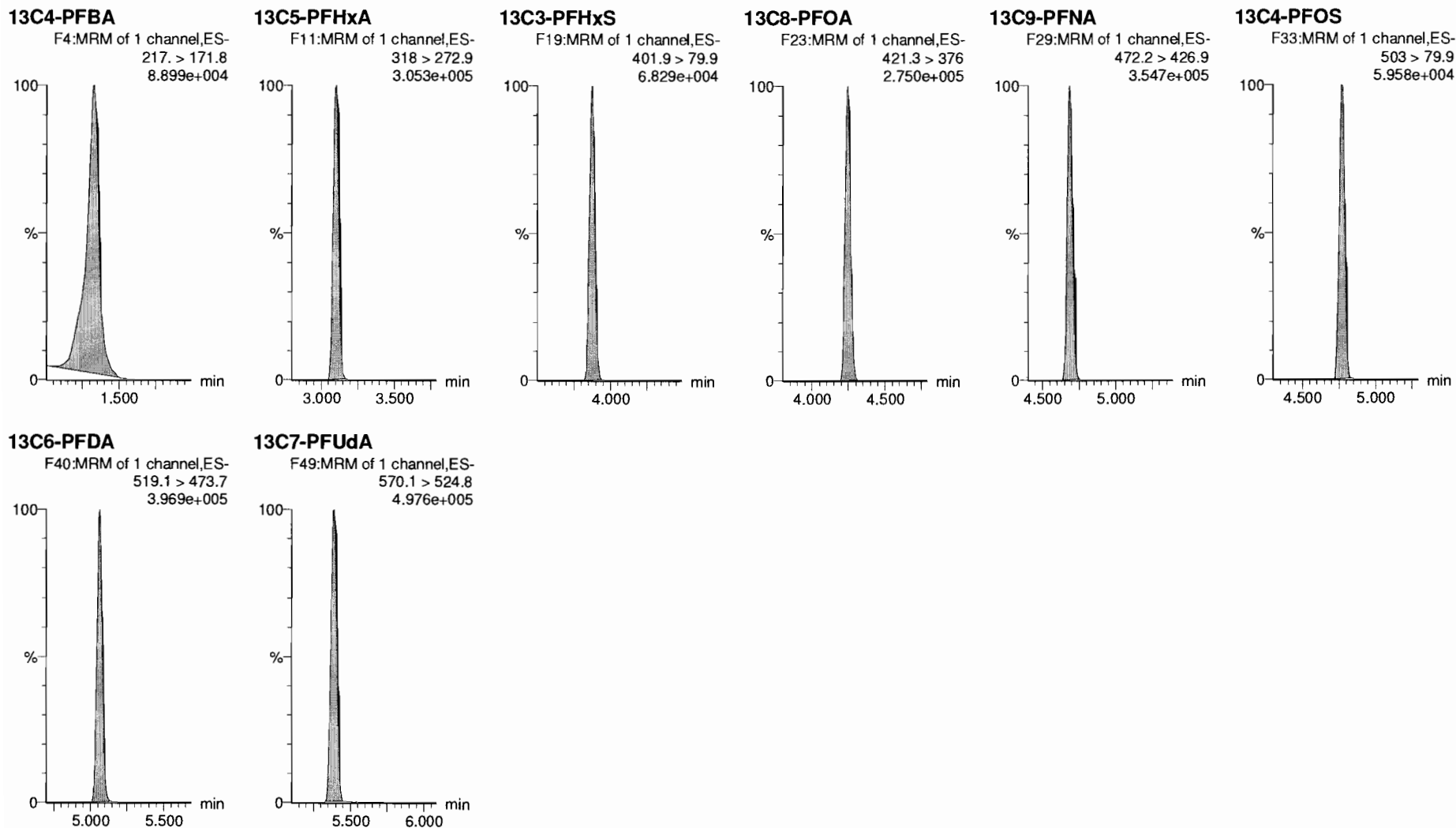


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_9, Date: 29-May-2018, Time: 19:08:47, ID: ST180529M1-8 PFC CS5 18E2209, Description: PFC CS5 18E2209

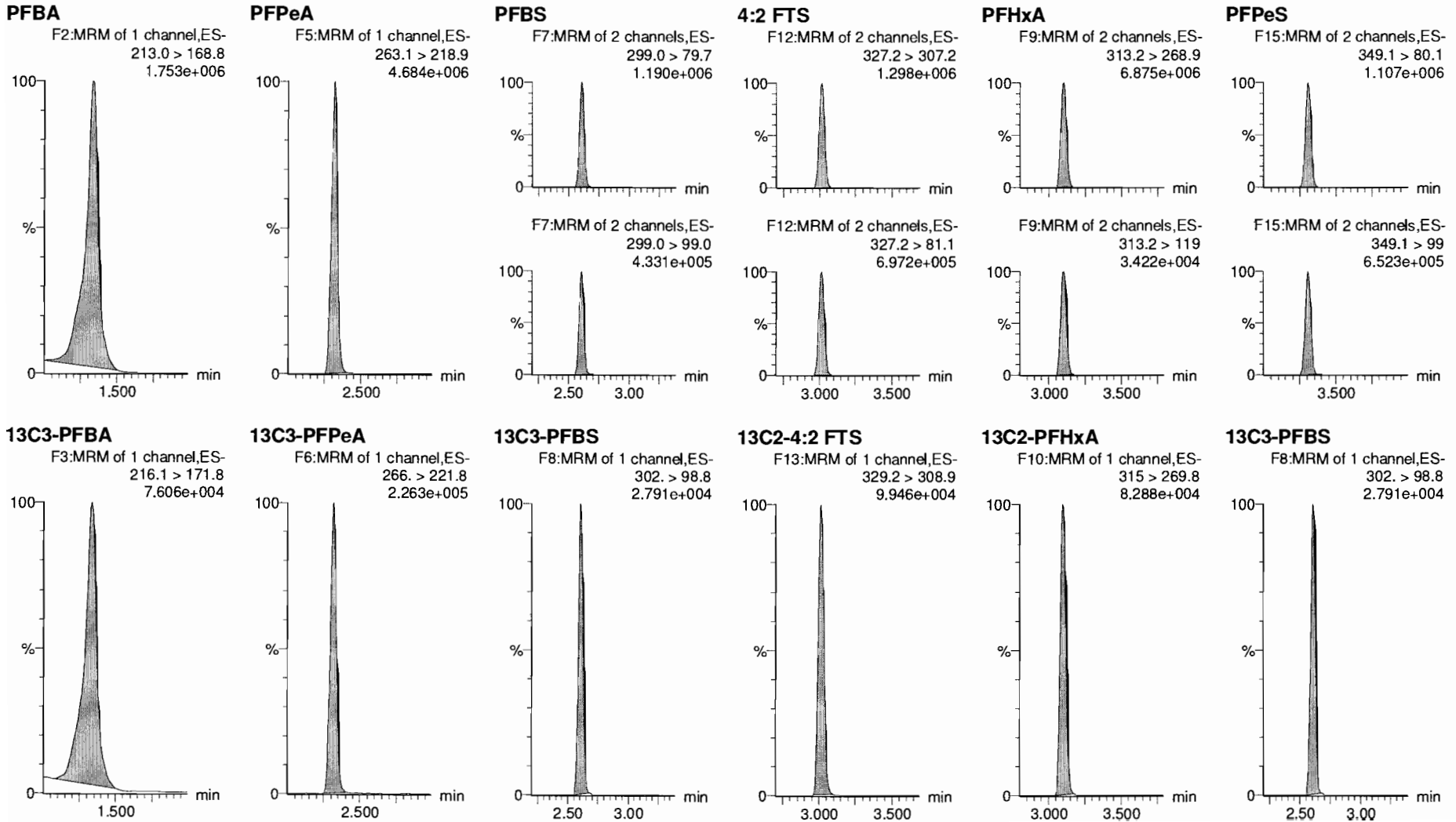


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_10, Date: 29-May-2018, Time: 19:19:17, ID: ST180529M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210

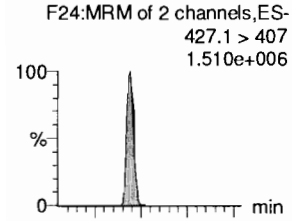


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

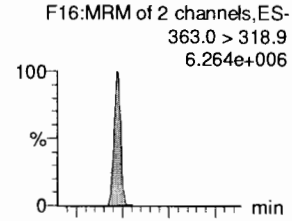
Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_10, Date: 29-May-2018, Time: 19:19:17, ID: ST180529M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210

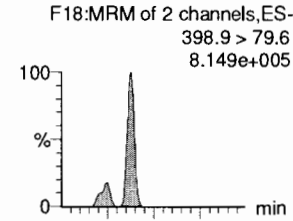
6:2 FTS



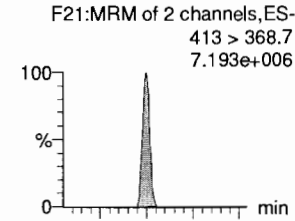
PFHpA



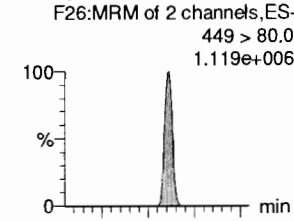
L-PFHxS



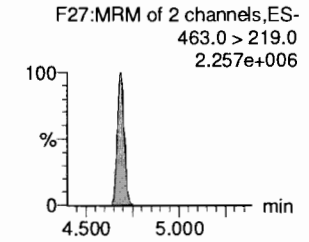
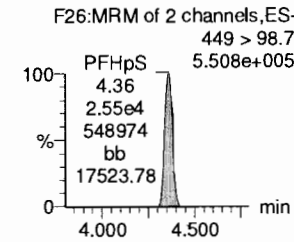
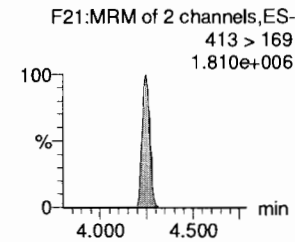
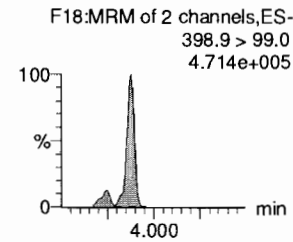
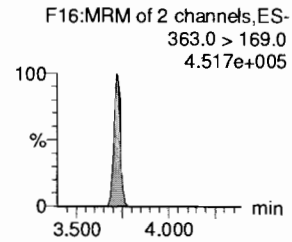
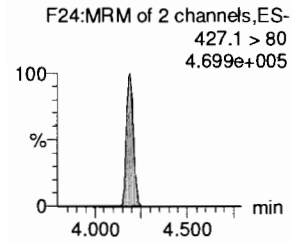
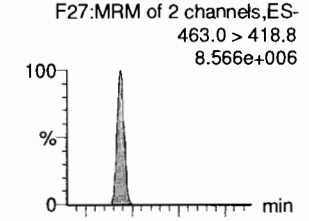
L-PFOA



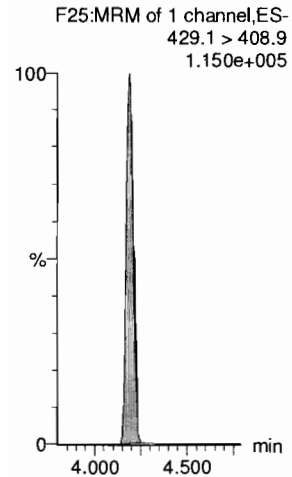
PFHpS



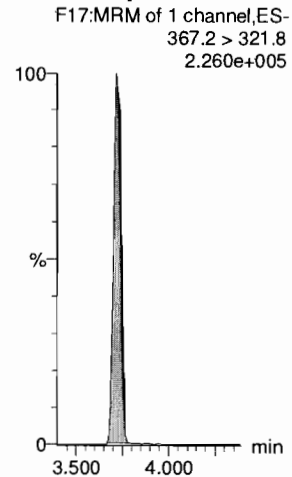
PFNA



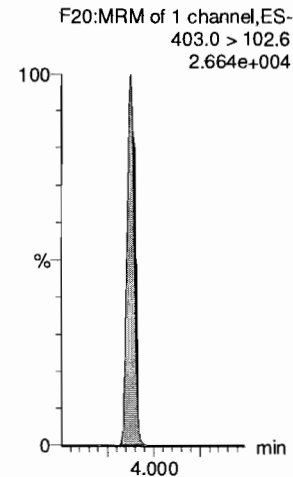
13C2-6:2 FTS



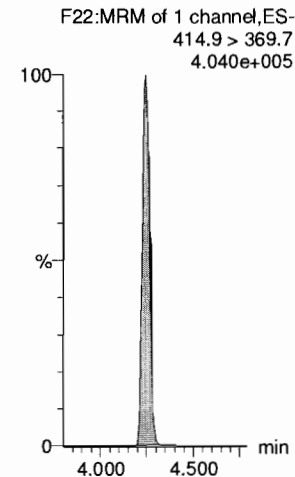
13C4-PFHpA



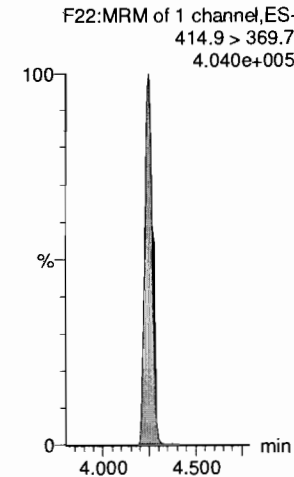
18O2-PFHxS



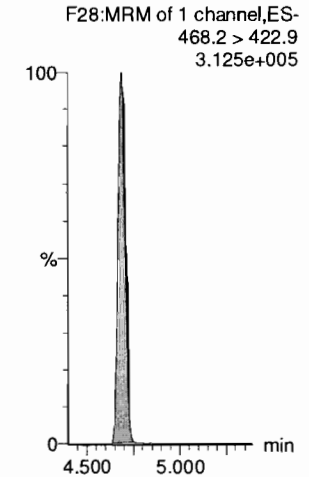
13C2-PFOA



13C2-PFOA



13C5-PFNA



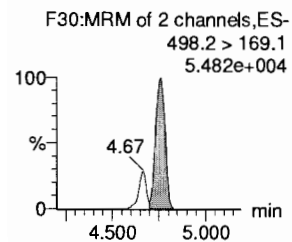
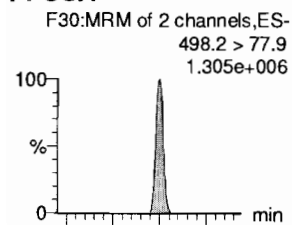
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

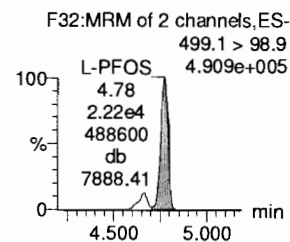
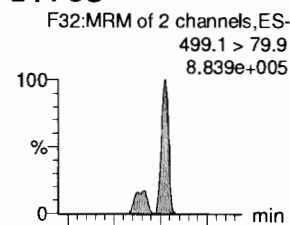
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_10, Date: 29-May-2018, Time: 19:19:17, ID: ST180529M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210

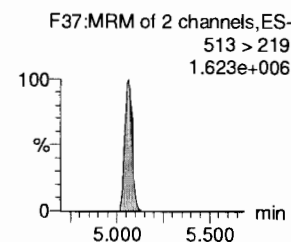
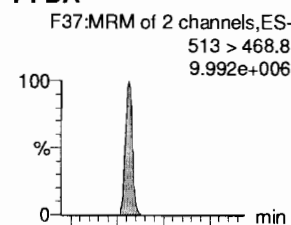
PFOSA



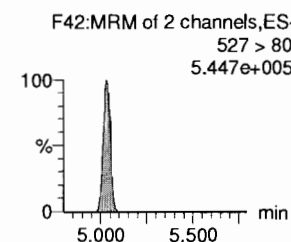
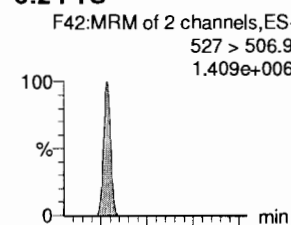
L-PFOS



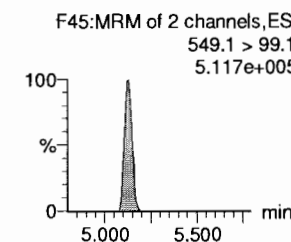
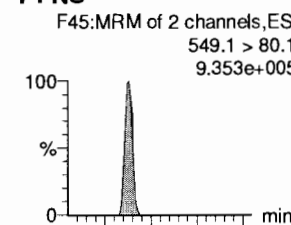
PFDA



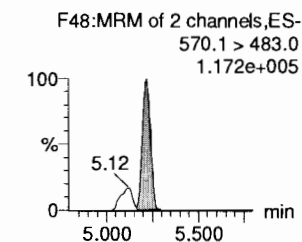
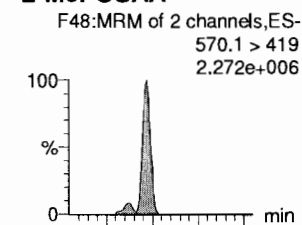
8:2 FTS



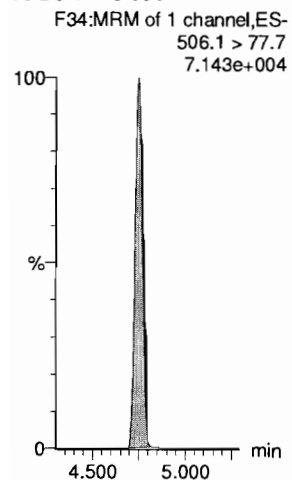
PFNS



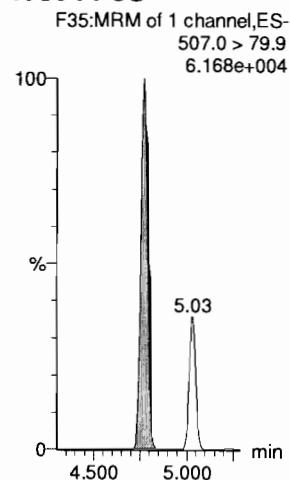
L-MeFOSAA



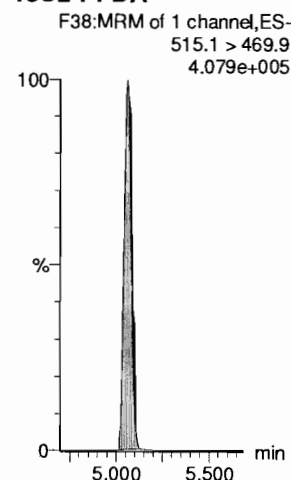
13C8-PFOSA



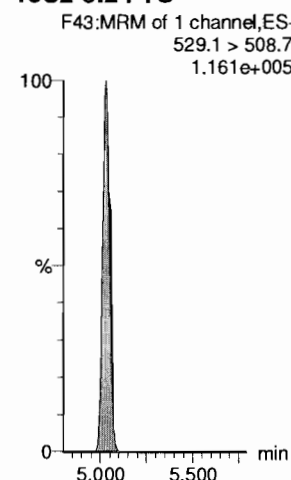
13C8-PFOS



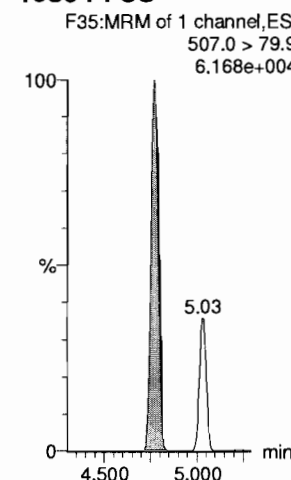
13C2-PFDA



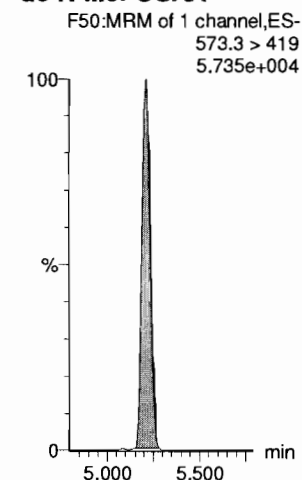
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

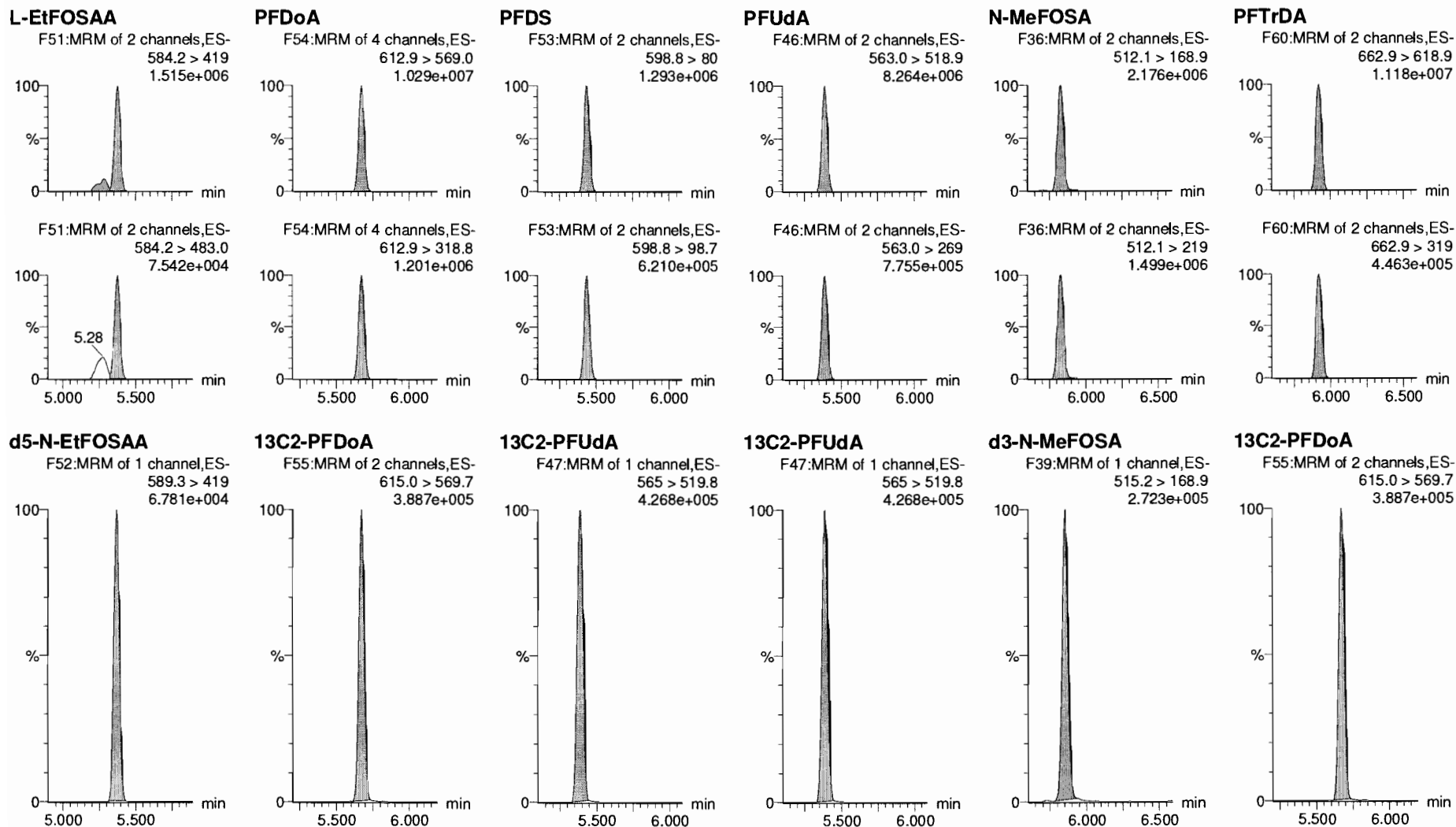


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_10, Date: 29-May-2018, Time: 19:19:17, ID: ST180529M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210



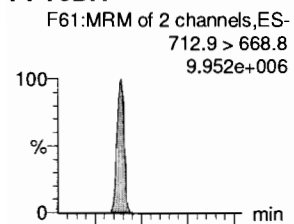
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Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

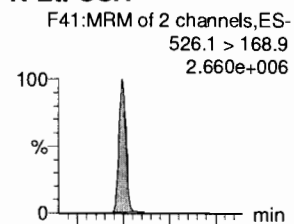
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

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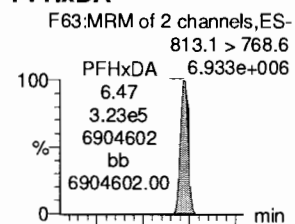
PFTeDA



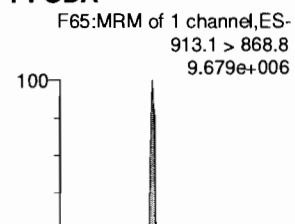
N-EtFOSA



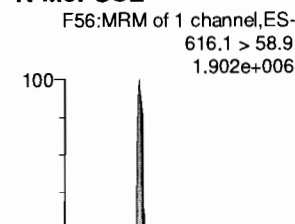
PFHxDA



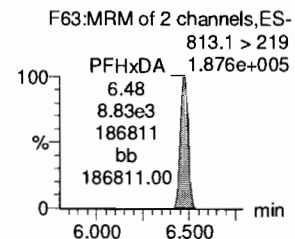
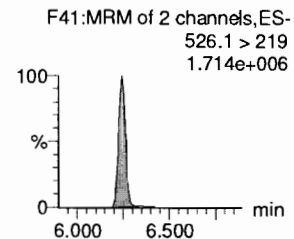
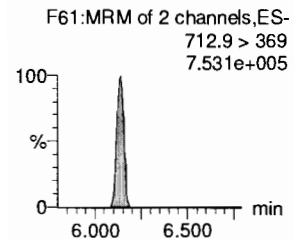
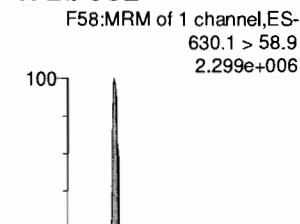
PFODA



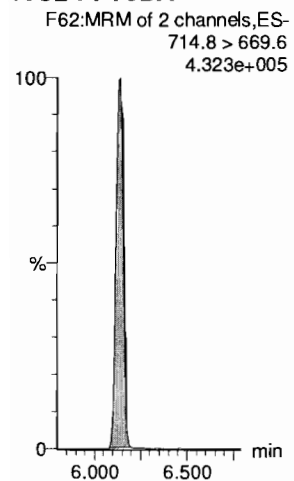
N-MeFOSE



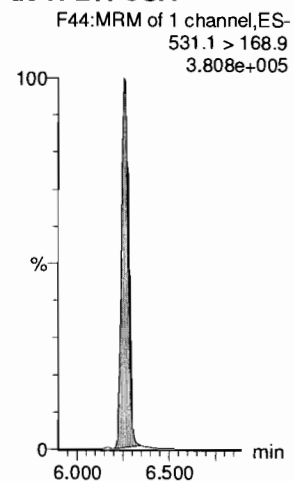
N-EtFOSE



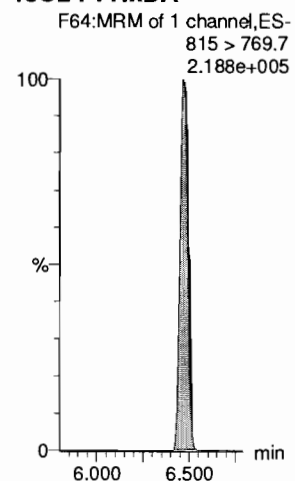
13C2-PFTeDA



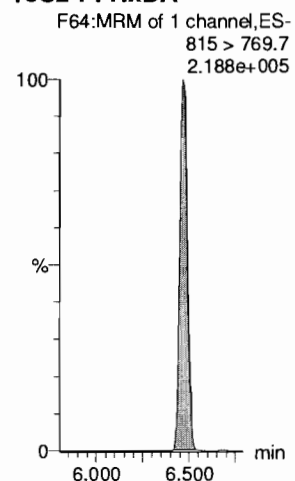
d5-N-ETFOSA



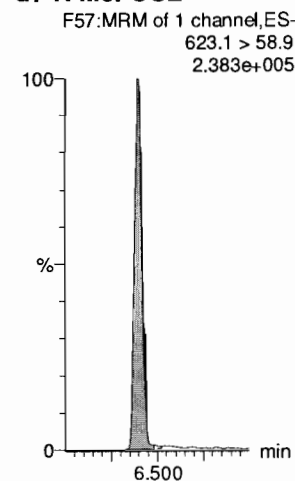
13C2-PFHxDA



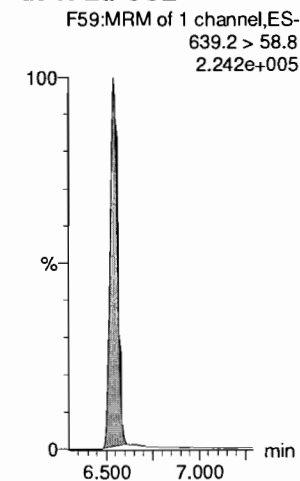
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

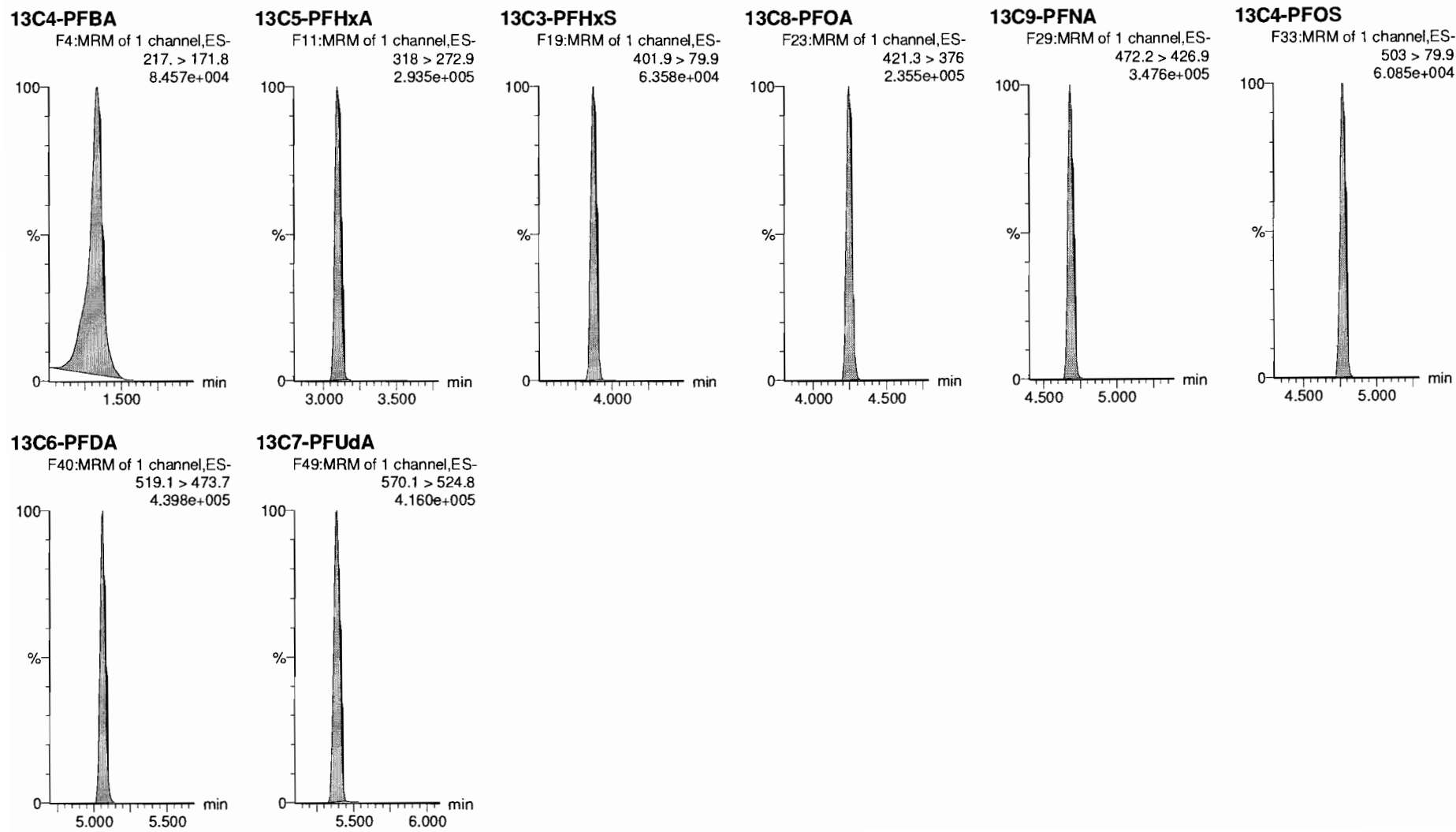


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_10, Date: 29-May-2018, Time: 19:19:17, ID: ST180529M1-9 PFC CS6 18E2210, Description: PFC CS6 18E2210



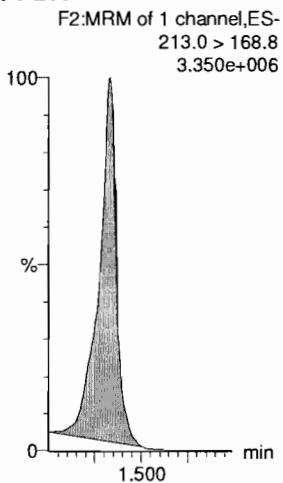
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

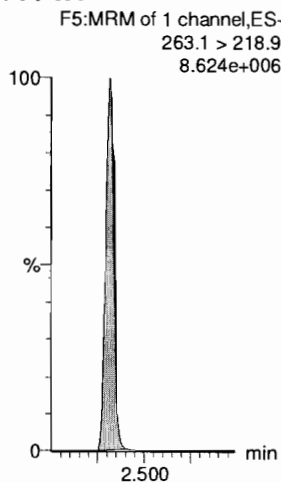
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

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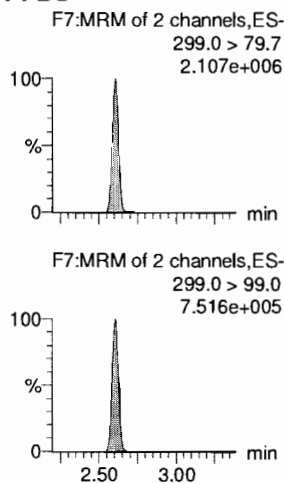
PFBA



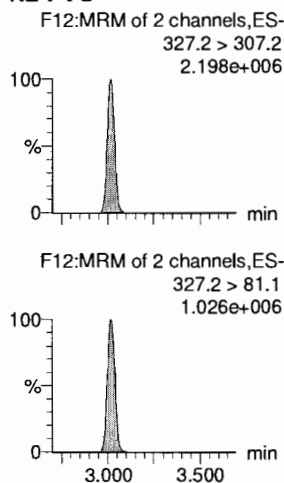
PFPeA



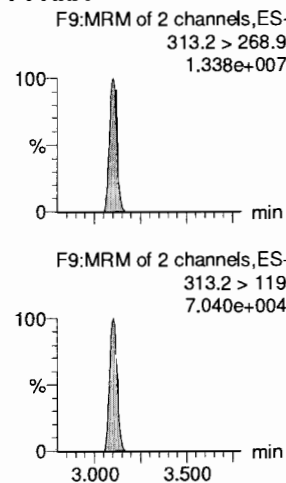
PFBS



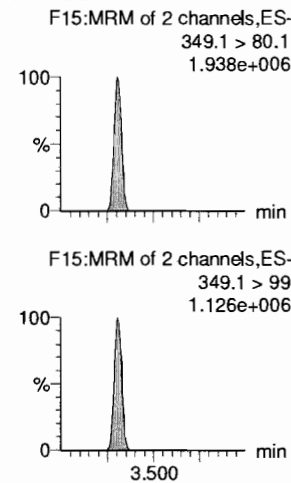
4:2 FTS



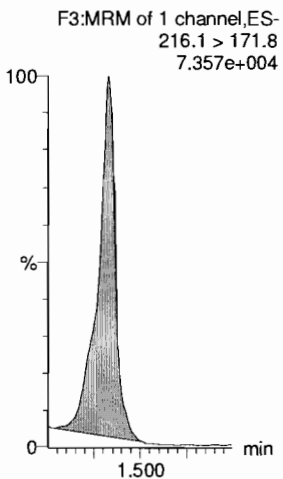
PFHxA



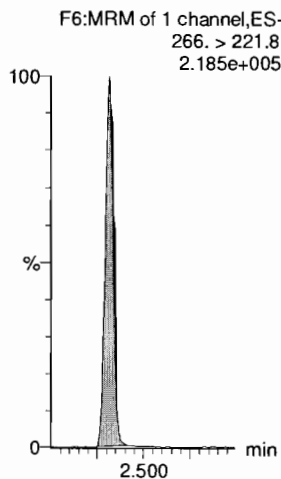
PFPeS



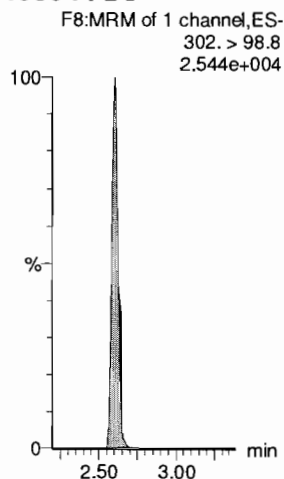
13C3-PFBA



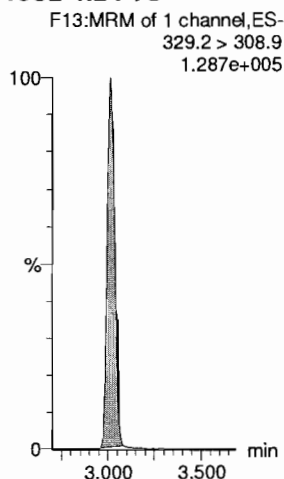
13C3-PFPeA



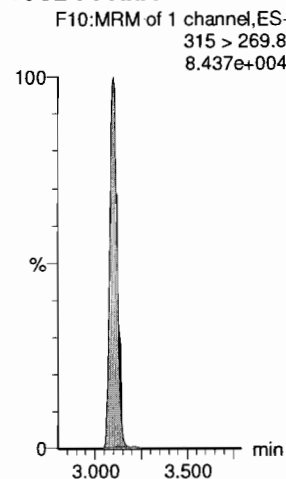
13C3-PFBS



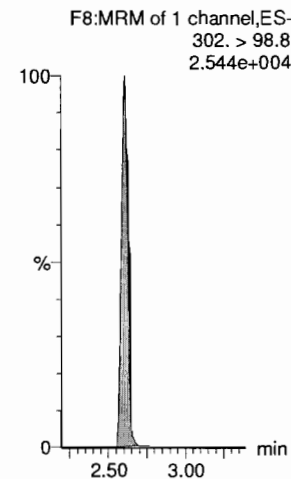
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

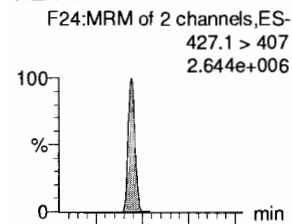


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

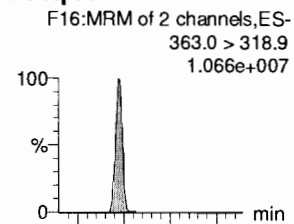
Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_11, Date: 29-May-2018, Time: 19:29:43, ID: ST180529M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211

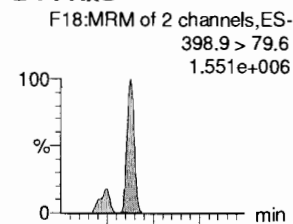
6:2 FTS



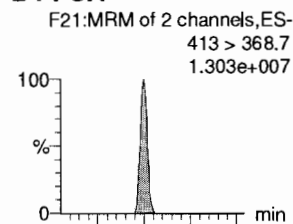
PFHpA



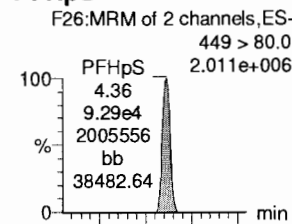
L-PFHxS



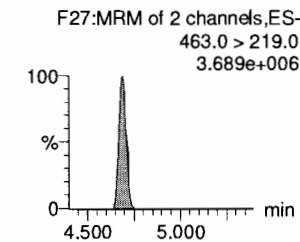
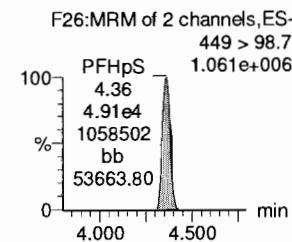
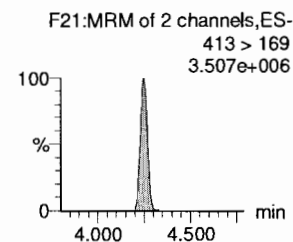
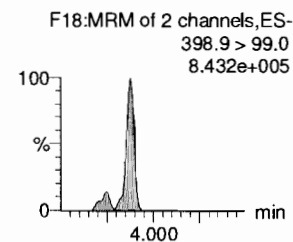
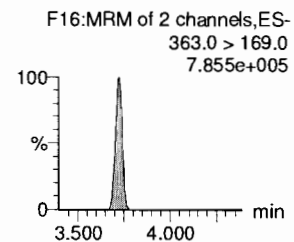
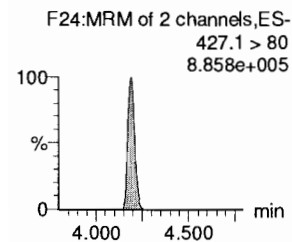
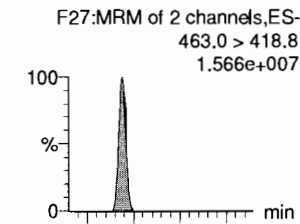
L-PFOA



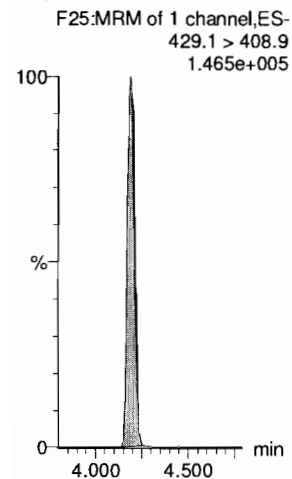
PFHpS



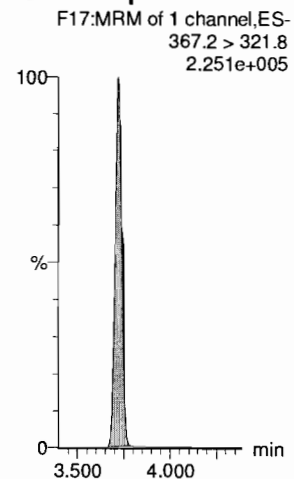
PFNA



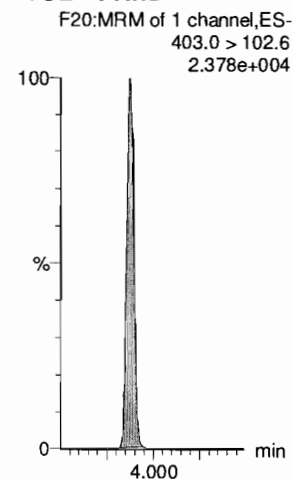
13C2-6:2 FTS



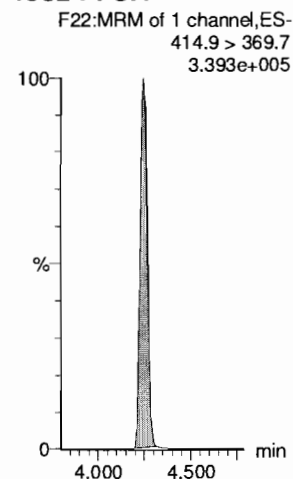
13C4-PFHpA



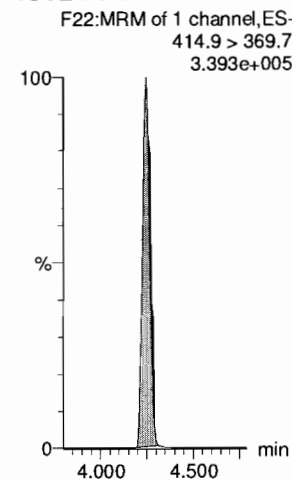
18O2-PFHxS



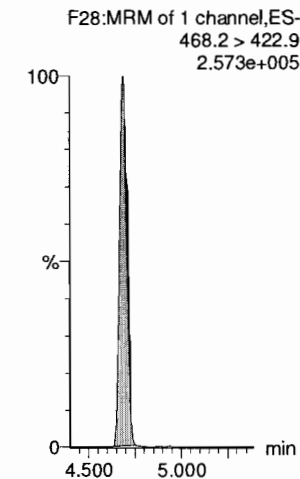
13C2-PFOA



13C2-PFOA



13C5-PFNA



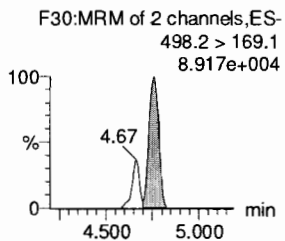
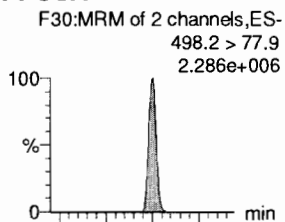
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

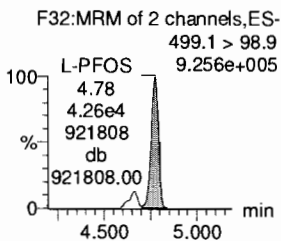
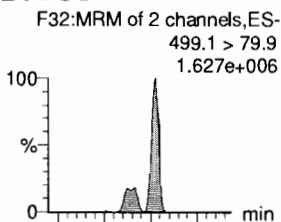
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_11, Date: 29-May-2018, Time: 19:29:43, ID: ST180529M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211

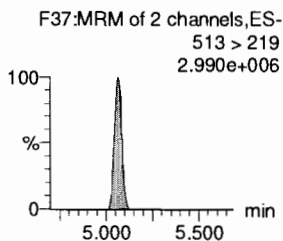
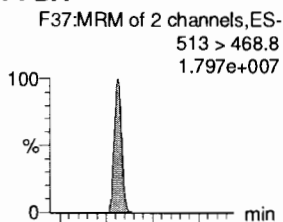
PFOSA



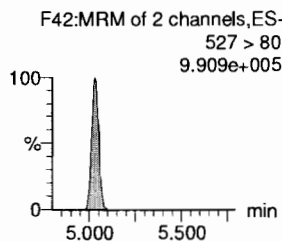
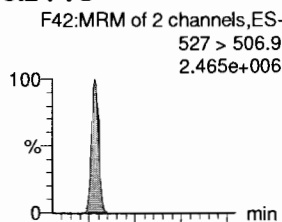
L-PFOS



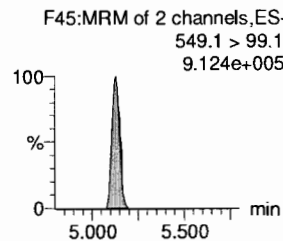
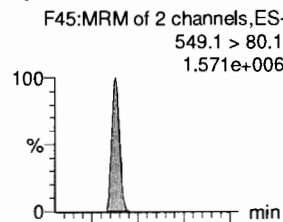
PFDA



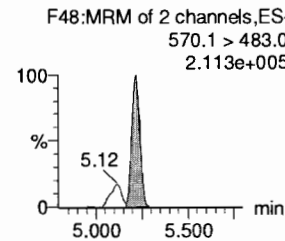
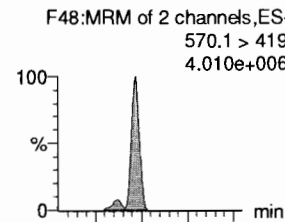
8:2 FTS



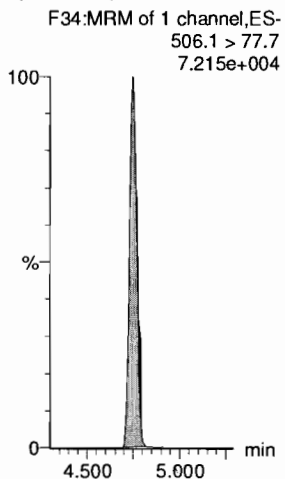
PFNS



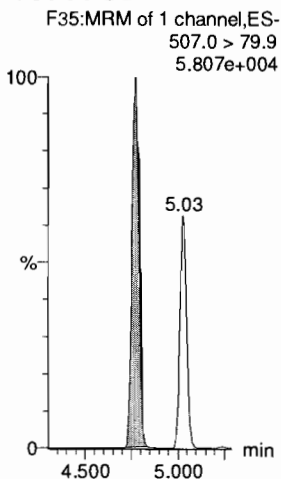
L-MeFOSAA



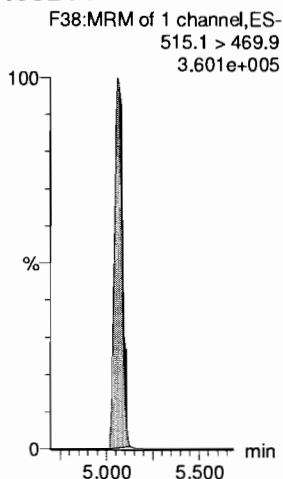
13C8-PFOSA



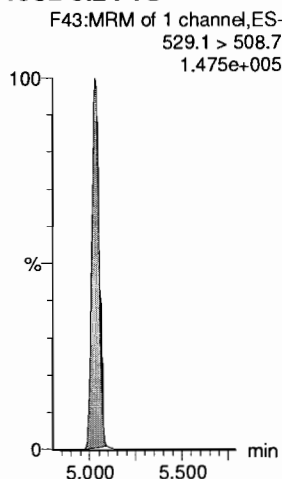
13C8-PFOS



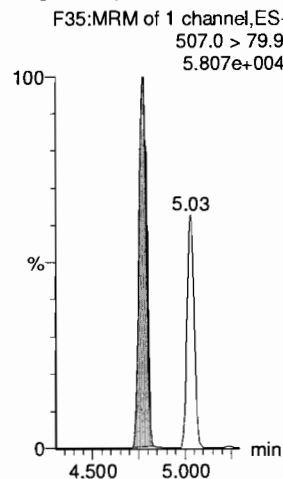
13C2-PFDA



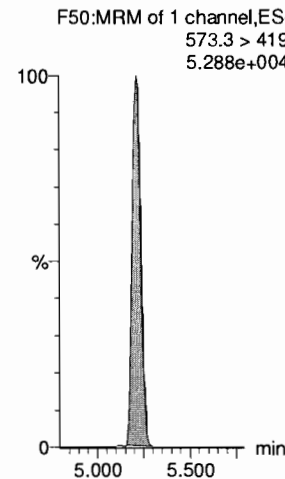
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



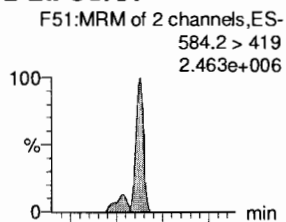
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

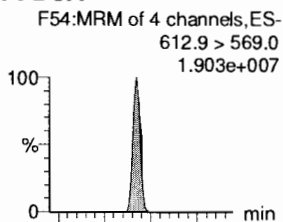
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_11, Date: 29-May-2018, Time: 19:29:43, ID: ST180529M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211

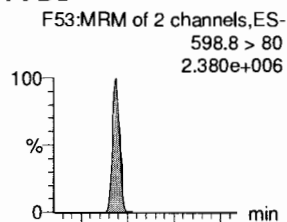
L-EtFOSAA



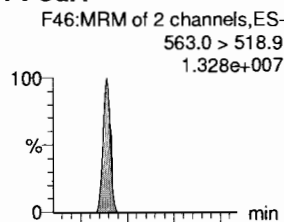
PFDoA



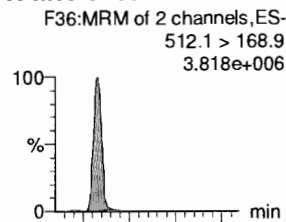
PFDS



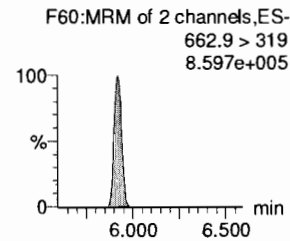
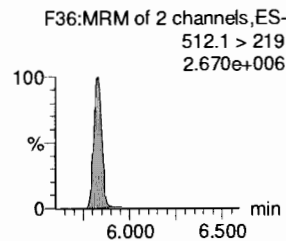
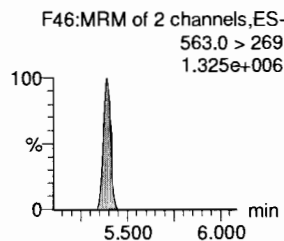
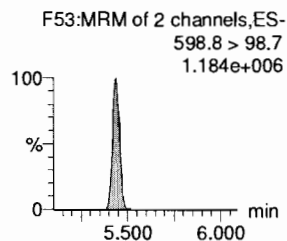
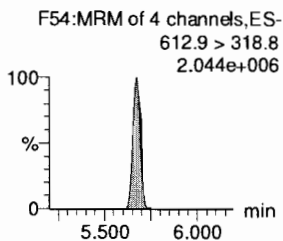
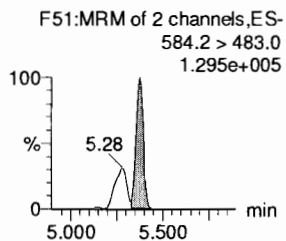
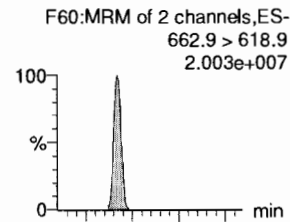
PFUdA



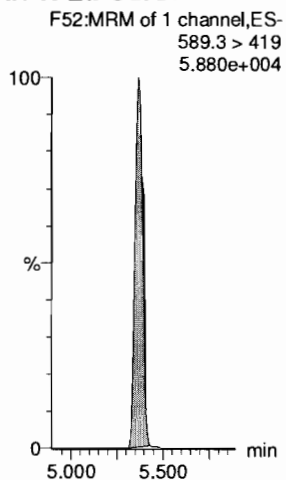
N-MeFOSA



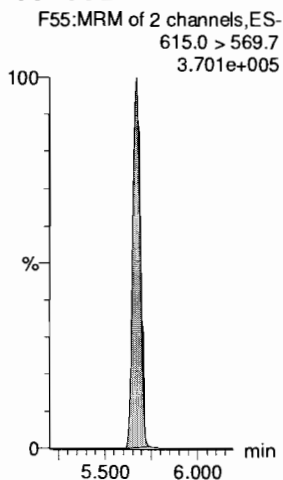
PFTrDA



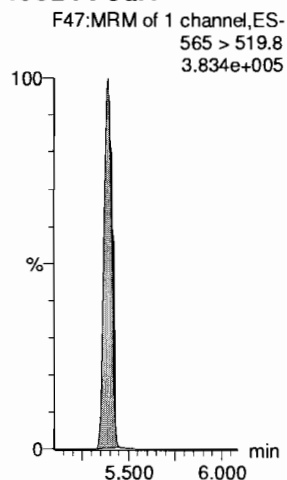
d5-N-EtFOSAA



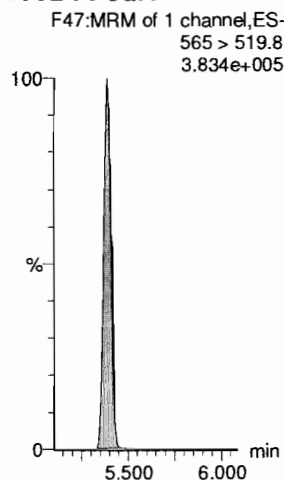
13C2-PFDoA



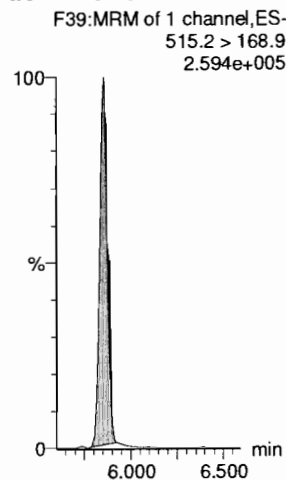
13C2-PFUdA



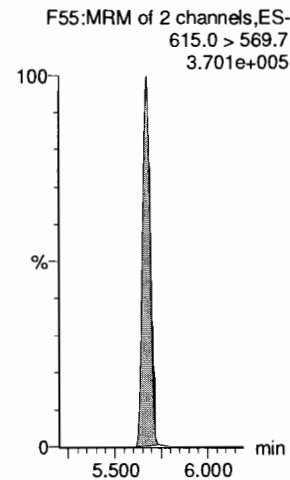
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



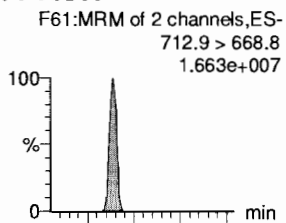
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

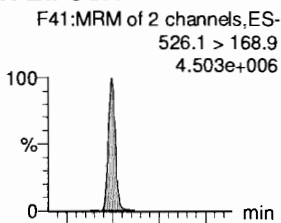
Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_11, Date: 29-May-2018, Time: 19:29:43, ID: ST180529M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211

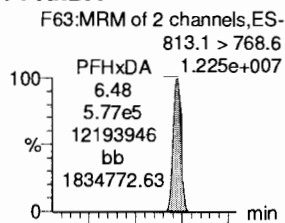
PFTeDA



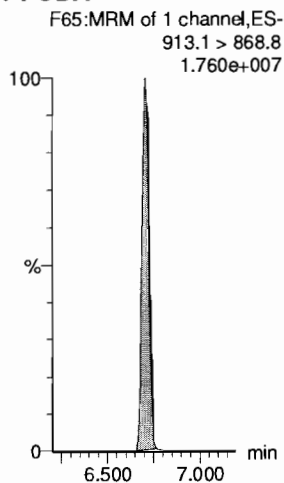
N-EtFOFA



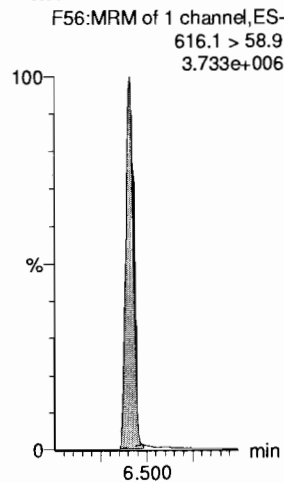
PFHxDA



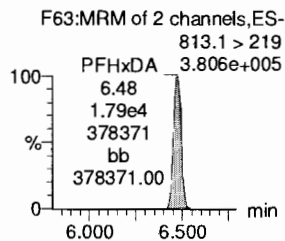
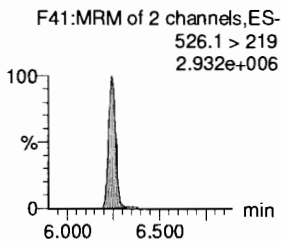
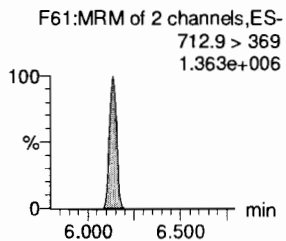
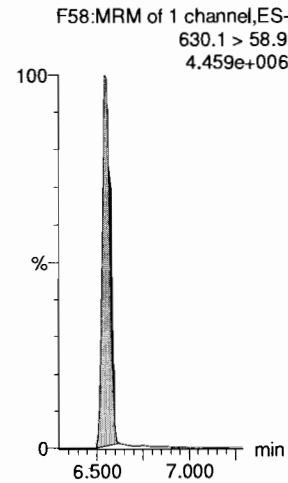
PFODA



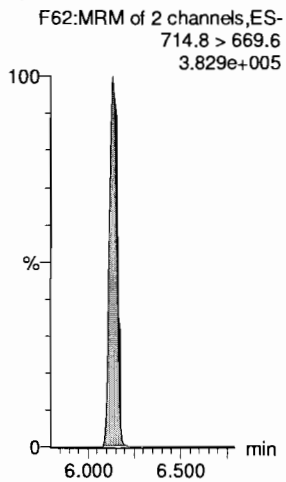
N-MeFOSE



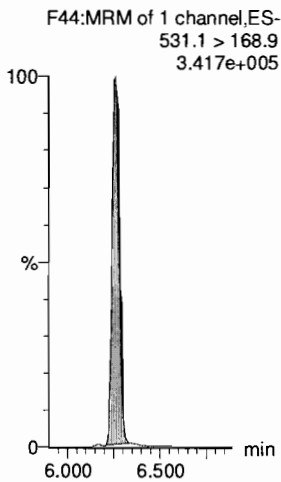
N-EtFOSE



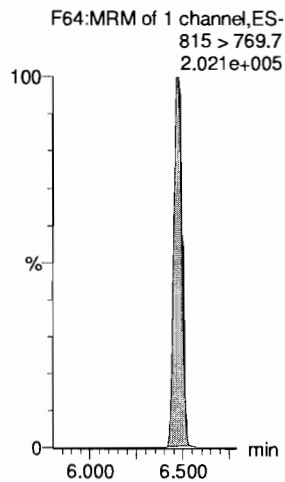
13C2-PFTeDA



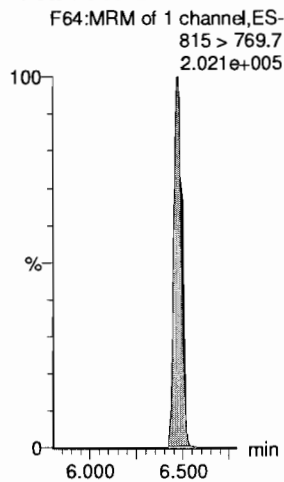
d5-N-ETFOSA



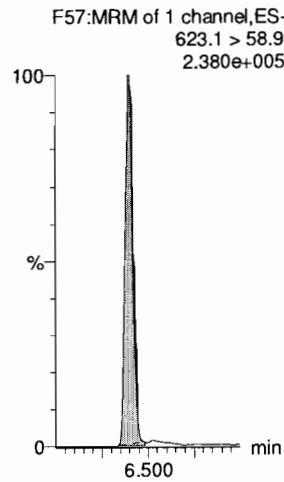
13C2-PFHxDA



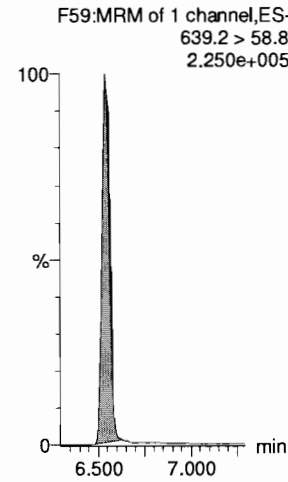
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

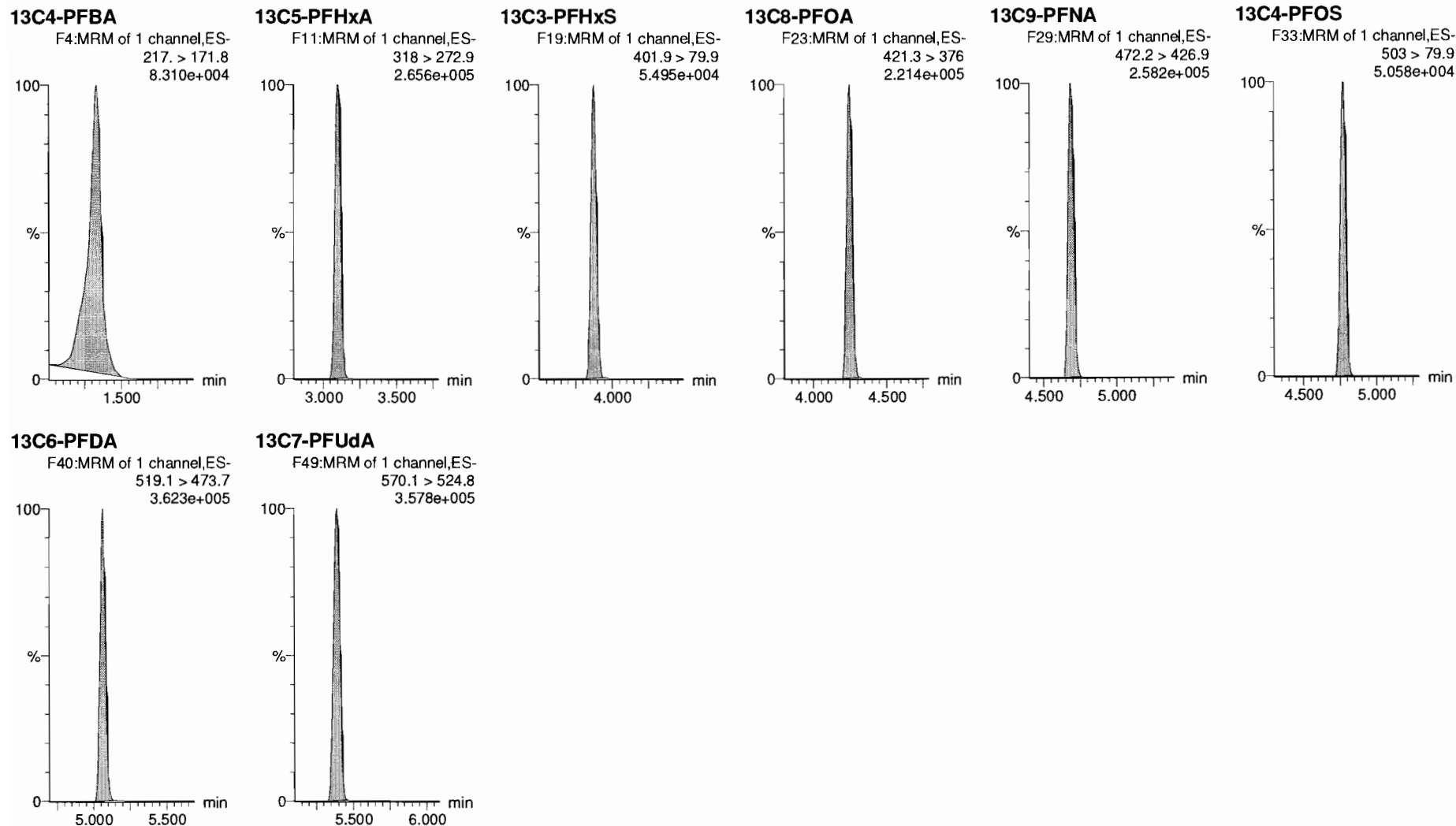


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-CRV.qld

Last Altered: Wednesday, May 30, 2018 10:06:09 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:11:30 Pacific Daylight Time

Name: 180529M1_11, Date: 29-May-2018, Time: 19:29:43, ID: ST180529M1-10 PFC CS7 18E2211, Description: PFC CS7 18E2211



Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-ICV.qld

Last Altered: Wednesday, May 30, 2018 10:20:20 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:20:48 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_13, Date: 29-May-2018, Time: 19:50:43, ID: ICV180529M1-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	1 PFBA	213.0 > 16...	7.53e3	8.63e3		1.33	1.33	10.9	9.37	93.7	NO		
2	2 PFPeA	263.1 > 21...	8.69e3	1.11e4		2.32	2.32	9.78	9.62	96.2	NO		
3	3 PFBS	299.0 > 79.7	1.89e3	1.39e3		2.61	2.61	17.0	8.19	81.9	NO	2.882	NO
4	4 4:2 FTS	327.2>307.2	2.60e3	2.60e3		3.02	3.02	12.5	10.0	100.0	NO	2.086	NO
5	5 PFHxA	313.2 > 26...	1.24e4	3.53e3		3.10	3.10	17.5	9.98	99.8	NO	263.625	NO
6	6 PFPeS	349.1>80.1	1.79e3	1.39e3		3.31	3.31	16.1	8.68	86.8	NO	1.677	NO
7	7 PFHpA	363.0 > 31...	9.78e3	9.63e3		3.72	3.72	12.7	10.1	100.7	NO	15.104	NO
8	8 L-PFHxS	398.9 > 79.6	1.55e3	1.10e3		3.88	3.88	17.6	9.38	93.8	NO	1.771	NO
9	10 6:2 FTS	427.1 > 407	2.87e3	2.61e3		4.19	4.19	13.7	9.74	97.4	NO	3.704	NO
10	11 L-PFOA	413 > 368.7	1.21e4	1.74e4		4.25	4.25	8.65	9.16	91.6	NO	3.516	NO
11	13 PFHpS	449 > 80.0	1.82e3	1.74e4		4.36	4.36	1.31	8.98	89.8	NO	2.034	NO
12	14 PFNA	463.0 > 41...	1.28e4	1.27e4		4.68	4.69	12.6	9.50	95.0	NO	3.818	NO
13	15 PFOSA	498.2 > 77.9	2.36e3	3.39e3		4.75	4.75	8.71	10.3	103.2	NO	20.711	NO
14	16 L-PFOS	499.1 > 79.9	1.83e3	2.84e3		4.77	4.78	8.05	9.32	93.2	NO	2.140	NO
15	18 PFDA	513 > 468.8	1.61e4	1.67e4		5.06	5.06	12.1	10.9	108.5	NO	5.642	NO
16	19 8:2 FTS	527 > 506.9	2.49e3	2.70e3		5.03	5.04	11.5	8.54	85.4	NO	2.704	NO
17	20 PFNS	549.1>80.1	1.60e3	2.84e3		5.13	5.13	7.06	8.84	88.4	NO	1.596	NO
18	21 L-MeFOSAA	570.1 > 419	5.77e3	2.50e3		5.22	5.22	28.9	11.9	118.9	NO	16.344	NO
19	23 L-EtFOSAA	584.2 > 419	3.94e3	3.61e3		5.37	5.38	13.6	10.4	103.5	NO	20.697	NO

AA
5/30/18

VBF 5/30/18

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-ICV.qld

Last Altered: Wednesday, May 30, 2018 10:20:20 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:21:03 Pacific Daylight Time

(A) Compounds not PRESENT in ICV

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_13, Date: 29-May-2018, Time: 19:50:43, ID: ICV180529M1-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
1	25	PFUdA	563.0 > 51...	1.46e4	1.60e4	5.39	5.39	11.4	12.3	123.1	NO	9.808	NO
2	26	PFDS	598.8 > 80	2.14e3	1.60e4	5.44	5.44	1.68	10.5	105.0	NO	1.930	NO
3	27	PFDoA	612.9 > 56...	1.77e4	1.97e4	5.67	5.67	11.2	8.76	87.6	NO	9.875	NO
4	28	N-MeFOSA	512.1 > 16...		1.22e4	5.83				(A)	NO		
5	29	PFTeDA	662.9 > 61...	1.99e4	1.97e4	5.92	5.92	12.7	9.22	92.2	NO	23.996	NO
6	30	PFTeDA	712.9 > 66...	1.49e4	1.67e4	6.14	6.14	11.1	9.33	93.3	NO	12.179	NO
7	31	N-EtFOSA	526.1 > 16...		1.70e4	6.24				(A)	NO		
8	32	PFHxDA	813.1 > 76...		9.97e3	6.48					NO		
9	33	PFODA	913.1 > 86...		9.97e3	6.71					NO		
10	34	N-MeFOSE	616.1 > 58.9		1.06e4	6.41					NO		
11	35	N-EtFOSE	630.1 > 58.9		9.80e3	6.56					NO		
12	36	13C3-PFBA	216.1 > 17...	8.63e3	9.64e3	0.894	1.33	1.33	11.2	100.2	NO		
13	37	13C3-PFPeA	266. > 221.8	1.11e4	1.26e4	0.886	2.32	2.32	11.0	99.4	NO		
14	38	13C3-PFBS	302. > 98.8	1.39e3	1.26e4	0.109	2.61	2.61	1.38	101.3	NO		
15	39	13C2-4:2 FTS	329.2>308.9	2.60e3	1.26e4	0.231	3.02	3.02	2.58	11.2	89.6	NO	
16	40	13C2-PFHxA	315 > 269.8	3.53e3	1.26e4	0.731	3.10	3.10	3.51	4.80	96.0	NO	
17	41	13C4-PFHpA	367.2 > 32...	9.63e3	1.26e4	0.761	3.72	3.72	9.55	12.5	100.4	NO	
18	42	18O2-PFHxS	403.0 > 10...	1.10e3	2.80e3	0.436	3.87	3.88	4.90	11.2	90.0	NO	
19	43	13C2-6:2 FTS	429.1 > 40...	2.61e3	1.09e4	0.267	4.19	4.19	3.01	11.3	90.2	NO	
20	44	13C2-PFOA	414.9 > 36...	1.74e4	1.09e4	1.601	4.25	4.25	20.0	12.5	100.1	NO	
21	45	13C5-PFNA	468.2 > 42...	1.27e4	1.34e4	0.953	4.69	4.69	11.8	12.4	99.2	NO	
22	46	13C8-PFOSA	506.1 > 77.7	3.39e3	1.88e4	0.178	4.75	4.75	2.25	12.6	101.1	NO	
23	47	13C8-PFOS	507.0 > 79.9	2.84e3	2.58e3	1.064	4.77	4.78	13.8	12.9	103.5	NO	
24	48	13C2-PFDA	515.1 > 46...	1.67e4	1.76e4	1.032	5.06	5.06	11.9	11.5	91.9	NO	
25	49	13C2-8:2 FTS	529.1 > 50...	2.70e3	1.26e4	0.215	5.03	5.03	2.68	12.5	99.9	NO	
26	50	d3-N-MeFOSAA	573.3 > 419	2.50e3	1.88e4	0.134	5.21	5.22	1.66	12.4	99.1	NO	
27	51	d5-N-EtFOSAA	589.3 > 419	3.61e3	1.88e4	0.177	5.37	5.37	2.40	13.5	108.4	NO	
28	52	13C2-PFUdA	565 > 519.8	1.60e4	1.88e4	0.948	5.39	5.39	10.6	11.2	89.7	NO	
29	53	13C2-PFDoA	615.0 > 56...	1.97e4	1.76e4	1.114	5.67	5.67	14.0	12.5	100.3	NO	
30	54	d3-N-MeFOSA	515.2 > 16...	1.22e4	1.88e4	0.054	5.85	5.85	8.11	151	100.5	NO	
31	55	13C2-PFTeDA	714.8 > 66...	1.67e4	1.88e4	0.860	6.14	6.14	11.1	12.9	103.4	NO	
32	56	d5-N-ETFOSA	531.1 > 16...	1.70e4	1.88e4	0.073	6.26	6.26	11.3	154	102.7	NO	

Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-ICV.qld

Last Altered: Wednesday, May 30, 2018 10:20:20 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:21:03 Pacific Daylight Time

Name: 180529M1_13, Date: 29-May-2018, Time: 19:50:43, ID: ICV180529M1-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out	Ion Ratio	Ratio out?
33	57 13C2-PFHxDA	815 > 769.7	9.97e3	1.88e4	1.257	6.48	6.48	6.63	5.28	105.5	NO		
34	58 d7-N-MeFOSE	623.1 > 58.9	1.06e4	1.88e4	0.050	6.40	6.40	7.01	141	93.7	NO		
35	59 d9-N-EtFOSE	639.2 > 58.8	9.80e3	1.88e4	0.046	6.54	6.54	6.51	142	94.6	NO		
36	60 13C4-PFBA	217. > 171.8	9.64e3	9.64e3	1.000	1.33	1.33	12.5	12.5	100.0	NO		
37	61 13C5-PFHxA	318 > 272.9	1.26e4	1.26e4	1.000	3.10	3.10	12.5	12.5	100.0	NO		
38	62 13C3-PFHxS	401.9 > 79.9	2.80e3	2.80e3	1.000	3.87	3.88	12.5	12.5	100.0	NO		
39	63 13C8-PFOA	421.3 > 376	1.09e4	1.09e4	1.000	4.25	4.25	12.5	12.5	100.0	NO		
40	64 13C9-PFNA	472.2 > 42...	1.34e4	1.34e4	1.000	4.69	4.69	12.5	12.5	100.0	NO		
41	65 13C4-PFOS	503 > 79.9	2.58e3	2.58e3	1.000	4.77	4.78	12.5	12.5	100.0	NO		
42	66 13C6-PFDA	519.1 > 47...	1.76e4	1.76e4	1.000	5.06	5.06	12.5	12.5	100.0	NO		
43	67 13C7-PFUdA	570.1 > 52...	1.88e4	1.88e4	1.000	5.39	5.39	12.5	12.5	100.0	NO		

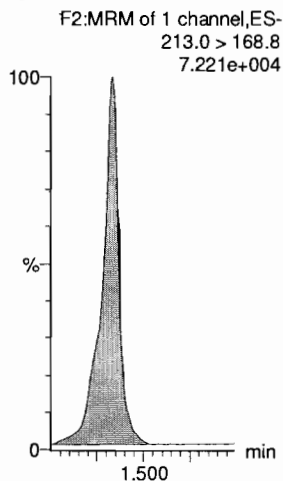
Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-ICV.qld

Last Altered: Wednesday, May 30, 2018 10:20:20 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 10:21:03 Pacific Daylight Time

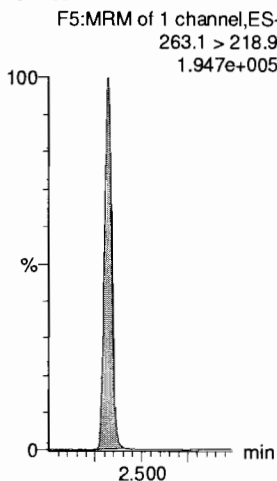
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_13, Date: 29-May-2018, Time: 19:50:43, ID: ICV180529M1-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

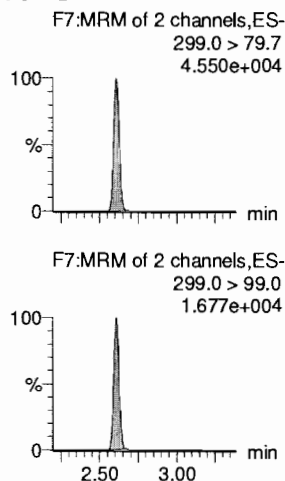
PFBA



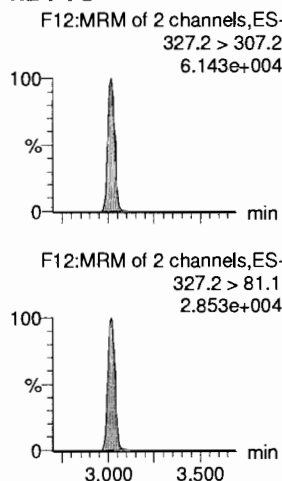
PFPeA



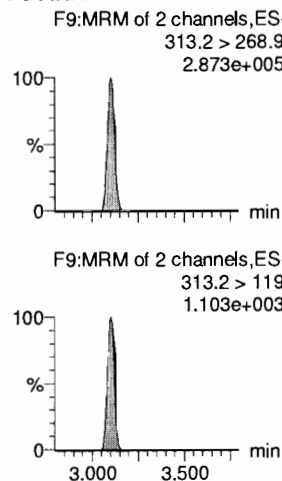
PFBS



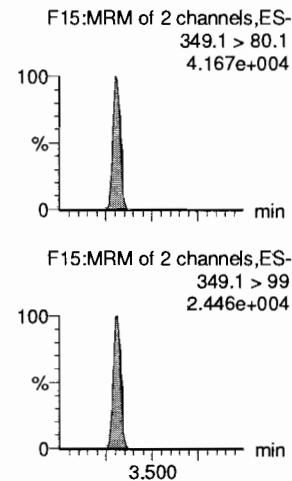
4:2 FTS



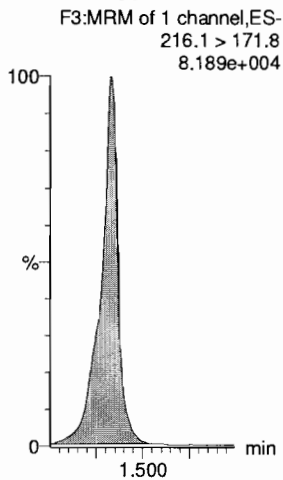
PFHxA



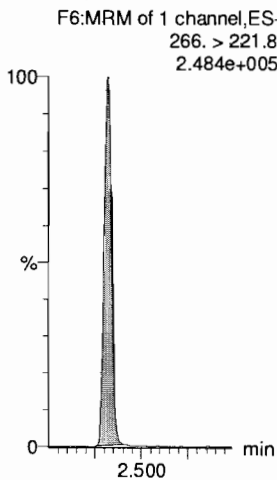
PFPeS



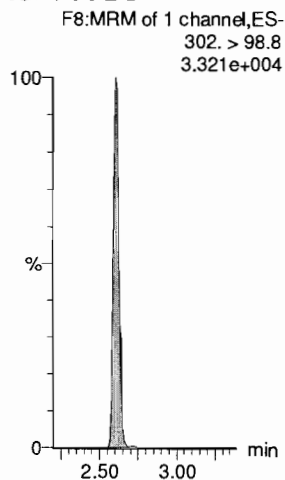
13C3-PFBA



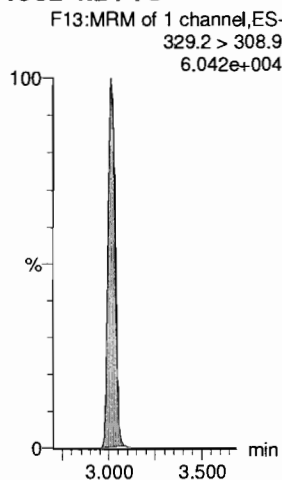
13C3-PFPeA



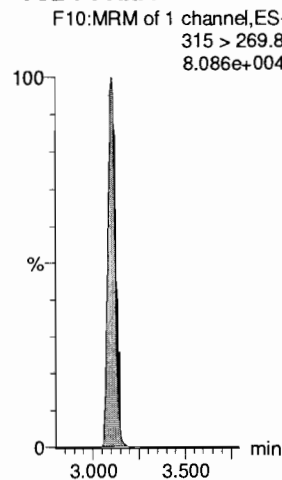
13C3-PFBS



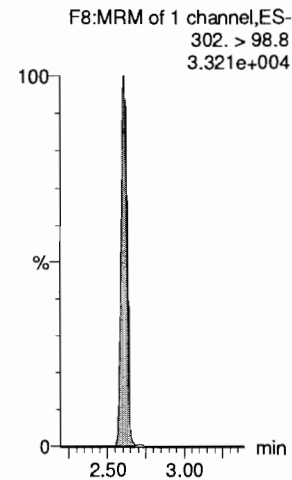
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

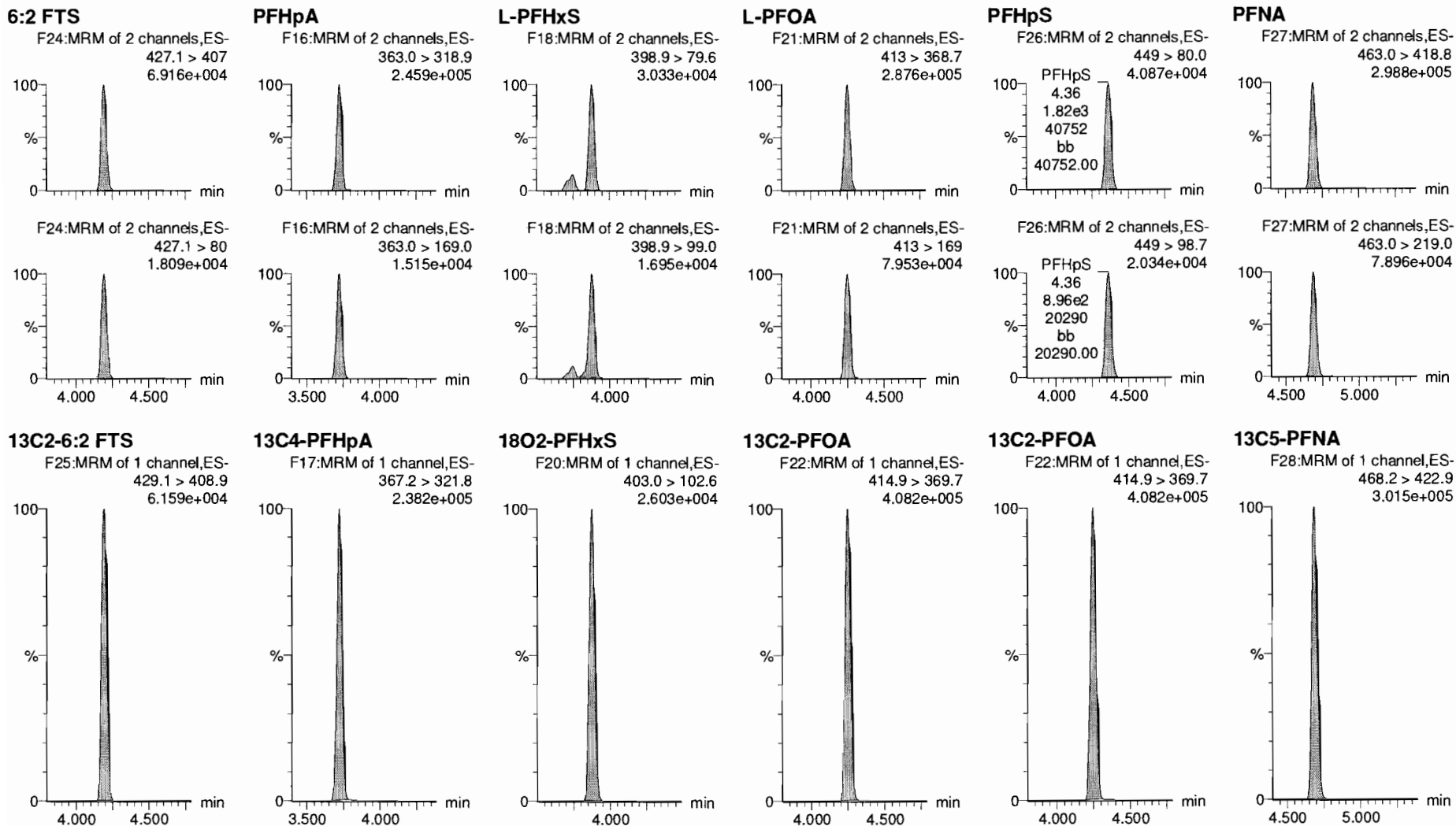


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-ICV.qld

Last Altered: Wednesday, May 30, 2018 10:20:20 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:21:03 Pacific Daylight Time

Name: 180529M1_13, Date: 29-May-2018, Time: 19:50:43, ID: ICV180529M1-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

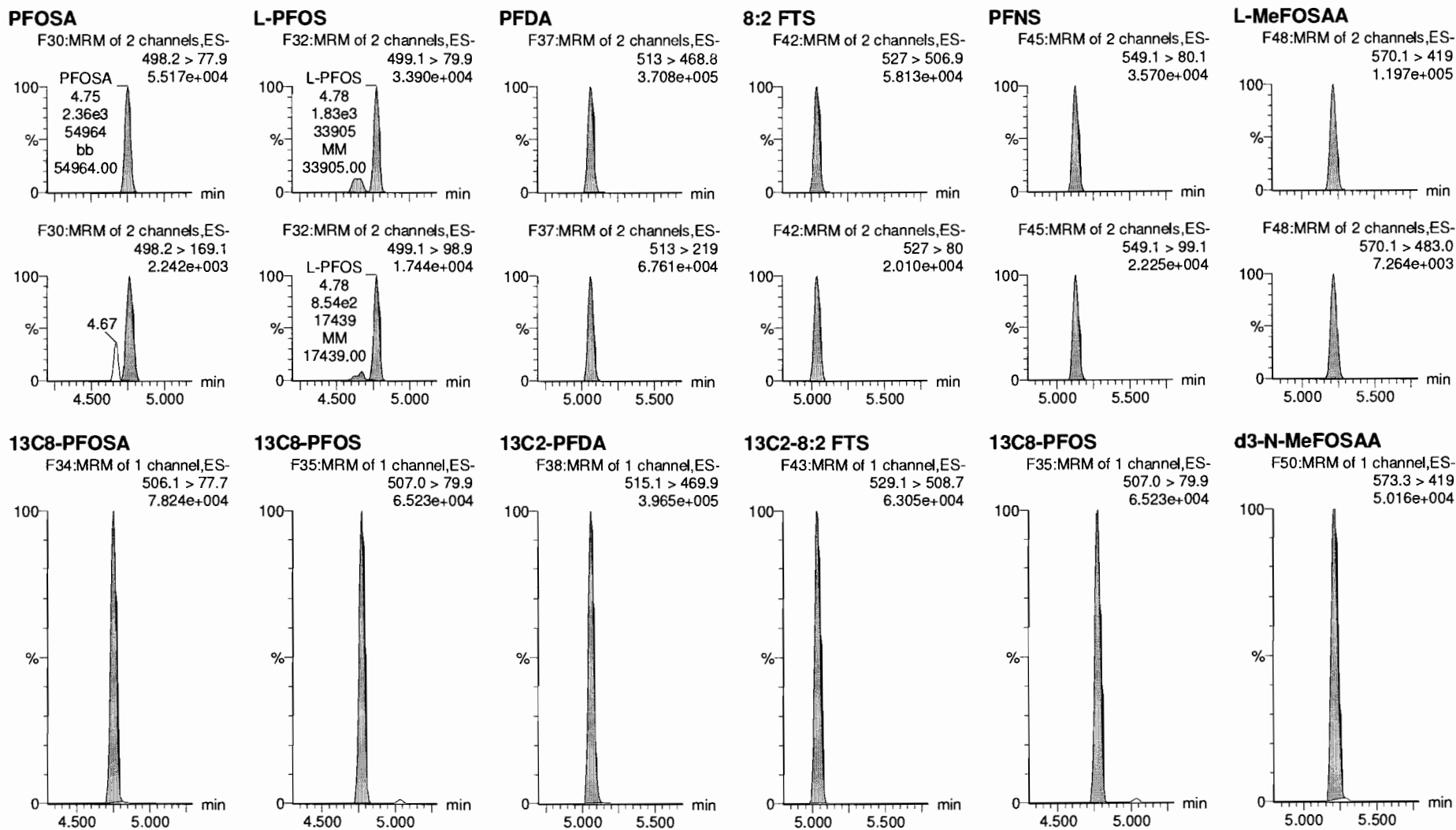


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-ICV.qld

Last Altered: Wednesday, May 30, 2018 10:20:20 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:21:03 Pacific Daylight Time

Name: 180529M1_13, Date: 29-May-2018, Time: 19:50:43, ID: ICV180529M1-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901



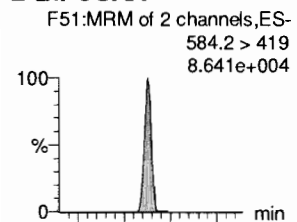
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Last Altered: Wednesday, May 30, 2018 10:20:20 Pacific Daylight Time

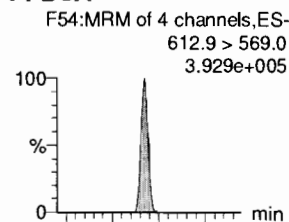
Printed: Wednesday, May 30, 2018 10:21:03 Pacific Daylight Time

Name: 180529M1_13, Date: 29-May-2018, Time: 19:50:43, ID: ICV180529M1-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

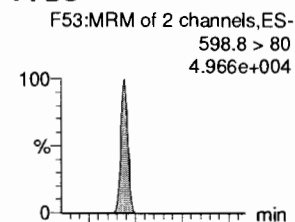
L-EtFOSAA



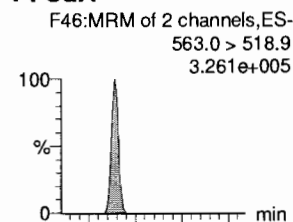
PFDoA



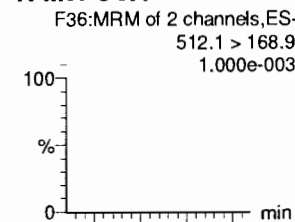
PFDS



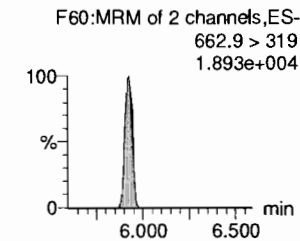
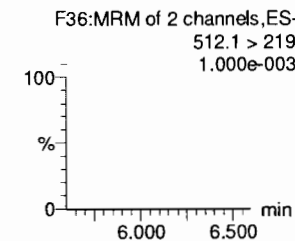
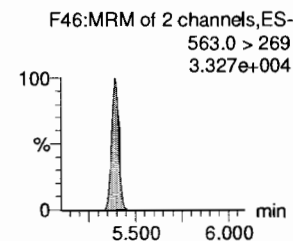
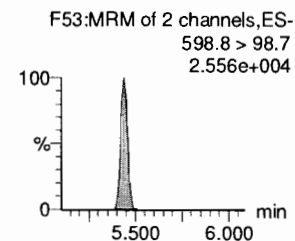
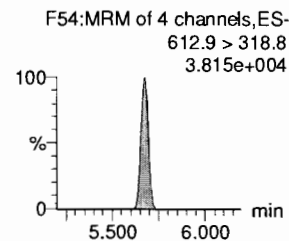
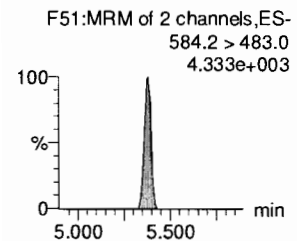
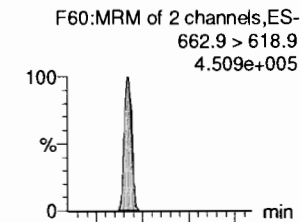
PFUdA



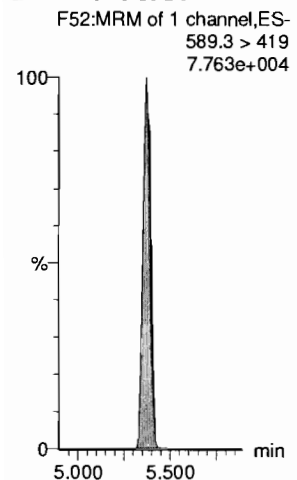
N-MeFOSA



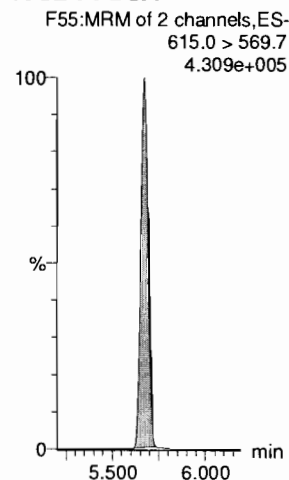
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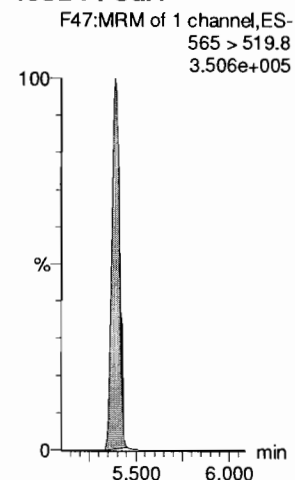
d5-N-EtFOSAA



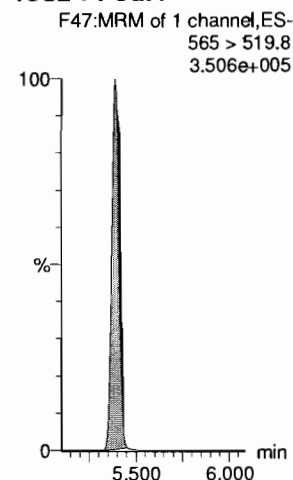
13C2-PFDoA



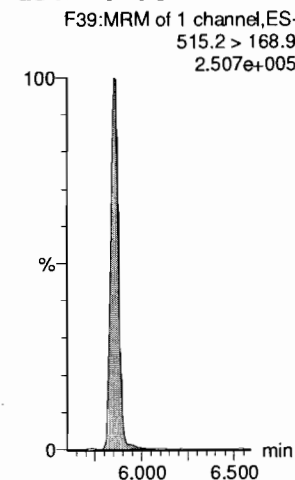
13C2-PFUdA



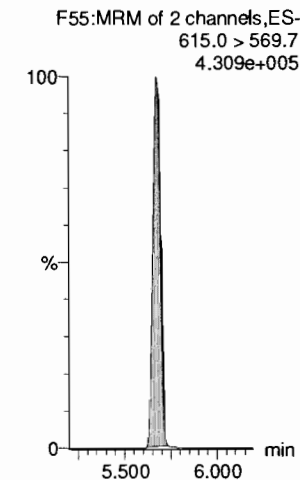
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

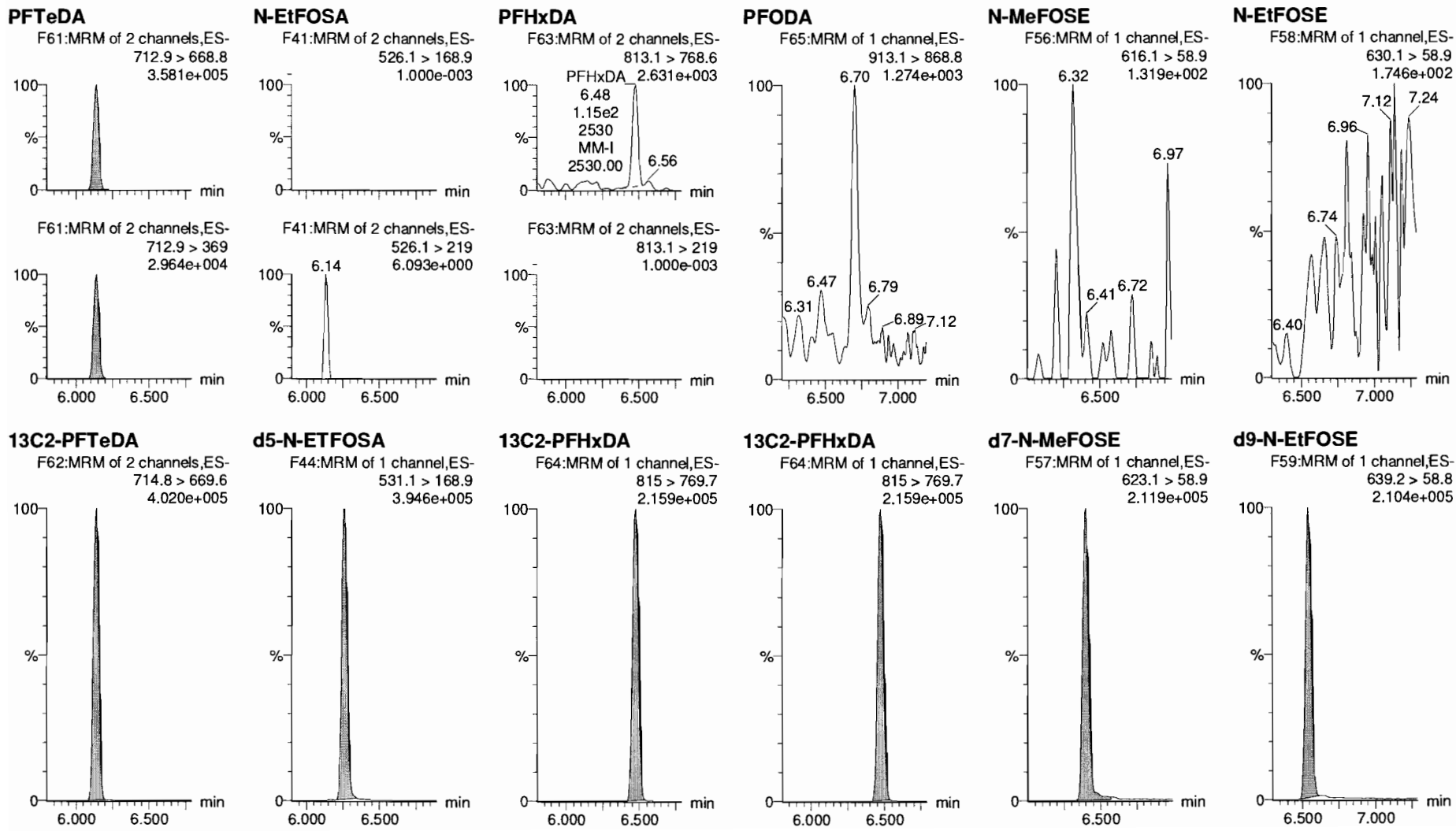


Dataset: F:\Projects\PFAS.PRO\Results\180529M1\180529M1-ICV.qld

Last Altered: Wednesday, May 30, 2018 10:20:20 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:21:03 Pacific Daylight Time

Name: 180529M1_13, Date: 29-May-2018, Time: 19:50:43, ID: ICV180529M1-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901



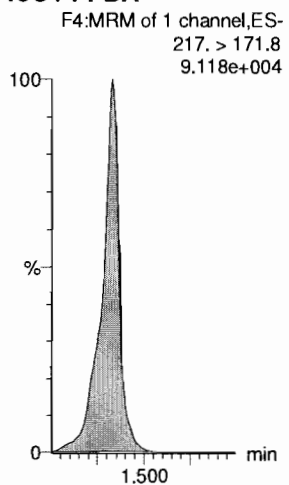
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Last Altered: Wednesday, May 30, 2018 10:20:20 Pacific Daylight Time

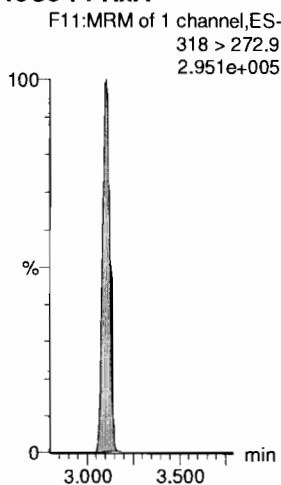
Printed: Wednesday, May 30, 2018 10:21:03 Pacific Daylight Time

Name: 180529M1_13, Date: 29-May-2018, Time: 19:50:43, ID: ICV180529M1-1 PFC 537 ICV 18E2901, Description: PFC ICV 18E2901

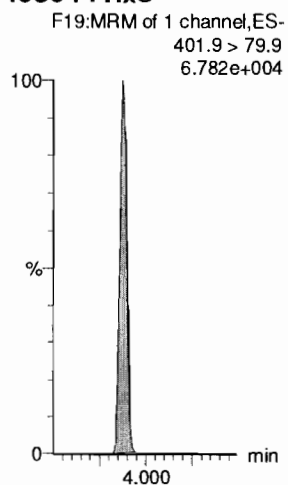
13C4-PFBA



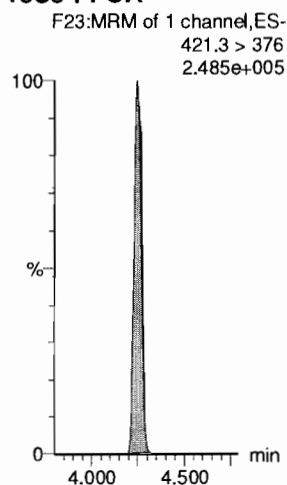
13C5-PFHxA



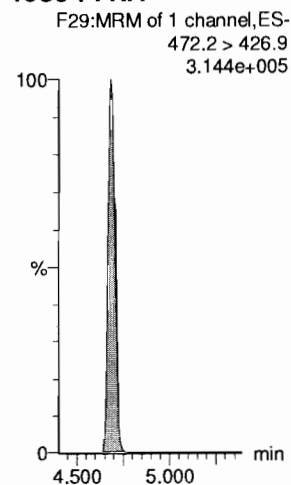
13C3-PFHxS



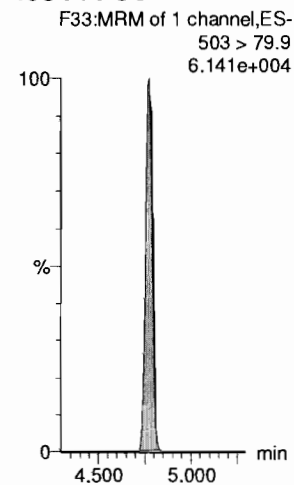
13C8-PFOA



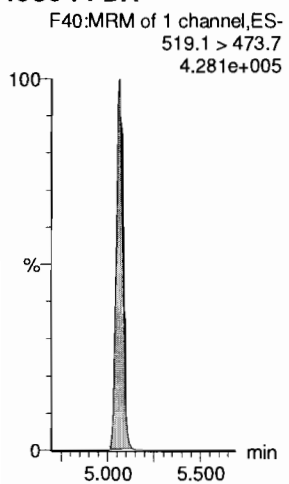
13C9-PFNA



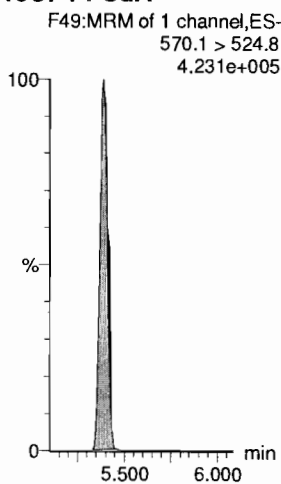
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 10:33:00 Pacific Daylight Time

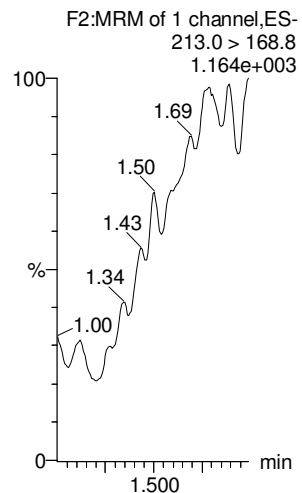
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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052918.mdb 30 May 2018 09:46:40

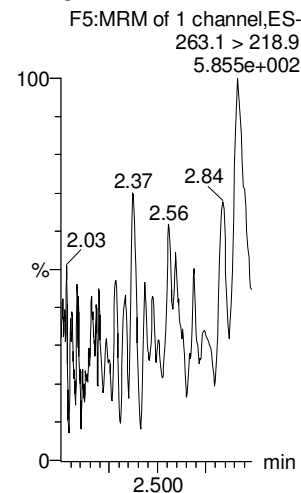
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-29-18.cdb 30 May 2018 10:06:09

Name: 180529M1_12, Date: 29-May-2018, Time: 19:40:13, ID: IPA, Description: IPA

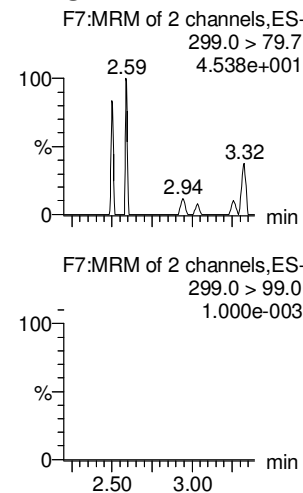
PFBA



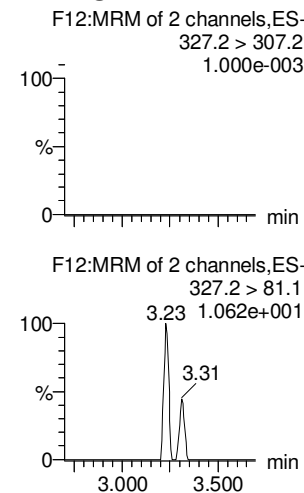
PFPeA



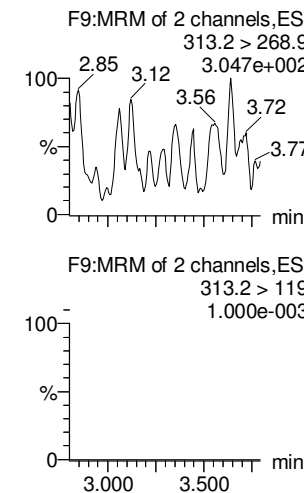
PFBS



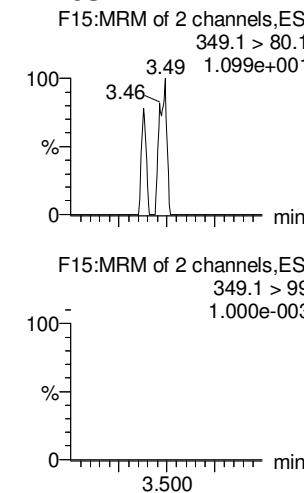
4:2 FTS



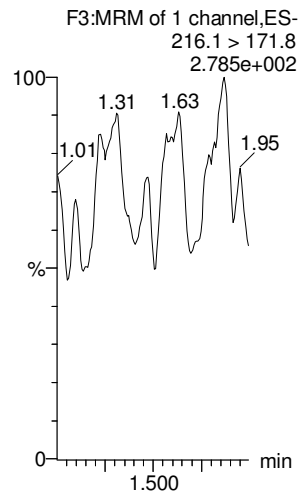
PFHxA



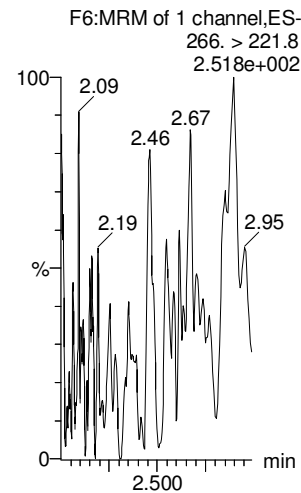
PFPeS



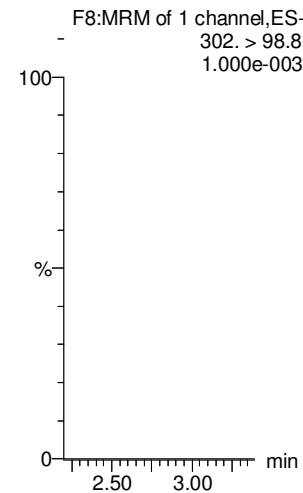
13C3-PFBA



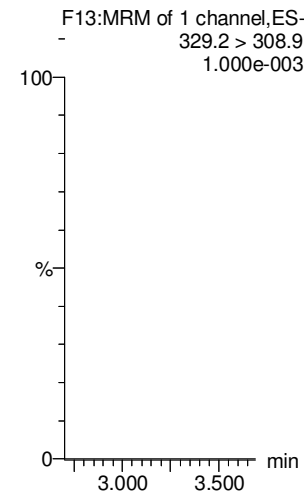
13C3-PFPeA



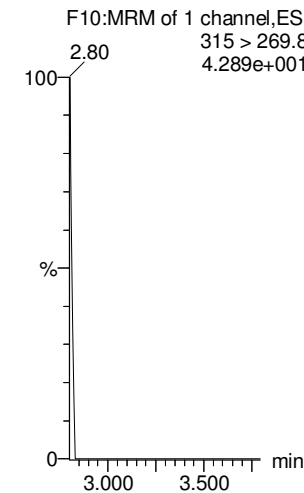
13C3-PFBS



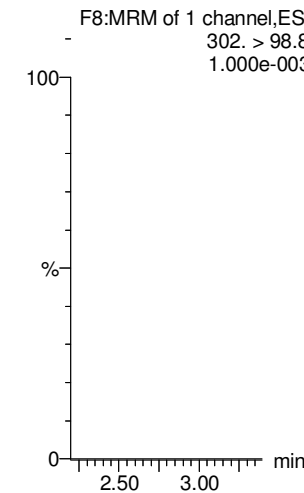
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Untitled

Last Altered: Wednesday, May 30, 2018 10:33:00 Pacific Daylight Time

Printed: Wednesday, May 30, 2018 10:33:23 Pacific Daylight Time

Name: 180529M1_12, Date: 29-May-2018, Time: 19:40:13, ID: IPA, Description: IPA

6:2 FTS

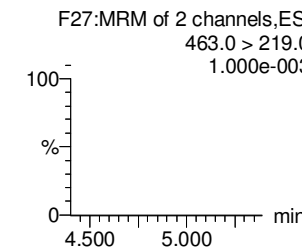
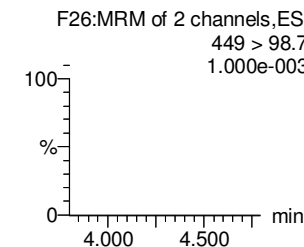
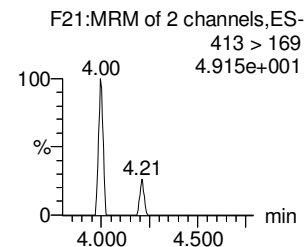
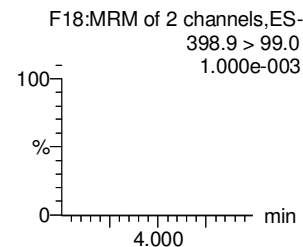
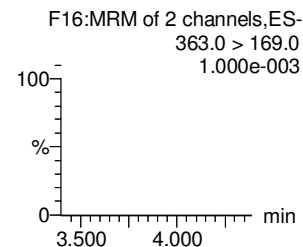
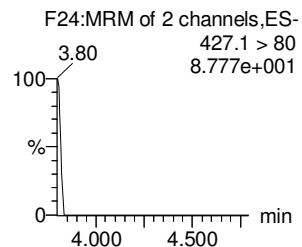
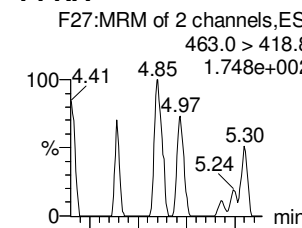
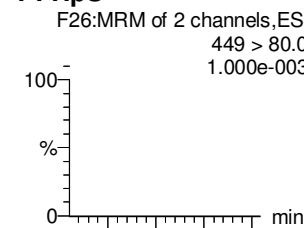
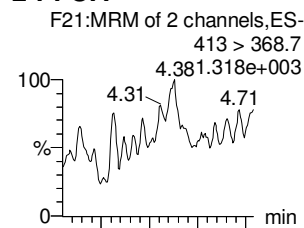
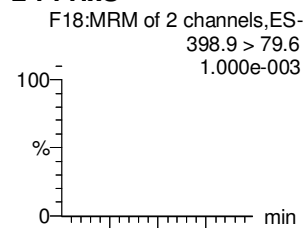
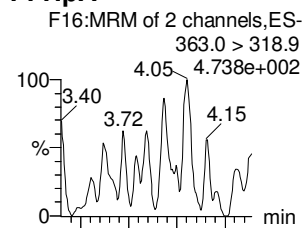
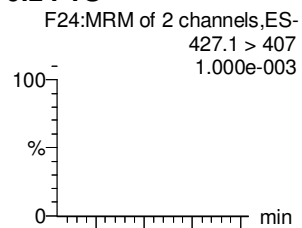
PFHpA

L-PFHxS

L-PFOA

PFHpS

PFNA



13C2-6:2 FTS

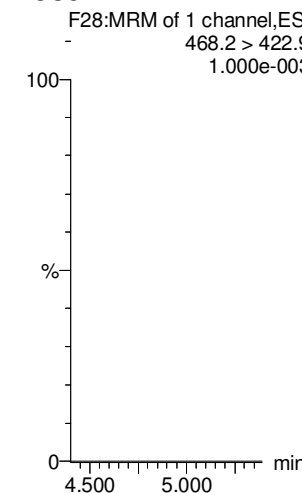
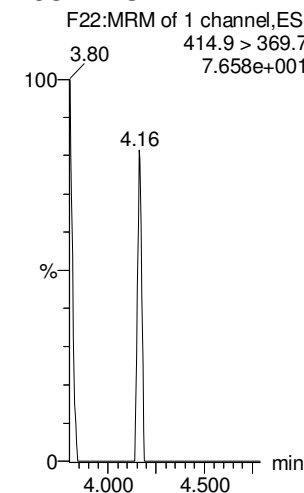
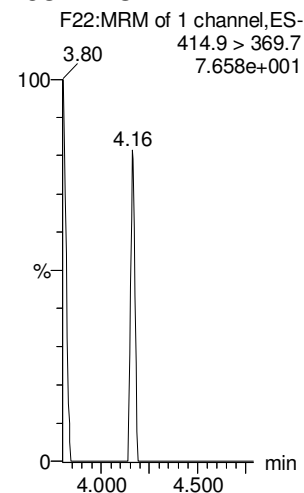
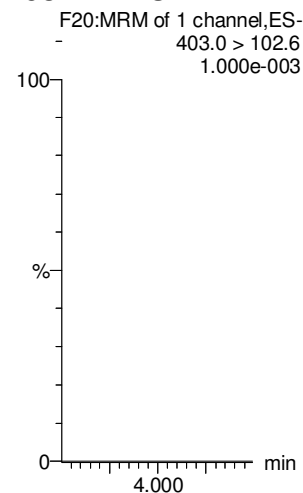
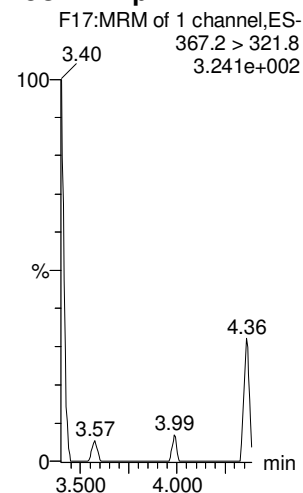
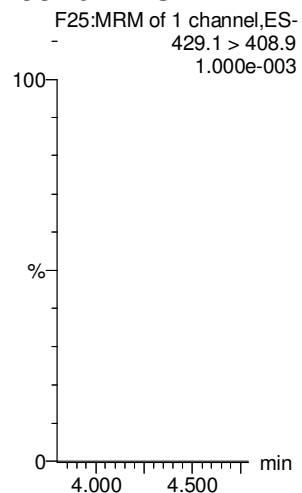
13C4-PFHpA

18O2-PFHxS

13C2-PFOA

13C2-PFOA

13C5-PFNA



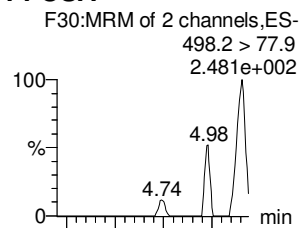
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Last Altered: Wednesday, May 30, 2018 10:33:00 Pacific Daylight Time

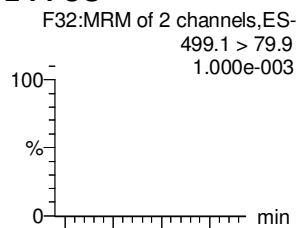
Printed: Wednesday, May 30, 2018 10:33:23 Pacific Daylight Time

Name: 180529M1_12, Date: 29-May-2018, Time: 19:40:13, ID: IPA, Description: IPA

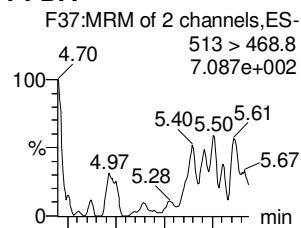
PFOSA



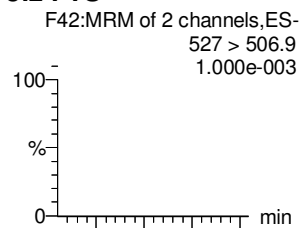
L-PFOS



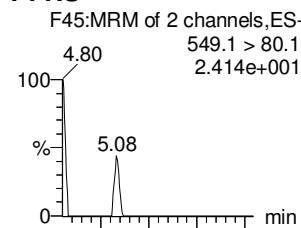
PFDA



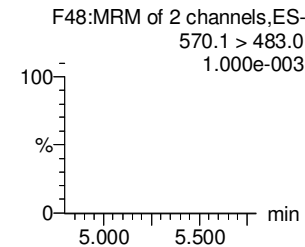
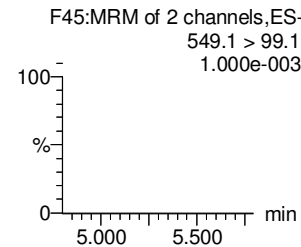
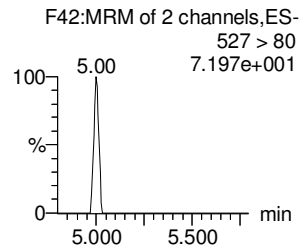
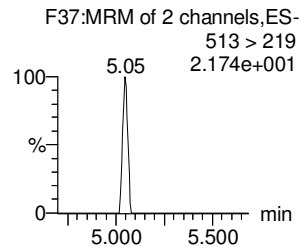
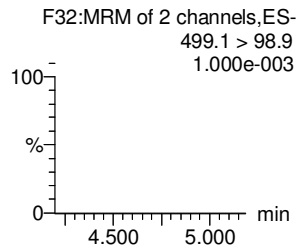
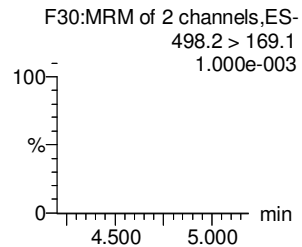
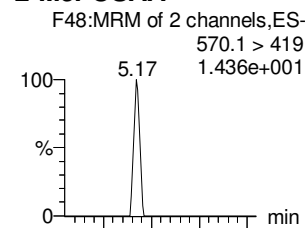
8:2 FTS



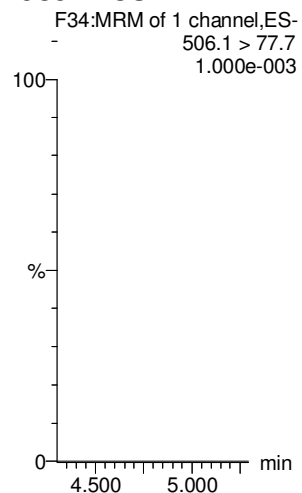
PFNS



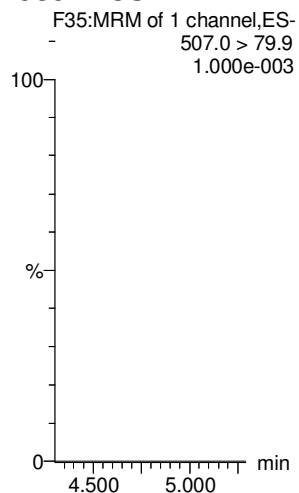
L-MeFOSAA



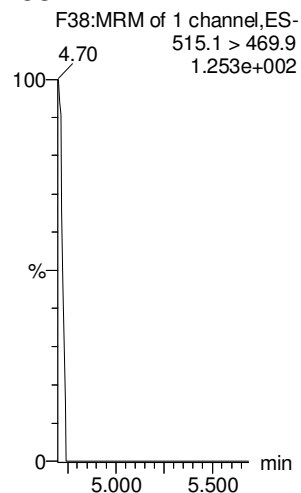
13C8-PFOSA



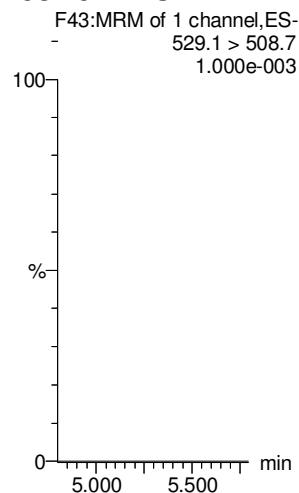
13C8-PFOS



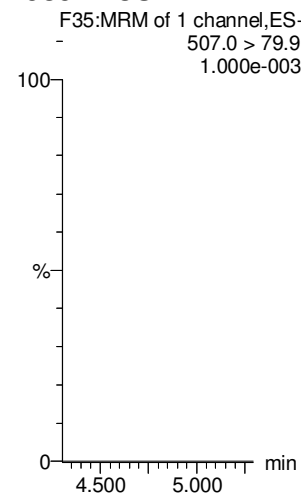
13C2-PFDA



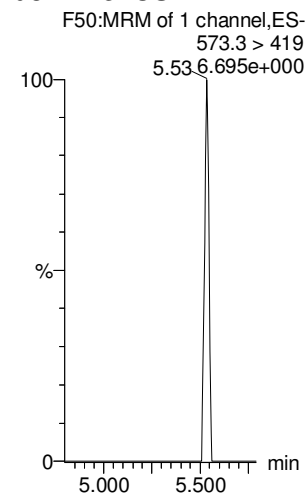
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



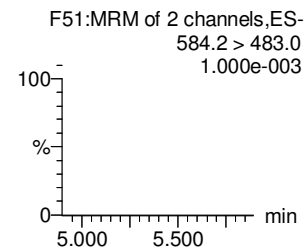
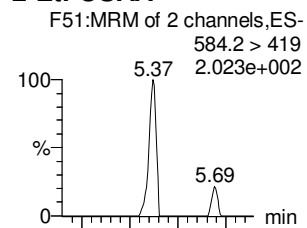
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Last Altered: Wednesday, May 30, 2018 10:33:00 Pacific Daylight Time

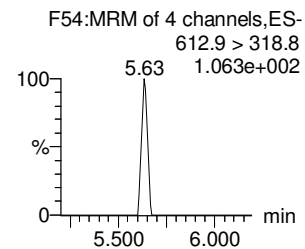
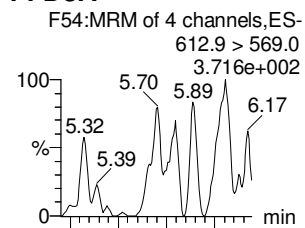
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Name: 180529M1_12, Date: 29-May-2018, Time: 19:40:13, ID: IPA, Description: IPA

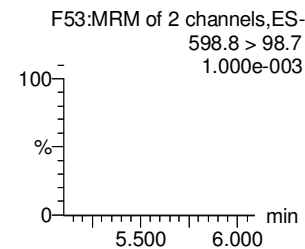
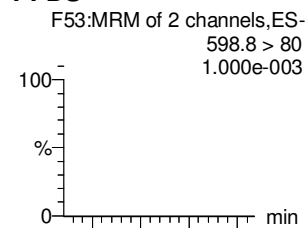
L-EtFOSAA



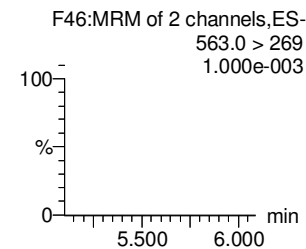
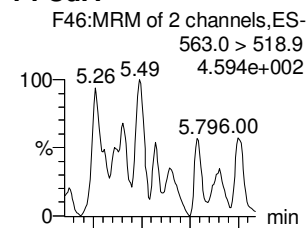
PFDoA



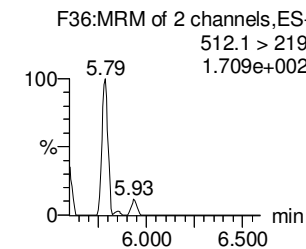
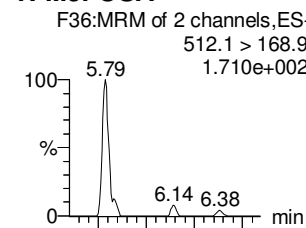
PFDS



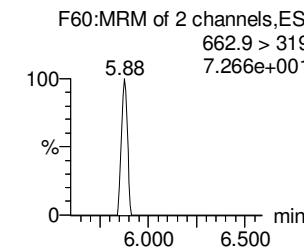
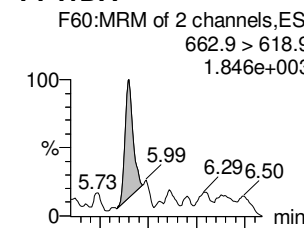
PFUdA



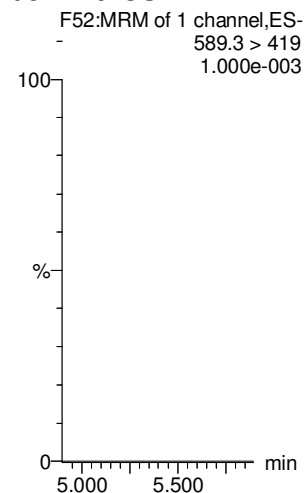
N-MeFOSA



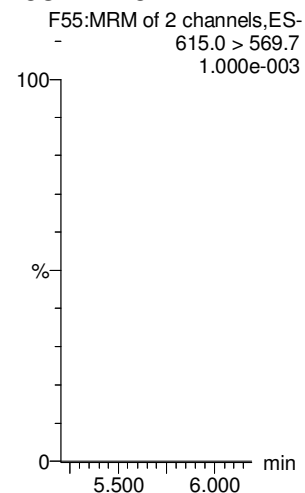
PFTrDA



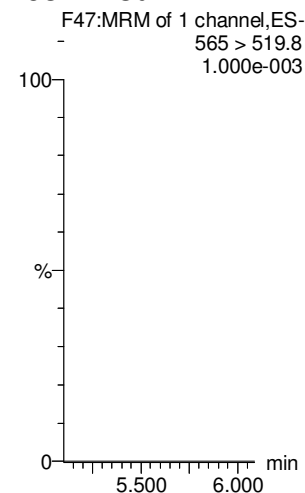
d5-N-EtFOSAA



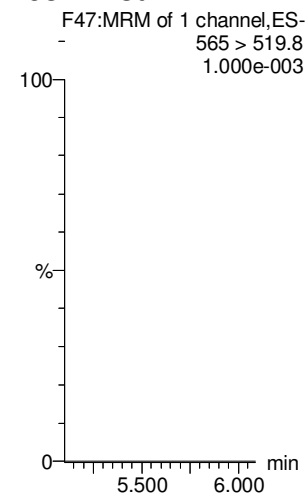
13C2-PFDoA



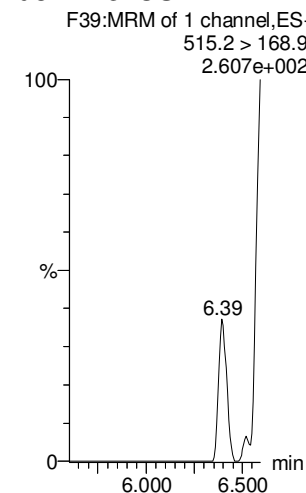
13C2-PFUdA



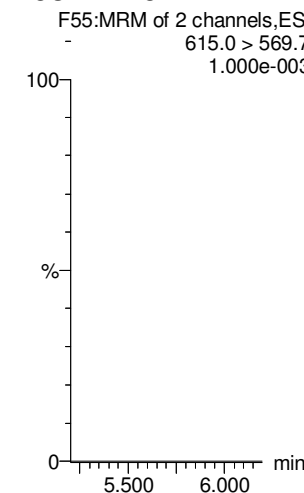
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



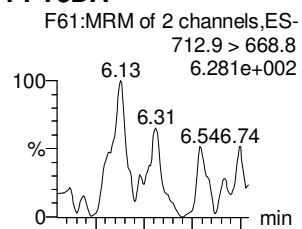
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Last Altered: Wednesday, May 30, 2018 10:33:00 Pacific Daylight Time

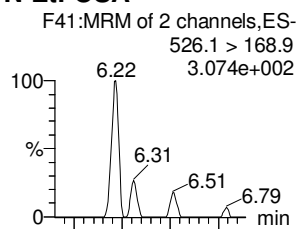
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Name: 180529M1_12, Date: 29-May-2018, Time: 19:40:13, ID: IPA, Description: IPA

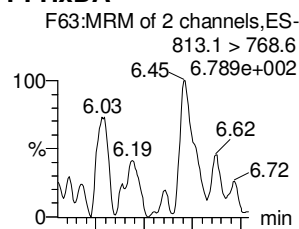
PFTeDA



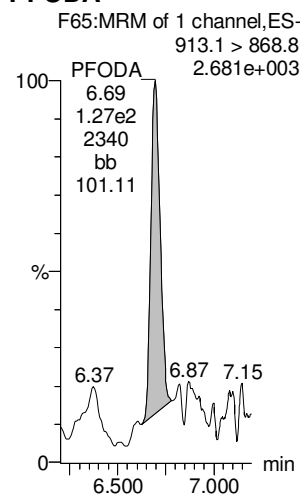
N-EtFOSA



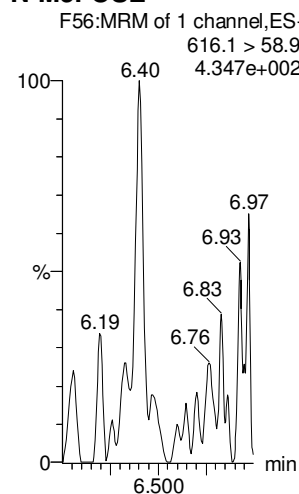
PFHxDA



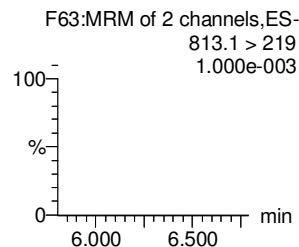
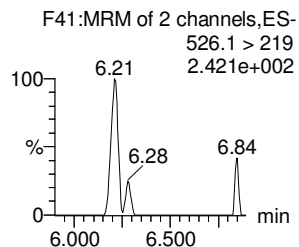
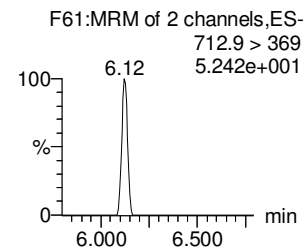
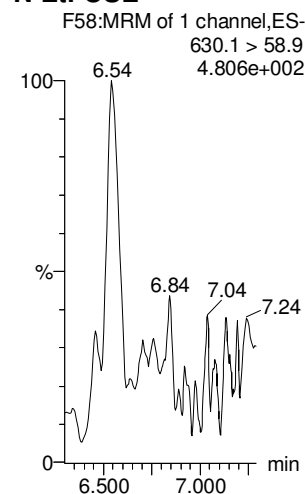
PFODA



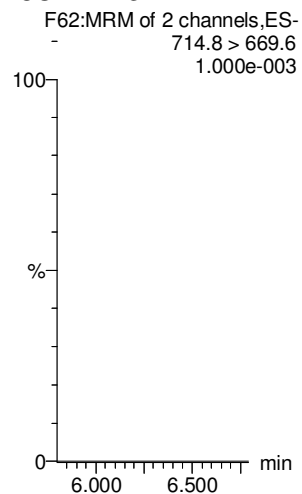
N-MeFOSE



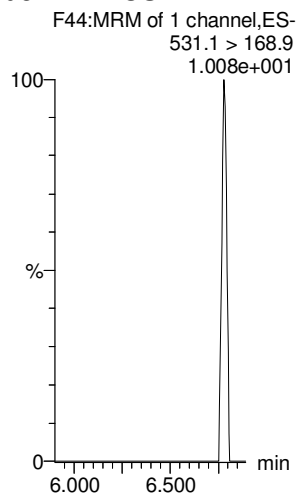
N-EtFOSE



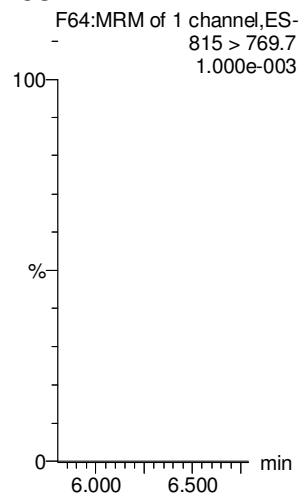
13C2-PFTeDA



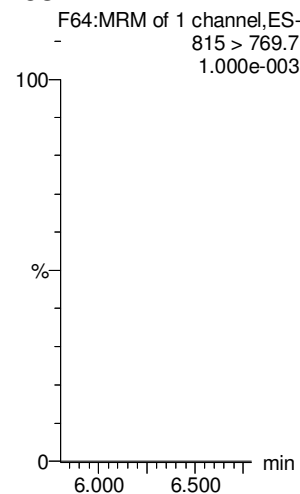
d5-N-ETFOSA



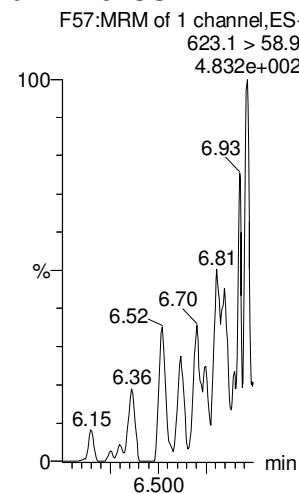
13C2-PFHxDA



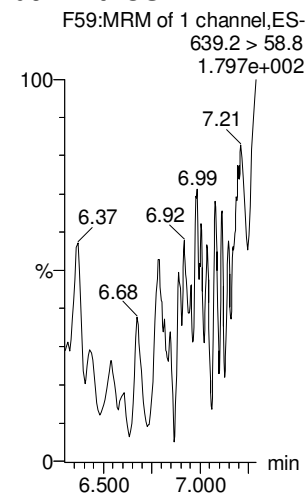
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



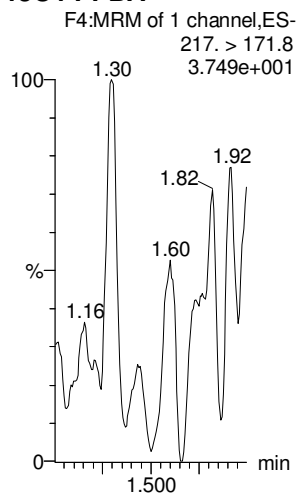
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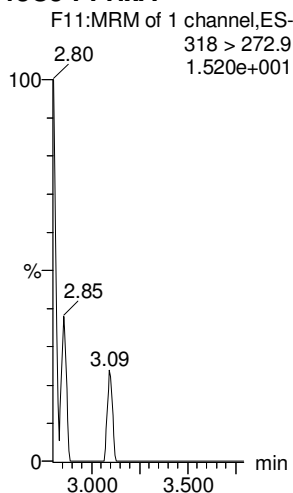
Printed: Wednesday, May 30, 2018 10:33:23 Pacific Daylight Time

Name: 180529M1_12, Date: 29-May-2018, Time: 19:40:13, ID: IPA, Description: IPA

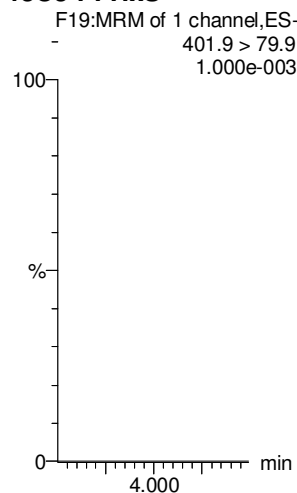
13C4-PFBA



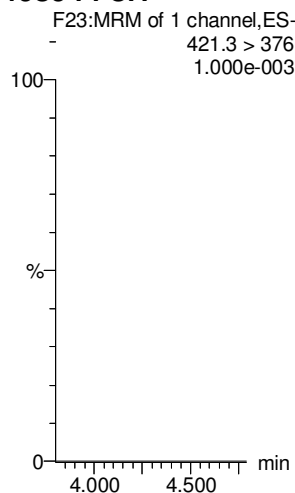
13C5-PFHxA



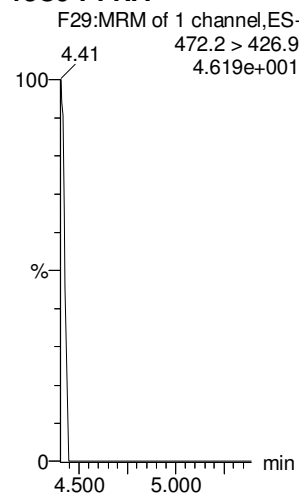
13C3-PFHxS



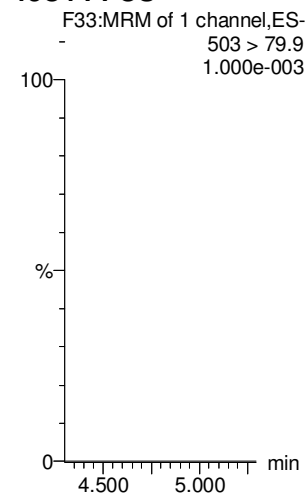
13C8-PFOA



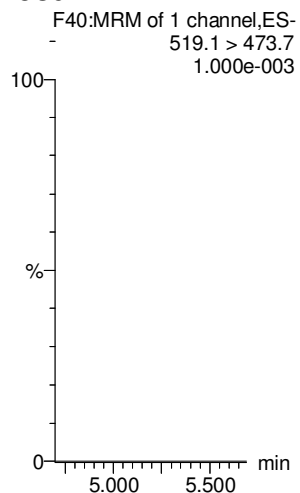
13C9-PFNA



13C4-PFOS



13C6-PFDA



13C7-PFUdA

