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NAVFAC
Naval Facilities Engineering Command

Groundwater Sample Results, Combined Level 2 and Level 4 Laboratory Report, Electronic Data Deliverable, Data Validation Report, and the Sample Location Report, SDG 1801486

Naval Weapons Industrial Reserve Plant Calverton
Riverhead, New York

August 2019

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED

July 20, 2018

Vista Work Order No. 1801486

Ms. Kristi Francisco
Tetra Tech
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502

Dear Ms. Francisco,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on June 28, 2018. This sample set was analyzed on a standard turn-around time, under your Project Name 'NWIRP Calverton/ 112G08005-WE05'. The SDG Number is 112G08005-WE05.

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.

SDG Number 112G08005-WE05
Vista Work Order No. 1801486
Case Narrative

Sample Condition on Receipt:

Nine surface water samples, one QC water sample and one groundwater sample 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

All samples except "SA-SW201-FRB-20180626" contained particulate and were 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). The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

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 were within the method acceptance criteria.

As requested, an MS/MSD was performed on sample "SA-SW201-20180626". The RPD for MeFOSAA was out of the acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1801486-01	FT-SW10-20180626	PFAS Isotope Dilution Method	13C2-PFTeDA	H	40.5
B8G0006-BS1	B8G0006-BS1	PFAS Isotope Dilution Method	13C8-PFOSA	H	49.3

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1801486-01	FT-SW10-20180626	26-Jun-18 08:10	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1801486-02	FT-SW12-20180626	26-Jun-18 16:00	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1801486-03	FT-SW13-20180626	26-Jun-18 15:45	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1801486-04	SW-DP01-20180626	26-Jun-18 15:00	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1801486-05	SW-DP02-20180626	26-Jun-18 13:54	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1801486-06	SA-SW201-20180626	MS/MSD26-Jun-18 07:25	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1801486-07	SA-SW201-FRB-20180626	26-Jun-18 07:25	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1801486-08	SA-SW204-20180626	26-Jun-18 07:45	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1801486-09	SA-SW301-20180626	26-Jun-18 16:50	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1801486-10	SA-DUP01-20180626	26-Jun-18 12:00	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
1801486-11	CA-AQIDW01-20180626	26-Jun-18 17:15	28-Jun-18 09:18	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
Matrix: Aqueous

Laboratory Data

Lab Sample: B8G0006-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFPeA	2706-90-3	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFBS	375-73-5	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFHxA	307-24-4	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFHpA	375-85-9	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFHxS	355-46-4	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
6:2 FTS	27619-97-2	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFOA	335-67-1	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFHpS	375-92-8	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFNA	375-95-1	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFOSA	754-91-6	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFOS	1763-23-1	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFDA	335-76-2	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
8:2 FTS	39108-34-4	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
MeFOSAA	2355-31-9	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
EtFOSAA	2991-50-6	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFUnA	2058-94-8	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFDS	335-77-3	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFDoA	307-55-1	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFTrDA	72629-94-8	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFTeDA	376-06-7	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.2	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C3-PFPeA	IS	99.9	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C3-PFBS	IS	101	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C2-PFHxA	IS	96.4	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C4-PFHpA	IS	103	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
18O2-PFHxS	IS	94.5	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C2-PFOA	IS	84.8	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C5-PFNA	IS	82.5	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C8-PFOSA	IS	64.3	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C8-PFOS	IS	87.7	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C2-PFDA	IS	74.6	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
d3-MeFOSAA	IS	94.1	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
d5-EtFOSAA	IS	101	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1

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

Client Data

Name: Tetra Tech Matrix: Aqueous

Project: NWIRP Calverton/ 112G08005-WE05

Laboratory Data

Lab Sample: B8G0006-BLK1 Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFUnA	IS	76.7	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C2-PFDoA	IS	77.4	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C2-PFTeDA	IS	91.1	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

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

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
Matrix: Aqueous

Laboratory Data

Lab Sample: B8G0006-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	33.2	40.0	83.0	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFPeA	2706-90-3	34.0	40.0	84.9	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFBS	375-73-5	34.8	40.0	87.1	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFHxA	307-24-4	33.3	40.0	83.1	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFHpA	375-85-9	34.1	40.0	85.2	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFHxS	355-46-4	32.2	40.0	80.5	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
6:2 FTS	27619-97-2	33.3	40.0	83.3	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFOA	335-67-1	34.3	40.0	85.8	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFHpS	375-92-8	39.1	40.0	97.8	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFNA	375-95-1	32.0	40.0	80.0	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFOSA	754-91-6	32.0	40.0	80.0	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFOS	1763-23-1	33.4	40.0	83.6	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFDA	335-76-2	32.4	40.0	81.1	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
8:2 FTS	39108-34-4	43.4	40.0	109	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
MeFOSAA	2355-31-9	36.2	40.0	90.5	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
EtFOSAA	2991-50-6	30.7	40.0	76.8	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFUnA	2058-94-8	32.1	40.0	80.2	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFDS	335-77-3	41.6	40.0	104	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFDoA	307-55-1	31.3	40.0	78.2	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFTrDA	72629-94-8	32.4	40.0	80.9	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFTeDA	376-06-7	34.0	40.0	84.9	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.6	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C3-PFPeA	IS	94.1	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C3-PFBS	IS	99.3	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C2-PFHxA	IS	92.1	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C4-PFHpA	IS	102	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
18O2-PFHxS	IS	88.8	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C2-PFOA	IS	90.0	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C5-PFNA	IS	82.7	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C8-PFOSA	IS	49.3	50- 150	H	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C8-PFOS	IS	90.7	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C2-PFDA	IS	77.6	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
d3-MeFOSAA	IS	72.0	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
d5-EtFOSAA	IS	72.2	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1

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

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
Matrix: Aqueous

Laboratory Data

Lab Sample: B8G0006-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFUnA	IS	66.7	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C2-PFDoA	IS	80.4	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C2-PFTeDA	IS	75.3	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1

Sample ID: FT-SW10-20180626

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 08:10

Laboratory Data

Lab Sample: 1801486-01
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	1.99	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFPeA	2706-90-3	1.59	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFBS	375-73-5	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFHxA	307-24-4	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFHpA	375-85-9	1.50	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFHxS	355-46-4	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
6:2 FTS	27619-97-2	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFOA	335-67-1	2.68	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFHpS	375-92-8	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFNA	375-95-1	2.91	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFOSA	754-91-6	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFOS	1763-23-1	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFDA	335-76-2	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
8:2 FTS	39108-34-4	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
MeFOSAA	2355-31-9	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
EtFOSAA	2991-50-6	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFUnA	2058-94-8	3.42	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFDS	335-77-3	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFDoA	307-55-1	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFTrDA	72629-94-8	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFTeDA	376-06-7	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	90.0	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C3-PFPeA	IS	93.1	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C3-PFBS	IS	103	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFHxA	IS	90.6	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C4-PFHpA	IS	89.1	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
18O2-PFHxS	IS	89.1	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFOA	IS	78.7	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C5-PFNA	IS	71.9	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C8-PFOSA	IS	71.8	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C8-PFOS	IS	73.2	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFDA	IS	74.6	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
d3-MeFOSAA	IS	62.9	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1

Sample ID: FT-SW10-20180626

PFAS Isotope Dilution Method

Client Data

Name:	Tetra Tech	Matrix:	Surface Water
Project:	NWIRP Calverton/ 112G08005-WE05	Date Collected:	26-Jun-18 08:10
SDG:	112G08005-WE05		

Laboratory Data

Lab Sample:	1801486-01	Column:	BEH C18
Date Received:	28-Jun-18 09:18		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	96.5	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFUnA	IS	75.4	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFDoA	IS	67.8	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFTeDA	IS	40.5	50 - 150	H	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: FT-SW12-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 16:00

Laboratory Data

Lab Sample: 1801486-02
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	5.44	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFPeA	2706-90-3	8.88	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFBS	375-73-5	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFHxA	307-24-4	9.63	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFHpA	375-85-9	8.63	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFHxS	355-46-4	27.2	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
6:2 FTS	27619-97-2	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFOA	335-67-1	27.0	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFHpS	375-92-8	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFNA	375-95-1	46.4	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFOSA	754-91-6	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFOS	1763-23-1	16.1	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFDA	335-76-2	2.96	1.41	2.56	4.10	J	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
8:2 FTS	39108-34-4	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
MeFOSAA	2355-31-9	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
EtFOSAA	2991-50-6	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFUnA	2058-94-8	11.8	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFDS	335-77-3	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFDoA	307-55-1	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFTrDA	72629-94-8	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFTeDA	376-06-7	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.8	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C3-PFPeA	IS	95.0	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C3-PFBS	IS	99.7	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFHxA	IS	88.8	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C4-PFHpA	IS	94.3	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
18O2-PFHxS	IS	84.3	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFOA	IS	95.5	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C5-PFNA	IS	78.6	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C8-PFOSA	IS	81.6	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C8-PFOS	IS	77.3	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFDA	IS	84.3	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
d3-MeFOSAA	IS	95.3	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1

Sample ID: FT-SW12-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 16:00

Laboratory Data

Lab Sample: 1801486-02
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	87.9	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFUnA	IS	85.4	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFDoA	IS	91.7	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFTeDA	IS	66.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: FT-SW13-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 15:45

Laboratory Data

Lab Sample: 1801486-03
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	4.57	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFPeA	2706-90-3	8.12	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFBS	375-73-5	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFHxA	307-24-4	7.75	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFHpA	375-85-9	7.34	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFHxS	355-46-4	17.2	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
6:2 FTS	27619-97-2	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFOA	335-67-1	21.5	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFHpS	375-92-8	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFNA	375-95-1	39.3	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFOSA	754-91-6	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFOS	1763-23-1	12.6	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFDA	335-76-2	1.41	1.33	2.42	3.88	J	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
8:2 FTS	39108-34-4	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
MeFOSAA	2355-31-9	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
EtFOSAA	2991-50-6	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFUnA	2058-94-8	6.06	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFDS	335-77-3	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFDoA	307-55-1	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFTrDA	72629-94-8	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFTeDA	376-06-7	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.8	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C3-PFPeA	IS	93.1	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C3-PFBS	IS	103	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFHxA	IS	94.6	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C4-PFHpA	IS	100	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
18O2-PFHxS	IS	95.0	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFOA	IS	91.0	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C5-PFNA	IS	79.6	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C8-PFOSA	IS	87.4	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C8-PFOS	IS	85.6	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFDA	IS	71.2	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
d3-MeFOSAA	IS	72.5	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1

Sample ID: FT-SW13-20180626

PFAS Isotope Dilution Method

Client Data

Name:	Tetra Tech	Matrix:	Surface Water
Project:	NWIRP Calverton/ 112G08005-WE05	Date Collected:	26-Jun-18 15:45
SDG:	112G08005-WE05		

Laboratory Data

Lab Sample:	1801486-03	Column:	BEH C18
Date Received:	28-Jun-18 09:18		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	99.6	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFUnA	IS	86.7	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFDoA	IS	74.2	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFTeDA	IS	67.7	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SW-DP01-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 15:00

Laboratory Data

Lab Sample: 1801486-04
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.13	1.41	2.56	4.10	J	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFPeA	2706-90-3	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFBS	375-73-5	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFHxA	307-24-4	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFHpA	375-85-9	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFHxS	355-46-4	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
6:2 FTS	27619-97-2	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFOA	335-67-1	3.02	1.41	2.56	4.10	J	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFHpS	375-92-8	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFNA	375-95-1	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFOSA	754-91-6	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFOS	1763-23-1	1.87	1.41	2.56	4.10	J	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFDA	335-76-2	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
8:2 FTS	39108-34-4	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
MeFOSAA	2355-31-9	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
EtFOSAA	2991-50-6	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFUnA	2058-94-8	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFDS	335-77-3	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFDoA	307-55-1	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFTrDA	72629-94-8	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFTeDA	376-06-7	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.9	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C3-PFPeA	IS	92.5	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C3-PFBS	IS	98.9	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFHxA	IS	89.6	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C4-PFHpA	IS	99.1	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
18O2-PFHxS	IS	93.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFOA	IS	82.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C5-PFNA	IS	86.6	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C8-PFOSA	IS	93.9	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C8-PFOS	IS	88.1	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFDA	IS	94.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
d3-MeFOSAA	IS	97.9	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1

Sample ID: SW-DP01-20180626

PFAS Isotope Dilution Method

Client Data

Name:	Tetra Tech	Matrix:	Surface Water
Project:	NWIRP Calverton/ 112G08005-WE05	Date Collected:	26-Jun-18 15:00
SDG:	112G08005-WE05		

Laboratory Data

Lab Sample:	1801486-04	Column:	BEH C18
Date Received:	28-Jun-18 09:18		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	113	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFUnA	IS	88.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFDoA	IS	96.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFTeDA	IS	103	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SW-DP02-20180626

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 13:54

Laboratory Data

Lab Sample: 1801486-05
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.13	1.43	2.60	4.17	J	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFPeA	2706-90-3	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFBS	375-73-5	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFHxA	307-24-4	1.56	1.43	2.60	4.17	J	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFHpA	375-85-9	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFHxS	355-46-4	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
6:2 FTS	27619-97-2	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFOA	335-67-1	1.49	1.43	2.60	4.17	J	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFHpS	375-92-8	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFNA	375-95-1	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFOSA	754-91-6	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFOS	1763-23-1	2.67	1.43	2.60	4.17	J	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFDA	335-76-2	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
8:2 FTS	39108-34-4	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
MeFOSAA	2355-31-9	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
EtFOSAA	2991-50-6	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFUnA	2058-94-8	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFDS	335-77-3	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFDoA	307-55-1	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFTrDA	72629-94-8	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFTeDA	376-06-7	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.2	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C3-PFPeA	IS	96.7	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C3-PFBS	IS	102	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFHxA	IS	94.4	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C4-PFHpA	IS	97.1	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
18O2-PFHxS	IS	98.5	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFOA	IS	85.4	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C5-PFNA	IS	84.9	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C8-PFOSA	IS	82.8	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C8-PFOS	IS	81.8	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFDA	IS	72.8	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
d3-MeFOSAA	IS	114	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1

Sample ID: SW-DP02-20180626

PFAS Isotope Dilution Method

Client Data

Name:	Tetra Tech	Matrix:	Surface Water
Project:	NWIRP Calverton/ 112G08005-WE05	Date Collected:	26-Jun-18 13:54
SDG:	112G08005-WE05		

Laboratory Data

Lab Sample:	1801486-05	Column:	BEH C18
Date Received:	28-Jun-18 09:18		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	117	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFUnA	IS	90.0	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFDoA	IS	92.9	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFTeDA	IS	108	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SA-SW201-20180626

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 07:25

Laboratory Data

Lab Sample: 1801486-06
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.69	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFPeA	2706-90-3	3.40	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFBS	375-73-5	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFHxA	307-24-4	3.33	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFHpA	375-85-9	2.95	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFHxS	355-46-4	3.28	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
6:2 FTS	27619-97-2	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFOA	335-67-1	6.79	1.35	2.47	3.95		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFHpS	375-92-8	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFNA	375-95-1	20.4	1.35	2.47	3.95		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFOSA	754-91-6	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFOS	1763-23-1	3.23	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFDA	335-76-2	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
8:2 FTS	39108-34-4	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
MeFOSAA	2355-31-9	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
EtFOSAA	2991-50-6	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFUnA	2058-94-8	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFDS	335-77-3	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFDoA	307-55-1	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFTrDA	72629-94-8	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFTeDA	376-06-7	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.1	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C3-PFPeA	IS	90.2	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C3-PFBS	IS	97.9	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFHxA	IS	90.1	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C4-PFHpA	IS	94.3	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
18O2-PFHxS	IS	86.7	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFOA	IS	87.7	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C5-PFNA	IS	83.4	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C8-PFOSA	IS	77.0	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C8-PFOS	IS	87.1	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFDA	IS	79.2	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
d3-MeFOSAA	IS	75.8	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1

Sample ID: SA-SW201-20180626

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 07:25

Laboratory Data

Lab Sample: 1801486-06
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	99.2	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFUnA	IS	82.7	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFDoA	IS	78.9	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFTeDA	IS	87.7	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SA-SW201-20180626 **PFAS Isotope Dilution Method**

Name:	Tetra Tech	Lab Sample:	B8G0006-MS1/B8G0006-MSD1	Source Lab Sample:	1801486-06
Project:	NWIRP Calverton/ 112G08005-WE05	QC Batch:	B8G0006	Date Extracted:	05-Jul-18
Matrix:	Aqueous	Samp Size:	0.248/0.248 L	Column:	BEH C18

Analyte	CAS Number	Sample (ng/L)	MS (ng/L)	MS Spike Amt	MS % Rec	MS Quals	MSD (ng/L)	MSD Spike Amt	MSD % Rec	RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFBA	375-22-4	3.69	38.1	40.3	85.4		38.8	40.4	86.8	1.63		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFPeA	2706-90-3	3.40	38.5	40.3	87.2		37.7	40.4	84.8	2.79		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFBS	375-73-5	ND	35.8	40.3	86.6		36.5	40.4	88.0	1.60		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFHxA	307-24-4	3.33	36.6	40.3	82.6		39.4	40.4	89.4	7.91		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFHpA	375-85-9	2.95	41.3	40.3	95.2		36.8	40.4	83.9	12.6		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFHxS	355-46-4	3.28	34.3	40.3	76.9		35.3	40.4	79.2	2.95		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
6:2 FTS	27619-97-2	ND	37.8	40.3	93.7		32.9	40.4	81.4	14.0		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFOA	335-67-1	6.79	42.6	40.3	88.7		39.5	40.4	81.0	9.07		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFHpS	375-92-8	ND	39.9	40.3	98.3		41.8	40.4	103	4.67		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFNA	375-95-1	20.4	60.0	40.3	98.3		52.1	40.4	78.6	22.3		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFOSA	754-91-6	ND	34.0	40.3	84.4		36.6	40.4	90.5	6.98		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFOS	1763-23-1	3.23	36.4	40.3	82.2		41.9	40.4	95.6	15.1		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFDA	335-76-2	ND	34.1	40.3	82.0		34.8	40.4	83.5	1.81		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
8:2 FTS	39108-34-4	ND	36.8	40.3	91.3		29.9	40.4	74.1	20.8		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
MeFOSAA	2355-31-9	ND	51.3	40.3	127		36.3	40.4	90.0	34.1	H	70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
EtFOSAA	2991-50-6	ND	30.0	40.3	74.3		31.6	40.4	78.1	4.99		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFUnA	2058-94-8	ND	35.7	40.3	85.3		34.8	40.4	83.0	2.73		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFDS	335-77-3	ND	46.3	40.3	115		45.0	40.4	111	3.54		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFDoA	307-55-1	ND	31.5	40.3	78.3		31.1	40.4	76.9	1.80		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFTrDA	72629-94-8	ND	32.9	40.3	81.6		35.8	40.4	88.7	8.34		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFTeDA	376-06-7	ND	35.8	40.3	89.0		32.4	40.4	80.3	10.3		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBA	IS	93.9		92.9		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C3-PFPeA	IS	96.8		92.7		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C3-PFBS	IS	102		98.1		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFHxA	IS	97.6		94.1		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C4-PFHpA	IS	95.4		99.8		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
18O2-PFHxS	IS	92.3		90.7		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFOA	IS	84.6		91.7		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C5-PFNA	IS	83.4		81.2		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C8-PFOSA	IS	98.0		95.3		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C8-PFOS	IS	96.0		89.9		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFDA	IS	79.1		79.4		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
d3-MeFOSAA	IS	93.0		101		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1

Sample ID: SA-SW201-20180626 **PFAS Isotope Dilution Method**

Name:	Tetra Tech	Lab Sample:	B8G0006-MS1/B8G0006-MSD1	Source Lab Sample:	1801486-06
Project:	NWIRP Calverton/ 112G08005-WE05	QC Batch:	B8G0006	Date Extracted:	05-Jul-18
Matrix:	Aqueous	Samp Size:	0.248/0.248 L	Column:	BEH C18

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
d5-EtFOSAA	IS	113		106		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFUnA	IS	88.0		86.2		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFDoA	IS	83.3		88.3		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFTeDA	IS	105		108		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1

Sample ID: SA-SW201-FRB-20180626

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: QC Water
Date Collected: 26-Jun-18 07:25

Laboratory Data

Lab Sample: 1801486-07
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFPeA	2706-90-3	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFBS	375-73-5	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFHxA	307-24-4	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFHpA	375-85-9	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFHxS	355-46-4	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
6:2 FTS	27619-97-2	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFOA	335-67-1	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFHpS	375-92-8	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFNA	375-95-1	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFOSA	754-91-6	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFOS	1763-23-1	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFDA	335-76-2	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
8:2 FTS	39108-34-4	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
MeFOSAA	2355-31-9	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
EtFOSAA	2991-50-6	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFUnA	2058-94-8	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFDS	335-77-3	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFDoA	307-55-1	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFTrDA	72629-94-8	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFTeDA	376-06-7	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	99.3	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C3-PFPeA	IS	101	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C3-PFBS	IS	104	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFHxA	IS	103	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C4-PFHpA	IS	108	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
18O2-PFHxS	IS	99.1	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFOA	IS	91.4	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C5-PFNA	IS	79.3	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C8-PFOSA	IS	56.4	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C8-PFOS	IS	87.9	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFDA	IS	84.5	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
d3-MeFOSAA	IS	76.5	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1

Sample ID: SA-SW201-FRB-20180626

PFAS Isotope Dilution Method

Client Data

Name:	Tetra Tech	Matrix:	QC Water
Project:	NWIRP Calverton/ 112G08005-WE05	Date Collected:	26-Jun-18 07:25
SDG:	112G08005-WE05		

Laboratory Data

Lab Sample:	1801486-07	Column:	BEH C18
Date Received:	28-Jun-18 09:18		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	77.3	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFUnA	IS	69.6	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFDoA	IS	80.8	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFTeDA	IS	81.4	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SA-SW204-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 07:45

Laboratory Data

Lab Sample: 1801486-08
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	4.59	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFPeA	2706-90-3	7.72	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFBS	375-73-5	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFHxA	307-24-4	6.77	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFHpA	375-85-9	6.18	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFHxS	355-46-4	5.96	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
6:2 FTS	27619-97-2	6.97	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFOA	335-67-1	8.07	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFHpS	375-92-8	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFNA	375-95-1	111	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFOSA	754-91-6	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFOS	1763-23-1	14.2	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFDA	335-76-2	2.79	1.38	2.52	4.04	J	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
8:2 FTS	39108-34-4	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
MeFOSAA	2355-31-9	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
EtFOSAA	2991-50-6	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFUnA	2058-94-8	8.17	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFDS	335-77-3	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFDoA	307-55-1	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFTrDA	72629-94-8	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFTeDA	376-06-7	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.1	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C3-PFPeA	IS	97.0	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C3-PFBS	IS	109	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFHxA	IS	87.7	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C4-PFHpA	IS	101	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
18O2-PFHxS	IS	99.2	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFOA	IS	89.5	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C5-PFNA	IS	85.5	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C8-PFOSA	IS	80.5	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C8-PFOS	IS	97.9	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFDA	IS	77.7	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
d3-MeFOSAA	IS	72.7	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1

Sample ID: SA-SW204-20180626

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 07:45

Laboratory Data

Lab Sample: 1801486-08
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	85.0	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFUnA	IS	84.4	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFDoA	IS	78.6	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFTeDA	IS	96.2	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SA-SW301-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 16:50

Laboratory Data

Lab Sample: 1801486-09
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.12	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFPeA	2706-90-3	1.74	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFBS	375-73-5	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFHxA	307-24-4	1.71	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFHpA	375-85-9	2.81	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFHxS	355-46-4	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
6:2 FTS	27619-97-2	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFOA	335-67-1	5.83	1.36	2.48	3.96		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFHpS	375-92-8	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFNA	375-95-1	53.2	1.36	2.48	3.96		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFOSA	754-91-6	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFOS	1763-23-1	3.56	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFDA	335-76-2	30.2	1.36	2.48	3.96		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
8:2 FTS	39108-34-4	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
MeFOSAA	2355-31-9	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
EtFOSAA	2991-50-6	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFUnA	2058-94-8	63.3	1.36	2.48	3.96		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFDS	335-77-3	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFDoA	307-55-1	2.62	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFTrDA	72629-94-8	4.20	1.36	2.48	3.96		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFTeDA	376-06-7	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.9	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C3-PFPeA	IS	94.2	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C3-PFBS	IS	99.7	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFHxA	IS	90.8	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C4-PFHpA	IS	92.3	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
18O2-PFHxS	IS	108	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFOA	IS	87.7	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C5-PFNA	IS	80.5	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C8-PFOSA	IS	80.5	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C8-PFOS	IS	90.9	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFDA	IS	82.6	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
d3-MeFOSAA	IS	82.9	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1

Sample ID: SA-SW301-20180626 **PFAS Isotope Dilution Method**

Client Data

Name:	Tetra Tech	Matrix:	Surface Water
Project:	NWIRP Calverton/ 112G08005-WE05	Date Collected:	26-Jun-18 16:50
SDG:	112G08005-WE05		

Laboratory Data

Lab Sample:	1801486-09	Column:	BEH C18
Date Received:	28-Jun-18 09:18		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	94.7	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFUnA	IS	81.7	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFDoA	IS	93.5	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFTeDA	IS	81.3	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SA-DUP01-20180626

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 12:00

Laboratory Data

Lab Sample: 1801486-10
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	2.98	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFPeA	2706-90-3	1.56	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFBS	375-73-5	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFHxA	307-24-4	1.78	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFHpA	375-85-9	2.42	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFHxS	355-46-4	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
6:2 FTS	27619-97-2	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFOA	335-67-1	6.46	1.39	2.54	4.07		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFHpS	375-92-8	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFNA	375-95-1	56.6	1.39	2.54	4.07		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFOSA	754-91-6	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFOS	1763-23-1	2.93	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFDA	335-76-2	28.2	1.39	2.54	4.07		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
8:2 FTS	39108-34-4	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
MeFOSAA	2355-31-9	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
EtFOSAA	2991-50-6	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFUnA	2058-94-8	70.2	1.39	2.54	4.07		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFDS	335-77-3	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFDoA	307-55-1	2.60	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFTrDA	72629-94-8	3.84	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFTeDA	376-06-7	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.6	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C3-PFPeA	IS	90.3	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C3-PFBS	IS	98.4	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFHxA	IS	90.2	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C4-PFHpA	IS	92.8	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
18O2-PFHxS	IS	89.4	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFOA	IS	84.1	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C5-PFNA	IS	74.4	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C8-PFOSA	IS	80.4	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C8-PFOS	IS	81.6	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFDA	IS	75.4	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
d3-MeFOSAA	IS	91.5	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1

Sample ID: SA-DUP01-20180626

PFAS Isotope Dilution Method

Client Data

Name:	Tetra Tech	Matrix:	Surface Water
Project:	NWIRP Calverton/ 112G08005-WE05	Date Collected:	26-Jun-18 12:00
SDG:	112G08005-WE05		

Laboratory Data

Lab Sample:	1801486-10	Column:	BEH C18
Date Received:	28-Jun-18 09:18		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	97.2	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFUnA	IS	78.9	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFDoA	IS	78.9	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFTeDA	IS	94.5	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: CA-AQIDW01-20180626

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Groundwater
Date Collected: 26-Jun-18 17:15

Laboratory Data

Lab Sample: 1801486-11
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFPeA	2706-90-3	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFBS	375-73-5	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFHxA	307-24-4	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFHpA	375-85-9	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFHxS	355-46-4	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
6:2 FTS	27619-97-2	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFOA	335-67-1	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFHpS	375-92-8	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFNA	375-95-1	2.01	1.35	2.46	3.94	J	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFOSA	754-91-6	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFOS	1763-23-1	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFDA	335-76-2	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
8:2 FTS	39108-34-4	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
MeFOSAA	2355-31-9	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
EtFOSAA	2991-50-6	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFUnA	2058-94-8	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFDS	335-77-3	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFDoA	307-55-1	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFTrDA	72629-94-8	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFTeDA	376-06-7	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.9	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C3-PFPeA	IS	93.5	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C3-PFBS	IS	103	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFHxA	IS	91.8	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C4-PFHpA	IS	94.9	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
18O2-PFHxS	IS	109	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFOA	IS	88.9	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C5-PFNA	IS	89.6	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C8-PFOSA	IS	75.8	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C8-PFOS	IS	87.1	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFDA	IS	82.6	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
d3-MeFOSAA	IS	92.4	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1

Sample ID: CA-AQIDW01-20180626

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Groundwater
Date Collected: 26-Jun-18 17:15

Laboratory Data

Lab Sample: 1801486-11
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	89.4	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFUnA	IS	87.5	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFDoA	IS	94.5	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFTeDA	IS	88.1	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

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.

TETRA TECH

CHAIN OF CUSTODY

NO. 001

1801486

2.2°C

Project No:	Facility:	Project Manger:	Phone:	Laboratory Name and Contact:
112G08005-WE05	NWIRP Calverton	Kristi Francisco/Ernie Wu	757-466-4902/757-466-4901	Vista Analytical Jade White-Dobbs

Samplers:	Field Ops. Leader:	Phone:	Address:
Jacob Birkett Beau Benfield	Jacob Birkett	757-814-9916	1104 Windfield Way
	Fed Ex Airbill Number: 8131 5224 5713		City, State, Zip: El Dorado Hills, CA 95762

Container Type: Plastic (P) or Glass (G)										P									
Preservative Used:										None									
Date Year: 2018	Time	Sample ID	Location ID	Top Depth (FT)	Bottom Depth (FT)	Matrix (GW, SO, SW, QC)	Grab, Composite (G, C)	Total No. of Containers	ANALYSIS	PFAS 537 modified (21 compounds)									Comments
6/26	0810	FT-SW10-20180626	SW10	--	--	SW	G	2		2	--	--	--	--	--	--	--		
6/26	1600	FT-SW12-20180626	SW12	--	--	SW	G	2		2	--	--	--	--	--	--	--		
6/26	1545	FT-SW13-20180626	SW13	--	--	SW	G	2		2	--	--	--	--	--	--	--		
6/26	1500	SW-DP01-20180626	DP01	--	--	SW	G	2		2	--	--	--	--	--	--	--		
6/26	1354	SW-DP02-20180626	DP02	--	--	SW	G	2		2	--	--	--	--	--	--	--		
6/26	~~0745~~ 0725	SA-SW201-20180626	SW201	--	--	SW	G	6		2	--	--	--	--	--	--	--		Run MS/MSD
6/26	~~0745~~ 0725	SA-SW201-FRB-20180626	SW201	--	--	QA	G	2		2	--	--	--	--	--	--	--		FRB
6/26	0745	SA-SW204-20180626	SW204	--	--	SW	G	2		2	--	--	--	--	--	--	--		
6/26	1650	SA-SW301-20180626	SW301	--	--	SW	G	2		2	--	--	--	--	--	--	--		
6/26	1200	SA-DUP01-20180626	--	--	--	SW	G	2		2	--	--	--	--	--	--	--		Duplicate
6/26	1715	CA-AQIDW01-20180626	--	--	--	GW	G	2		2	--	--	--	--	--	--	--		IDW sample of treated water

1. Relinquished By:	Date:	Time:	1. Received By:	Date:	Time:
Jacob Birkett	~~06/26/18~~ 6-27-18	1700	FedEx		
2. Relinquished By: FedEx	Date: 06/28/18	Time: 0918	2. Received By:	Date: 06/28/18	Time: 0924

Comments:

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1801486 **TAT** Std

Samples Arrival:	**Date/Time** 06/28/18 0918	**Initials:** WWS	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 06/28/18 1104	**Initials:** KE	**Location:** WR-2 **Shelf/Rack:** B4

Delivered By:	(FedEx)	UPS	On Trac	GSO	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Dry Ice		None

Temp °C: 2.3	(uncorrected)	**Time:** 0923	**Thermometer ID:** IR-4
Temp °C: 2.2	(corrected)	**Probe used:** Yes☐ No☑	

	YES	NO	NA
Adequate Sample Volume Received?	KE		
Holding Time Acceptable?	KE		
Shipping Container(s) Intact?	WWS		
Shipping Custody Seals Intact?	WWS		
Shipping Documentation Present?	WWS		
Airbill — Trk # 8131 5224 5713	WWS		
Sample Container Intact?	KE		
Sample Custody Seals Intact?			KE
Chain of Custody / Sample Documentation Present?	WWS		
COC Anomaly/Sample Acceptance Form completed?			KE
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			KE

Preservation Documented:	$Na_2S_2O_3$	Trizma	None		Yes	No	(NA)
Shipping Container	(Vista)	Client	Retain	Return		Dispose	

Comments:

SAMPLE LABEL ID:
SA-SWDUP01-20180626

COC ID.
SA-DUP01-20180626

EXTRACTION INFORMATION

Process Sheet

Workorder: 1801486

Prep Expiration: 2018-Jul-10
Client: Tetra Tech

Workorder Due: 19-Jul-18 00:00
TAT: 21

Method: **537M PFAS DOD (LOQ as mRL)**
Matrix: **Aqueous**

Prep Batch: B8G0006

Prep Data Entered: MY 7/6/18
Date and Initials

Version: Bethpage (21 Analytes)
DoD: DoD QSM 5.1

Initial Sequence: S8G0041

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1801486-01	A	☑	☑	FT-SW10-20180626		WR-2 B-4	HDPE Bottle, 250 mL
1801486-02		☑	☑	FT-SW12-20180626		WR-2 B-4	HDPE Bottle, 250 mL
1801486-03		☑	☑	FT-SW13-20180626		WR-2 B-4	HDPE Bottle, 250 mL
1801486-04		☑	☑	SW-DP01-20180626		WR-2 B-4	HDPE Bottle, 250 mL
1801486-05		☑	☑	SW-DP02-20180626		WR-2 B-4	HDPE Bottle, 250 mL
1801486-06	A,B,C	☑	☑	SA-SW201-20180626	**MS/MSD**	WR-2 B-4	HDPE Bottle, 250 mL
1801486-07	A	☑	☑	SA-SW201-FRB-20180626		WR-2 B-4	HDPE Bottle, 250 mL
1801486-08		☑	☑	SA-SW204-20180626		WR-2 B-4	HDPE Bottle, 250 mL
1801486-09		☑	☑	SA-SW301-20180626		WR-2 B-4	HDPE Bottle, 250 mL
1801486-10		☐	☐	SA-DUP01-20180626	"SA-SW-Dup01-20180626"	WR-2 B-4	HDPE Bottle, 250 mL
1801486-11		☑	☑	CA-AQIDW01-20180626		WR-2 B-4	HDPE Bottle, 250 mL

Sample # 10 may not reconcile w/ COC ID - okay to proceed w/ analysis. (JW) 6/28/18

WO Comments: **Provide all analytical runs.**
MS/MSD per batch, if MS/MSD is not provided - LCS/LCSD.

Pre-Prep Check Out: FR 7.3.18
Pre-Prep Check In: FR 7.3.18

Prep Check Out: FR 7.5.18
Prep Check In: NA

Prep Reconciled Initals/Date: FR 7.3.18
Spike Reconciled Initals/Date: HN 7/5/18
VialBoxID: primetime

Internal Chain of Custody

1801486

Vista Analytical Laboratory

Client: Tetra Tech | Project Number: NWIRP Calverton/ | Received: 28-Jun-18 09:18 | Received By: Marissa N. Sparks

		Sample				Extract	
Vista Sample ID	Bottle	Initials Date/Time New Location	Initials Date/Time New Location	Initials Date/Time New Location	Initials Date/Time New Location	Initials Date/Time New Location	Initials Date/Time New Location
1801486-01	A/B	KE 06/28/18 1400 WR-2 B-4 (TRAY)	7R ~~6~~ 7R 7-3-18 7.3.18 11:10 Prep Lab 1	7R 7.3.18 14:30 WR-2 backwall (tray)	7R 7.5.18 7:55 Prep Lab 1	CM 7/1 8/18 1456 Instrument	
1801486-02	A/B	KE 06/28/18 1400 WR-2 B-4 (TRAY)	↓	↓	↓	↓	
1801486-03	A/B	KE 06/28/18 1400 WR-2 B-4 (TRAY)					
1801486-04	A/B	KE 06/28/18 1400 WR-2 B-4 (TRAY)					
1801486-05	A/B	KE 06/28/18 1400 WR-2 B-4 (TRAY)					
1801486-06	A/B	KE 06/28/18 1400 WR-2 B-4 (TRAY)					
1801486-07	A/B	KE 06/28/18 1400 WR-2 B-4 (ON SHELF)					
1801486-08	A/B	KE 06/28/18 1400 WR-2 B-4 (TRAY)					
1801486-09	A/B	KE 06/28/18 1400 WR-2 B-4 (TRAY)					
1801486-10	A/B	KE 06/28/18 1400 WR-2 B-4 (TRAY)					
1801486-11	A/B	KE 06/28/18 1400 WR-2 B-4 (ON SHELF)	↓	↓	↓	↓	

Note in grid if sample or extract are depleted. See Login Checlist for initial location.

Page 1 of 1

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8G0006

Chemist: 7R

Prep Date: 7.5.18

Prep Time: 9:10

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: 7/03 18 HB 7R | BalanceID: HRMS-8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g) 7/6/18 ST	Sample Amt. (L) 7/6/18 ST	IS/NS CHEM/WIT DATE	Supelco ENVI-Carb SPE Lot: 10186603	RS CHEM/WIT DATE
☐	B8G0006-BLK1	5	2	0	2	NA	NA	(0.250)	7R HN 7.5.18	7R 7.5.18	7R HN 7.5.18
☐	B8G0006-BS1	5	2	0	2	↓	↓	(0.250)	↓	↓	↓
☒	B8G0006-MS1 (A)(C)(D) 1801486-06	4	2	0	2 7R 7.5.18	~~278.07~~ 275.88	27.69	0.24814	✓		
☒	B8G0006-MSD1 (A)(C)(D) 1801486-06	4	2	0	2 7R 7.5.18	~~277.55~~ 275.29	27.53	0.24776	✓		
☒	1801486-01 (B)(F)(E)(D)(G)	5	2	0	2	274.45	27.40	~~0.247.05~~ 7/6/18 ST	0.24705 ✓		
☒	1801486-02 (D)	4	2	0	2	271.16	27.42	0.24374	✓		
☒	1801486-03 (D)	4	2	0	2	285.44	27.43	0.25801	✓		
☒	1801486-04 (A)(B)(C)(D)	4	2	0	2	~~273.23~~ 271.22	27.61	0.24361	✓		
☒	1801486-05 (A)(D)(E)	4	2	0	2 7.5.18	266.84	26.91	0.23993	✓		
☒	1801486-06 (A)(C)(D)	4	2	0	2 7R 7.5.18	~~282.67~~ 280.67	27.65	0.25302	✓		
☐	1801486-07	4	2	0	2 7R 7.5.18	289.89	26.94	0.26295	✓		
☒	1801486-08 (A)(C)(D)	4	2	0	2 7R 7.5.18	~~277.11~~ 275.25	27.69	0.24756	✓		
☒	1801486-09 (A)(D)(E)	4	2	0	2	279.98	27.77	0.25221	✓		
☒	1801486-10 (A)(D)(E)	4	2	0	2	272.94	26.94	0.24600	✓		
☐	1801486-11	6	2	0	4	281.80	27.69	0.25411			
☐	1801501-09	4	2	0	2	146.22	26.74	0.11948	↓	↓	↓

IS: 18F0405, 10µL (V6)

IS SUP: NA

NS: 18F2025, 10µL (V4)

RS: 18F0406, 10µL (V6)

SPE Chem: Strata X-AW 33µm 200mg 6mL

Ele SOLV: MeOH/0.5% NH4OH in MeOH

Final Volume(s): 1 mL

Notes:
(A) sample centrifuged, but water still deeply colored; no more particulate centrifuged out. HB 7/03/18
(B) Sample was centrifuged twice 7R 7.3.18
(C) Sample had a dark brown percipitate after being taken out of WR-2. Sample was centrifuged again. 7R 7.5.18
(D) Sample was foamy after being shaken 7R 7.5.18
(E) Sample clogged the cartridge. An additional cartridge was used to continue SPE. Eluates were later recombined with corresponding samples using Vault vials 7R 7.5.18

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8G0006

Chemist: 7R

Prep Date: 7.5.18

Prep Time: 9:10

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: HB 7/03/18 7R | BalanceID: HRMS-8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g) 7/6/18 ST	Sample Amt. (L) 7/6/18 ST	IS/NS CHEM/WIT DATE	Supelco ENVI-Carb SPE Lot: 10186603	RS CHEM/WIT DATE
☐	1801502-06	4	2	0	2	142.51	26.66	0.11585	7R HN 7.5.18	7R 7.5.18	7R MY 7.5.18
☐	1801502-13	4	2	0	2	147.50	26.70	0.12080	↓	↓	↓

IS: 18F0405, 10µL (V6)

IS SUP: NA

NS: 18F2025, 10µL (V4)

RS: 18F0406, 10µL (V6)

SPE Chem: Strata X-AW 33µm 200mg/6mL

Ele SOLV: MeOH/0.5% NH4OH in MeOH

Final Volume(s) 1mL

Notes: (G) Vacuum was used to simulate a gravity drip during elution for sample 7R 7.5.18

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

Batch: B8G0006

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1801486-01	0.24705✓	NA	NA	1000	05-Jul-18 09:10	FBR			Surface Water	537M PFAS DOD (LOQ as
1801486-02	0.24374✓	↓	↓	1000	05-Jul-18 09:10	FBR			Surface Water	537M PFAS DOD (LOQ as
1801486-03	0.25801✓			1000	05-Jul-18 09:10	FBR			Surface Water	537M PFAS DOD (LOQ as
1801486-04	0.24361✓			1000	05-Jul-18 09:10	FBR			Surface Water	537M PFAS DOD (LOQ as
1801486-05	0.23993✓			1000	05-Jul-18 09:10	FBR			Surface Water	537M PFAS DOD (LOQ as
1801486-06	0.25302✓			1000	05-Jul-18 09:10	FBR			Surface Water	537M PFAS DOD (LOQ as
1801486-07	0.26295✓			1000	05-Jul-18 09:10	FBR			QC Water	537M PFAS DOD (LOQ as
1801486-08	0.24756✓			1000	05-Jul-18 09:10	FBR			Surface Water	537M PFAS DOD (LOQ as
1801486-09	0.25221✓			1000	05-Jul-18 09:10	FBR			Surface Water	537M PFAS DOD (LOQ as
1801486-10	0.246✓			1000	05-Jul-18 09:10	FBR			Surface Water	537M PFAS DOD (LOQ as
1801486-11	0.25411✓			1000	05-Jul-18 09:10	FBR			Groundwater	537M PFAS DOD (LOQ as
1801501-09	0.11948✓			1000	05-Jul-18 09:10	FBR			QC Water	537M PFAS DOD (LOQ as
1801502-06	0.11585✓			1000	05-Jul-18 09:10	FBR			QC Water	537M PFAS DOD (LOQ as
1801502-13	0.1208✓			1000	05-Jul-18 09:10	FBR			QC Water	537M PFAS DOD (LOQ as
B8G0006-BLK1	0.25✓			1000	05-Jul-18 09:10	FBR				QC
B8G0006-BS1	0.25✓			1000	05-Jul-18 09:10	FBR	18F2025✓	10✓		QC
B8G0006-MS1	0.24814✓			1000	05-Jul-18 09:10	FBR	18F2025✓	10✓		QC
B8G0006-MSD1	0.24776✓	↓	↓	1000	05-Jul-18 09:10	FBR	18F2025✓	10✓		QC

ny 7/6/18

Sample Data – PFAS Isotope Dilution Method

Vista Analytical Laboratory

MMM 7/17/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-60.qld

Last Altered: Tuesday, July 17, 2018 15:15:35 Pacific Daylight Time
Printed: Tuesday, July 17, 2018 15:16:18 Pacific Daylight Time

Name: 180713M2_60, Date: 14-Jul-2018, Time: 02:39:35, ID: B8G0006-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8		6.74e3	0.250							
2	2	PFPeA	263.1 > 218.9		8.50e3	0.250							
3	3	PFBS	299.0 > 79.7		1.04e3	0.250							
4	4	4:2 FTS	327.2>307.2		1.87e3	0.250							
5	5	PFHxA	313.2 > 268.9		2.48e3	0.250							
6	36	13C3-PFBA	216.1 > 171.8	6.74e3	7.57e3	0.250	0.891	1.34	11.1	48.6244	97.2		
7	37	13C3-PFPeA	266. > 221.8	8.50e3	8.61e3	0.250	0.988	2.33	12.3	49.9508	99.9		
8	38	13C3-PFBS	302. > 98.8	1.04e3	8.61e3	0.250	0.121	2.63	1.51	50.4318	100.9		
9	39	13C2-4:2 FTS	329.2>308.9	1.87e3	8.61e3	0.250	0.217	3.04	2.71	44.8809	89.8		
10	40	13C2-PFHxA	315 > 269.8	2.48e3	8.61e3	0.250	0.719	3.12	3.60	19.2832	96.4		
11	-1												
12	6	PFPeS	349.1>80.1		1.04e3	0.250							
13	7	PFHpA	363.0 > 318.9		7.18e3	0.250							
14	8	L-PFHxS	398.9 > 79.6	1.96e-1	8.21e2	0.250	0.000	3.90	0.00298	0.2466		0.0310	YES
15	68	Total PFHxS	398.9 > 79.6	1.96e-1	8.21e2	0.250			0.00298	0.2466			
16	10	6:2 FTS	427.1 > 407		1.83e3	0.250							
17	38	13C3-PFBS	302. > 98.8	1.04e3	8.61e3	0.250	0.121	2.63	1.51	50.4318	100.9		
18	41	13C4-PFHpA	367.2 > 321.8	7.18e3	8.61e3	0.250	0.834	3.74	10.4	51.4279	102.9		
19	42	18O2-PFHxS	403.0 > 102.6	8.21e2	2.13e3	0.250	0.386	3.89	4.83	47.2367	94.5		
20	42	18O2-PFHxS	403.0 > 102.6	8.21e2	2.13e3	0.250	0.386	3.89	4.83	47.2367	94.5		
21	43	13C2-6:2 FTS	429.1 > 408.9	1.83e3	9.47e3	0.250	0.193	4.20	2.41	45.3553	90.7		
22	-1												
23	11	L-PFOA	413 > 368.7		7.60e3	0.250							
24	69	Total PFOA	413 > 368.7	0.00e0	7.60e3	0.250			0.000				
25	13	PFHpS	449 > 80.0		2.39e3	0.250							
26	16	L-PFOS	499.1 > 79.9		2.39e3	0.250							
27	70	Total PFOS	499.1 > 79.9	0.00e0	2.39e3	0.250			0.000				
28	44	13C2-PFOA	414.9 > 369.7	7.60e3	9.47e3	0.250	0.802	4.27	10.0	42.4037	84.8		
29	44	13C2-PFOA	414.9 > 369.7	7.60e3	9.47e3	0.250	0.802	4.27	10.0	42.4037	84.8		
30	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.46e3	0.250	0.973	4.78	12.2	43.8583	87.7		
31	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.46e3	0.250	0.973	4.78	12.2	43.8583	87.7		
32	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.46e3	0.250	0.973	4.78	12.2	43.8583	87.7		
33	-1												
34	14	PFNA	463.0 > 418.8		8.33e3	0.250							
35	15	PFOSA	498.2 > 77.9		2.60e3	0.250							
36	18	PFDA	513 > 468.8		7.46e3	0.250							

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-60.qld

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Name: 180713M2_60, Date: 14-Jul-2018, Time: 02:39:35, ID: B8G0006-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
37	19	8:2 FTS	527 > 506.9		1.60e3	0.250							
38	20	PFNS	549.1>80.1		2.39e3	0.250							
39	45	13C5-PFNA	468.2 > 422.9	8.33e3	1.03e4	0.250	0.808	4.70	10.1	41.2454	82.5		
40	46	13C8-PFOSA	506.1 > 77.7	2.60e3	1.34e4	0.250	0.195	4.76	2.43	32.1448	64.3		
41	48	13C2-PFDA	515.1 > 469.9	7.46e3	9.92e3	0.250	0.752	5.08	9.39	37.3204	74.6		
42	49	13C2-8:2 FTS	529.1 > 508.7	1.60e3	8.61e3	0.250	0.186	5.04	2.33	47.7505	95.5		
43	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.46e3	0.250	0.973	4.78	12.2	43.8583	87.7		
44	-1												
45	21	L-MeFOSAA	570.1 > 419		3.25e3	0.250							
46	71	Total N-MeFOSAA	570.1 > 419	0.00e0	3.25e3	0.250			0.000				
47	23	L-EtFOSAA	584.2 > 419		3.76e3	0.250							
48	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.76e3	0.250			0.000				
49	25	PFUdA	563.0 > 518.9		9.27e3	0.250							
50	50	d3-N-MeFOSAA	573.3 > 419	3.25e3	1.34e4	0.250	0.243	5.22	3.04	47.0550	94.1		
51	50	d3-N-MeFOSAA	573.3 > 419	3.25e3	1.34e4	0.250	0.243	5.22	3.04	47.0550	94.1		
52	51	d5-N-EtFOSAA	589.3 > 419	3.76e3	1.34e4	0.250	0.281	5.38	3.52	50.2889	100.6		
53	51	d5-N-EtFOSAA	589.3 > 419	3.76e3	1.34e4	0.250	0.281	5.38	3.52	50.2889	100.6		
54	52	13C2-PFUdA	565 > 519.8	9.27e3	1.34e4	0.250	0.694	5.40	8.68	38.3472	76.7		
55	-1												
56	26	PFDS	598.8 > 80		9.27e3	0.250							
57	27	PFDoA	612.9 > 569.0		9.69e3	0.250							
58	29	PFTrDA	662.9 > 618.9		9.69e3	0.250							
59	30	PFTeDA	712.9 > 668.8		6.99e3	0.250							
60	28	N-MeFOSA	512.1 > 168.9			0.250							
61	52	13C2-PFUdA	565 > 519.8	9.27e3	1.34e4	0.250	0.694	5.40	8.68	38.3472	76.7		
62	53	13C2-PFDoA	615.0 > 569.7	9.69e3	9.92e3	0.250	0.977	5.68	12.2	38.7011	77.4		
63	53	13C2-PFDoA	615.0 > 569.7	9.69e3	9.92e3	0.250	0.977	5.68	12.2	38.7011	77.4		
64	55	13C2-PFTeDA	714.8 > 669.6	6.99e3	1.34e4	0.250	0.523	6.14	6.54	45.5416	91.1		
65	54	d3-N-MeFOSA	515.2 > 168.9		1.34e4	0.250							
66	-1												
67	31	N-EtFOSA	526.1 > 168.9			0.250							
68	32	PFHxDA	813.1 > 768.6		5.09e3	0.250							
69	33	PFODA	913.1 > 868.8		5.09e3	0.250							
70	34	N-MeFOSE	616.1 > 58.9			0.250							
71	35	N-EtFOSE	630.1 > 58.9			0.250							
72	56	d5-N-ETFOSA	531.1 > 168.9		1.34e4	0.250							

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-60.qld

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Name: 180713M2_60, Date: 14-Jul-2018, Time: 02:39:35, ID: B8G0006-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
73	57	13C2-PFHxDA	815 > 769.7	5.09e3	1.34e4	0.250	0.953	6.47	4.77	21.6717	108.4		
74	57	13C2-PFHxDA	815 > 769.7	5.09e3	1.34e4	0.250	0.953	6.47	4.77	21.6717	108.4		
75	58	d7-N-MeFOSE	623.1 > 58.9		1.34e4	0.250							
76	59	d9-N-EtFOSE	639.2 > 58.8		1.34e4	0.250							
77	-1												
78	73	TCDA	498.3>106.9			0.250							
79	61	13C5-PFHxA	318 > 272.9	8.61e3	8.61e3	0.250	1.00	3.12	12.5	50.0000	100.0		
80	60	13C4-PFBA	217. > 171.8	7.57e3	7.57e3	0.250	1.00	1.33	12.5	50.0000	100.0		
81	62	13C3-PFHxS	401.9 > 79.9	2.13e3	2.13e3	0.250	1.00	3.89	12.5	50.0000	100.0		
82	63	13C8-PFOA	421.3 > 376	9.47e3	9.47e3	0.250	1.00	4.26	12.5	50.0000	100.0		
83	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.46e3	0.250	0.973	4.78	12.2	43.8583	87.7		
84	64	13C9-PFNA	472.2 > 426.9	1.03e4	1.03e4	0.250	1.00	4.70	12.5	50.0000	100.0		
85	65	13C4-PFOS	503 > 79.9	2.46e3	2.46e3	0.250	1.00	4.78	12.5	50.0000	100.0		
86	66	13C6-PFDA	519.1 > 473.7	9.92e3	9.92e3	0.250	1.00	5.08	12.5	50.0000	100.0		
87	67	13C7-PFUdA	570.1 > 524.8	1.34e4	1.34e4	0.250	1.00	5.40	12.5	50.0000	100.0		

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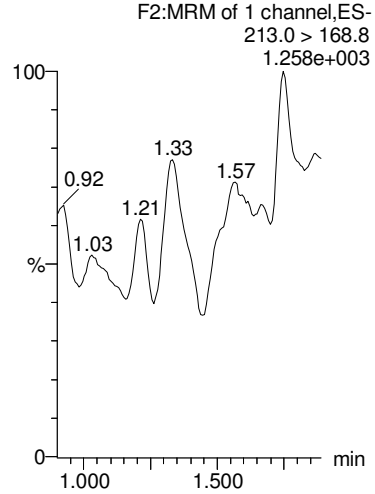
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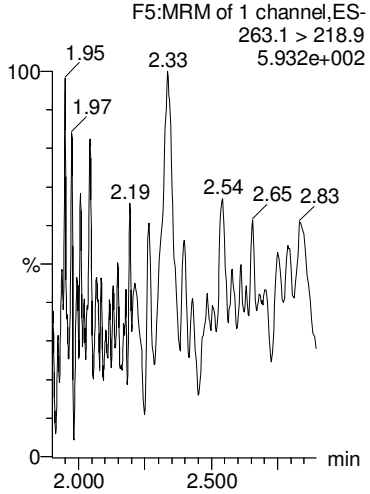
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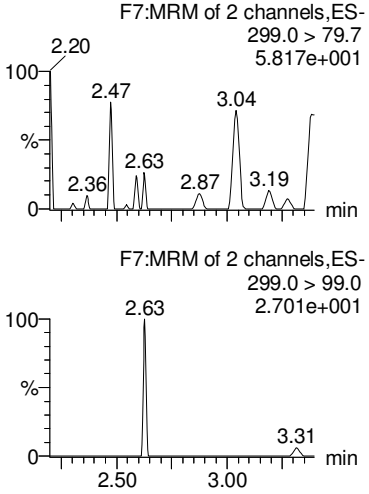
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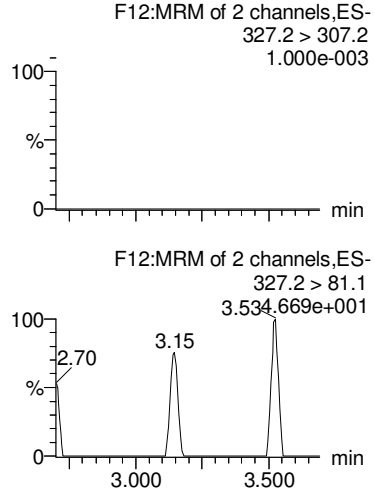
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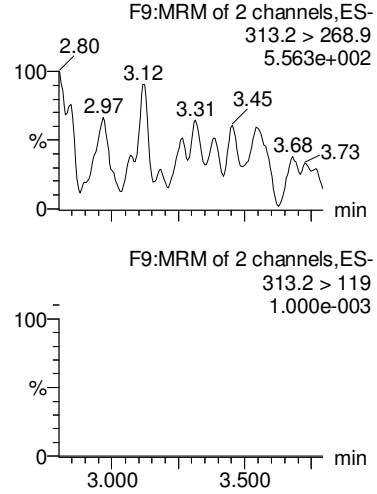
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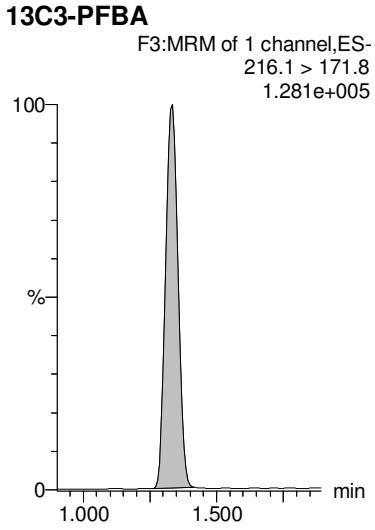
4:2 FTS



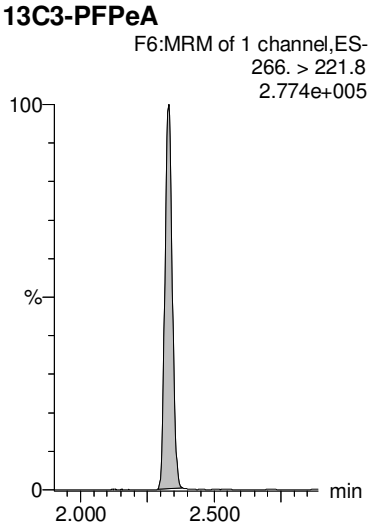
PFHxA



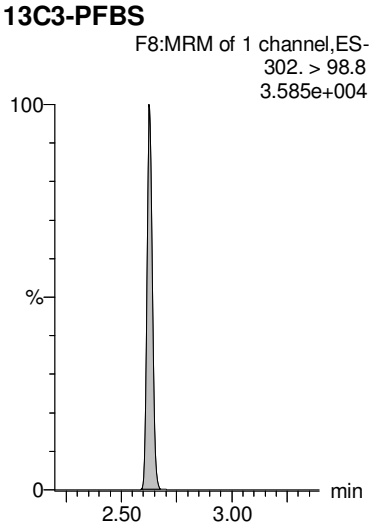
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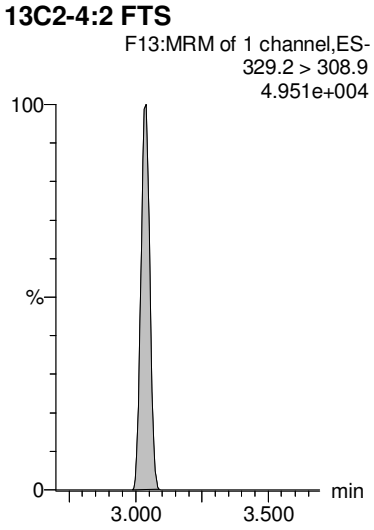
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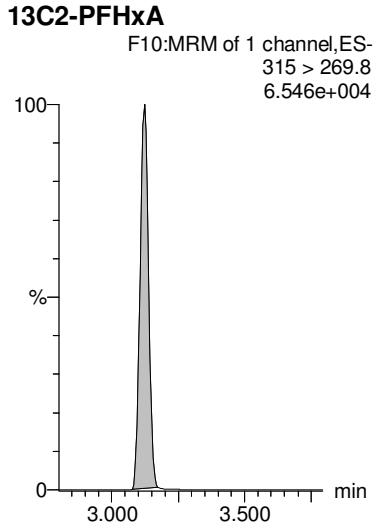
13C3-PFBS



13C2-4:2 FTS



13C2-PFHxA



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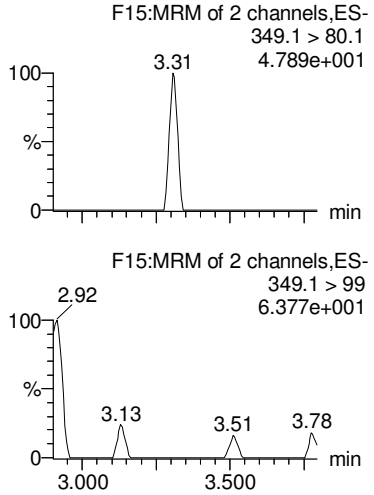
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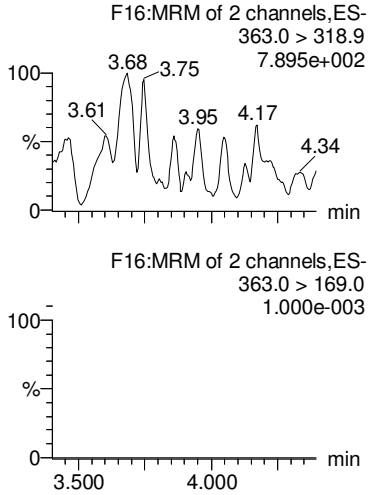
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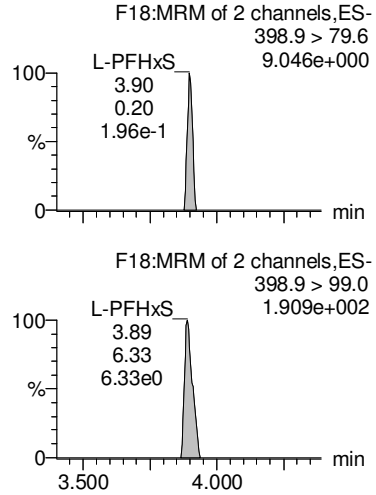
PFPeS



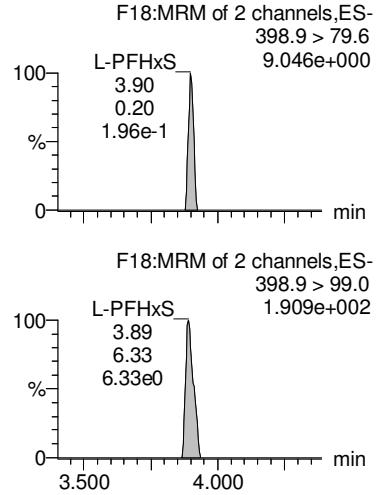
PFHpA



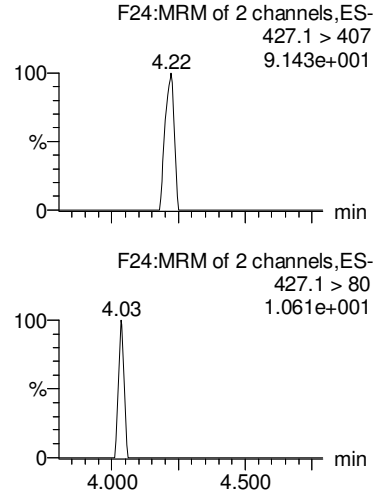
L-PFHxS



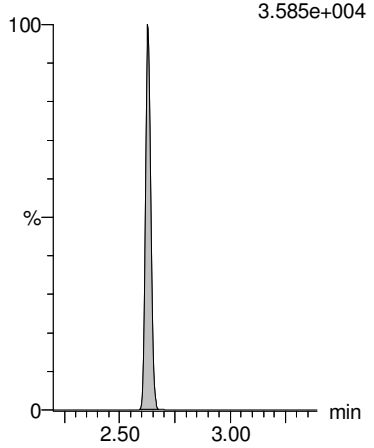
Total PFHxS



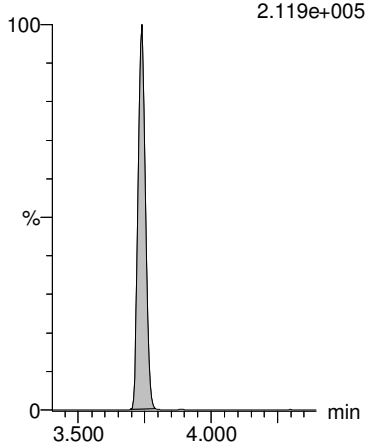
6:2 FTS



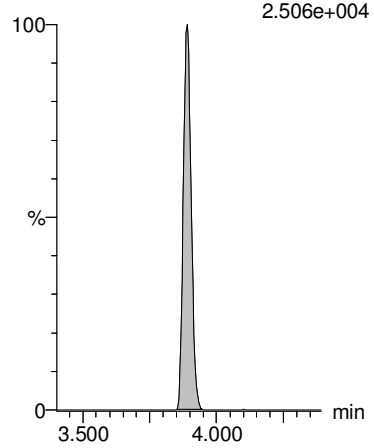
13C3-PFBS



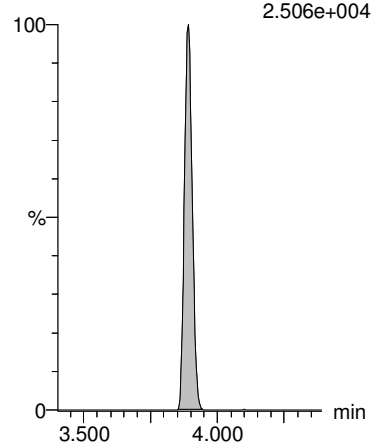
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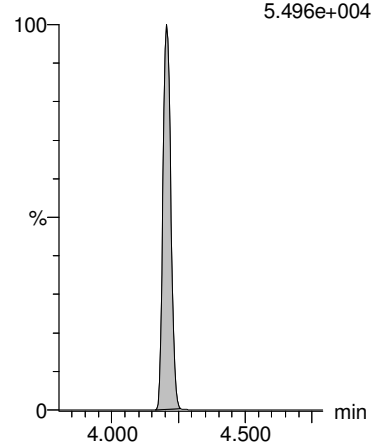
18O2-PFHxS



18O2-PFHxS



13C2-6:2 FTS



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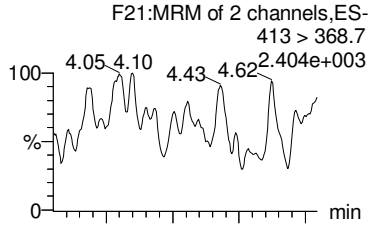
MMM 7/17/2018

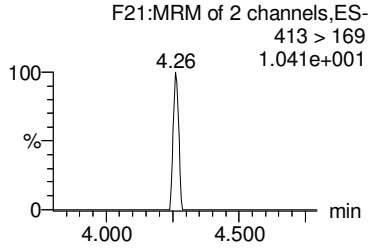
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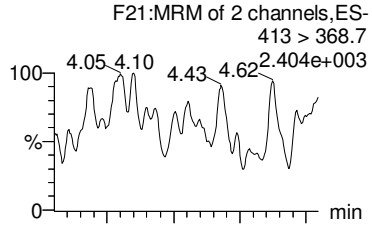
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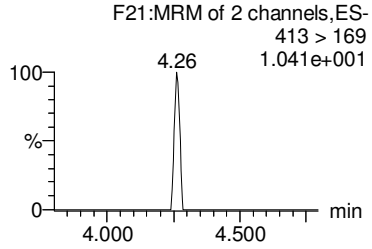
L-PFOA



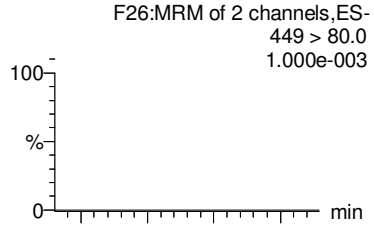


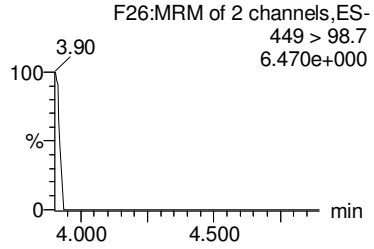
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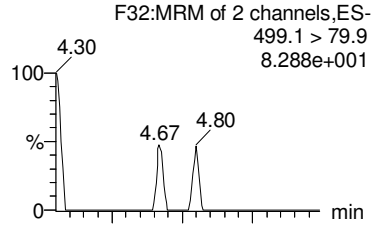


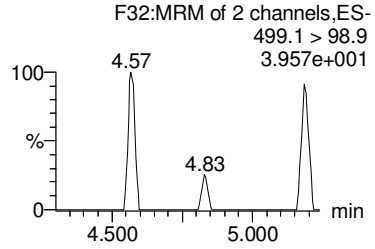
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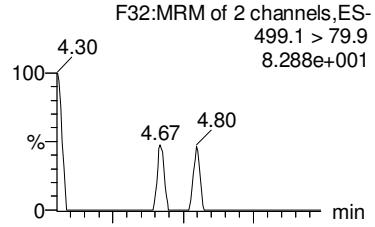


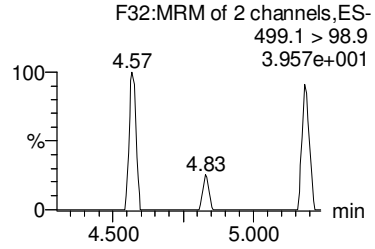
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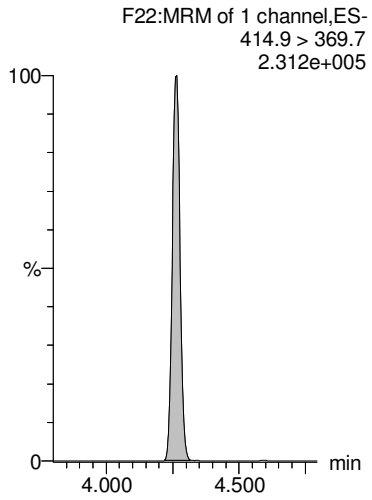


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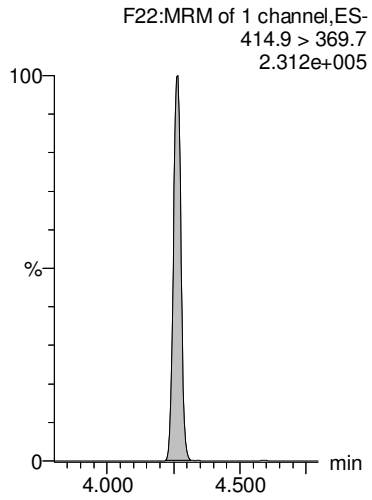




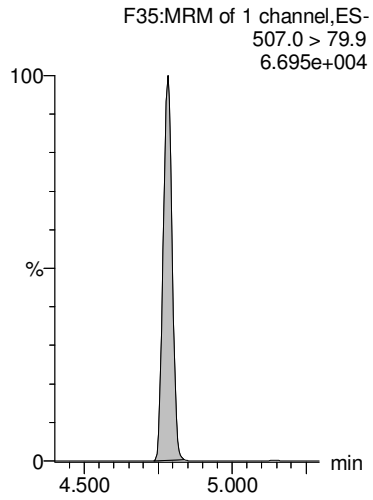
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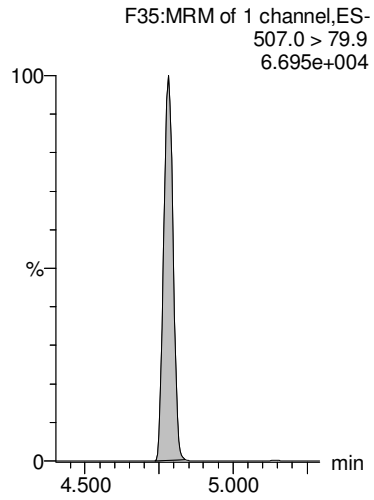
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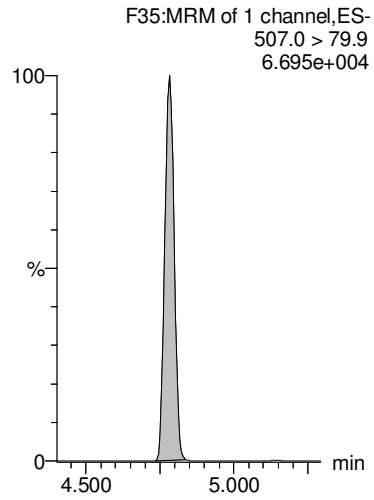
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13C8-PFOS



13C8-PFOS



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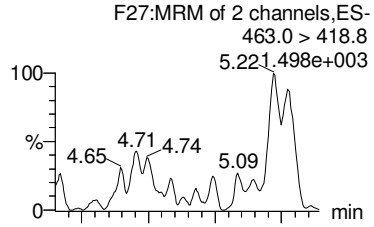
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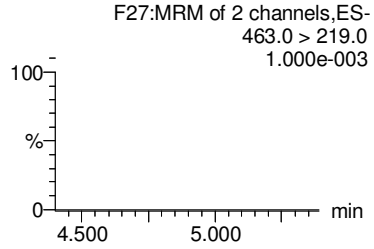
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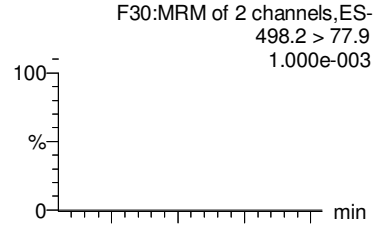
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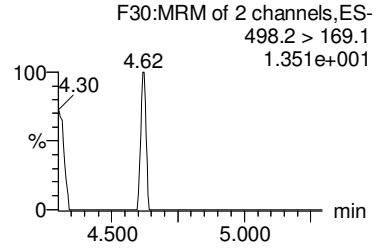
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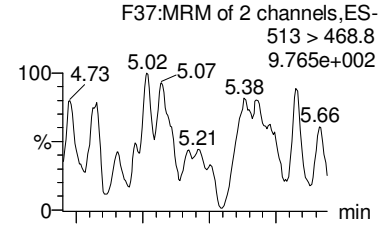


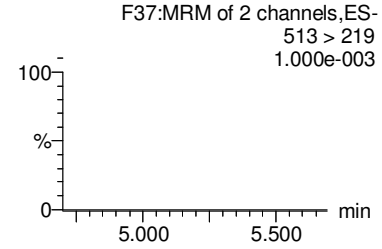
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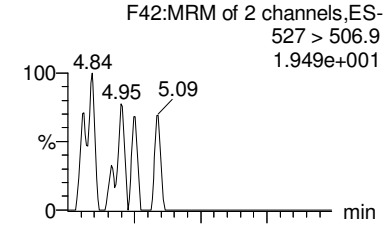


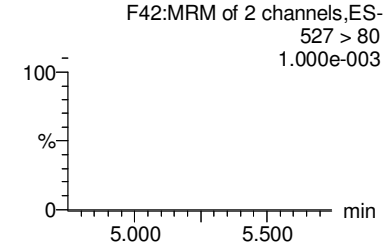
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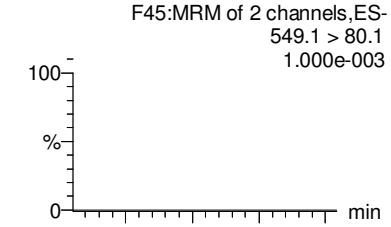


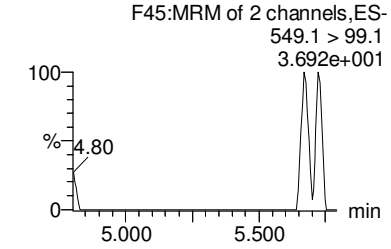
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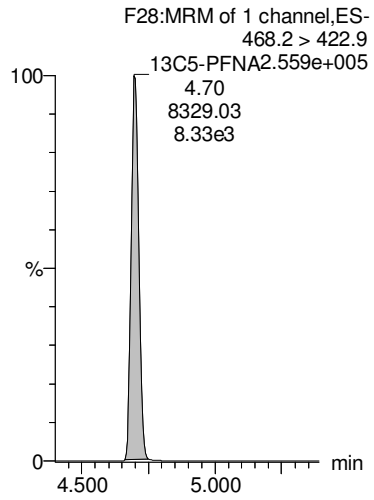


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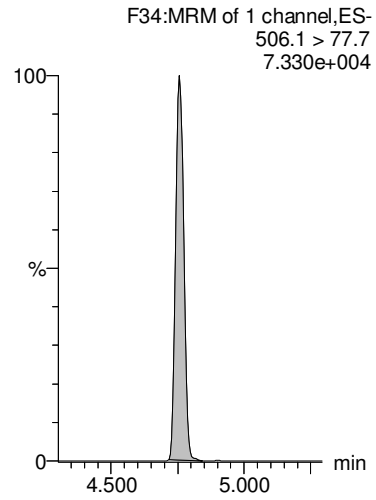




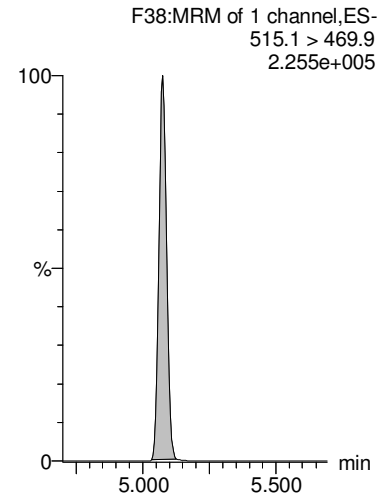
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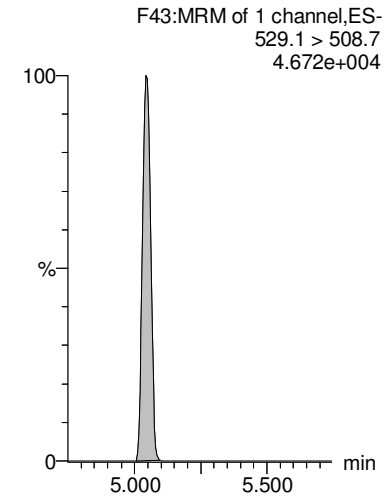
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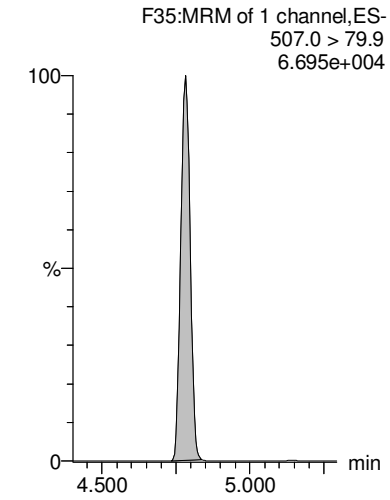
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13C2-8:2 FTS



13C8-PFOS



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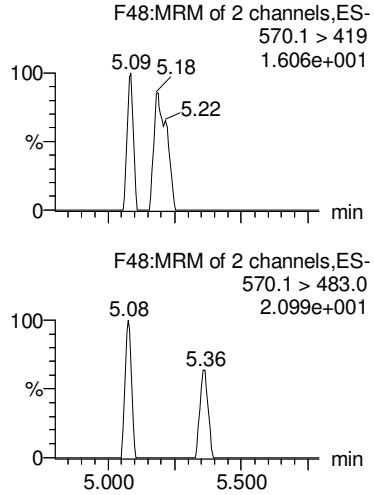
MMM 7/17/2018

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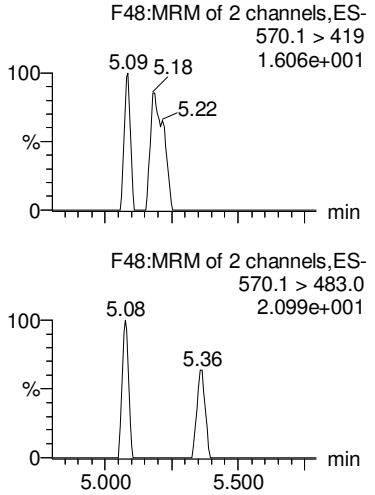
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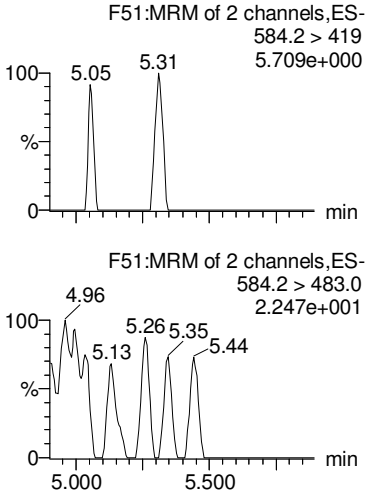
L-MeFOSAA



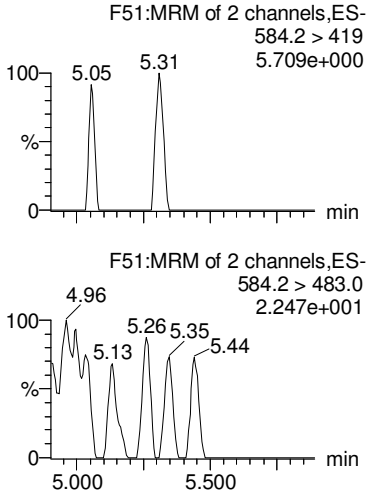
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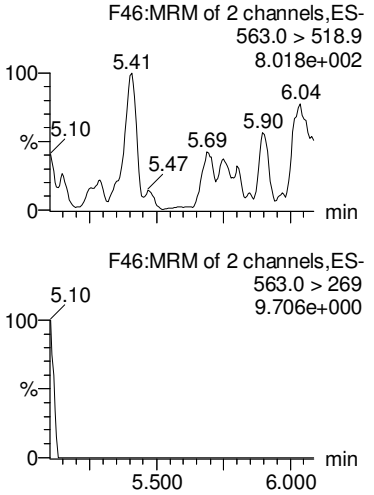
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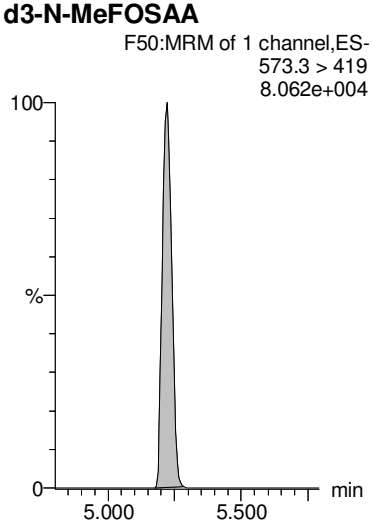
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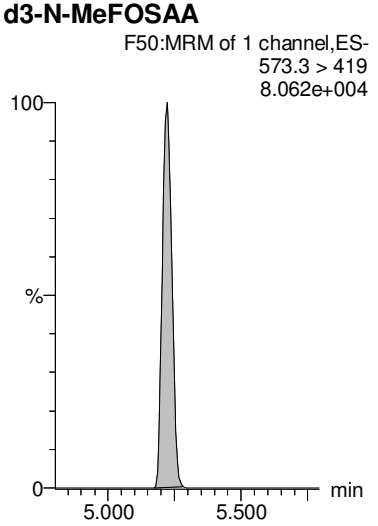
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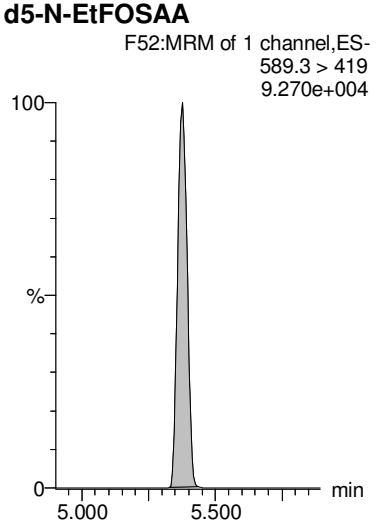
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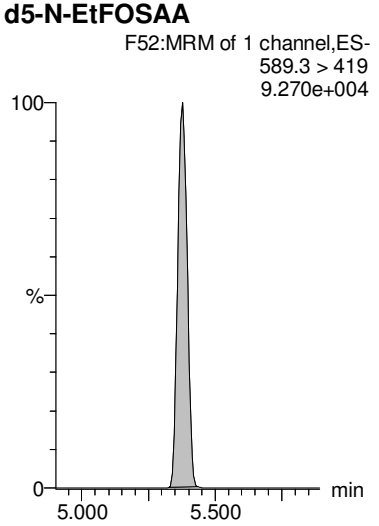
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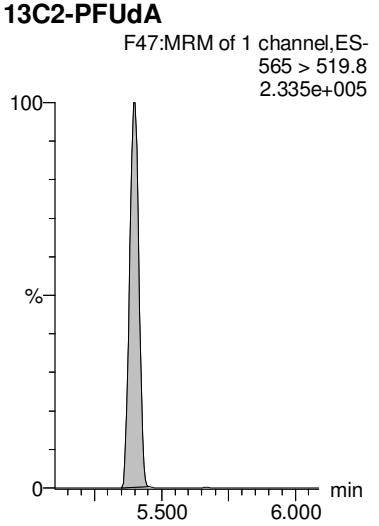
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d5-N-EtFOSAA



13C2-PFUdA



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Vista Analytical Laboratory

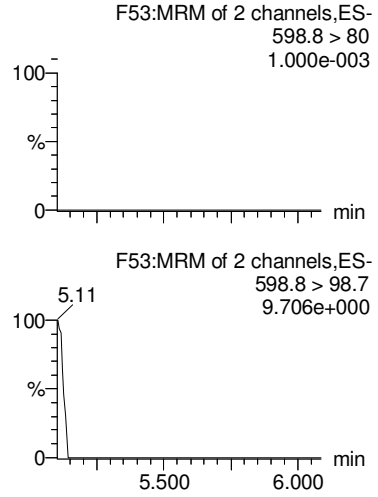
MMM 7/17/2018

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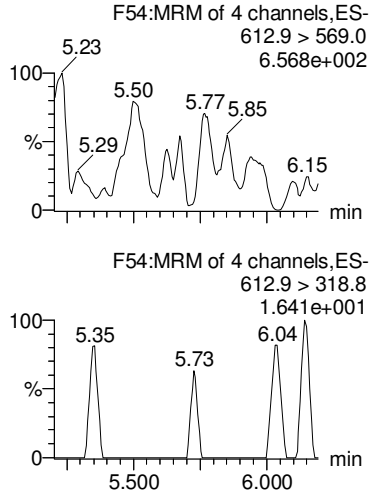
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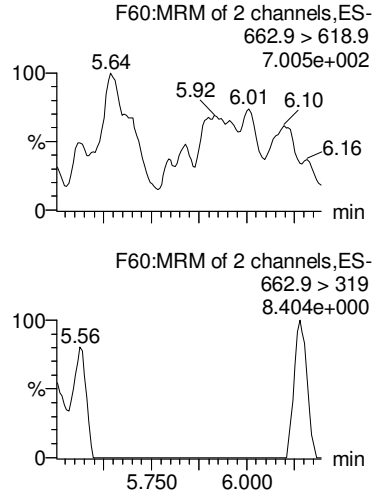
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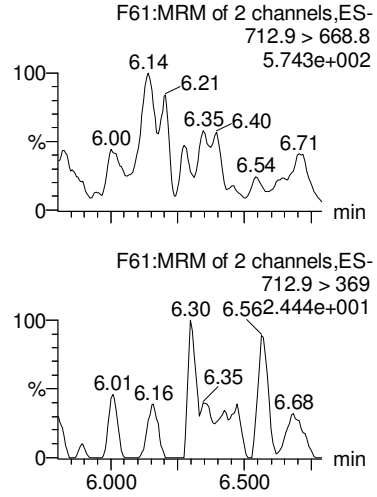
PFDoA



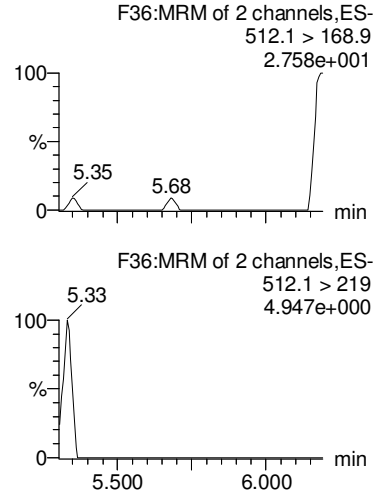
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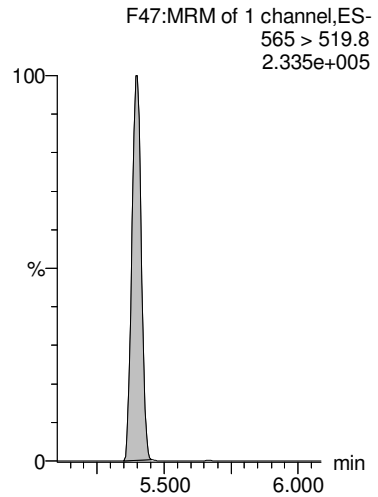
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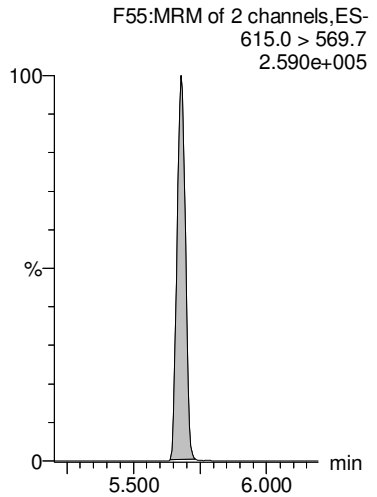
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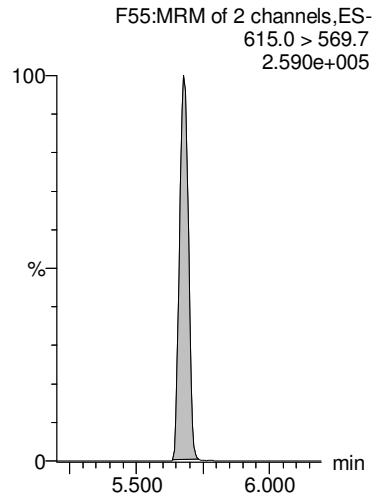
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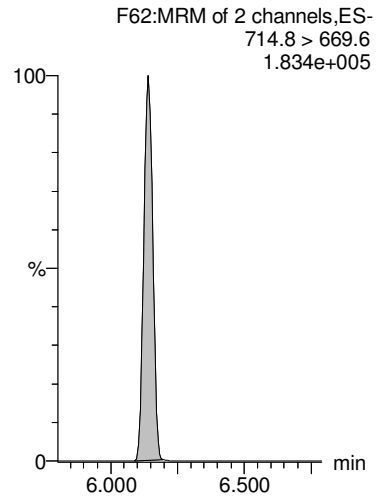
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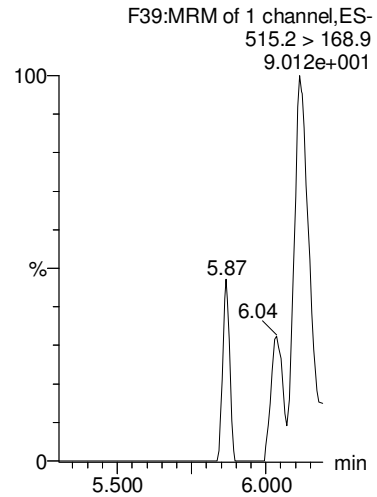
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13C2-PFTeDA



d3-N-MeFOSA



AD 7/17/2018

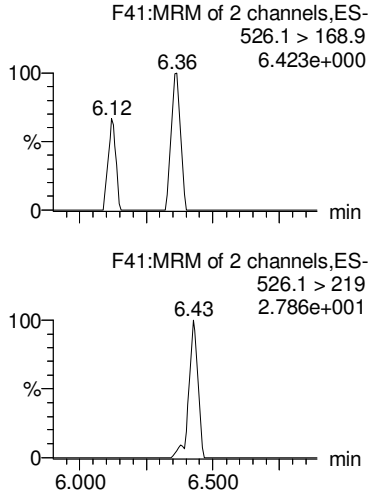
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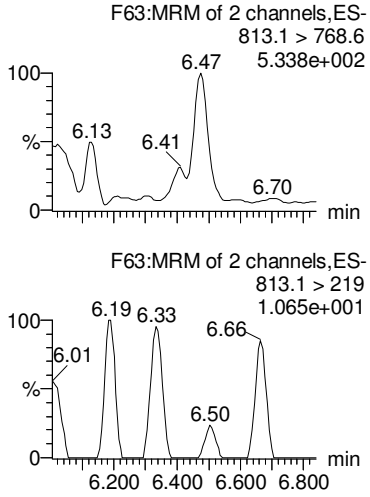
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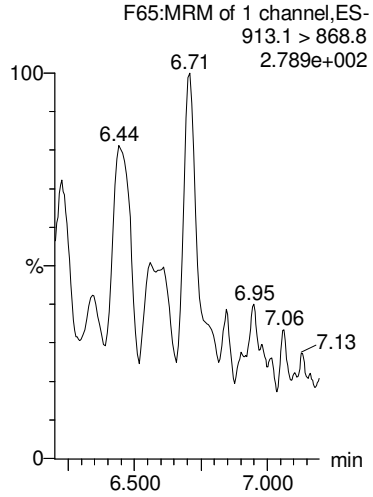
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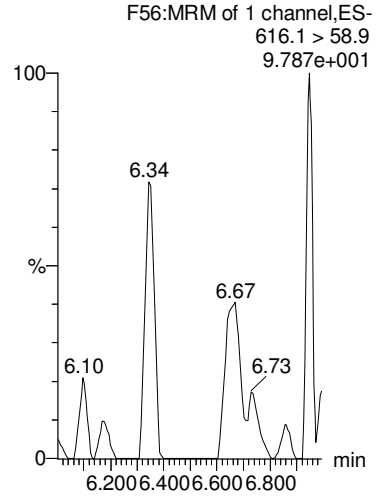
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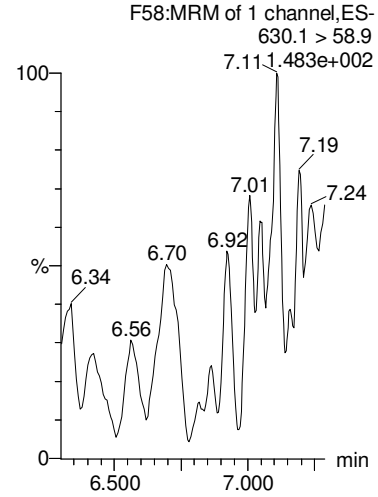
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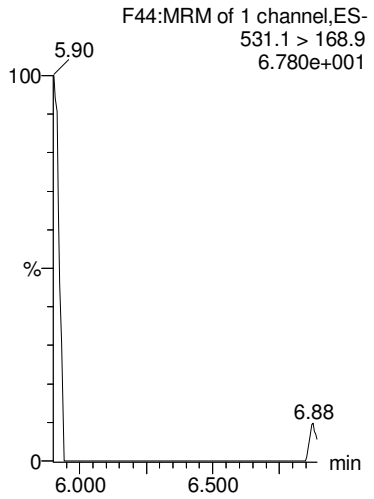
N-MeFOSE



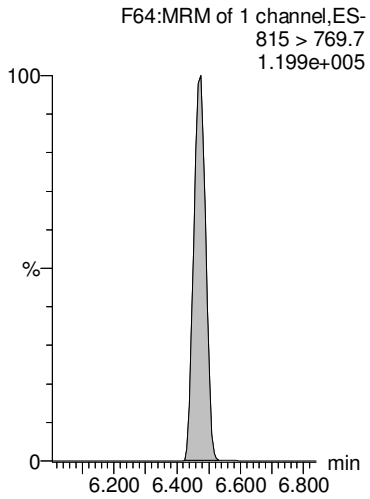
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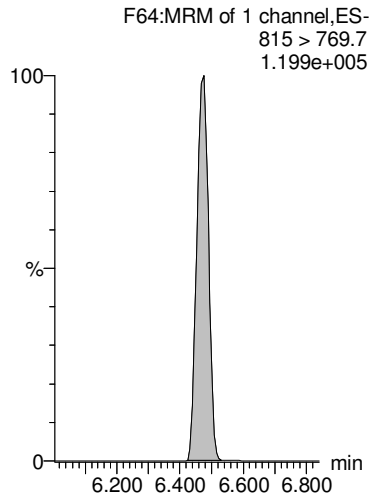
d5-N-ETFOSA



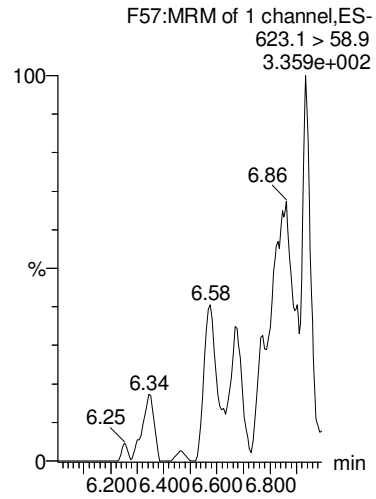
13C2-PFHxDA



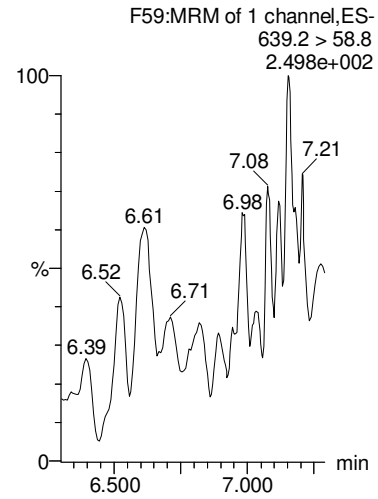
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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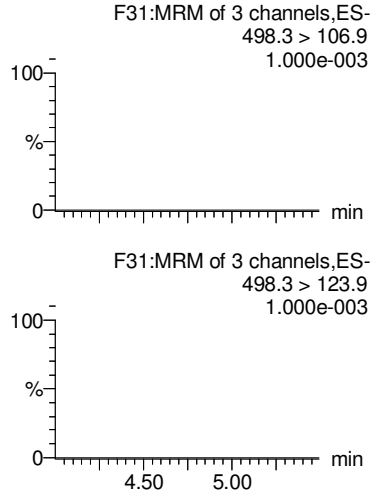
MMM 7/17/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-60.qld

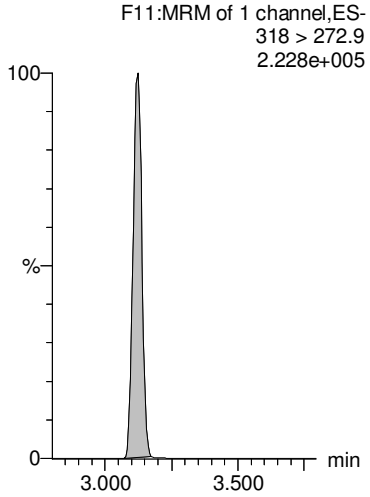
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Printed: Tuesday, July 17, 2018 15:16:18 Pacific Daylight Time

Name: 180713M2_60, Date: 14-Jul-2018, Time: 02:39:35, ID: B8G0006-BLK1 Method Blank 0.25, Description: Method Blank

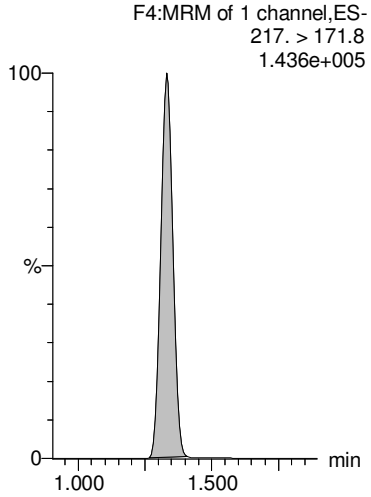
TCDA



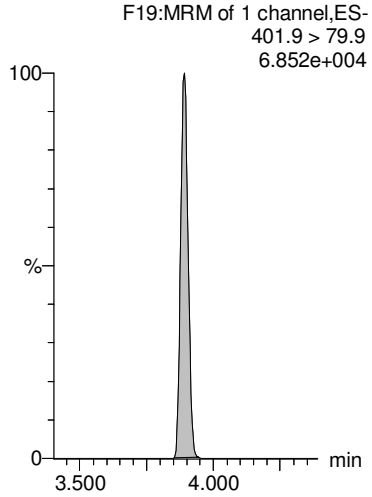
13C5-PFHxA



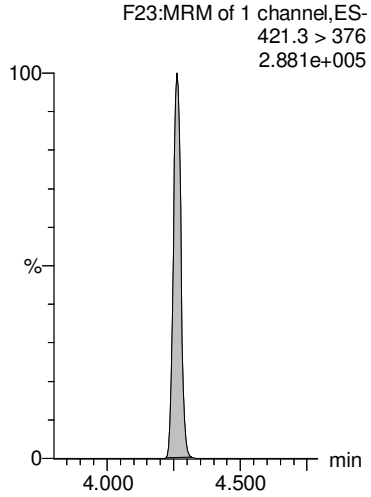
13C4-PFBA



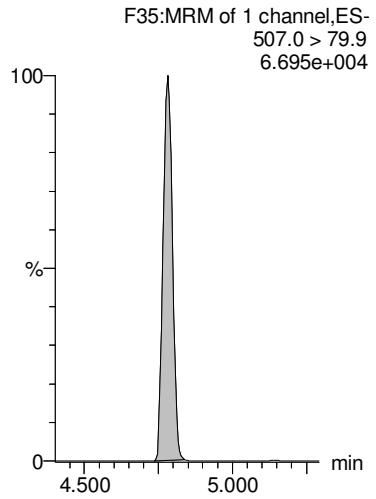
13C3-PFHxS



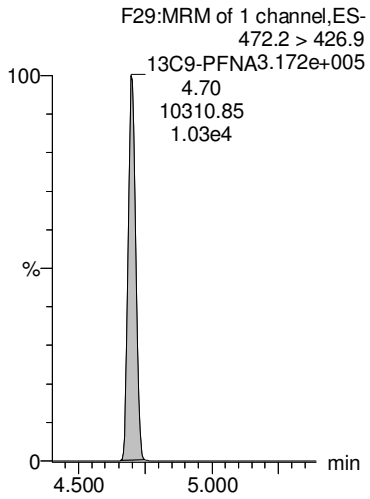
13C8-PFOA



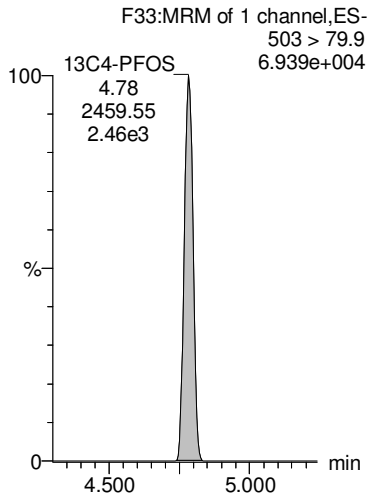
13C8-PFOS



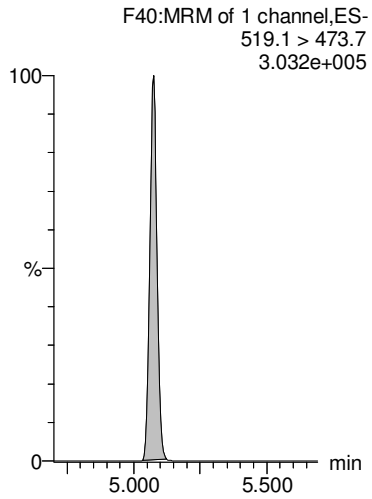
13C9-PFNA



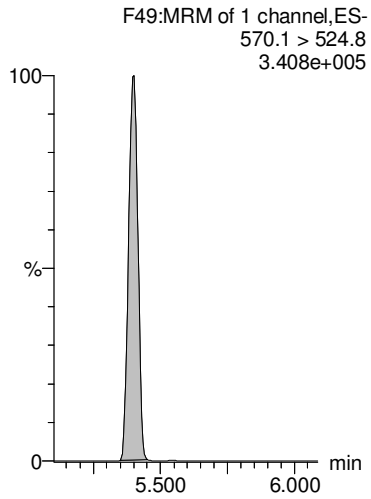
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-57.qld

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Printed: Tuesday, July 17, 2018 15:09:53 Pacific Daylight Time

Name: 180713M2_57, Date: 14-Jul-2018, Time: 02:08:09, ID: B8G0006-BS1 OPR 0.25, Description: OPR

	#	Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?	
1	1	PFBA	213.0 > 168.8	4.92e3	6.41e3	0.250	0.961	1.33	9.61	33.2163	83.0			
2	2	PFPeA	263.1 > 218.9	5.59e3	7.88e3	0.250	0.887	2.33	8.87	33.9719	84.9			
3	3	PFBS	299.0 > 79.7	1.39e3	1.01e3	0.250	1.73	2.63	17.3	34.8331	87.1	2.69	NO	
4	4	4:2 FTS	327.2>307.2	1.22e3	2.02e3	0.250	0.754	3.04	7.54	30.9888	77.5	1.48	NO	
5	5	PFHxA	313.2 > 268.9	6.48e3	2.33e3	0.250	1.39	3.12	13.9	33.2539	83.1	203	YES	
6	36	13C3-PFBA	216.1 > 171.8	6.41e3	7.39e3	0.250	0.867	1.33	10.8	47.2987	94.6			
7	37	13C3-PFPeA	266. > 221.8	7.88e3	8.47e3	0.250	0.930	2.33	11.6	47.0343	94.1			
8	38	13C3-PFBS	302. > 98.8	1.01e3	8.47e3	0.250	0.119	2.63	1.49	49.6340	99.3			
9	39	13C2-4:2 FTS	329.2>308.9	2.02e3	8.47e3	0.250	0.238	3.04	2.98	49.2289	98.5			
10	40	13C2-PFHxA	315 > 269.8	2.33e3	8.47e3	0.250	0.687	3.12	3.43	18.4184	92.1			
11	-1													
12	6	PFPeS	349.1>80.1	1.35e3	1.01e3	0.250	1.67	3.32	16.7	36.5073	91.3	1.79	NO	
13	7	PFHpA	363.0 > 318.9	5.46e3	7.00e3	0.250	0.976	3.74	9.76	34.0972	85.2	16.9	NO	
14	8	L-PFHxS	398.9 > 79.6	8.85e2	7.30e2	0.250	1.52	3.89	15.2	32.2183	80.5	1.49	NO	
15	68	Total PFHxS	398.9 > 79.6	8.85e2	7.30e2	0.250			15.2	32.2183				
16	10	6:2 FTS	427.1 > 407	1.01e3	1.45e3	0.250	0.870	4.20	8.70	33.3087	83.3	2.29	NO	
17	38	13C3-PFBS	302. > 98.8	1.01e3	8.47e3	0.250	0.119	2.63	1.49	49.6340	99.3			
18	41	13C4-PFHpA	367.2 > 321.8	7.00e3	8.47e3	0.250	0.826	3.74	10.3	50.9183	101.8			
19	42	18O2-PFHxS	403.0 > 102.6	7.30e2	2.01e3	0.250	0.363	3.89	4.54	44.4023	88.8			
20	42	18O2-PFHxS	403.0 > 102.6	7.30e2	2.01e3	0.250	0.363	3.89	4.54	44.4023	88.8			
21	43	13C2-6:2 FTS	429.1 > 408.9	1.45e3	1.00e4	0.250	0.145	4.20	1.81	34.0059	68.0			
22	-1													
23	11	L-PFOA	413 > 368.7	6.07e3	8.52e3	0.250	0.890	4.26	8.90	34.3189	85.8	3.79	NO	
24	69	Total PFOA	413 > 368.7	6.07e3	8.52e3	0.250			8.90	34.3189				
25	13	PFHpS	449 > 80.0	1.50e3	2.39e3	0.250	0.783	4.37	7.83	39.1261	97.8	2.09	NO	
26	16	L-PFOS	499.1 > 79.9	1.37e3	2.39e3	0.250	0.717	4.78	7.17	33.4459	83.6	1.82	YES	
27	70	Total PFOS	499.1 > 79.9	1.37e3	2.39e3	0.250			7.17	33.4459				
28	44	13C2-PFOA	414.9 > 369.7	8.52e3	1.00e4	0.250	0.851	4.26	10.6	44.9832	90.0			
29	44	13C2-PFOA	414.9 > 369.7	8.52e3	1.00e4	0.250	0.851	4.26	10.6	44.9832	90.0			
30	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.38e3	0.250	1.01	4.78	12.6	45.3701	90.7			
31	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.38e3	0.250	1.01	4.78	12.6	45.3701	90.7			
32	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.38e3	0.250	1.01	4.78	12.6	45.3701	90.7			
33	-1													
34	14	PFNA	463.0 > 418.8	5.70e3	7.71e3	0.250	0.925	4.70	9.25	31.9971	80.0	4.10	NO	
35	15	PFOSA	498.2 > 77.9	1.44e3	2.34e3	0.250	0.771	4.75	7.71	32.0168	80.0	38.2	NO	AD 7/17/2018
36	18	PFDA	513 > 468.8	6.38e3	7.63e3	0.250	1.04	5.07	10.4	32.4473	81.1	5.88	NO	

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-57.qld

Last Altered: Tuesday, July 17, 2018 15:07:08 Pacific Daylight Time
Printed: Tuesday, July 17, 2018 15:09:53 Pacific Daylight Time

Name: 180713M2_57, Date: 14-Jul-2018, Time: 02:08:09, ID: B8G0006-BS1 OPR 0.25, Description: OPR

	#	Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?	
37	19	8:2 FTS	527 > 506.9	1.57e3	1.21e3	0.250	1.62	5.04	16.2	43.4461	108.6	2.58	NO	
38	20	PFNS	549.1>80.1	1.40e3	2.39e3	0.250	0.729	5.14	7.29	35.5906	89.0	1.72	NO	
39	45	13C5-PFNA	468.2 > 422.9	7.71e3	9.52e3	0.250	0.810	4.70	10.1	41.3724	82.7			
40	46	13C8-PFOSA	506.1 > 77.7	2.34e3	1.56e4	0.250	0.149	4.76	1.87	24.6640	49.3			
41	48	13C2-PFDA	515.1 > 469.9	7.63e3	9.77e3	0.250	0.781	5.08	9.76	38.7880	77.6			
42	49	13C2-8:2 FTS	529.1 > 508.7	1.21e3	8.47e3	0.250	0.142	5.04	1.78	36.4828	73.0			
43	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.38e3	0.250	1.01	4.78	12.6	45.3701	90.7			
44	-1													
45	21	L-MeFOSAA	570.1 > 419	2.25e3	2.91e3	0.250	0.965	5.22	9.65	36.1820	90.5	19.8	NO	
46	71	Total N-MeFOSAA	570.1 > 419	2.25e3	2.91e3	0.250			9.65	36.1820				
47	23	L-EtFOSAA	584.2 > 419	1.77e3	3.16e3	0.250	0.701	5.38	7.01	30.7218	76.8	16.4	NO	
48	72	Total N-EtFOSAA	584.2 > 419	1.77e3	3.16e3	0.250			7.01	30.7218				
49	25	PFUdA	563.0 > 518.9	6.49e3	9.45e3	0.250	0.859	5.40	8.59	32.0761	80.2	10.6	NO	
50	50	d3-N-MeFOSAA	573.3 > 419	2.91e3	1.56e4	0.250	0.186	5.22	2.33	36.0167	72.0			
51	50	d3-N-MeFOSAA	573.3 > 419	2.91e3	1.56e4	0.250	0.186	5.22	2.33	36.0167	72.0			
52	51	d5-N-EtFOSAA	589.3 > 419	3.16e3	1.56e4	0.250	0.202	5.38	2.52	36.0836	72.2			
53	51	d5-N-EtFOSAA	589.3 > 419	3.16e3	1.56e4	0.250	0.202	5.38	2.52	36.0836	72.2			
54	52	13C2-PFUdA	565 > 519.8	9.45e3	1.56e4	0.250	0.604	5.39	7.55	33.3702	66.7			
55	-1													
56	26	PFDS	598.8 > 80	1.54e3	9.45e3	0.250	0.203	5.44	2.03	41.6370	104.1	1.96	NO	
57	27	PFDoA	612.9 > 569.0	8.57e3	9.92e3	0.250	1.08	5.68	10.8	31.2916	78.2	8.58	NO	
58	29	PFTrDA	662.9 > 618.9	8.31e3	9.92e3	0.250	1.05	5.92	10.5	32.3631	80.9	21.4	NO	
59	30	PFTeDA	712.9 > 668.8	8.04e3	6.77e3	0.250	1.49	6.14	14.9	33.9603	84.9	11.5	NO	
60	28	N-MeFOSA	512.1 > 168.9	1.43e3		0.250	0.000	5.76				1.28	NO	
61	52	13C2-PFUdA	565 > 519.8	9.45e3	1.56e4	0.250	0.604	5.39	7.55	33.3702	66.7			
62	53	13C2-PFDoA	615.0 > 569.7	9.92e3	9.77e3	0.250	1.01	5.68	12.7	40.2036	80.4			
63	53	13C2-PFDoA	615.0 > 569.7	9.92e3	9.77e3	0.250	1.01	5.68	12.7	40.2036	80.4			
64	55	13C2-PFTeDA	714.8 > 669.6	6.77e3	1.56e4	0.250	0.433	6.14	5.41	37.6658	75.3			
65	54	d3-N-MeFOSA	515.2 > 168.9		1.56e4	0.250								
66	-1													
67	31	N-EtFOSA	526.1 > 168.9	1.53e3		0.250	0.000	6.17				1.37	NO	
68	32	PFHxDA	813.1 > 768.6	3.73e3	4.89e3	0.250	0.382	6.47	3.82	24.6246	61.6	24.9	NO	
69	33	PFODA	913.1 > 868.8	2.61e3	4.89e3	0.250	0.267	6.70	2.67	11.5580	28.9			H
70	34	N-MeFOSE	616.1 > 58.9	2.60e3		0.250	0.000	6.34						
71	35	N-EtFOSE	630.1 > 58.9	2.66e3		0.250	0.000	6.48						
72	56	d5-N-ETFOSA	531.1 > 168.9		1.56e4	0.250								

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-57.qld

Last Altered: Tuesday, July 17, 2018 15:07:08 Pacific Daylight Time
Printed: Tuesday, July 17, 2018 15:09:53 Pacific Daylight Time

Name: 180713M2_57, Date: 14-Jul-2018, Time: 02:08:09, ID: B8G0006-BS1 OPR 0.25, Description: OPR

	#	Name	Trace	Area	IS Area	wt/vol	RRF	RT	Respon...	Conc.	%Rec	Ion Ratio	Ratio Out?
73	57	13C2-PFHxDA	815 > 769.7	4.89e3	1.56e4	0.250	0.781	6.47	3.91	17.7568	88.8		
74	57	13C2-PFHxDA	815 > 769.7	4.89e3	1.56e4	0.250	0.781	6.47	3.91	17.7568	88.8		
75	58	d7-N-MeFOSE	623.1 > 58.9		1.56e4	0.250							
76	59	d9-N-EtFOSE	639.2 > 58.8		1.56e4	0.250							
77	-1												
78	73	TCDA	498.3>106.9			0.250							
79	61	13C5-PFHxA	318 > 272.9	8.47e3	8.47e3	0.250	1.00	3.12	12.5	50.0000	100.0		
80	60	13C4-PFBA	217. > 171.8	7.39e3	7.39e3	0.250	1.00	1.33	12.5	50.0000	100.0		
81	62	13C3-PFHxS	401.9 > 79.9	2.01e3	2.01e3	0.250	1.00	3.89	12.5	50.0000	100.0		
82	63	13C8-PFOA	421.3 > 376	1.00e4	1.00e4	0.250	1.00	4.26	12.5	50.0000	100.0		
83	47	13C8-PFOS	507.0 > 79.9	2.39e3	2.38e3	0.250	1.01	4.78	12.6	45.3701	90.7		
84	64	13C9-PFNA	472.2 > 426.9	9.52e3	9.52e3	0.250	1.00	4.70	12.5	50.0000	100.0		
85	65	13C4-PFOS	503 > 79.9	2.38e3	2.38e3	0.250	1.00	4.78	12.5	50.0000	100.0		
86	66	13C6-PFDA	519.1 > 473.7	9.77e3	9.77e3	0.250	1.00	5.07	12.5	50.0000	100.0		
87	67	13C7-PFUdA	570.1 > 524.8	1.56e4	1.56e4	0.250	1.00	5.39	12.5	50.0000	100.0		

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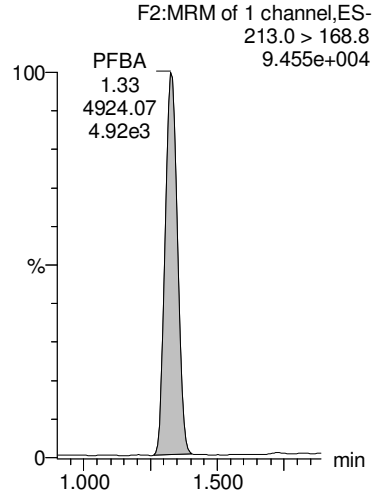
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Printed: Tuesday, July 17, 2018 15:09:53 Pacific Daylight Time

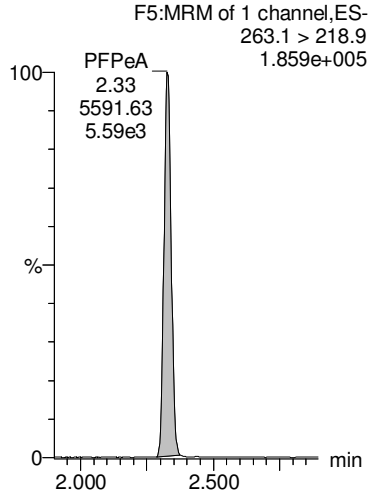
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Name: 180713M2_57, Date: 14-Jul-2018, Time: 02:08:09, ID: B8G0006-BS1 OPR 0.25, Description: OPR

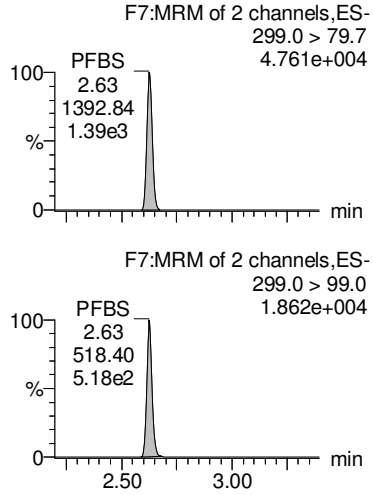
PFBA



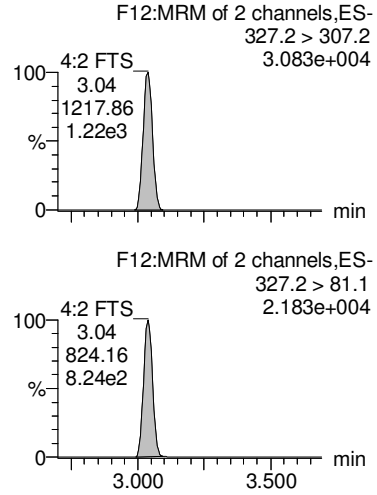
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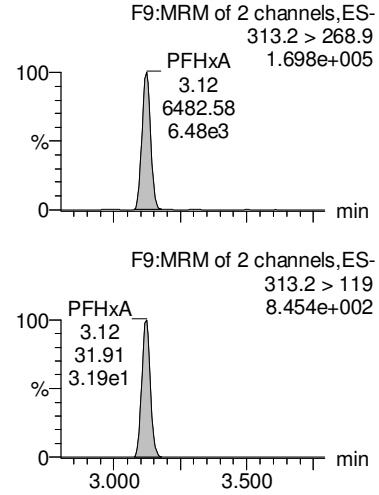
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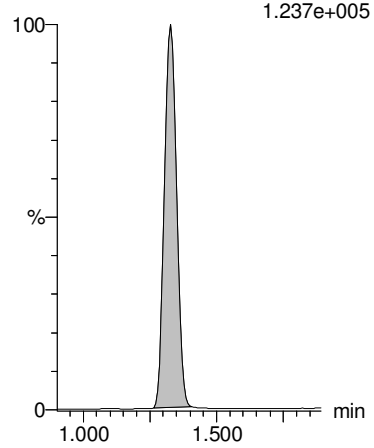
4:2 FTS



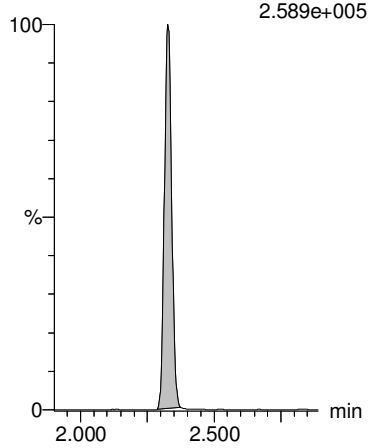
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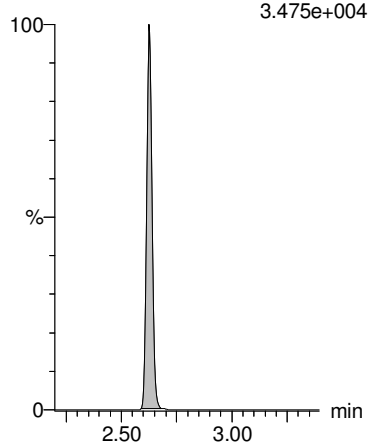
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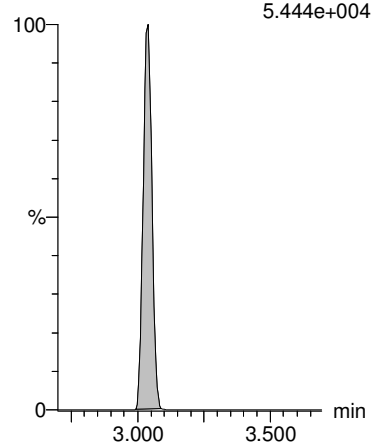
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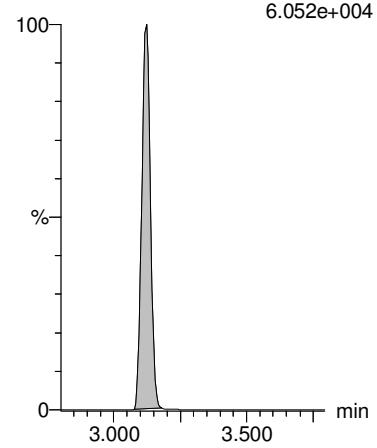
13C3-PFBS



13C2-4:2 FTS



13C2-PFHxA



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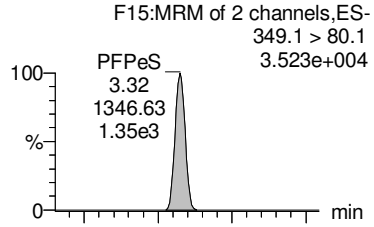
MMM 7/17/2018

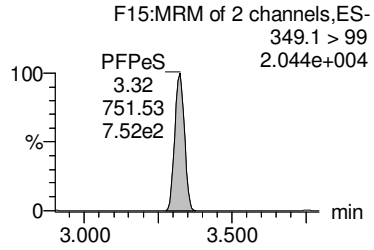
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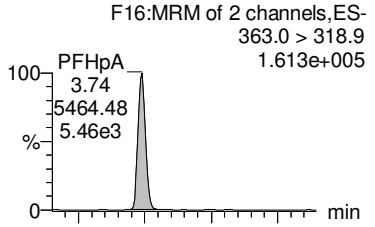
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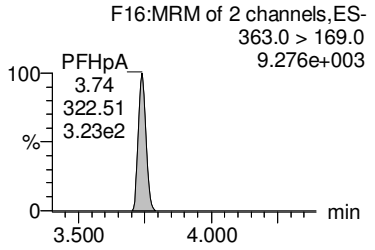
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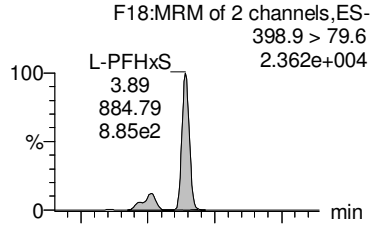


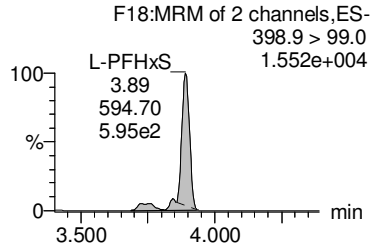
PFHpA



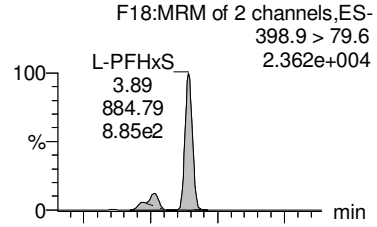


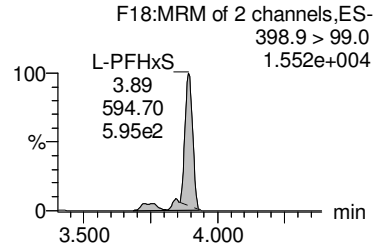
L-PFHxS



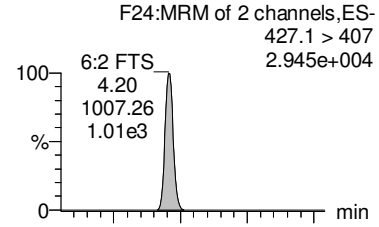


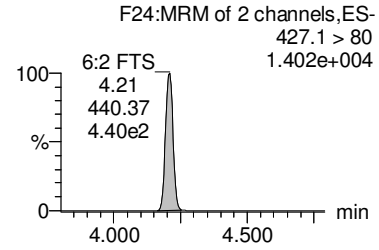
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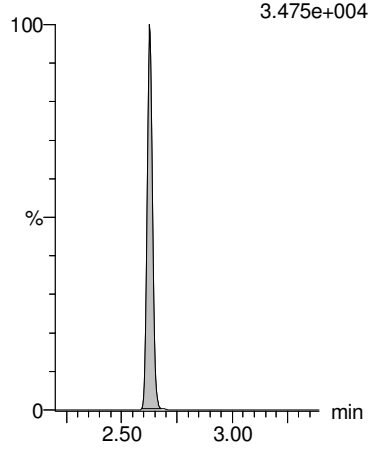


6:2 FTS

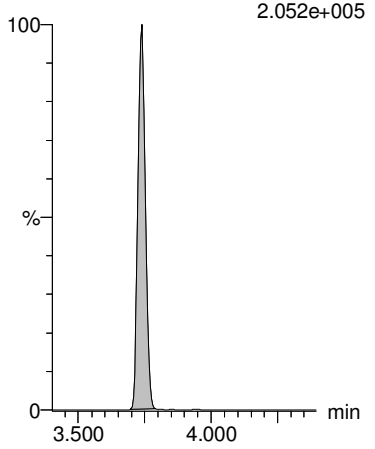




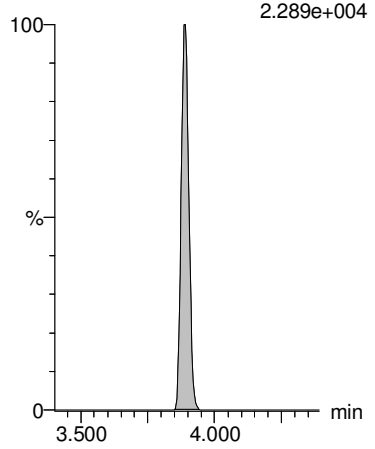
13C3-PFBS



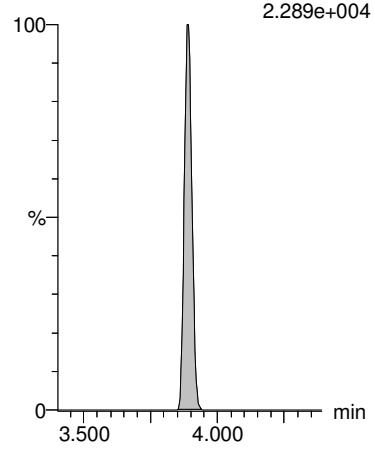
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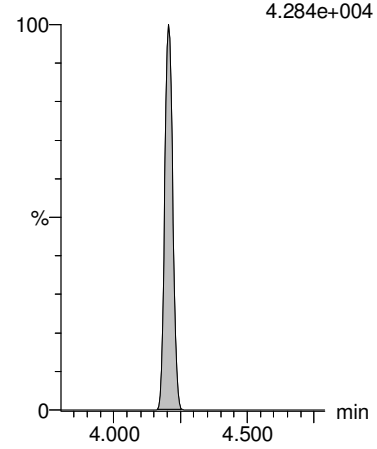
18O2-PFHxS



18O2-PFHxS



13C2-6:2 FTS



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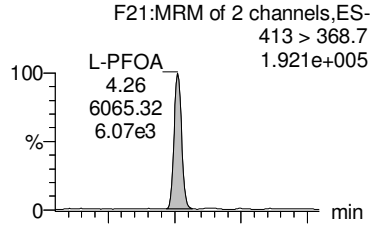
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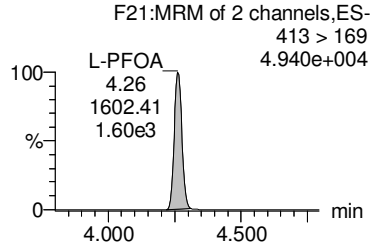
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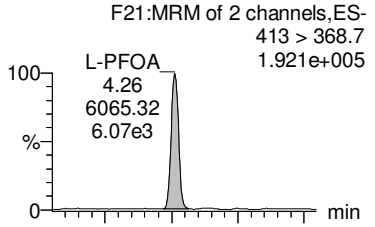
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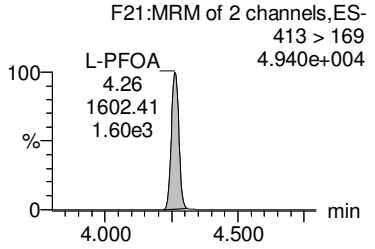
L-PFOA



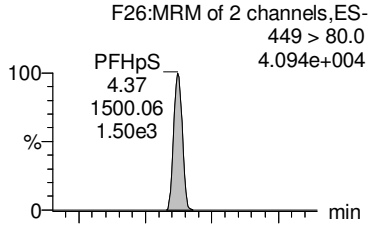


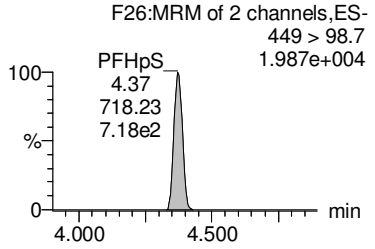
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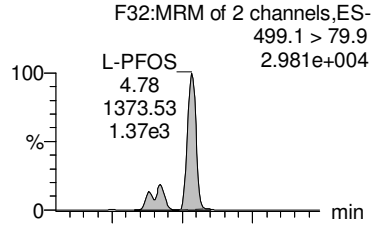


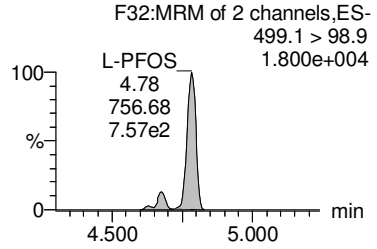
PFHpS



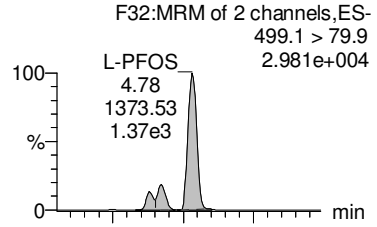


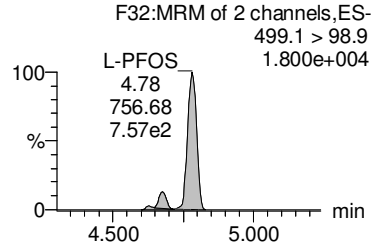
L-PFOS



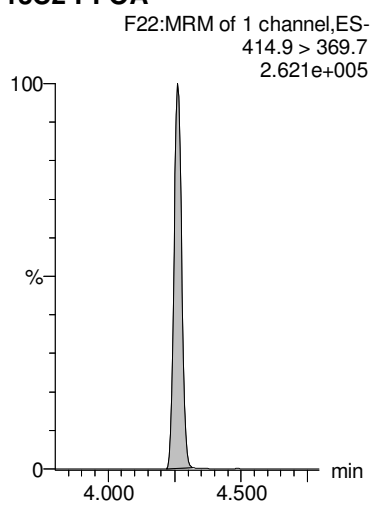


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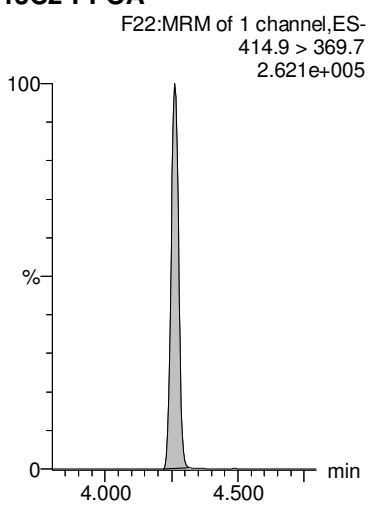




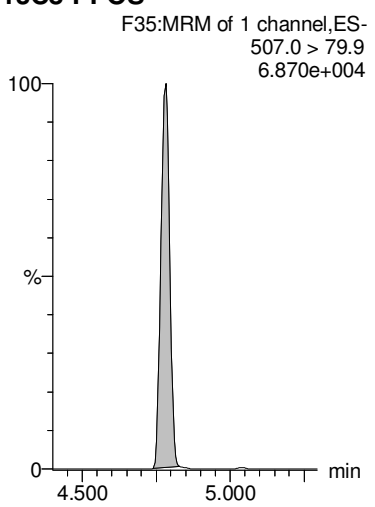
13C2-PFOA



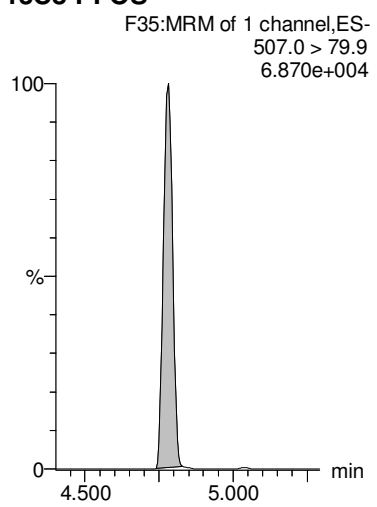
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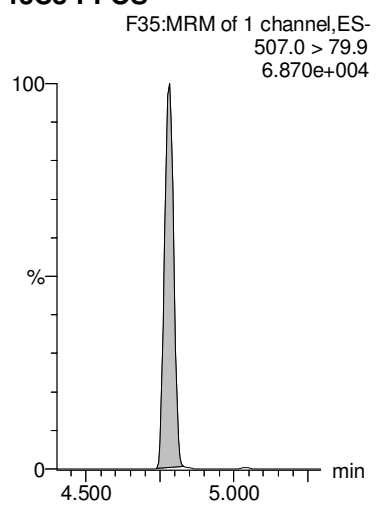
13C8-PFOS



13C8-PFOS



13C8-PFOS



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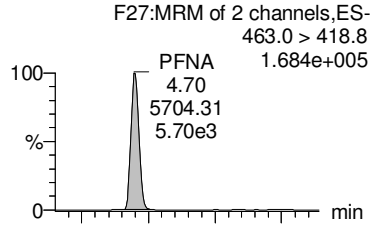
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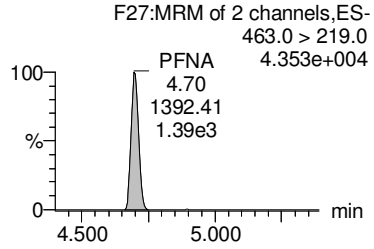
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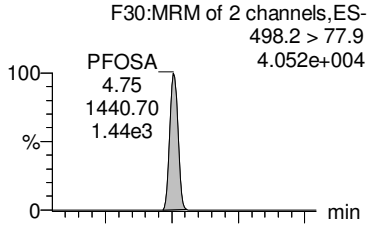
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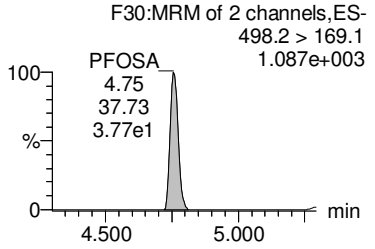
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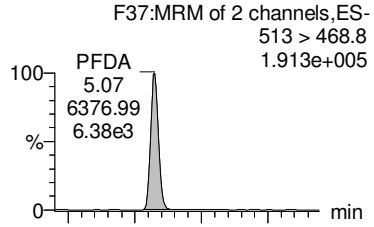


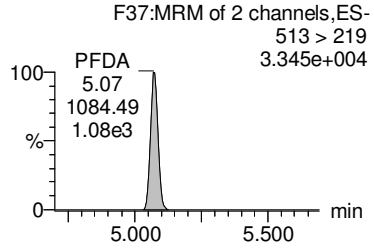
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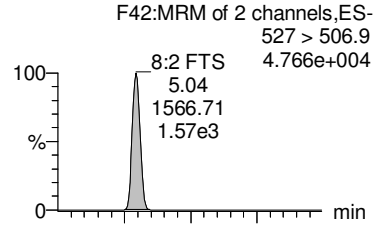


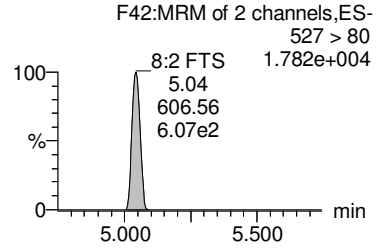
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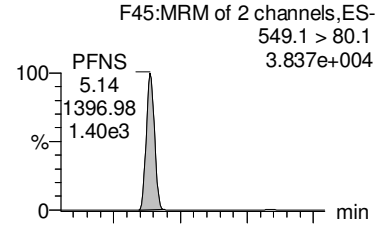


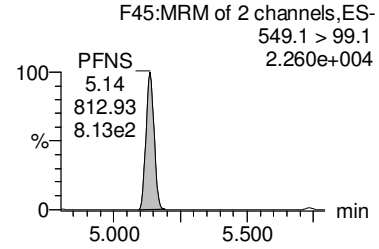
8:2 FTS



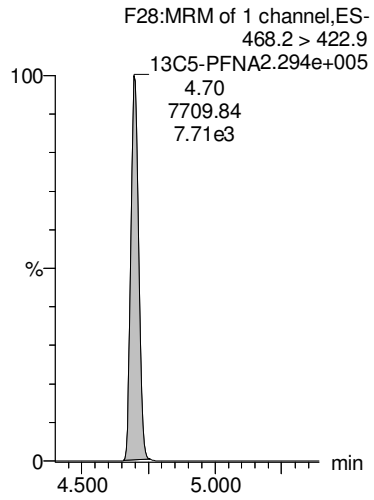


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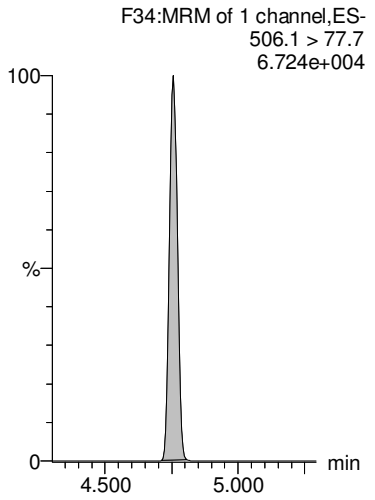




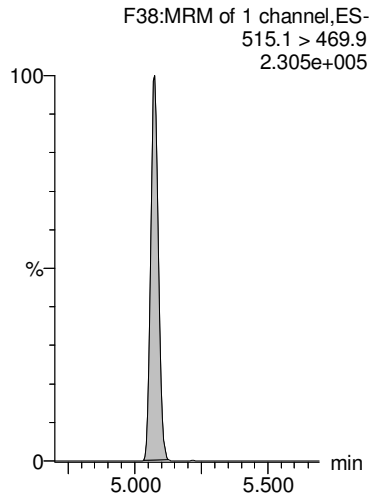
13C5-PFNA



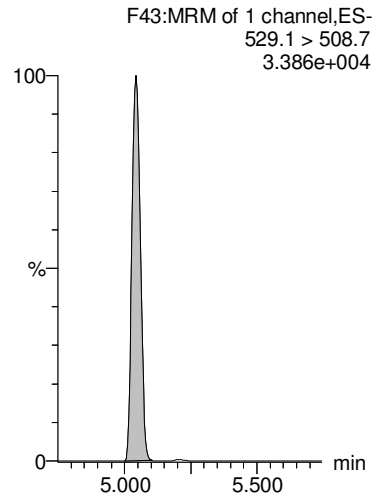
13C8-PFOSA



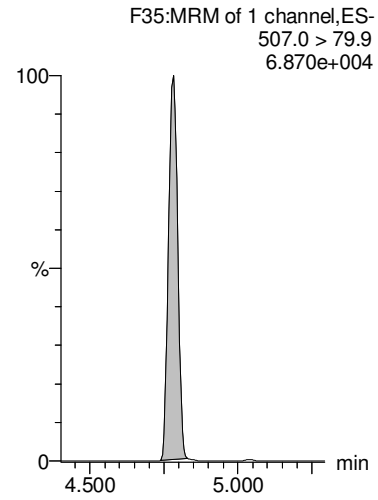
13C2-PFDA



13C2-8:2 FTS



13C8-PFOS



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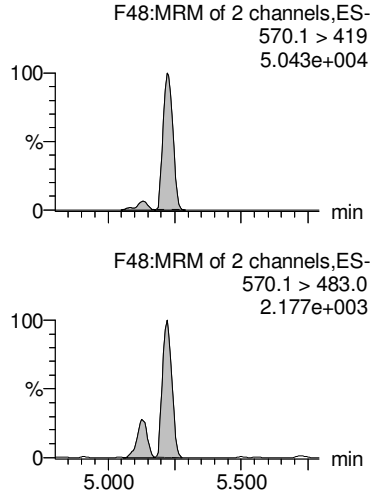
MMM 7/17/2018

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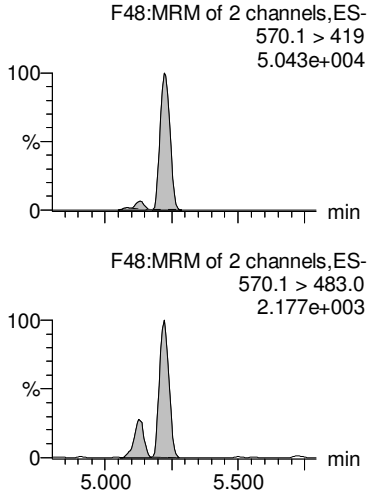
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Printed: Tuesday, July 17, 2018 15:09:53 Pacific Daylight Time

Name: 180713M2_57, Date: 14-Jul-2018, Time: 02:08:09, ID: B8G0006-BS1 OPR 0.25, Description: OPR

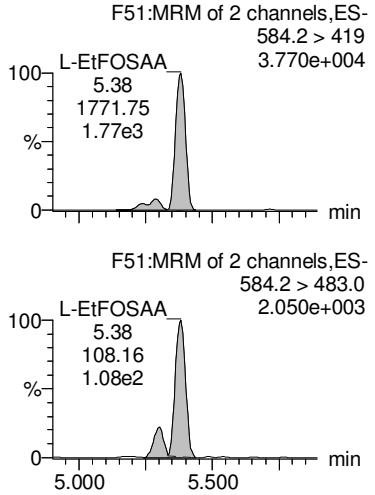
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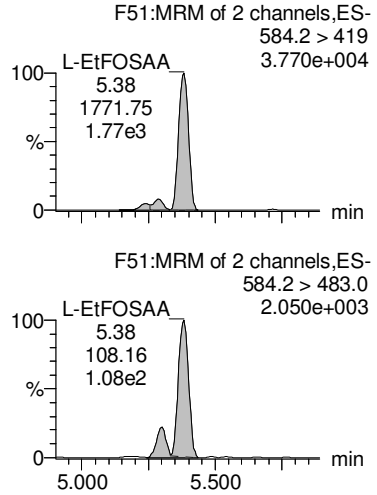
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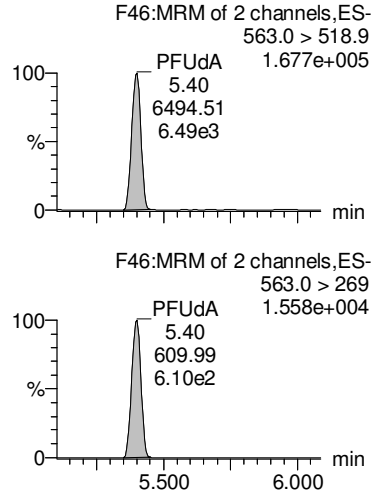
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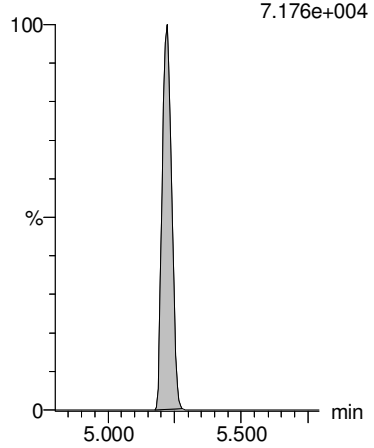
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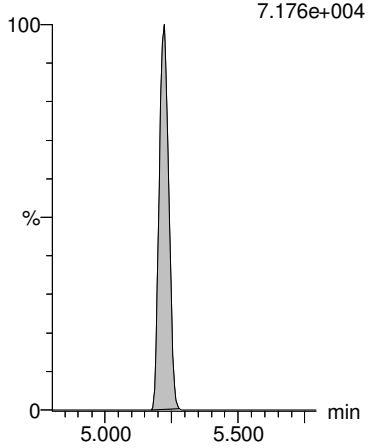
PFUdA



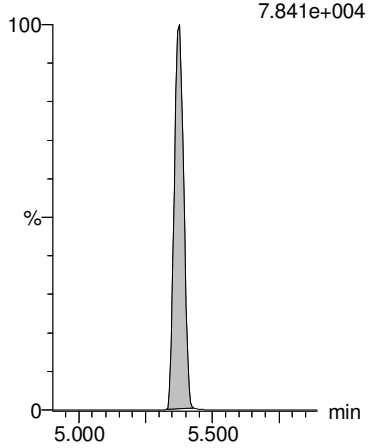
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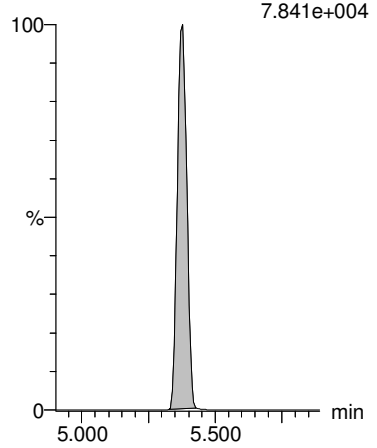
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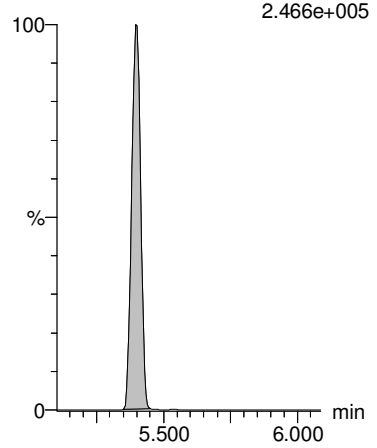
d5-N-EtFOSAA



d5-N-EtFOSAA



13C2-PFUdA



AD 7/17/2018

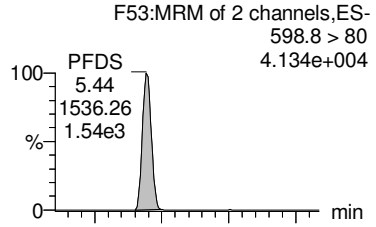
MMM 7/17/2018

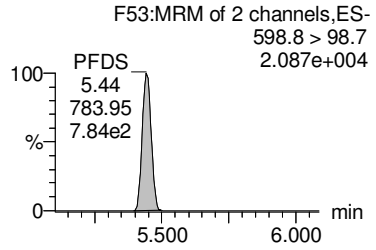
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Printed: Tuesday, July 17, 2018 15:09:53 Pacific Daylight Time

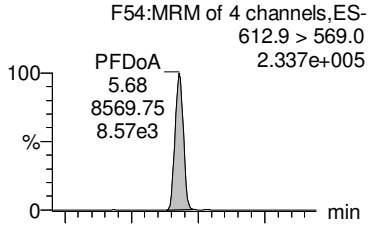
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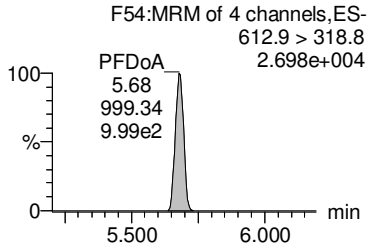
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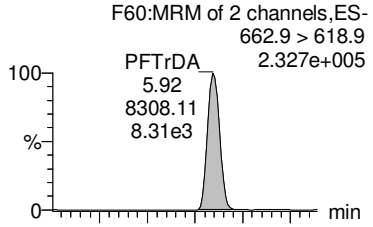


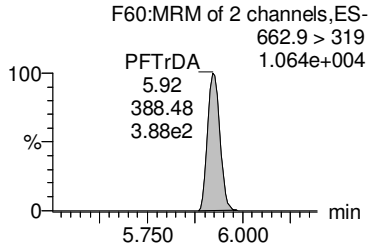
PFDoA



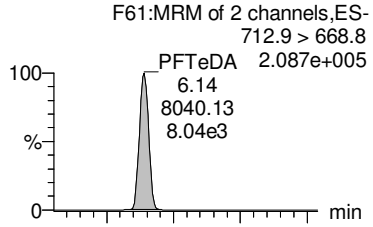


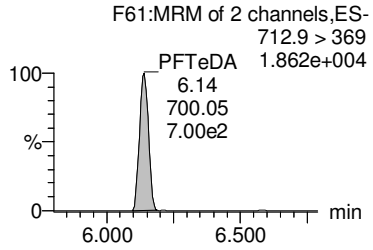
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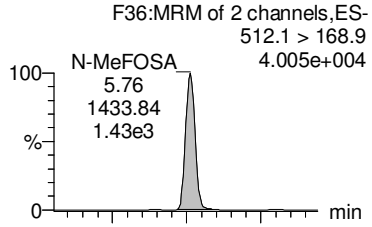


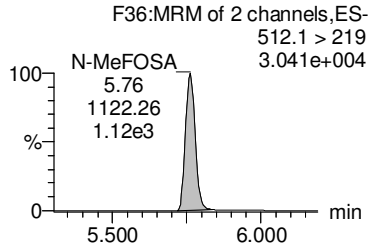
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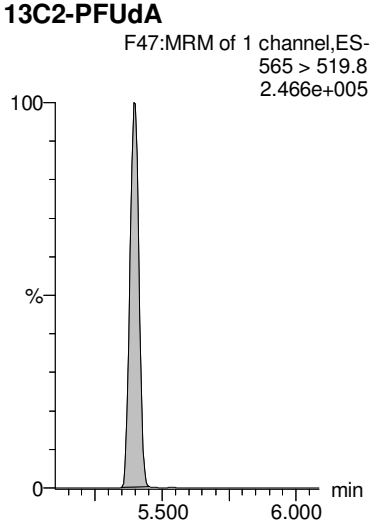


N-MeFOSA

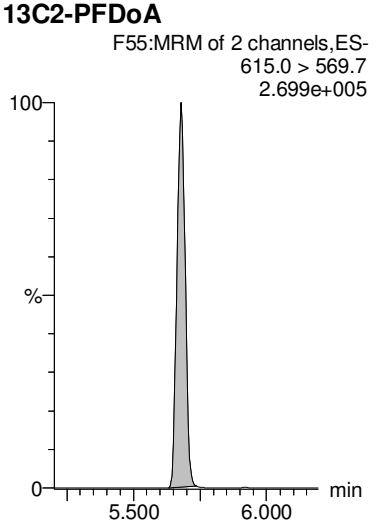




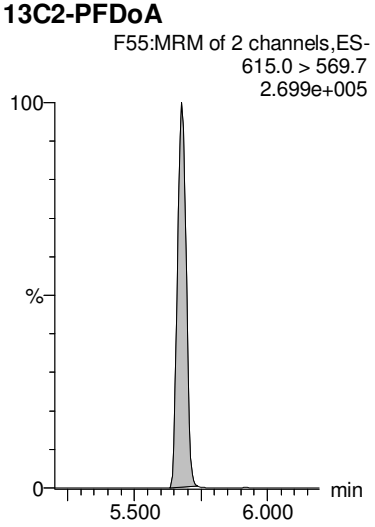
13C2-PFUdA



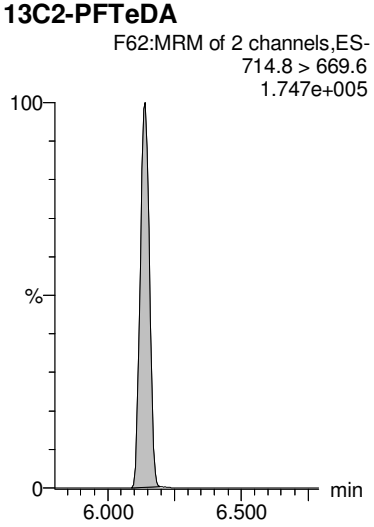
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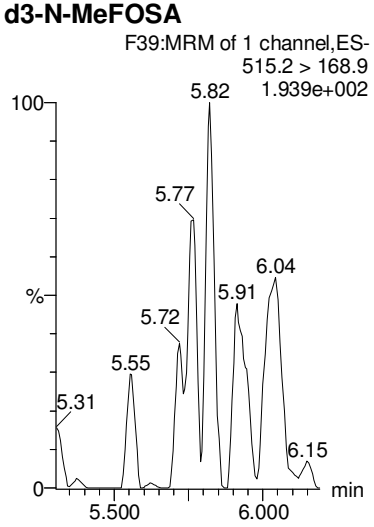
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13C2-PFTeDA



d3-N-MeFOSA



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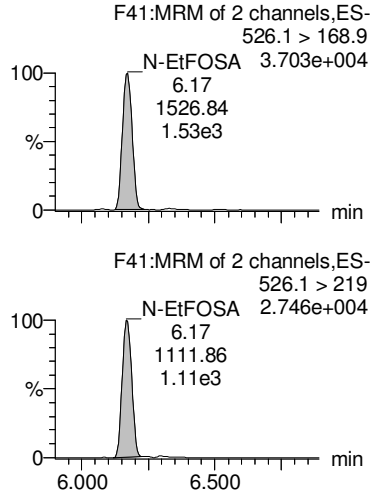
MMM 7/17/2018

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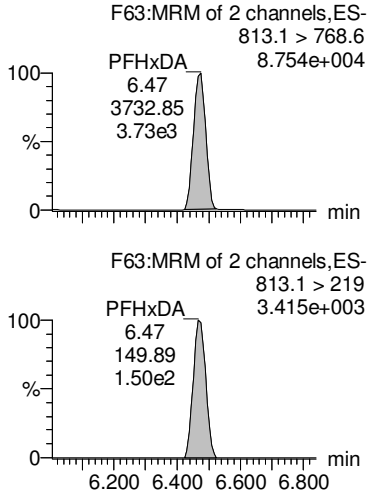
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Name: 180713M2_57, Date: 14-Jul-2018, Time: 02:08:09, ID: B8G0006-BS1 OPR 0.25, Description: OPR

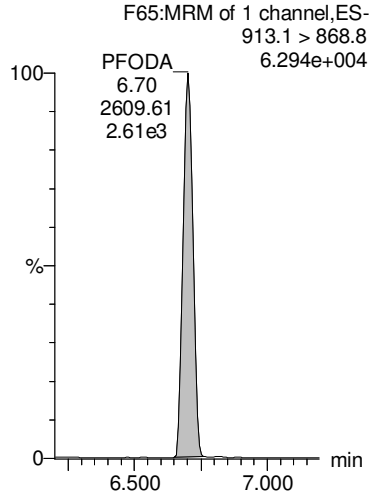
N-EtFOSA



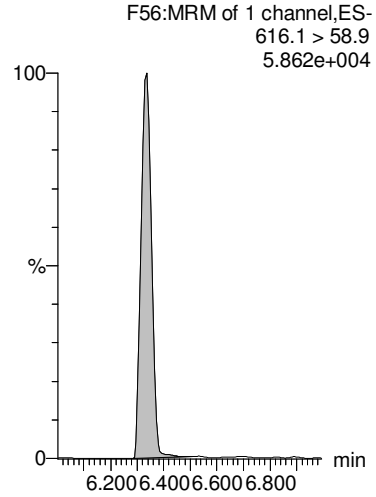
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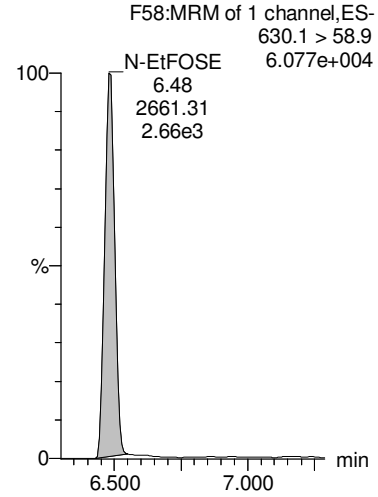
PFODA



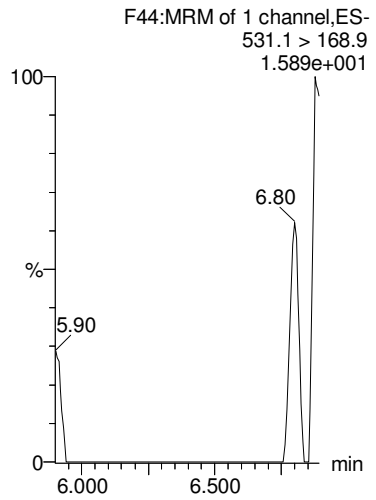
N-MeFOSE



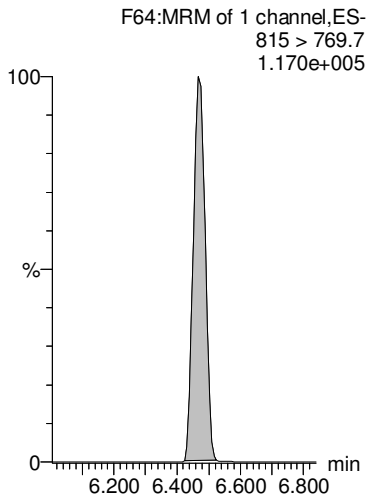
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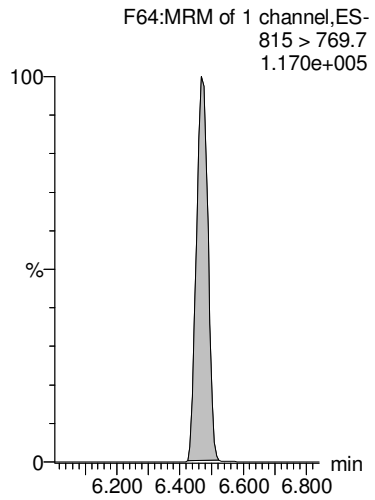
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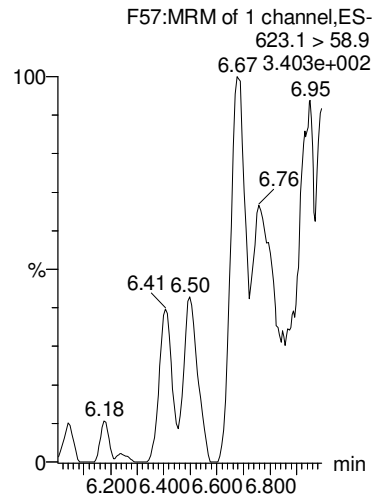
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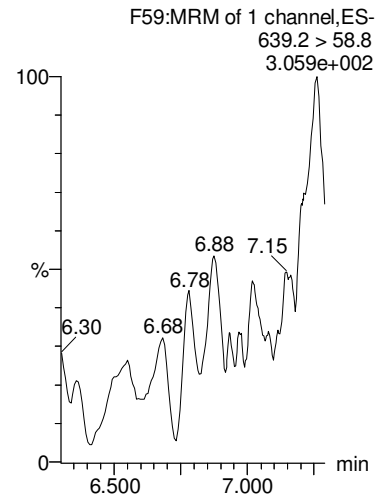
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d7-N-MeFOSE



d9-N-EtFOSE



AD 7/17/2018

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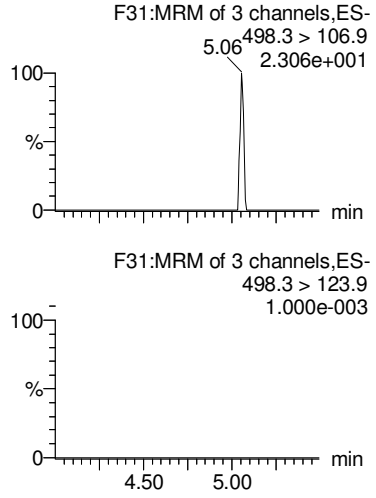
MMM 7/17/2018

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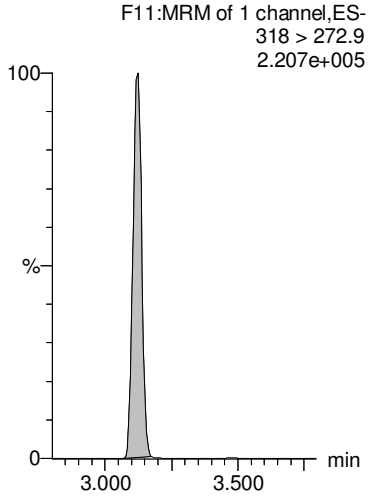
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Name: 180713M2_57, Date: 14-Jul-2018, Time: 02:08:09, ID: B8G0006-BS1 OPR 0.25, Description: OPR

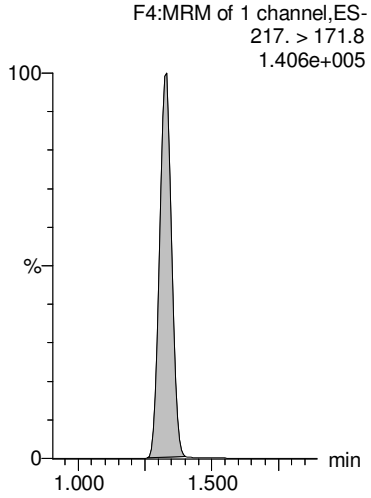
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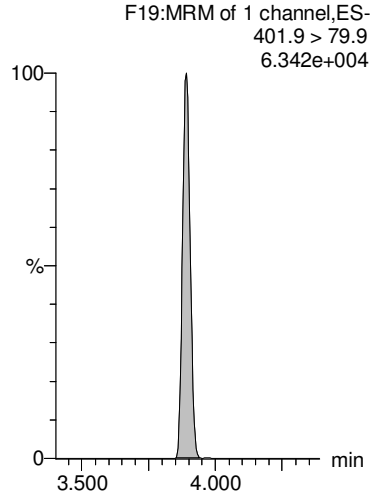
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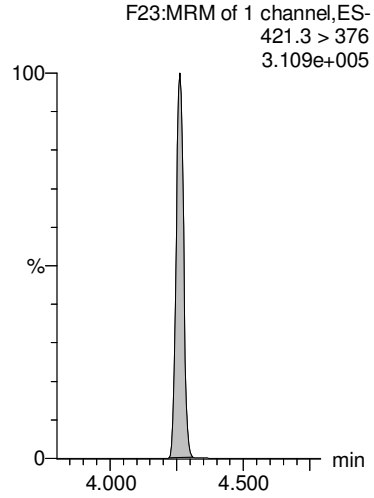
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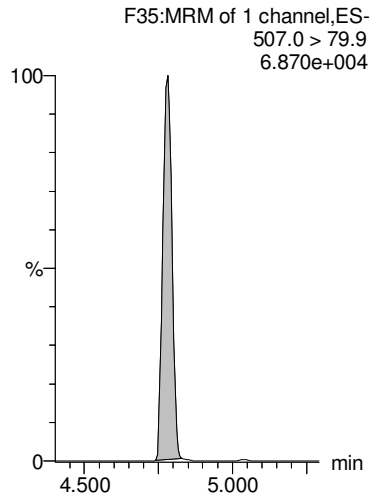
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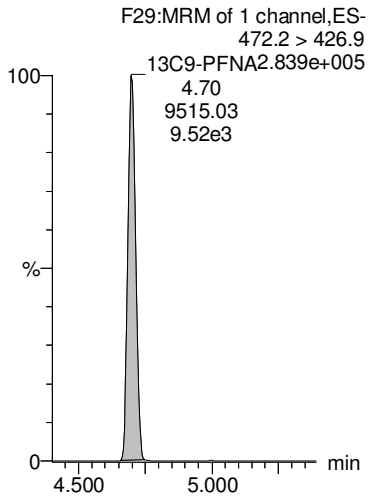
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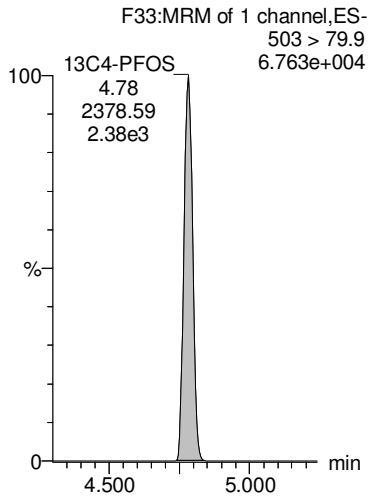
13C8-PFOS



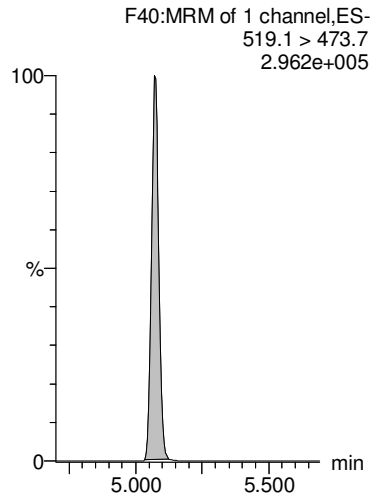
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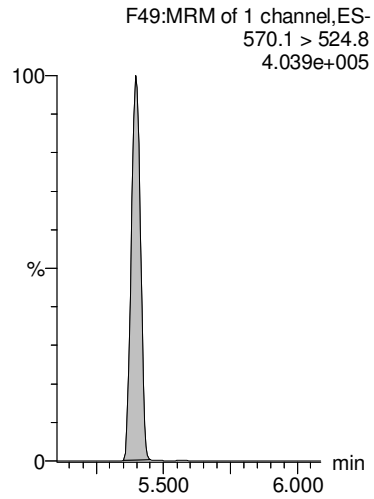
13C4-PFOS



13C6-PFDA



13C7-PFUdA



AD 7/17/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-61.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 14:38:04 Pacific Daylight Time
Printed: Thursday, July 19, 2018 14:38:38 Pacific Daylight Time

Name: 180713M2_61, Date: 14-Jul-2018, Time: 02:49:59, ID: 1801486-01 FT-SW10-20180626 0.24705, Description: FT-SW10-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	2.76e2	6.57e3	0.247	0.000	1.32	0.525	1.9865			
2	2	PFPeA	263.1 > 21...	2.50e2	8.16e3	0.247	0.000	2.33	0.383	1.5903			
3	3	PFBS	299.0 > 79.7		1.09e3	0.247							
4	5	PFHxA	313.2 > 26...		2.40e3	0.247							
5	7	PFHpA	363.0 > 31...	2.15e2	6.40e3	0.247	0.000	3.74	0.420	1.4970		21.1	NO
6	36	13C3-PFBA	216.1 > 17...	6.57e3	7.98e3	0.247	0.824	1.31	10.3	45.5373	90.0		
7	37	13C3-PFPeA	266. > 221.8	8.16e3	8.87e3	0.247	0.920	2.32	11.5	47.0947	93.1		
8	38	13C3-PFBS	302. > 98.8	1.09e3	8.87e3	0.247	0.123	2.62	1.54	52.0246	102.8		
9	40	13C2-PFHxA	315 > 269.8	2.40e3	8.87e3	0.247	0.676	3.12	3.38	18.3437	90.6		
10	41	13C4-PFHpA	367.2 > 32...	6.40e3	8.87e3	0.247	0.722	3.73	9.03	45.0619	89.1		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	1.25e1	8.05e2	0.247	0.000	3.88	0.195	0.6586		1.46	NO
13	68	Total PFHxS	398.9 > 79.6	1.25e1	8.05e2	0.247			0.195	0.6586			
14	10	6:2 FTS	427.1 > 407	5.73e-1	1.72e3	0.247	0.000	4.20	0.00417			0.103	YES
15	11	L-PFOA	413 > 368.7	4.07e2	7.29e3	0.247	0.000	4.26	0.698	2.6814		4.38	NO
16	69	Total PFOA	413 > 368.7	4.07e2	7.29e3	0.247			0.698	2.6814			
17	42	18O2-PFHxS	403.0 > 10...	8.05e2	2.21e3	0.247	0.364	3.89	4.55	45.0634	89.1		
18	42	18O2-PFHxS	403.0 > 10...	8.05e2	2.21e3	0.247	0.364	3.89	4.55	45.0634	89.1		
19	43	13C2-6:2 FTS	429.1 > 40...	1.72e3	9.80e3	0.247	0.175	4.20	2.19	41.7088	82.4		
20	44	13C2-PFOA	414.9 > 36...	7.29e3	9.80e3	0.247	0.744	4.26	9.30	39.7963	78.7		
21	44	13C2-PFOA	414.9 > 36...	7.29e3	9.80e3	0.247	0.744	4.26	9.30	39.7963	78.7		
22	-1												
23	13	PFHpS	449 > 80.0	1.28e1	2.15e3	0.247	0.000	4.38	0.0745	0.2834		0.841	YES
24	14	PFNA	463.0 > 41...	4.76e2	7.20e3	0.247	0.000	4.70	0.827	2.9102		3.32	NO
25	15	PFOSA	498.2 > 77.9		2.97e3	0.247							
26	16	L-PFOS	499.1 > 79.9	7.50e1	2.15e3	0.247	0.000	4.78	0.435	1.3191		5.75	YES
27	70	Total PFOS	499.1 > 79.9	7.50e1	2.15e3	0.247			0.435	1.3191			
28	47	13C8-PFOS	507.0 > 79.9	2.15e3	2.65e3	0.247	0.811	4.78	10.1	37.0125	73.2		
29	45	13C5-PFNA	468.2 > 42...	7.20e3	1.02e4	0.247	0.705	4.70	8.81	36.4010	71.9		
30	46	13C8-PFOSA	506.1 > 77.7	2.97e3	1.36e4	0.247	0.217	4.75	2.72	36.3106	71.8		
31	47	13C8-PFOS	507.0 > 79.9	2.15e3	2.65e3	0.247	0.811	4.78	10.1	37.0125	73.2		
32	47	13C8-PFOS	507.0 > 79.9	2.15e3	2.65e3	0.247	0.811	4.78	10.1	37.0125	73.2		
33	-1												
34	18	PFDA	513 > 468.8	1.62e2	7.73e3	0.247	0.000	5.07	0.262	0.8108		7.03	NO
35	19	8:2 FTS	527 > 506.9		1.50e3	0.247							
36	21	L-MeFOSAA	570.1 > 419		2.22e3	0.247							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.22e3	0.247			0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-61.qld MMM 7/20/2018

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Name: 180713M2_61, Date: 14-Jul-2018, Time: 02:49:59, ID: 1801486-01 FT-SW10-20180626 0.24705, Description: FT-SW10-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	6.95e2	9.32e3	0.247	0.000	5.39	0.932	3.4168		17.4	YES
39	48	13C2-PFDA	515.1 > 46...	7.73e3	1.03e4	0.247	0.752	5.07	9.39	37.7639	74.6		
40	49	13C2-8:2 FTS	529.1 > 50...	1.50e3	8.87e3	0.247	0.170	5.04	2.12	43.9587	86.9		
41	50	d3-N-MeFOSAA	573.3 > 419	2.22e3	1.36e4	0.247	0.162	5.22	2.03	31.8003	62.9		
42	50	d3-N-MeFOSAA	573.3 > 419	2.22e3	1.36e4	0.247	0.162	5.22	2.03	31.8003	62.9		
43	52	13C2-PFUdA	565 > 519.8	9.32e3	1.36e4	0.247	0.683	5.39	8.54	38.1682	75.4		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		3.69e3	0.247							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.69e3	0.247			0.000				
47	26	PFDS	598.8 > 80	3.41e0	9.32e3	0.247	0.000	5.44	0.00457	0.1892		0.269	YES
48	27	PFDoA	612.9 > 56...	1.11e2	8.80e3	0.247	0.000	5.68	0.158	0.8401		59.5	YES
49	29	PFTrDA	662.9 > 61...	3.16e2	8.80e3	0.247	0.000	5.92	0.449	1.2889		41.8	YES
50	51	d5-N-EtFOSAA	589.3 > 419	3.69e3	1.36e4	0.247	0.270	5.38	3.38	48.8425	96.5		
51	51	d5-N-EtFOSAA	589.3 > 419	3.69e3	1.36e4	0.247	0.270	5.38	3.38	48.8425	96.5		
52	52	13C2-PFUdA	565 > 519.8	9.32e3	1.36e4	0.247	0.683	5.39	8.54	38.1682	75.4		
53	53	13C2-PFDoA	615.0 > 56...	8.80e3	1.03e4	0.247	0.855	5.68	10.7	34.2847	67.8		
54	53	13C2-PFDoA	615.0 > 56...	8.80e3	1.03e4	0.247	0.855	5.68	10.7	34.2847	67.8		
55	-1												
56	30	PFTeDA	712.9 > 66...		3.17e3	0.247							
57	73	TCDA	498.3>106.9			0.247							
58	60	13C4-PFBA	217. > 171.8	7.98e3	7.98e3	0.247	1.00	1.32	12.5	50.5970	100.0		
59	61	13C5-PFHxA	318 > 272.9	8.87e3	8.87e3	0.247	1.00	3.12	12.5	50.5970	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	2.21e3	2.21e3	0.247	1.00	3.89	12.5	50.5970	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	3.17e3	1.36e4	0.247	0.232	6.13	2.91	20.4812	40.5		
62	47	13C8-PFOS	507.0 > 79.9	2.15e3	2.65e3	0.247	0.811	4.78	10.1	37.0125	73.2		
63	63	13C8-PFOA	421.3 > 376	9.80e3	9.80e3	0.247	1.00	4.26	12.5	50.5970	100.0		
64	64	13C9-PFNA	472.2 > 42...	1.02e4	1.02e4	0.247	1.00	4.70	12.5	50.5970	100.0		
65	65	13C4-PFOS	503 > 79.9	2.65e3	2.65e3	0.247	1.00	4.78	12.5	50.5970	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	1.03e4	1.03e4	0.247	1.00	5.07	12.5	50.5970	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.36e4	1.36e4	0.247	1.00	5.39	12.5	50.5970	100.0		

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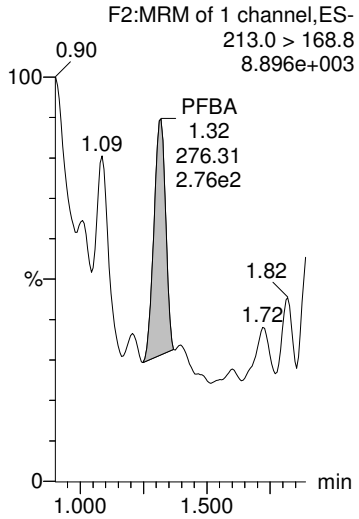
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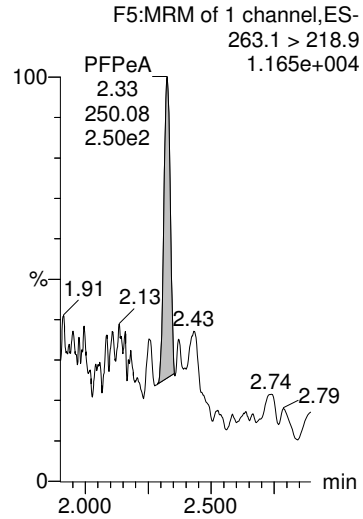
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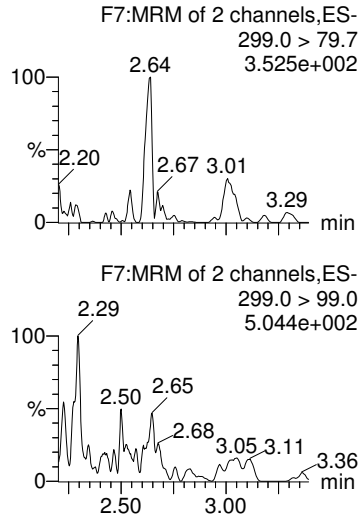
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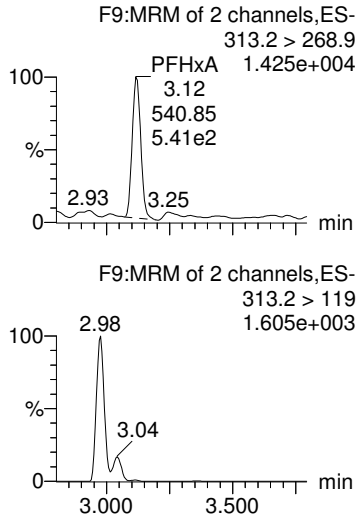
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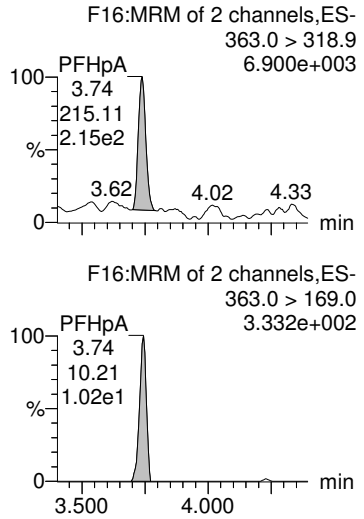
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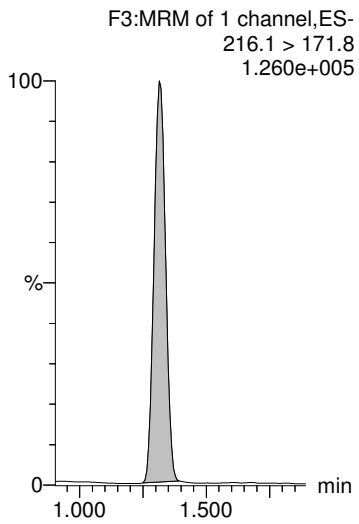
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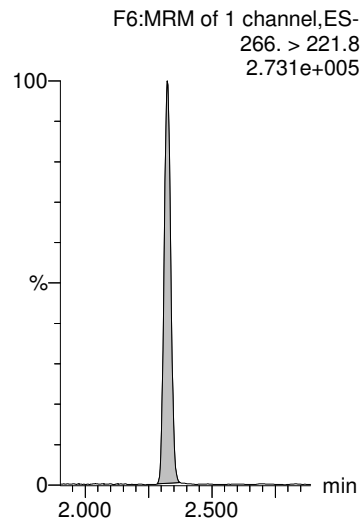
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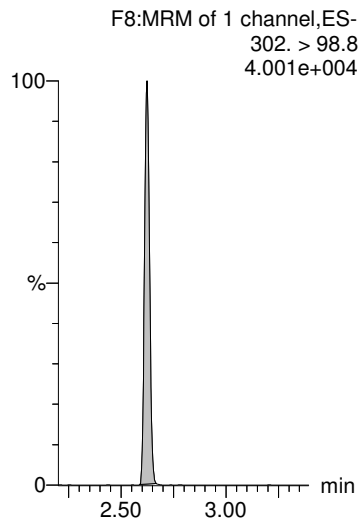
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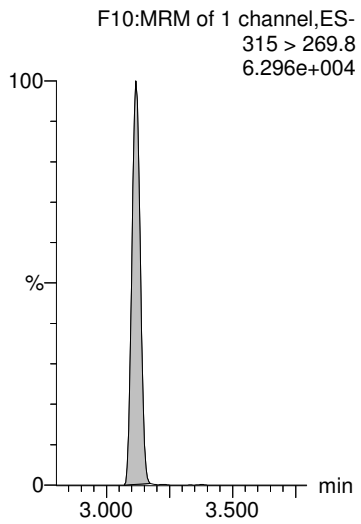
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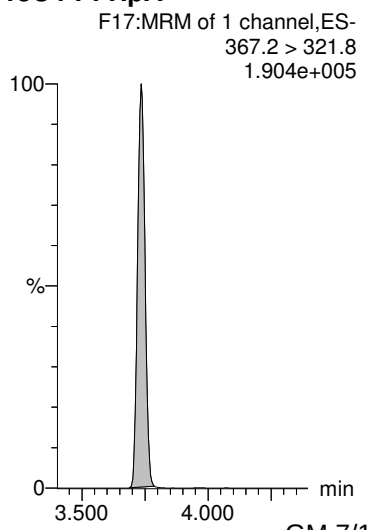
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13C2-PFHxA



13C4-PFHpA



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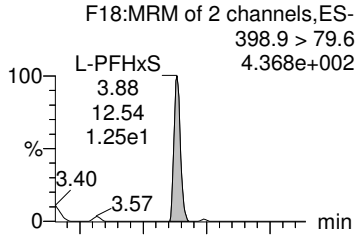
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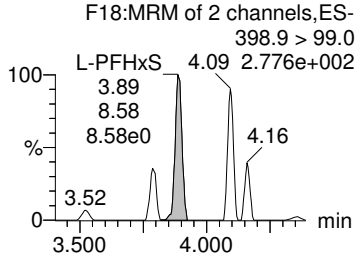
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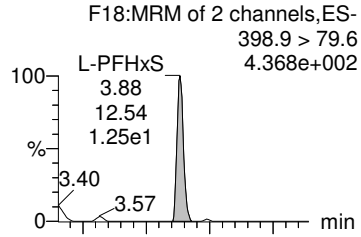
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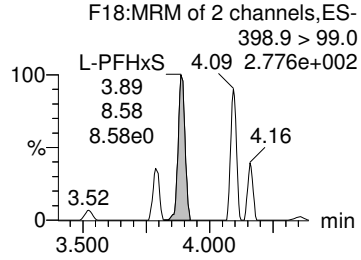
L-PFHxS



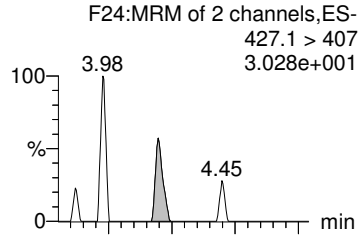


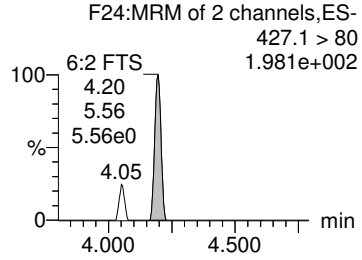
Total PFHxS



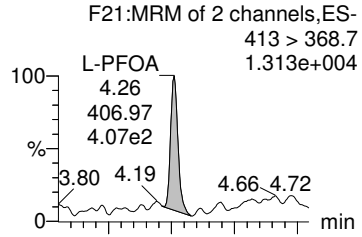


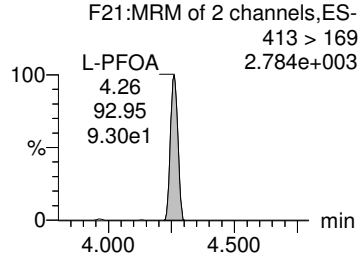
6:2 FTS



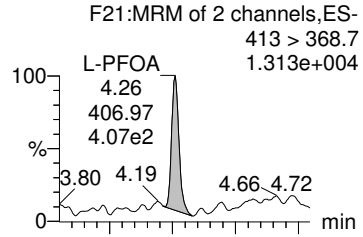


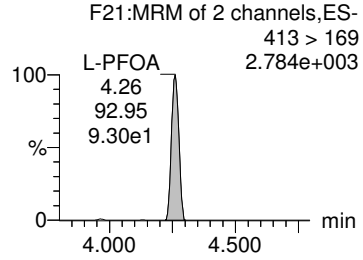
L-PFOA



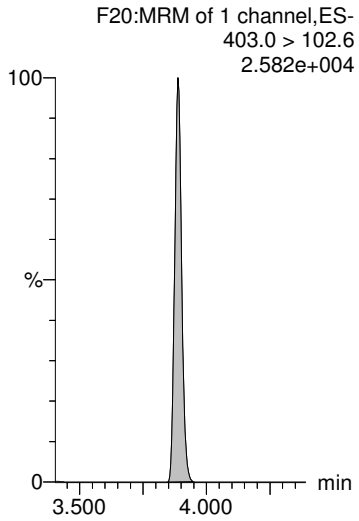


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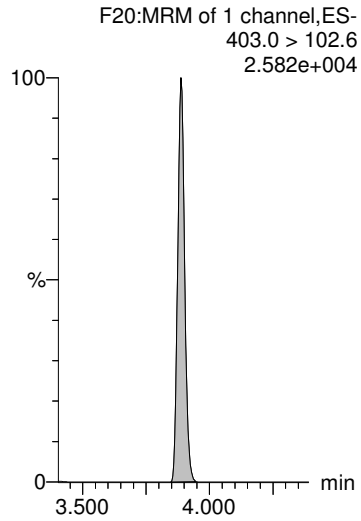




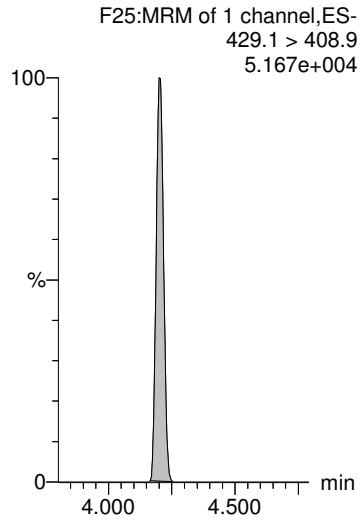
18O2-PFHxS



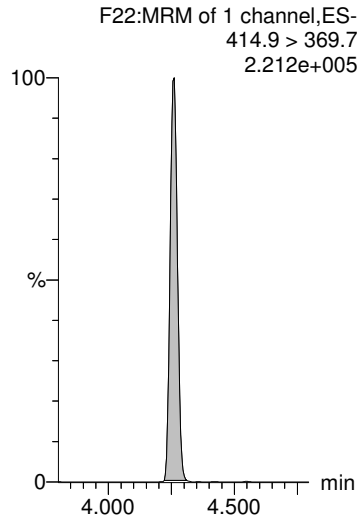
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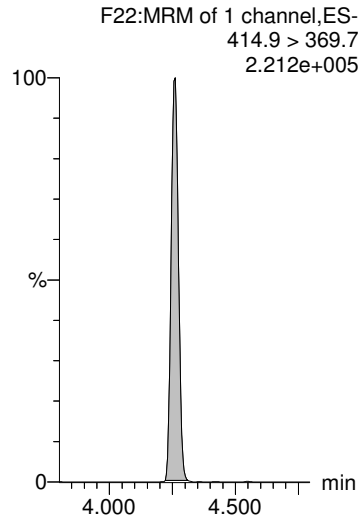
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



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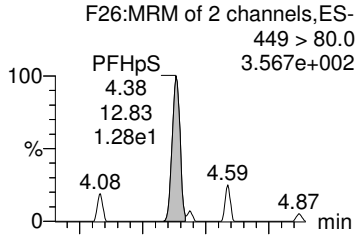
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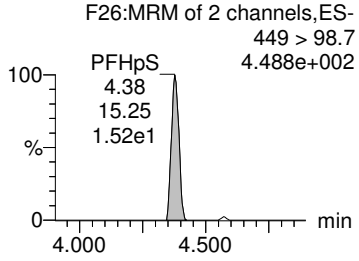
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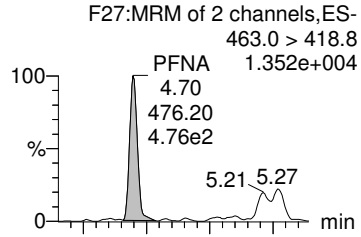
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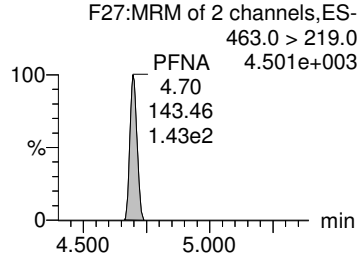
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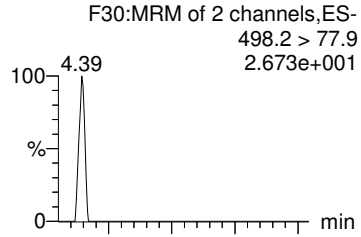


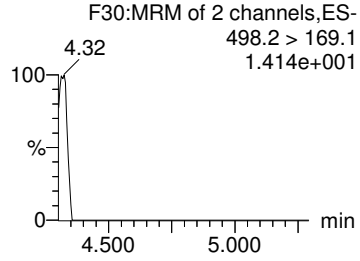
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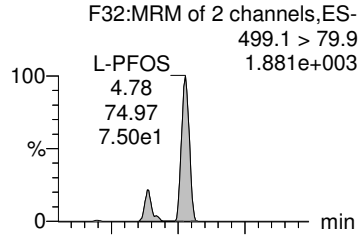


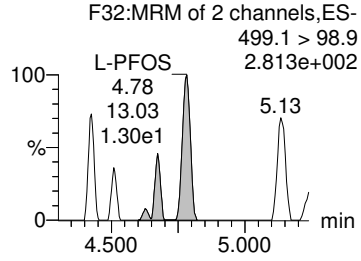
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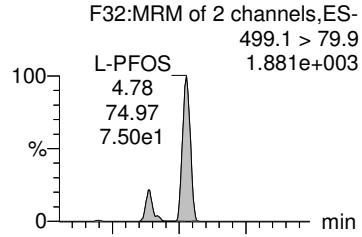


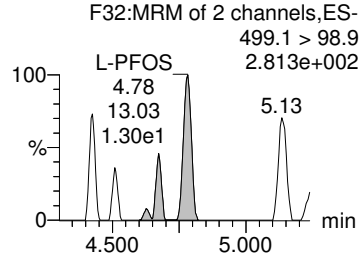
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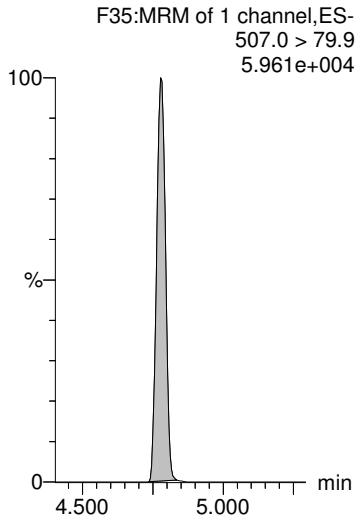


Total PFOS

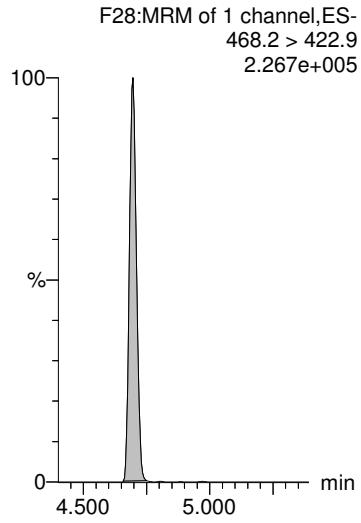




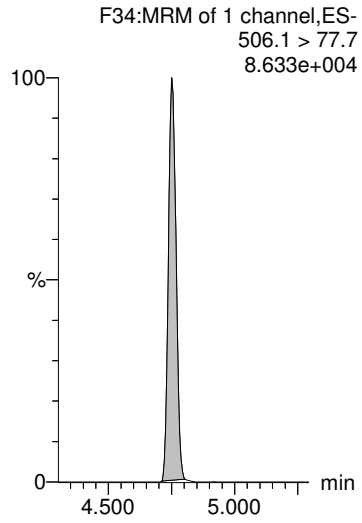
13C8-PFOS



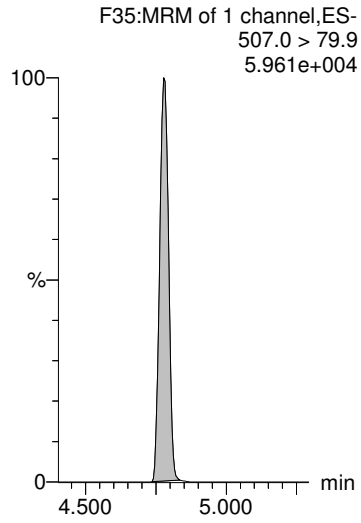
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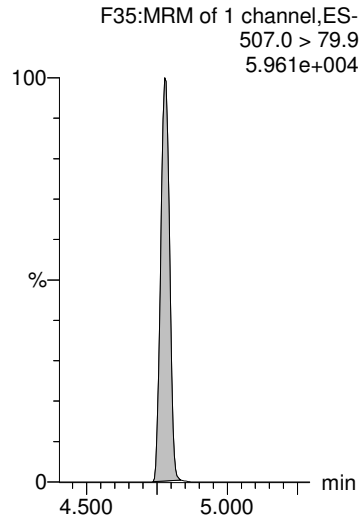
13C8-PFOSA



13C8-PFOS



13C8-PFOS



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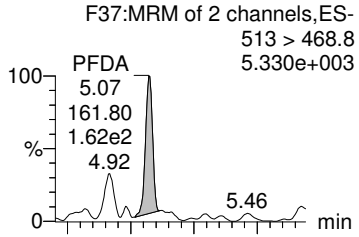
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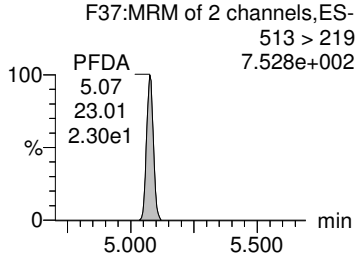
MMM 7/20/2018

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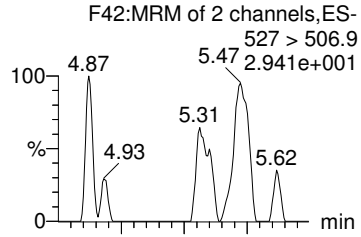
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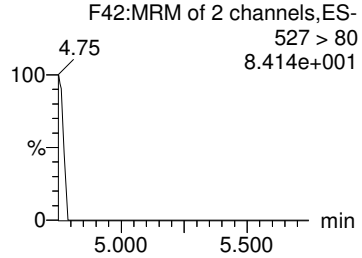
PFDA



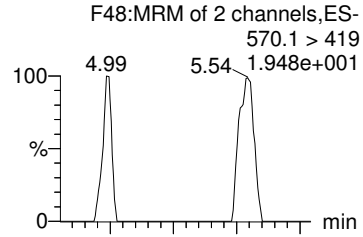


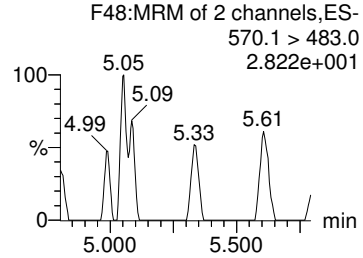
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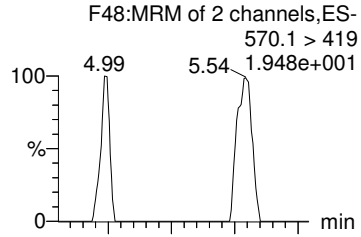


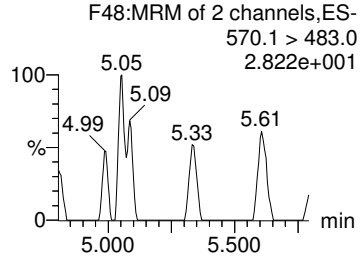
L-MeFOSAA



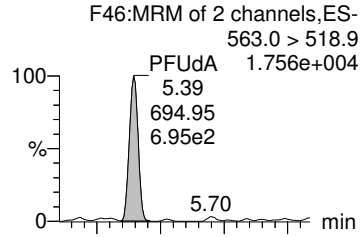


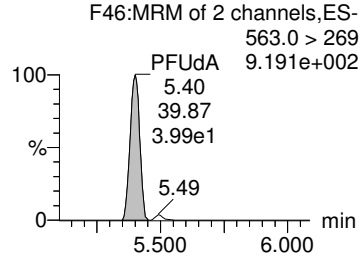
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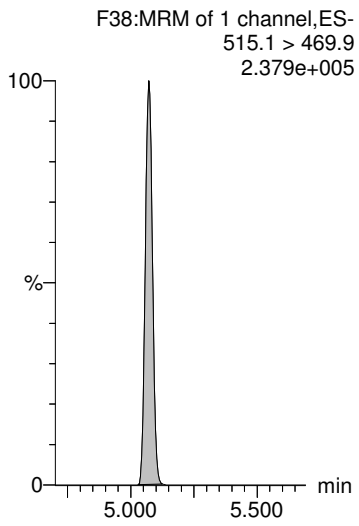


PFUdA

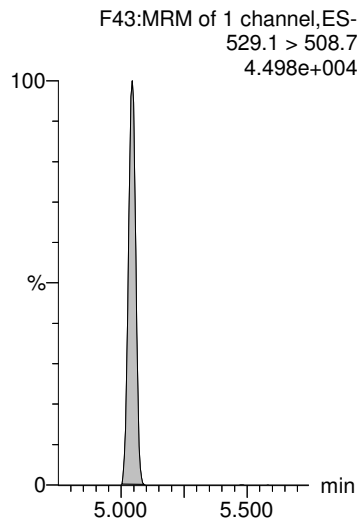




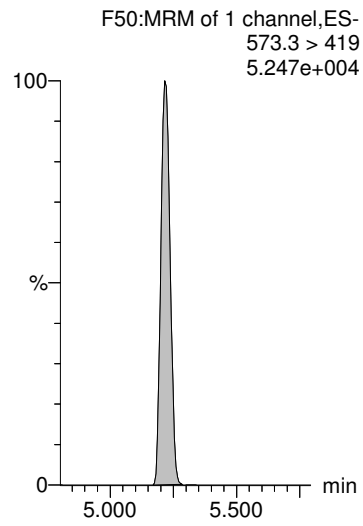
13C2-PFDA



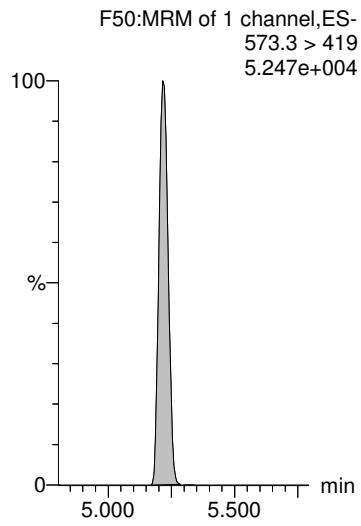
13C2-8:2 FTS



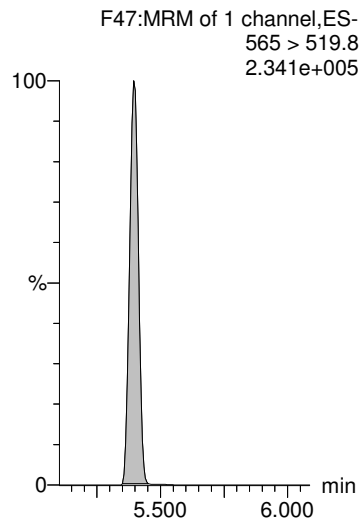
d3-N-MeFOSAA



d3-N-MeFOSAA



13C2-PFUdA



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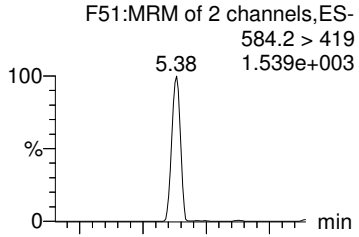
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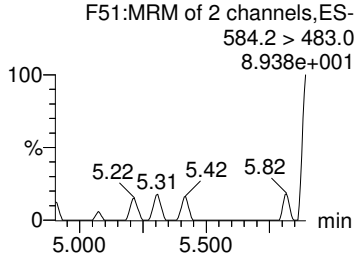
MMM 7/20/2018

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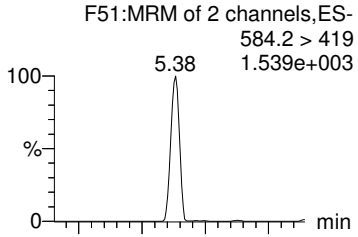
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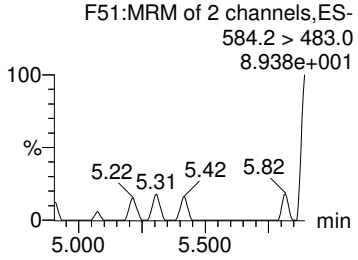
L-EtFOSAA



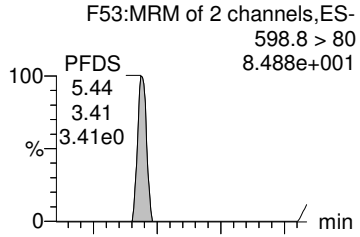


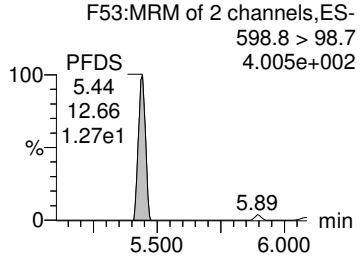
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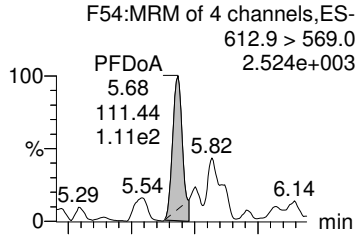


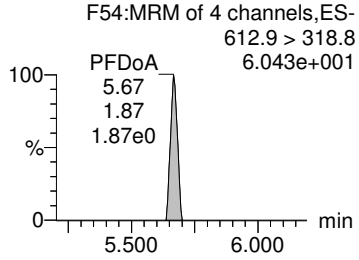
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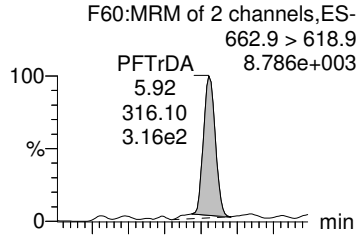


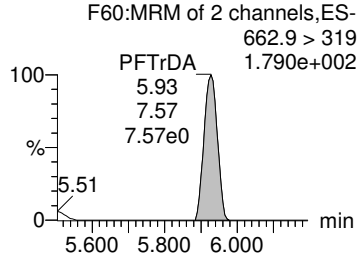
PFDoA



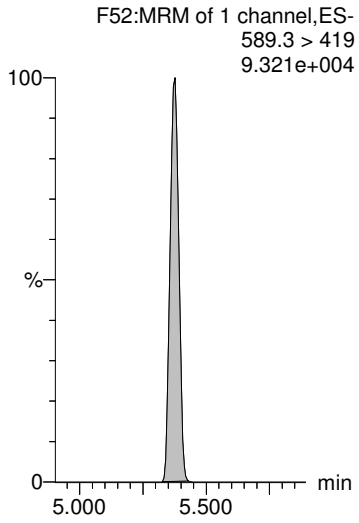


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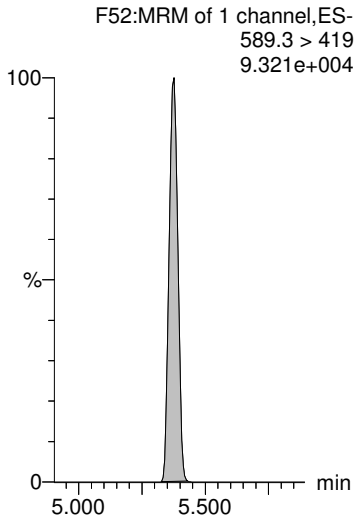




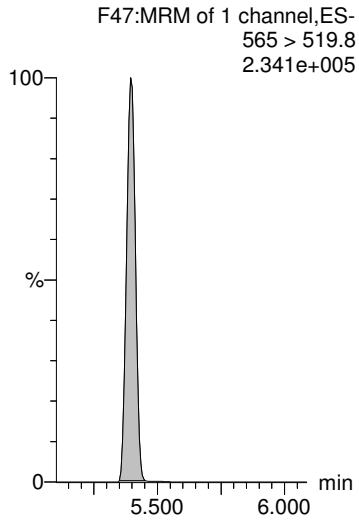
d5-N-EtFOSAA



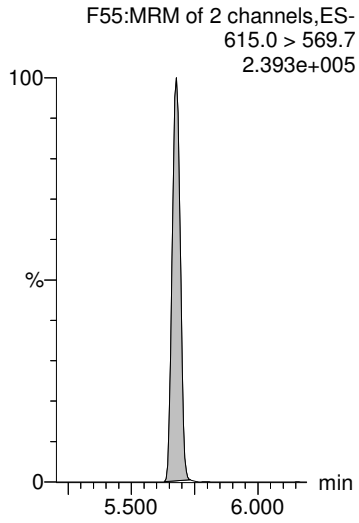
d5-N-EtFOSAA



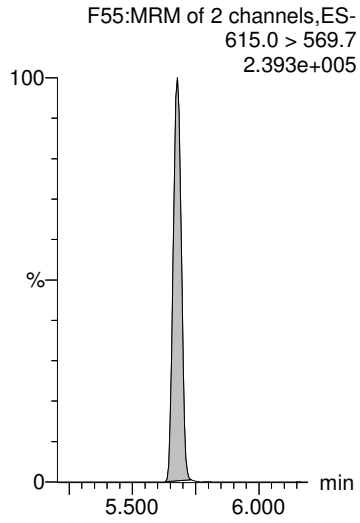
13C2-PFUdA



13C2-PFDoA



13C2-PFDoA



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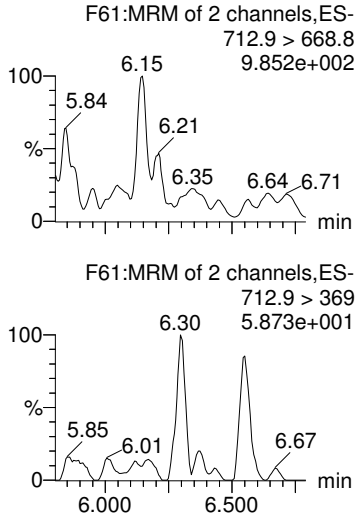
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MMM 7/20/2018

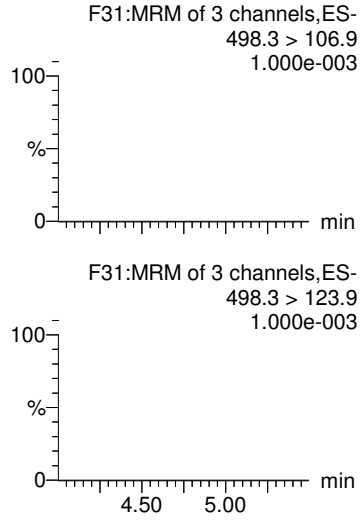
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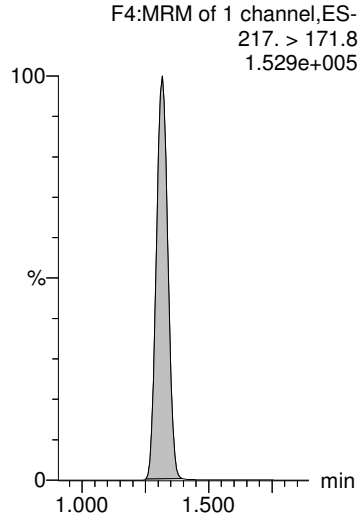
PFTeDA



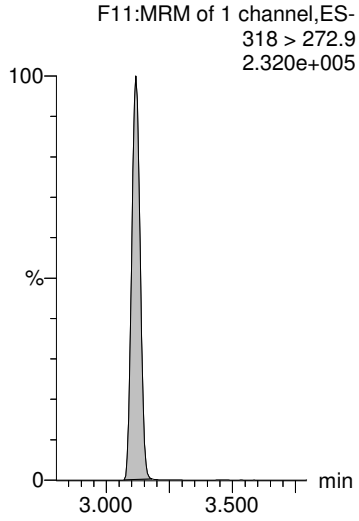
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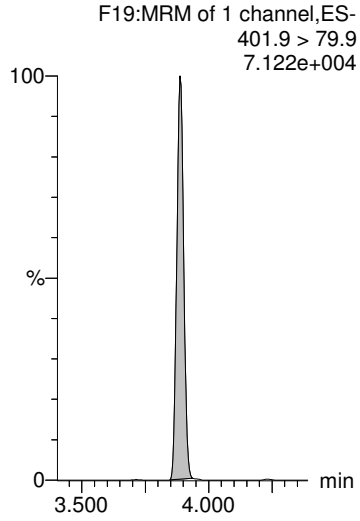
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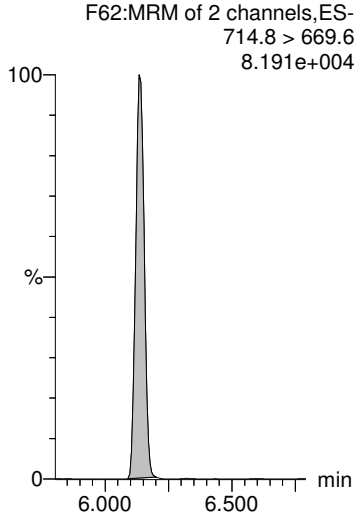
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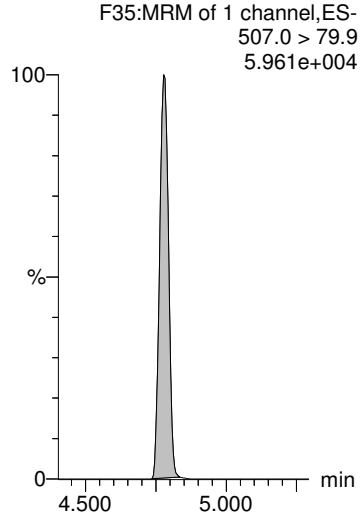
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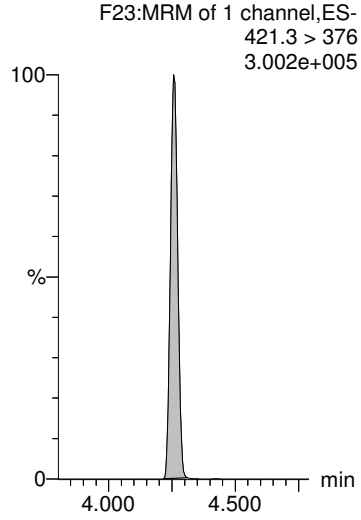
13C2-PFTeDA



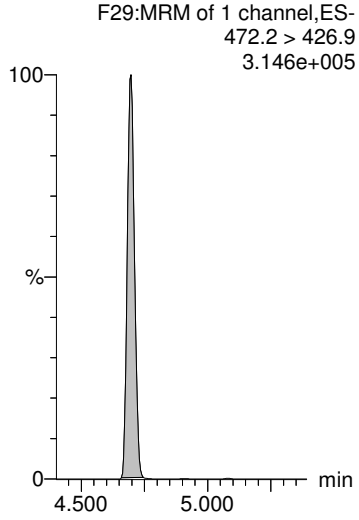
13C8-PFOS



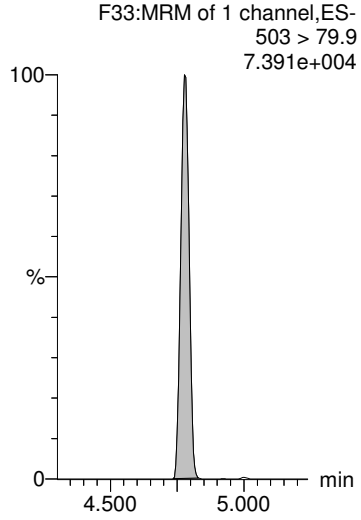
13C8-PFOA



13C9-PFNA



13C4-PFOS



GM 7/19/2018

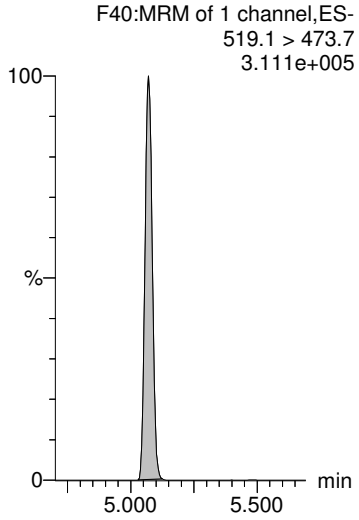
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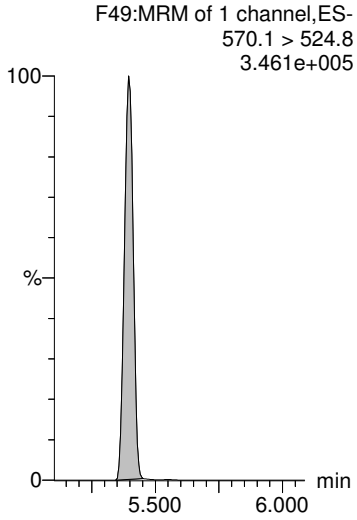
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Printed: Thursday, July 19, 2018 14:38:38 Pacific Daylight Time

Name: 180713M2_61, Date: 14-Jul-2018, Time: 02:49:59, ID: 1801486-01 FT-SW10-20180626 0.24705, Description: FT-SW10-20180626

13C6-PFDA



13C7-PFUdA



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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-62.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 14:50:11 Pacific Daylight Time
Printed: Thursday, July 19, 2018 14:50:44 Pacific Daylight Time

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	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	8.70e2	7.28e3	0.244	0.000	1.33	1.50	5.4370			
2	2	PFPeA	263.1 > 21...	1.62e3	9.02e3	0.244	0.000	2.32	2.24	8.8816			
3	3	PFBS	299.0 > 79.7	2.99e1	1.15e3	0.244	0.000	2.62	0.326	0.7280		1.81	YES
4	5	PFHxA	313.2 > 26...	2.00e3	2.55e3	0.244	0.000	3.12	3.94	9.6312		301	NO
5	7	PFHpA	363.0 > 31...	1.41e3	7.34e3	0.244	0.000	3.73	2.41	8.6291		15.2	NO
6	36	13C3-PFBA	216.1 > 17...	7.28e3	8.38e3	0.244	0.868	1.33	10.9	48.6119	94.8		
7	37	13C3-PFPeA	266. > 221.8	9.02e3	9.60e3	0.244	0.939	2.32	11.7	48.7254	95.0		
8	38	13C3-PFBS	302. > 98.8	1.15e3	9.60e3	0.244	0.120	2.62	1.49	51.1538	99.7		
9	40	13C2-PFHxA	315 > 269.8	2.55e3	9.60e3	0.244	0.663	3.12	3.31	18.2250	88.8		
10	41	13C4-PFHpA	367.2 > 32...	7.34e3	9.60e3	0.244	0.765	3.73	9.56	48.3655	94.3		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	7.28e2	7.29e2	0.244	0.000	3.89	12.5	27.2445		1.80	NO
13	68	Total PFHxS	398.9 > 79.6	7.28e2	7.29e2	0.244			12.5	27.2445			
14	10	6:2 FTS	427.1 > 407	4.04e0	1.60e3	0.244	0.000	4.21	0.0316			0.660	YES
15	11	L-PFOA	413 > 368.7	4.23e3	8.62e3	0.244	0.000	4.26	6.13	24.2317		4.16	NO
16	69	Total PFOA	413 > 368.7	4.71e3	8.62e3	0.244			6.83	26.9530			
17	42	18O2-PFHxS	403.0 > 10...	7.29e2	2.12e3	0.244	0.345	3.89	4.31	43.2261	84.3		
18	42	18O2-PFHxS	403.0 > 10...	7.29e2	2.12e3	0.244	0.345	3.89	4.31	43.2261	84.3		
19	43	13C2-6:2 FTS	429.1 > 40...	1.60e3	9.54e3	0.244	0.167	4.20	2.09	40.3600	78.7		
20	44	13C2-PFOA	414.9 > 36...	8.62e3	9.54e3	0.244	0.903	4.26	11.3	48.9738	95.5		
21	44	13C2-PFOA	414.9 > 36...	8.62e3	9.54e3	0.244	0.903	4.26	11.3	48.9738	95.5		
22	-1												
23	13	PFHpS	449 > 80.0	1.56e1	2.55e3	0.244	0.000	4.37	0.0764	0.2969		1.31	YES
24	14	PFNA	463.0 > 41...	8.54e3	8.16e3	0.244	0.000	4.70	13.1	46.4497		4.48	NO
25	15	PFOSA	498.2 > 77.9		3.45e3	0.244							
26	16	L-PFOS	499.1 > 79.9	7.05e2	2.55e3	0.244	0.000	4.78	3.46	16.1362		2.05	NO
27	70	Total PFOS	499.1 > 79.9	7.05e2	2.55e3	0.244			3.46	16.1362			
28	47	13C8-PFOS	507.0 > 79.9	2.55e3	2.97e3	0.244	0.858	4.78	10.7	39.6575	77.3		
29	45	13C5-PFNA	468.2 > 42...	8.16e3	1.06e4	0.244	0.770	4.70	9.63	40.3317	78.6		
30	46	13C8-PFOSA	506.1 > 77.7	3.45e3	1.40e4	0.244	0.247	4.75	3.09	41.8253	81.6		
31	47	13C8-PFOS	507.0 > 79.9	2.55e3	2.97e3	0.244	0.858	4.78	10.7	39.6575	77.3		
32	47	13C8-PFOS	507.0 > 79.9	2.55e3	2.97e3	0.244	0.858	4.78	10.7	39.6575	77.3		
33	-1												
34	18	PFDA	513 > 468.8	6.15e2	8.24e3	0.244	0.000	5.07	0.932	2.9587		11.2	YES
35	19	8:2 FTS	527 > 506.9		1.61e3	0.244							
36	21	L-MeFOSAA	570.1 > 419		3.44e3	0.244							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	3.44e3	0.244			0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-62.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 14:50:11 Pacific Daylight Time
Printed: Thursday, July 19, 2018 14:50:44 Pacific Daylight Time

Name: 180713M2_62, Date: 14-Jul-2018, Time: 03:00:30, ID: 1801486-02 FT-SW12-20180626 0.24374, Description: FT-SW12-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	2.69e3	1.08e4	0.244	0.000	5.39	3.11	11.8229		16.6	YES
39	48	13C2-PFDA	515.1 > 46...	8.24e3	9.71e3	0.244	0.849	5.07	10.6	43.2176	84.3		
40	49	13C2-8:2 FTS	529.1 > 50...	1.61e3	9.60e3	0.244	0.168	5.04	2.09	44.0507	85.9		
41	50	d3-N-MeFOSAA	573.3 > 419	3.44e3	1.40e4	0.244	0.246	5.22	3.08	48.8762	95.3		
42	50	d3-N-MeFOSAA	573.3 > 419	3.44e3	1.40e4	0.244	0.246	5.22	3.08	48.8762	95.3		
43	52	13C2-PFUdA	565 > 519.8	1.08e4	1.40e4	0.244	0.773	5.39	9.66	43.8009	85.4		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		3.44e3	0.244							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.44e3	0.244			0.000				
47	26	PFDS	598.8 > 80		1.08e4	0.244							
48	27	PFDoA	612.9 > 56...		1.12e4	0.244							
49	29	PFTrDA	662.9 > 61...		1.12e4	0.244							
50	51	d5-N-EtFOSAA	589.3 > 419	3.44e3	1.40e4	0.244	0.246	5.37	3.08	45.1028	87.9		
51	51	d5-N-EtFOSAA	589.3 > 419	3.44e3	1.40e4	0.244	0.246	5.37	3.08	45.1028	87.9		
52	52	13C2-PFUdA	565 > 519.8	1.08e4	1.40e4	0.244	0.773	5.39	9.66	43.8009	85.4		
53	53	13C2-PFDoA	615.0 > 56...	1.12e4	9.71e3	0.244	1.16	5.68	14.5	47.0195	91.7		
54	53	13C2-PFDoA	615.0 > 56...	1.12e4	9.71e3	0.244	1.16	5.68	14.5	47.0195	91.7		
55	-1												
56	30	PFTeDA	712.9 > 66...		5.31e3	0.244							
57	73	TCDA	498.3>106.9			0.244							
58	60	13C4-PFBA	217. > 171.8	8.38e3	8.38e3	0.244	1.00	1.33	12.5	51.2842	100.0		
59	61	13C5-PFHxA	318 > 272.9	9.60e3	9.60e3	0.244	1.00	3.12	12.5	51.2842	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	2.12e3	2.12e3	0.244	1.00	3.89	12.5	51.2842	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	5.31e3	1.40e4	0.244	0.380	6.13	4.75	33.9497	66.2		
62	47	13C8-PFOS	507.0 > 79.9	2.55e3	2.97e3	0.244	0.858	4.78	10.7	39.6575	77.3		
63	63	13C8-PFOA	421.3 > 376	9.54e3	9.54e3	0.244	1.00	4.26	12.5	51.2842	100.0		
64	64	13C9-PFNA	472.2 > 42...	1.06e4	1.06e4	0.244	1.00	4.70	12.5	51.2842	100.0		
65	65	13C4-PFOS	503 > 79.9	2.97e3	2.97e3	0.244	1.00	4.78	12.5	51.2842	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	9.71e3	9.71e3	0.244	1.00	5.07	12.5	51.2842	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.40e4	1.40e4	0.244	1.00	5.39	12.5	51.2842	100.0		

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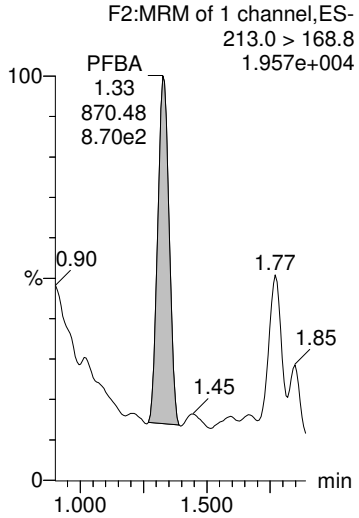
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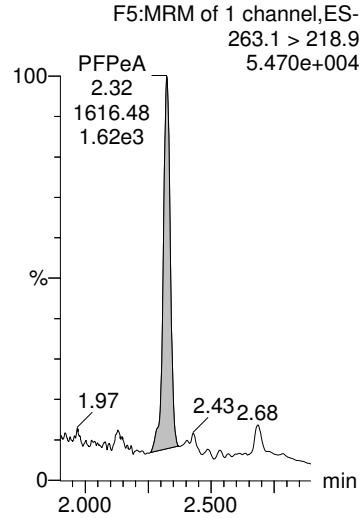
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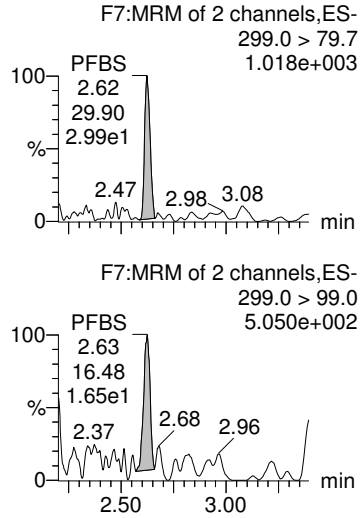
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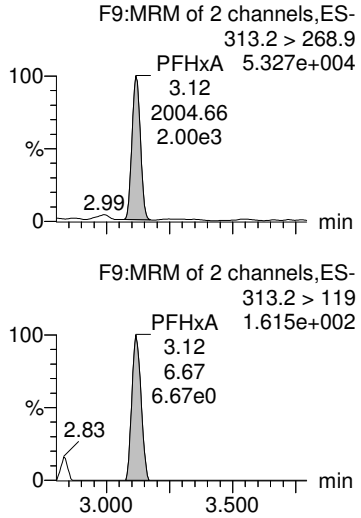
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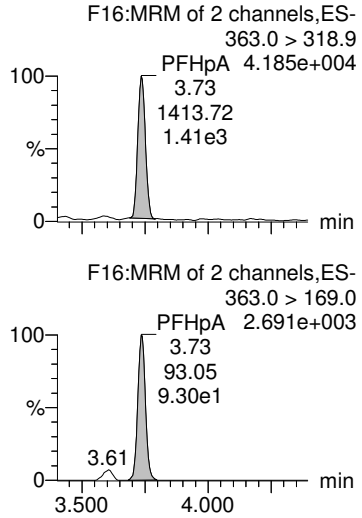
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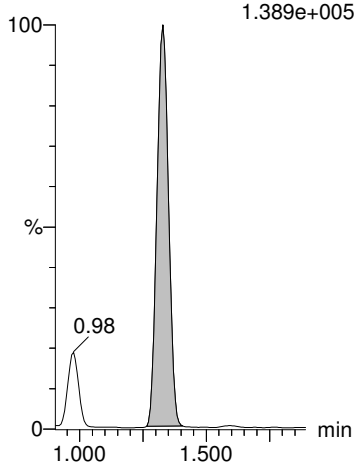
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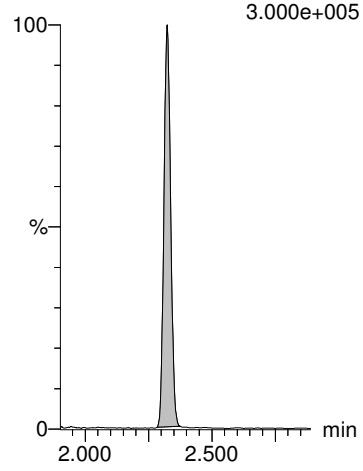
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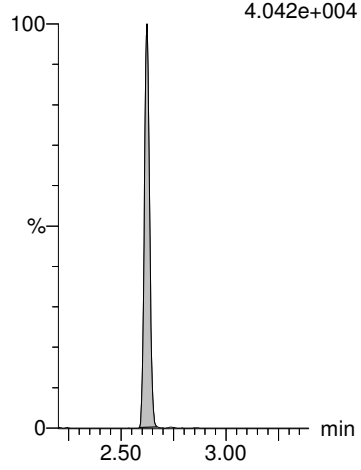
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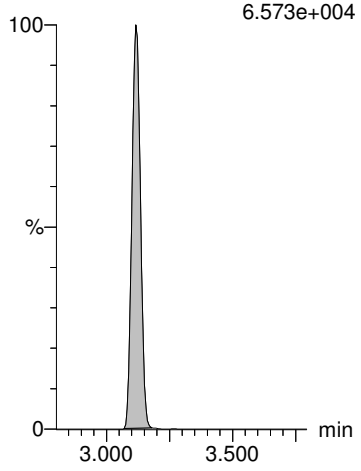
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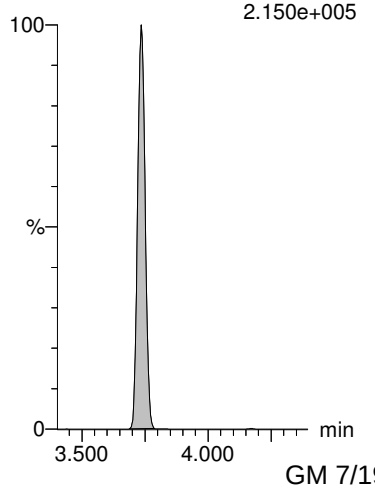
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13C2-PFHxA



13C4-PFHpA



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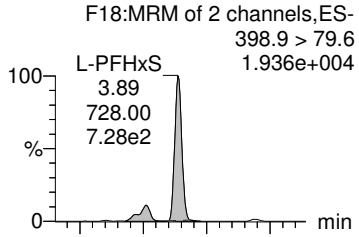
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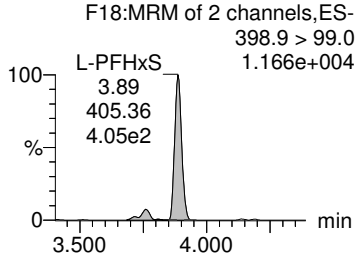
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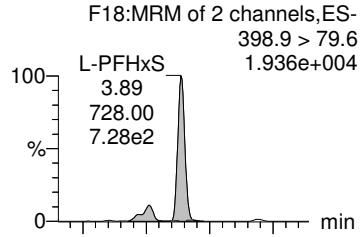
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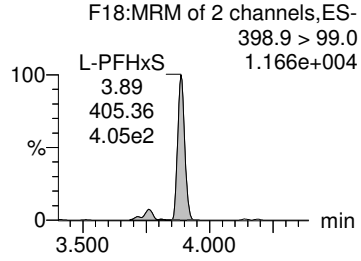
L-PFHxS



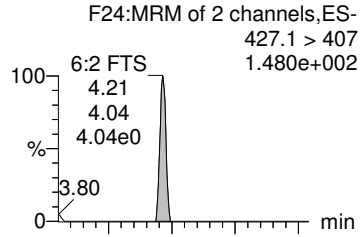


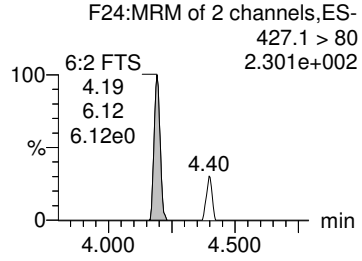
Total PFHxS



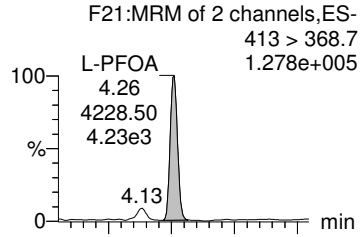


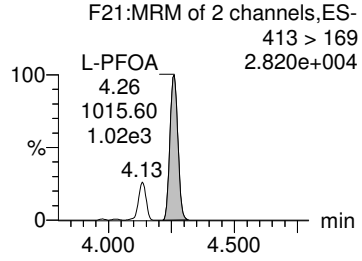
6:2 FTS



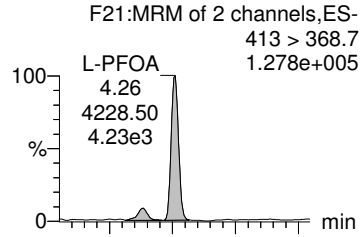


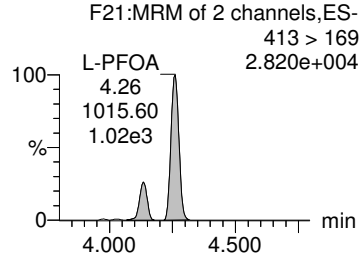
L-PFOA



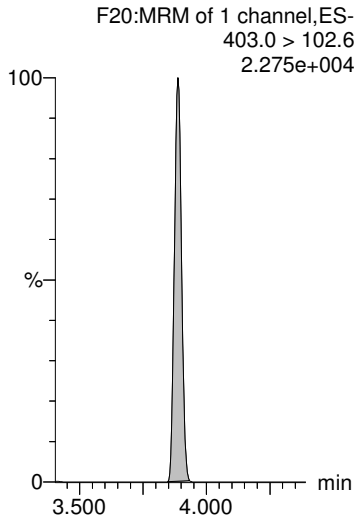


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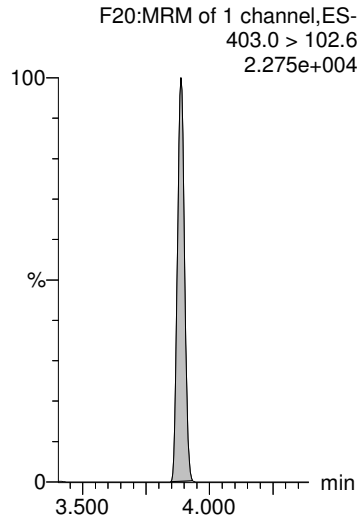




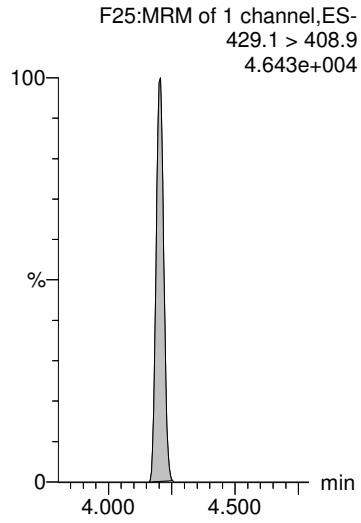
18O2-PFHxS



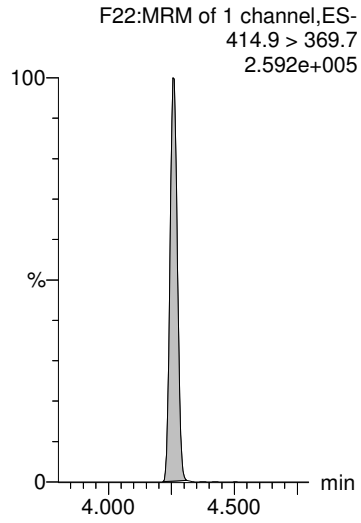
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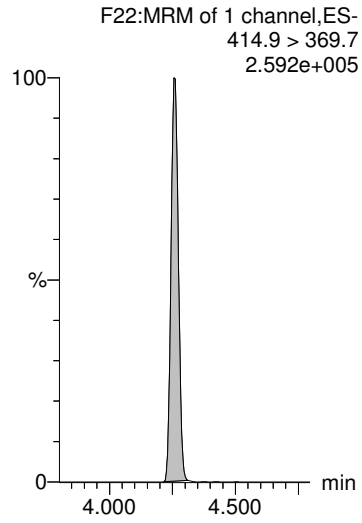
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



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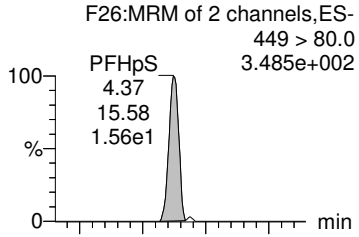
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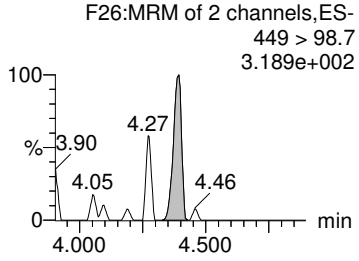
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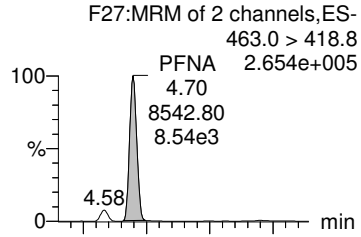
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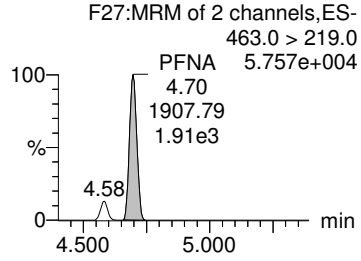
PFHpS



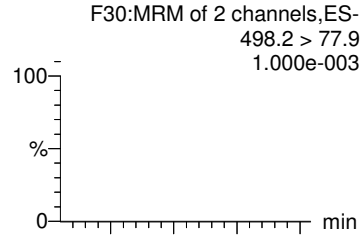


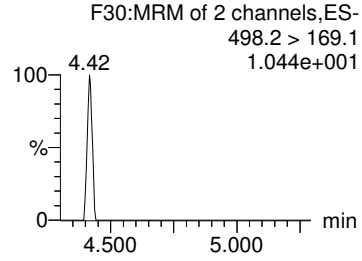
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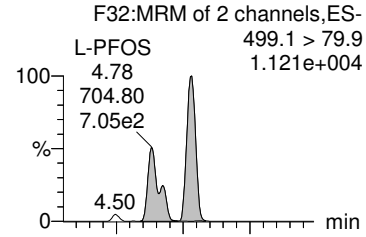


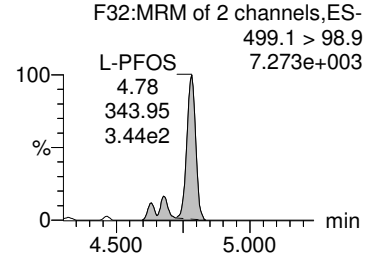
PFOSA



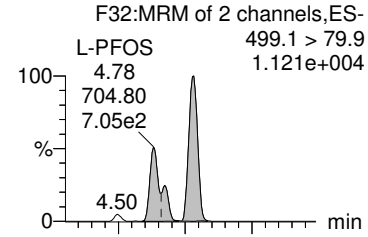


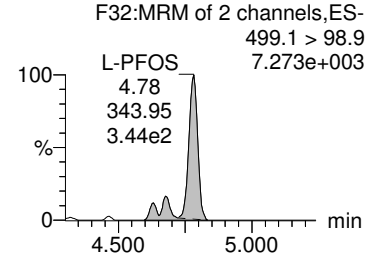
L-PFOS



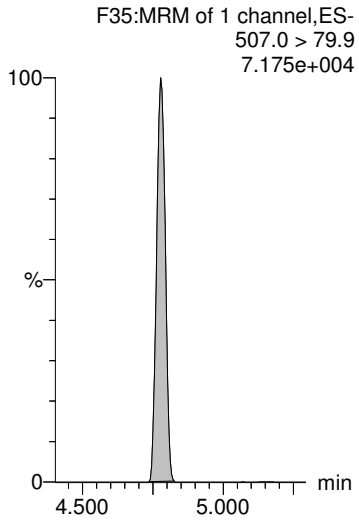


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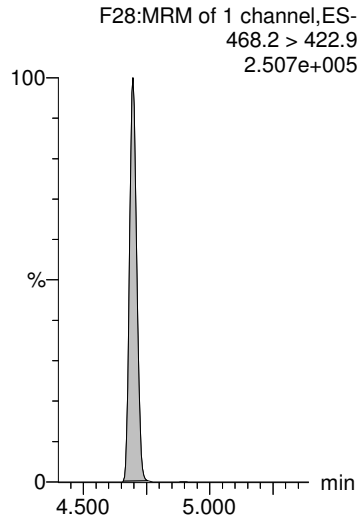




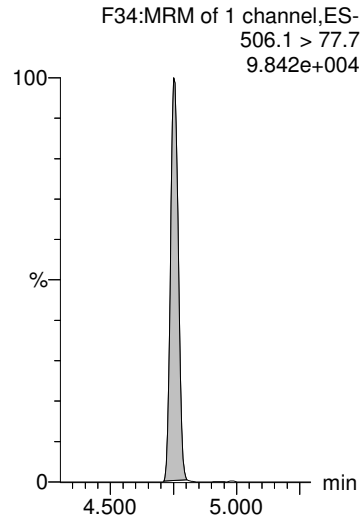
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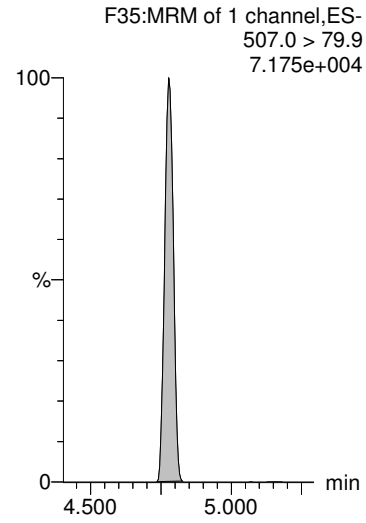
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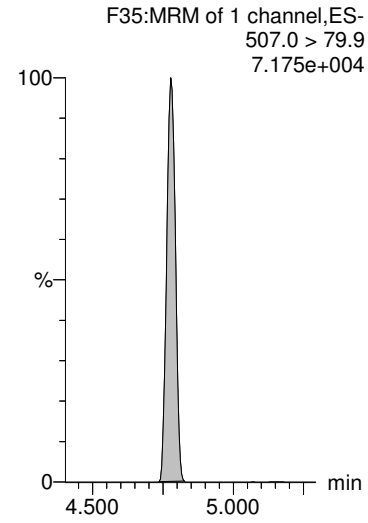
13C8-PFOSA



13C8-PFOS



13C8-PFOS



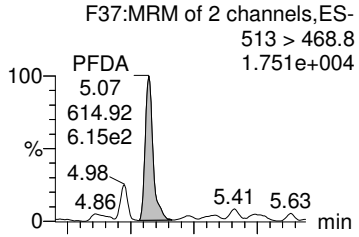
GM 7/19/2018

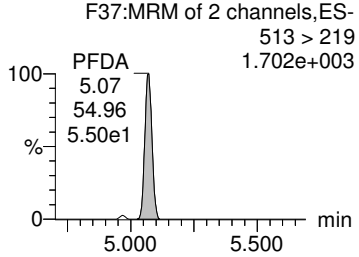
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Printed: Thursday, July 19, 2018 14:50:44 Pacific Daylight Time

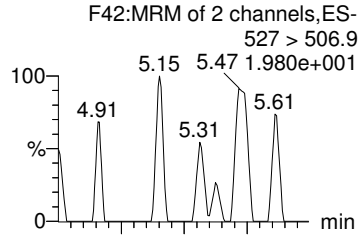
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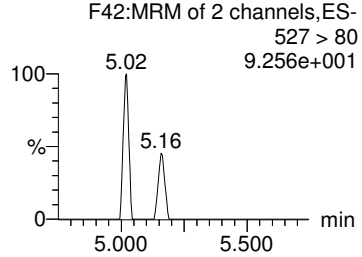
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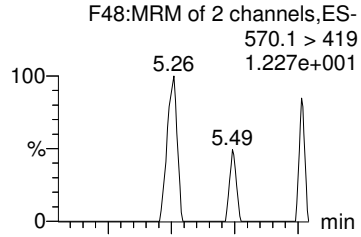


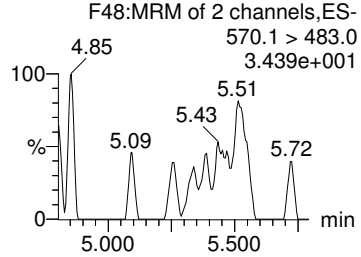
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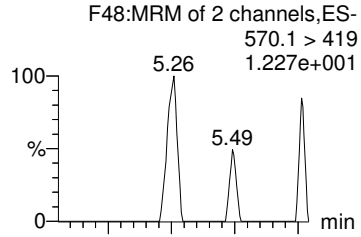


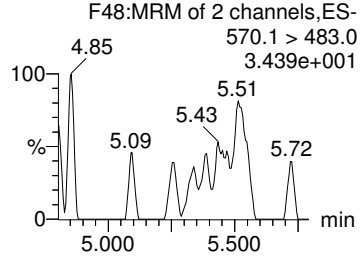
L-MeFOSAA



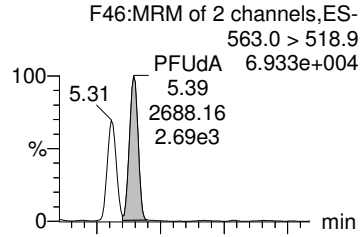


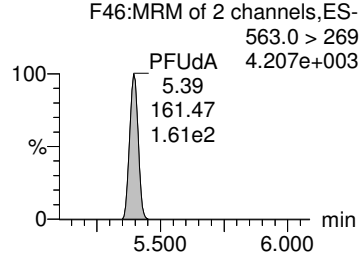
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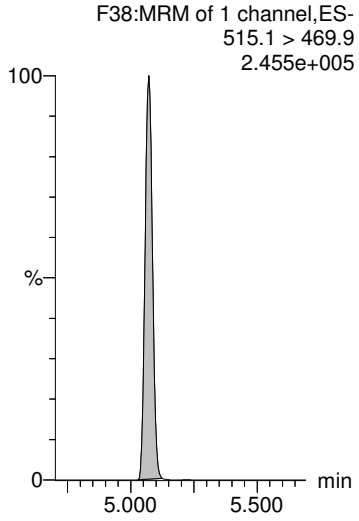


PFUdA

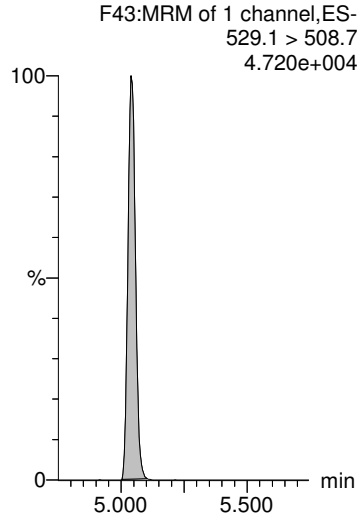




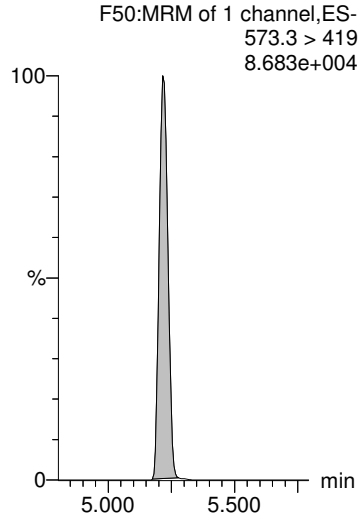
13C2-PFDA



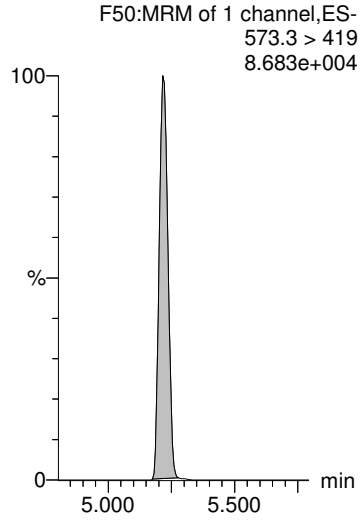
13C2-8:2 FTS



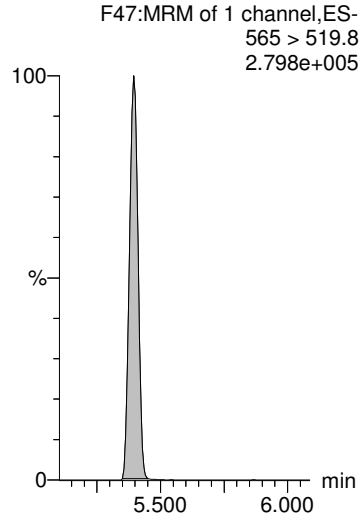
d3-N-MeFOSAA



d3-N-MeFOSAA



13C2-PFUdA



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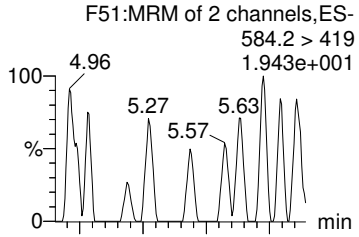
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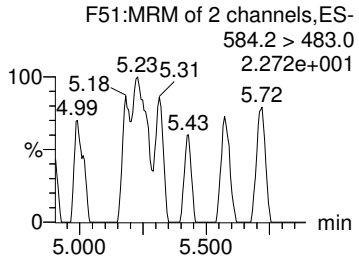
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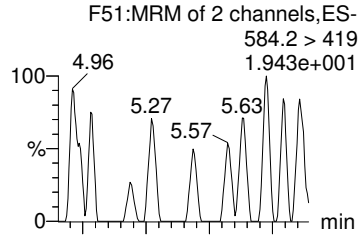
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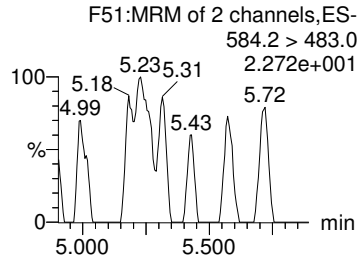
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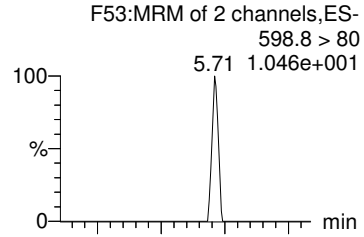


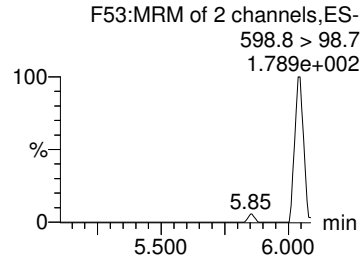
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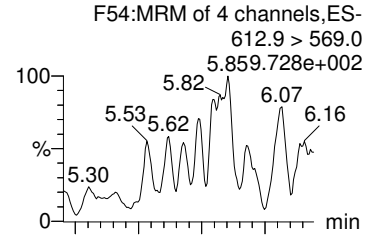


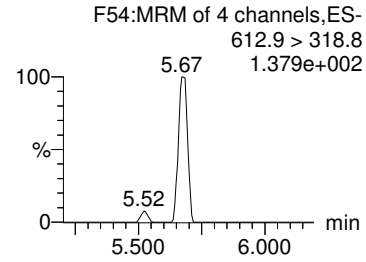
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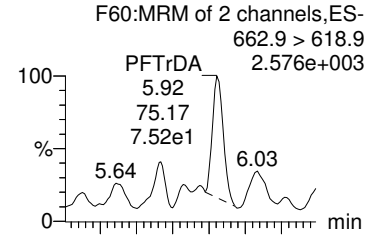


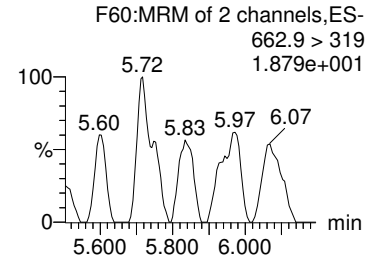
PFDoA



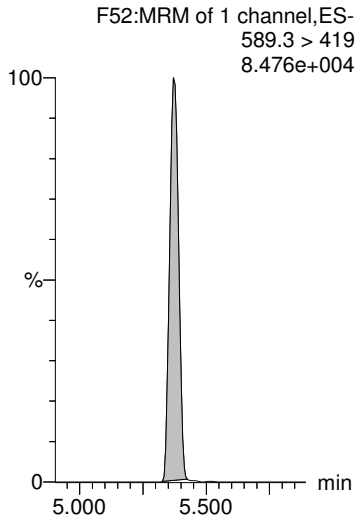


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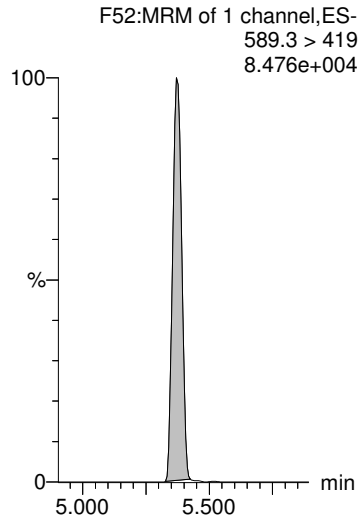




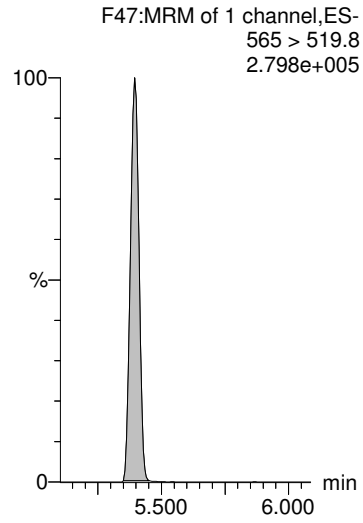
d5-N-EtFOSAA



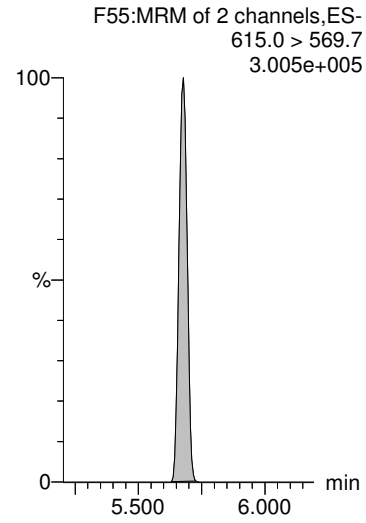
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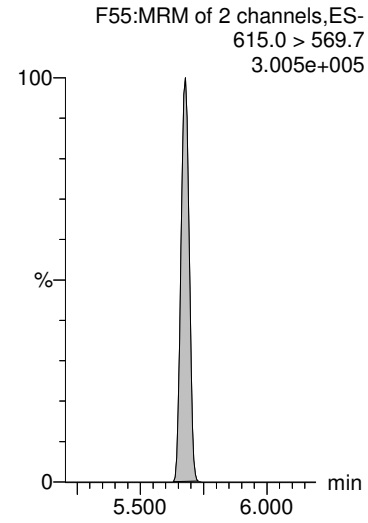
13C2-PFUdA



13C2-PFDoA



13C2-PFDoA



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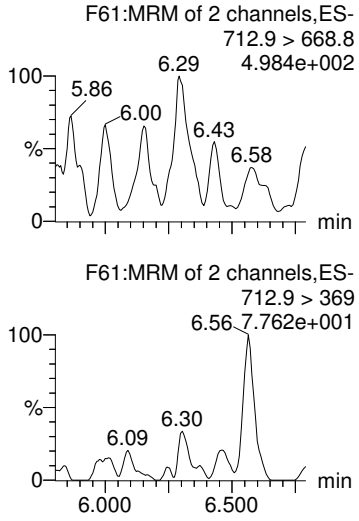
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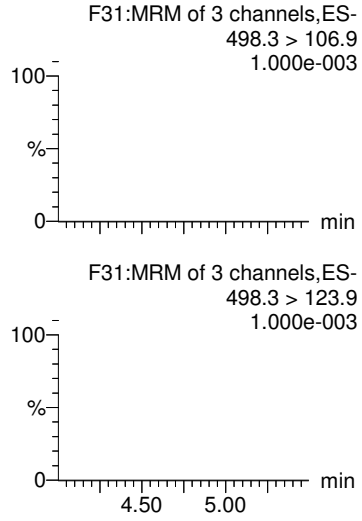
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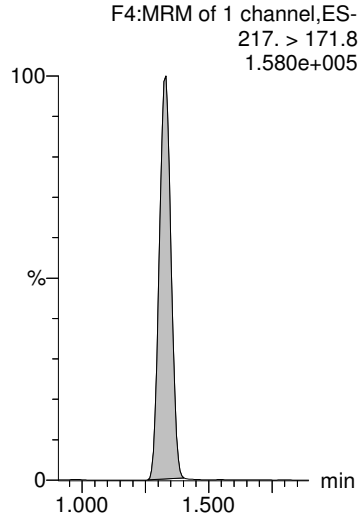
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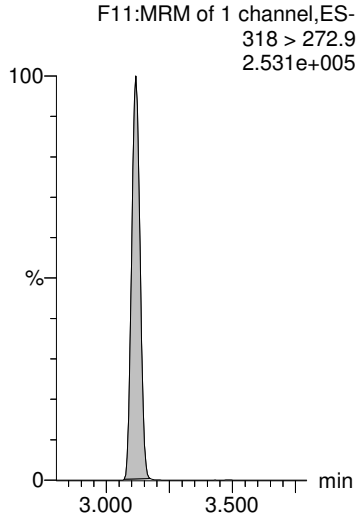
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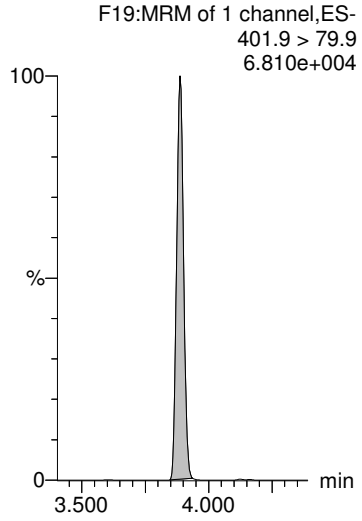
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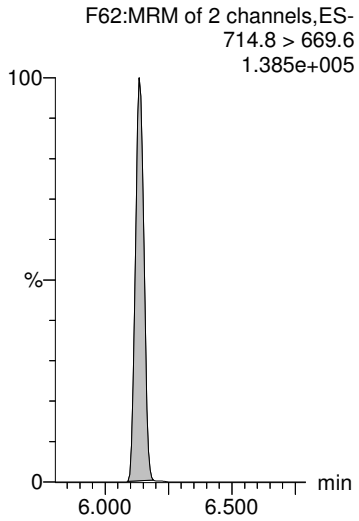
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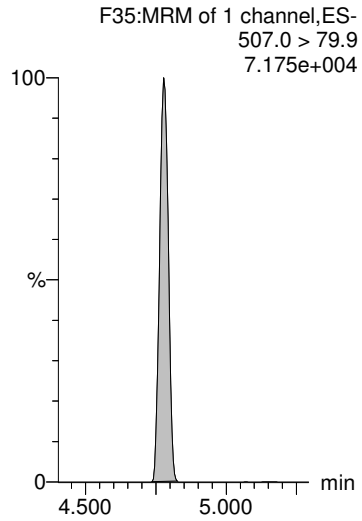
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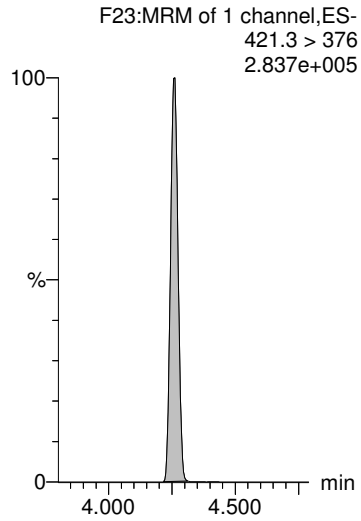
13C2-PFTeDA



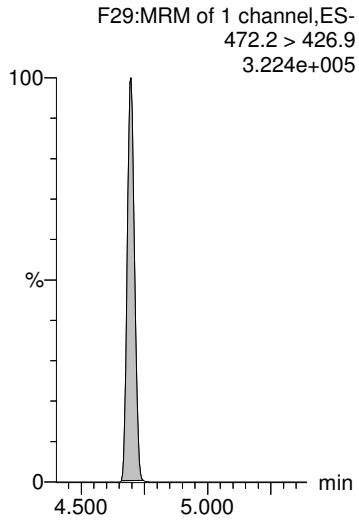
13C8-PFOS



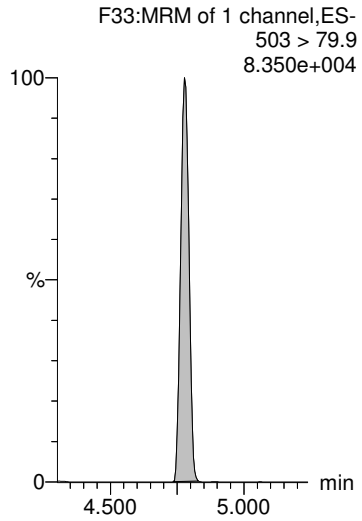
13C8-PFOA



13C9-PFNA



13C4-PFOS



GM 7/19/2018

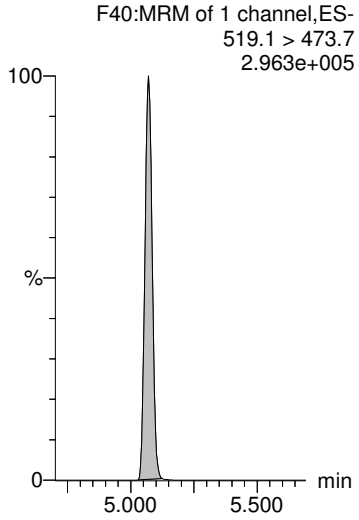
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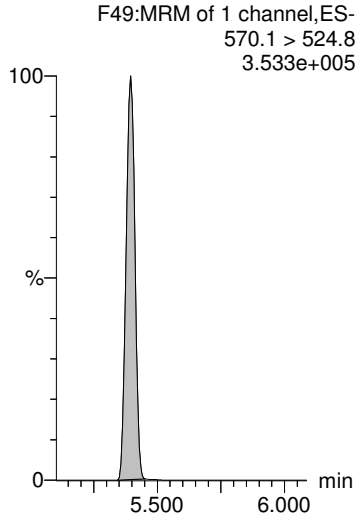
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Name: 180713M2_62, Date: 14-Jul-2018, Time: 03:00:30, ID: 1801486-02 FT-SW12-20180626 0.24374, Description: FT-SW12-20180626

13C6-PFDA



13C7-PFUdA



GM 7/19/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-63.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 14:58:03 Pacific Daylight Time
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1	1	PFBA	213.0 > 16...	8.16e2	7.69e3	0.258	0.000	1.32	1.33	4.5744			
2	2	PFPeA	263.1 > 21...	1.59e3	9.19e3	0.258	0.000	2.32	2.17	8.1199			
3	3	PFBS	299.0 > 79.7		1.23e3	0.258							
4	5	PFHxA	313.2 > 26...	1.89e3	2.82e3	0.258	0.000	3.12	3.35	7.7487		230	NO
5	7	PFHpA	363.0 > 31...	1.40e3	8.09e3	0.258	0.000	3.73	2.17	7.3399		14.5	NO
6	36	13C3-PFBA	216.1 > 17...	7.69e3	8.76e3	0.258	0.877	1.32	11.0	46.3977	95.8		
7	37	13C3-PFPeA	266. > 221.8	9.19e3	9.99e3	0.258	0.920	2.32	11.5	45.1023	93.1		
8	38	13C3-PFBS	302. > 98.8	1.23e3	9.99e3	0.258	0.124	2.62	1.54	49.9316	103.1		
9	40	13C2-PFHxA	315 > 269.8	2.82e3	9.99e3	0.258	0.705	3.12	3.53	18.3251	94.6		
10	41	13C4-PFHpA	367.2 > 32...	8.09e3	9.99e3	0.258	0.811	3.73	10.1	48.4269	100.0		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	6.38e2	9.59e2	0.258	0.000	3.89	8.31	17.2235		1.50	NO
13	68	Total PFHxS	398.9 > 79.6	6.38e2	9.59e2	0.258			8.31	17.2235			
14	10	6:2 FTS	427.1 > 407	1.10e1	2.20e3	0.258	0.000	4.20	0.0625	0.0799		5.34	YES
15	11	L-PFOA	413 > 368.7	4.10e3	9.67e3	0.258	0.000	4.26	5.29	19.7648		4.09	NO
16	69	Total PFOA	413 > 368.7	4.47e3	9.67e3	0.258			5.78	21.5231			
17	42	18O2-PFHxS	403.0 > 10...	9.59e2	2.47e3	0.258	0.388	3.89	4.85	46.0165	95.0		
18	42	18O2-PFHxS	403.0 > 10...	9.59e2	2.47e3	0.258	0.388	3.89	4.85	46.0165	95.0		
19	43	13C2-6:2 FTS	429.1 > 40...	2.20e3	1.12e4	0.258	0.196	4.20	2.45	44.7220	92.3		
20	44	13C2-PFOA	414.9 > 36...	9.67e3	1.12e4	0.258	0.861	4.26	10.8	44.1001	91.0		
21	44	13C2-PFOA	414.9 > 36...	9.67e3	1.12e4	0.258	0.861	4.26	10.8	44.1001	91.0		
22	-1												
23	13	PFHpS	449 > 80.0		2.81e3	0.258							
24	14	PFNA	463.0 > 41...	8.43e3	8.99e3	0.258	0.000	4.70	11.7	39.3300		4.02	NO
25	15	PFOSA	498.2 > 77.9		3.67e3	0.258							
26	16	L-PFOS	499.1 > 79.9	6.47e2	2.81e3	0.258	0.000	4.78	2.88	12.5711		2.25	NO
27	70	Total PFOS	499.1 > 79.9	6.47e2	2.81e3	0.258			2.88	12.5711			
28	47	13C8-PFOS	507.0 > 79.9	2.81e3	2.96e3	0.258	0.950	4.78	11.9	41.4938	85.6		
29	45	13C5-PFNA	468.2 > 42...	8.99e3	1.15e4	0.258	0.779	4.70	9.74	38.5547	79.6		
30	46	13C8-PFOSA	506.1 > 77.7	3.67e3	1.39e4	0.258	0.265	4.76	3.31	42.3374	87.4		
31	47	13C8-PFOS	507.0 > 79.9	2.81e3	2.96e3	0.258	0.950	4.78	11.9	41.4938	85.6		
32	47	13C8-PFOS	507.0 > 79.9	2.81e3	2.96e3	0.258	0.950	4.78	11.9	41.4938	85.6		
33	-1												
34	18	PFDA	513 > 468.8	3.23e2	8.54e3	0.258	0.000	5.07	0.472	1.4102		8.33	YES
35	19	8:2 FTS	527 > 506.9		1.73e3	0.258							
36	21	L-MeFOSAA	570.1 > 419		2.59e3	0.258							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.59e3	0.258			0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-63.qld MMM 7/20/2018

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Name: 180713M2_63, Date: 14-Jul-2018, Time: 03:10:54, ID: 1801486-03 FT-SW13-20180626 0.25801, Description: FT-SW13-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	1.48e3	1.09e4	0.258	0.000	5.39	1.70	6.0639		9.93	NO
39	48	13C2-PFDA	515.1 > 46...	8.54e3	1.19e4	0.258	0.716	5.07	8.96	34.4724	71.2		
40	49	13C2-8:2 FTS	529.1 > 50...	1.73e3	9.99e3	0.258	0.173	5.04	2.16	42.9168	88.6		
41	50	d3-N-MeFOSAA	573.3 > 419	2.59e3	1.39e4	0.258	0.187	5.22	2.34	35.1005	72.5		
42	50	d3-N-MeFOSAA	573.3 > 419	2.59e3	1.39e4	0.258	0.187	5.22	2.34	35.1005	72.5		
43	52	13C2-PFUdA	565 > 519.8	1.09e4	1.39e4	0.258	0.785	5.39	9.82	42.0272	86.7		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		3.86e3	0.258							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.86e3	0.258			0.000				
47	26	PFDS	598.8 > 80		1.09e4	0.258							
48	27	PFDoA	612.9 > 56...		1.12e4	0.258							
49	29	PFTrDA	662.9 > 61...		1.12e4	0.258							
50	51	d5-N-EtFOSAA	589.3 > 419	3.86e3	1.39e4	0.258	0.279	5.37	3.48	48.2429	99.6		
51	51	d5-N-EtFOSAA	589.3 > 419	3.86e3	1.39e4	0.258	0.279	5.37	3.48	48.2429	99.6		
52	52	13C2-PFUdA	565 > 519.8	1.09e4	1.39e4	0.258	0.785	5.39	9.82	42.0272	86.7		
53	53	13C2-PFDoA	615.0 > 56...	1.12e4	1.19e4	0.258	0.936	5.68	11.7	35.9412	74.2		
54	53	13C2-PFDoA	615.0 > 56...	1.12e4	1.19e4	0.258	0.936	5.68	11.7	35.9412	74.2		
55	-1												
56	30	PFTeDA	712.9 > 66...		5.38e3	0.258							
57	73	TCDA	498.3>106.9			0.258							
58	60	13C4-PFBA	217. > 171.8	8.76e3	8.76e3	0.258	1.00	1.32	12.5	48.4477	100.0		
59	61	13C5-PFHxA	318 > 272.9	9.99e3	9.99e3	0.258	1.00	3.12	12.5	48.4477	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	2.47e3	2.47e3	0.258	1.00	3.89	12.5	48.4477	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	5.38e3	1.39e4	0.258	0.389	6.13	4.86	32.7801	67.7		
62	47	13C8-PFOS	507.0 > 79.9	2.81e3	2.96e3	0.258	0.950	4.78	11.9	41.4938	85.6		
63	63	13C8-PFOA	421.3 > 376	1.12e4	1.12e4	0.258	1.00	4.26	12.5	48.4477	100.0		
64	64	13C9-PFNA	472.2 > 42...	1.15e4	1.15e4	0.258	1.00	4.70	12.5	48.4477	100.0		
65	65	13C4-PFOS	503 > 79.9	2.96e3	2.96e3	0.258	1.00	4.78	12.5	48.4477	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	1.19e4	1.19e4	0.258	1.00	5.07	12.5	48.4477	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.39e4	1.39e4	0.258	1.00	5.39	12.5	48.4477	100.0		

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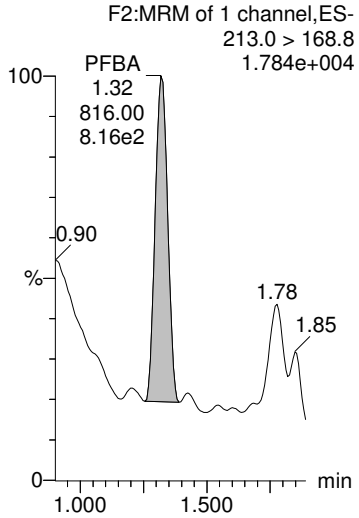
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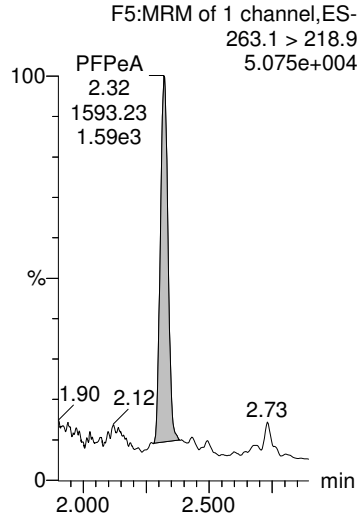
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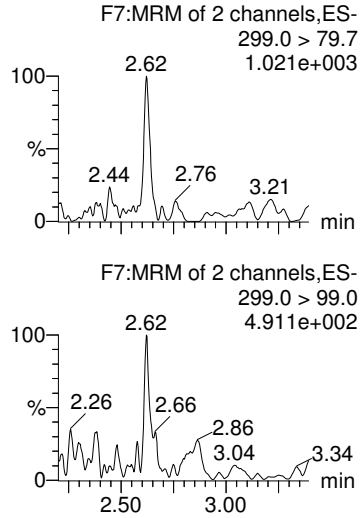
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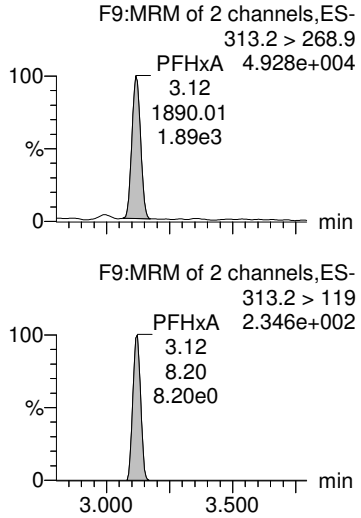
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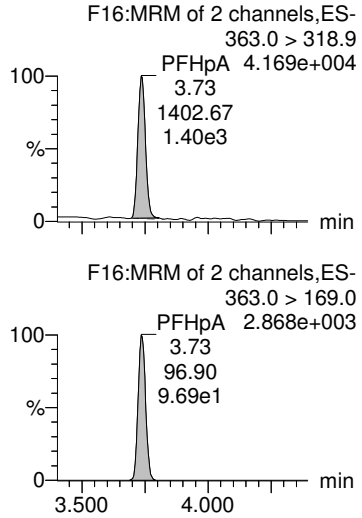
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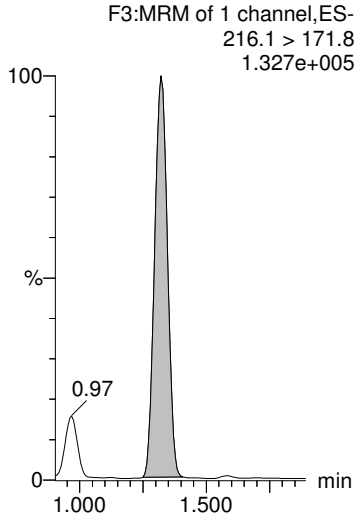
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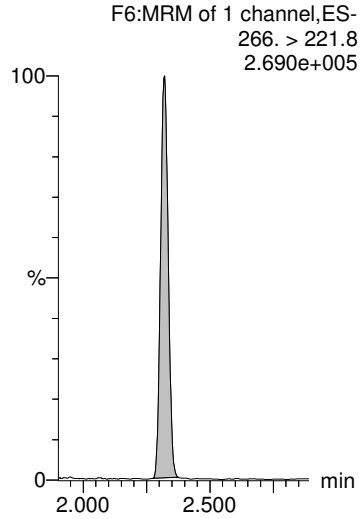
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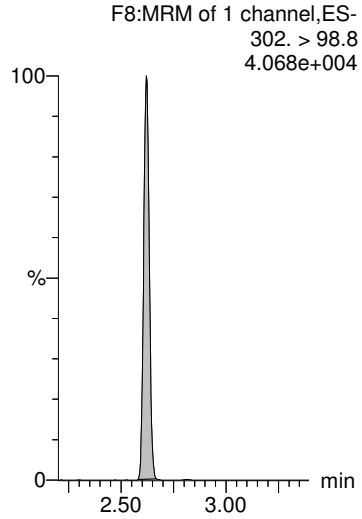
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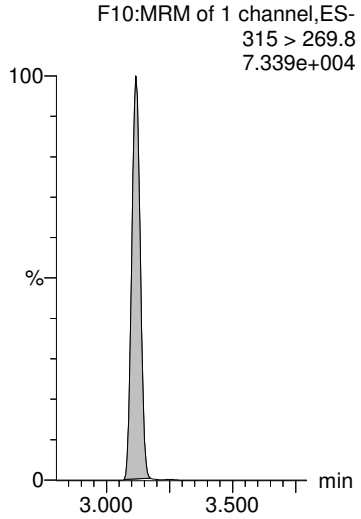
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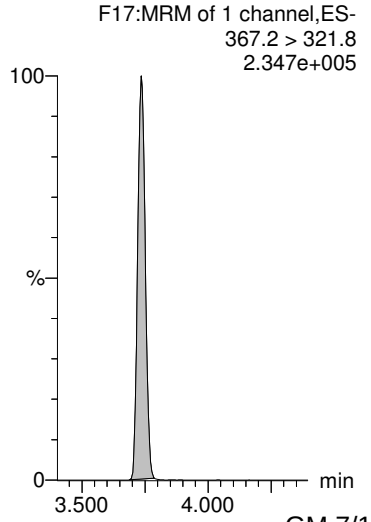
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13C2-PFHxA



13C4-PFHpA



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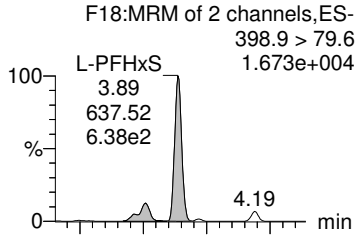
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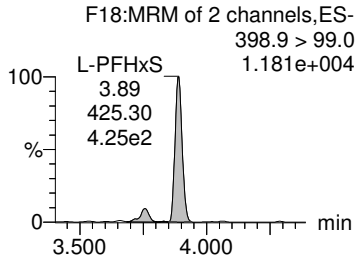
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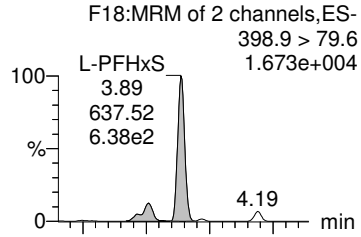
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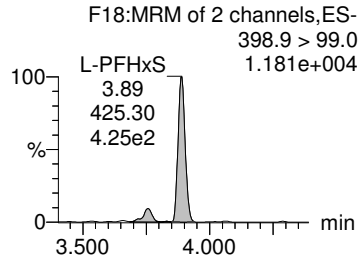
L-PFHxS



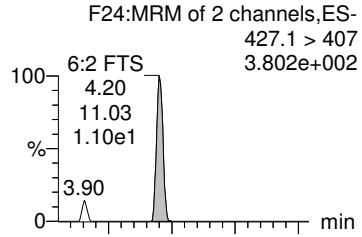


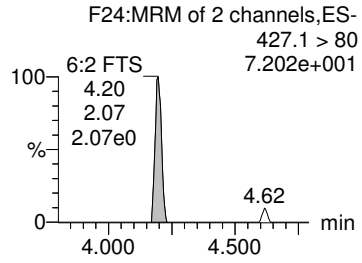
Total PFHxS



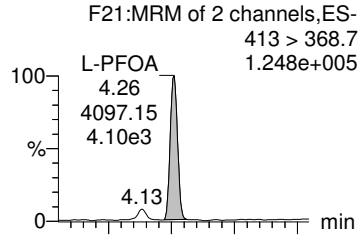


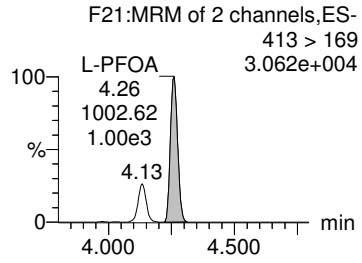
6:2 FTS



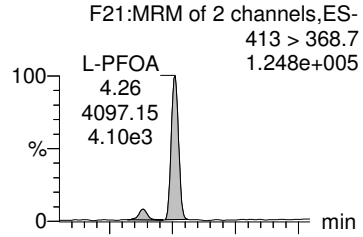


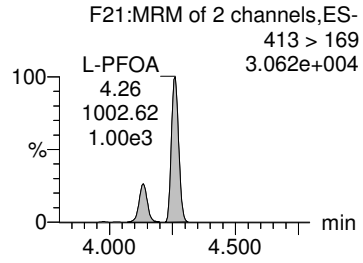
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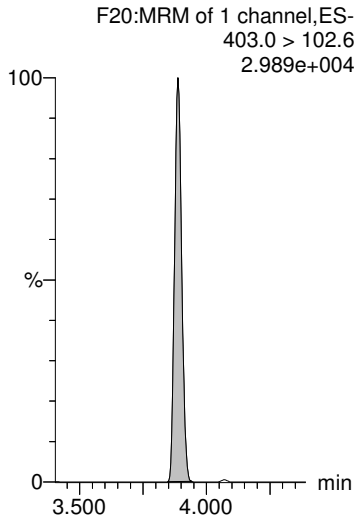


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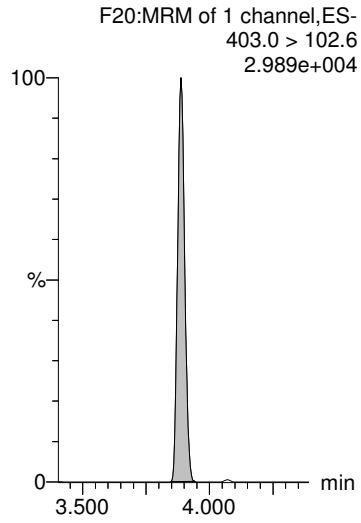




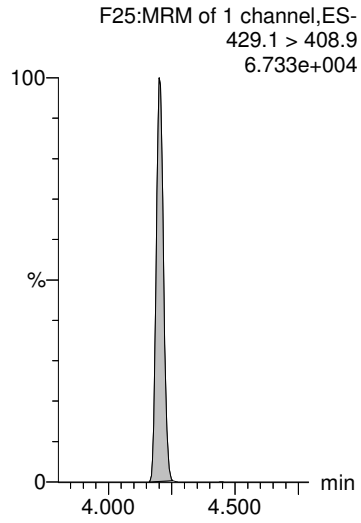
18O2-PFHxS



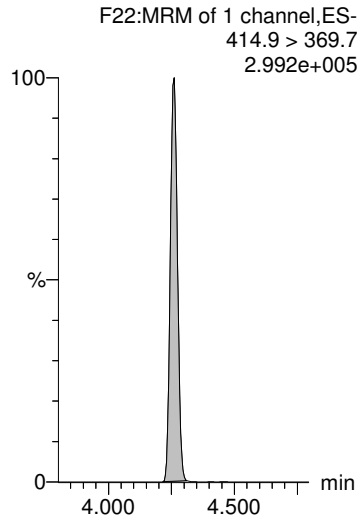
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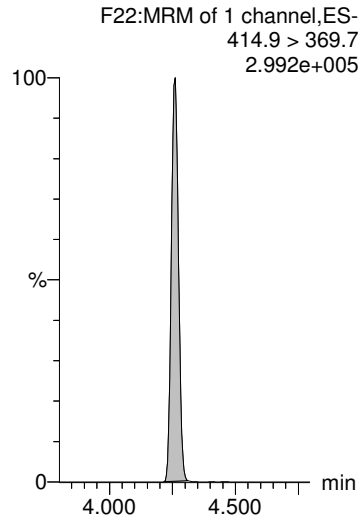
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



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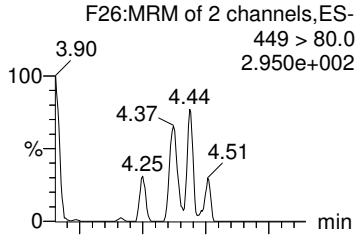
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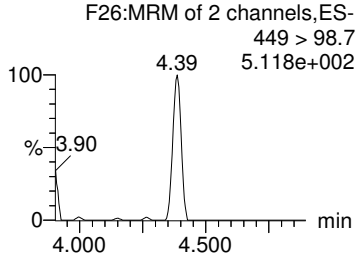
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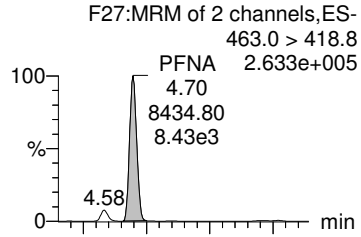
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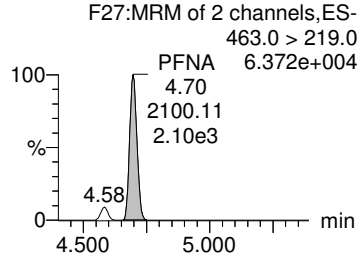
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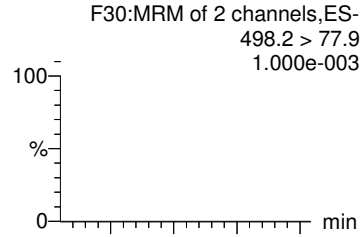


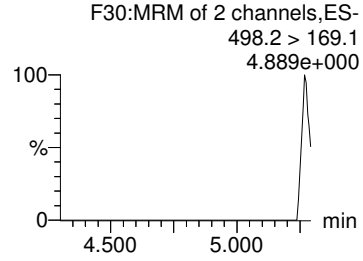
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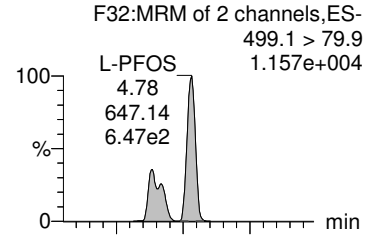


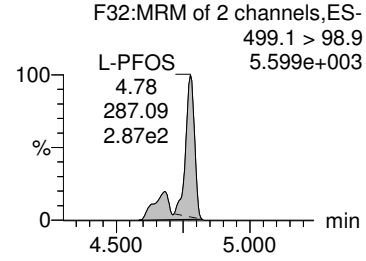
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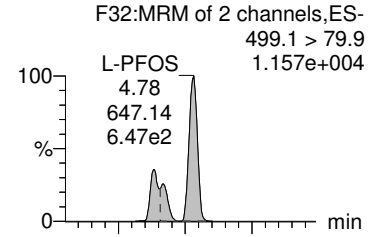


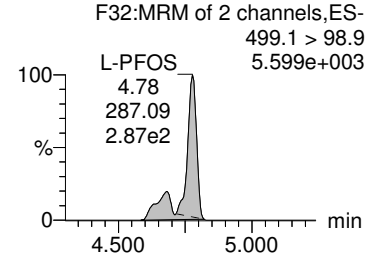
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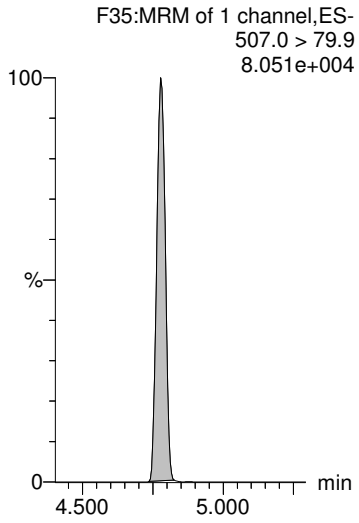


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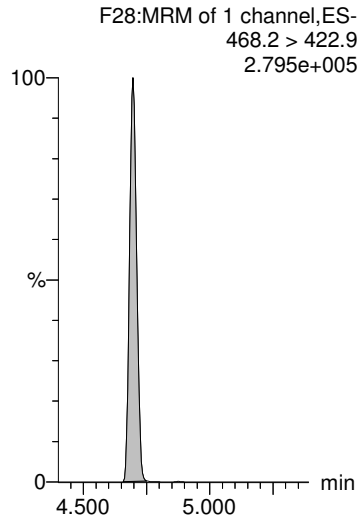




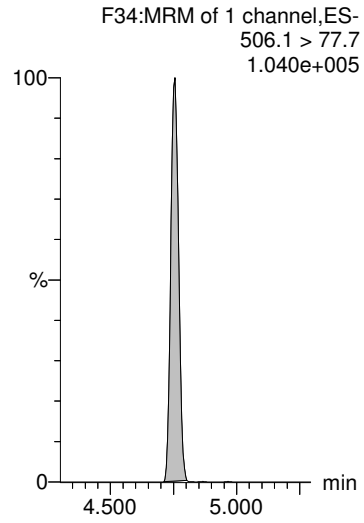
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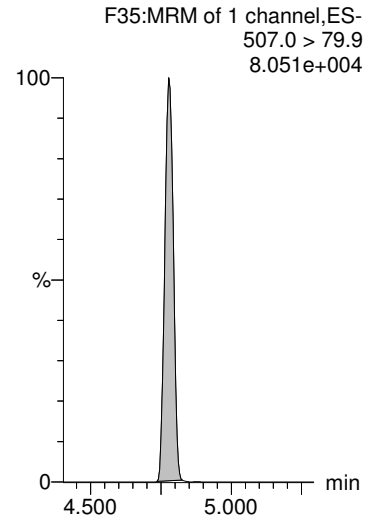
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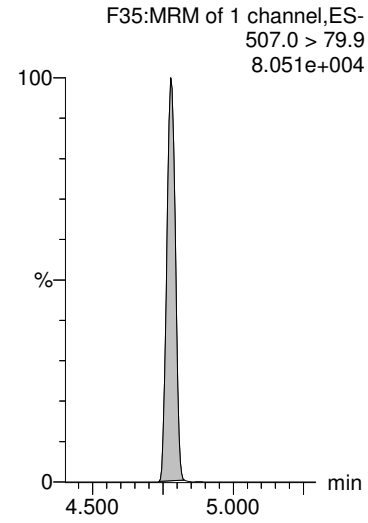
13C8-PFOSA



13C8-PFOS



13C8-PFOS



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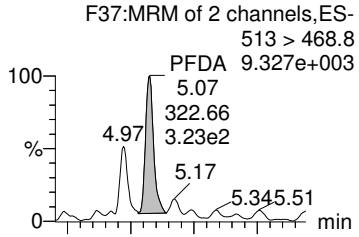
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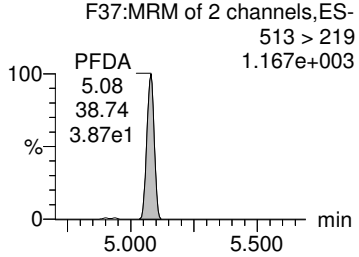
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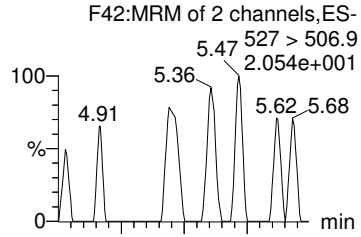
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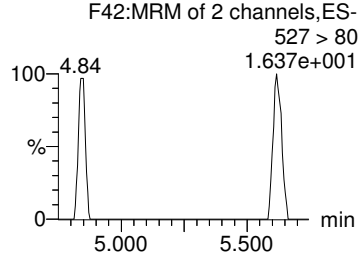
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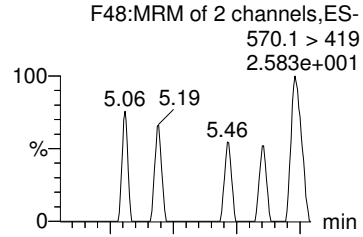


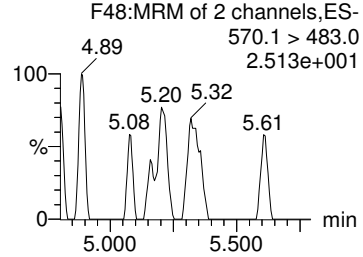
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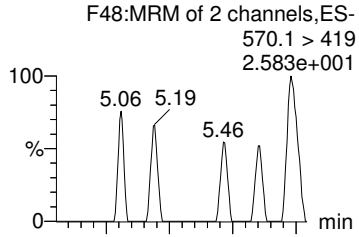


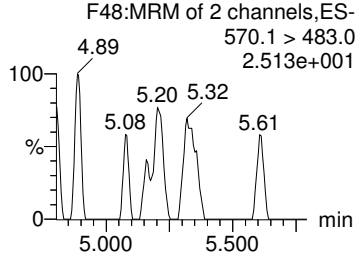
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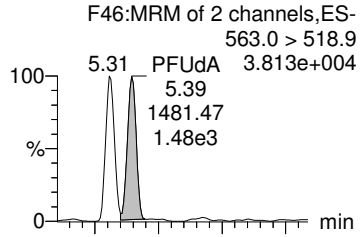


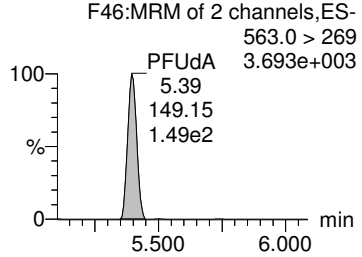
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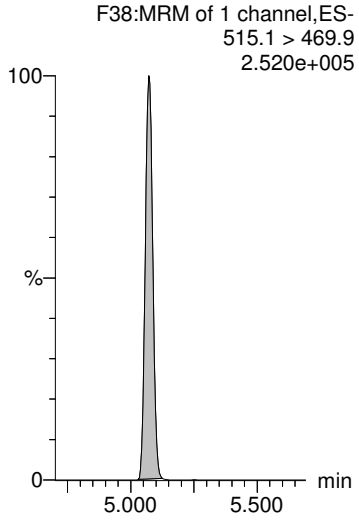


PFUdA

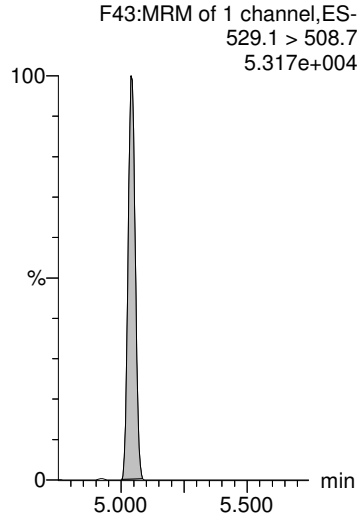




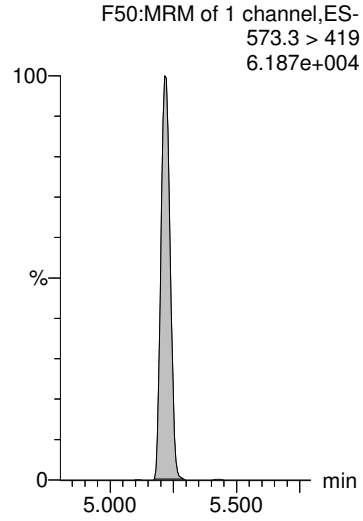
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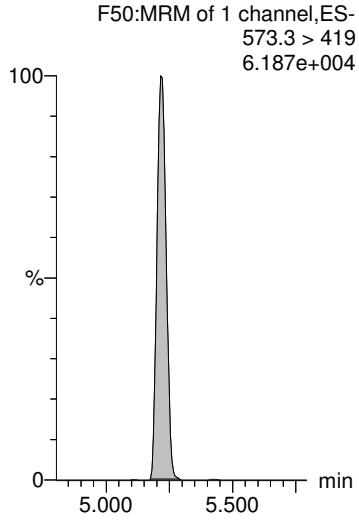
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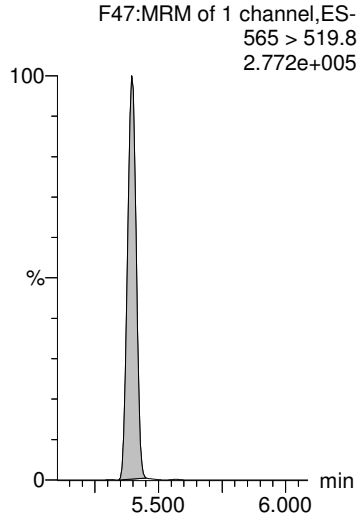
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d3-N-MeFOSAA



13C2-PFUdA



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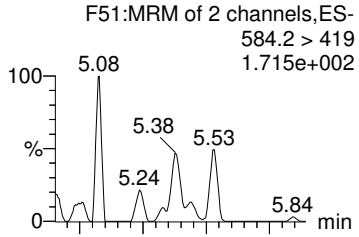
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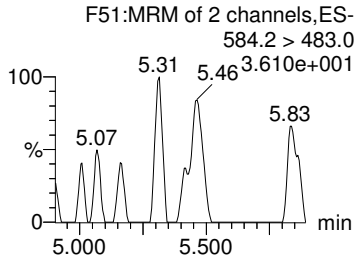
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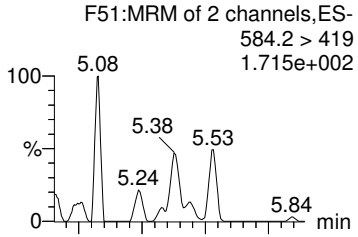
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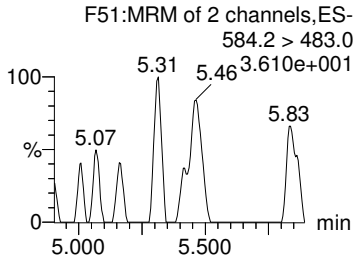
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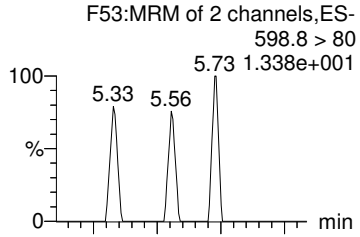


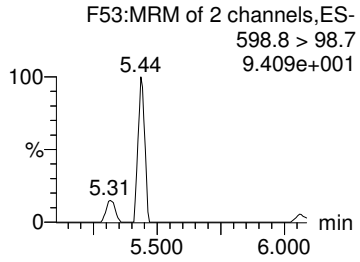
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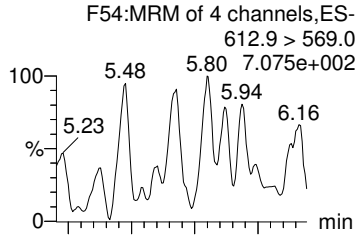


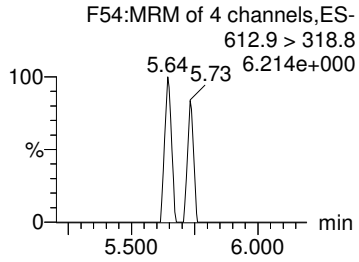
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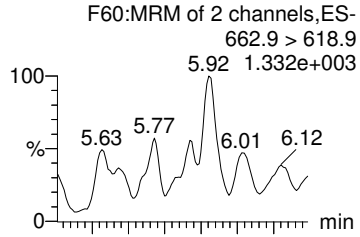


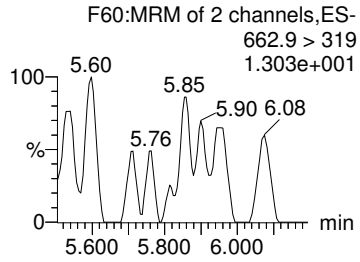
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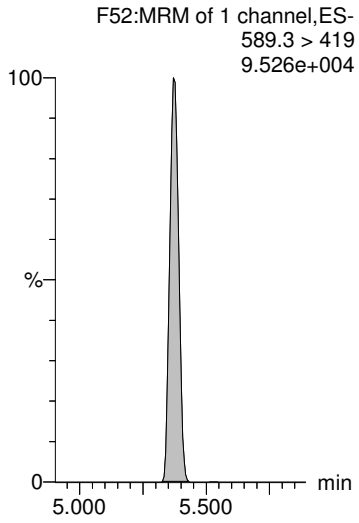


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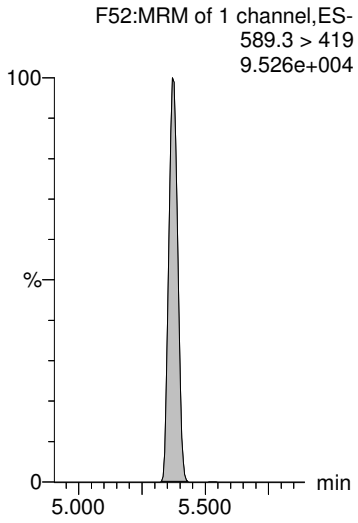




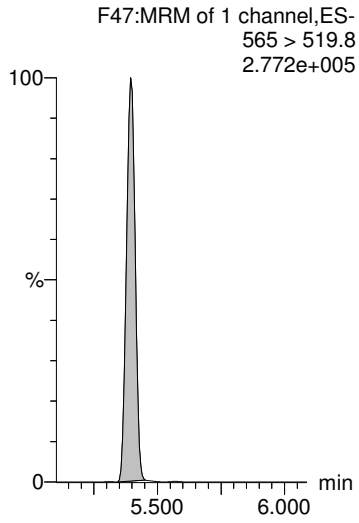
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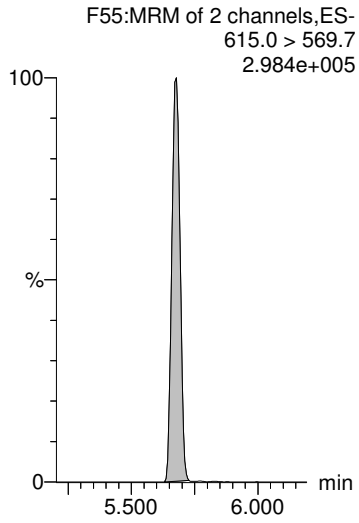
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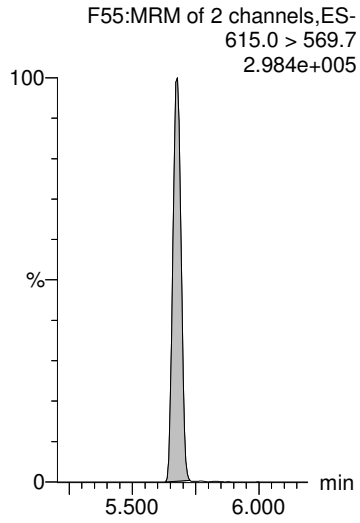
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13C2-PFDoA



13C2-PFDoA



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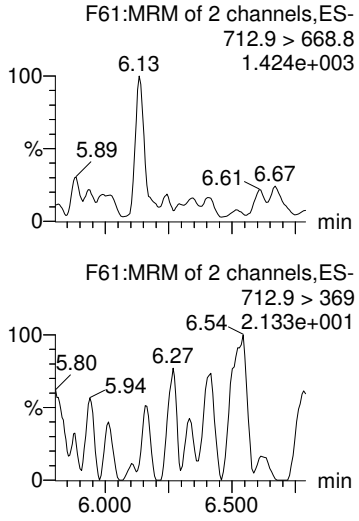
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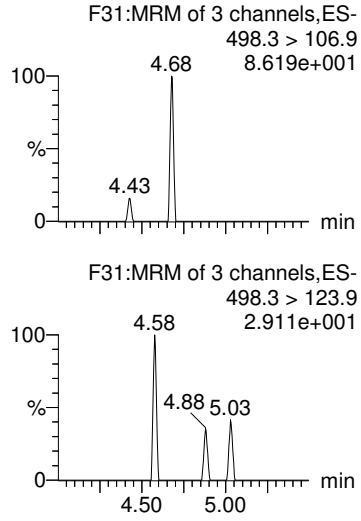
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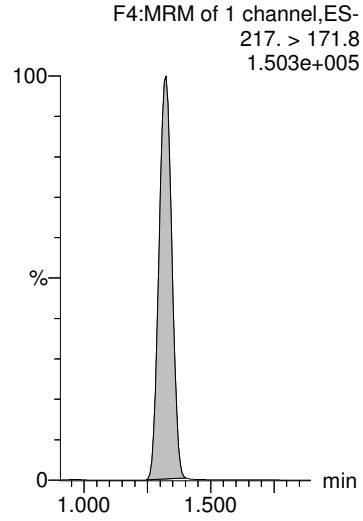
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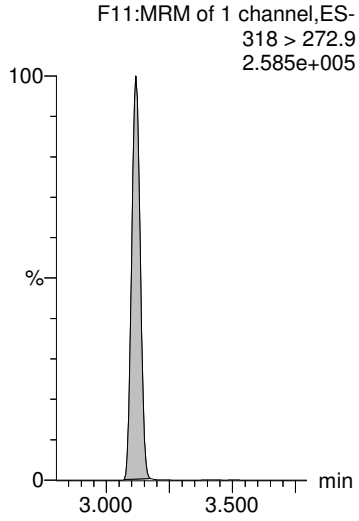
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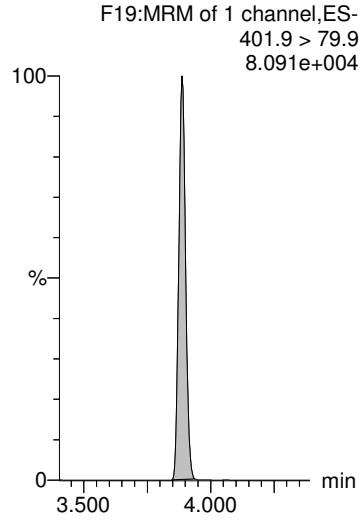
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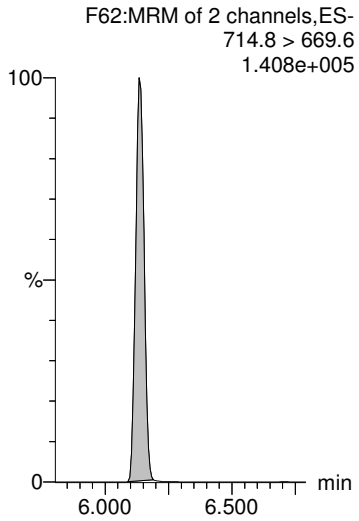
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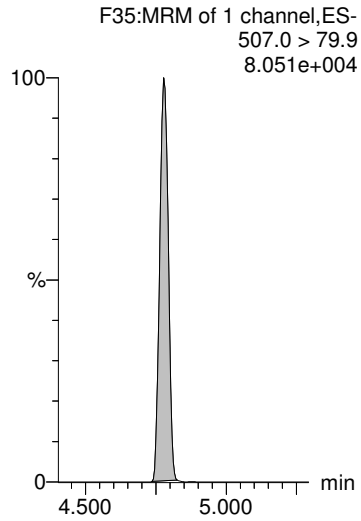
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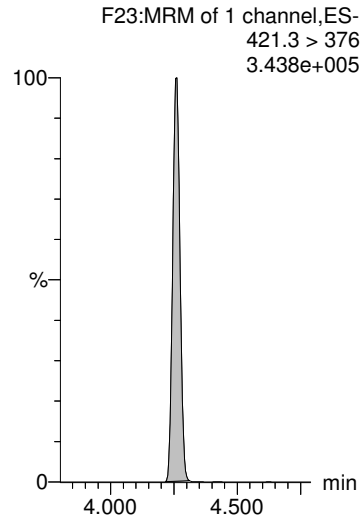
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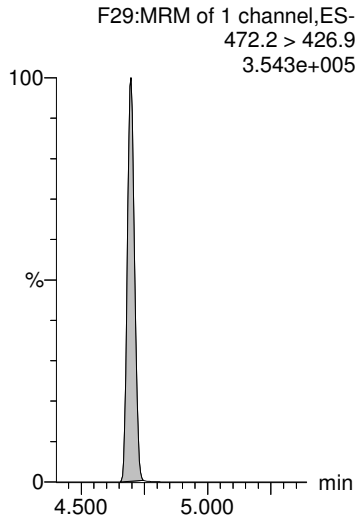
13C8-PFOS



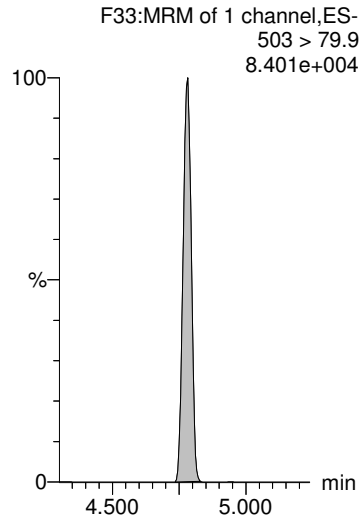
13C8-PFOA



13C9-PFNA



13C4-PFOS



GM 7/19/2018

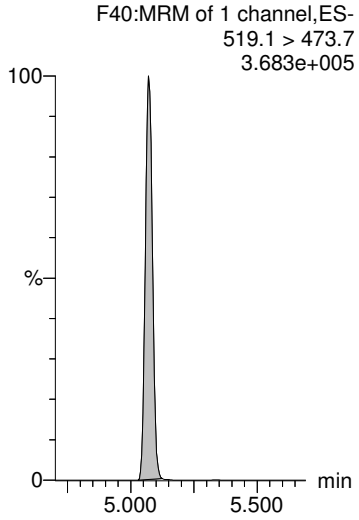
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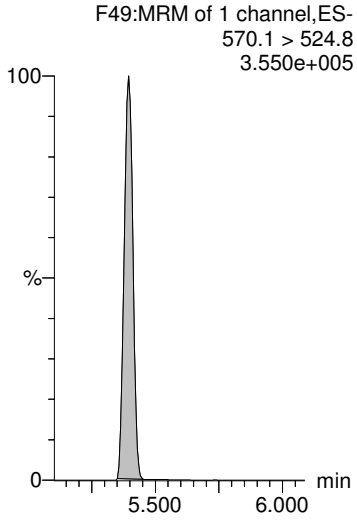
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13C6-PFDA



13C7-PFUdA



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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-64.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:45:34 Pacific Daylight Time
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Name: 180713M2_64, Date: 14-Jul-2018, Time: 03:21:24, ID: 1801486-04 SW-DP01-20180626 0.24361, Description: SW-DP01-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	4.08e2	6.07e3	0.244	0.000	1.33	0.841	3.1283			
2	2	PFPeA	263.1 > 21...	1.61e2	7.31e3	0.244	0.000	2.32	0.275	1.1880			
3	3	PFBS	299.0 > 79.7		9.48e2	0.244							
4	5	PFHxA	313.2 > 26...		2.14e3	0.244							
5	7	PFHpA	363.0 > 31...	1.89e2	6.42e3	0.244	0.000	3.74	0.368	1.3320		12.0	NO
6	36	13C3-PFBA	216.1 > 17...	6.07e3	7.21e3	0.244	0.841	1.33	10.5	47.1312	91.9		
7	37	13C3-PFPeA	266. > 221.8	7.31e3	7.99e3	0.244	0.915	2.32	11.4	47.4807	92.5		
8	38	13C3-PFBS	302. > 98.8	9.48e2	7.99e3	0.244	0.119	2.62	1.48	50.7346	98.9		
9	40	13C2-PFHxA	315 > 269.8	2.14e3	7.99e3	0.244	0.668	3.12	3.34	18.3822	89.6		
10	41	13C4-PFHpA	367.2 > 32...	6.42e3	7.99e3	0.244	0.803	3.73	10.0	50.8379	99.1		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	2.28e1	7.64e2	0.244	0.000	3.89	0.372	1.0518		1.41	NO
13	68	Total PFHxS	398.9 > 79.6	2.28e1	7.64e2	0.244			0.372	1.0518			
14	10	6:2 FTS	427.1 > 407		1.31e3	0.244							
15	11	L-PFOA	413 > 368.7	3.39e2	7.08e3	0.244	0.000	4.26	0.598	2.3215		3.31	NO
16	69	Total PFOA	413 > 368.7	4.45e2	7.08e3	0.244			0.786	3.0229			
17	42	18O2-PFHxS	403.0 > 10...	7.64e2	2.01e3	0.244	0.381	3.89	4.76	47.8126	93.2		
18	42	18O2-PFHxS	403.0 > 10...	7.64e2	2.01e3	0.244	0.381	3.89	4.76	47.8126	93.2		
19	43	13C2-6:2 FTS	429.1 > 40...	1.31e3	9.11e3	0.244	0.144	4.20	1.80	34.7607	67.7		
20	44	13C2-PFOA	414.9 > 36...	7.08e3	9.11e3	0.244	0.778	4.26	9.72	42.1772	82.2		
21	44	13C2-PFOA	414.9 > 36...	7.08e3	9.11e3	0.244	0.778	4.26	9.72	42.1772	82.2		
22	-1												
23	13	PFHpS	449 > 80.0	1.59e1	2.26e3	0.244	0.000	4.38	0.0879	0.3562		0.401	YES
24	14	PFNA	463.0 > 41...	1.37e2	7.55e3	0.244	0.000	4.70	0.227	0.8231		5.85	YES
25	15	PFOSA	498.2 > 77.9		3.04e3	0.244							
26	16	L-PFOS	499.1 > 79.9	9.83e1	2.26e3	0.244	0.000	4.78	0.543	1.8670		1.55	YES
27	70	Total PFOS	499.1 > 79.9	9.83e1	2.26e3	0.244			0.543	1.8670			
28	47	13C8-PFOS	507.0 > 79.9	2.26e3	2.31e3	0.244	0.977	4.78	12.2	45.2136	88.1		
29	45	13C5-PFNA	468.2 > 42...	7.55e3	8.90e3	0.244	0.848	4.70	10.6	44.4142	86.6		
30	46	13C8-PFOSA	506.1 > 77.7	3.04e3	1.07e4	0.244	0.285	4.75	3.56	48.2008	93.9		
31	47	13C8-PFOS	507.0 > 79.9	2.26e3	2.31e3	0.244	0.977	4.78	12.2	45.2136	88.1		
32	47	13C8-PFOS	507.0 > 79.9	2.26e3	2.31e3	0.244	0.977	4.78	12.2	45.2136	88.1		
33	-1												
34	18	PFDA	513 > 468.8		7.90e3	0.244							
35	19	8:2 FTS	527 > 506.9		1.21e3	0.244							
36	21	L-MeFOSAA	570.1 > 419		2.71e3	0.244							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.71e3	0.244			0.000				

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Name: 180713M2_64, Date: 14-Jul-2018, Time: 03:21:24, ID: 1801486-04 SW-DP01-20180626 0.24361, Description: SW-DP01-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	9.46e1	8.54e3	0.244	0.000	5.39	0.138	0.4164			
39	48	13C2-PFDA	515.1 > 46...	7.90e3	8.32e3	0.244	0.949	5.07	11.9	48.3385	94.2		
40	49	13C2-8:2 FTS	529.1 > 50...	1.21e3	7.99e3	0.244	0.152	5.04	1.90	39.9191	77.8		
41	50	d3-N-MeFOSAA	573.3 > 419	2.71e3	1.07e4	0.244	0.253	5.22	3.16	50.2359	97.9		
42	50	d3-N-MeFOSAA	573.3 > 419	2.71e3	1.07e4	0.244	0.253	5.22	3.16	50.2359	97.9		
43	52	13C2-PFUdA	565 > 519.8	8.54e3	1.07e4	0.244	0.798	5.39	9.98	45.2393	88.2		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		3.37e3	0.244							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.37e3	0.244			0.000				
47	26	PFDS	598.8 > 80		8.54e3	0.244							
48	27	PFDoA	612.9 > 56...		1.01e4	0.244							
49	29	PFTrDA	662.9 > 61...		1.01e4	0.244							
50	51	d5-N-EtFOSAA	589.3 > 419	3.37e3	1.07e4	0.244	0.315	5.38	3.94	57.7587	112.6		
51	51	d5-N-EtFOSAA	589.3 > 419	3.37e3	1.07e4	0.244	0.315	5.38	3.94	57.7587	112.6		
52	52	13C2-PFUdA	565 > 519.8	8.54e3	1.07e4	0.244	0.798	5.39	9.98	45.2393	88.2		
53	53	13C2-PFDoA	615.0 > 56...	1.01e4	8.32e3	0.244	1.21	5.68	15.2	49.3584	96.2		
54	53	13C2-PFDoA	615.0 > 56...	1.01e4	8.32e3	0.244	1.21	5.68	15.2	49.3584	96.2		
55	-1												
56	30	PFTeDA	712.9 > 66...		6.32e3	0.244							
57	73	TCDA	498.3>106.9			0.244							
58	60	13C4-PFBA	217. > 171.8	7.21e3	7.21e3	0.244	1.00	1.33	12.5	51.3115	100.0		
59	61	13C5-PFHxA	318 > 272.9	7.99e3	7.99e3	0.244	1.00	3.12	12.5	51.3115	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	2.01e3	2.01e3	0.244	1.00	3.89	12.5	51.3115	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	6.32e3	1.07e4	0.244	0.591	6.13	7.38	52.7665	102.8		
62	47	13C8-PFOS	507.0 > 79.9	2.26e3	2.31e3	0.244	0.977	4.78	12.2	45.2136	88.1		
63	63	13C8-PFOA	421.3 > 376	9.11e3	9.11e3	0.244	1.00	4.26	12.5	51.3115	100.0		
64	64	13C9-PFNA	472.2 > 42...	8.90e3	8.90e3	0.244	1.00	4.69	12.5	51.3115	100.0		
65	65	13C4-PFOS	503 > 79.9	2.31e3	2.31e3	0.244	1.00	4.78	12.5	51.3115	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	8.32e3	8.32e3	0.244	1.00	5.07	12.5	51.3115	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.07e4	1.07e4	0.244	1.00	5.39	12.5	51.3115	100.0		

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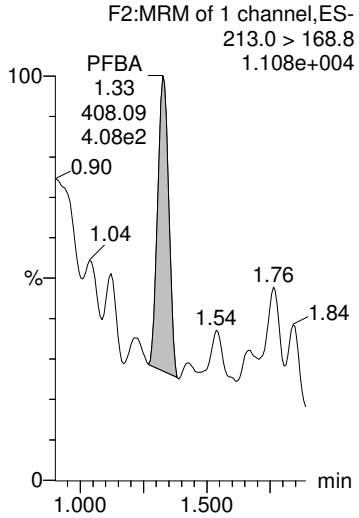
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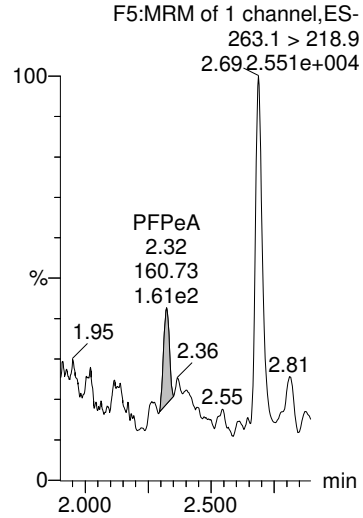
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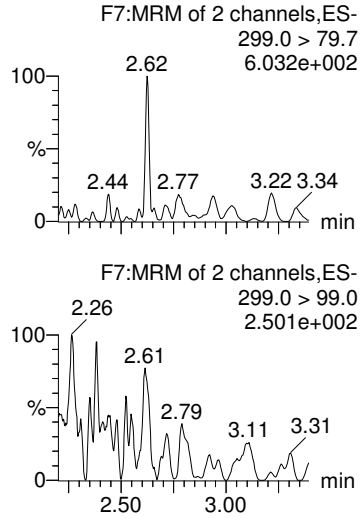
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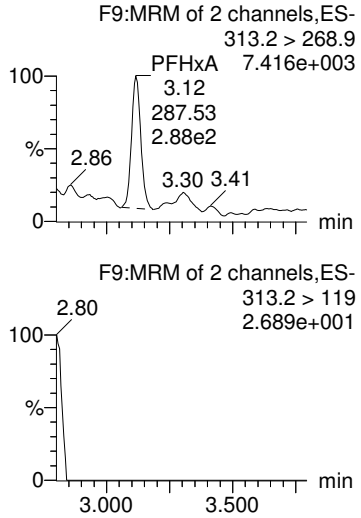
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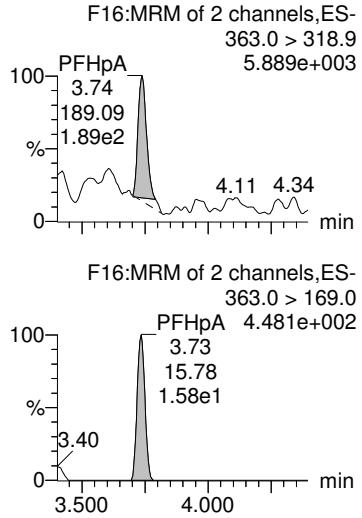
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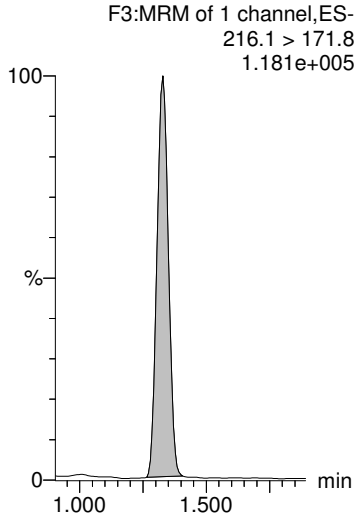
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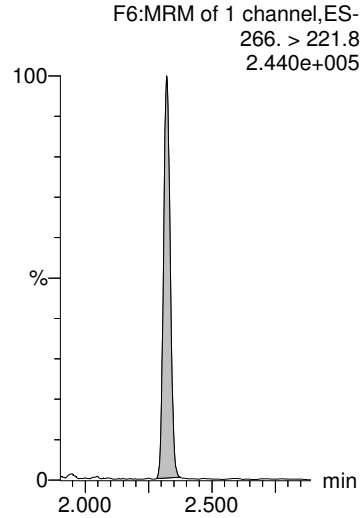
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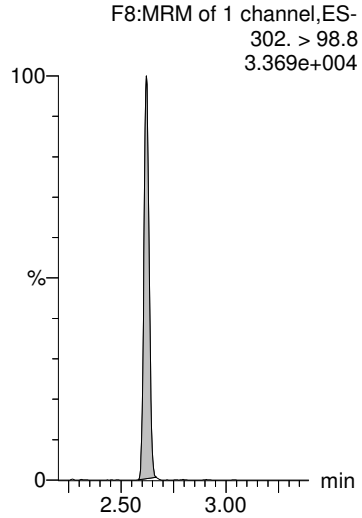
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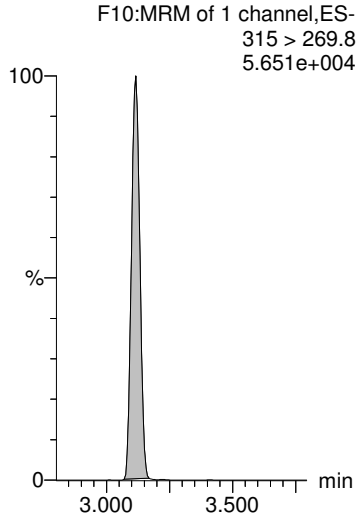
13C3-PFPeA



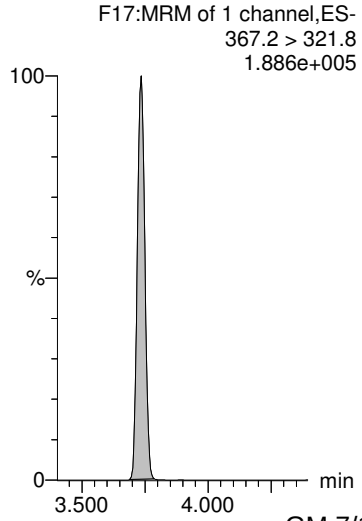
13C3-PFBS



13C2-PFHxA



13C4-PFHpA



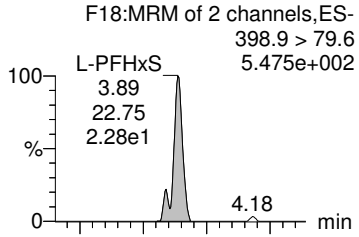
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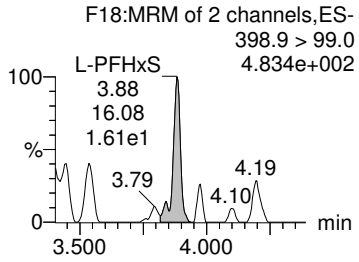
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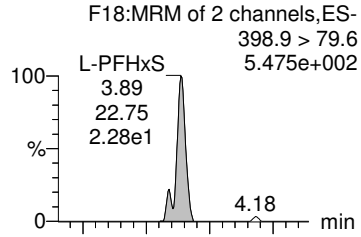
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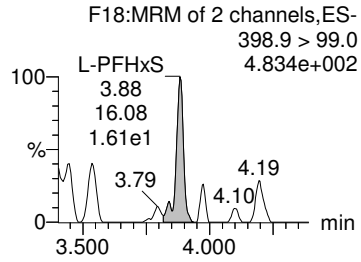
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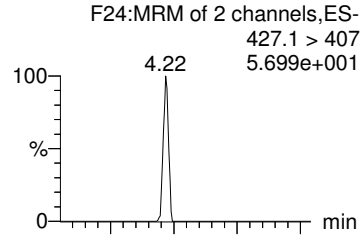


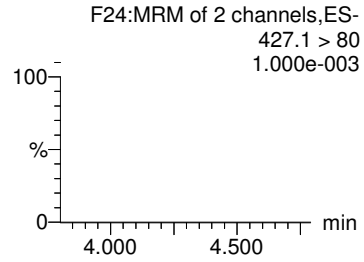
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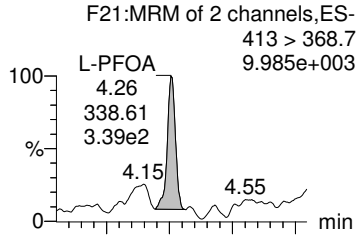


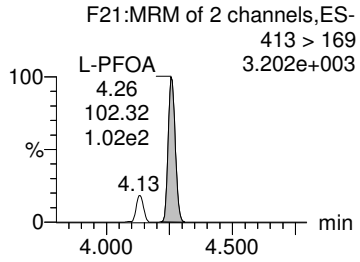
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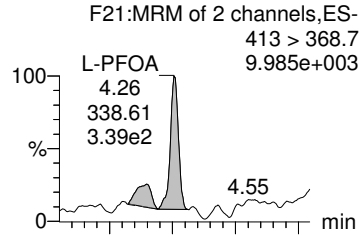


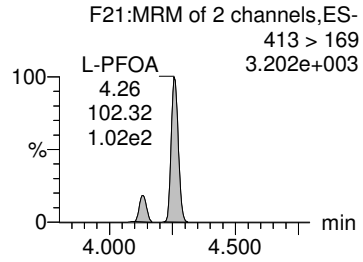
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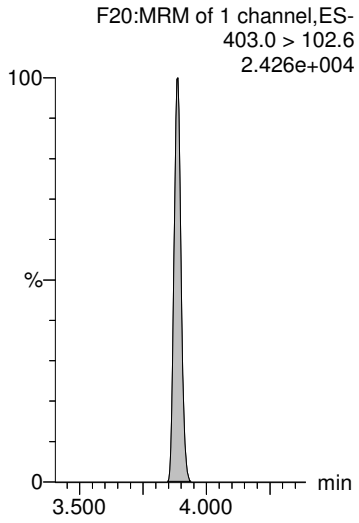


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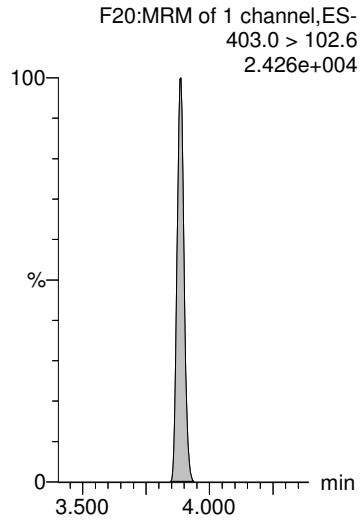




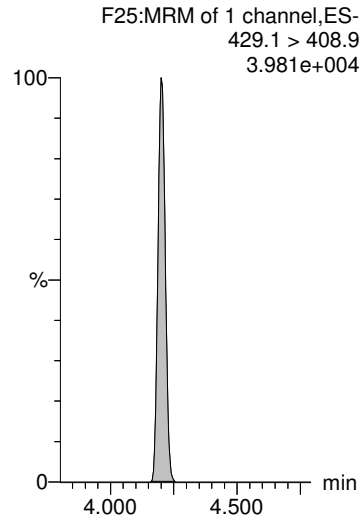
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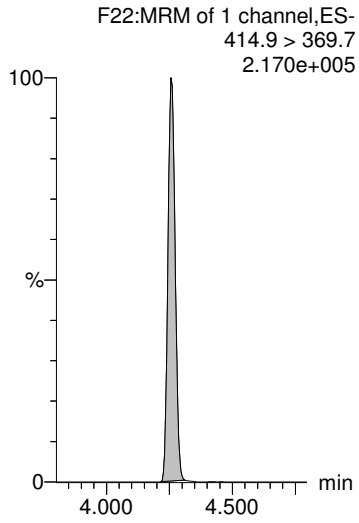
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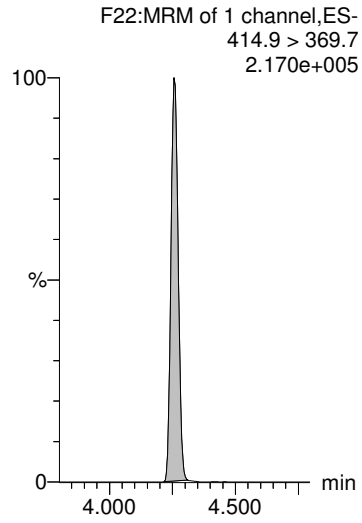
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



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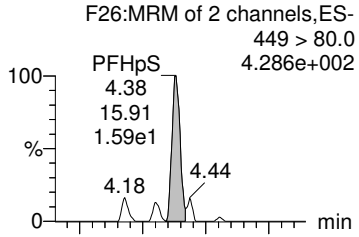
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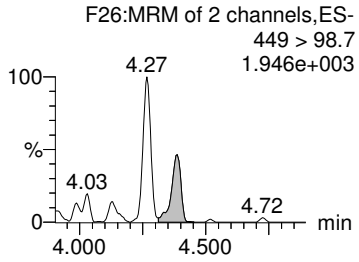
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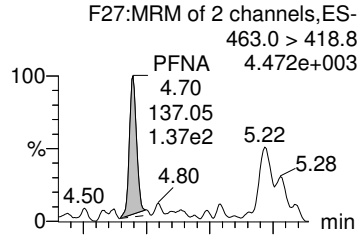
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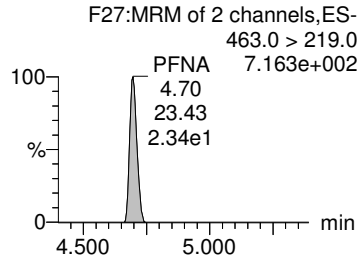
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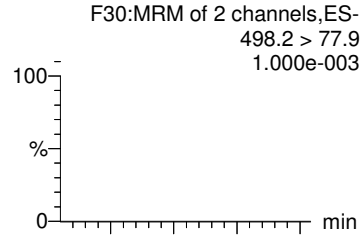


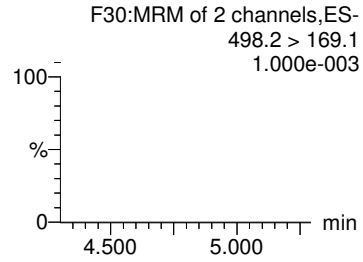
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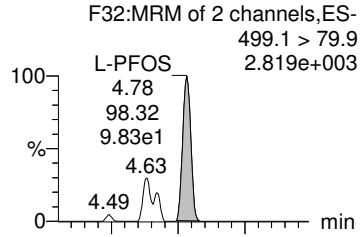


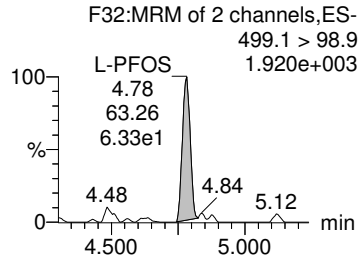
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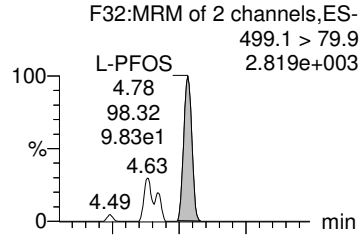


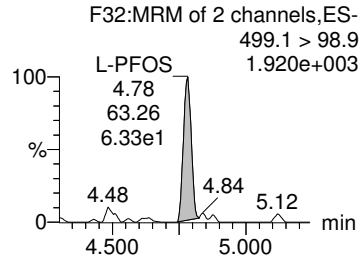
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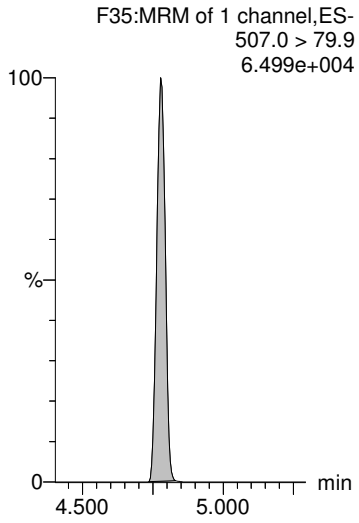


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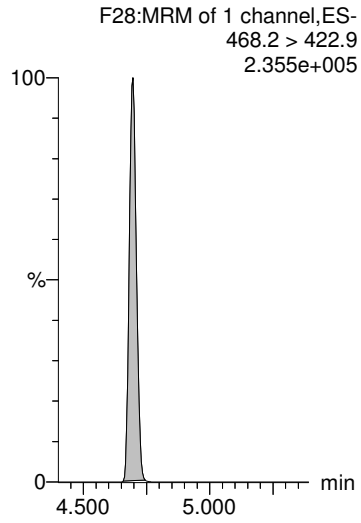




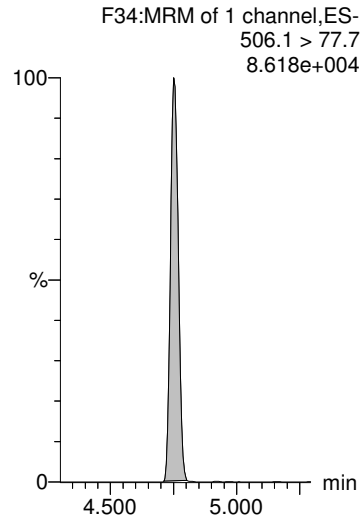
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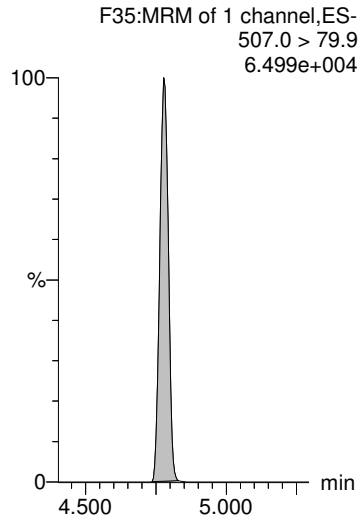
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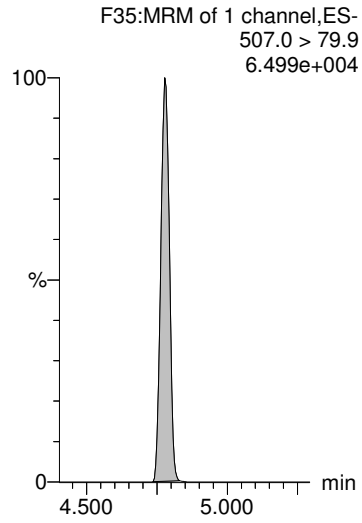
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13C8-PFOS



13C8-PFOS



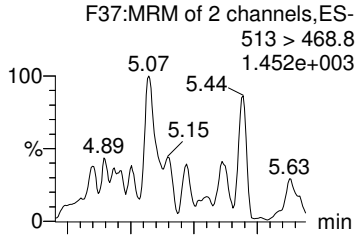
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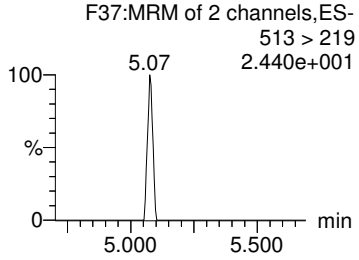
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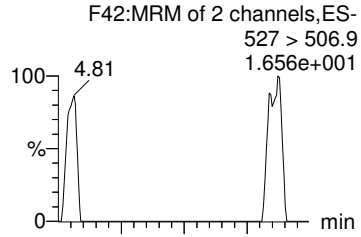
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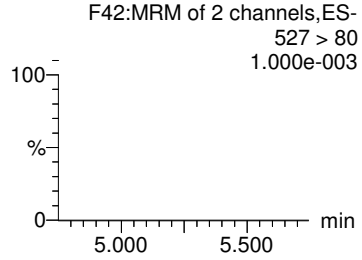
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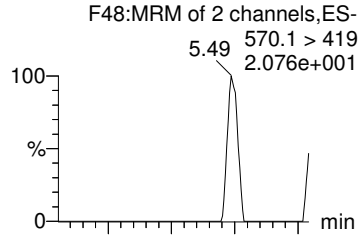


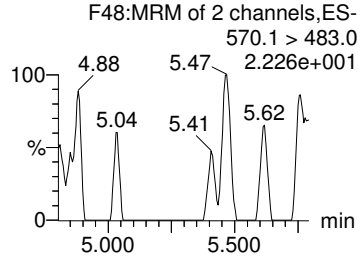
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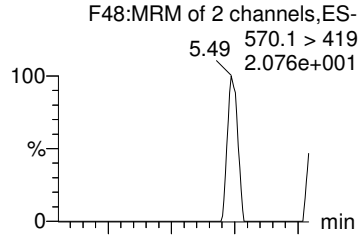


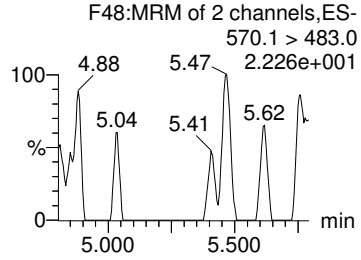
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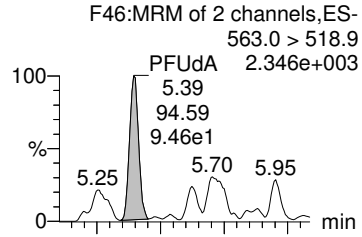


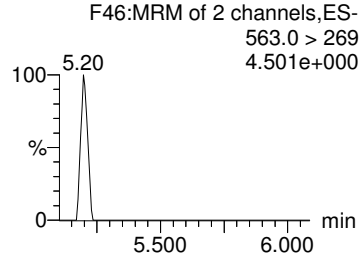
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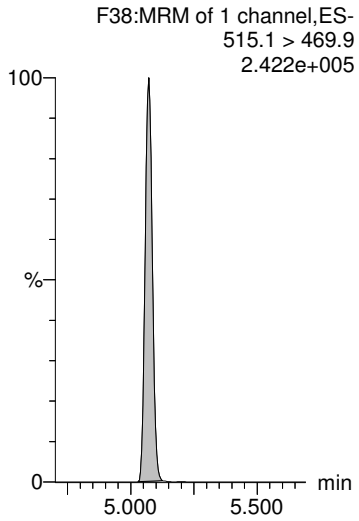


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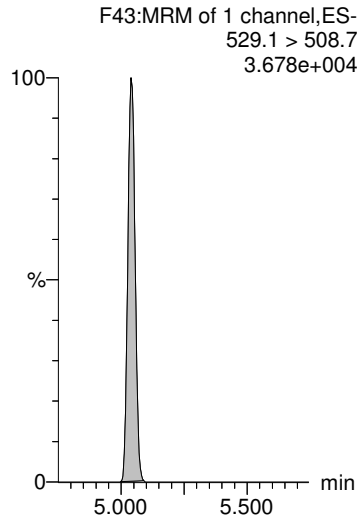




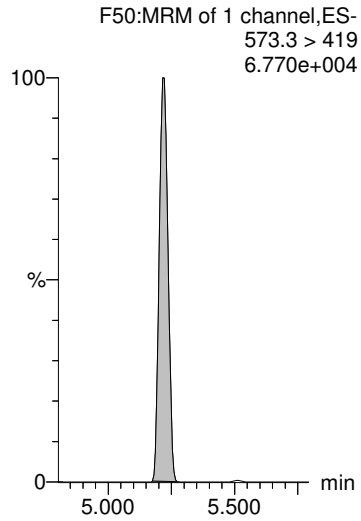
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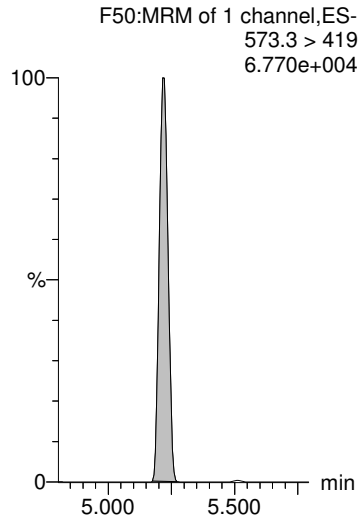
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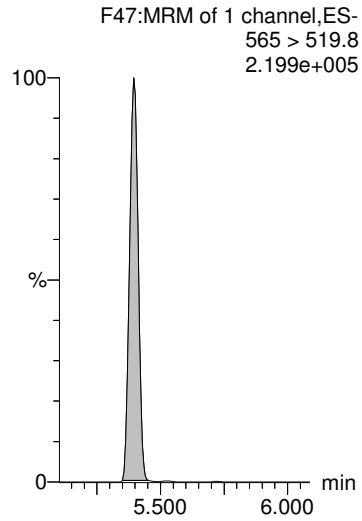
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d3-N-MeFOSAA



13C2-PFUdA



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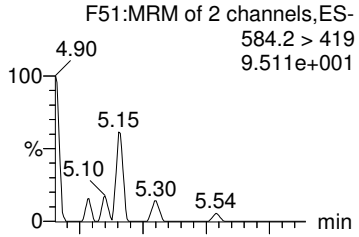
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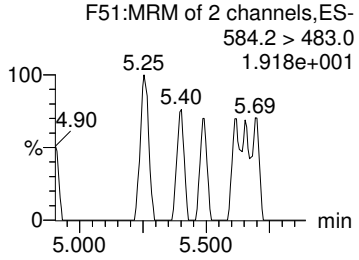
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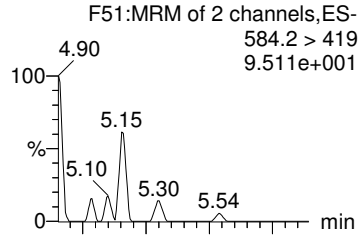
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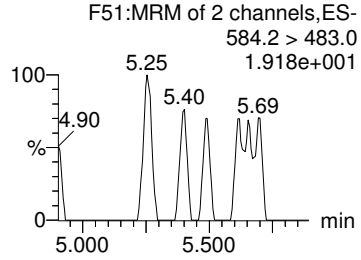
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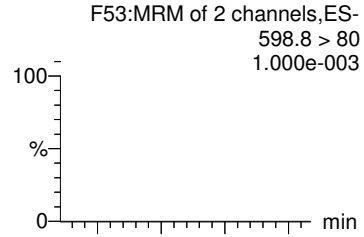


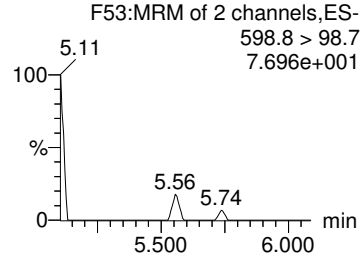
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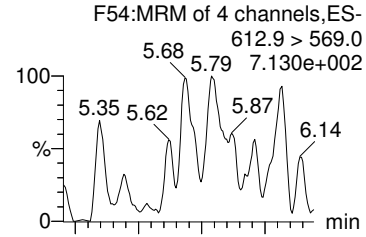


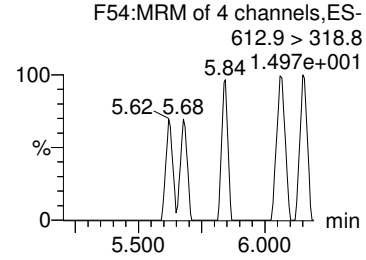
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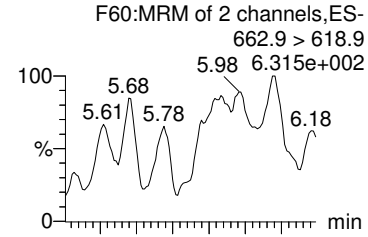


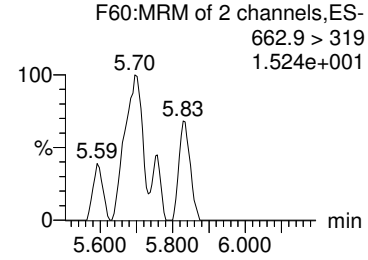
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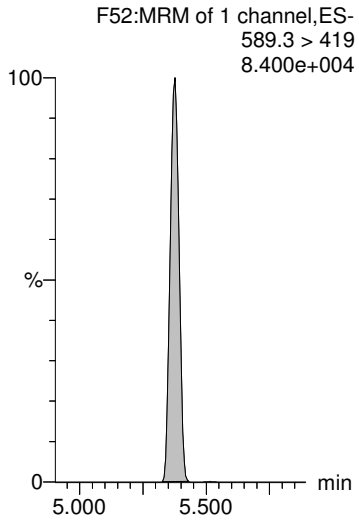


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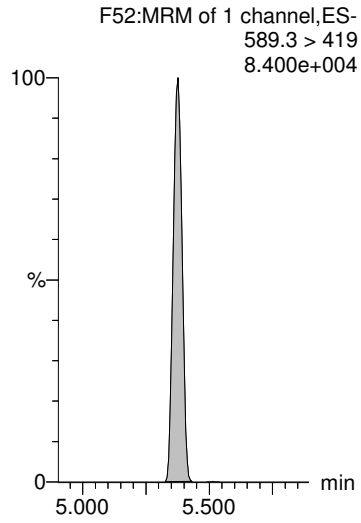




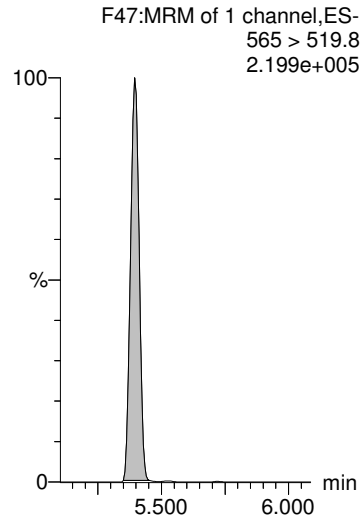
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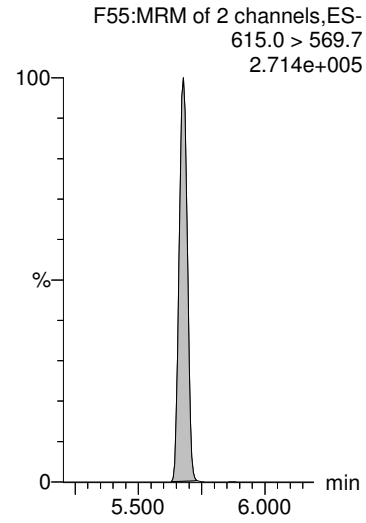
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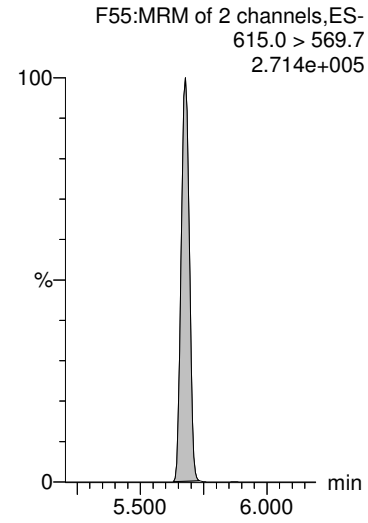
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13C2-PFDoA



13C2-PFDoA



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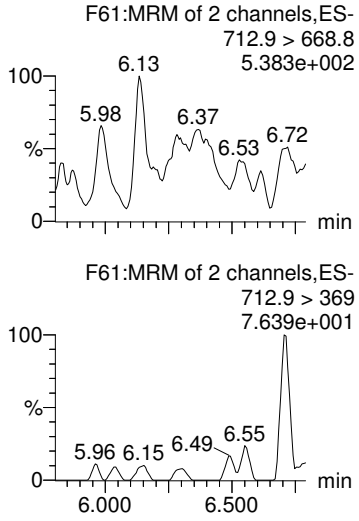
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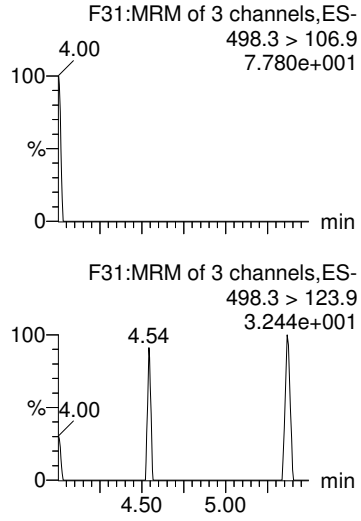
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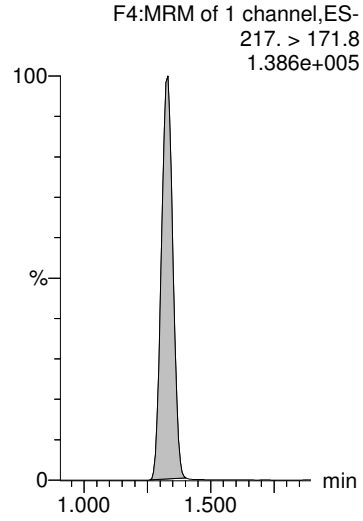
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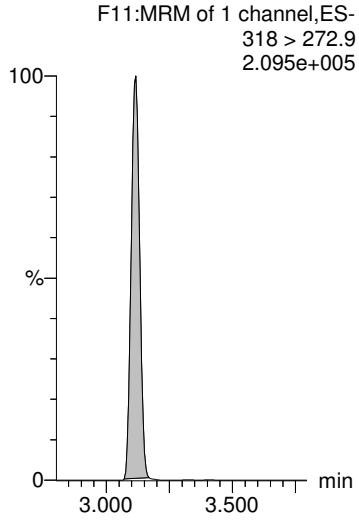
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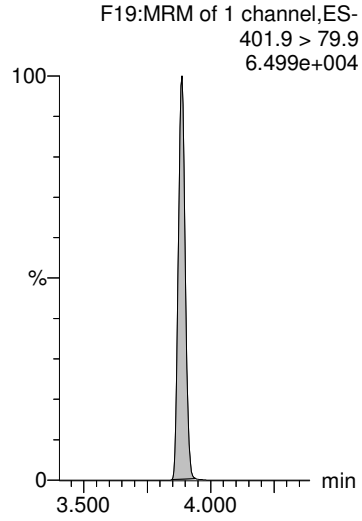
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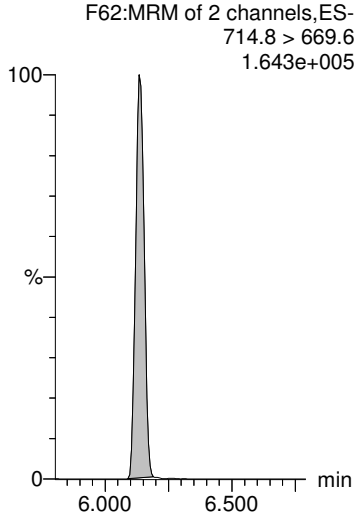
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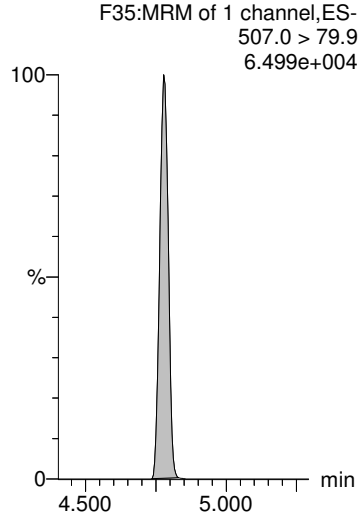
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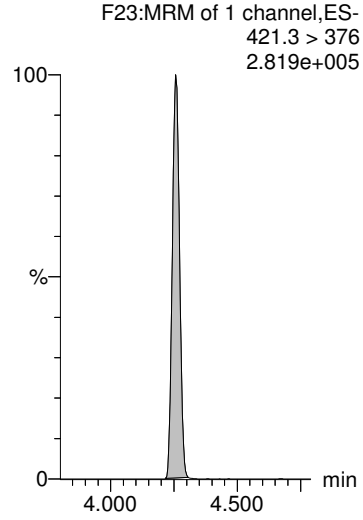
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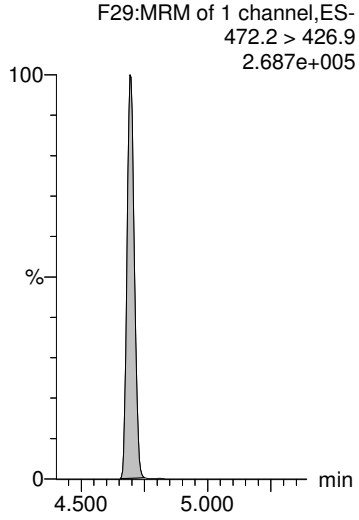
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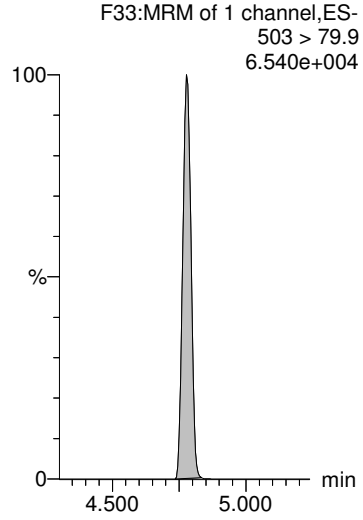
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13C9-PFNA



13C4-PFOS



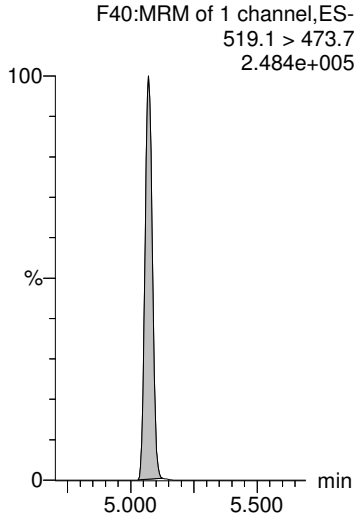
GM 7/19/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-64.qld MMM 7/20/2018

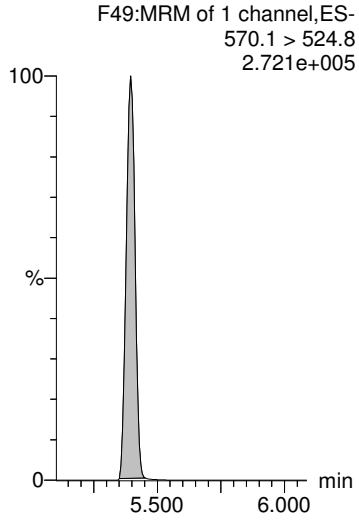
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Printed: Thursday, July 19, 2018 15:45:49 Pacific Daylight Time

Name: 180713M2_64, Date: 14-Jul-2018, Time: 03:21:24, ID: 1801486-04 SW-DP01-20180626 0.24361, Description: SW-DP01-20180626

13C6-PFDA



13C7-PFUdA



GM 7/19/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-65.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:04:48 Pacific Daylight Time
Printed: Thursday, July 19, 2018 15:05:36 Pacific Daylight Time

Name: 180713M2_65, Date: 14-Jul-2018, Time: 03:31:49, ID: 1801486-05 SW-DP02-20180626 0.23993, Description: SW-DP02-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	4.58e2	6.92e3	0.240	0.000	1.32	0.827	3.1274			
2	2	PFPeA	263.1 > 21...	2.04e2	8.52e3	0.240	0.000	2.32	0.299	1.3011			
3	3	PFBS	299.0 > 79.7		1.09e3	0.240							
4	5	PFHxA	313.2 > 26...	3.17e2	2.51e3	0.240	0.000	3.12	0.631	1.5580		74.7	YES
5	7	PFHpA	363.0 > 31...	1.82e2	7.02e3	0.240	0.000	3.73	0.325	1.1958		11.0	YES
6	36	13C3-PFBA	216.1 > 17...	6.92e3	7.86e3	0.240	0.881	1.31	11.0	50.1133	96.2		
7	37	13C3-PFPeA	266. > 221.8	8.52e3	8.92e3	0.240	0.956	2.32	11.9	50.3701	96.7		
8	38	13C3-PFBS	302. > 98.8	1.09e3	8.92e3	0.240	0.122	2.62	1.52	53.0128	101.8		
9	40	13C2-PFHxA	315 > 269.8	2.51e3	8.92e3	0.240	0.704	3.12	3.52	19.6787	94.4		
10	41	13C4-PFHpA	367.2 > 32...	7.02e3	8.92e3	0.240	0.787	3.73	9.84	50.5667	97.1		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	2.71e1	8.31e2	0.240	0.000	3.88	0.408	1.1467		1.93	YES
13	68	Total PFHxS	398.9 > 79.6	2.71e1	8.31e2	0.240			0.408	1.1467			
14	10	6:2 FTS	427.1 > 407	7.31e-1	2.01e3	0.240	0.000	4.19	0.00454			1.28	YES
15	11	L-PFOA	413 > 368.7	2.54e2	8.28e3	0.240	0.000	4.26	0.383	1.4946		3.30	NO
16	69	Total PFOA	413 > 368.7	2.54e2	8.28e3	0.240			0.383	1.4946			
17	42	18O2-PFHxS	403.0 > 10...	8.31e2	2.06e3	0.240	0.403	3.89	5.04	51.3347	98.5		
18	42	18O2-PFHxS	403.0 > 10...	8.31e2	2.06e3	0.240	0.403	3.89	5.04	51.3347	98.5		
19	43	13C2-6:2 FTS	429.1 > 40...	2.01e3	1.02e4	0.240	0.197	4.20	2.46	48.1607	92.4		
20	44	13C2-PFOA	414.9 > 36...	8.28e3	1.02e4	0.240	0.808	4.26	10.1	44.5088	85.4		
21	44	13C2-PFOA	414.9 > 36...	8.28e3	1.02e4	0.240	0.808	4.26	10.1	44.5088	85.4		
22	-1												
23	13	PFHpS	449 > 80.0		2.20e3	0.240							
24	14	PFNA	463.0 > 41...	1.43e2	7.94e3	0.240	0.000	4.70	0.226	0.8305		6.82	YES
25	15	PFOSA	498.2 > 77.9		3.24e3	0.240							
26	16	L-PFOS	499.1 > 79.9	1.23e2	2.20e3	0.240	0.000	4.78	0.698	2.6669		2.53	NO
27	70	Total PFOS	499.1 > 79.9	1.23e2	2.20e3	0.240			0.698	2.6669			
28	47	13C8-PFOS	507.0 > 79.9	2.20e3	2.43e3	0.240	0.907	4.78	11.3	42.5963	81.8		
29	45	13C5-PFNA	468.2 > 42...	7.94e3	9.56e3	0.240	0.831	4.69	10.4	44.2233	84.9		
30	46	13C8-PFOSA	506.1 > 77.7	3.24e3	1.29e4	0.240	0.251	4.75	3.13	43.1315	82.8		
31	47	13C8-PFOS	507.0 > 79.9	2.20e3	2.43e3	0.240	0.907	4.78	11.3	42.5963	81.8		
32	47	13C8-PFOS	507.0 > 79.9	2.20e3	2.43e3	0.240	0.907	4.78	11.3	42.5963	81.8		
33	-1												
34	18	PFDA	513 > 468.8	6.75e1	7.77e3	0.240	0.000	5.07	0.109	0.3396		9.28	YES
35	19	8:2 FTS	527 > 506.9		1.38e3	0.240							
36	21	L-MeFOSAA	570.1 > 419		3.80e3	0.240							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	3.80e3	0.240			0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-65.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:04:48 Pacific Daylight Time
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Name: 180713M2_65, Date: 14-Jul-2018, Time: 03:31:49, ID: 1801486-05 SW-DP02-20180626 0.23993, Description: SW-DP02-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...		1.05e4	0.240							
39	48	13C2-PFDA	515.1 > 46...	7.77e3	1.06e4	0.240	0.733	5.07	9.17	37.9439	72.8		
40	49	13C2-8:2 FTS	529.1 > 50...	1.38e3	8.92e3	0.240	0.154	5.04	1.93	41.1864	79.1		
41	50	d3-N-MeFOSAA	573.3 > 419	3.80e3	1.29e4	0.240	0.294	5.22	3.68	59.3172	113.9		
42	50	d3-N-MeFOSAA	573.3 > 419	3.80e3	1.29e4	0.240	0.294	5.22	3.68	59.3172	113.9		
43	52	13C2-PFUdA	565 > 519.8	1.05e4	1.29e4	0.240	0.815	5.39	10.2	46.8839	90.0		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		4.23e3	0.240							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	4.23e3	0.240			0.000				
47	26	PFDS	598.8 > 80		1.05e4	0.240							
48	27	PFDoA	612.9 > 56...		1.24e4	0.240							
49	29	PFTrDA	662.9 > 61...		1.24e4	0.240							
50	51	d5-N-EtFOSAA	589.3 > 419	4.23e3	1.29e4	0.240	0.327	5.37	4.09	60.9151	116.9		
51	51	d5-N-EtFOSAA	589.3 > 419	4.23e3	1.29e4	0.240	0.327	5.37	4.09	60.9151	116.9		
52	52	13C2-PFUdA	565 > 519.8	1.05e4	1.29e4	0.240	0.815	5.39	10.2	46.8839	90.0		
53	53	13C2-PFDoA	615.0 > 56...	1.24e4	1.06e4	0.240	1.17	5.67	14.7	48.4008	92.9		
54	53	13C2-PFDoA	615.0 > 56...	1.24e4	1.06e4	0.240	1.17	5.67	14.7	48.4008	92.9		
55	-1												
56	30	PFTeDA	712.9 > 66...		7.99e3	0.240							
57	73	TCDA	498.3>106.9			0.240							
58	60	13C4-PFBA	217. > 171.8	7.86e3	7.86e3	0.240	1.00	1.32	12.5	52.0985	100.0		
59	61	13C5-PFHxA	318 > 272.9	8.92e3	8.92e3	0.240	1.00	3.12	12.5	52.0985	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	2.06e3	2.06e3	0.240	1.00	3.89	12.5	52.0985	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	7.99e3	1.29e4	0.240	0.619	6.13	7.74	56.1484	107.8		
62	47	13C8-PFOS	507.0 > 79.9	2.20e3	2.43e3	0.240	0.907	4.78	11.3	42.5963	81.8		
63	63	13C8-PFOA	421.3 > 376	1.02e4	1.02e4	0.240	1.00	4.26	12.5	52.0985	100.0		
64	64	13C9-PFNA	472.2 > 42...	9.56e3	9.56e3	0.240	1.00	4.69	12.5	52.0985	100.0		
65	65	13C4-PFOS	503 > 79.9	2.43e3	2.43e3	0.240	1.00	4.78	12.5	52.0985	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	1.06e4	1.06e4	0.240	1.00	5.07	12.5	52.0985	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.29e4	1.29e4	0.240	1.00	5.39	12.5	52.0985	100.0		

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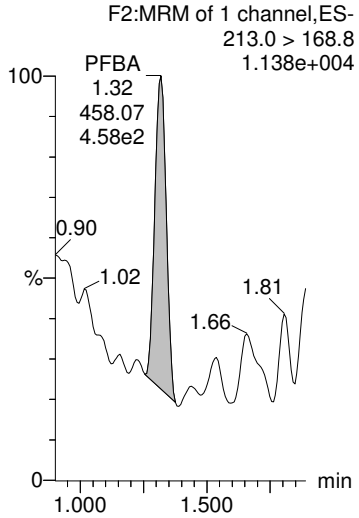
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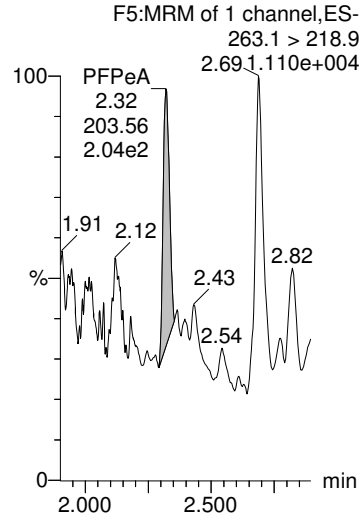
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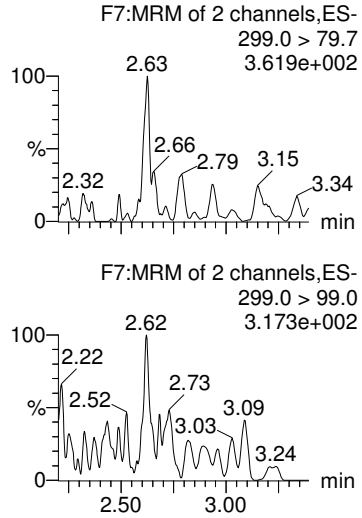
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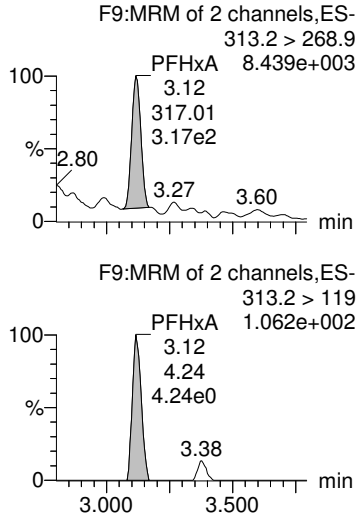
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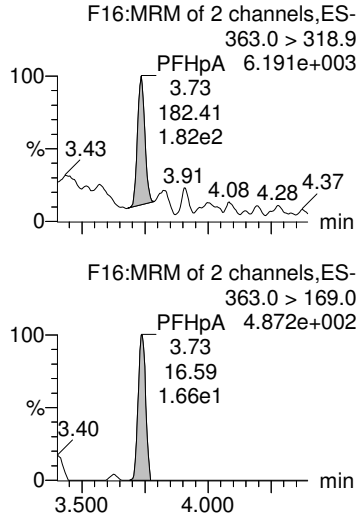
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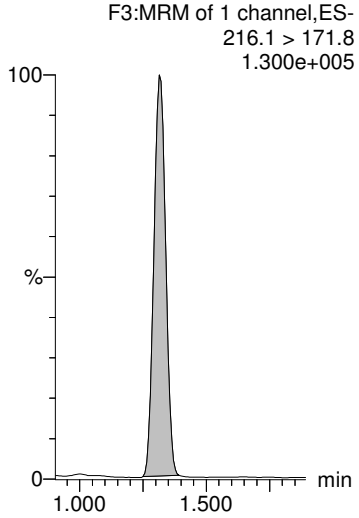
PFHxA



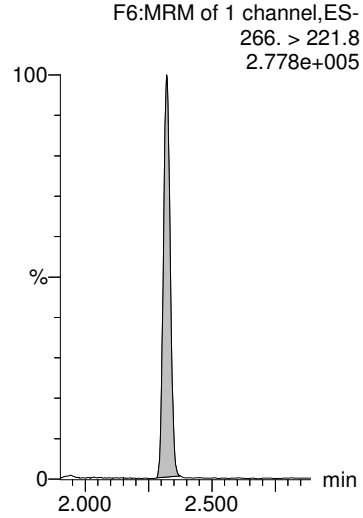
PFHpA



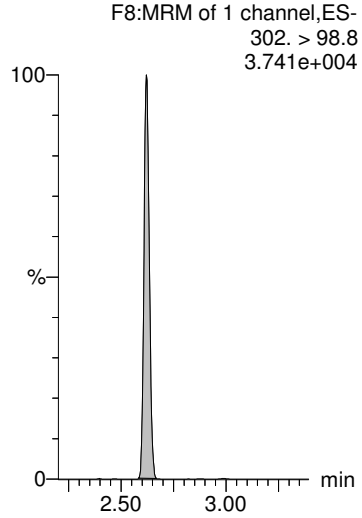
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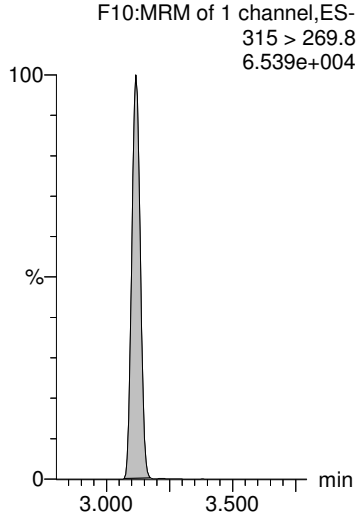
13C3-PFPeA



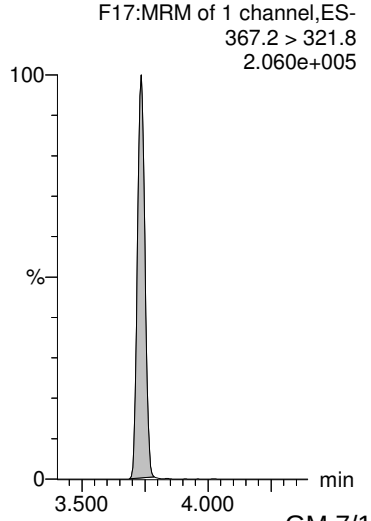
13C3-PFBS



13C2-PFHxA



13C4-PFHpA



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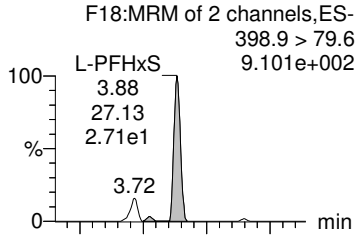
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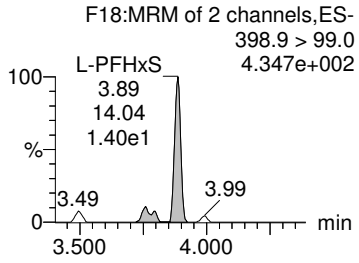
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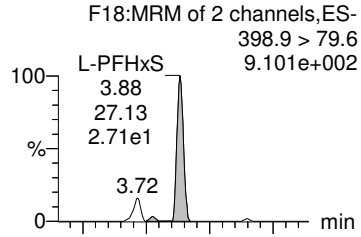
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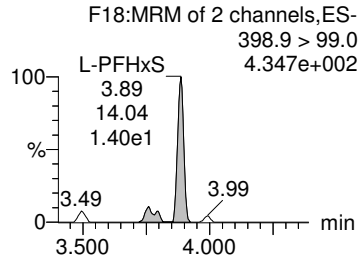
L-PFHxS



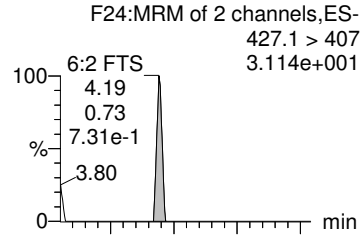


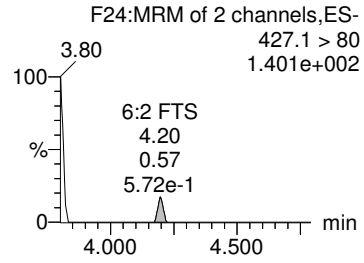
Total PFHxS



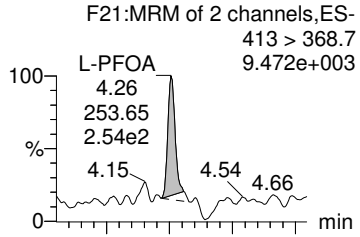


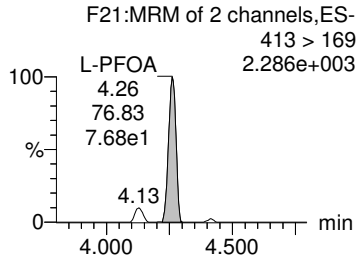
6:2 FTS



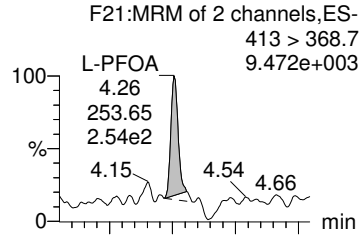


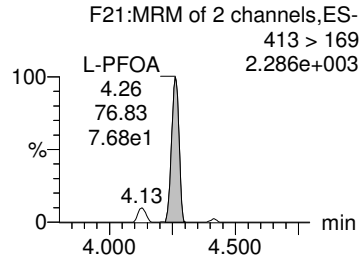
L-PFOA



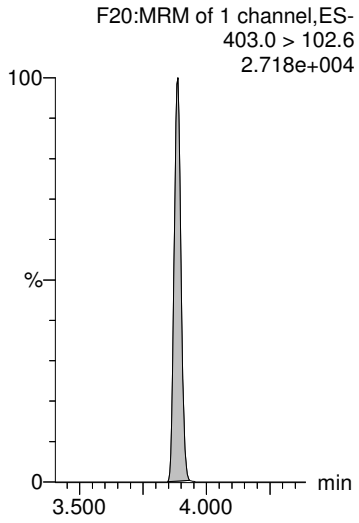


Total PFOA

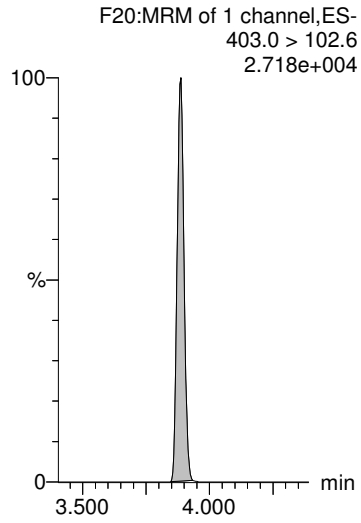




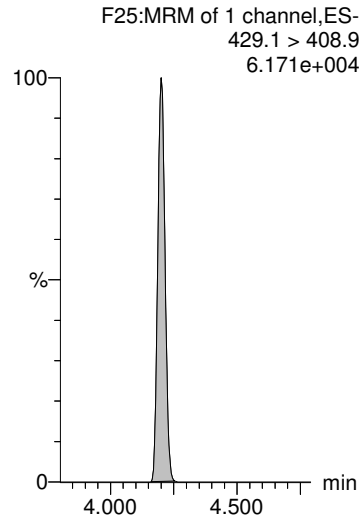
18O2-PFHxS



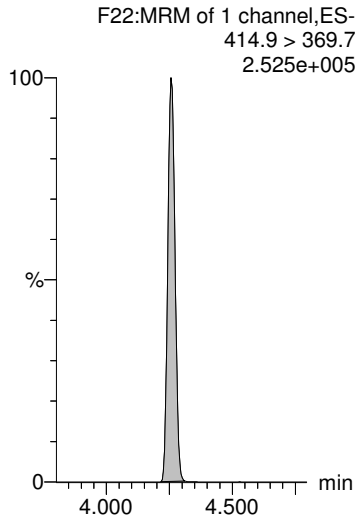
18O2-PFHxS



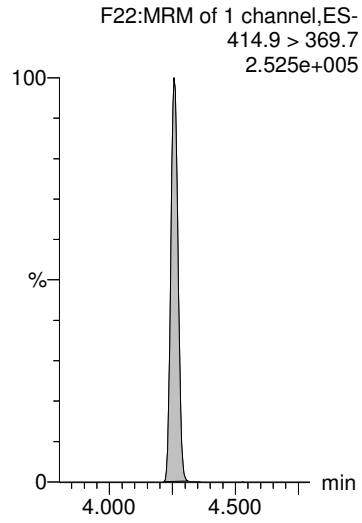
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



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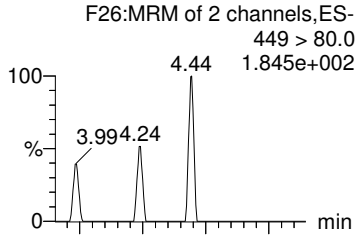
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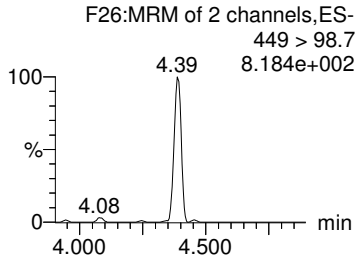
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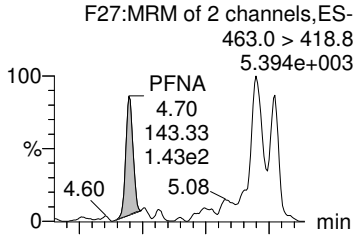
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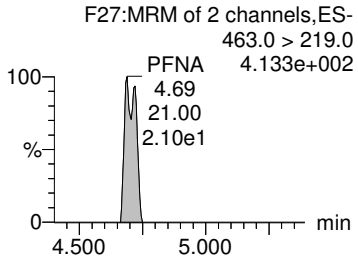
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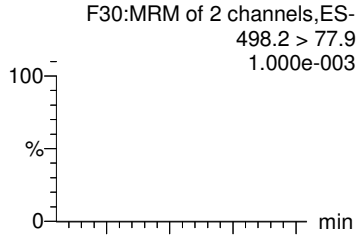


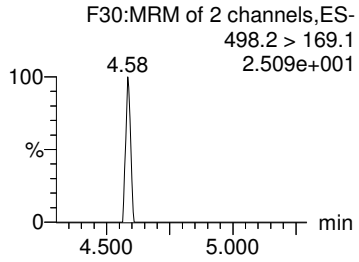
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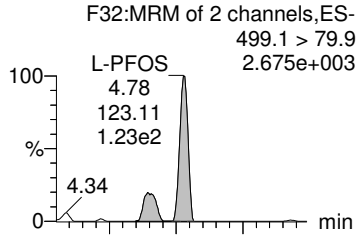


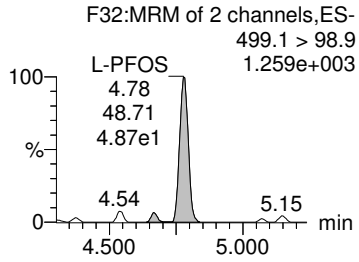
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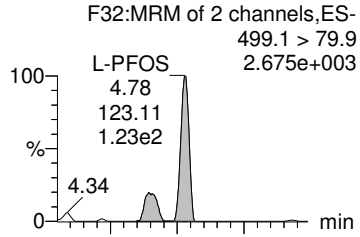


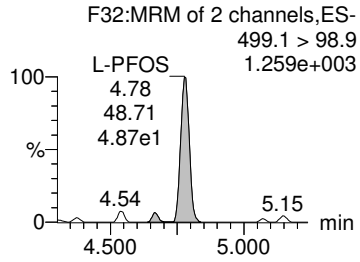
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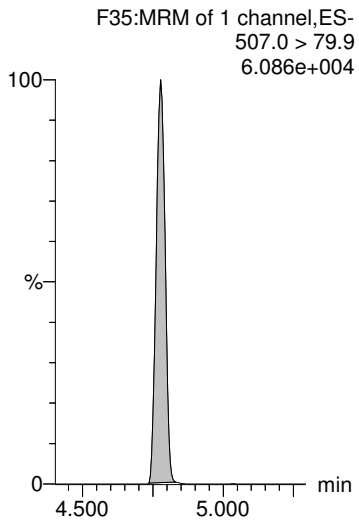


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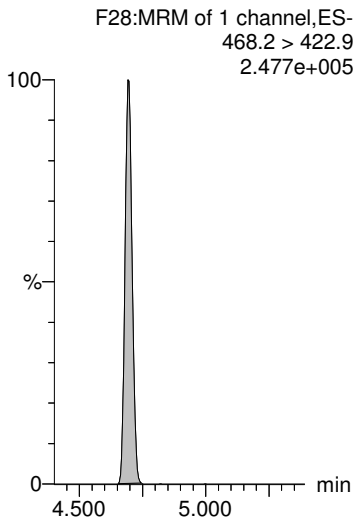




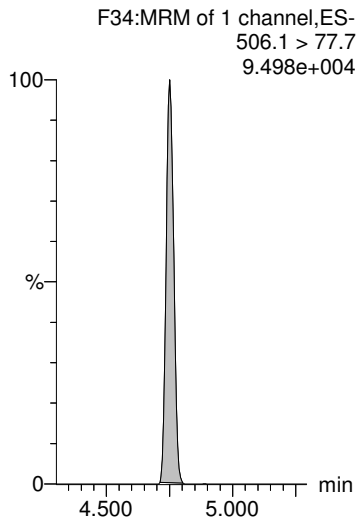
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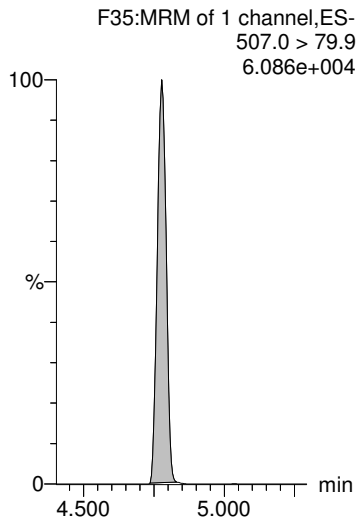
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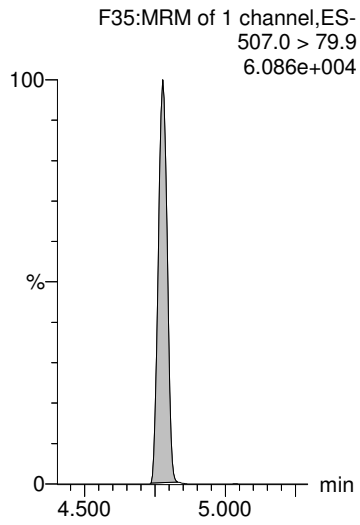
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13C8-PFOS



13C8-PFOS



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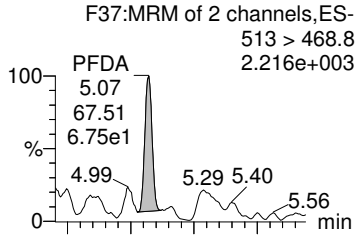
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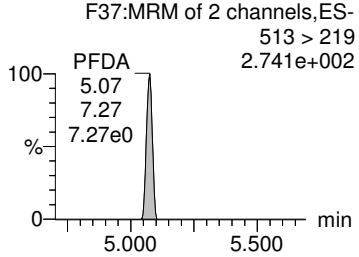
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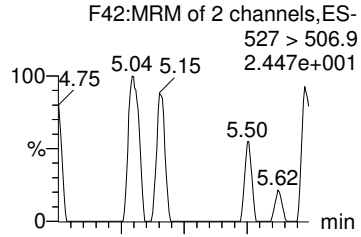
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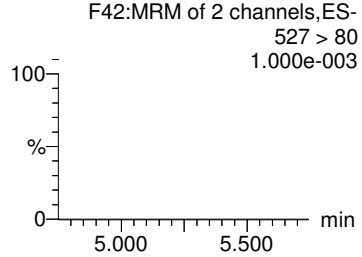
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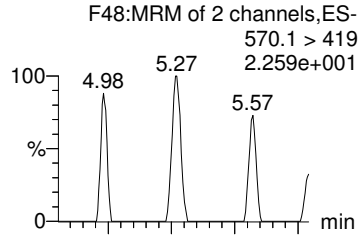


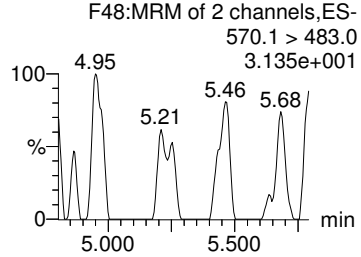
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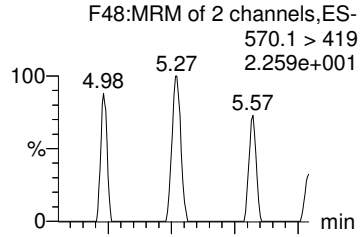


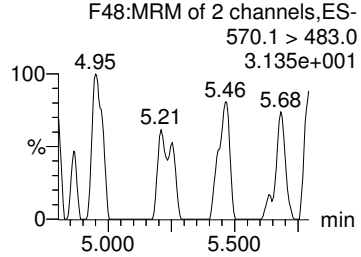
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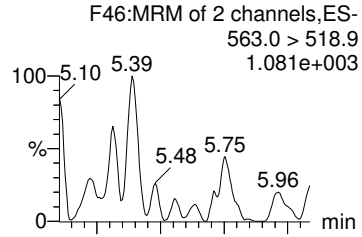


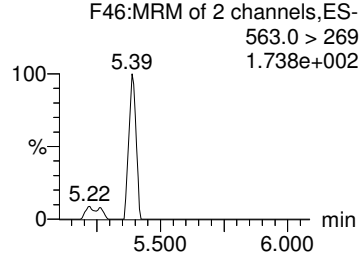
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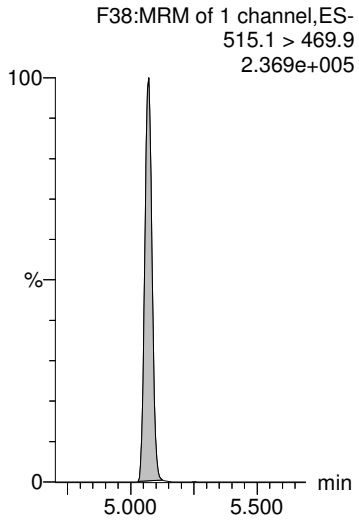


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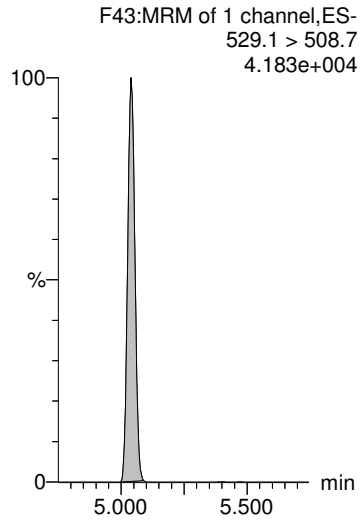




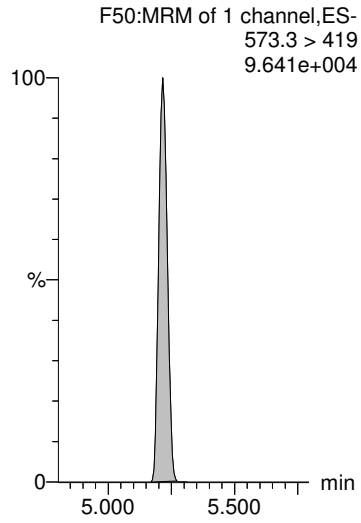
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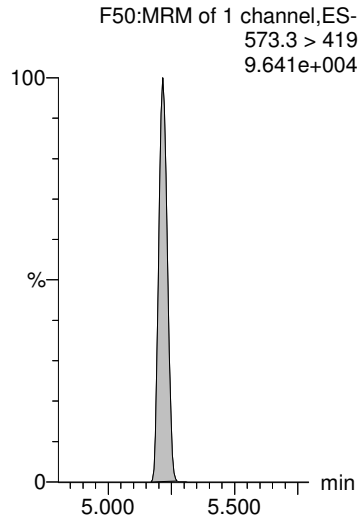
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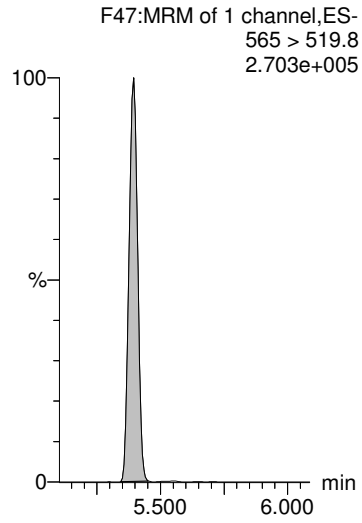
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d3-N-MeFOSAA



13C2-PFUdA



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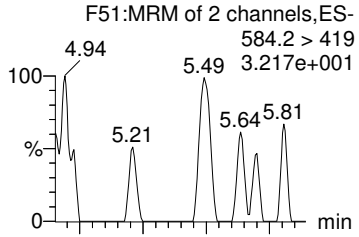
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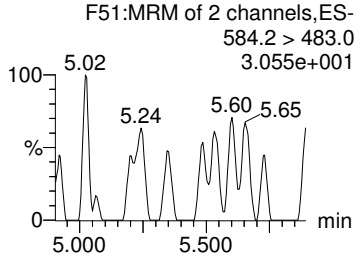
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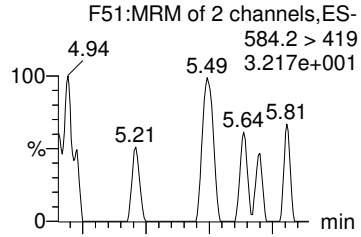
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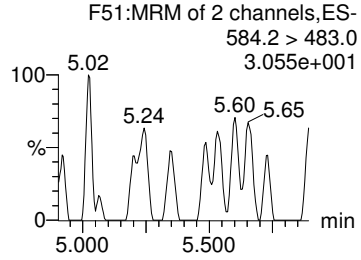
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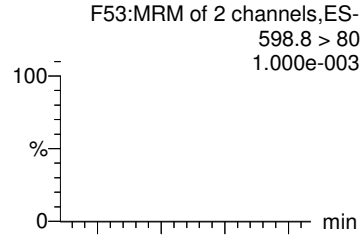


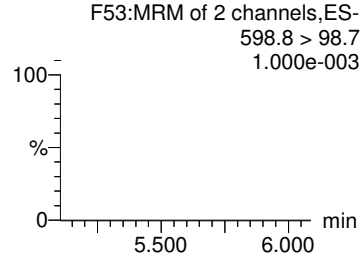
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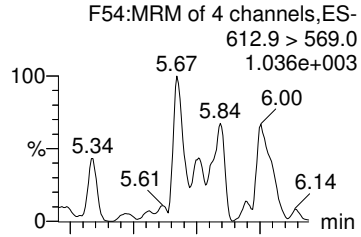


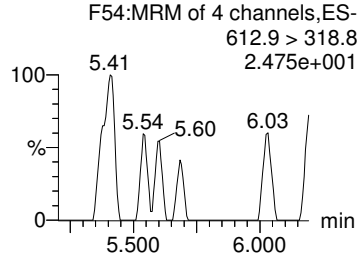
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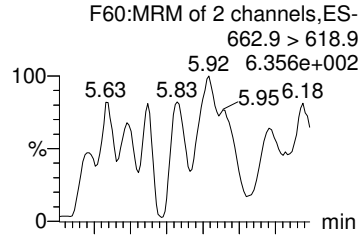


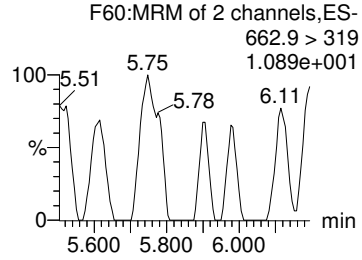
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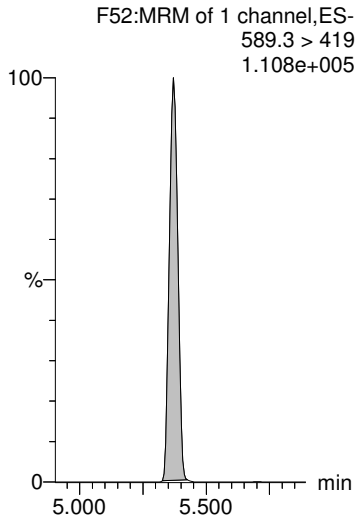


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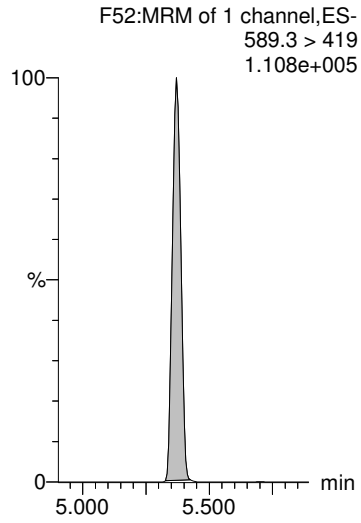




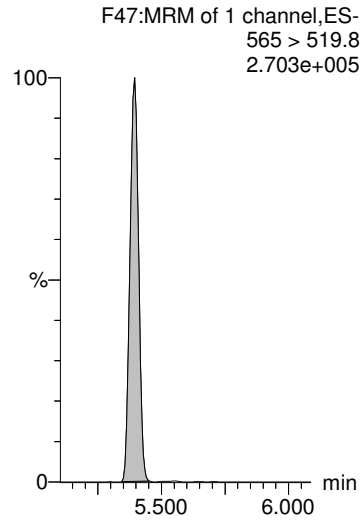
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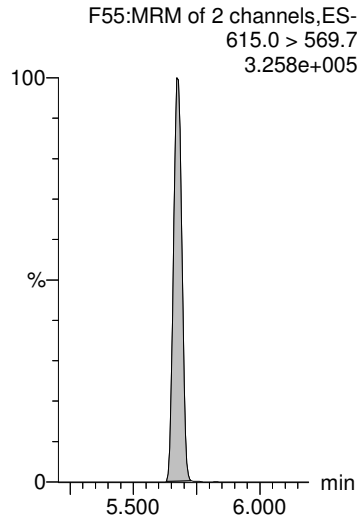
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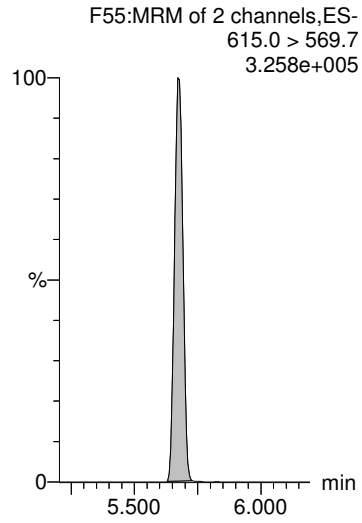
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13C2-PFDoA



13C2-PFDoA



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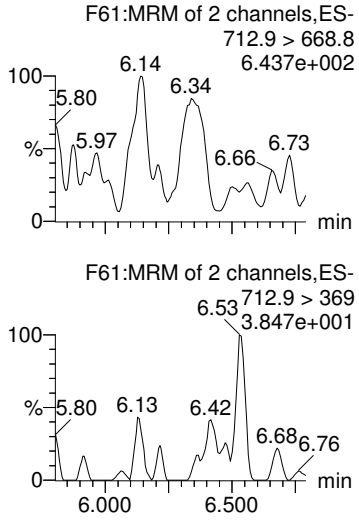
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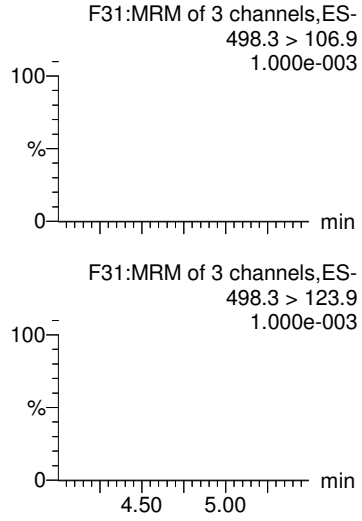
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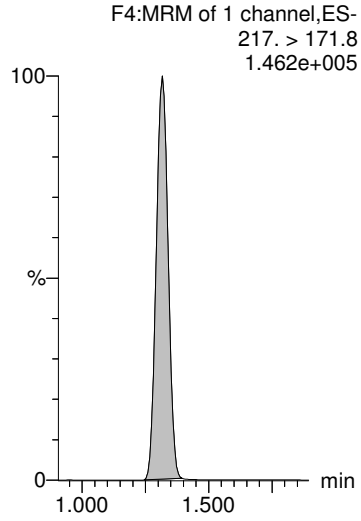
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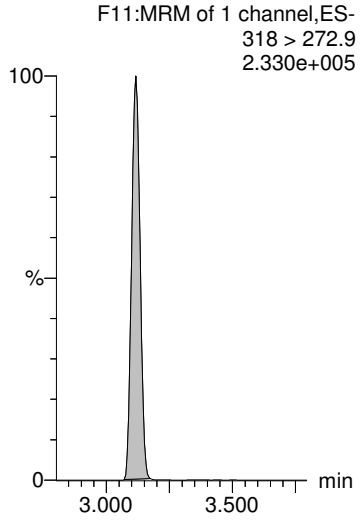
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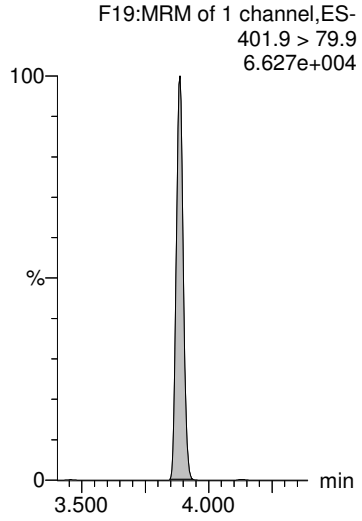
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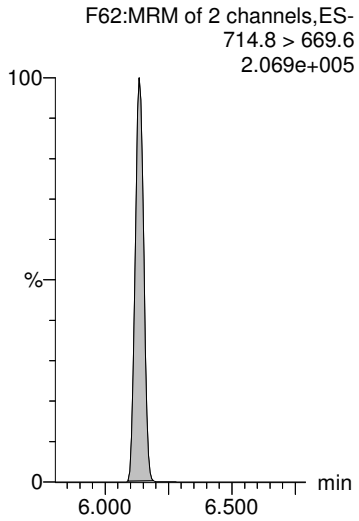
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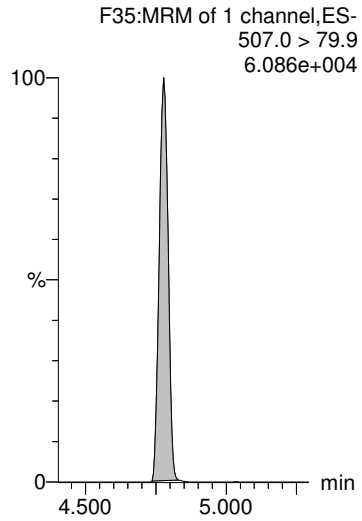
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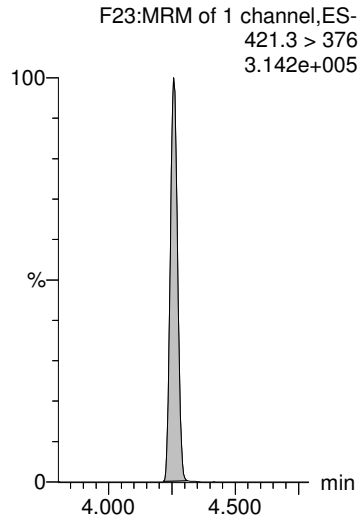
13C2-PFTeDA



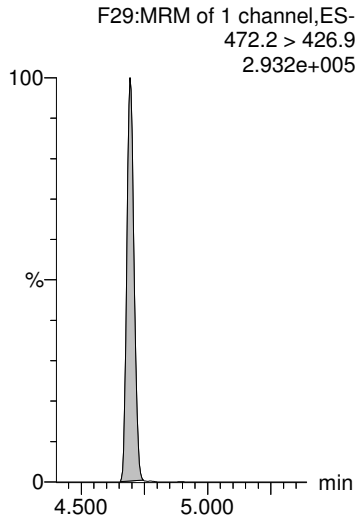
13C8-PFOS



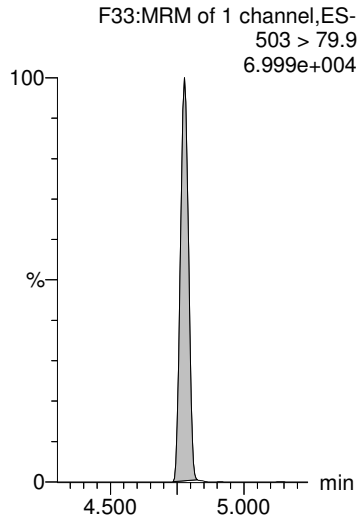
13C8-PFOA



13C9-PFNA



13C4-PFOS



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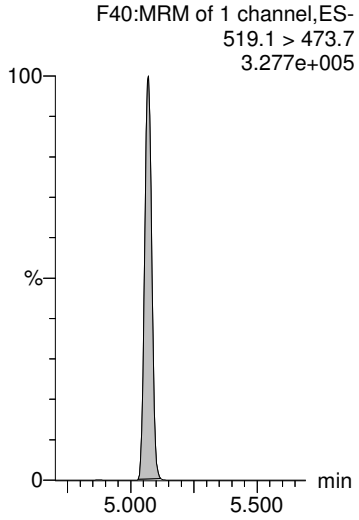
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MMM 7/20/2018

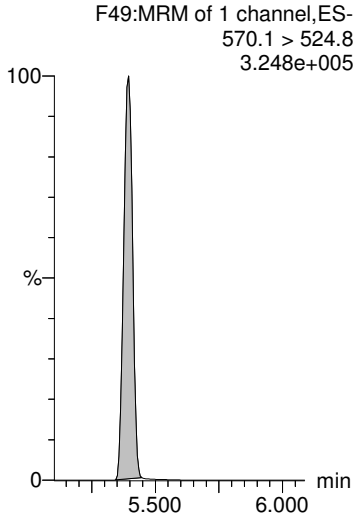
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Name: 180713M2_65, Date: 14-Jul-2018, Time: 03:31:49, ID: 1801486-05 SW-DP02-20180626 0.23993, Description: SW-DP02-20180626

13C6-PFDA



13C7-PFUdA



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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-66.qld

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Last Altered: Thursday, July 19, 2018 15:16:18 Pacific Daylight Time
Printed: Thursday, July 19, 2018 15:16:47 Pacific Daylight Time

Name: 180713M2_66, Date: 14-Jul-2018, Time: 03:42:19, ID: 1801486-06 SA-SW201-20180626 0.25302, Description: SA-SW201-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	5.05e2	6.07e3	0.253	0.000	1.33	1.04	3.6889			
2	2	PFPeA	263.1 > 21...	5.09e2	7.28e3	0.253	0.000	2.32	0.874	3.4050			
3	3	PFBS	299.0 > 79.7	3.24e1	9.59e2	0.253	0.000	2.63	0.422	0.8938		1.90	NO
4	5	PFHxA	313.2 > 26...	6.21e2	2.20e3	0.253	0.000	3.12	1.41	3.3251		1350	YES
5	7	PFHpA	363.0 > 31...	4.25e2	6.25e3	0.253	0.000	3.73	0.851	2.9486		29.6	YES
6	36	13C3-PFBA	216.1 > 17...	6.07e3	7.12e3	0.253	0.853	1.33	10.7	46.0086	93.1		
7	37	13C3-PFPeA	266. > 221.8	7.28e3	8.17e3	0.253	0.891	2.32	11.1	44.5402	90.2		
8	38	13C3-PFBS	302. > 98.8	9.59e2	8.17e3	0.253	0.117	2.62	1.47	48.3750	97.9		
9	40	13C2-PFHxA	315 > 269.8	2.20e3	8.17e3	0.253	0.672	3.12	3.36	17.8061	90.1		
10	41	13C4-PFHpA	367.2 > 32...	6.25e3	8.17e3	0.253	0.765	3.73	9.56	46.5888	94.3		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	8.04e1	6.87e2	0.253	0.000	3.89	1.46	3.2824		1.41	NO
13	68	Total PFHxS	398.9 > 79.6	8.04e1	6.87e2	0.253			1.46	3.2824			
14	10	6:2 FTS	427.1 > 407		1.27e3	0.253							
15	11	L-PFOA	413 > 368.7	8.79e2	6.96e3	0.253	0.000	4.26	1.58	5.9803		3.34	NO
16	69	Total PFOA	413 > 368.7	1.00e3	6.96e3	0.253			1.80	6.7940			
17	42	18O2-PFHxS	403.0 > 10...	6.87e2	1.94e3	0.253	0.354	3.89	4.43	42.8262	86.7		
18	42	18O2-PFHxS	403.0 > 10...	6.87e2	1.94e3	0.253	0.354	3.89	4.43	42.8262	86.7		
19	43	13C2-6:2 FTS	429.1 > 40...	1.27e3	8.38e3	0.253	0.152	4.20	1.89	35.2183	71.3		
20	44	13C2-PFOA	414.9 > 36...	6.96e3	8.38e3	0.253	0.830	4.26	10.4	43.3477	87.7		
21	44	13C2-PFOA	414.9 > 36...	6.96e3	8.38e3	0.253	0.830	4.26	10.4	43.3477	87.7		
22	-1												
23	13	PFHpS	449 > 80.0	1.15e1	2.23e3	0.253	0.000	4.40	0.0645	0.2274		0.601	YES
24	14	PFNA	463.0 > 41...	3.64e3	7.64e3	0.253	0.000	4.70	5.96	20.3827		4.44	NO
25	15	PFOSA	498.2 > 77.9		3.07e3	0.253							
26	16	L-PFOS	499.1 > 79.9	1.51e2	2.23e3	0.253	0.000	4.78	0.847	3.2336		2.02	NO
27	70	Total PFOS	499.1 > 79.9	1.51e2	2.23e3	0.253			0.847	3.2336			
28	47	13C8-PFOS	507.0 > 79.9	2.23e3	2.31e3	0.253	0.966	4.78	12.1	43.0101	87.1		
29	45	13C5-PFNA	468.2 > 42...	7.64e3	9.35e3	0.253	0.816	4.69	10.2	41.1803	83.4		
30	46	13C8-PFOSA	506.1 > 77.7	3.07e3	1.32e4	0.253	0.233	4.75	2.92	38.0371	77.0		
31	47	13C8-PFOS	507.0 > 79.9	2.23e3	2.31e3	0.253	0.966	4.78	12.1	43.0101	87.1		
32	47	13C8-PFOS	507.0 > 79.9	2.23e3	2.31e3	0.253	0.966	4.78	12.1	43.0101	87.1		
33	-1												
34	18	PFDA	513 > 468.8	2.05e2	7.53e3	0.253	0.000	5.07	0.341	1.0351		29.0	YES
35	19	8:2 FTS	527 > 506.9		1.43e3	0.253							
36	21	L-MeFOSAA	570.1 > 419		2.58e3	0.253							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.58e3	0.253			0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-66.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:16:18 Pacific Daylight Time
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Name: 180713M2_66, Date: 14-Jul-2018, Time: 03:42:19, ID: 1801486-06 SA-SW201-20180626 0.25302, Description: SA-SW201-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	2.97e2	9.86e3	0.253	0.000	5.39	0.377	1.2825		14.2	NO
39	48	13C2-PFDA	515.1 > 46...	7.53e3	9.44e3	0.253	0.797	5.07	9.97	39.1166	79.2		
40	49	13C2-8:2 FTS	529.1 > 50...	1.43e3	8.17e3	0.253	0.175	5.04	2.19	44.2922	89.7		
41	50	d3-N-MeFOSAA	573.3 > 419	2.58e3	1.32e4	0.253	0.196	5.22	2.45	37.4489	75.8		
42	50	d3-N-MeFOSAA	573.3 > 419	2.58e3	1.32e4	0.253	0.196	5.22	2.45	37.4489	75.8		
43	52	13C2-PFUdA	565 > 519.8	9.86e3	1.32e4	0.253	0.748	5.39	9.35	40.8336	82.7		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		3.66e3	0.253							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.66e3	0.253			0.000				
47	26	PFDS	598.8 > 80		9.86e3	0.253							
48	27	PFDoA	612.9 > 56...		9.40e3	0.253							
49	29	PFTrDA	662.9 > 61...		9.40e3	0.253							
50	51	d5-N-EtFOSAA	589.3 > 419	3.66e3	1.32e4	0.253	0.278	5.37	3.47	49.0010	99.2		
51	51	d5-N-EtFOSAA	589.3 > 419	3.66e3	1.32e4	0.253	0.278	5.37	3.47	49.0010	99.2		
52	52	13C2-PFUdA	565 > 519.8	9.86e3	1.32e4	0.253	0.748	5.39	9.35	40.8336	82.7		
53	53	13C2-PFDoA	615.0 > 56...	9.40e3	9.44e3	0.253	0.996	5.67	12.4	38.9734	78.9		
54	53	13C2-PFDoA	615.0 > 56...	9.40e3	9.44e3	0.253	0.996	5.67	12.4	38.9734	78.9		
55	-1												
56	30	PFTeDA	712.9 > 66...		6.64e3	0.253							
57	73	TCDA	498.3>106.9			0.253							
58	60	13C4-PFBA	217. > 171.8	7.12e3	7.12e3	0.253	1.00	1.33	12.5	49.4032	100.0		
59	61	13C5-PFHxA	318 > 272.9	8.17e3	8.17e3	0.253	1.00	3.12	12.5	49.4032	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	1.94e3	1.94e3	0.253	1.00	3.89	12.5	49.4032	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	6.64e3	1.32e4	0.253	0.504	6.13	6.30	43.3351	87.7		
62	47	13C8-PFOS	507.0 > 79.9	2.23e3	2.31e3	0.253	0.966	4.78	12.1	43.0101	87.1		
63	63	13C8-PFOA	421.3 > 376	8.38e3	8.38e3	0.253	1.00	4.26	12.5	49.4032	100.0		
64	64	13C9-PFNA	472.2 > 42...	9.35e3	9.35e3	0.253	1.00	4.69	12.5	49.4032	100.0		
65	65	13C4-PFOS	503 > 79.9	2.31e3	2.31e3	0.253	1.00	4.78	12.5	49.4032	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	9.44e3	9.44e3	0.253	1.00	5.07	12.5	49.4032	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.32e4	1.32e4	0.253	1.00	5.39	12.5	49.4032	100.0		

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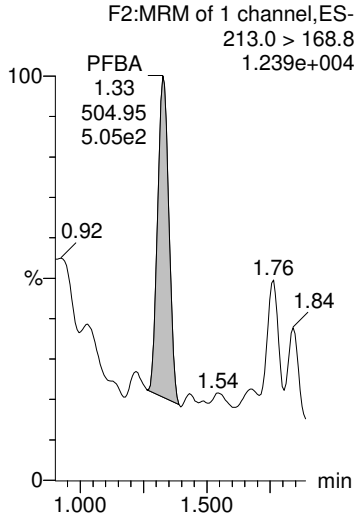
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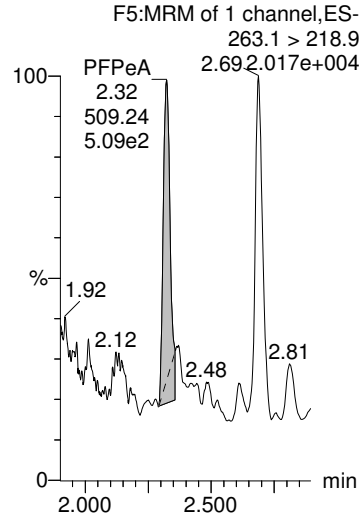
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Name: 180713M2_66, Date: 14-Jul-2018, Time: 03:42:19, ID: 1801486-06 SA-SW201-20180626 0.25302, Description: SA-SW201-20180626

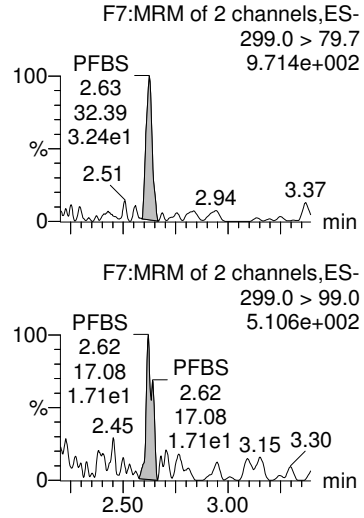
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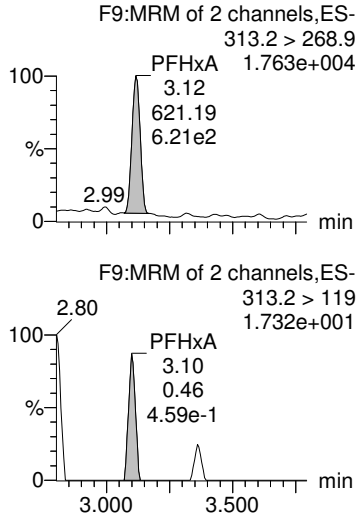
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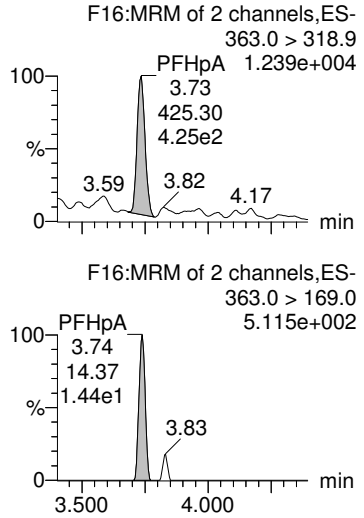
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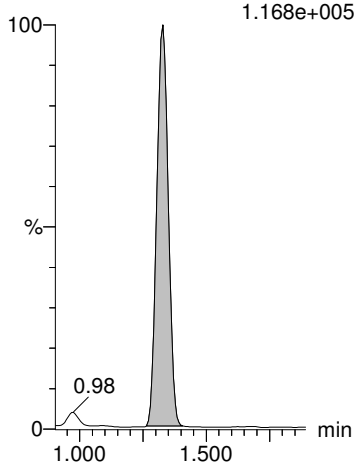
PFHxA



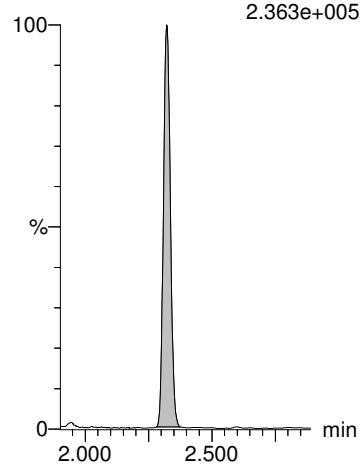
PFHpA



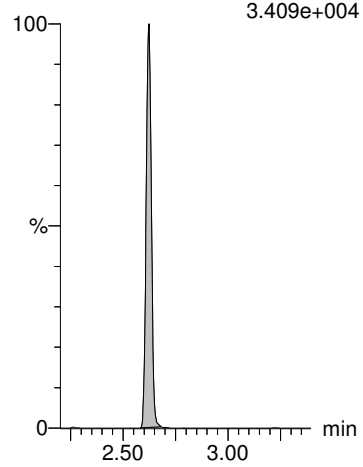
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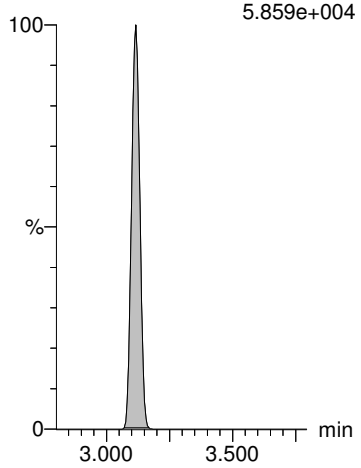
13C3-PFPeA



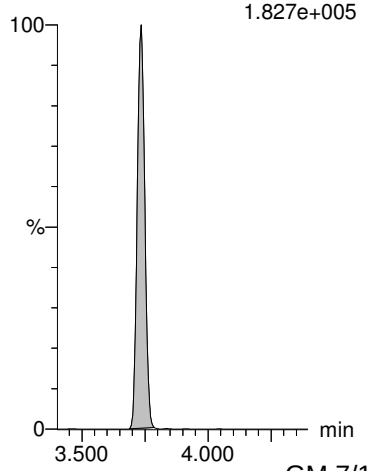
13C3-PFBS



13C2-PFHxA



13C4-PFHpA



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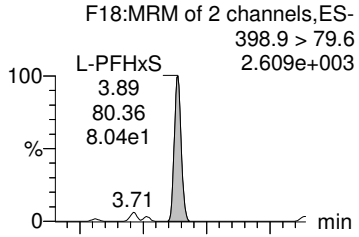
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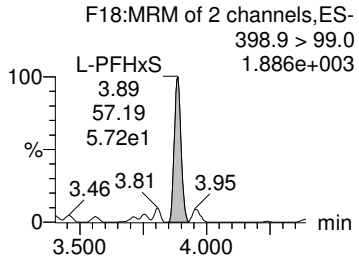
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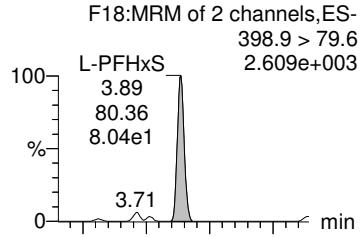
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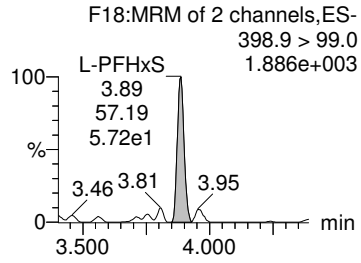
L-PFHxS



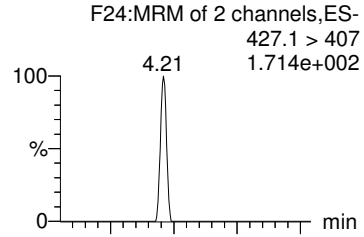


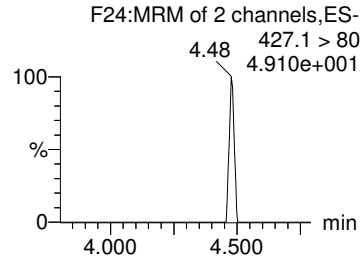
Total PFHxS



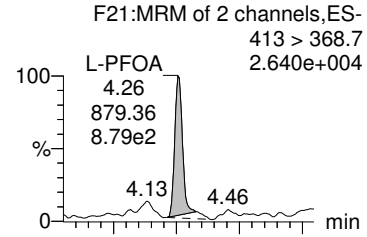


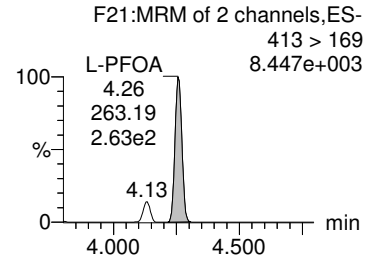
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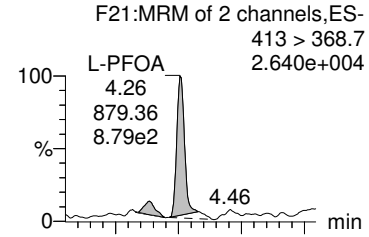


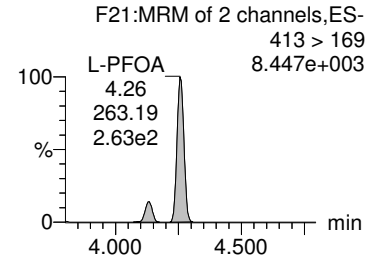
L-PFOA



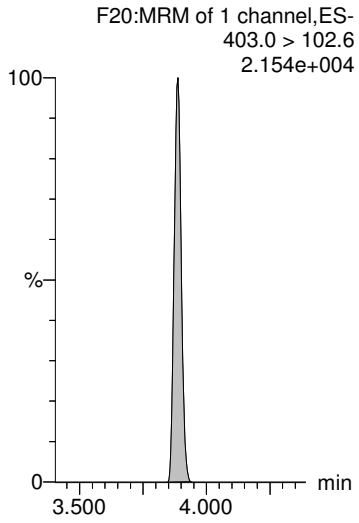


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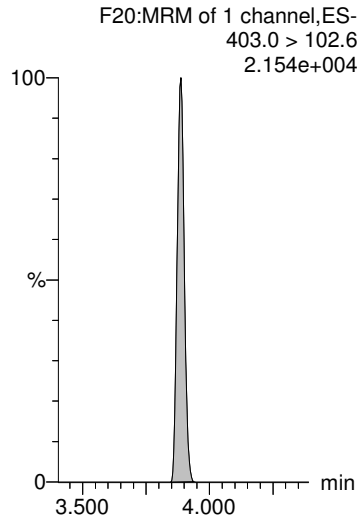




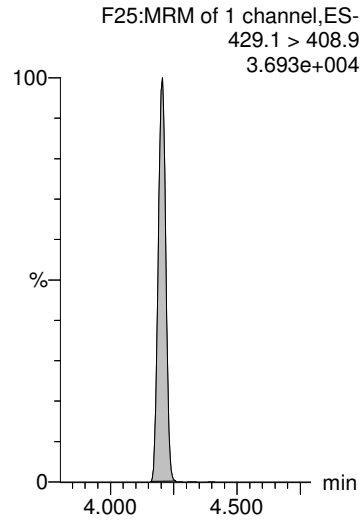
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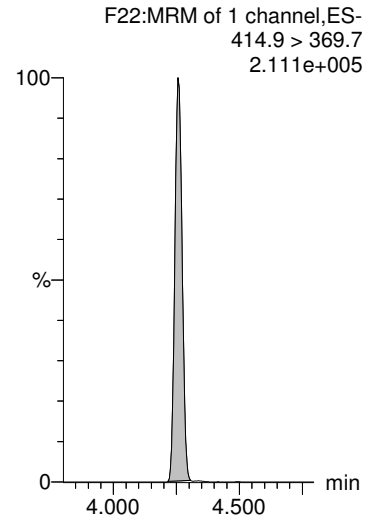
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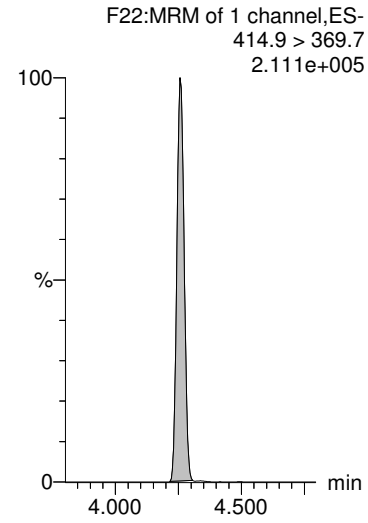
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13C2-PFOA



13C2-PFOA



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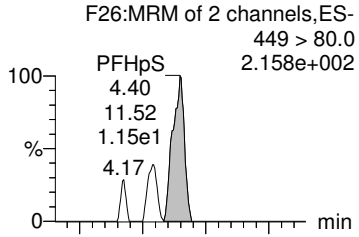
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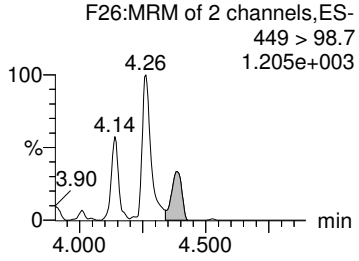
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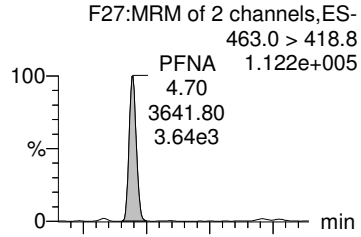
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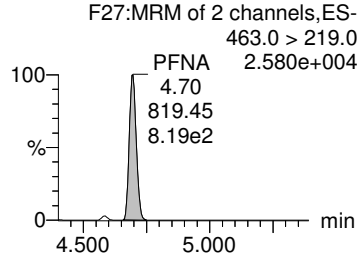
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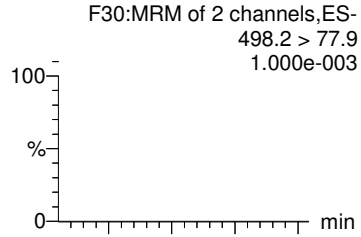


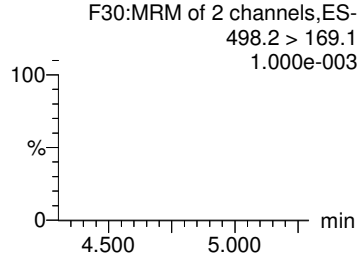
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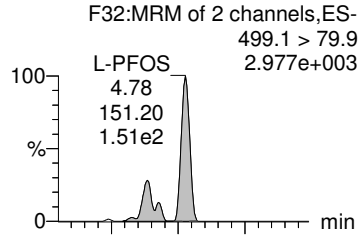


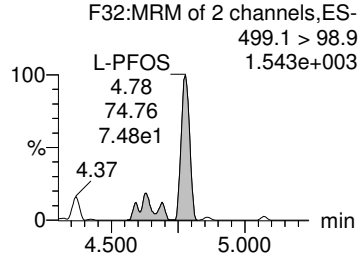
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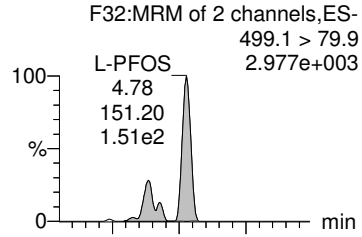


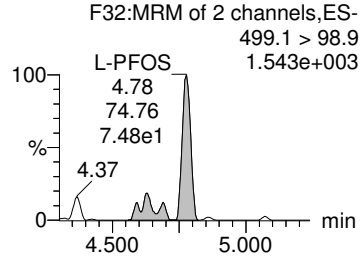
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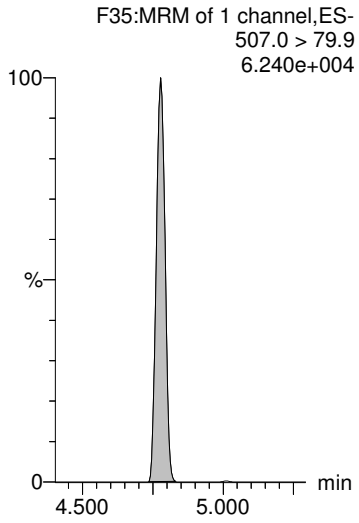


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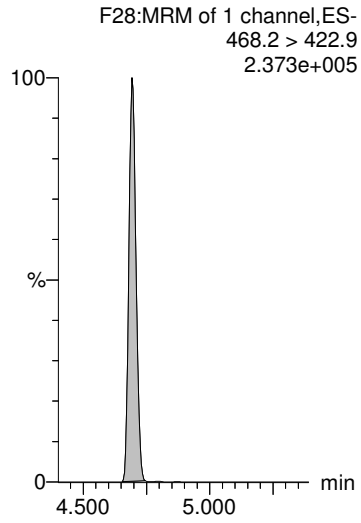




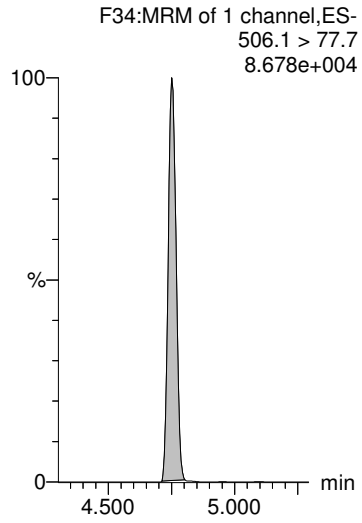
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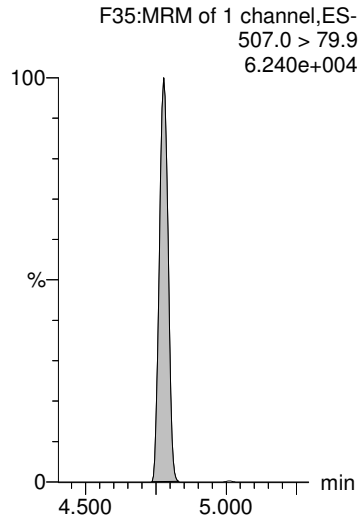
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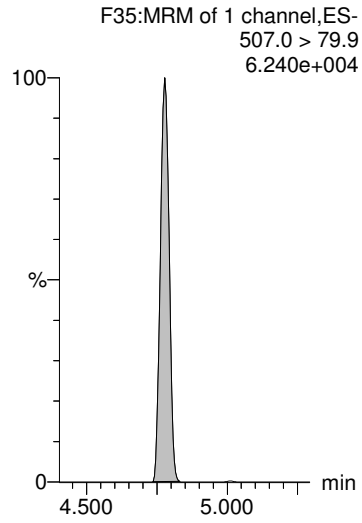
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13C8-PFOS



13C8-PFOS



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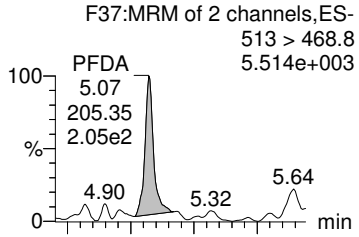
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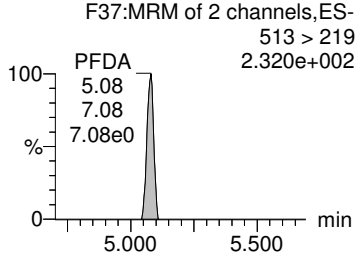
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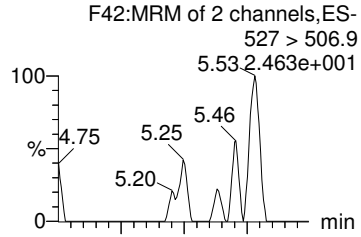
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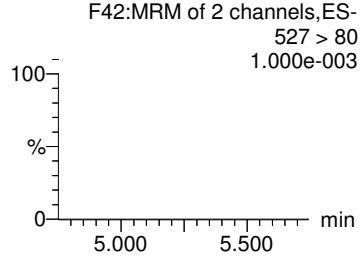
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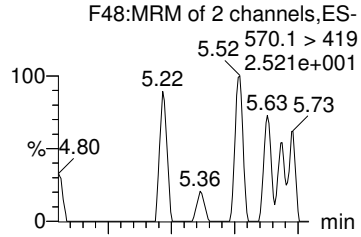


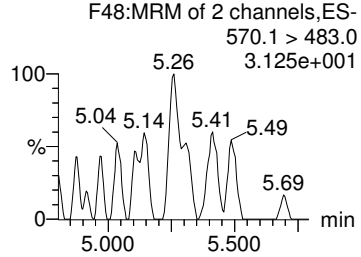
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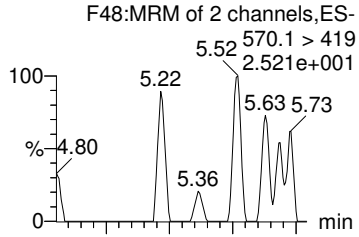


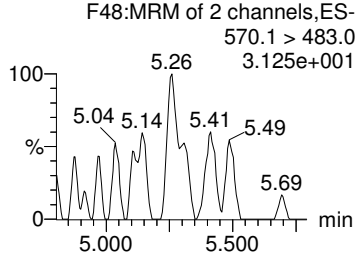
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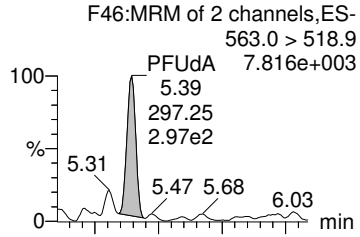


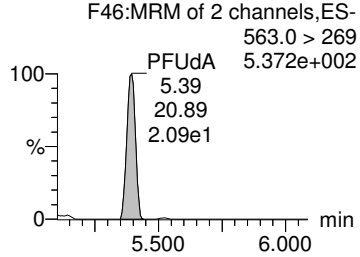
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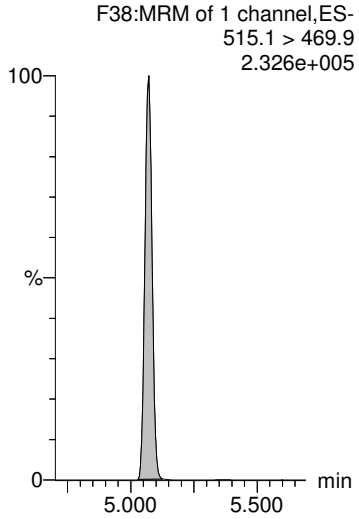


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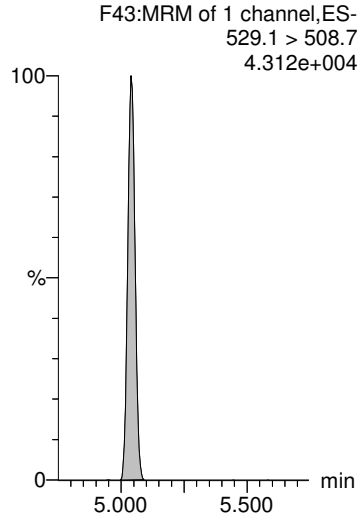




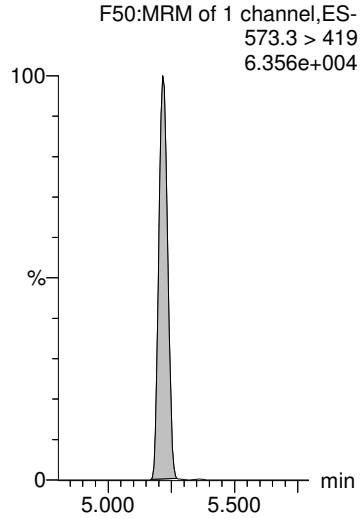
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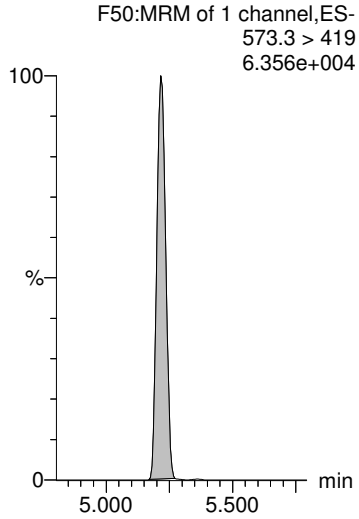
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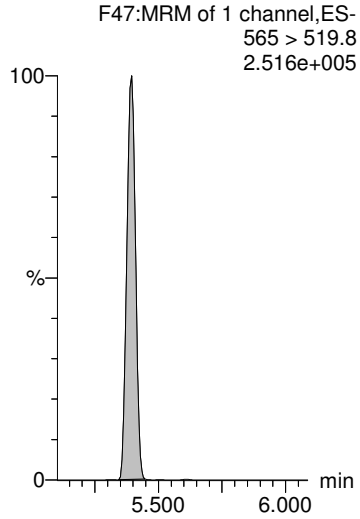
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d3-N-MeFOSAA



13C2-PFUdA



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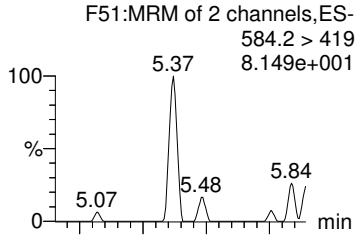
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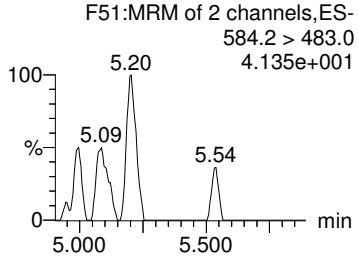
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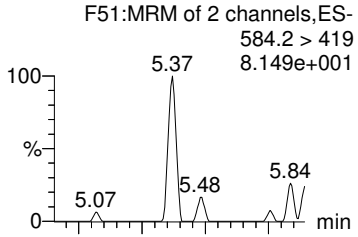
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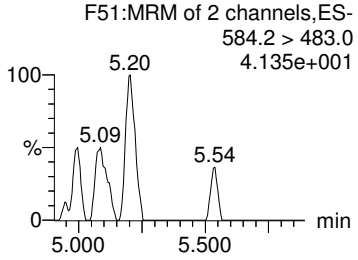
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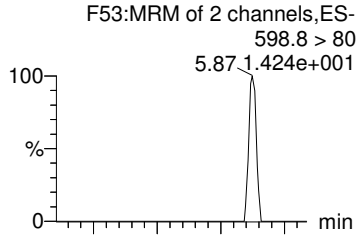


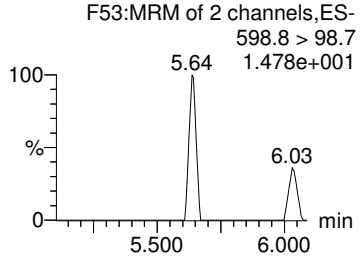
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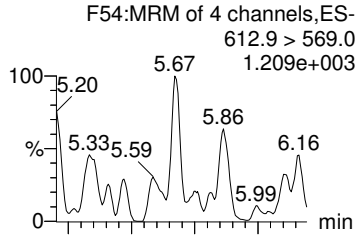


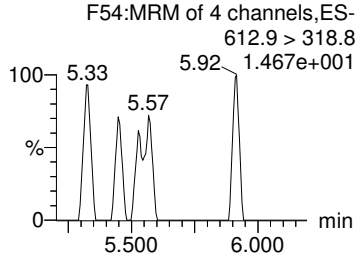
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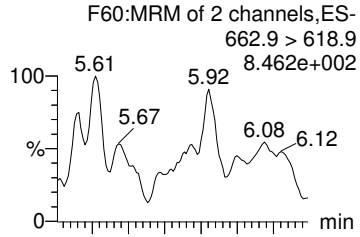


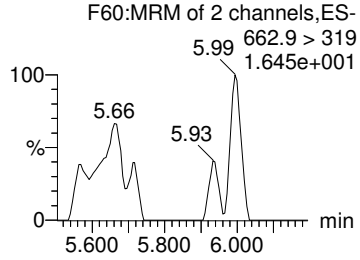
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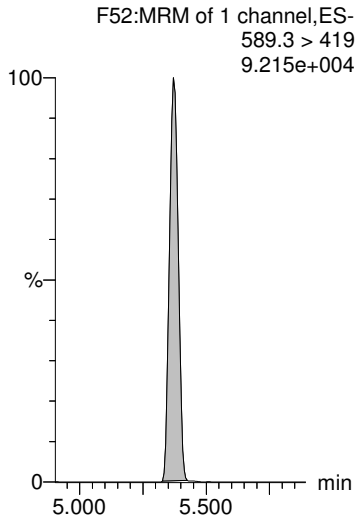


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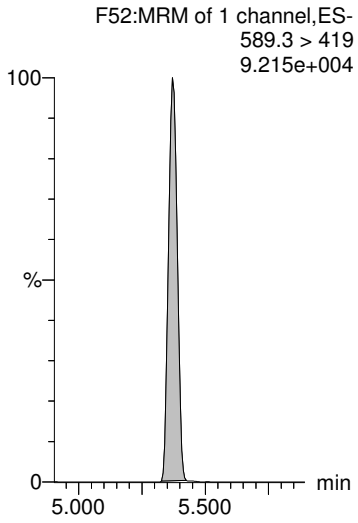




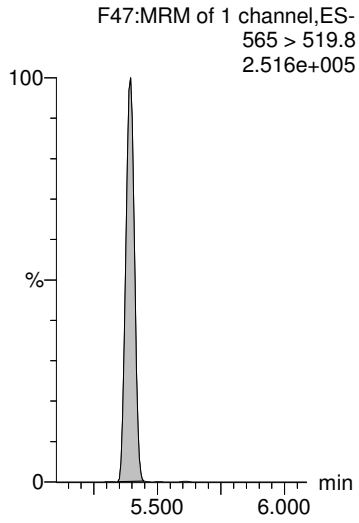
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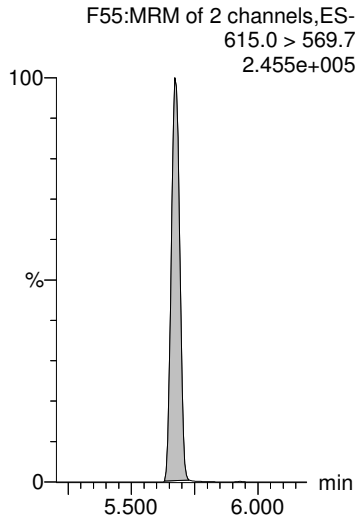
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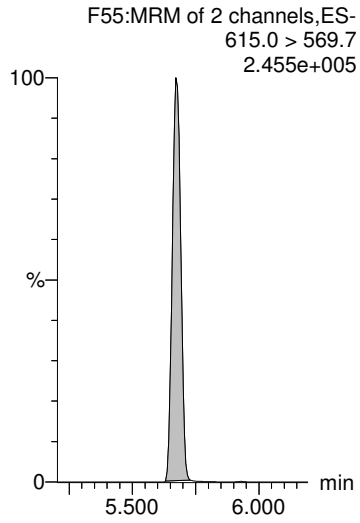
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13C2-PFDoA



13C2-PFDoA



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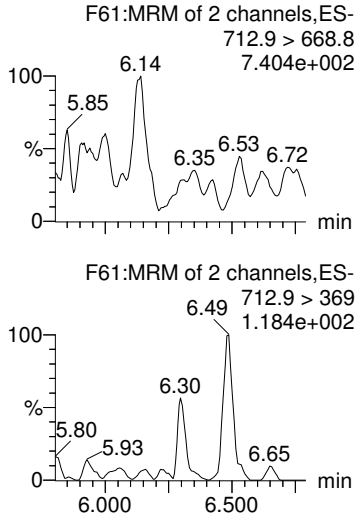
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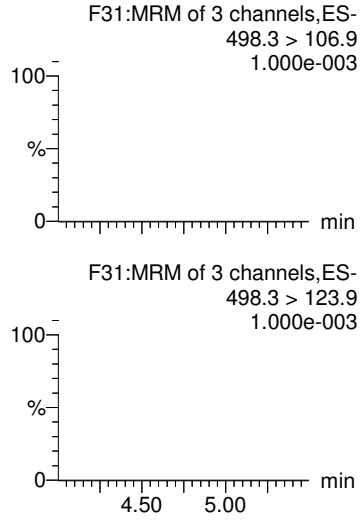
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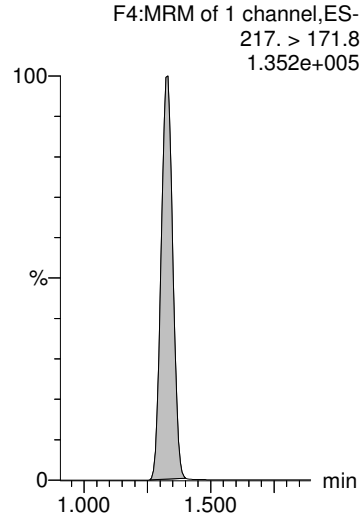
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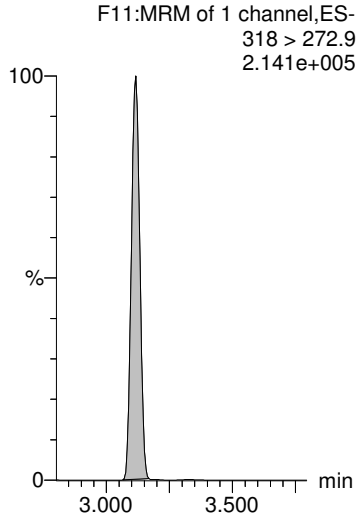
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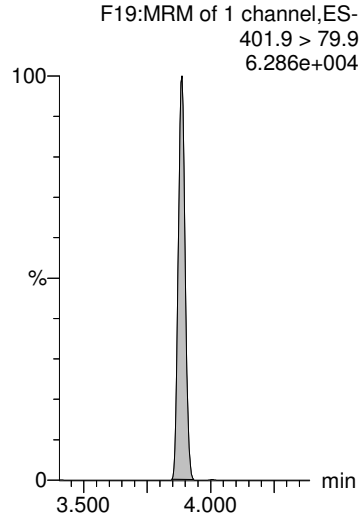
13C4-PFBA



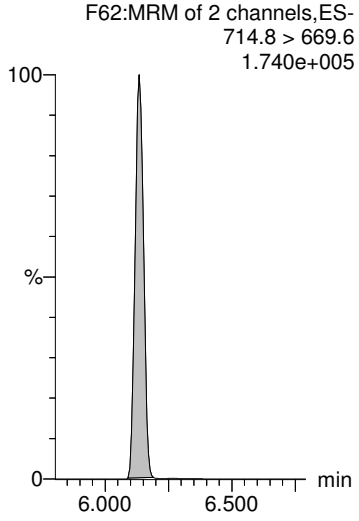
13C5-PFHxA



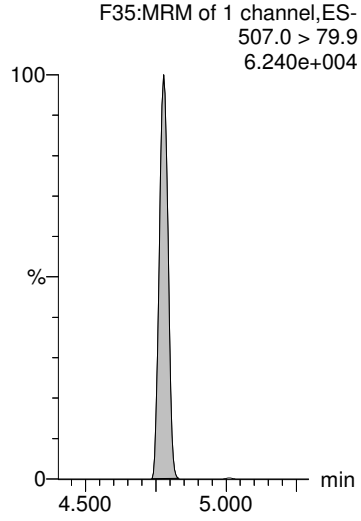
13C3-PFHxS



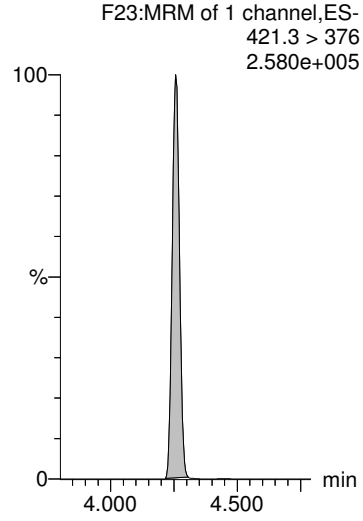
13C2-PFTeDA



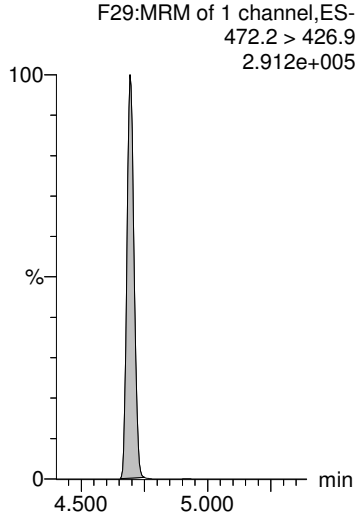
13C8-PFOS



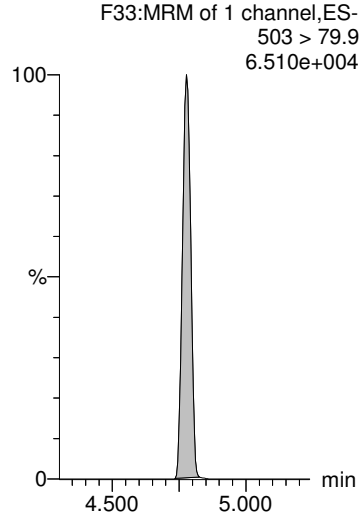
13C8-PFOA



13C9-PFNA



13C4-PFOS



GM 7/19/2018

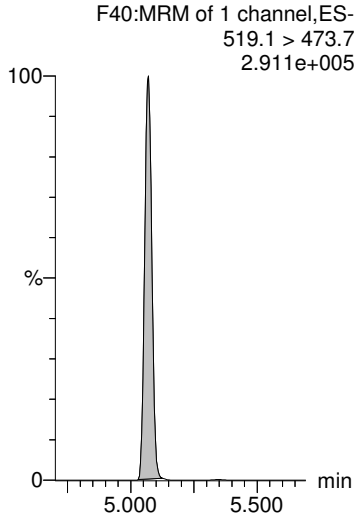
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MMM 7/20/2018

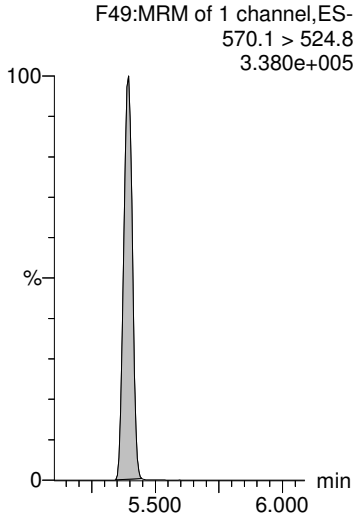
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Printed: Thursday, July 19, 2018 15:16:47 Pacific Daylight Time

Name: 180713M2_66, Date: 14-Jul-2018, Time: 03:42:19, ID: 1801486-06 SA-SW201-20180626 0.25302, Description: SA-SW201-20180626

13C6-PFDA



13C7-PFUdA



GM 7/19/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-58.qld MMM 7/20/2018

Last Altered: Wednesday, July 18, 2018 20:12:31 Pacific Daylight Time
Printed: Wednesday, July 18, 2018 20:13:45 Pacific Daylight Time

Name: 180713M2_58, Date: 14-Jul-2018, Time: 02:18:39, ID: B8G0006-MS1 Matrix Spike 0.24814, Description: Matrix Spike

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	6.74e3	7.70e3	0.248	0.000	1.33	10.9	38.1149			
2	2	PFPeA	263.1 > 21...	7.37e3	9.21e3	0.248	0.000	2.32	10.0	38.5450			
3	3	PFBS	299.0 > 79.7	1.66e3	1.18e3	0.248	0.000	2.62	17.6	35.7798		2.51	NO
4	5	PFHxA	313.2 > 26...	8.53e3	2.81e3	0.248	0.000	3.12	15.2	36.6025		175	YES
5	7	PFHpA	363.0 > 31...	7.00e3	7.45e3	0.248	0.000	3.73	11.7	41.3250		15.9	NO
6	36	13C3-PFBA	216.1 > 17...	7.70e3	8.95e3	0.248	0.860	1.33	10.8	47.3039	93.9		
7	37	13C3-PFPeA	266. > 221.8	9.21e3	9.63e3	0.248	0.957	2.32	12.0	48.7685	96.8		
8	38	13C3-PFBS	302. > 98.8	1.18e3	9.63e3	0.248	0.122	2.62	1.53	51.3392	101.9		
9	40	13C2-PFHxA	315 > 269.8	2.81e3	9.63e3	0.248	0.728	3.12	3.64	19.6764	97.6		
10	41	13C4-PFHpA	367.2 > 32...	7.45e3	9.63e3	0.248	0.774	3.73	9.67	48.0620	95.4		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	1.24e3	9.64e2	0.248	0.000	3.89	16.0	34.2789		1.39	NO
13	68	Total PFHxS	398.9 > 79.6	1.24e3	9.64e2	0.248			16.0	34.2789			
14	10	6:2 FTS	427.1 > 407	1.65e3	2.12e3	0.248	0.000	4.20	9.75	37.7630		2.98	NO
15	11	L-PFOA	413 > 368.7	7.64e3	8.86e3	0.248	0.000	4.26	10.8	41.8873		3.61	NO
16	69	Total PFOA	413 > 368.7	7.77e3	8.86e3	0.248			11.0	42.5557			
17	42	18O2-PFHxS	403.0 > 10...	9.64e2	2.56e3	0.248	0.377	3.89	4.72	46.4944	92.3		
18	42	18O2-PFHxS	403.0 > 10...	9.64e2	2.56e3	0.248	0.377	3.89	4.72	46.4944	92.3		
19	43	13C2-6:2 FTS	429.1 > 40...	2.12e3	1.11e4	0.248	0.191	4.20	2.39	45.3656	90.1		
20	44	13C2-PFOA	414.9 > 36...	8.86e3	1.11e4	0.248	0.801	4.26	10.0	42.6357	84.6		
21	44	13C2-PFOA	414.9 > 36...	8.86e3	1.11e4	0.248	0.801	4.26	10.0	42.6357	84.6		
22	-1												
23	13	PFHpS	449 > 80.0	1.87e3	2.95e3	0.248	0.000	4.37	7.92	39.8580		1.97	NO
24	14	PFNA	463.0 > 41...	1.23e4	8.91e3	0.248	0.000	4.70	17.2	60.0023		4.52	NO
25	15	PFOSA	498.2 > 77.9	2.58e3	3.98e3	0.248	0.000	4.75	8.12	34.0008		30.4	NO
26	16	L-PFOS	499.1 > 79.9	1.83e3	2.95e3	0.248	0.000	4.78	7.73	36.3783		1.81	YES
27	70	Total PFOS	499.1 > 79.9	1.83e3	2.95e3	0.248			7.73	36.3783			
28	47	13C8-PFOS	507.0 > 79.9	2.95e3	2.77e3	0.248	1.06	4.78	13.3	48.3377	96.0		
29	45	13C5-PFNA	468.2 > 42...	8.91e3	1.09e4	0.248	0.817	4.70	10.2	42.0251	83.4		
30	46	13C8-PFOSA	506.1 > 77.7	3.98e3	1.34e4	0.248	0.297	4.76	3.71	49.3803	98.0		
31	47	13C8-PFOS	507.0 > 79.9	2.95e3	2.77e3	0.248	1.06	4.78	13.3	48.3377	96.0		
32	47	13C8-PFOS	507.0 > 79.9	2.95e3	2.77e3	0.248	1.06	4.78	13.3	48.3377	96.0		
33	-1												
34	18	PFDA	513 > 468.8	8.63e3	9.91e3	0.248	0.000	5.07	10.9	34.0673		5.32	NO
35	19	8:2 FTS	527 > 506.9	2.01e3	1.84e3	0.248	0.000	5.04	13.7	36.7809		2.28	NO
36	21	L-MeFOSAA	570.1 > 419	3.51e3	3.22e3	0.248	0.000	5.22	13.6	51.3427		13.1	NO
37	71	Total N-MeFOSAA	570.1 > 419	3.51e3	3.22e3	0.248			13.6	51.3427			

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-58.qld

MMM 7/20/2018

Last Altered: Wednesday, July 18, 2018 20:12:31 Pacific Daylight Time
Printed: Wednesday, July 18, 2018 20:13:45 Pacific Daylight Time

Name: 180713M2_58, Date: 14-Jul-2018, Time: 02:18:39, ID: B8G0006-MS1 Matrix Spike 0.24814, Description: Matrix Spike

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	8.08e3	1.07e4	0.248	0.000	5.39	9.47	35.6505		10.6	NO
39	48	13C2-PFDA	515.1 > 46...	9.91e3	1.25e4	0.248	0.796	5.07	9.95	39.8320	79.1		
40	49	13C2-8:2 FTS	529.1 > 50...	1.84e3	9.63e3	0.248	0.191	5.04	2.38	49.2351	97.7		
41	50	d3-N-MeFOSAA	573.3 > 419	3.22e3	1.34e4	0.248	0.241	5.22	3.01	46.8719	93.0		
42	50	d3-N-MeFOSAA	573.3 > 419	3.22e3	1.34e4	0.248	0.241	5.22	3.01	46.8719	93.0		
43	52	13C2-PFUdA	565 > 519.8	1.07e4	1.34e4	0.248	0.797	5.39	9.96	44.3333	88.0		
44	-1												
45	23	L-EtFOSAA	584.2 > 419	2.30e3	4.24e3	0.248	0.000	5.38	6.79	29.9591		24.9	YES
46	72	Total N-EtFOSAA	584.2 > 419	2.30e3	4.24e3	0.248			6.79	29.9591			
47	26	PFDS	598.8 > 80	1.91e3	1.07e4	0.248	0.000	5.44	2.24	46.2723		2.21	NO
48	27	PFDoA	612.9 > 56...	1.13e4	1.31e4	0.248	0.000	5.68	10.8	31.5405		8.36	NO
49	29	PFTrDA	662.9 > 61...	1.11e4	1.31e4	0.248	0.000	5.92	10.6	32.8945		18.8	NO
50	51	d5-N-EtFOSAA	589.3 > 419	4.24e3	1.34e4	0.248	0.317	5.38	3.96	57.0201	113.2		
51	51	d5-N-EtFOSAA	589.3 > 419	4.24e3	1.34e4	0.248	0.317	5.38	3.96	57.0201	113.2		
52	52	13C2-PFUdA	565 > 519.8	1.07e4	1.34e4	0.248	0.797	5.39	9.96	44.3333	88.0		
53	53	13C2-PFDoA	615.0 > 56...	1.31e4	1.25e4	0.248	1.05	5.68	13.1	41.9779	83.3		
54	53	13C2-PFDoA	615.0 > 56...	1.31e4	1.25e4	0.248	1.05	5.68	13.1	41.9779	83.3		
55	-1												
56	30	PFTeDA	712.9 > 66...	1.00e4	8.06e3	0.248	0.000	6.14	15.6	35.8486		12.1	NO
57	73	TCDA	498.3>106.9			0.248							
58	60	13C4-PFBA	217. > 171.8	8.95e3	8.95e3	0.248	1.00	1.32	12.5	50.3748	100.0		
59	61	13C5-PFHxA	318 > 272.9	9.63e3	9.63e3	0.248	1.00	3.12	12.5	50.3748	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	2.56e3	2.56e3	0.248	1.00	3.89	12.5	50.3748	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	8.06e3	1.34e4	0.248	0.602	6.14	7.53	52.8233	104.9		
62	47	13C8-PFOS	507.0 > 79.9	2.95e3	2.77e3	0.248	1.06	4.78	13.3	48.3377	96.0		
63	63	13C8-PFOA	421.3 > 376	1.11e4	1.11e4	0.248	1.00	4.26	12.5	50.3748	100.0		
64	64	13C9-PFNA	472.2 > 42...	1.09e4	1.09e4	0.248	1.00	4.69	12.5	50.3748	100.0		
65	65	13C4-PFOS	503 > 79.9	2.77e3	2.77e3	0.248	1.00	4.78	12.5	50.3748	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	1.25e4	1.25e4	0.248	1.00	5.07	12.5	50.3748	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.34e4	1.34e4	0.248	1.00	5.39	12.5	50.3748	100.0		

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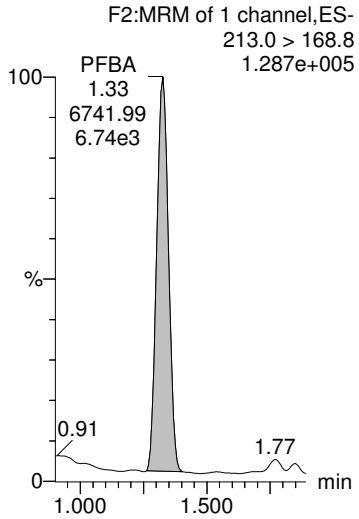
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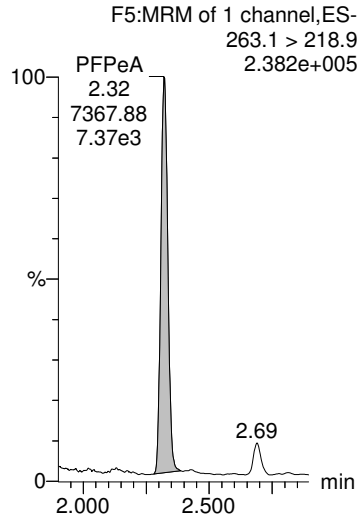
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Name: 180713M2_58, Date: 14-Jul-2018, Time: 02:18:39, ID: B8G0006-MS1 Matrix Spike 0.24814, Description: Matrix Spike

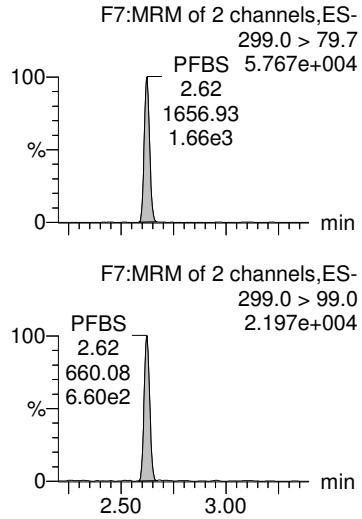
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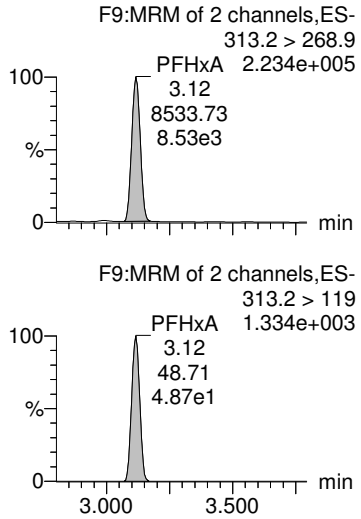
PFPeA



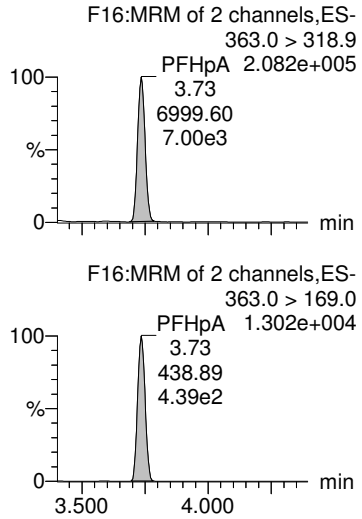
PFBS



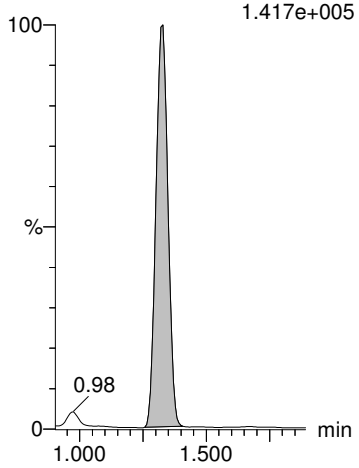
PFHxA



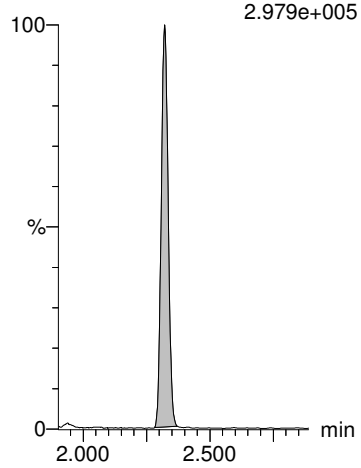
PFHpA



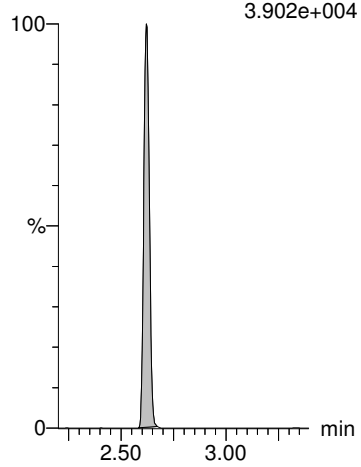
13C3-PFBA



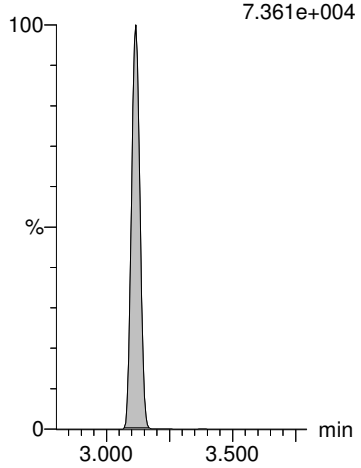
13C3-PFPeA



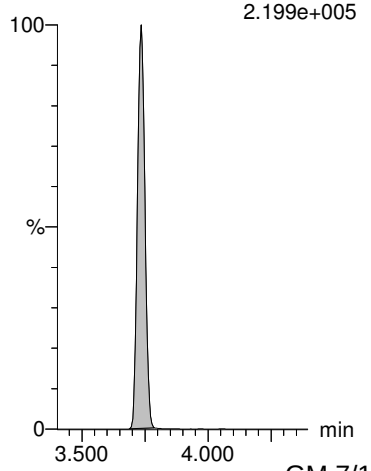
13C3-PFBS



13C2-PFHxA



13C4-PFHpA



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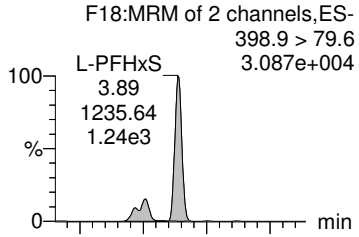
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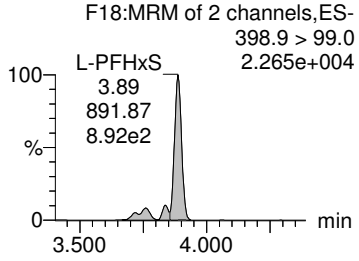
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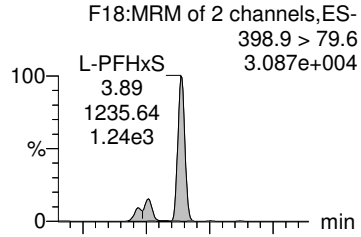
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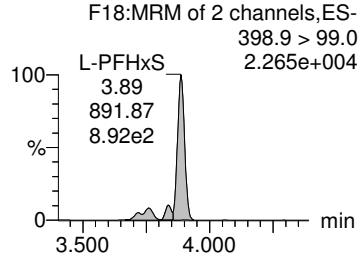
L-PFHxS



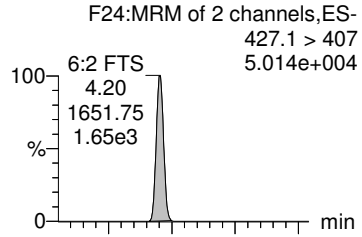


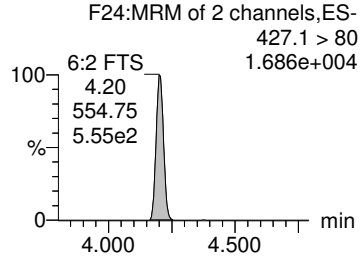
Total PFHxS



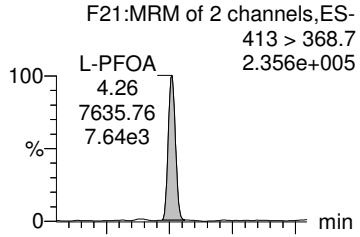


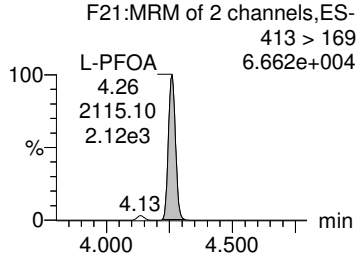
6:2 FTS



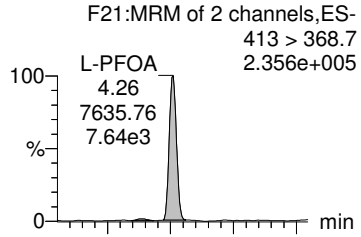


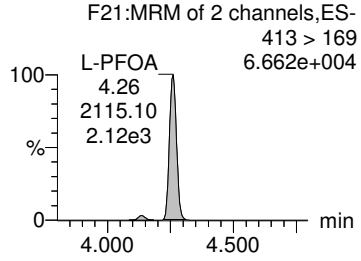
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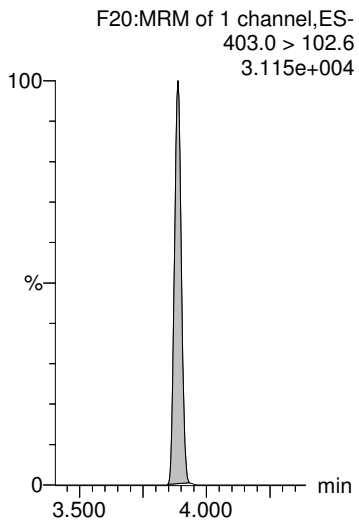


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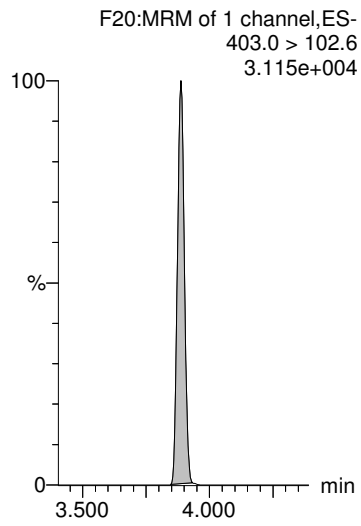




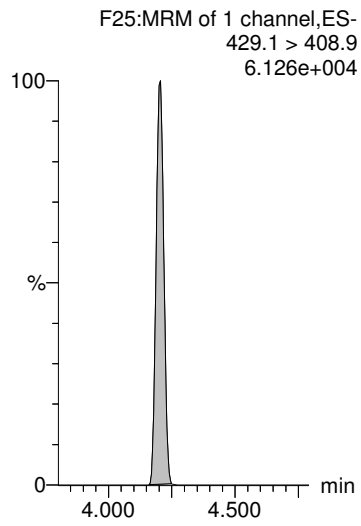
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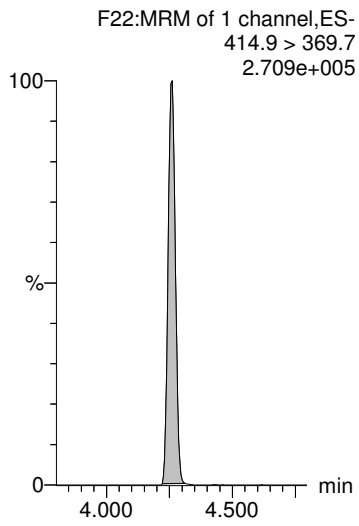
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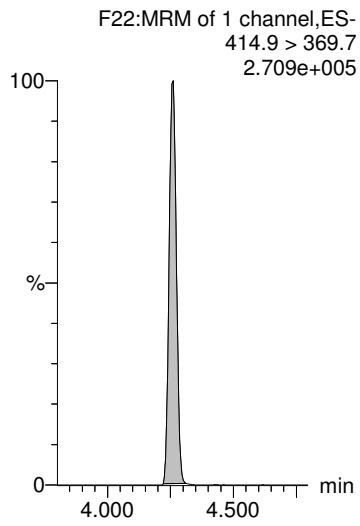
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



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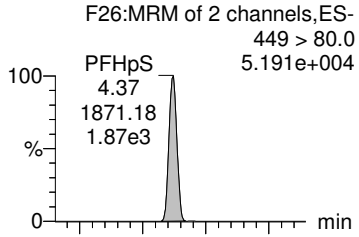
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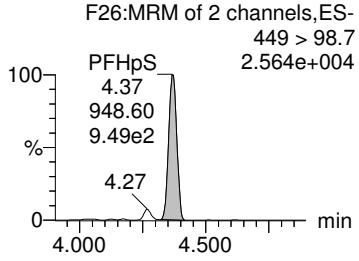
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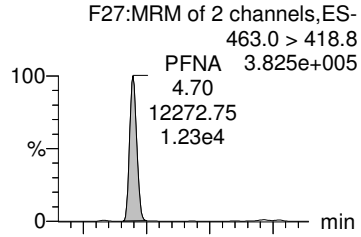
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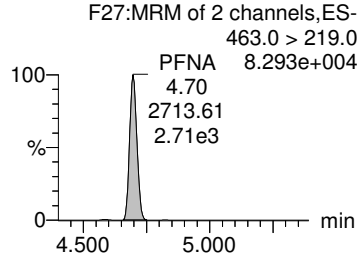
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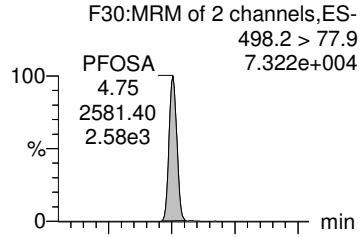


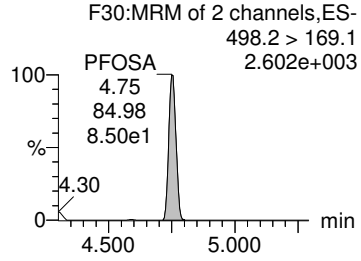
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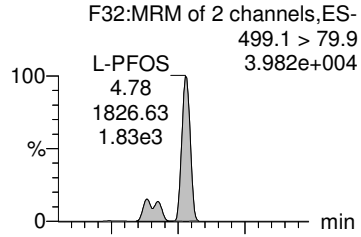


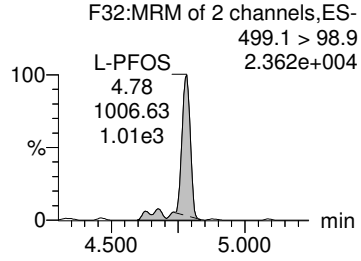
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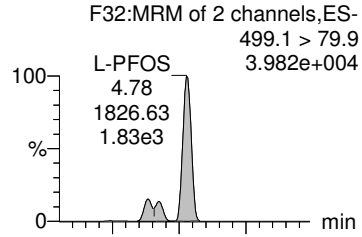


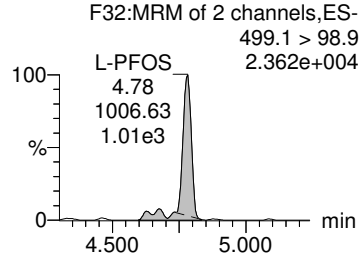
L-PFOS



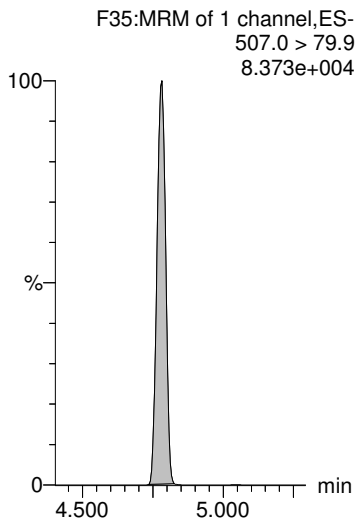


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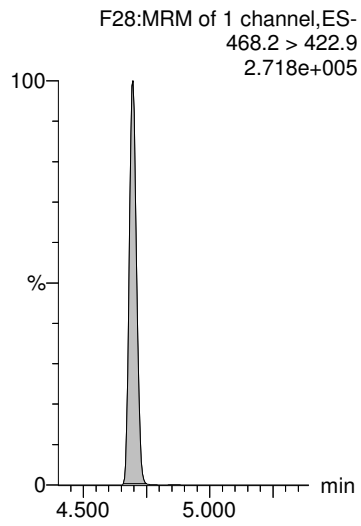




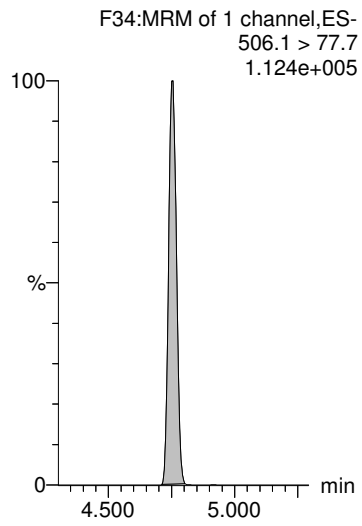
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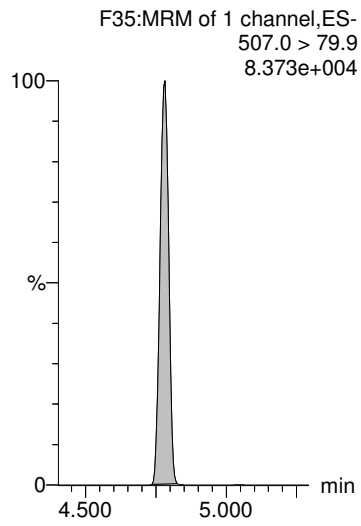
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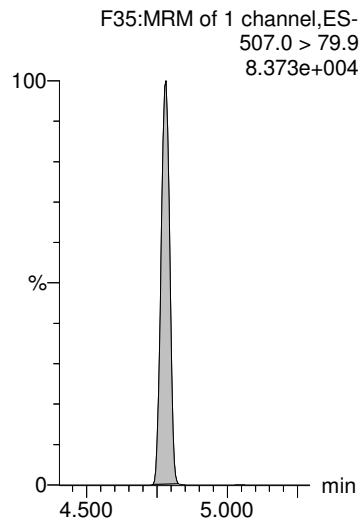
13C8-PFOSA



13C8-PFOS



13C8-PFOS



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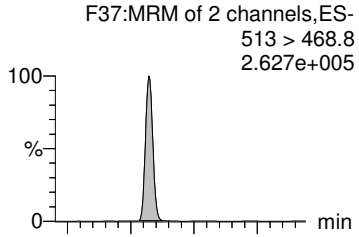
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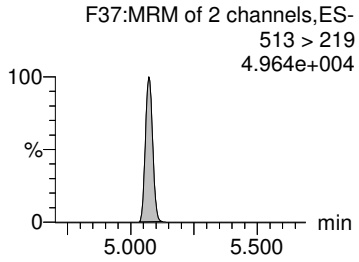
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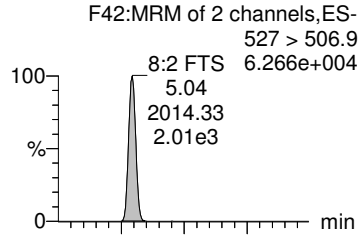
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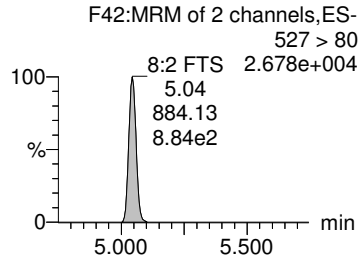
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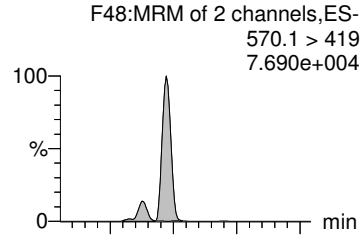


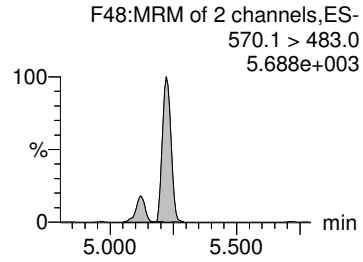
8:2 FTS



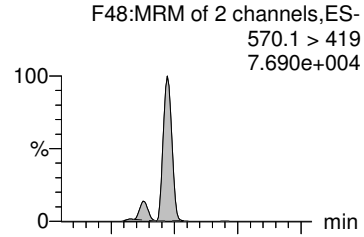


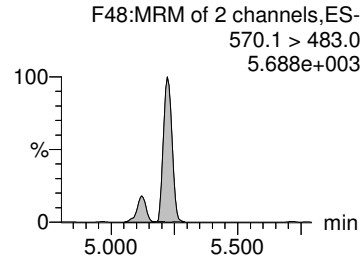
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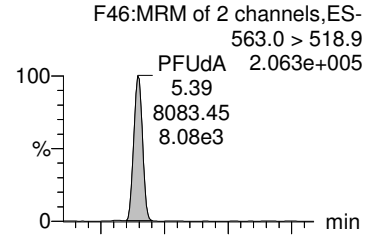


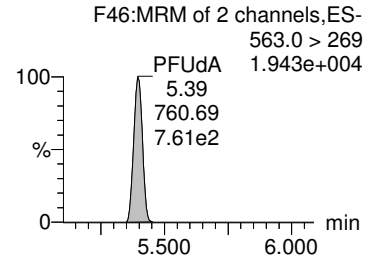
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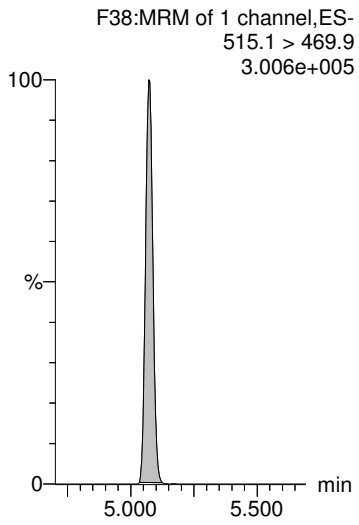


PFUdA

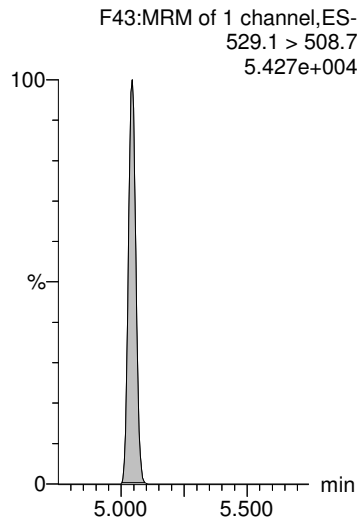




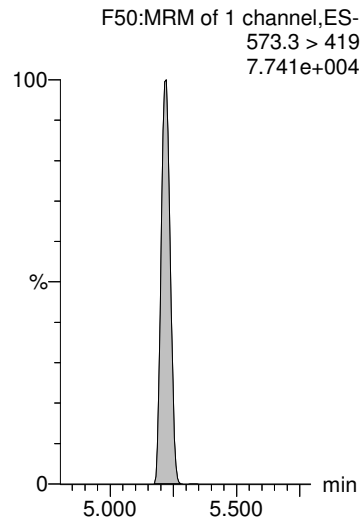
13C2-PFDA



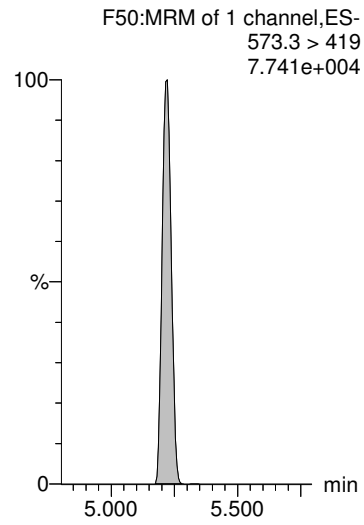
13C2-8:2 FTS



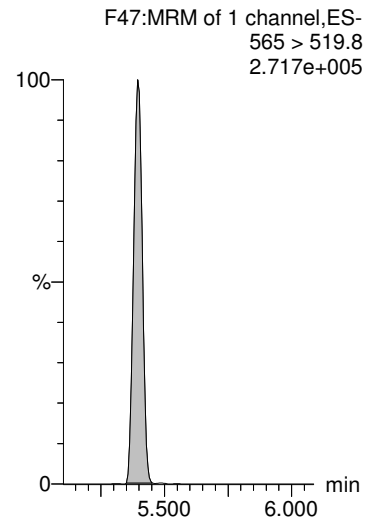
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d3-N-MeFOSAA



13C2-PFUdA



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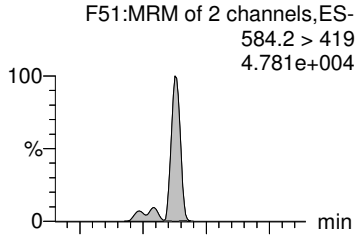
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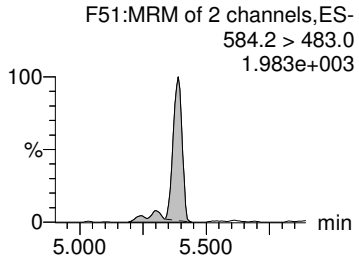
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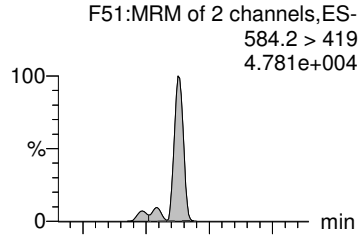
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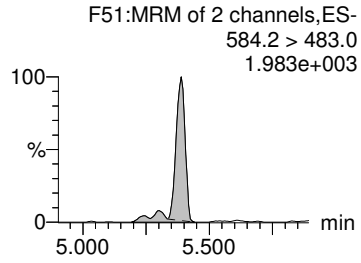
L-EtFOSAA



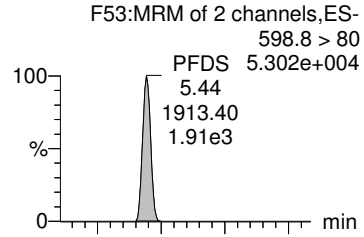


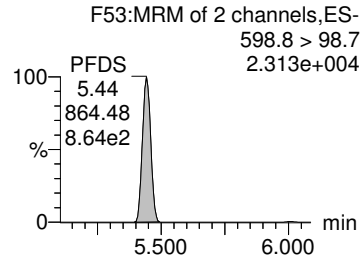
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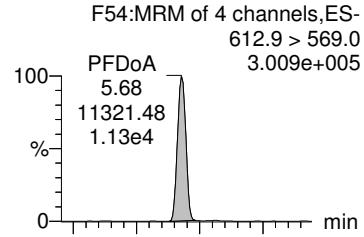


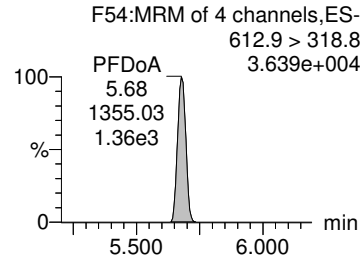
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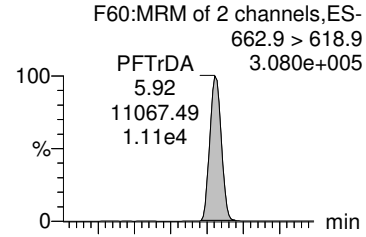


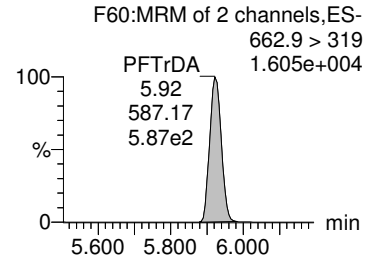
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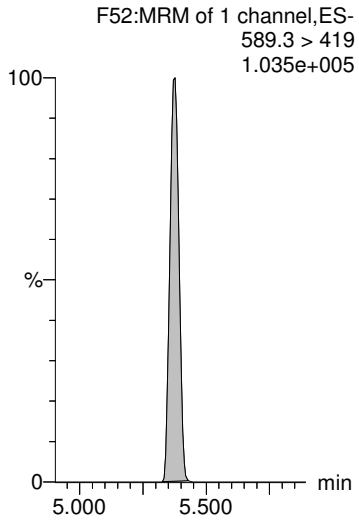


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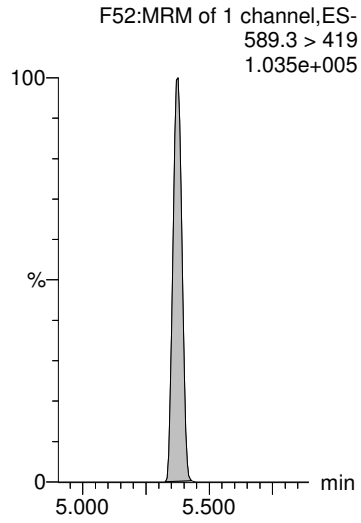




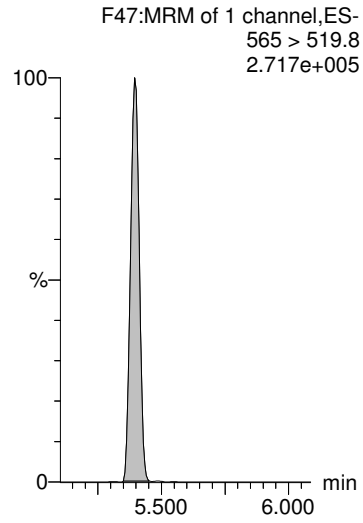
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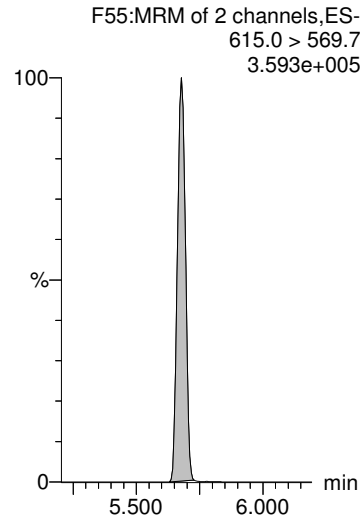
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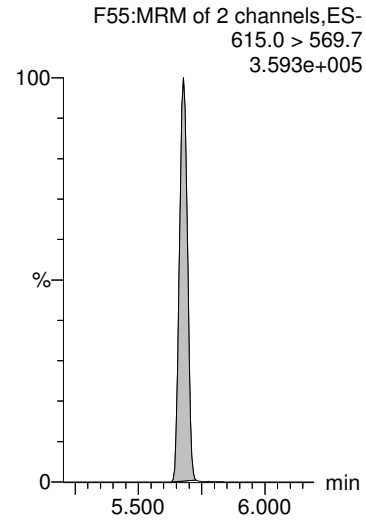
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13C2-PFDoA



13C2-PFDoA



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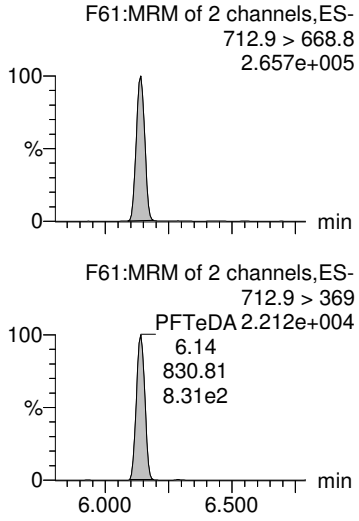
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MMM 7/20/2018

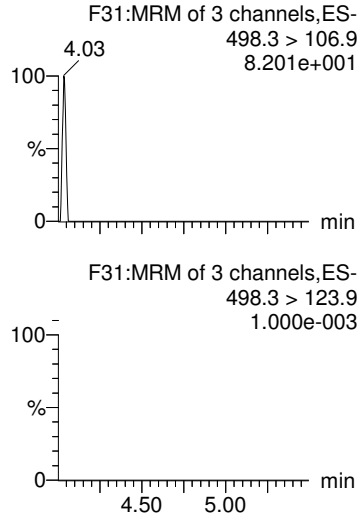
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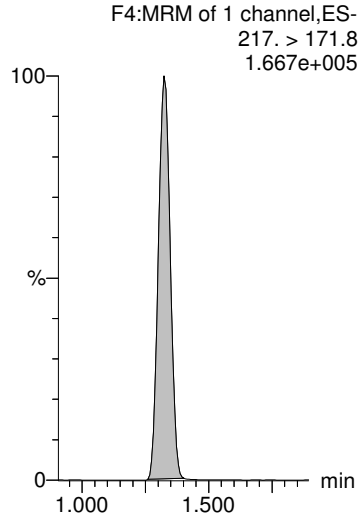
PFTeDA



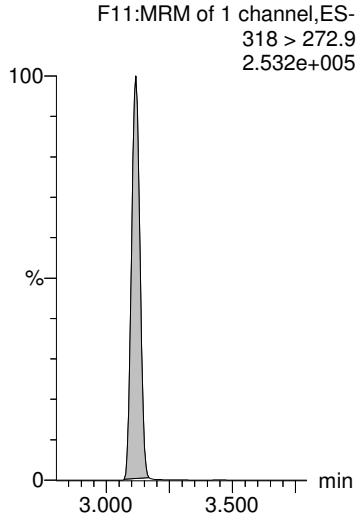
TCDA



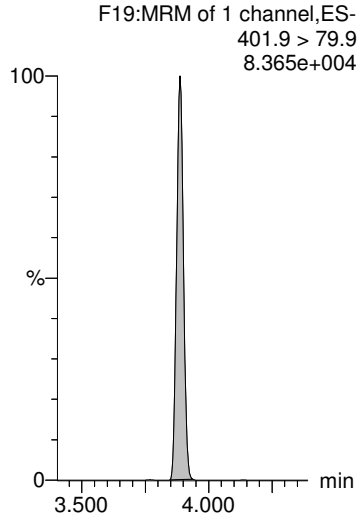
13C4-PFBA



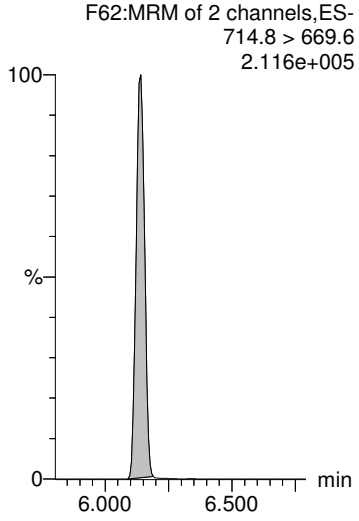
13C5-PFHxA



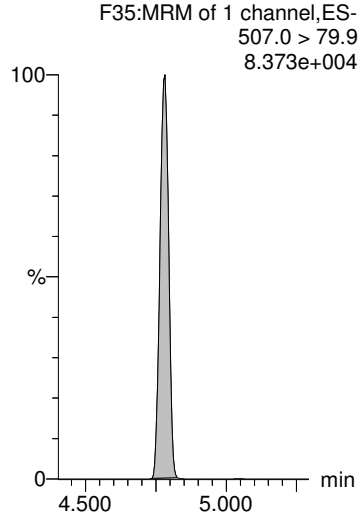
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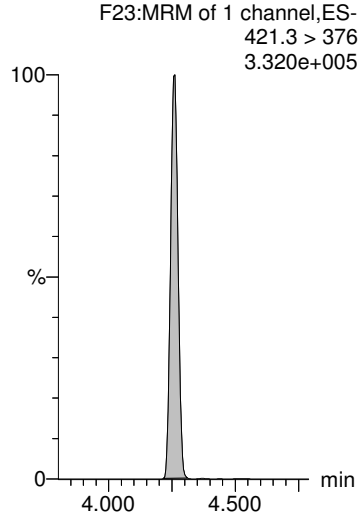
13C2-PFTeDA



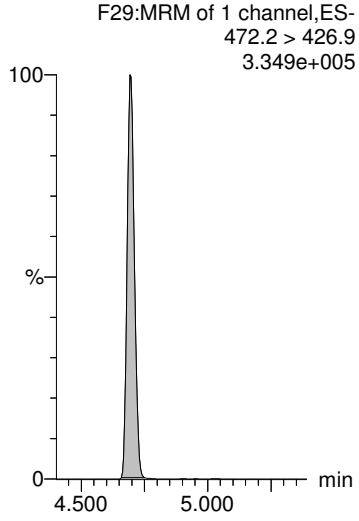
13C8-PFOS



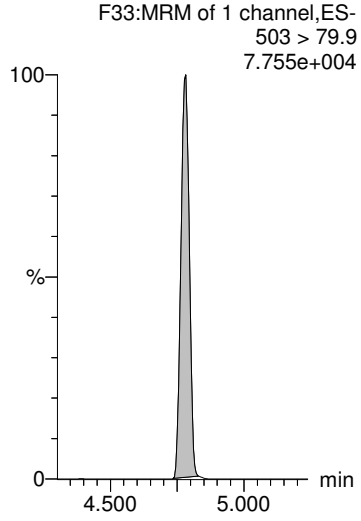
13C8-PFOA



13C9-PFNA



13C4-PFOS



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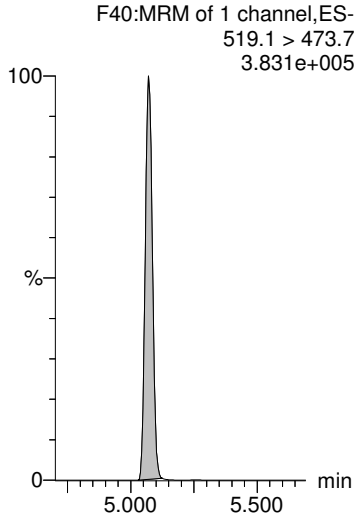
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MMM 7/20/2018

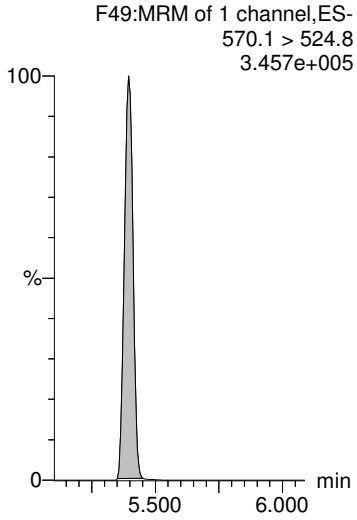
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Name: 180713M2_58, Date: 14-Jul-2018, Time: 02:18:39, ID: B8G0006-MS1 Matrix Spike 0.24814, Description: Matrix Spike

13C6-PFDA



13C7-PFUdA



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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-59.qld

MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 14:23:11 Pacific Daylight Time
Printed: Thursday, July 19, 2018 14:24:11 Pacific Daylight Time

Name: 180713M2_59, Date: 14-Jul-2018, Time: 02:29:04, ID: B8G0006-MSD1 Matrix Spike Dup 0.24776, Description: Matrix Spike Dup

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	6.78e3	7.62e3	0.248	0.000	1.33	11.1	38.7576			
2	2	PFPeA	263.1 > 21...	7.11e3	9.11e3	0.248	0.000	2.32	9.75	37.6636			
3	3	PFBS	299.0 > 79.7	1.68e3	1.17e3	0.248	0.000	2.62	17.9	36.4614		2.81	NO
4	5	PFHxA	313.2 > 26...	9.13e3	2.79e3	0.248	0.000	3.12	16.4	39.4433		232	NO
5	7	PFHpA	363.0 > 31...	6.73e3	8.05e3	0.248	0.000	3.73	10.5	36.8284		14.6	NO
6	36	13C3-PFBA	216.1 > 17...	7.62e3	8.96e3	0.248	0.851	1.32	10.6	46.8744	92.9		
7	37	13C3-PFPeA	266. > 221.8	9.11e3	9.95e3	0.248	0.916	2.32	11.5	46.7625	92.7		
8	38	13C3-PFBS	302. > 98.8	1.17e3	9.95e3	0.248	0.118	2.62	1.47	49.5007	98.1		
9	40	13C2-PFHxA	315 > 269.8	2.79e3	9.95e3	0.248	0.702	3.12	3.51	18.9804	94.1		
10	41	13C4-PFHpA	367.2 > 32...	8.05e3	9.95e3	0.248	0.809	3.73	10.1	50.3455	99.8		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	1.28e3	9.73e2	0.248	0.000	3.89	16.5	35.2969		1.72	NO
13	68	Total PFHxS	398.9 > 79.6	1.28e3	9.73e2	0.248			16.5	35.2969			
14	10	6:2 FTS	427.1 > 407	1.47e3	2.16e3	0.248	0.000	4.20	8.52	32.9007		2.86	NO
15	11	L-PFOA	413 > 368.7	7.79e3	9.69e3	0.248	0.000	4.26	10.1	39.1507		3.88	NO
16	69	Total PFOA	413 > 368.7	7.88e3	9.69e3	0.248			10.2	39.5214			
17	42	18O2-PFHxS	403.0 > 10...	9.73e2	2.62e3	0.248	0.371	3.89	4.63	45.7547	90.7		
18	42	18O2-PFHxS	403.0 > 10...	9.73e2	2.62e3	0.248	0.371	3.89	4.63	45.7547	90.7		
19	43	13C2-6:2 FTS	429.1 > 40...	2.16e3	1.12e4	0.248	0.193	4.20	2.41	45.8514	90.9		
20	44	13C2-PFOA	414.9 > 36...	9.69e3	1.12e4	0.248	0.867	4.26	10.8	46.2438	91.7		
21	44	13C2-PFOA	414.9 > 36...	9.69e3	1.12e4	0.248	0.867	4.26	10.8	46.2438	91.7		
22	-1												
23	13	PFHpS	449 > 80.0	1.76e3	2.65e3	0.248	0.000	4.37	8.28	41.7502		1.92	NO
24	14	PFNA	463.0 > 41...	1.12e4	9.39e3	0.248	0.000	4.70	14.9	52.1497		4.07	NO
25	15	PFOSA	498.2 > 77.9	2.80e3	4.02e3	0.248	0.000	4.75	8.70	36.5517		40.7	NO
26	16	L-PFOS	499.1 > 79.9	1.88e3	2.65e3	0.248	0.000	4.78	8.86	41.8579		1.75	YES
27	70	Total PFOS	499.1 > 79.9	1.88e3	2.65e3	0.248			8.86	41.8579			
28	47	13C8-PFOS	507.0 > 79.9	2.65e3	2.66e3	0.248	0.997	4.78	12.5	45.3551	89.9		
29	45	13C5-PFNA	468.2 > 42...	9.39e3	1.18e4	0.248	0.795	4.70	9.94	40.9645	81.2		
30	46	13C8-PFOSA	506.1 > 77.7	4.02e3	1.39e4	0.248	0.289	4.76	3.61	48.0846	95.3		
31	47	13C8-PFOS	507.0 > 79.9	2.65e3	2.66e3	0.248	0.997	4.78	12.5	45.3551	89.9		
32	47	13C8-PFOS	507.0 > 79.9	2.65e3	2.66e3	0.248	0.997	4.78	12.5	45.3551	89.9		
33	-1												
34	18	PFDA	513 > 468.8	8.42e3	9.50e3	0.248	0.000	5.07	11.1	34.7553		6.24	NO
35	19	8:2 FTS	527 > 506.9	1.55e3	1.74e3	0.248	0.000	5.04	11.2	29.9256		2.51	NO
36	21	L-MeFOSAA	570.1 > 419	2.81e3	3.65e3	0.248	0.000	5.22	9.61	36.3495		21.6	NO
37	71	Total N-MeFOSAA	570.1 > 419	2.81e3	3.65e3	0.248			9.61	36.3495			

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-59.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 14:23:11 Pacific Daylight Time
Printed: Thursday, July 19, 2018 14:24:11 Pacific Daylight Time

Name: 180713M2_59, Date: 14-Jul-2018, Time: 02:29:04, ID: B8G0006-MSD1 Matrix Spike Dup 0.24776, Description: Matrix Spike Dup

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	8.03e3	1.09e4	0.248	0.000	5.39	9.23	34.8082		11.8	NO
39	48	13C2-PFDA	515.1 > 46...	9.50e3	1.19e4	0.248	0.799	5.07	9.99	40.0483	79.4		
40	49	13C2-8:2 FTS	529.1 > 50...	1.74e3	9.95e3	0.248	0.175	5.04	2.18	45.1579	89.5		
41	50	d3-N-MeFOSAA	573.3 > 419	3.65e3	1.39e4	0.248	0.262	5.22	3.28	51.1334	101.4		
42	50	d3-N-MeFOSAA	573.3 > 419	3.65e3	1.39e4	0.248	0.262	5.22	3.28	51.1334	101.4		
43	52	13C2-PFUdA	565 > 519.8	1.09e4	1.39e4	0.248	0.780	5.39	9.75	43.4861	86.2		
44	-1												
45	23	L-EtFOSAA	584.2 > 419	2.35e3	4.12e3	0.248	0.000	5.38	7.14	31.5649		16.8	NO
46	72	Total N-EtFOSAA	584.2 > 419	2.35e3	4.12e3	0.248			7.14	31.5649			
47	26	PFDS	598.8 > 80	1.89e3	1.09e4	0.248	0.000	5.44	2.18	44.9713		1.82	YES
48	27	PFDoA	612.9 > 56...	1.13e4	1.32e4	0.248	0.000	5.68	10.6	31.0832		8.14	NO
49	29	PFTrDA	662.9 > 61...	1.22e4	1.32e4	0.248	0.000	5.92	11.5	35.8240		23.7	NO
50	51	d5-N-EtFOSAA	589.3 > 419	4.12e3	1.39e4	0.248	0.296	5.37	3.70	53.3172	105.7		
51	51	d5-N-EtFOSAA	589.3 > 419	4.12e3	1.39e4	0.248	0.296	5.37	3.70	53.3172	105.7		
52	52	13C2-PFUdA	565 > 519.8	1.09e4	1.39e4	0.248	0.780	5.39	9.75	43.4861	86.2		
53	53	13C2-PFDoA	615.0 > 56...	1.32e4	1.19e4	0.248	1.11	5.68	13.9	44.5640	88.3		
54	53	13C2-PFDoA	615.0 > 56...	1.32e4	1.19e4	0.248	1.11	5.68	13.9	44.5640	88.3		
55	-1												
56	30	PFTeDA	712.9 > 66...	9.70e3	8.62e3	0.248	0.000	6.13	14.1	32.4443		11.0	NO
57	73	TCDA	498.3>106.9			0.248							
58	60	13C4-PFBA	217. > 171.8	8.96e3	8.96e3	0.248	1.00	1.32	12.5	50.4521	100.0		
59	61	13C5-PFHxA	318 > 272.9	9.95e3	9.95e3	0.248	1.00	3.12	12.5	50.4521	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	2.62e3	2.62e3	0.248	1.00	3.89	12.5	50.4521	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	8.62e3	1.39e4	0.248	0.618	6.13	7.73	54.3255	107.7		
62	47	13C8-PFOS	507.0 > 79.9	2.65e3	2.66e3	0.248	0.997	4.78	12.5	45.3551	89.9		
63	63	13C8-PFOA	421.3 > 376	1.12e4	1.12e4	0.248	1.00	4.26	12.5	50.4521	100.0		
64	64	13C9-PFNA	472.2 > 42...	1.18e4	1.18e4	0.248	1.00	4.70	12.5	50.4521	100.0		
65	65	13C4-PFOS	503 > 79.9	2.66e3	2.66e3	0.248	1.00	4.78	12.5	50.4521	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	1.19e4	1.19e4	0.248	1.00	5.07	12.5	50.4521	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.39e4	1.39e4	0.248	1.00	5.39	12.5	50.4521	100.0		

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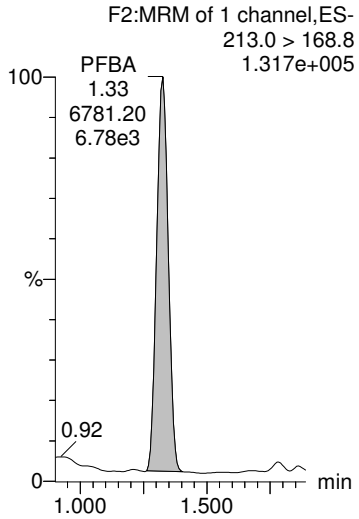
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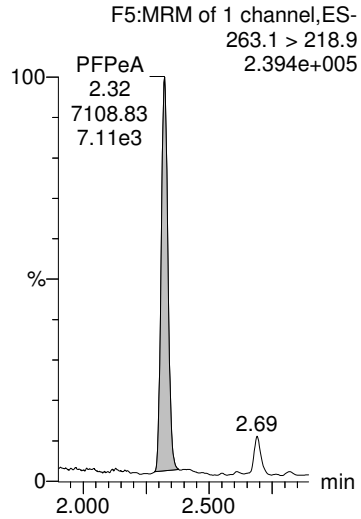
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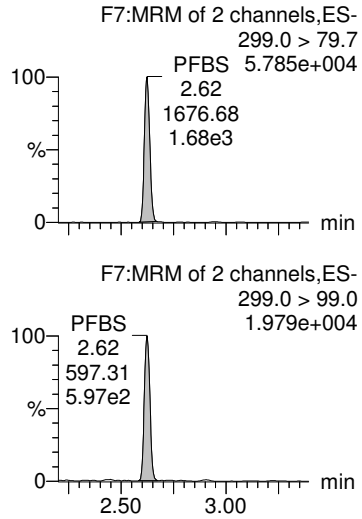
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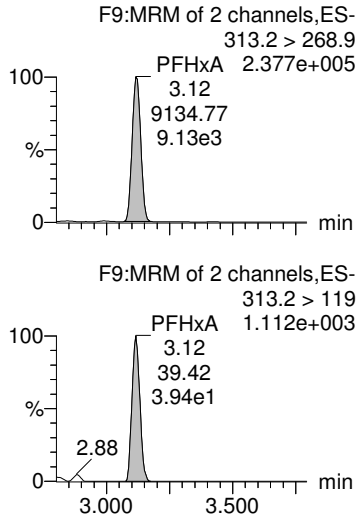
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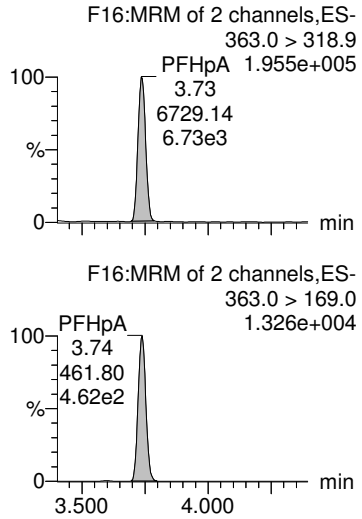
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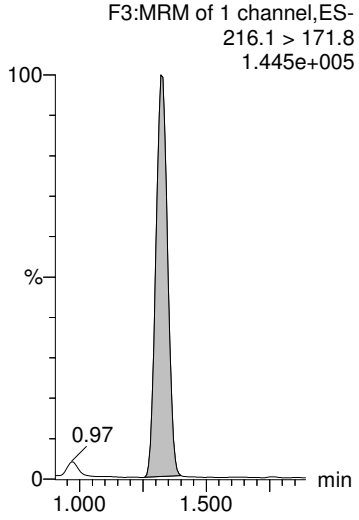
PFHxA



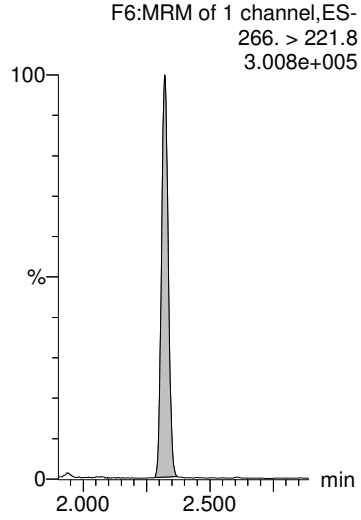
PFHpA



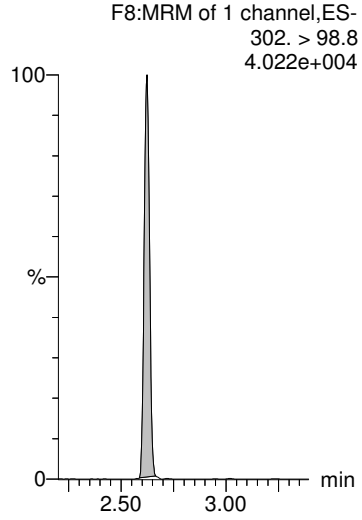
13C3-PFBA



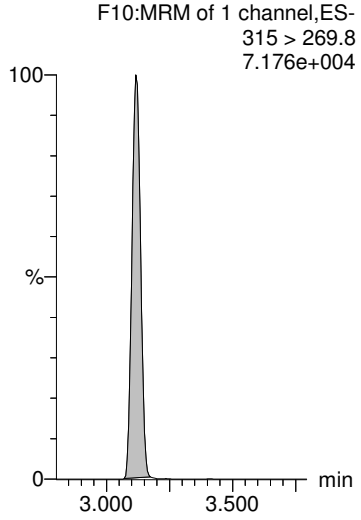
13C3-PFPeA



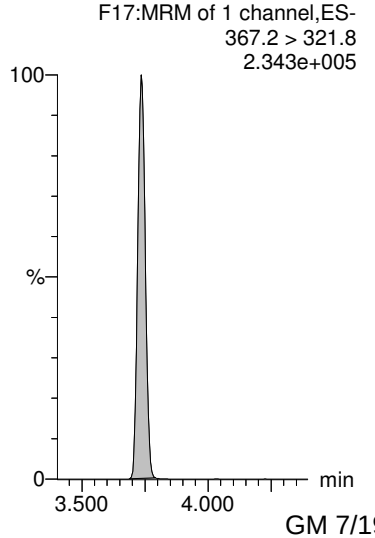
13C3-PFBS



13C2-PFHxA



13C4-PFHpA



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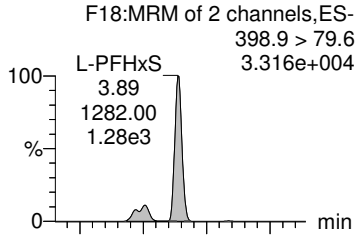
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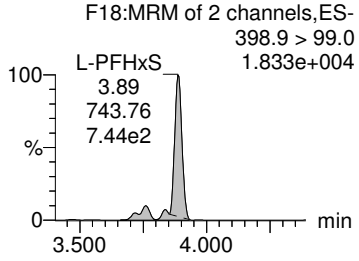
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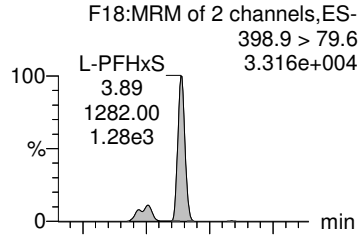
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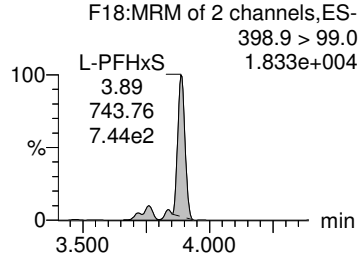
L-PFHxS



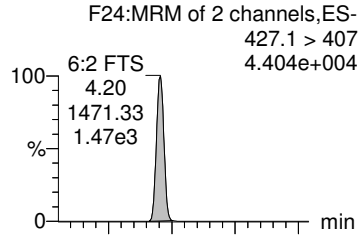


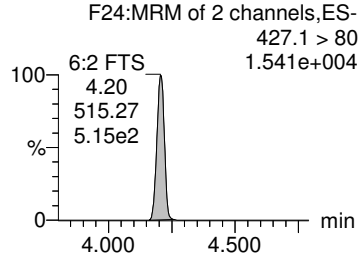
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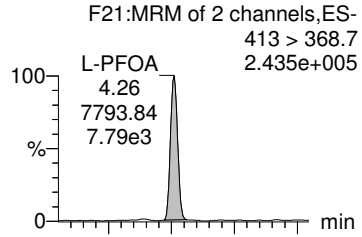


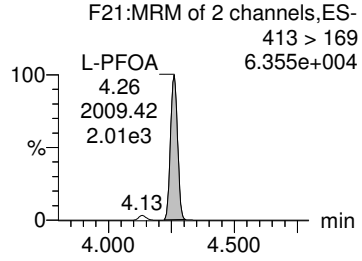
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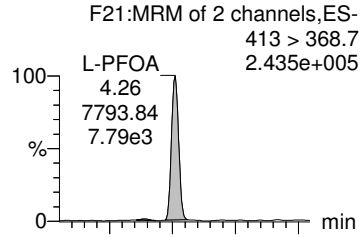


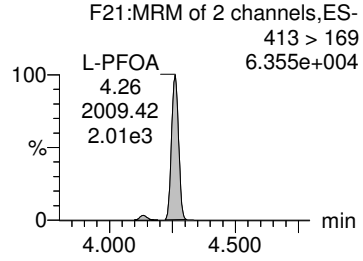
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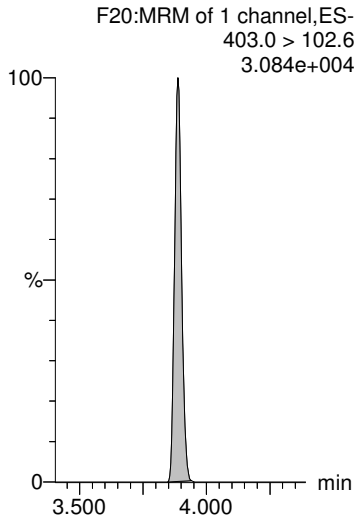


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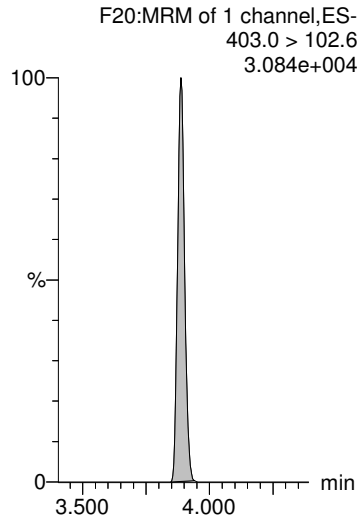




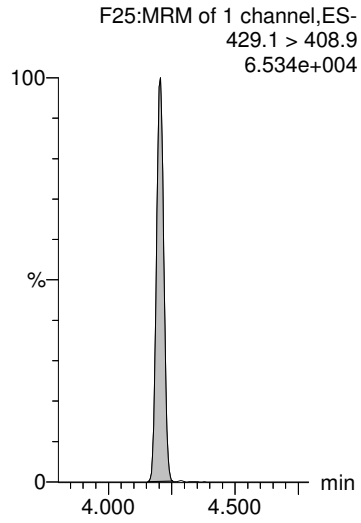
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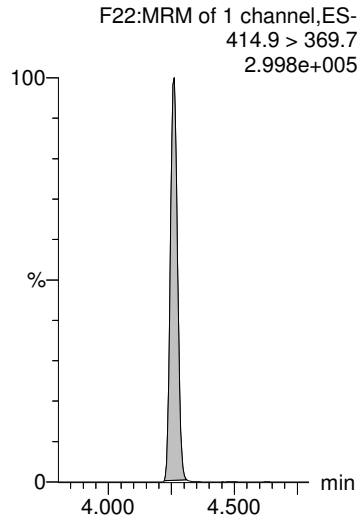
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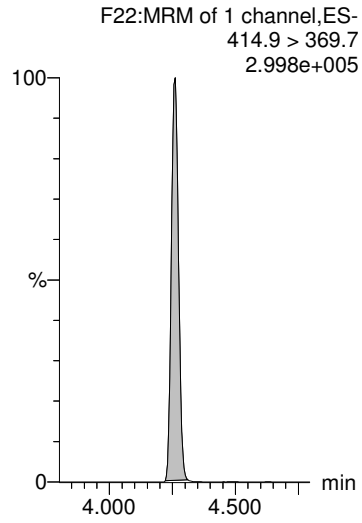
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



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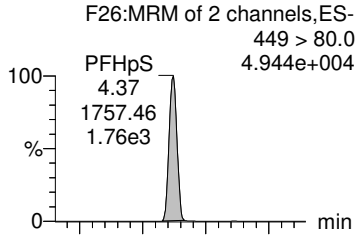
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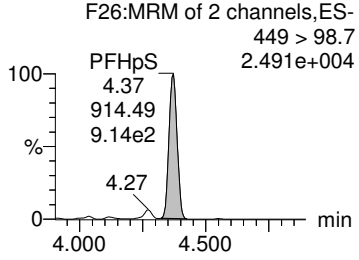
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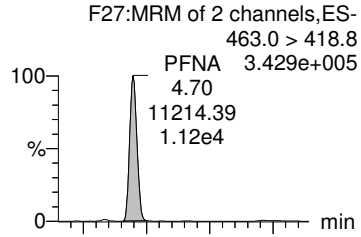
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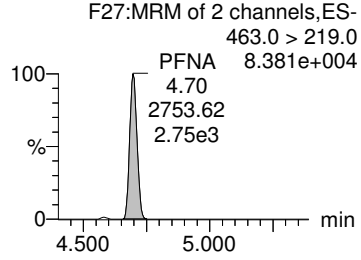
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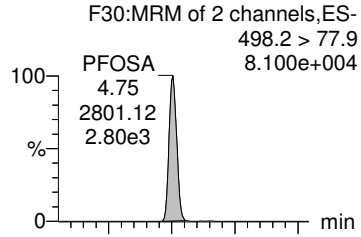


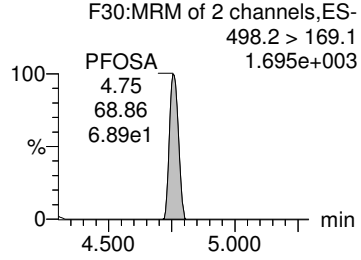
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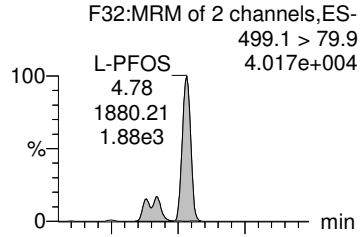


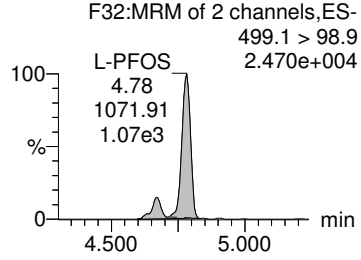
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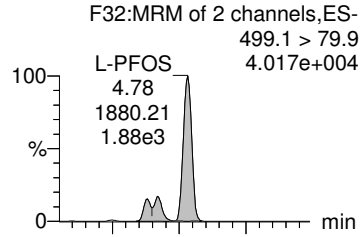


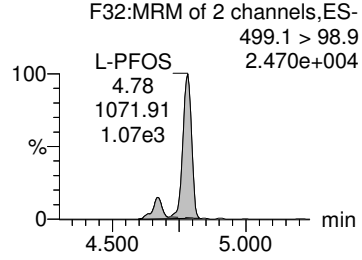
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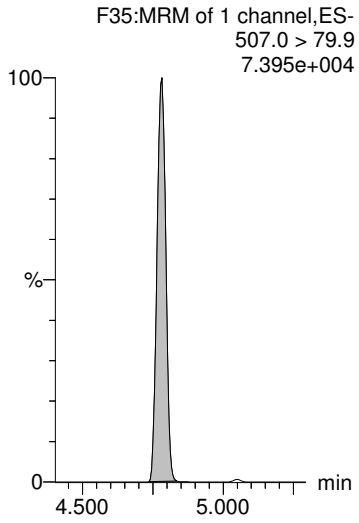


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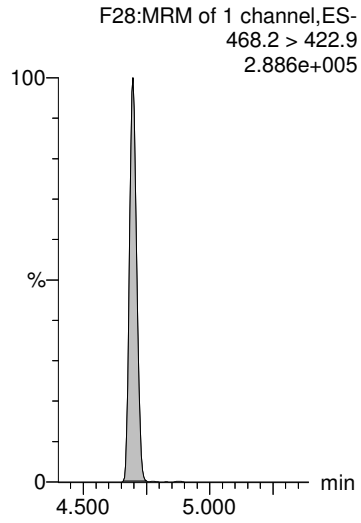




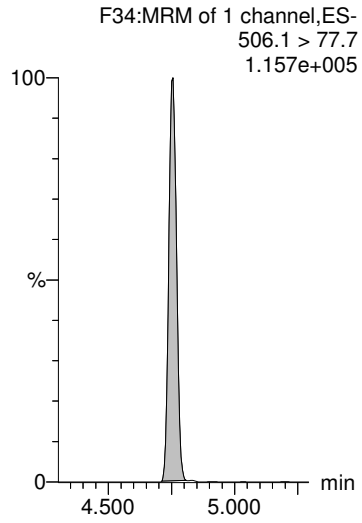
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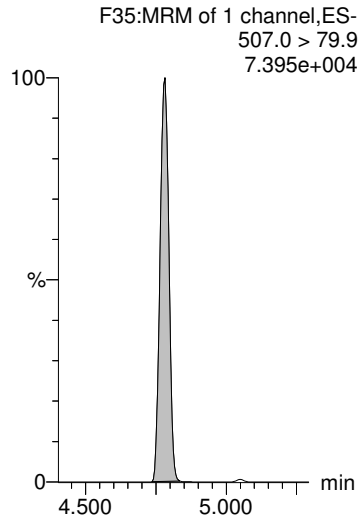
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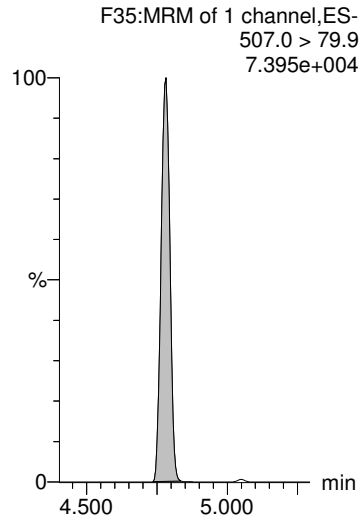
13C8-PFOSA



13C8-PFOS



13C8-PFOS



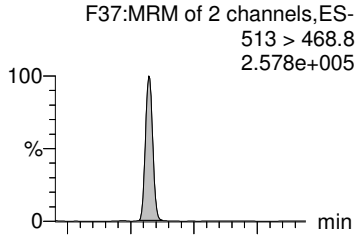
GM 7/19/2018

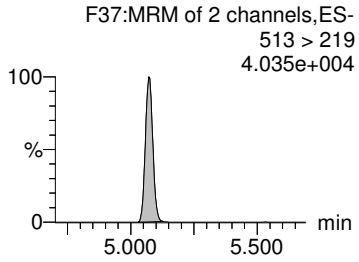
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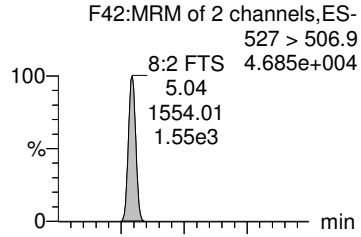
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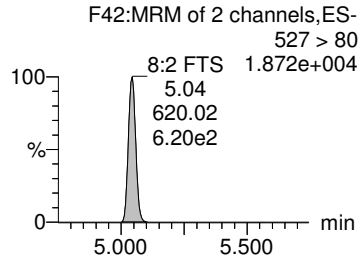
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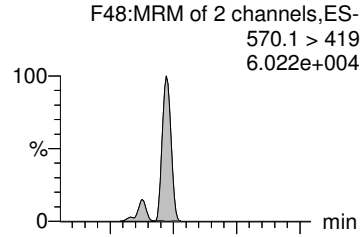


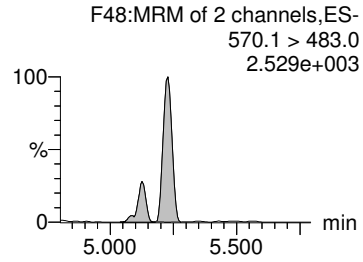
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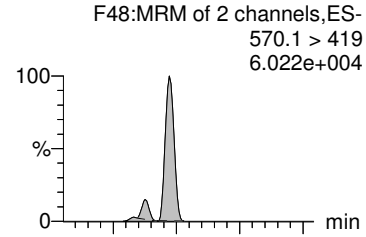


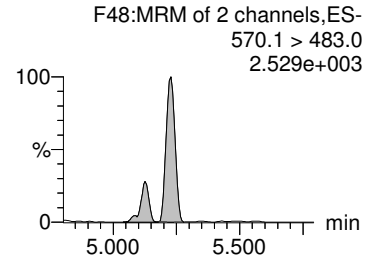
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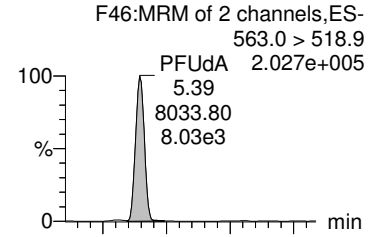


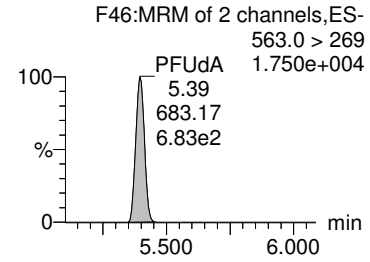
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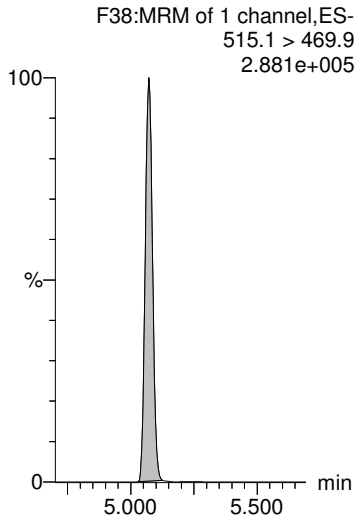


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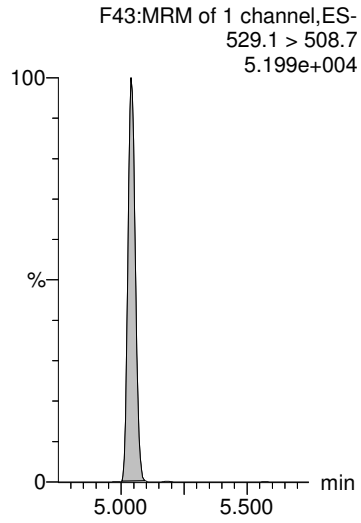




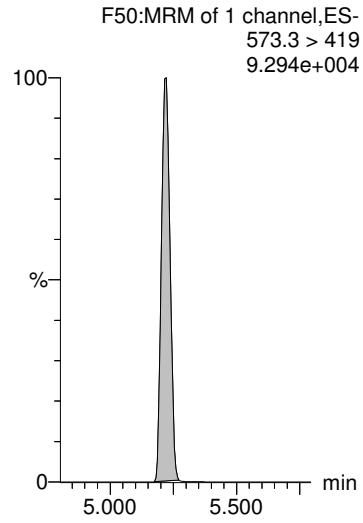
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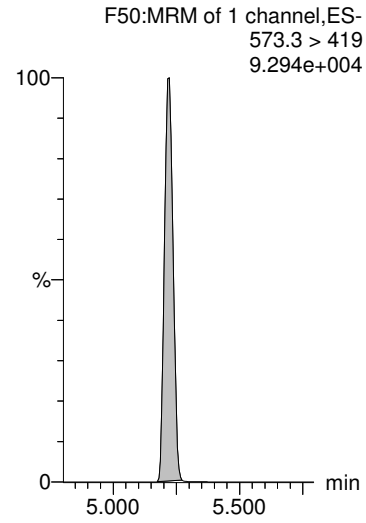
13C2-8:2 FTS



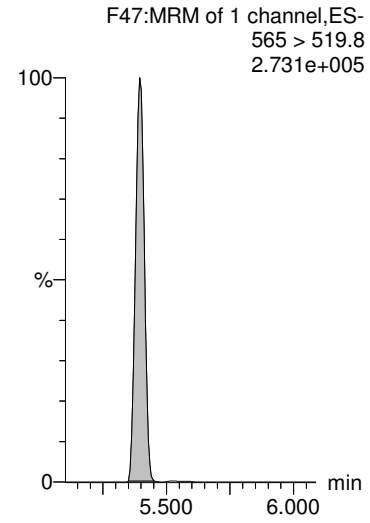
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d3-N-MeFOSAA



13C2-PFUdA



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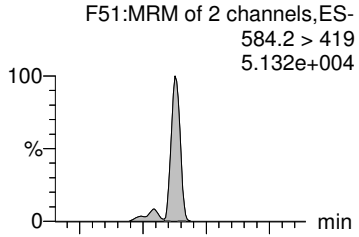
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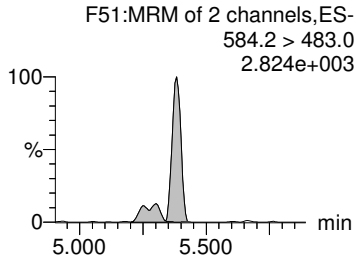
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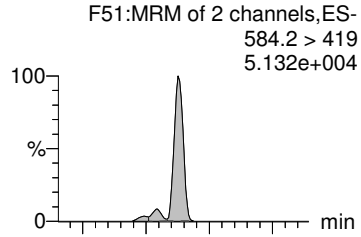
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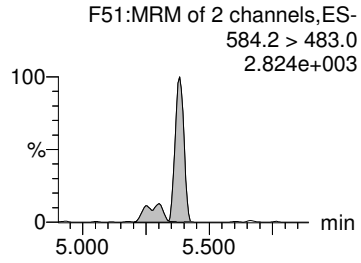
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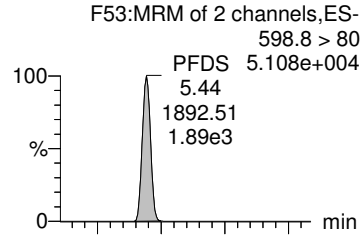


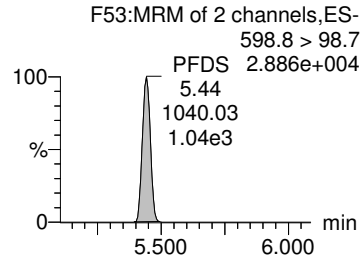
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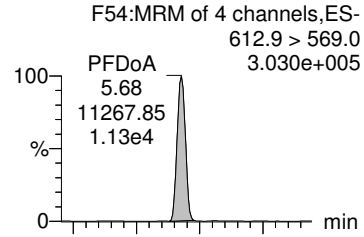


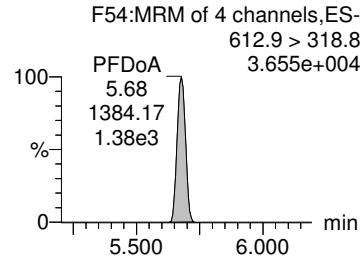
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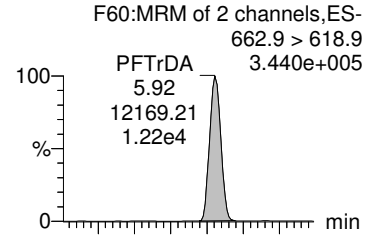


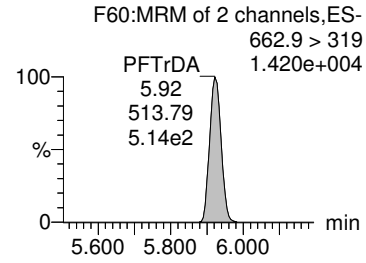
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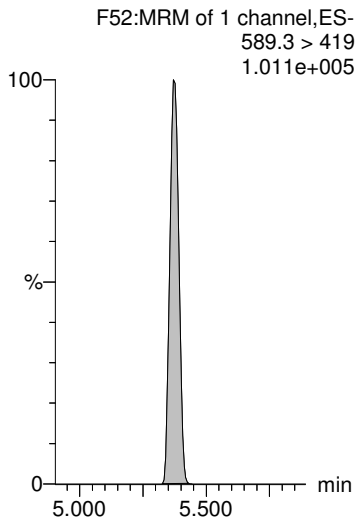


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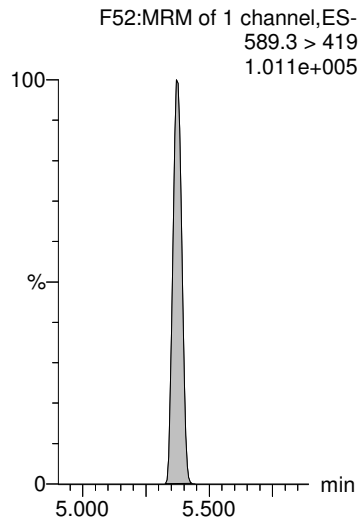




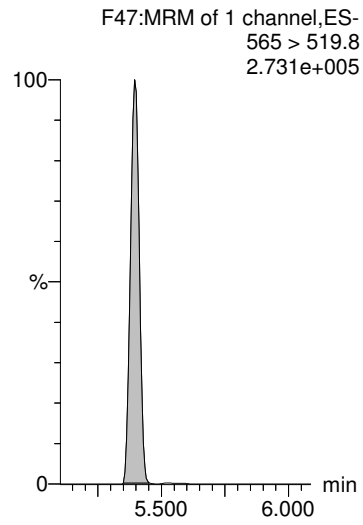
d5-N-EtFOSAA



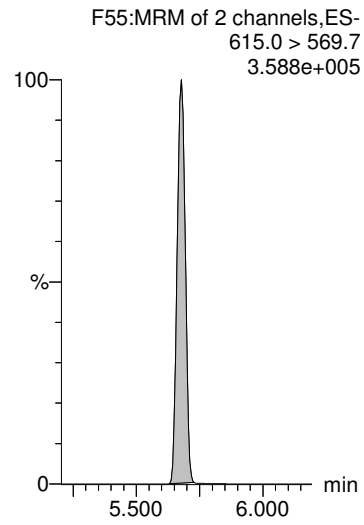
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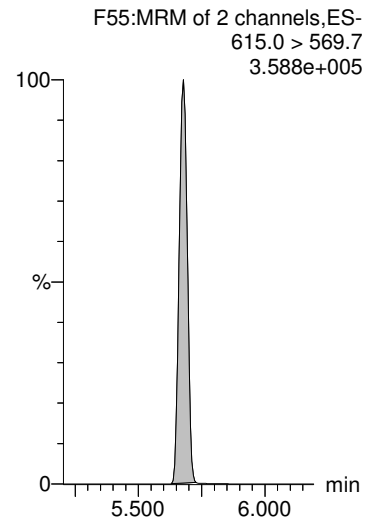
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13C2-PFDoA



13C2-PFDoA



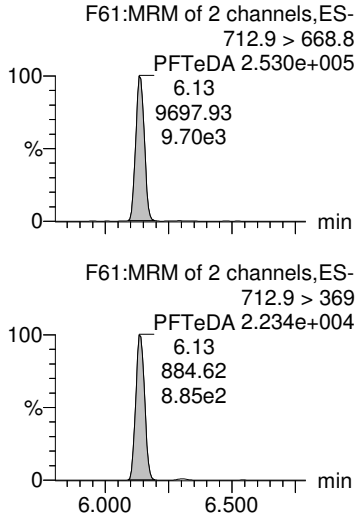
GM 7/19/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-59.qld MMM 7/20/2018

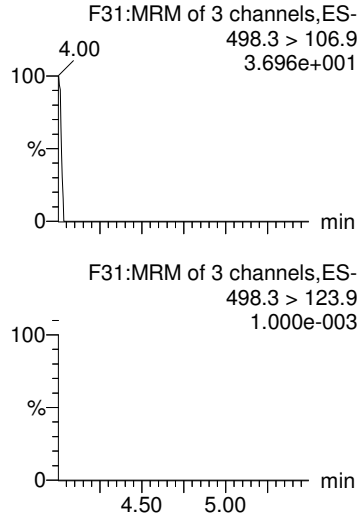
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Name: 180713M2_59, Date: 14-Jul-2018, Time: 02:29:04, ID: B8G0006-MSD1 Matrix Spike Dup 0.24776, Description: Matrix Spike Dup

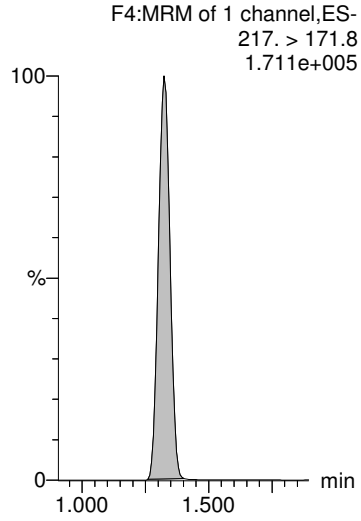
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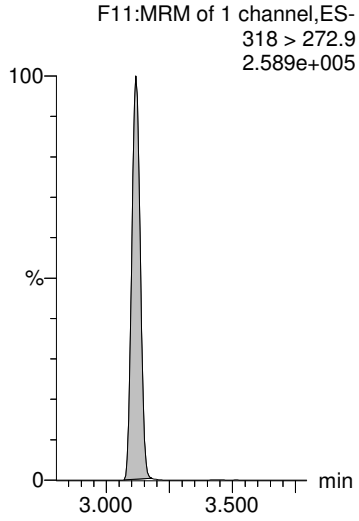
TCDA



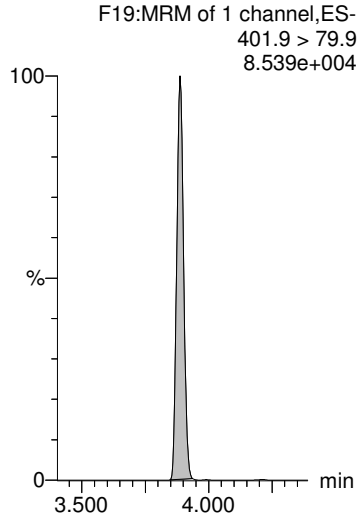
13C4-PFBA



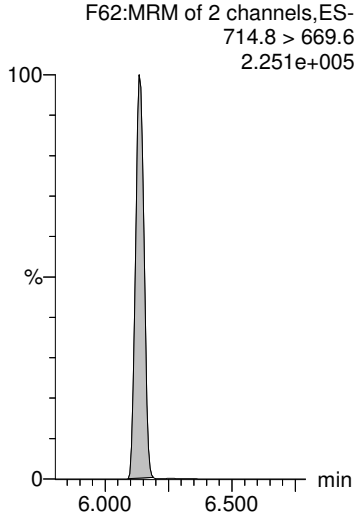
13C5-PFHxA



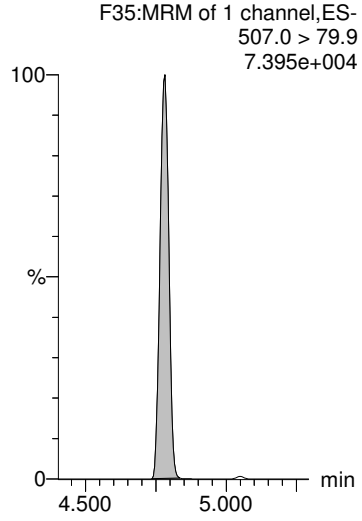
13C3-PFHxS



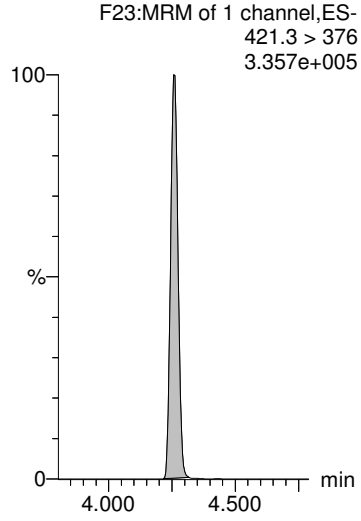
13C2-PFTeDA



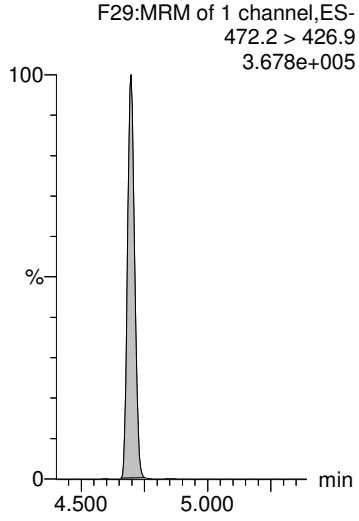
13C8-PFOS



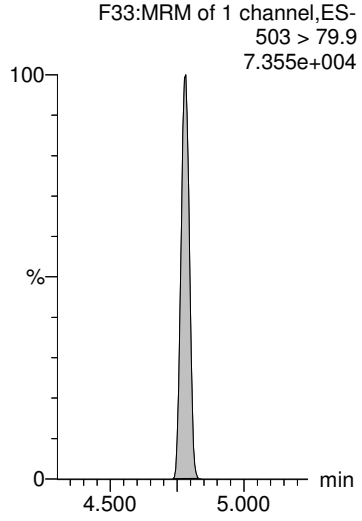
13C8-PFOA



13C9-PFNA



13C4-PFOS



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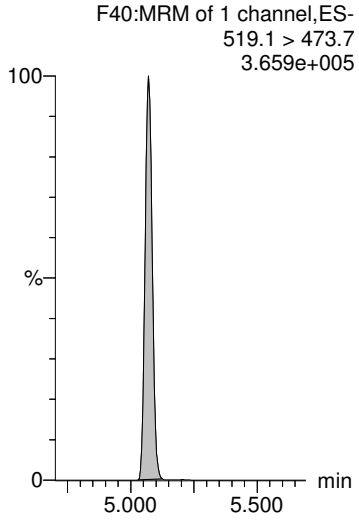
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MMM 7/20/2018

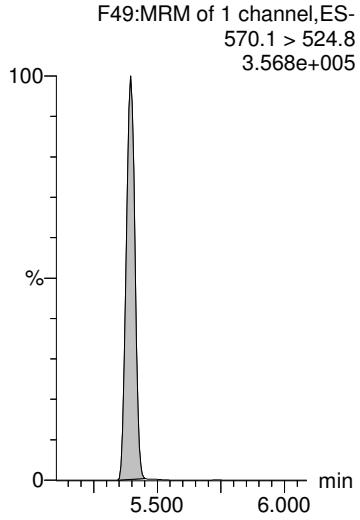
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Name: 180713M2_59, Date: 14-Jul-2018, Time: 02:29:04, ID: B8G0006-MSD1 Matrix Spike Dup 0.24776, Description: Matrix Spike Dup

13C6-PFDA



13C7-PFUdA



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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-67.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:19:10 Pacific Daylight Time
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Name: 180713M2_67, Date: 14-Jul-2018, Time: 03:52:44, ID: 1801486-07 SA-SW201-FRB-20180626 0.26295, Description: SA-SW201-FRB-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...		6.56e3	0.263							
2	2	PFPeA	263.1 > 21...		7.73e3	0.263							
3	3	PFBS	299.0 > 79.7		9.66e2	0.263							
4	5	PFHxA	313.2 > 26...		2.38e3	0.263							
5	7	PFHpA	363.0 > 31...		6.80e3	0.263							
6	36	13C3-PFBA	216.1 > 17...	6.56e3	7.22e3	0.263	0.909	1.33	11.4	47.1830	99.3		
7	37	13C3-PFPeA	266. > 221.8	7.73e3	7.75e3	0.263	0.998	2.32	12.5	47.9802	100.9		
8	38	13C3-PFBS	302. > 98.8	9.66e2	7.75e3	0.263	0.125	2.62	1.56	49.4226	104.0		
9	40	13C2-PFHxA	315 > 269.8	2.38e3	7.75e3	0.263	0.767	3.12	3.84	19.5617	102.9		
10	41	13C4-PFHpA	367.2 > 32...	6.80e3	7.75e3	0.263	0.878	3.73	11.0	51.4653	108.3		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	6.32e-1	8.07e2	0.263	0.000	3.88	0.00979	0.2481		0.154	YES
13	68	Total PFHxS	398.9 > 79.6	6.32e-1	8.07e2	0.263			0.00979	0.2481			
14	10	6:2 FTS	427.1 > 407		1.62e3	0.263							
15	11	L-PFOA	413 > 368.7		7.06e3	0.263							
16	69	Total PFOA	413 > 368.7	0.00e0	7.06e3	0.263			0.000				
17	42	18O2-PFHxS	403.0 > 10...	8.07e2	1.99e3	0.263	0.405	3.88	5.06	47.0960	99.1		
18	42	18O2-PFHxS	403.0 > 10...	8.07e2	1.99e3	0.263	0.405	3.88	5.06	47.0960	99.1		
19	43	13C2-6:2 FTS	429.1 > 40...	1.62e3	8.17e3	0.263	0.198	4.20	2.47	44.2705	93.1		
20	44	13C2-PFOA	414.9 > 36...	7.06e3	8.17e3	0.263	0.864	4.26	10.8	43.4334	91.4		
21	44	13C2-PFOA	414.9 > 36...	7.06e3	8.17e3	0.263	0.864	4.26	10.8	43.4334	91.4		
22	-1												
23	13	PFHpS	449 > 80.0		2.32e3	0.263							
24	14	PFNA	463.0 > 41...		7.34e3	0.263							
25	15	PFOSA	498.2 > 77.9		2.33e3	0.263							
26	16	L-PFOS	499.1 > 79.9	2.25e0	2.32e3	0.263	0.000	4.69	0.0121			1.04	YES
27	70	Total PFOS	499.1 > 79.9	2.25e0	2.32e3	0.263			0.000				
28	47	13C8-PFOS	507.0 > 79.9	2.32e3	2.38e3	0.263	0.975	4.78	12.2	41.7995	87.9		
29	45	13C5-PFNA	468.2 > 42...	7.34e3	9.46e3	0.263	0.776	4.69	9.70	37.6851	79.3		
30	46	13C8-PFOSA	506.1 > 77.7	2.33e3	1.36e4	0.263	0.171	4.75	2.14	26.8096	56.4		
31	47	13C8-PFOS	507.0 > 79.9	2.32e3	2.38e3	0.263	0.975	4.78	12.2	41.7995	87.9		
32	47	13C8-PFOS	507.0 > 79.9	2.32e3	2.38e3	0.263	0.975	4.78	12.2	41.7995	87.9		
33	-1												
34	18	PFDA	513 > 468.8		7.53e3	0.263							
35	19	8:2 FTS	527 > 506.9		1.32e3	0.263							
36	21	L-MeFOSAA	570.1 > 419		2.69e3	0.263							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.69e3	0.263			0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-67.qld MMM 7/20/2018

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Name: 180713M2_67, Date: 14-Jul-2018, Time: 03:52:44, ID: 1801486-07 SA-SW201-FRB-20180626 0.26295, Description: SA-SW201-FRB-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...		8.57e3	0.263							
39	48	13C2-PFDA	515.1 > 46...	7.53e3	8.85e3	0.263	0.851	5.07	10.6	40.1772	84.5		
40	49	13C2-8:2 FTS	529.1 > 50...	1.32e3	7.75e3	0.263	0.171	5.04	2.13	41.5492	87.4		
41	50	d3-N-MeFOSAA	573.3 > 419	2.69e3	1.36e4	0.263	0.198	5.22	2.47	36.3865	76.5		
42	50	d3-N-MeFOSAA	573.3 > 419	2.69e3	1.36e4	0.263	0.198	5.22	2.47	36.3865	76.5		
43	52	13C2-PFUdA	565 > 519.8	8.57e3	1.36e4	0.263	0.630	5.39	7.87	33.0720	69.6		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		2.95e3	0.263							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	2.95e3	0.263			0.000				
47	26	PFDS	598.8 > 80		8.57e3	0.263							
48	27	PFDoA	612.9 > 56...		9.03e3	0.263							
49	29	PFTrDA	662.9 > 61...		9.03e3	0.263							
50	51	d5-N-EtFOSAA	589.3 > 419	2.95e3	1.36e4	0.263	0.216	5.37	2.70	36.7435	77.3		
51	51	d5-N-EtFOSAA	589.3 > 419	2.95e3	1.36e4	0.263	0.216	5.37	2.70	36.7435	77.3		
52	52	13C2-PFUdA	565 > 519.8	8.57e3	1.36e4	0.263	0.630	5.39	7.87	33.0720	69.6		
53	53	13C2-PFDoA	615.0 > 56...	9.03e3	8.85e3	0.263	1.02	5.67	12.8	38.4339	80.8		
54	53	13C2-PFDoA	615.0 > 56...	9.03e3	8.85e3	0.263	1.02	5.67	12.8	38.4339	80.8		
55	-1												
56	30	PFTeDA	712.9 > 66...		6.37e3	0.263							
57	73	TCDA	498.3>106.9			0.263							
58	60	13C4-PFBA	217. > 171.8	7.22e3	7.22e3	0.263	1.00	1.32	12.5	47.5376	100.0		
59	61	13C5-PFHxA	318 > 272.9	7.75e3	7.75e3	0.263	1.00	3.12	12.5	47.5376	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	1.99e3	1.99e3	0.263	1.00	3.88	12.5	47.5376	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	6.37e3	1.36e4	0.263	0.468	6.13	5.84	38.7067	81.4		
62	47	13C8-PFOS	507.0 > 79.9	2.32e3	2.38e3	0.263	0.975	4.78	12.2	41.7995	87.9		
63	63	13C8-PFOA	421.3 > 376	8.17e3	8.17e3	0.263	1.00	4.26	12.5	47.5376	100.0		
64	64	13C9-PFNA	472.2 > 42...	9.46e3	9.46e3	0.263	1.00	4.69	12.5	47.5376	100.0		
65	65	13C4-PFOS	503 > 79.9	2.38e3	2.38e3	0.263	1.00	4.78	12.5	47.5376	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	8.85e3	8.85e3	0.263	1.00	5.07	12.5	47.5376	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.36e4	1.36e4	0.263	1.00	5.39	12.5	47.5376	100.0		

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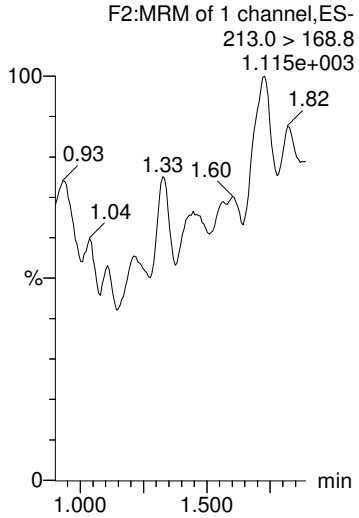
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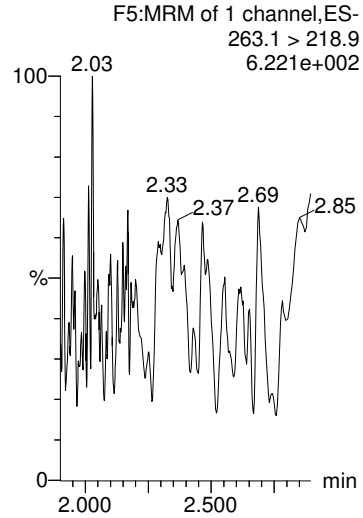
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Name: 180713M2_67, Date: 14-Jul-2018, Time: 03:52:44, ID: 1801486-07 SA-SW201-FRB-20180626 0.26295, Description: SA-SW201-FRB-20180626

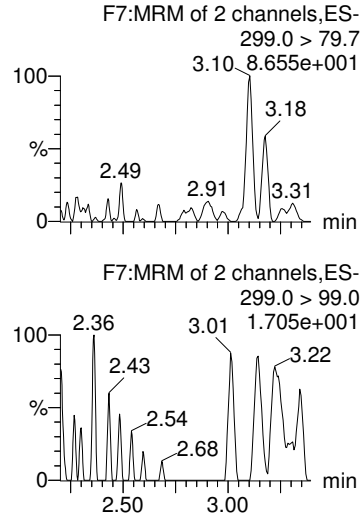
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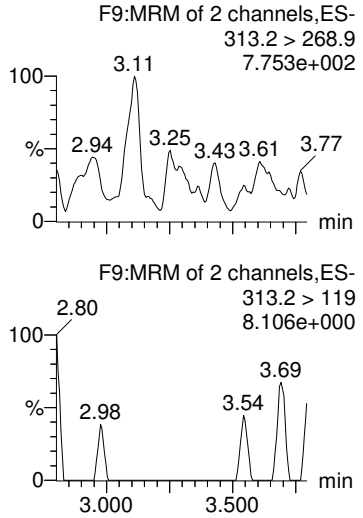
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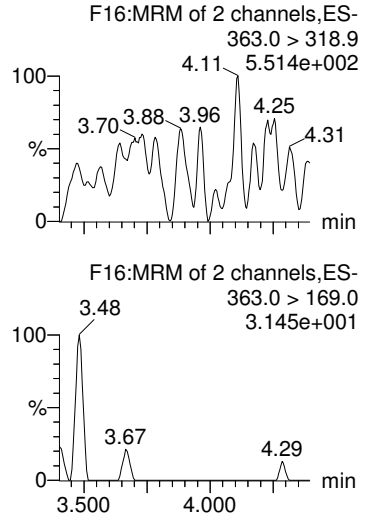
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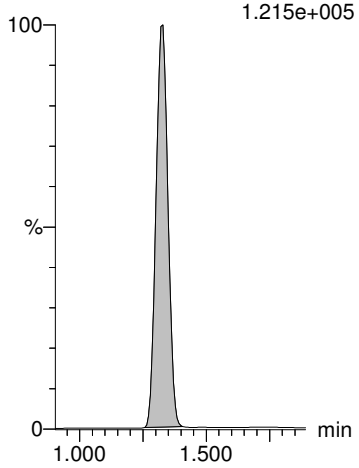
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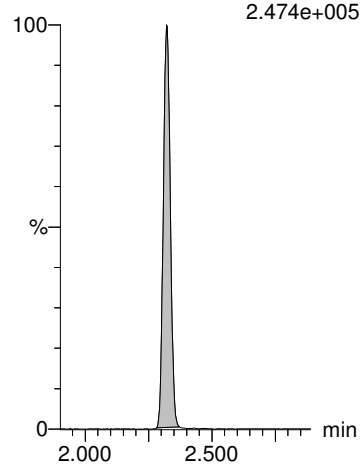
PFHpA



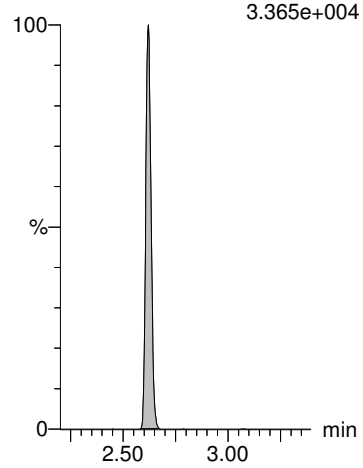
13C3-PFBA



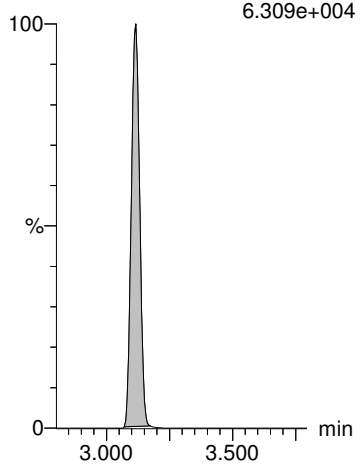
13C3-PFPeA



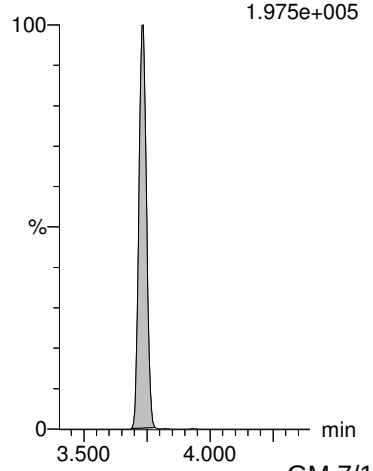
13C3-PFBS



13C2-PFHxA



13C4-PFHpA



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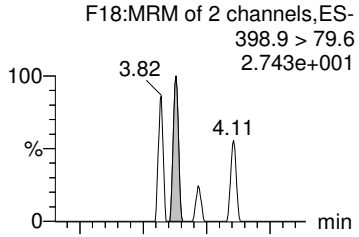
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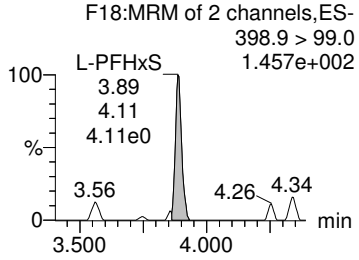
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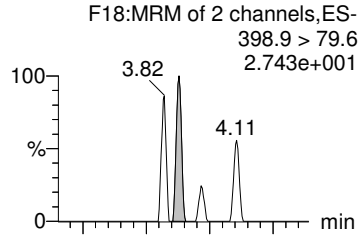
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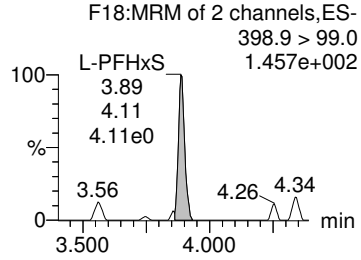
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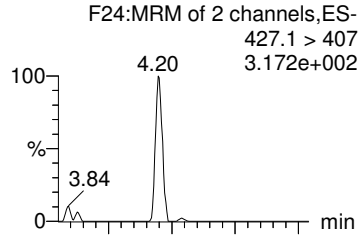


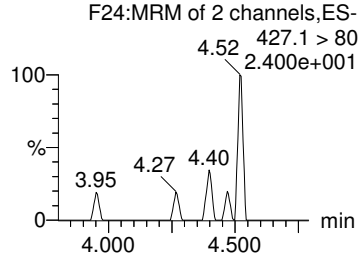
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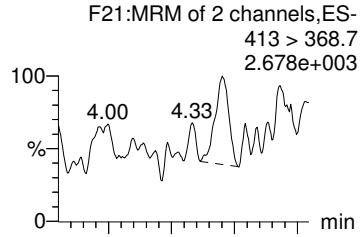


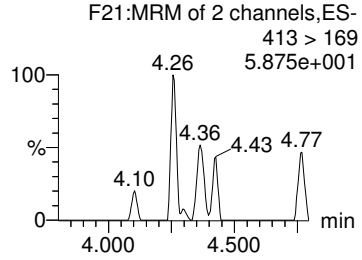
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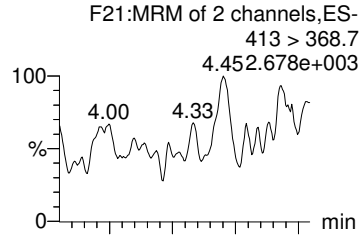


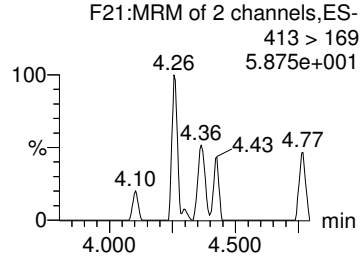
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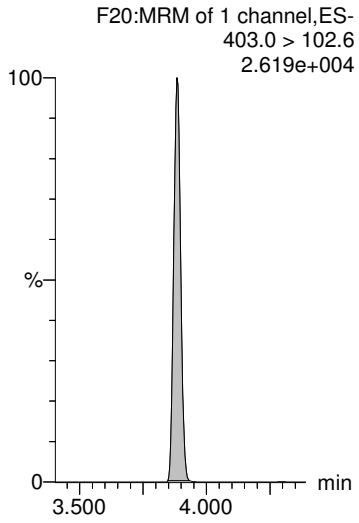


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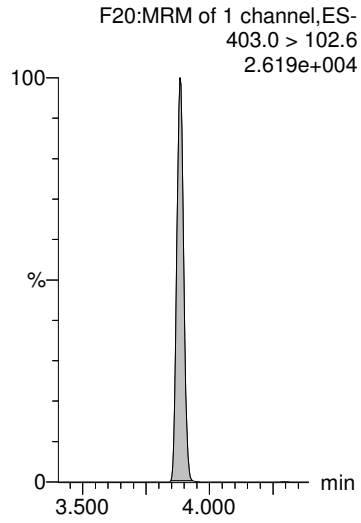




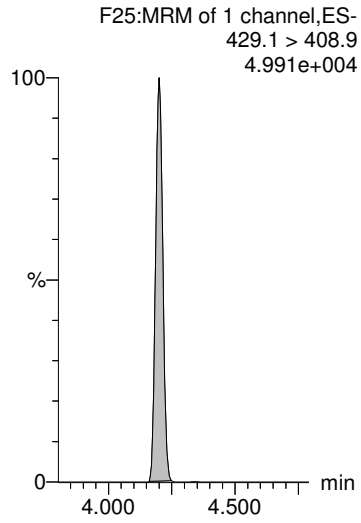
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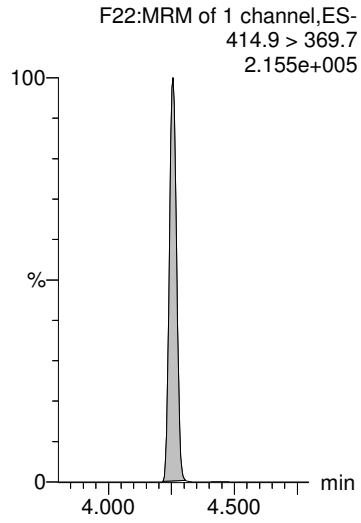
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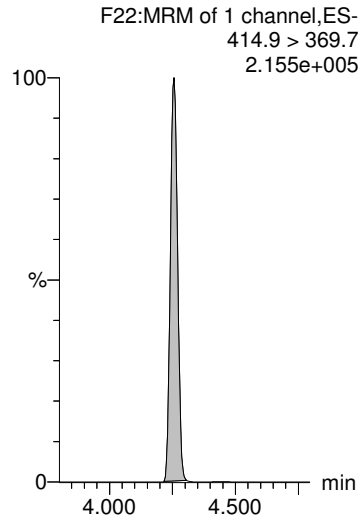
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13C2-PFOA



13C2-PFOA



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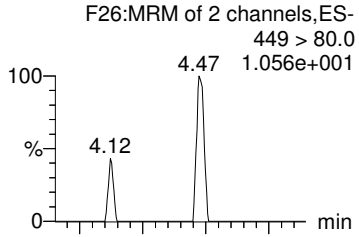
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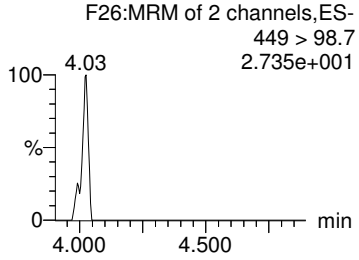
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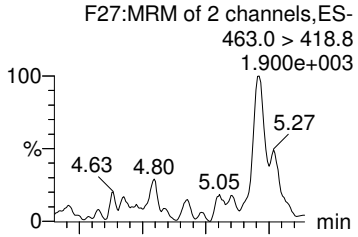
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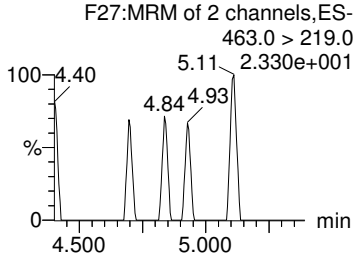
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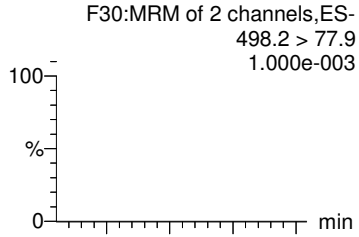


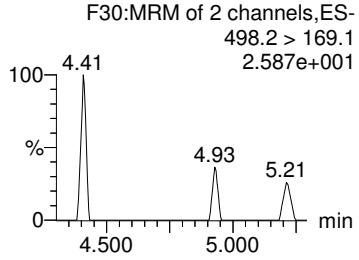
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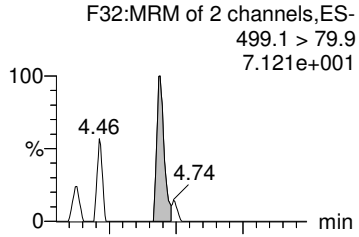


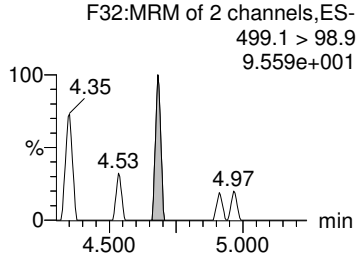
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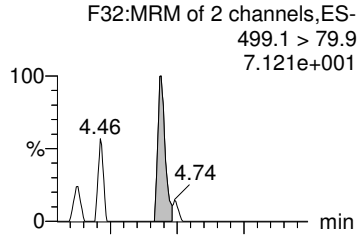


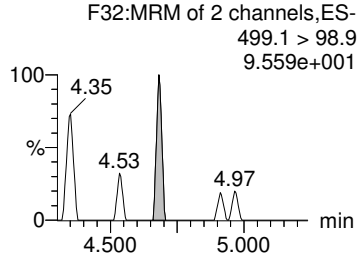
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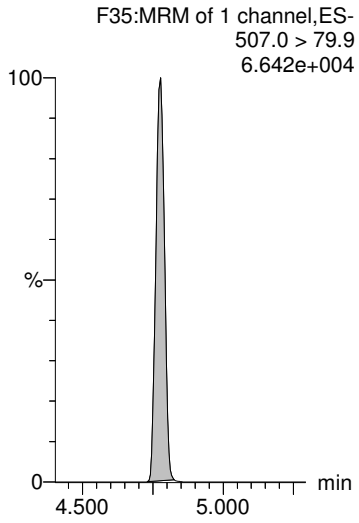


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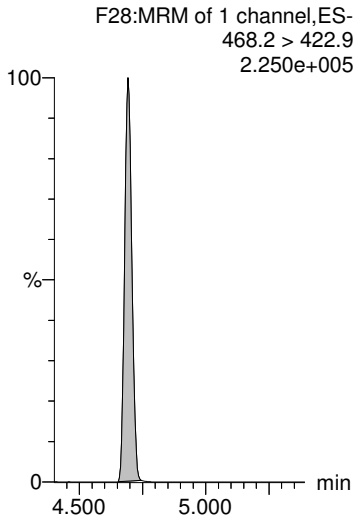




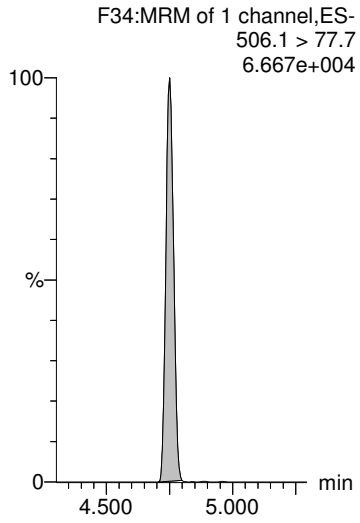
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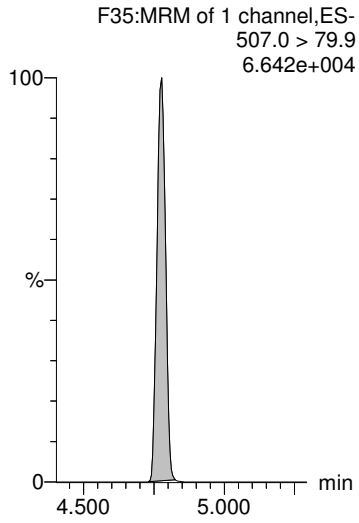
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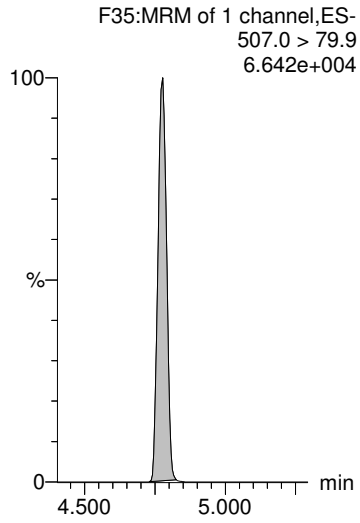
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13C8-PFOS



13C8-PFOS



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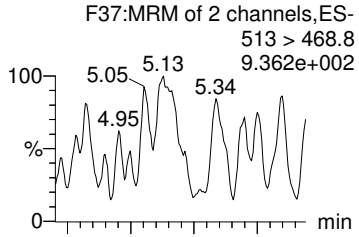
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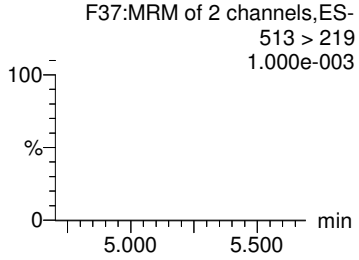
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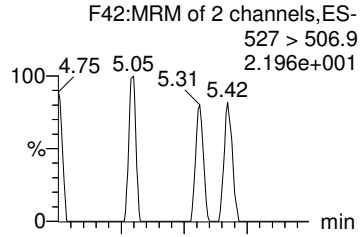
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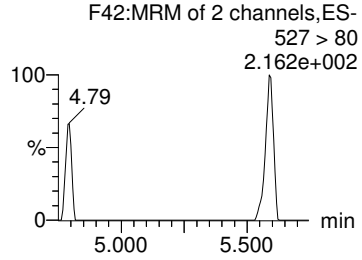
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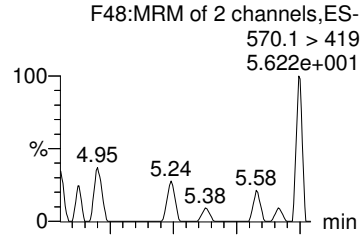


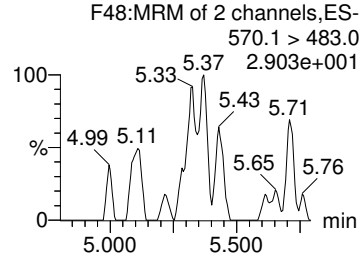
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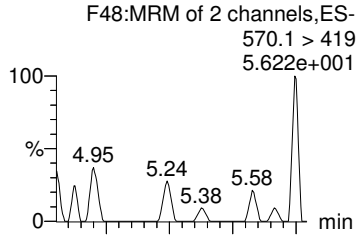


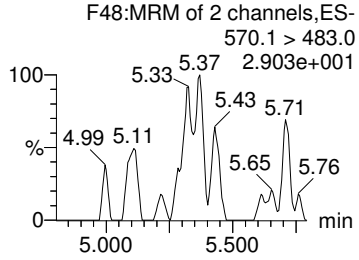
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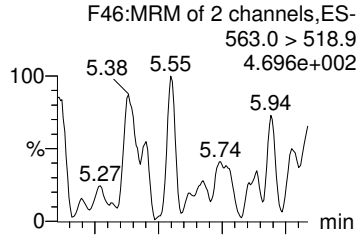


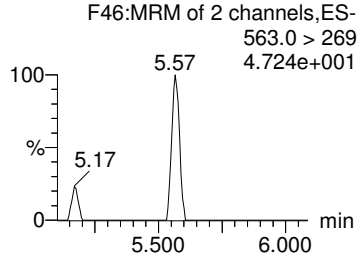
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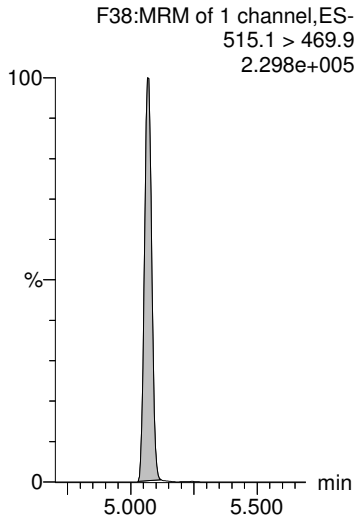


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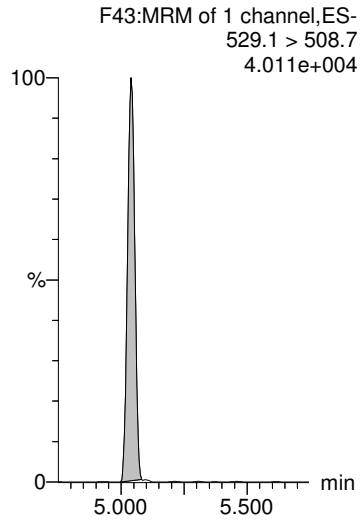




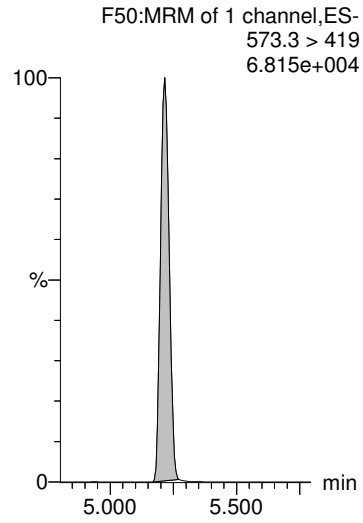
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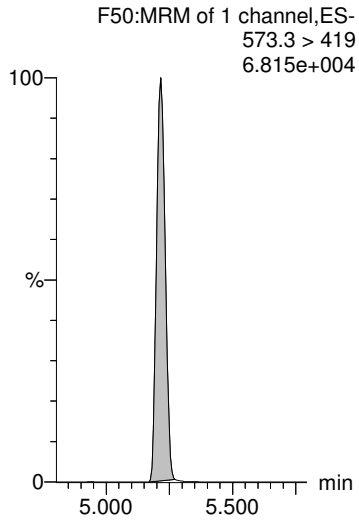
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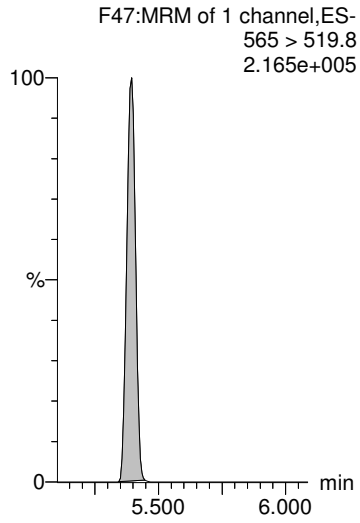
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d3-N-MeFOSAA



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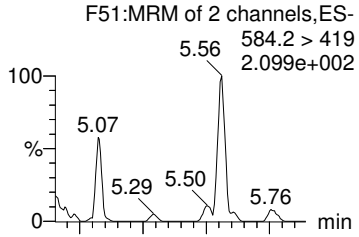
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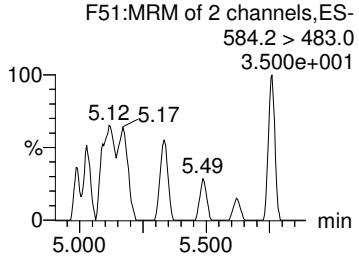
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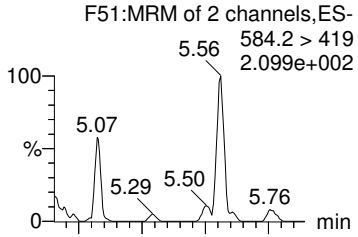
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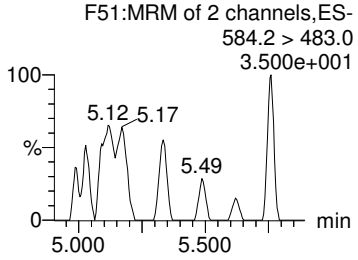
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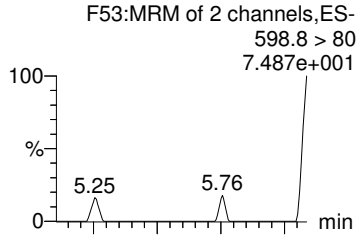


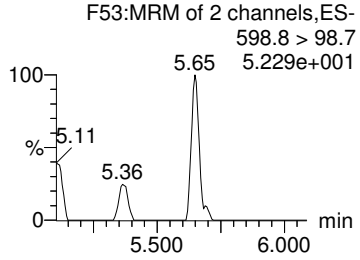
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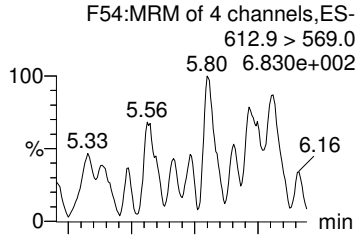


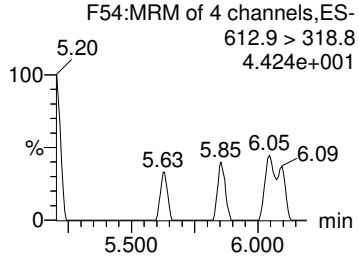
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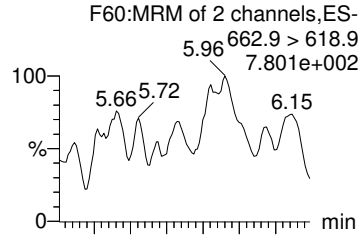


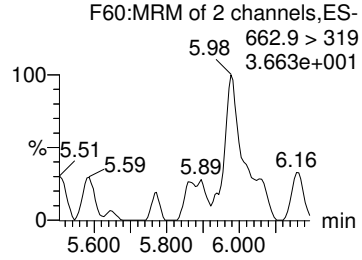
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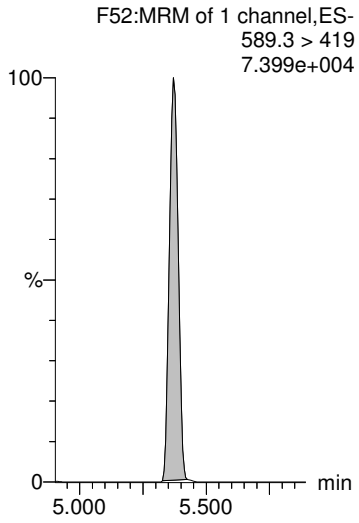


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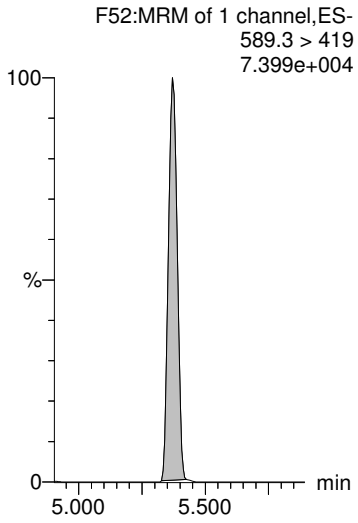




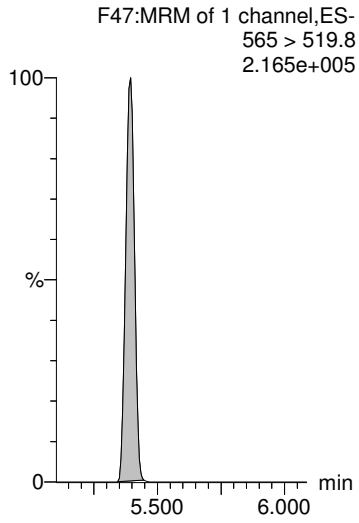
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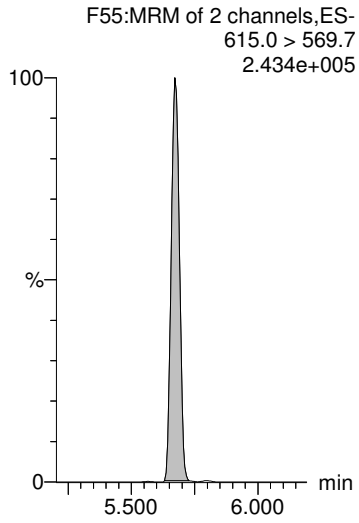
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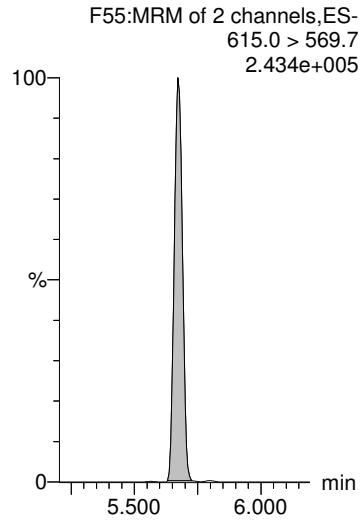
13C2-PFUdA



13C2-PFDoA



13C2-PFDoA



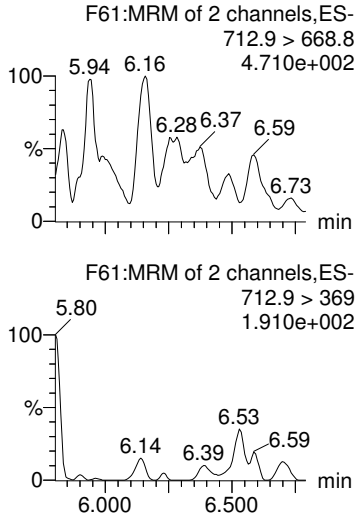
GM 7/19/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-67.qld MMM 7/20/2018

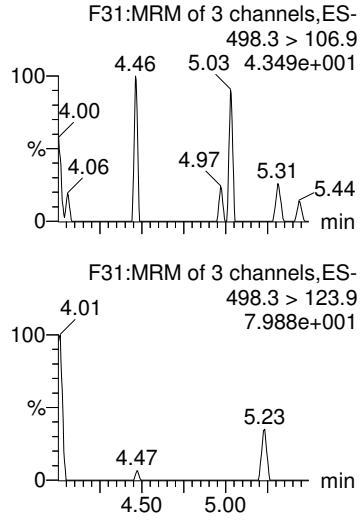
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Printed: Thursday, July 19, 2018 15:20:17 Pacific Daylight Time

Name: 180713M2_67, Date: 14-Jul-2018, Time: 03:52:44, ID: 1801486-07 SA-SW201-FRB-20180626 0.26295, Description: SA-SW201-FRB-20180626

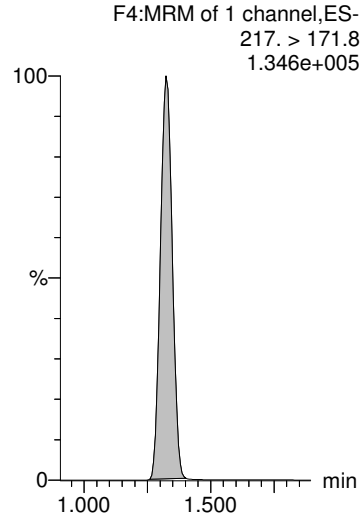
PFTeDA



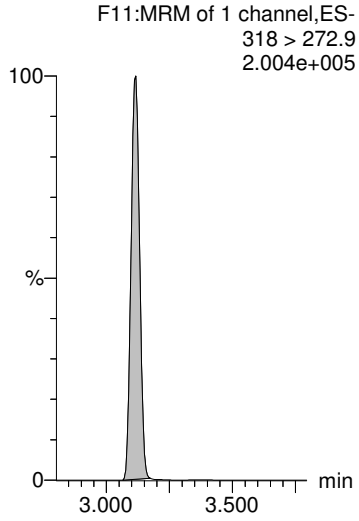
TCDA



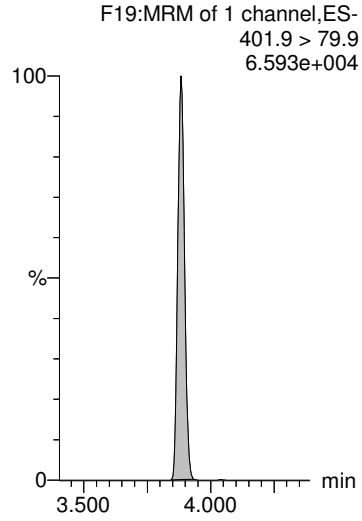
13C4-PFBA



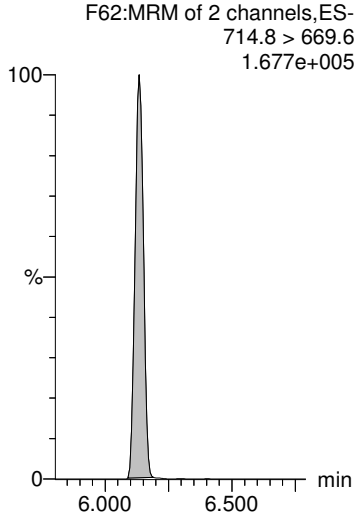
13C5-PFHxA



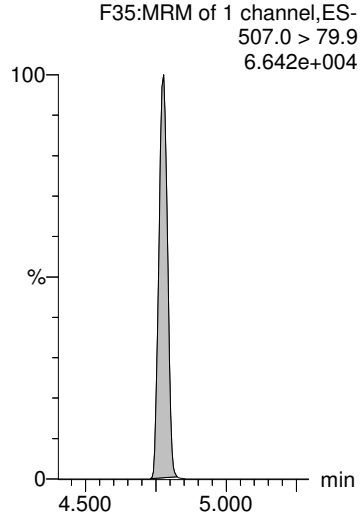
13C3-PFHxS



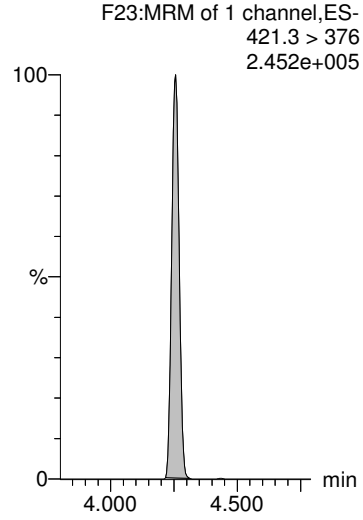
13C2-PFTeDA



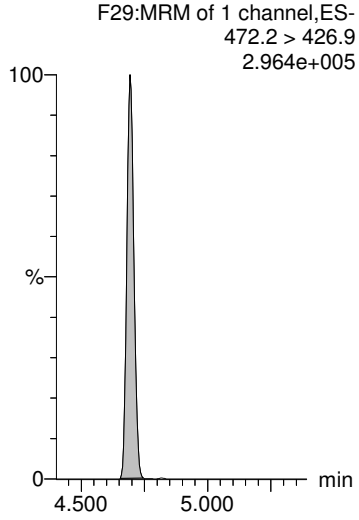
13C8-PFOS



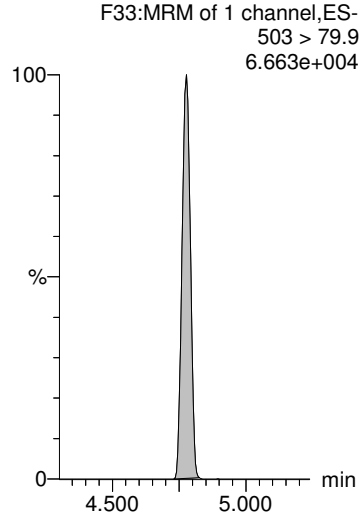
13C8-PFOA



13C9-PFNA



13C4-PFOS



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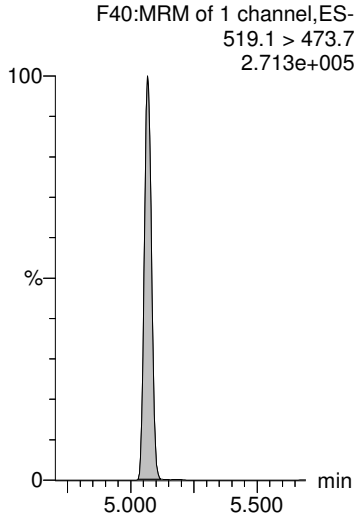
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MMM 7/20/2018

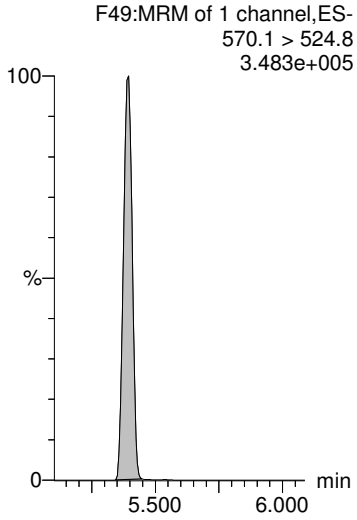
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Name: 180713M2_67, Date: 14-Jul-2018, Time: 03:52:44, ID: 1801486-07 SA-SW201-FRB-20180626 0.26295, Description: SA-SW201-FRB-20180626

13C6-PFDA



13C7-PFUdA



GM 7/19/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-68.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:24:40 Pacific Daylight Time
Printed: Thursday, July 19, 2018 15:24:52 Pacific Daylight Time

Name: 180713M2_68, Date: 14-Jul-2018, Time: 04:03:15, ID: 1801486-08 SA-SW204-20180626 0.24756, Description: SA-SW204-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	6.53e2	6.40e3	0.248	0.000	1.33	1.28	4.5878			
2	2	PFPeA	263.1 > 21...	1.21e3	7.66e3	0.248	0.000	2.32	1.97	7.7176			
3	3	PFBS	299.0 > 79.7		1.04e3	0.248							
4	5	PFHxA	313.2 > 26...	1.18e3	2.09e3	0.248	0.000	3.12	2.81	6.7743		412	YES
5	7	PFHpA	363.0 > 31...	9.19e2	6.57e3	0.248	0.000	3.73	1.75	6.1826		19.3	NO
6	36	13C3-PFBA	216.1 > 17...	6.40e3	7.27e3	0.248	0.880	1.32	11.0	48.5289	96.1		
7	37	13C3-PFPeA	266. > 221.8	7.66e3	7.99e3	0.248	0.958	2.32	12.0	48.9551	97.0		
8	38	13C3-PFBS	302. > 98.8	1.04e3	7.99e3	0.248	0.130	2.62	1.63	54.9011	108.7		
9	40	13C2-PFHxA	315 > 269.8	2.09e3	7.99e3	0.248	0.654	3.12	3.27	17.7176	87.7		
10	41	13C4-PFHpA	367.2 > 32...	6.57e3	7.99e3	0.248	0.822	3.73	10.3	51.1925	101.4		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	1.76e2	8.19e2	0.248	0.000	3.89	2.69	5.9622		1.81	NO
13	68	Total PFHxS	398.9 > 79.6	1.76e2	8.19e2	0.248			2.69	5.9622			
14	10	6:2 FTS	427.1 > 407	2.51e2	1.67e3	0.248	0.000	4.20	1.88	6.9748		2.90	NO
15	11	L-PFOA	413 > 368.7	1.36e3	8.14e3	0.248	0.000	4.26	2.08	8.0735		3.73	NO
16	69	Total PFOA	413 > 368.7	1.36e3	8.14e3	0.248			2.08	8.0735			
17	42	18O2-PFHxS	403.0 > 10...	8.19e2	2.02e3	0.248	0.406	3.89	5.07	50.0819	99.2		
18	42	18O2-PFHxS	403.0 > 10...	8.19e2	2.02e3	0.248	0.406	3.89	5.07	50.0819	99.2		
19	43	13C2-6:2 FTS	429.1 > 40...	1.67e3	9.61e3	0.248	0.174	4.20	2.17	41.2366	81.7		
20	44	13C2-PFOA	414.9 > 36...	8.14e3	9.61e3	0.248	0.846	4.26	10.6	45.1832	89.5		
21	44	13C2-PFOA	414.9 > 36...	8.14e3	9.61e3	0.248	0.846	4.26	10.6	45.1832	89.5		
22	-1												
23	13	PFHpS	449 > 80.0	2.19e1	2.67e3	0.248	0.000	4.37	0.102	0.4237		0.393	YES
24	14	PFNA	463.0 > 41...	2.10e4	8.28e3	0.248	0.000	4.70	31.7	110.7693		4.36	NO
25	15	PFOSA	498.2 > 77.9		2.96e3	0.248							
26	16	L-PFOS	499.1 > 79.9	6.65e2	2.67e3	0.248	0.000	4.78	3.11	14.2270		1.71	YES
27	70	Total PFOS	499.1 > 79.9	6.65e2	2.67e3	0.248			3.11	14.2270			
28	47	13C8-PFOS	507.0 > 79.9	2.67e3	2.46e3	0.248	1.09	4.78	13.6	49.4139	97.9		
29	45	13C5-PFNA	468.2 > 42...	8.28e3	9.88e3	0.248	0.838	4.70	10.5	43.1846	85.5		
30	46	13C8-PFOSA	506.1 > 77.7	2.96e3	1.21e4	0.248	0.244	4.75	3.05	40.6388	80.5		
31	47	13C8-PFOS	507.0 > 79.9	2.67e3	2.46e3	0.248	1.09	4.78	13.6	49.4139	97.9		
32	47	13C8-PFOS	507.0 > 79.9	2.67e3	2.46e3	0.248	1.09	4.78	13.6	49.4139	97.9		
33	-1												
34	18	PFDA	513 > 468.8	5.18e2	7.26e3	0.248	0.000	5.07	0.892	2.7859		7.25	NO
35	19	8:2 FTS	527 > 506.9	1.84e1	1.48e3	0.248	0.000	5.05	0.156	0.9483		1.85	NO
36	21	L-MeFOSAA	570.1 > 419		2.28e3	0.248							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.28e3	0.248			0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-68.qld

MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:24:40 Pacific Daylight Time
Printed: Thursday, July 19, 2018 15:24:52 Pacific Daylight Time

Name: 180713M2_68, Date: 14-Jul-2018, Time: 04:03:15, ID: 1801486-08 SA-SW204-20180626 0.24756, Description: SA-SW204-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	1.63e3	9.27e3	0.248	0.000	5.39	2.19	8.1712		10.4	NO
39	48	13C2-PFDA	515.1 > 46...	7.26e3	9.29e3	0.248	0.782	5.07	9.78	39.2255	77.7		
40	49	13C2-8:2 FTS	529.1 > 50...	1.48e3	7.99e3	0.248	0.185	5.04	2.31	47.8046	94.7		
41	50	d3-N-MeFOSAA	573.3 > 419	2.28e3	1.21e4	0.248	0.188	5.22	2.35	36.7254	72.7		
42	50	d3-N-MeFOSAA	573.3 > 419	2.28e3	1.21e4	0.248	0.188	5.22	2.35	36.7254	72.7		
43	52	13C2-PFUdA	565 > 519.8	9.27e3	1.21e4	0.248	0.764	5.39	9.55	42.6034	84.4		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		2.89e3	0.248							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	2.89e3	0.248			0.000				
47	26	PFDS	598.8 > 80		9.27e3	0.248							
48	27	PFDoA	612.9 > 56...		9.22e3	0.248							
49	29	PFTrDA	662.9 > 61...		9.22e3	0.248							
50	51	d5-N-EtFOSAA	589.3 > 419	2.89e3	1.21e4	0.248	0.238	5.37	2.97	42.9231	85.0		
51	51	d5-N-EtFOSAA	589.3 > 419	2.89e3	1.21e4	0.248	0.238	5.37	2.97	42.9231	85.0		
52	52	13C2-PFUdA	565 > 519.8	9.27e3	1.21e4	0.248	0.764	5.39	9.55	42.6034	84.4		
53	53	13C2-PFDoA	615.0 > 56...	9.22e3	9.29e3	0.248	0.992	5.68	12.4	39.7017	78.6		
54	53	13C2-PFDoA	615.0 > 56...	9.22e3	9.29e3	0.248	0.992	5.68	12.4	39.7017	78.6		
55	-1												
56	30	PFTeDA	712.9 > 66...		6.70e3	0.248							
57	73	TCDA	498.3>106.9			0.248							
58	60	13C4-PFBA	217. > 171.8	7.27e3	7.27e3	0.248	1.00	1.32	12.5	50.4928	100.0		
59	61	13C5-PFHxA	318 > 272.9	7.99e3	7.99e3	0.248	1.00	3.12	12.5	50.4928	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	2.02e3	2.02e3	0.248	1.00	3.89	12.5	50.4928	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	6.70e3	1.21e4	0.248	0.552	6.13	6.90	48.5585	96.2		
62	47	13C8-PFOS	507.0 > 79.9	2.67e3	2.46e3	0.248	1.09	4.78	13.6	49.4139	97.9		
63	63	13C8-PFOA	421.3 > 376	9.61e3	9.61e3	0.248	1.00	4.26	12.5	50.4928	100.0		
64	64	13C9-PFNA	472.2 > 42...	9.88e3	9.88e3	0.248	1.00	4.69	12.5	50.4928	100.0		
65	65	13C4-PFOS	503 > 79.9	2.46e3	2.46e3	0.248	1.00	4.78	12.5	50.4928	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	9.29e3	9.29e3	0.248	1.00	5.07	12.5	50.4928	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.21e4	1.21e4	0.248	1.00	5.39	12.5	50.4928	100.0		

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-68.qld

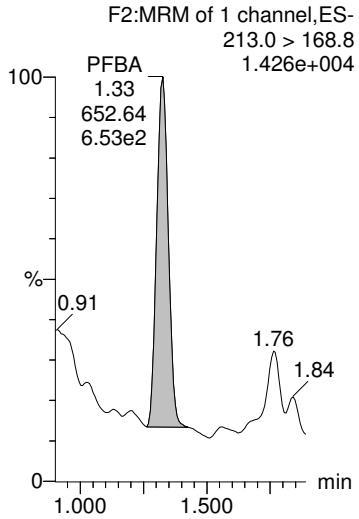
MMM 7/20/2018

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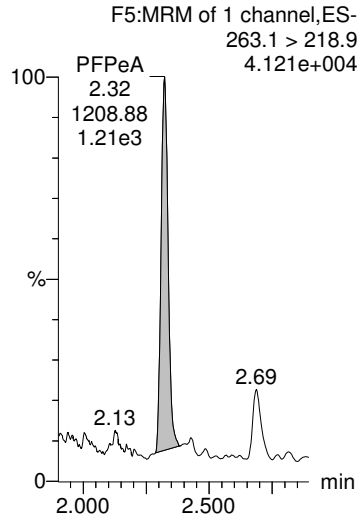
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Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

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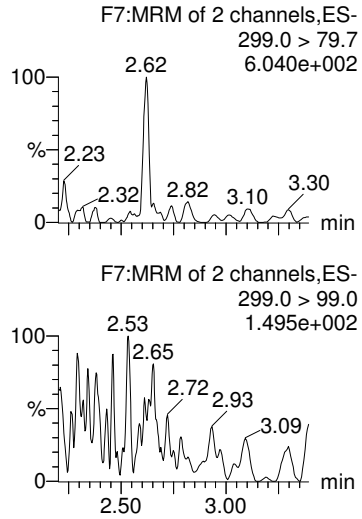
PFBA



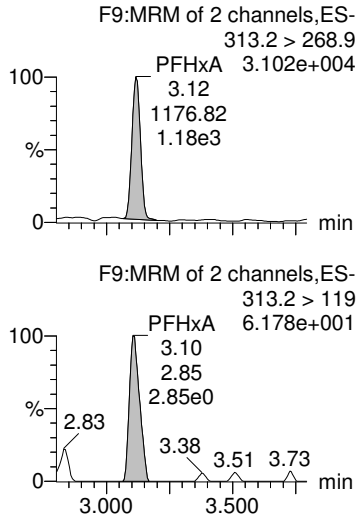
PFPeA



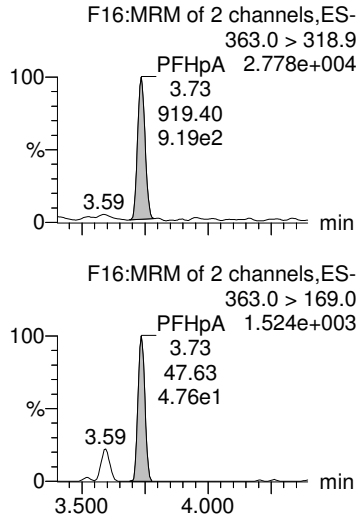
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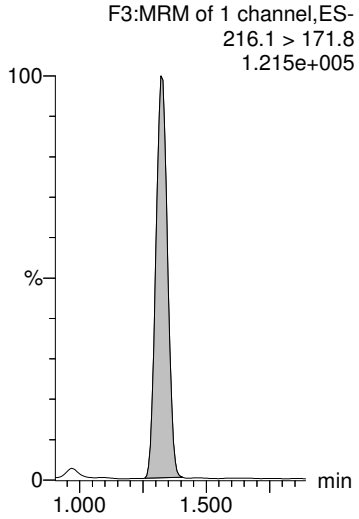
PFHxA



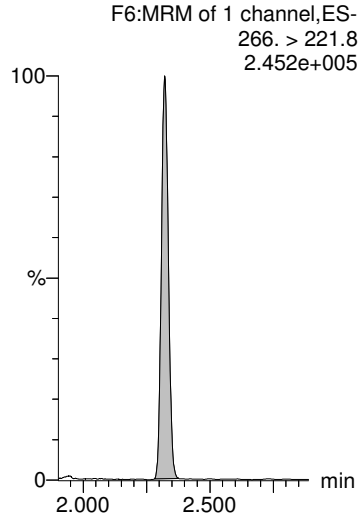
PFHpA



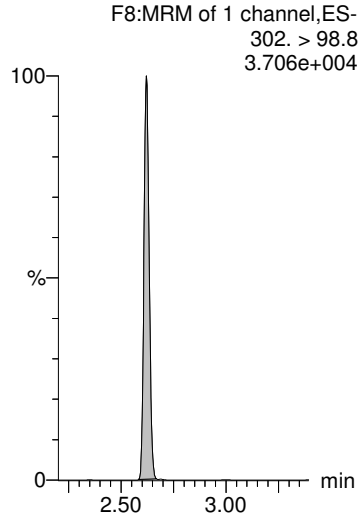
13C3-PFBA



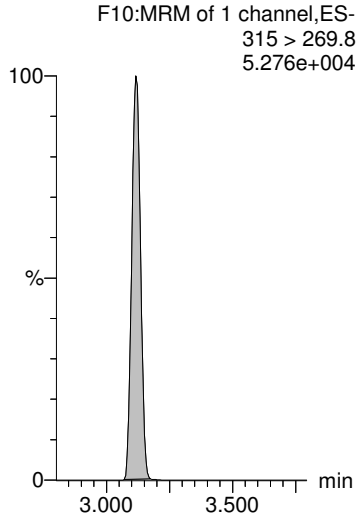
13C3-PFPeA



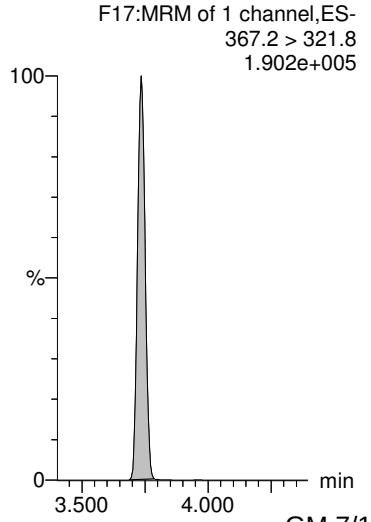
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13C2-PFHxA



13C4-PFHpA



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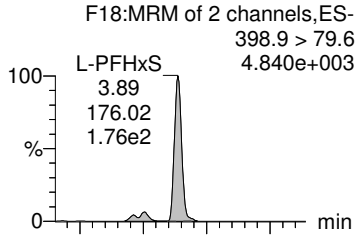
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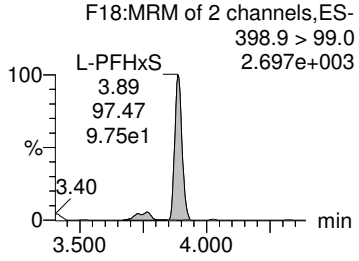
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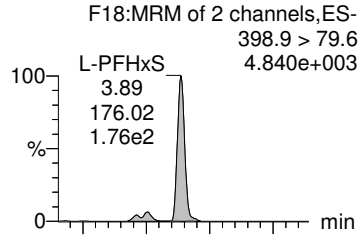
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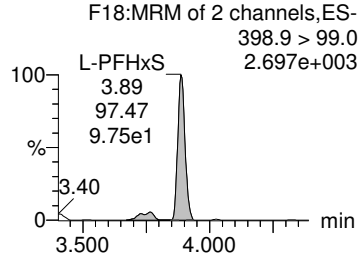
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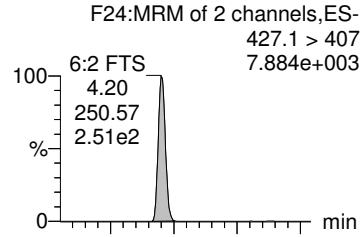


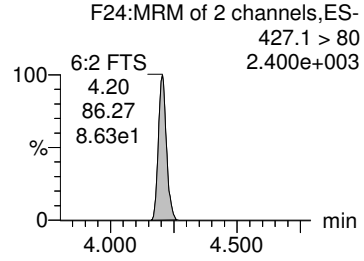
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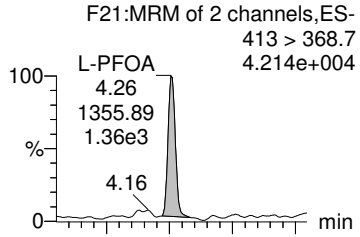


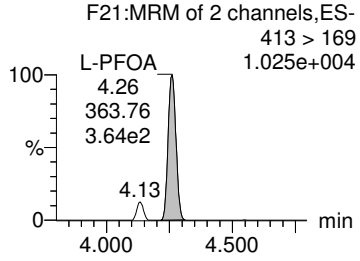
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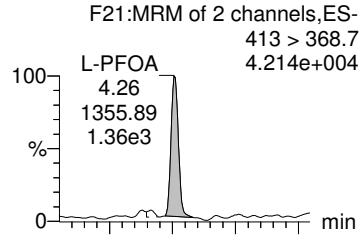


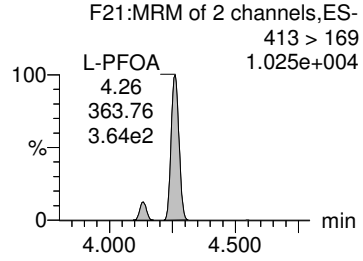
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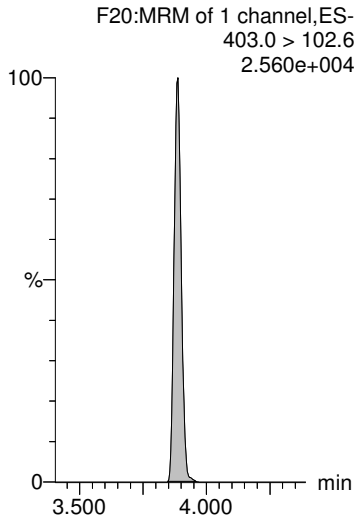


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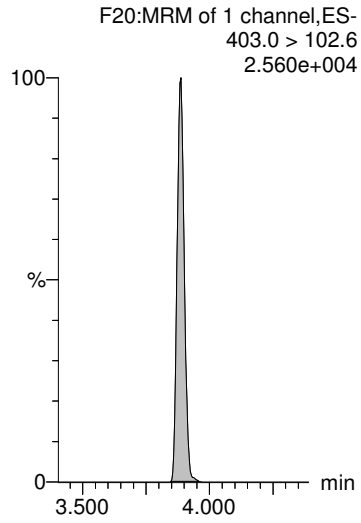




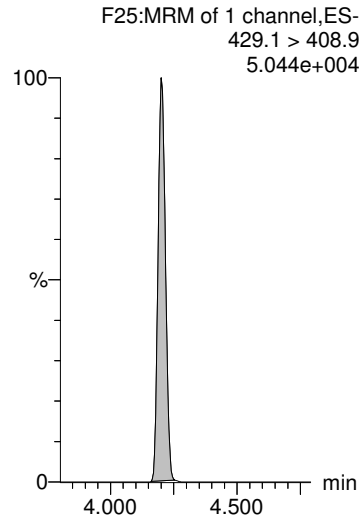
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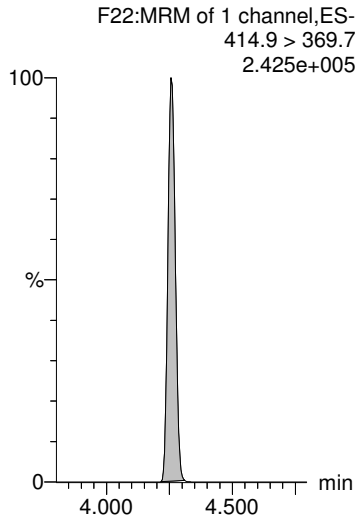
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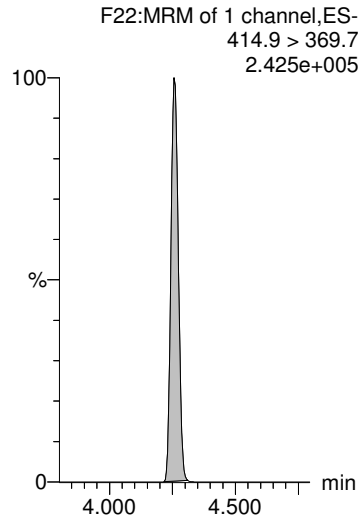
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



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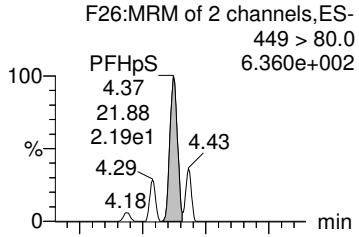
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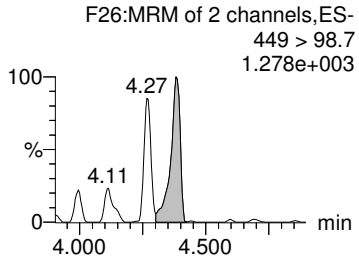
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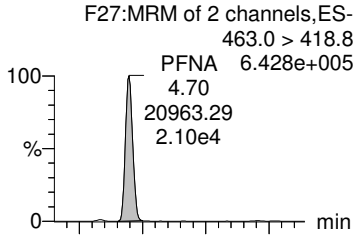
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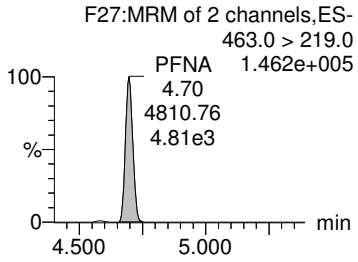
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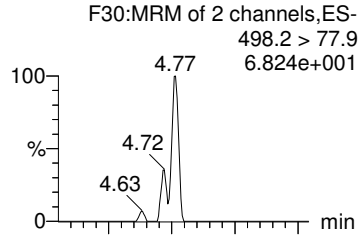


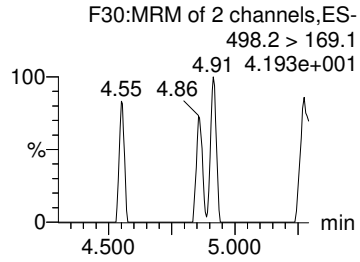
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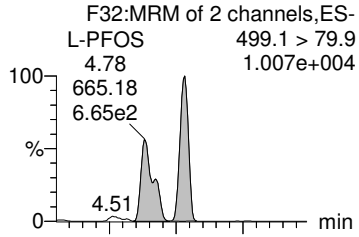


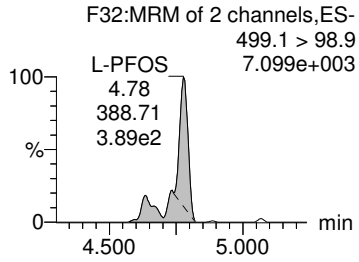
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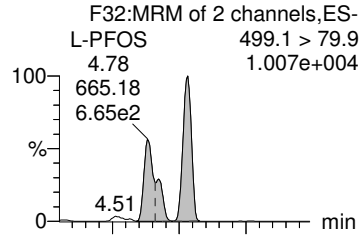


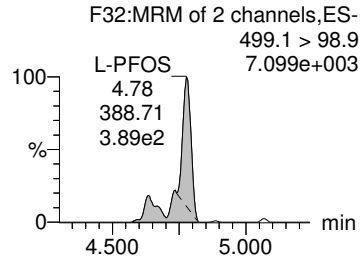
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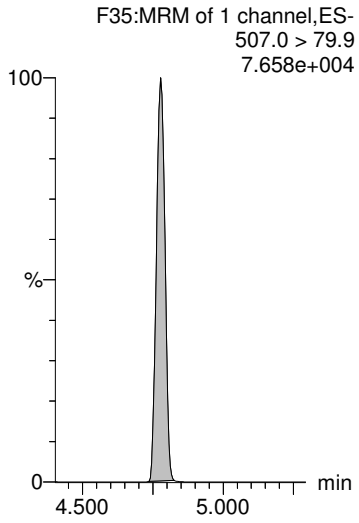


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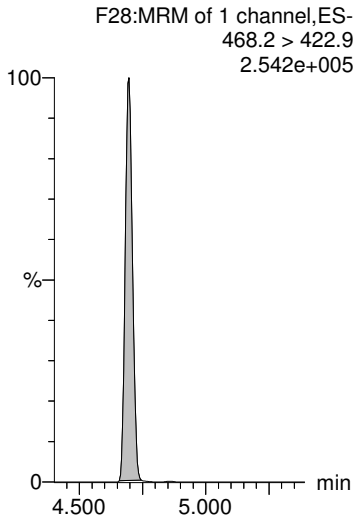




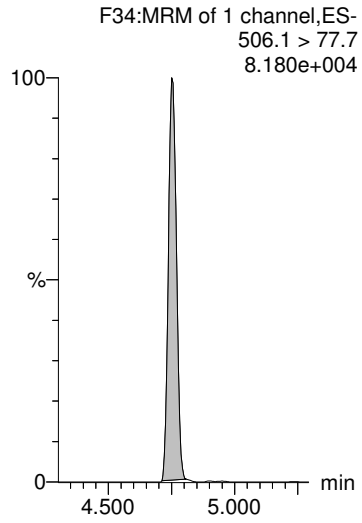
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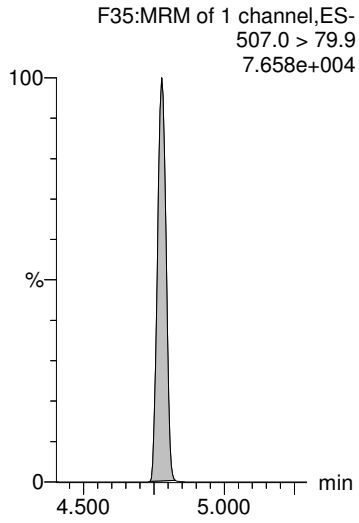
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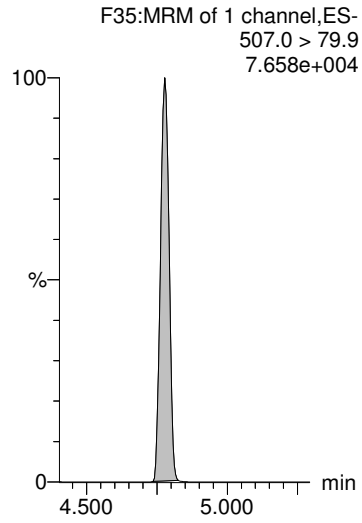
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13C8-PFOS



13C8-PFOS



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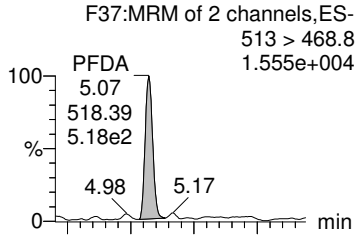
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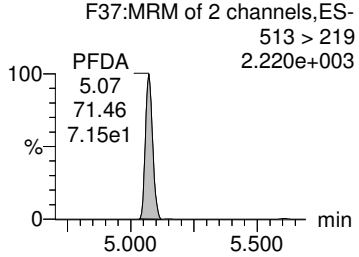
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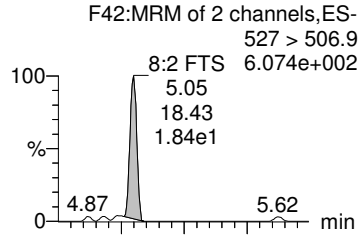
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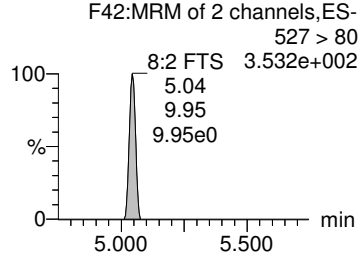
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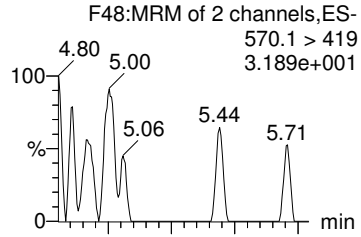


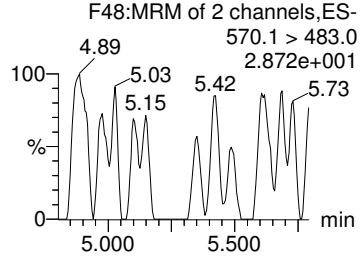
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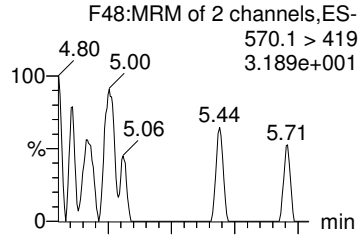


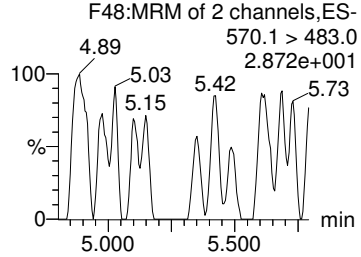
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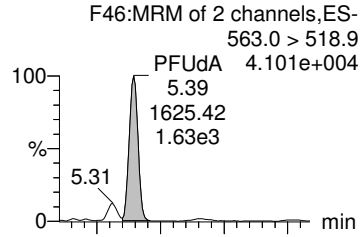


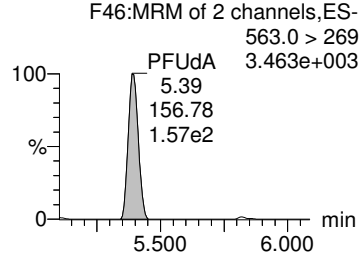
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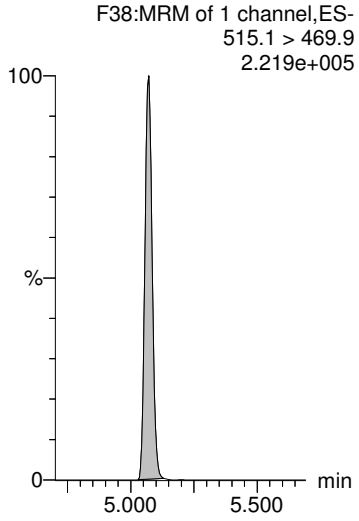


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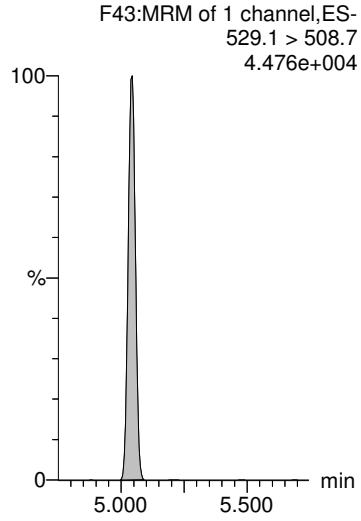




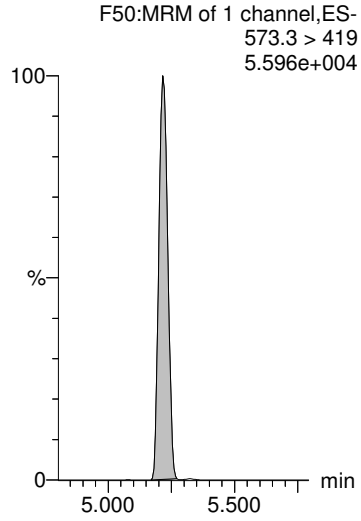
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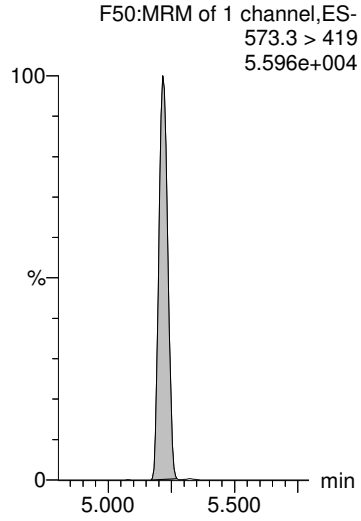
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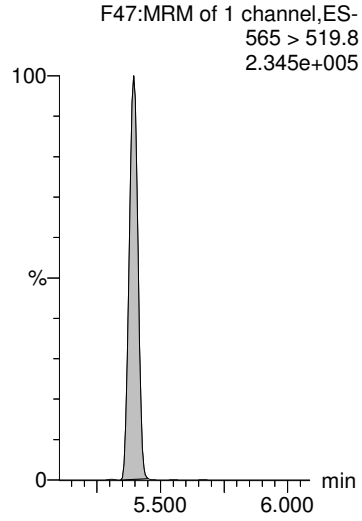
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d3-N-MeFOSAA



13C2-PFUdA



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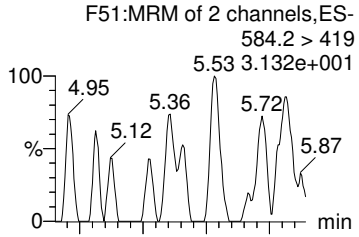
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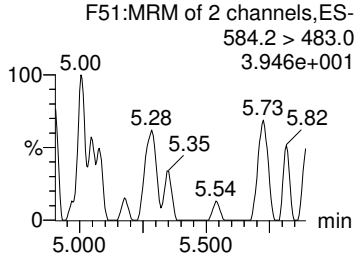
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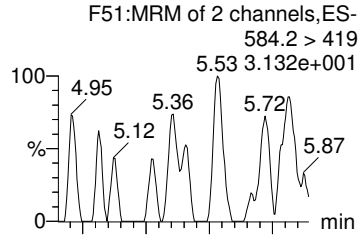
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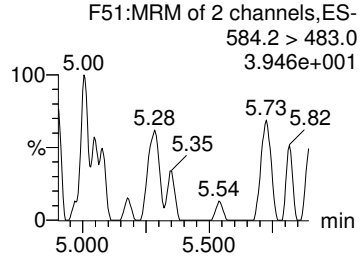
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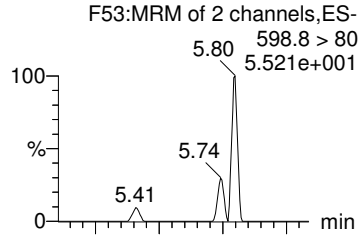


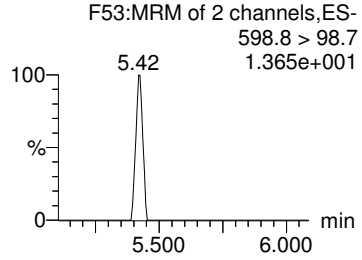
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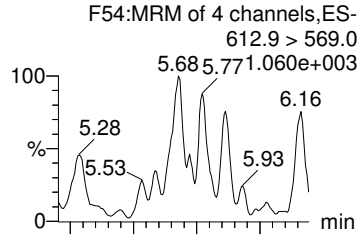


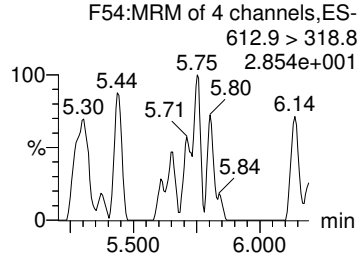
PFDS



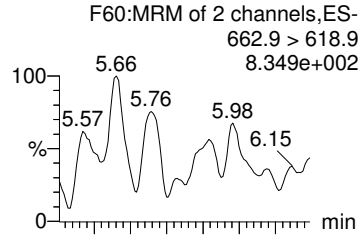


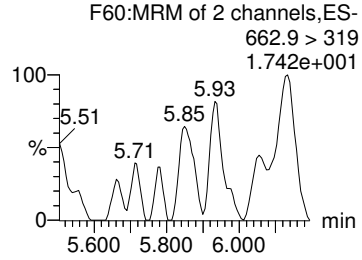
PFDoA



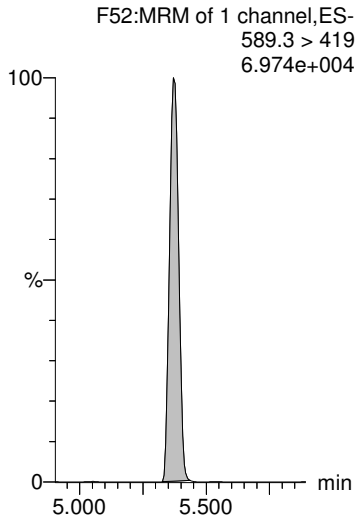


PFTrDA

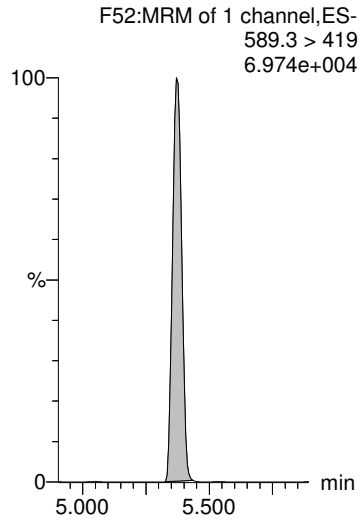




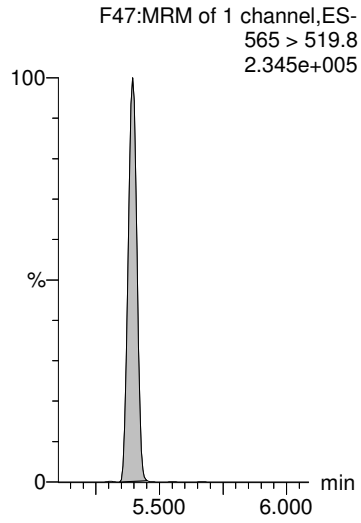
d5-N-EtFOSAA



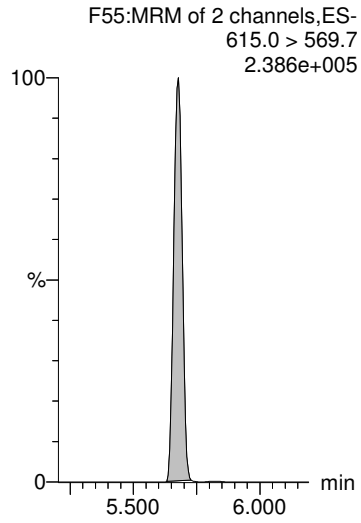
d5-N-EtFOSAA



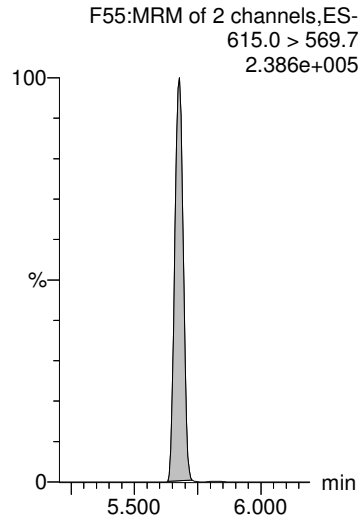
13C2-PFUdA



13C2-PFDoA



13C2-PFDoA



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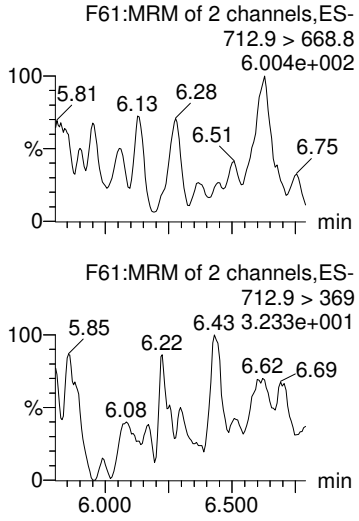
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MMM 7/20/2018

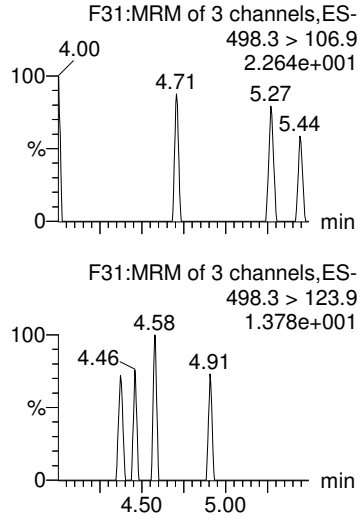
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Name: 180713M2_68, Date: 14-Jul-2018, Time: 04:03:15, ID: 1801486-08 SA-SW204-20180626 0.24756, Description: SA-SW204-20180626

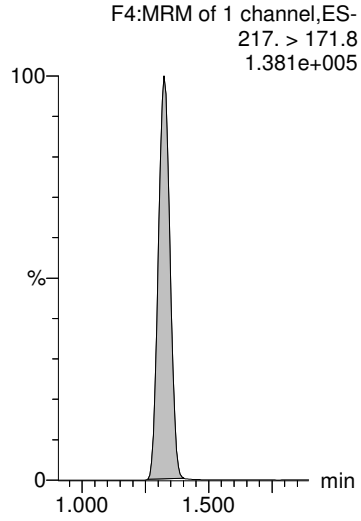
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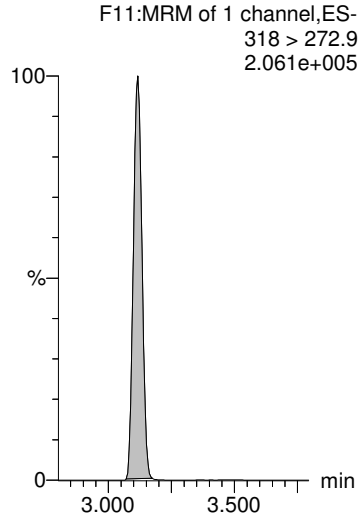
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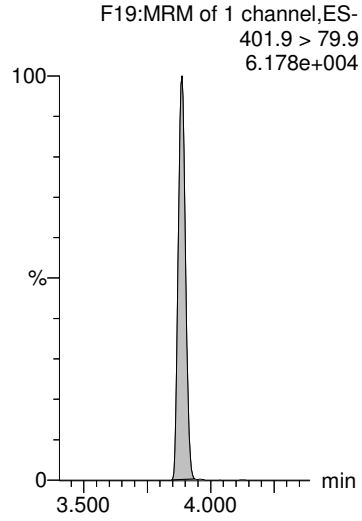
13C4-PFBA



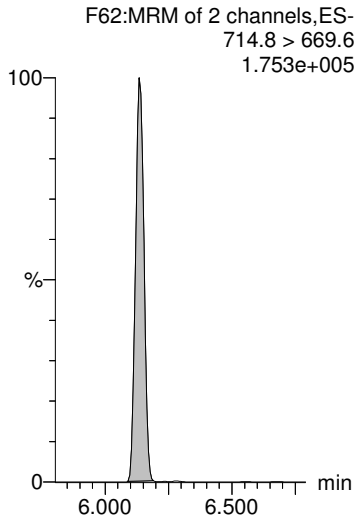
13C5-PFHxA



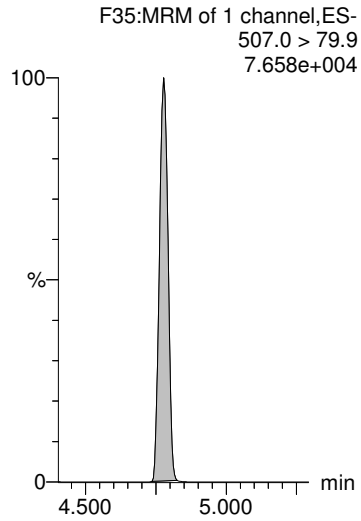
13C3-PFHxS



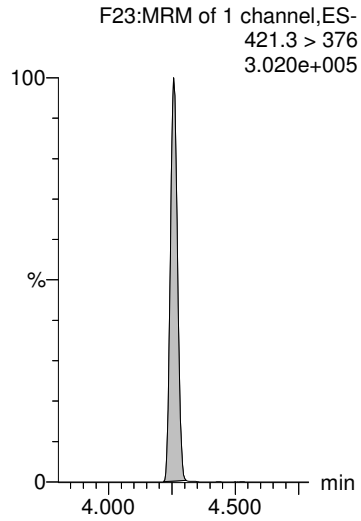
13C2-PFTeDA



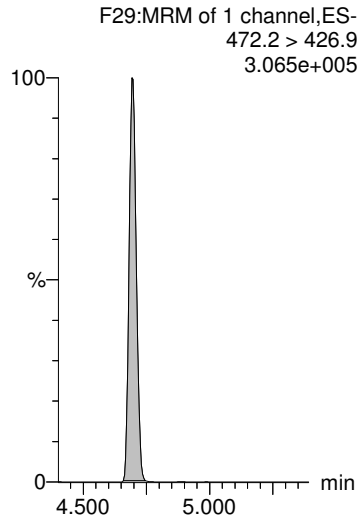
13C8-PFOS



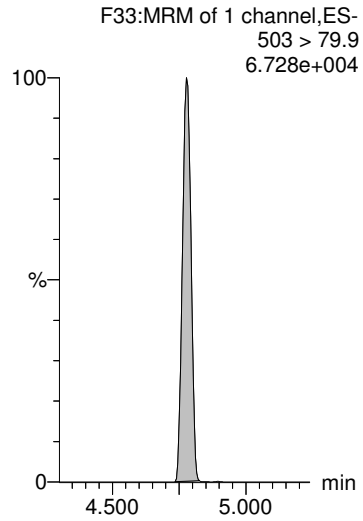
13C8-PFOA



13C9-PFNA



13C4-PFOS



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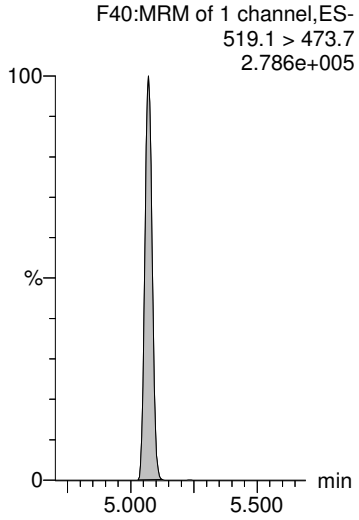
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MMM 7/20/2018

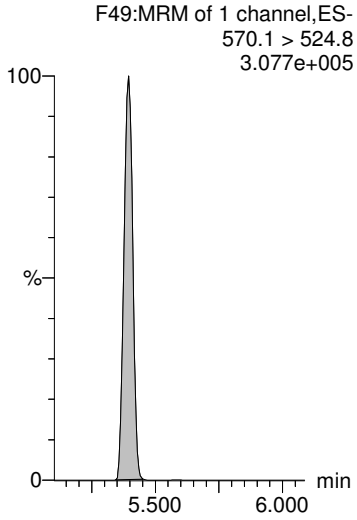
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Name: 180713M2_68, Date: 14-Jul-2018, Time: 04:03:15, ID: 1801486-08 SA-SW204-20180626 0.24756, Description: SA-SW204-20180626

13C6-PFDA



13C7-PFUdA



GM 7/19/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-69.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:27:07 Pacific Daylight Time
Printed: Thursday, July 19, 2018 15:27:29 Pacific Daylight Time

Name: 180713M2_69, Date: 14-Jul-2018, Time: 04:13:39, ID: 1801486-09 SA-SW301-20180626 0.25221, Description: SA-SW301-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	4.02e2	5.76e3	0.252	0.000	1.33	0.871	3.1245			
2	2	PFPeA	263.1 > 21...	2.46e2	7.11e3	0.252	0.000	2.32	0.432	1.7442			
3	3	PFBS	299.0 > 79.7		9.13e2	0.252							
4	5	PFHxA	313.2 > 26...	3.01e2	2.07e3	0.252	0.000	3.12	0.727	1.7084		47.3	YES
5	7	PFHpA	363.0 > 31...	3.70e2	5.71e3	0.252	0.000	3.74	0.809	2.8111		23.7	YES
6	36	13C3-PFBA	216.1 > 17...	5.76e3	6.63e3	0.252	0.869	1.32	10.9	47.0147	94.9		
7	37	13C3-PFPeA	266. > 221.8	7.11e3	7.64e3	0.252	0.931	2.32	11.6	46.6678	94.2		
8	38	13C3-PFBS	302. > 98.8	9.13e2	7.64e3	0.252	0.120	2.62	1.49	49.4058	99.7		
9	40	13C2-PFHxA	315 > 269.8	2.07e3	7.64e3	0.252	0.677	3.12	3.39	18.0020	90.8		
10	41	13C4-PFHpA	367.2 > 32...	5.71e3	7.64e3	0.252	0.748	3.73	9.35	45.7232	92.3		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	4.79e0	7.90e2	0.252	0.000	3.90	0.0759	0.3968		0.493	YES
13	68	Total PFHxS	398.9 > 79.6	4.79e0	7.90e2	0.252			0.0759	0.3968			
14	10	6:2 FTS	427.1 > 407		1.63e3	0.252							
15	11	L-PFOA	413 > 368.7	8.78e2	7.15e3	0.252	0.000	4.26	1.54	5.8333		3.51	NO
16	69	Total PFOA	413 > 368.7	8.78e2	7.15e3	0.252			1.54	5.8333			
17	42	18O2-PFHxS	403.0 > 10...	7.90e2	1.79e3	0.252	0.442	3.89	5.52	53.5449	108.0		
18	42	18O2-PFHxS	403.0 > 10...	7.90e2	1.79e3	0.252	0.442	3.89	5.52	53.5449	108.0		
19	43	13C2-6:2 FTS	429.1 > 40...	1.63e3	8.62e3	0.252	0.189	4.20	2.37	44.1364	89.1		
20	44	13C2-PFOA	414.9 > 36...	7.15e3	8.62e3	0.252	0.829	4.26	10.4	43.4502	87.7		
21	44	13C2-PFOA	414.9 > 36...	7.15e3	8.62e3	0.252	0.829	4.26	10.4	43.4502	87.7		
22	-1												
23	13	PFHpS	449 > 80.0	6.98e0	2.17e3	0.252	0.000	4.38	0.0403	0.1075		0.650	YES
24	14	PFNA	463.0 > 41...	8.73e3	7.04e3	0.252	0.000	4.70	15.5	53.1978		4.52	NO
25	15	PFOSA	498.2 > 77.9		2.92e3	0.252							
26	16	L-PFOS	499.1 > 79.9	1.59e2	2.17e3	0.252	0.000	4.78	0.914	3.5621		1.66	YES
27	70	Total PFOS	499.1 > 79.9	1.59e2	2.17e3	0.252			0.914	3.5621			
28	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.15e3	0.252	1.01	4.78	12.6	45.0433	90.9		
29	45	13C5-PFNA	468.2 > 42...	7.04e3	8.93e3	0.252	0.788	4.70	9.85	39.8889	80.5		
30	46	13C8-PFOSA	506.1 > 77.7	2.92e3	1.20e4	0.252	0.244	4.75	3.05	39.8983	80.5		
31	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.15e3	0.252	1.01	4.78	12.6	45.0433	90.9		
32	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.15e3	0.252	1.01	4.78	12.6	45.0433	90.9		
33	-1												
34	18	PFDA	513 > 468.8	5.45e3	6.93e3	0.252	0.000	5.07	9.82	30.2379		6.01	NO
35	19	8:2 FTS	527 > 506.9		1.22e3	0.252							
36	21	L-MeFOSAA	570.1 > 419		2.56e3	0.252							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.56e3	0.252			0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-69.qld MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:27:07 Pacific Daylight Time
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Name: 180713M2_69, Date: 14-Jul-2018, Time: 04:13:39, ID: 1801486-09 SA-SW301-20180626 0.25221, Description: SA-SW301-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	1.21e4	8.84e3	0.252	0.000	5.39	17.0	63.2860		12.5	NO
39	48	13C2-PFDA	515.1 > 46...	6.93e3	8.33e3	0.252	0.832	5.07	10.4	40.9479	82.6		
40	49	13C2-8:2 FTS	529.1 > 50...	1.22e3	7.64e3	0.252	0.160	5.04	2.00	40.5981	81.9		
41	50	d3-N-MeFOSAA	573.3 > 419	2.56e3	1.20e4	0.252	0.214	5.22	2.68	41.0668	82.9		
42	50	d3-N-MeFOSAA	573.3 > 419	2.56e3	1.20e4	0.252	0.214	5.22	2.68	41.0668	82.9		
43	52	13C2-PFUdA	565 > 519.8	8.84e3	1.20e4	0.252	0.740	5.39	9.25	40.5032	81.7		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		3.17e3	0.252							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.17e3	0.252			0.000				
47	26	PFDS	598.8 > 80	4.45e-1	8.84e3	0.252	0.000	5.68	0.000629	0.1053		0.0573	YES
48	27	PFDoA	612.9 > 56...	6.23e2	9.83e3	0.252	0.000	5.67	0.792	2.6167		10.8	NO
49	29	PFTrDA	662.9 > 61...	1.11e3	9.83e3	0.252	0.000	5.92	1.41	4.2044		19.3	NO
50	51	d5-N-EtFOSAA	589.3 > 419	3.17e3	1.20e4	0.252	0.265	5.38	3.31	46.9538	94.7		
51	51	d5-N-EtFOSAA	589.3 > 419	3.17e3	1.20e4	0.252	0.265	5.38	3.31	46.9538	94.7		
52	52	13C2-PFUdA	565 > 519.8	8.84e3	1.20e4	0.252	0.740	5.39	9.25	40.5032	81.7		
53	53	13C2-PFDoA	615.0 > 56...	9.83e3	8.33e3	0.252	1.18	5.68	14.7	46.3171	93.5		
54	53	13C2-PFDoA	615.0 > 56...	9.83e3	8.33e3	0.252	1.18	5.68	14.7	46.3171	93.5		
55	-1												
56	30	PFTeDA	712.9 > 66...	8.02e1	5.58e3	0.252	0.000	6.13	0.180	0.3356		12.5	NO
57	73	TCDA	498.3>106.9			0.252							
58	60	13C4-PFBA	217. > 171.8	6.63e3	6.63e3	0.252	1.00	1.32	12.5	49.5619	100.0		
59	61	13C5-PFHxA	318 > 272.9	7.64e3	7.64e3	0.252	1.00	3.12	12.5	49.5619	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	1.79e3	1.79e3	0.252	1.00	3.89	12.5	49.5619	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	5.58e3	1.20e4	0.252	0.467	6.13	5.84	40.2917	81.3		
62	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.15e3	0.252	1.01	4.78	12.6	45.0433	90.9		
63	63	13C8-PFOA	421.3 > 376	8.62e3	8.62e3	0.252	1.00	4.26	12.5	49.5619	100.0		
64	64	13C9-PFNA	472.2 > 42...	8.93e3	8.93e3	0.252	1.00	4.70	12.5	49.5619	100.0		
65	65	13C4-PFOS	503 > 79.9	2.15e3	2.15e3	0.252	1.00	4.78	12.5	49.5619	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	8.33e3	8.33e3	0.252	1.00	5.07	12.5	49.5619	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.20e4	1.20e4	0.252	1.00	5.39	12.5	49.5619	100.0		

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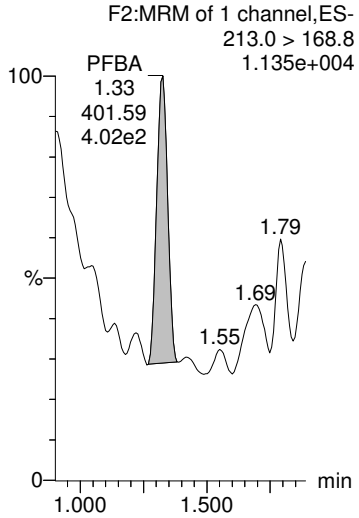
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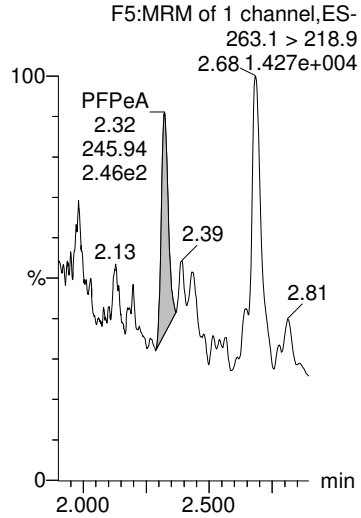
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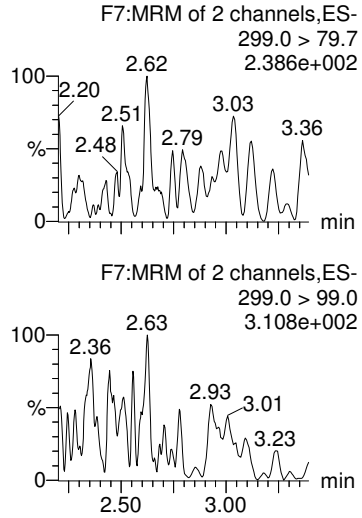
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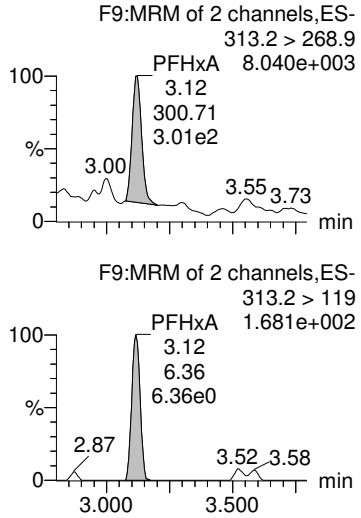
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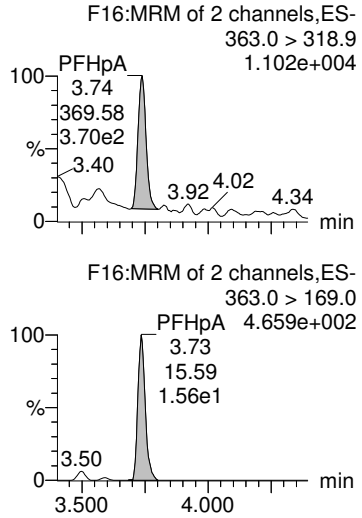
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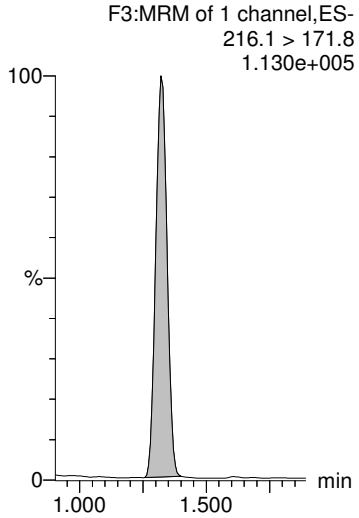
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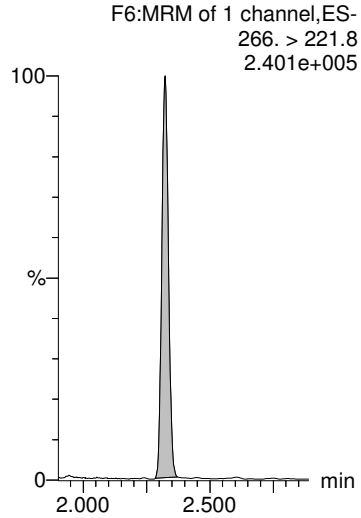
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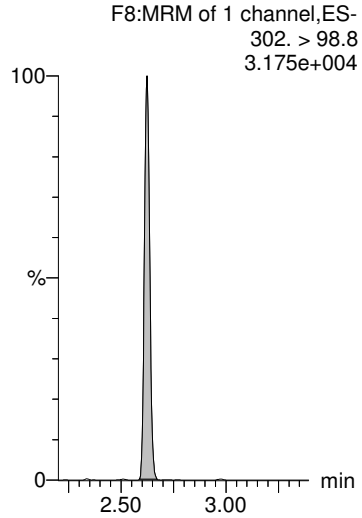
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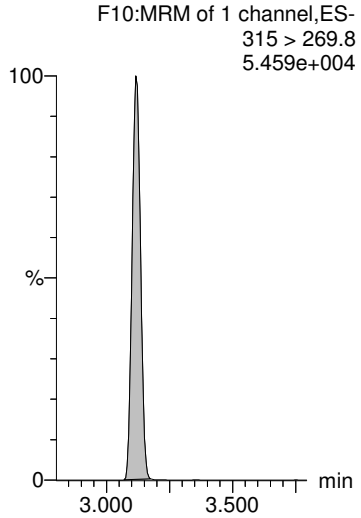
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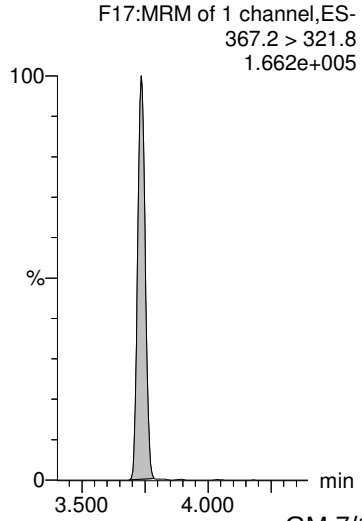
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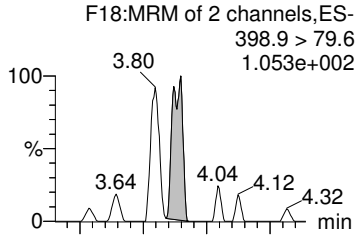
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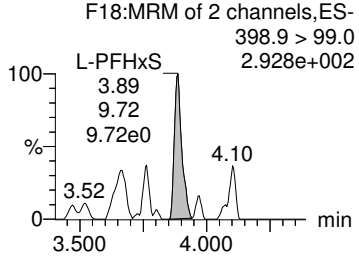
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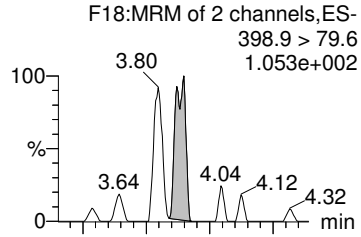
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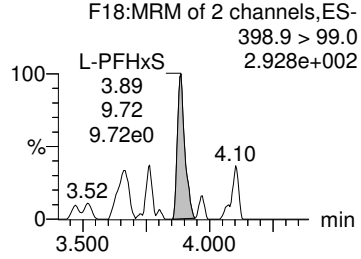
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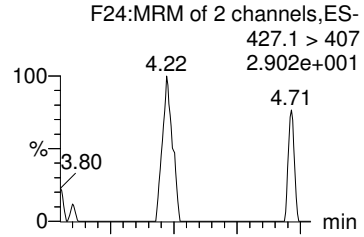


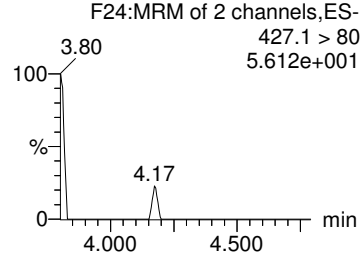
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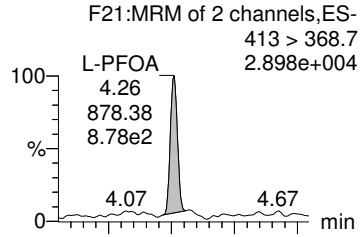


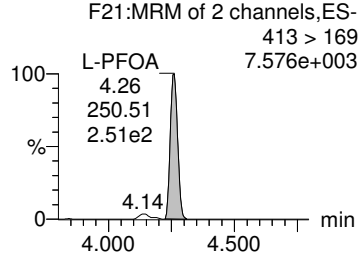
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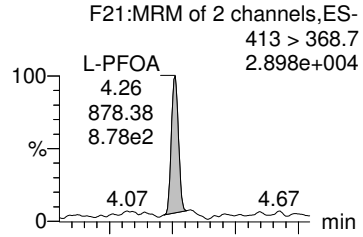


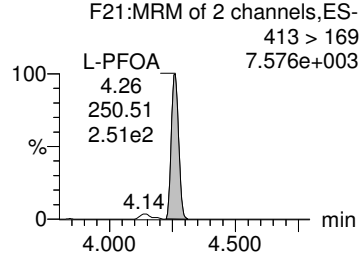
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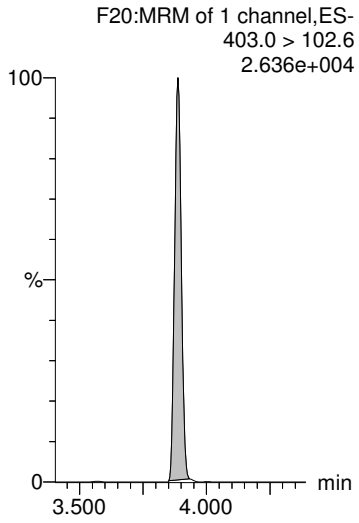


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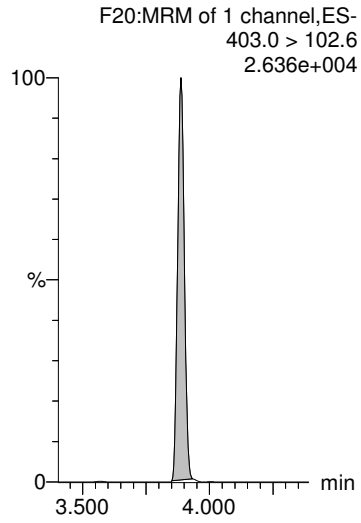




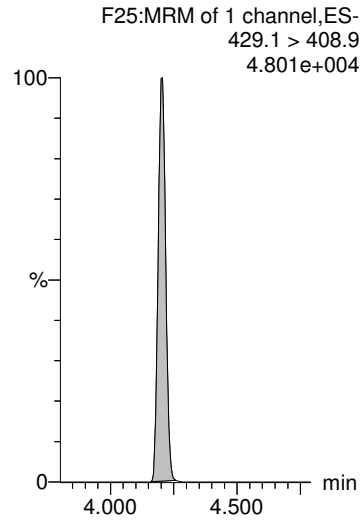
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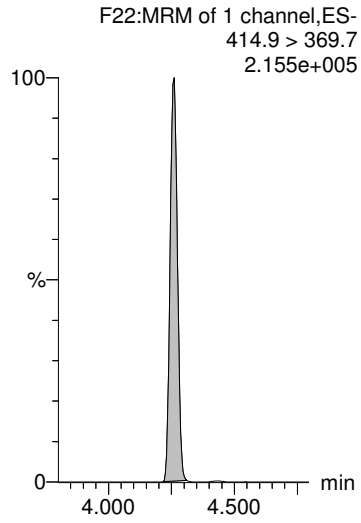
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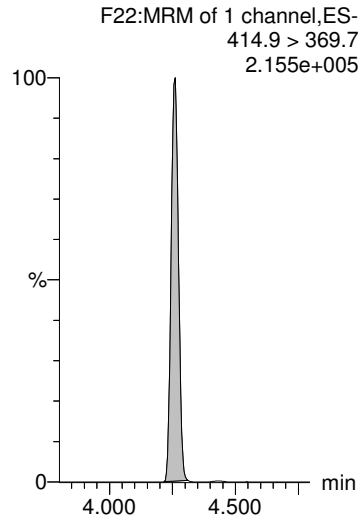
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



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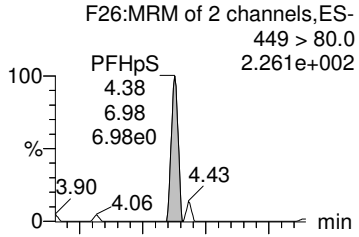
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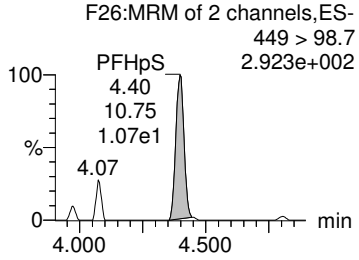
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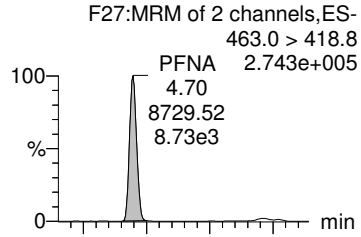
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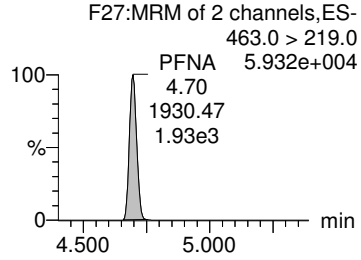
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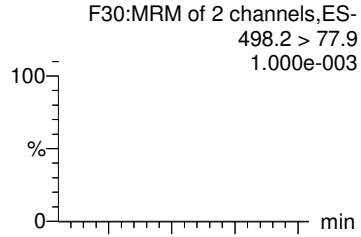


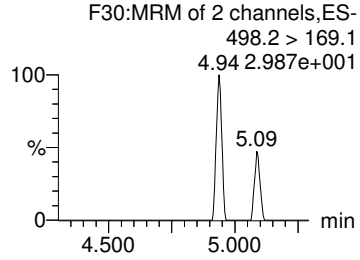
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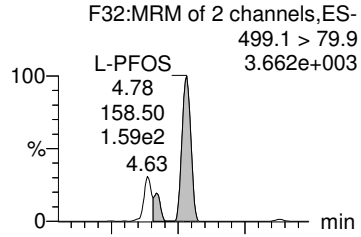


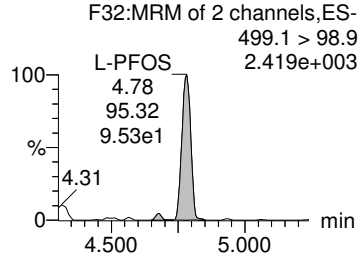
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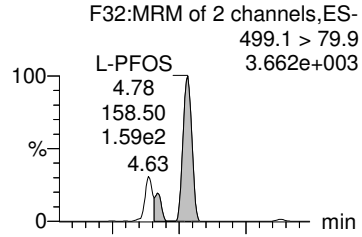


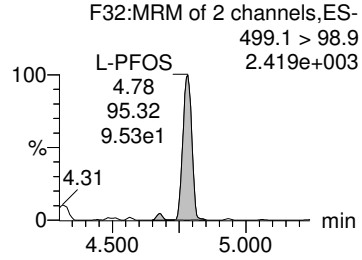
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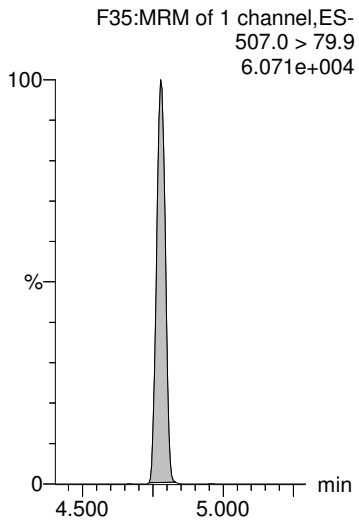


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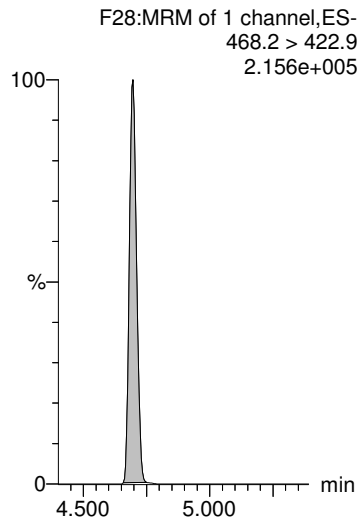




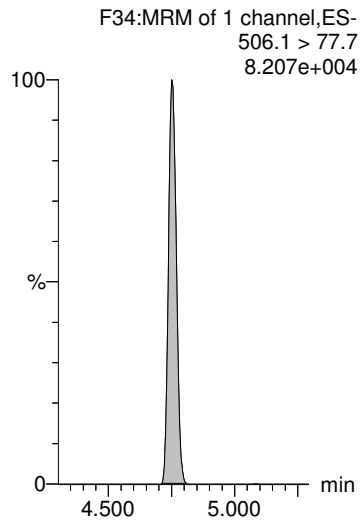
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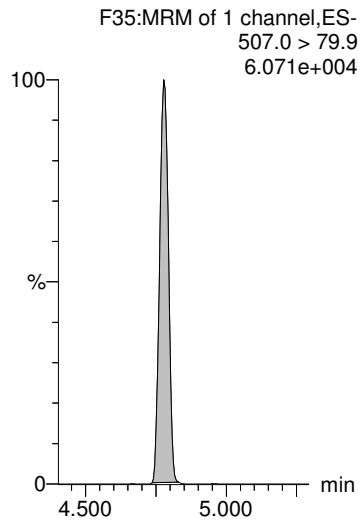
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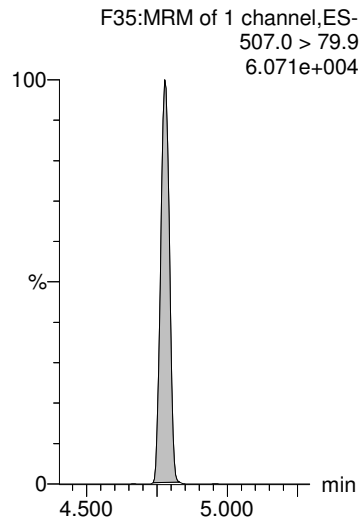
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13C8-PFOS



13C8-PFOS



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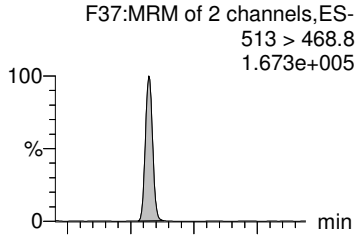
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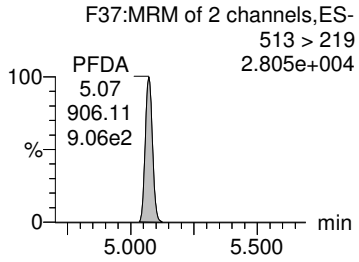
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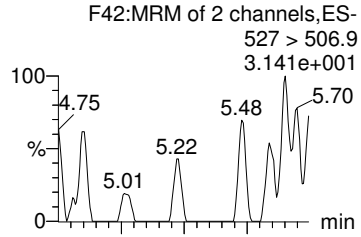
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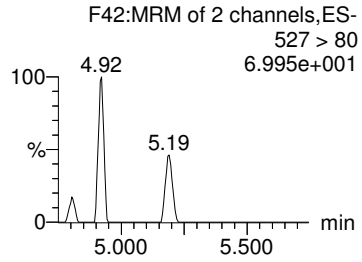
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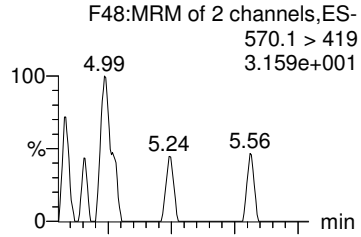


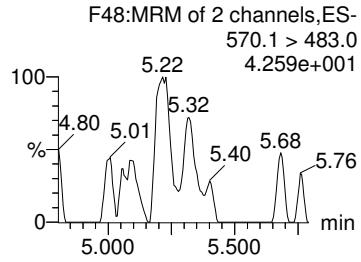
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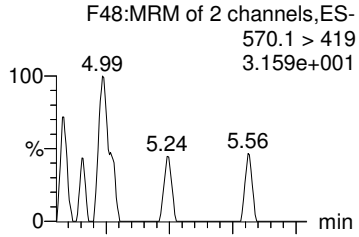


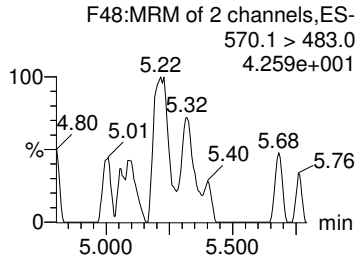
L-MeFOSAA



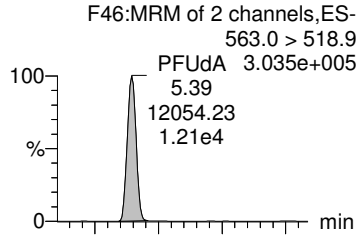


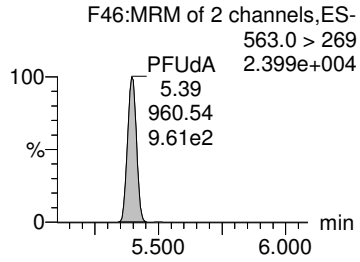
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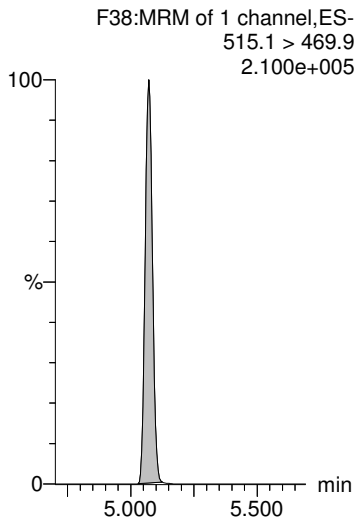


PFUdA

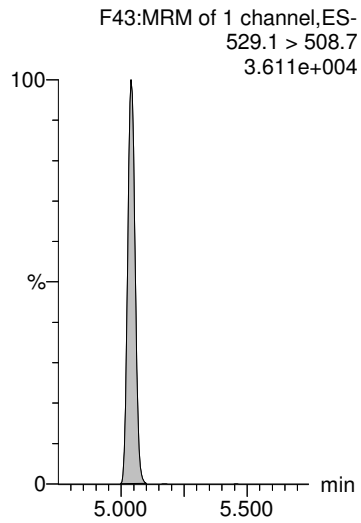




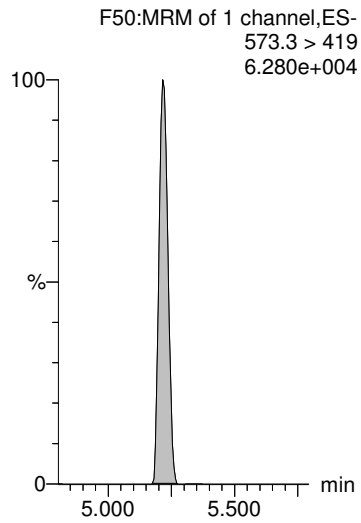
13C2-PFDA



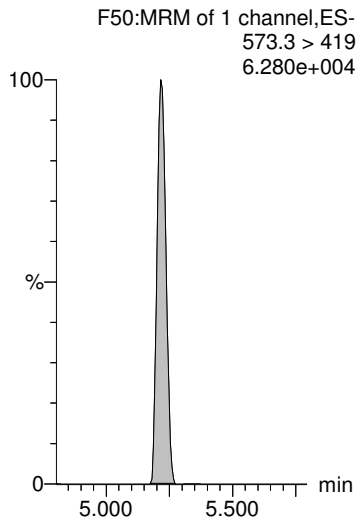
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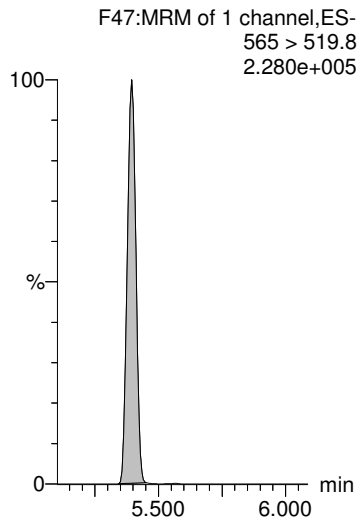
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d3-N-MeFOSAA



13C2-PFUdA



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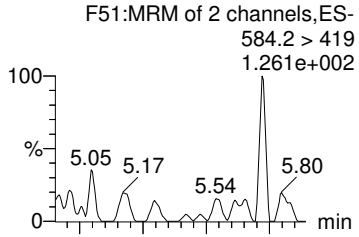
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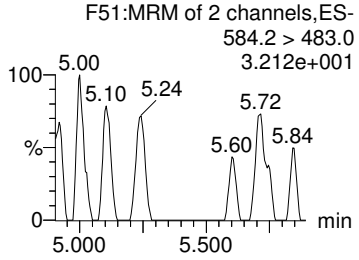
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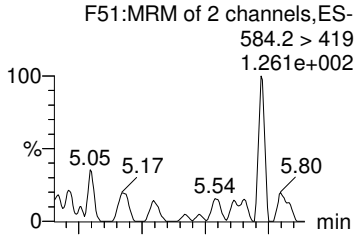
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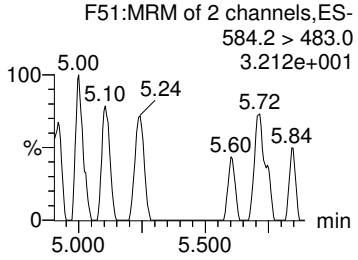
L-EtFOSAA



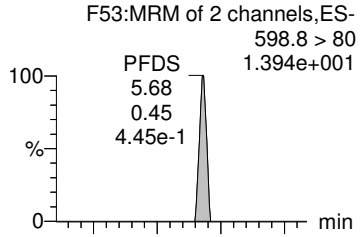


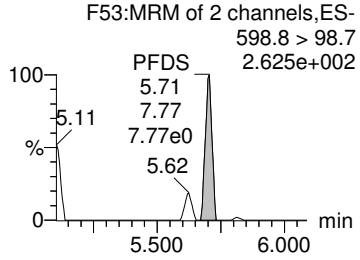
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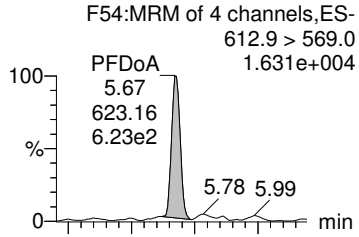


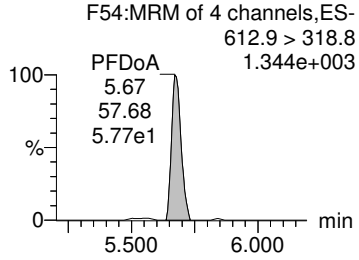
PFDS



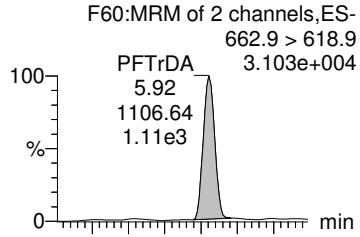


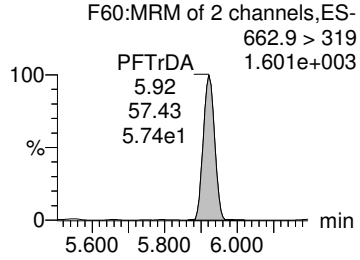
PFDoA



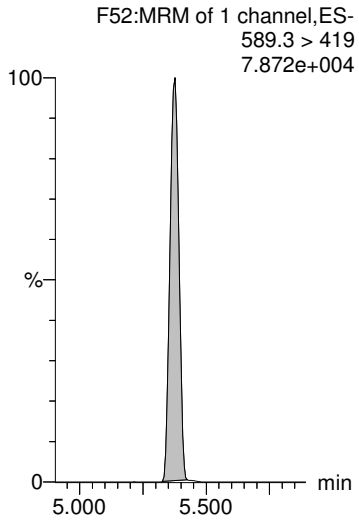


PFTrDA

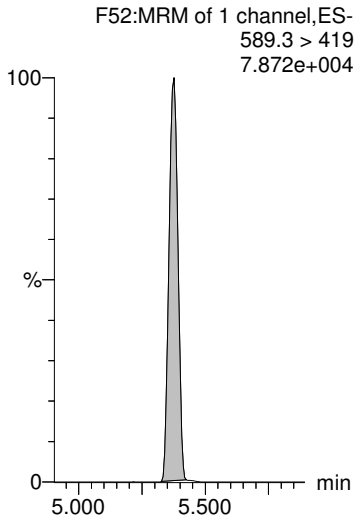




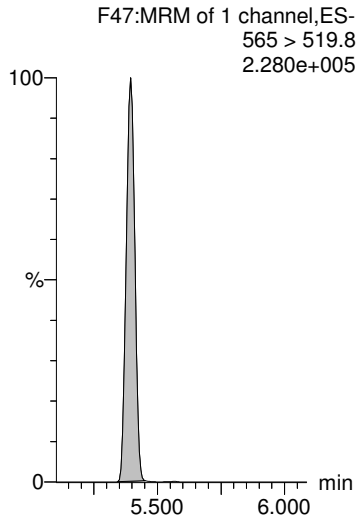
d5-N-EtFOSAA



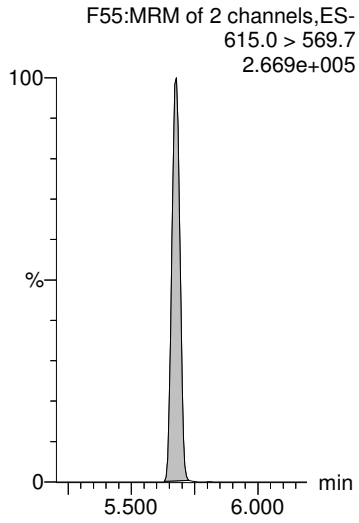
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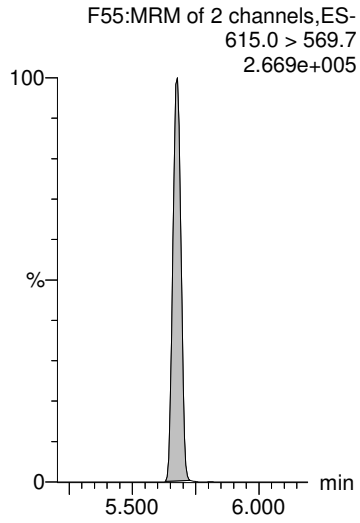
13C2-PFUdA



13C2-PFDoA



13C2-PFDoA



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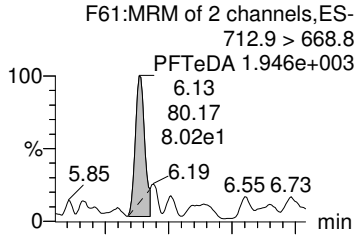
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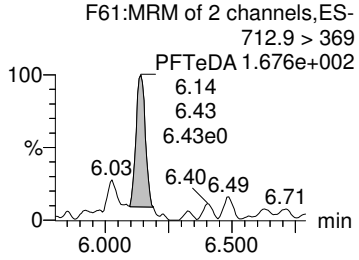
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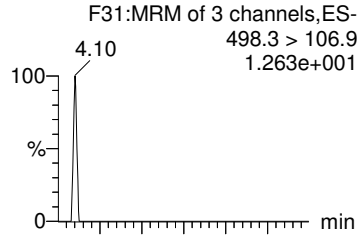
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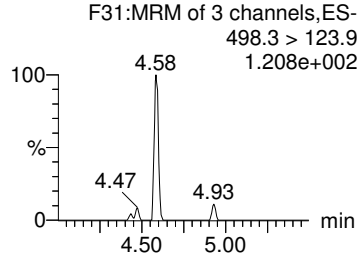
PFTeDA



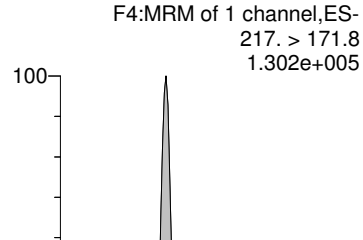


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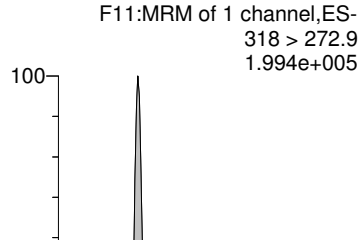




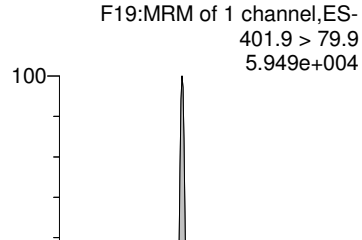
13C4-PFBA



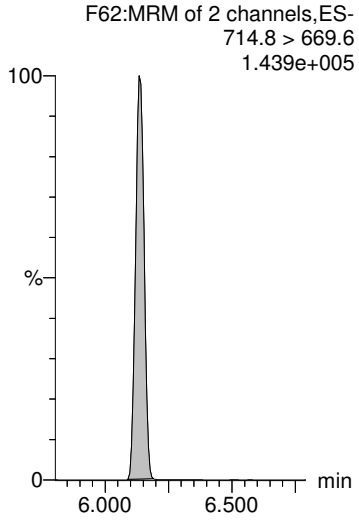
13C5-PFHxA



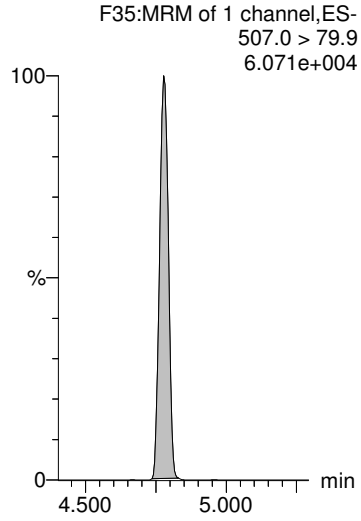
13C3-PFHxS



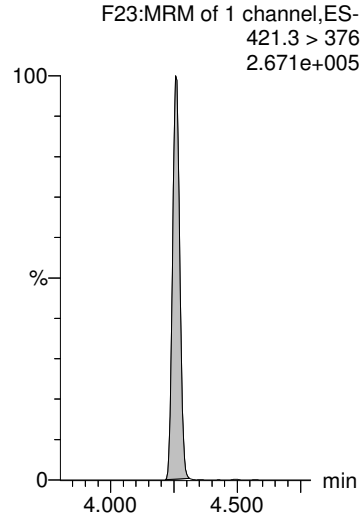
13C2-PFTeDA



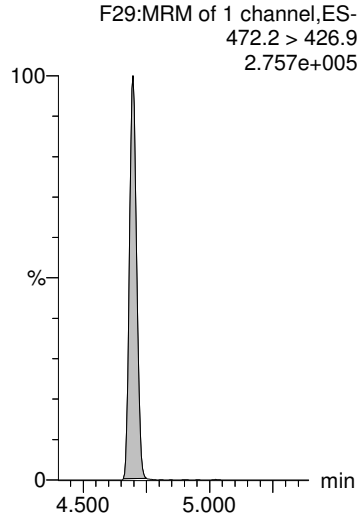
13C8-PFOS



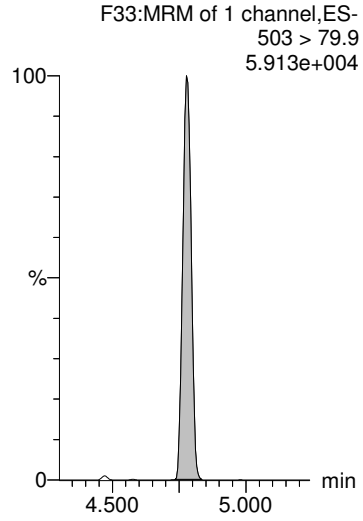
13C8-PFOA



13C9-PFNA



13C4-PFOS



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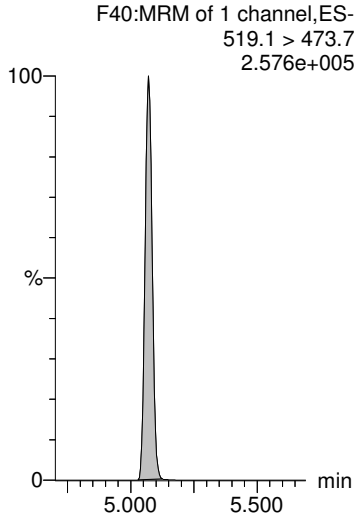
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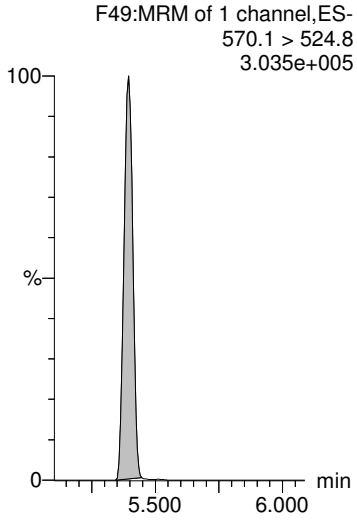
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Name: 180713M2_69, Date: 14-Jul-2018, Time: 04:13:39, ID: 1801486-09 SA-SW301-20180626 0.25221, Description: SA-SW301-20180626

13C6-PFDA



13C7-PFUdA



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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-73.qld MMM 7/20/2018

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Name: 180713M2_73, Date: 14-Jul-2018, Time: 04:55:30, ID: 1801486-10 SA-DUP01-20180626 0.246, Description: SA-DUP01-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	3.83e2	5.94e3	0.246	0.000	1.32	0.806	2.9757			
2	2	PFPeA	263.1 > 21...	2.14e2	7.13e3	0.246	0.000	2.32	0.374	1.5632			
3	3	PFBS	299.0 > 79.7		9.42e2	0.246							
4	5	PFHxA	313.2 > 26...	3.17e2	2.15e3	0.246	0.000	3.12	0.736	1.7751		107	YES
5	7	PFHpA	363.0 > 31...	3.26e2	6.01e3	0.246	0.000	3.73	0.678	2.4191		15.0	NO
6	36	13C3-PFBA	216.1 > 17...	5.94e3	7.08e3	0.246	0.839	1.32	10.5	46.5664	91.6		
7	37	13C3-PFPeA	266. > 221.8	7.13e3	7.99e3	0.246	0.893	2.32	11.2	45.8856	90.3		
8	38	13C3-PFBS	302. > 98.8	9.42e2	7.99e3	0.246	0.118	2.62	1.47	50.0142	98.4		
9	40	13C2-PFHxA	315 > 269.8	2.15e3	7.99e3	0.246	0.673	3.12	3.37	18.3402	90.2		
10	41	13C4-PFHpA	367.2 > 32...	6.01e3	7.99e3	0.246	0.752	3.73	9.40	47.1409	92.8		
11	-1												
12	8	L-PFHxS	398.9 > 79.6		7.14e2	0.246							
13	68	Total PFHxS	398.9 > 79.6	0.00e0	7.14e2	0.246			0.000				
14	10	6:2 FTS	427.1 > 407	1.47e1	1.69e3	0.246	0.000	4.20	0.108	0.2583		3.06	NO
15	11	L-PFOA	413 > 368.7	9.21e2	6.94e3	0.246	0.000	4.26	1.66	6.4634		3.59	NO
16	69	Total PFOA	413 > 368.7	9.21e2	6.94e3	0.246			1.66	6.4634			
17	42	18O2-PFHxS	403.0 > 10...	7.14e2	1.95e3	0.246	0.366	3.89	4.57	45.4375	89.4		
18	42	18O2-PFHxS	403.0 > 10...	7.14e2	1.95e3	0.246	0.366	3.89	4.57	45.4375	89.4		
19	43	13C2-6:2 FTS	429.1 > 40...	1.69e3	8.72e3	0.246	0.194	4.20	2.42	46.3222	91.2		
20	44	13C2-PFOA	414.9 > 36...	6.94e3	8.72e3	0.246	0.796	4.26	9.95	42.7452	84.1		
21	44	13C2-PFOA	414.9 > 36...	6.94e3	8.72e3	0.246	0.796	4.26	9.95	42.7452	84.1		
22	-1												
23	13	PFHpS	449 > 80.0		2.17e3	0.246							
24	14	PFNA	463.0 > 41...	9.02e3	7.01e3	0.246	0.000	4.69	16.1	56.5640		4.42	NO
25	15	PFOSA	498.2 > 77.9		2.71e3	0.246							
26	16	L-PFOS	499.1 > 79.9	1.33e2	2.17e3	0.246	0.000	4.78	0.765	2.9250		2.08	NO
27	70	Total PFOS	499.1 > 79.9	1.33e2	2.17e3	0.246			0.765	2.9250			
28	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.40e3	0.246	0.905	4.78	11.3	41.4622	81.6		
29	45	13C5-PFNA	468.2 > 42...	7.01e3	9.63e3	0.246	0.728	4.69	9.10	37.7797	74.4		
30	46	13C8-PFOSA	506.1 > 77.7	2.71e3	1.11e4	0.246	0.243	4.75	3.04	40.8415	80.4		
31	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.40e3	0.246	0.905	4.78	11.3	41.4622	81.6		
32	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.40e3	0.246	0.905	4.78	11.3	41.4622	81.6		
33	-1												
34	18	PFDA	513 > 468.8	5.03e3	7.05e3	0.246	0.000	5.07	8.92	28.1681		5.56	NO
35	19	8:2 FTS	527 > 506.9		1.32e3	0.246							
36	21	L-MeFOSAA	570.1 > 419		2.63e3	0.246							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.63e3	0.246			0.000				

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Name: 180713M2_73, Date: 14-Jul-2018, Time: 04:55:30, ID: 1801486-10 SA-DUP01-20180626 0.246, Description: SA-DUP01-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	1.17e4	7.94e3	0.246	0.000	5.39	18.4	70.1806		11.2	NO
39	48	13C2-PFDA	515.1 > 46...	7.05e3	9.29e3	0.246	0.760	5.07	9.49	38.3310	75.4		
40	49	13C2-8:2 FTS	529.1 > 50...	1.32e3	7.99e3	0.246	0.166	5.04	2.07	43.1858	85.0		
41	50	d3-N-MeFOSAA	573.3 > 419	2.63e3	1.11e4	0.246	0.237	5.22	2.96	46.4988	91.5		
42	50	d3-N-MeFOSAA	573.3 > 419	2.63e3	1.11e4	0.246	0.237	5.22	2.96	46.4988	91.5		
43	52	13C2-PFUdA	565 > 519.8	7.94e3	1.11e4	0.246	0.715	5.39	8.93	40.1054	78.9		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		3.03e3	0.246							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.03e3	0.246			0.000				
47	26	PFDS	598.8 > 80		7.94e3	0.246							
48	27	PFDoA	612.9 > 56...	5.66e2	9.25e3	0.246	0.000	5.68	0.765	2.6028		16.8	YES
49	29	PFTrDA	662.9 > 61...	9.30e2	9.25e3	0.246	0.000	5.92	1.26	3.8356		18.8	NO
50	51	d5-N-EtFOSAA	589.3 > 419	3.03e3	1.11e4	0.246	0.272	5.37	3.40	49.4127	97.2		
51	51	d5-N-EtFOSAA	589.3 > 419	3.03e3	1.11e4	0.246	0.272	5.37	3.40	49.4127	97.2		
52	52	13C2-PFUdA	565 > 519.8	7.94e3	1.11e4	0.246	0.715	5.39	8.93	40.1054	78.9		
53	53	13C2-PFDoA	615.0 > 56...	9.25e3	9.29e3	0.246	0.996	5.67	12.5	40.1099	78.9		
54	53	13C2-PFDoA	615.0 > 56...	9.25e3	9.29e3	0.246	0.996	5.67	12.5	40.1099	78.9		
55	-1												
56	30	PFTeDA	712.9 > 66...		6.03e3	0.246							
57	73	TCDA	498.3>106.9			0.246							
58	60	13C4-PFBA	217. > 171.8	7.08e3	7.08e3	0.246	1.00	1.32	12.5	50.8130	100.0		
59	61	13C5-PFHxA	318 > 272.9	7.99e3	7.99e3	0.246	1.00	3.12	12.5	50.8130	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	1.95e3	1.95e3	0.246	1.00	3.88	12.5	50.8130	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	6.03e3	1.11e4	0.246	0.542	6.13	6.78	47.9987	94.5		
62	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.40e3	0.246	0.905	4.78	11.3	41.4622	81.6		
63	63	13C8-PFOA	421.3 > 376	8.72e3	8.72e3	0.246	1.00	4.26	12.5	50.8130	100.0		
64	64	13C9-PFNA	472.2 > 42...	9.63e3	9.63e3	0.246	1.00	4.69	12.5	50.8130	100.0		
65	65	13C4-PFOS	503 > 79.9	2.40e3	2.40e3	0.246	1.00	4.78	12.5	50.8130	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	9.29e3	9.29e3	0.246	1.00	5.07	12.5	50.8130	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.11e4	1.11e4	0.246	1.00	5.39	12.5	50.8130	100.0		

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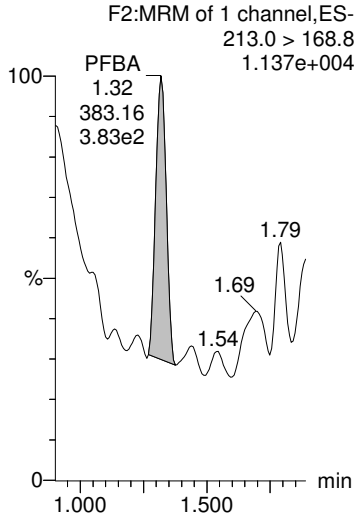
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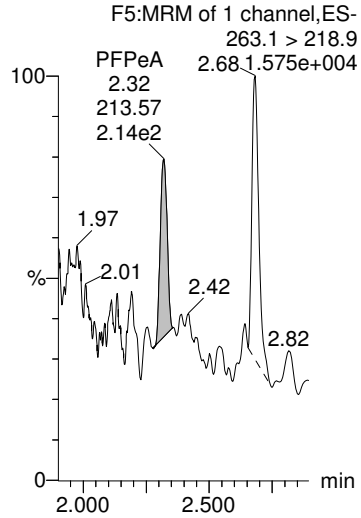
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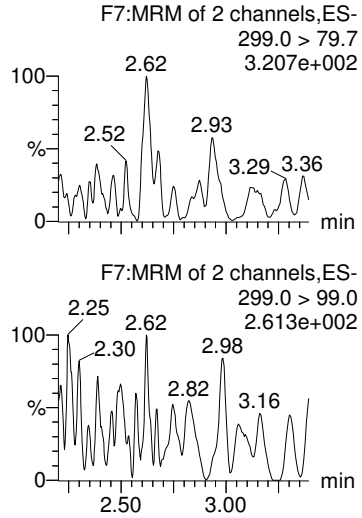
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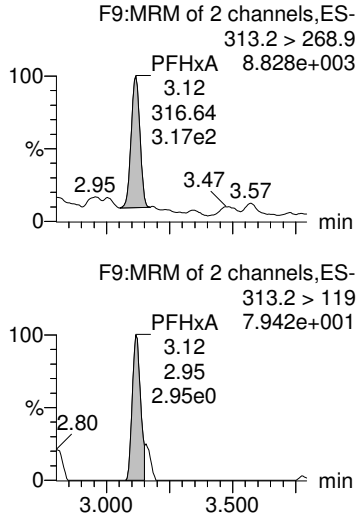
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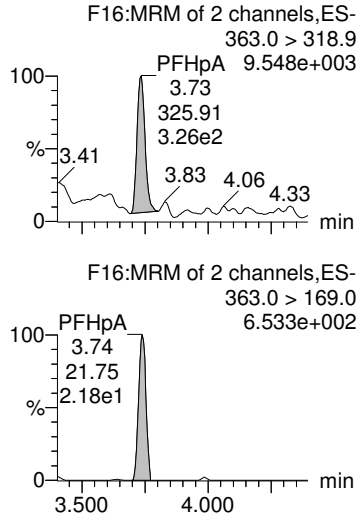
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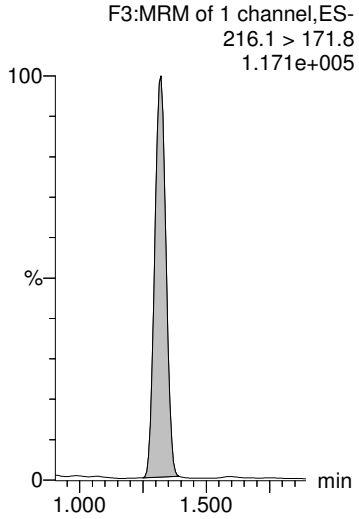
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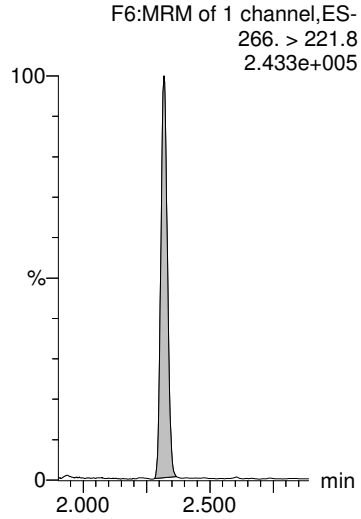
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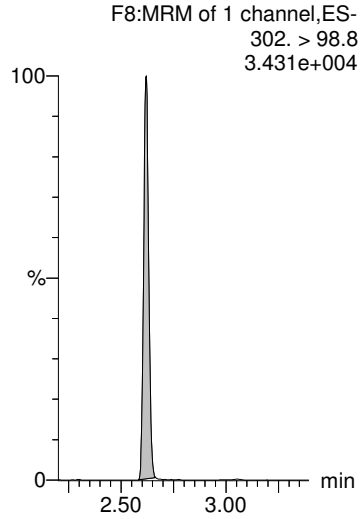
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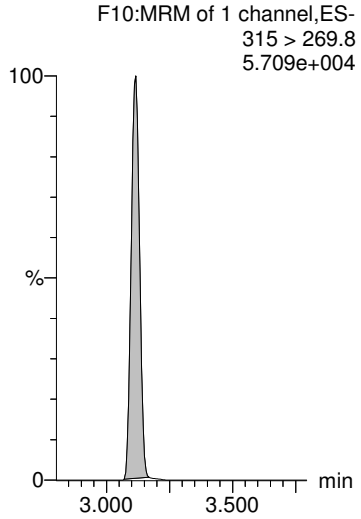
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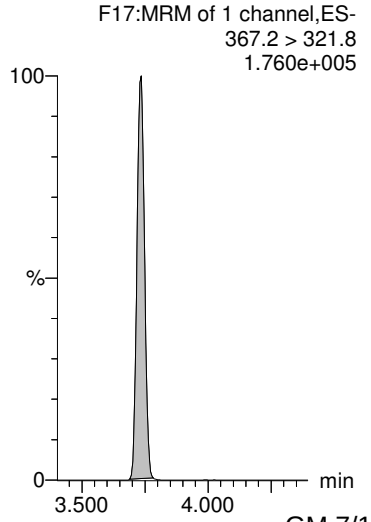
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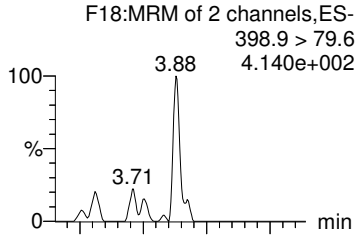
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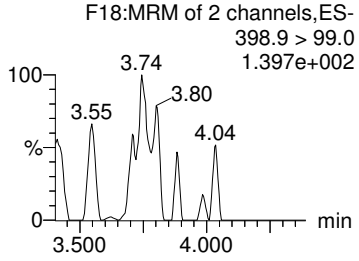
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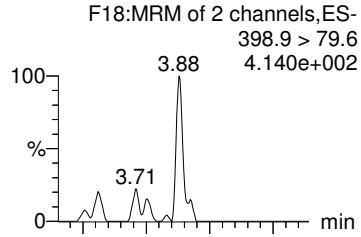
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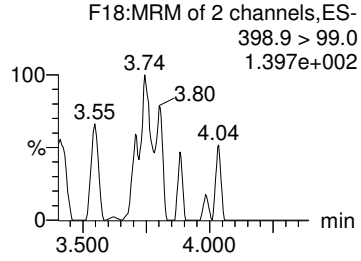
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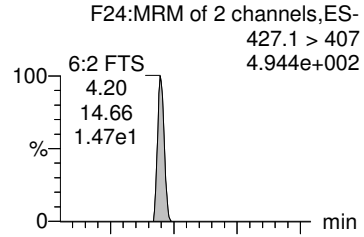


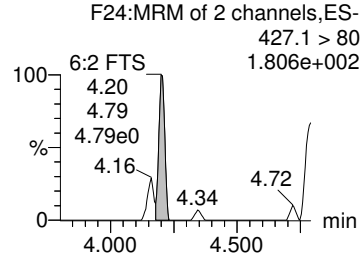
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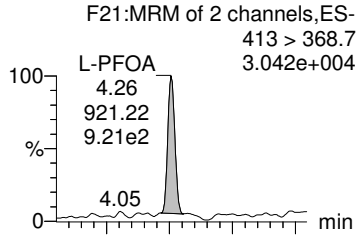


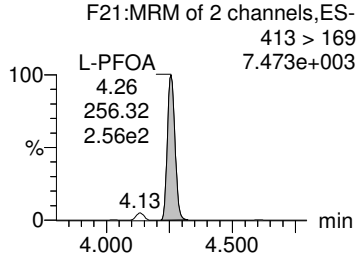
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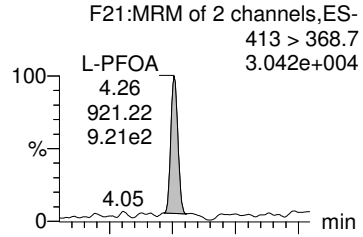


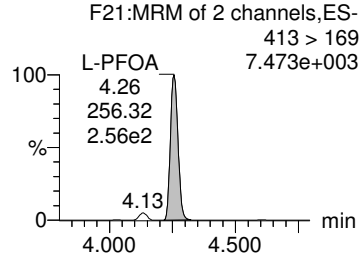
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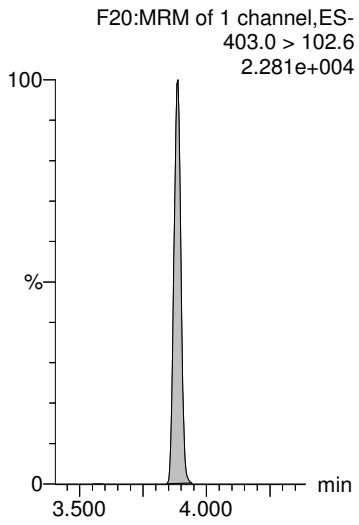


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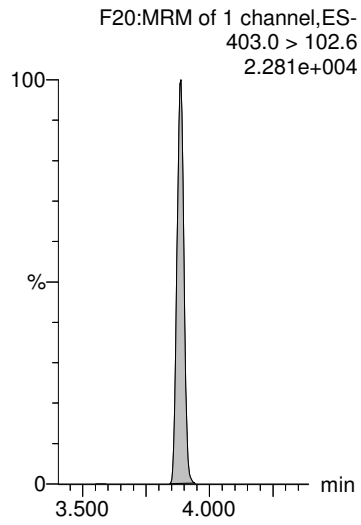




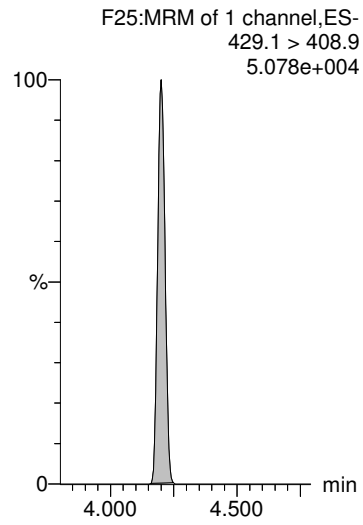
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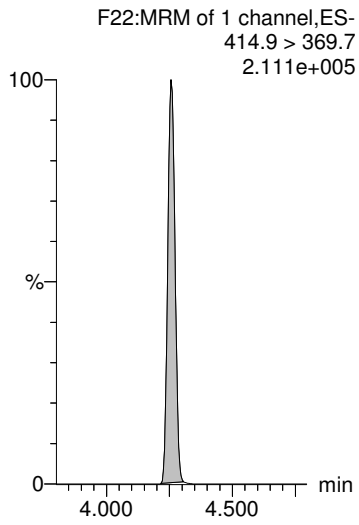
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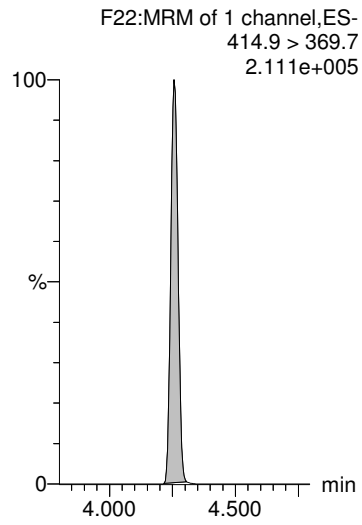
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13C2-PFOA



13C2-PFOA



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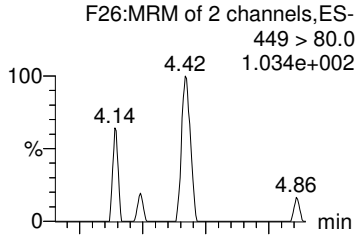
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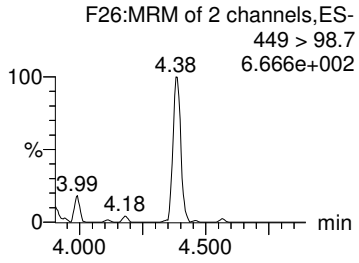
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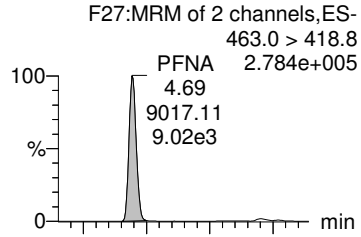
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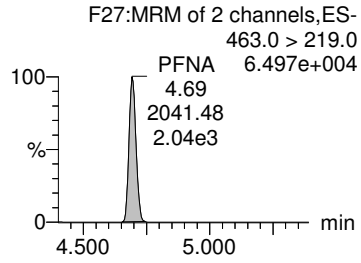
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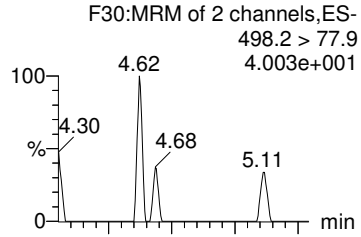


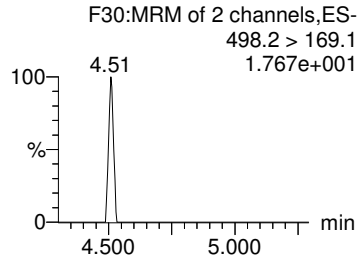
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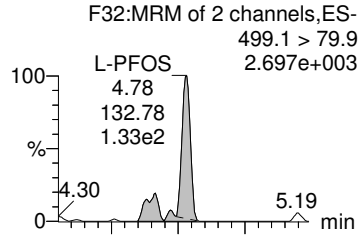


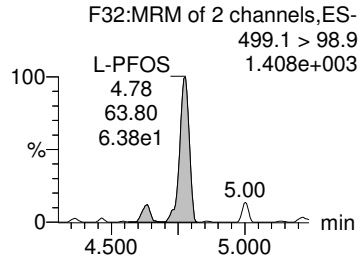
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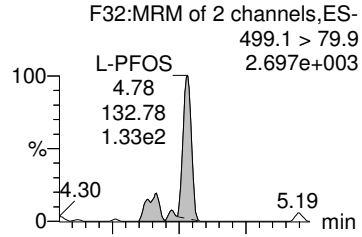


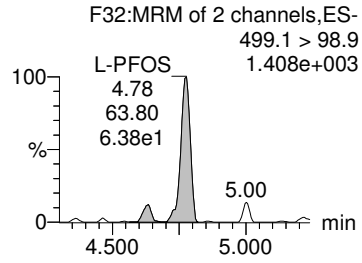
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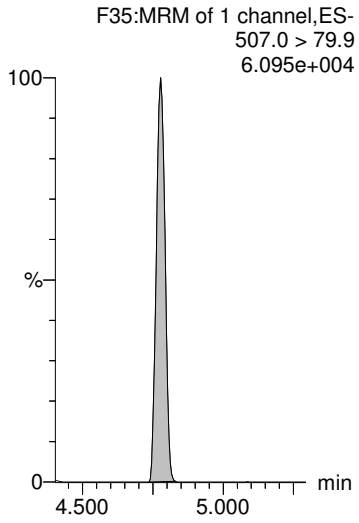


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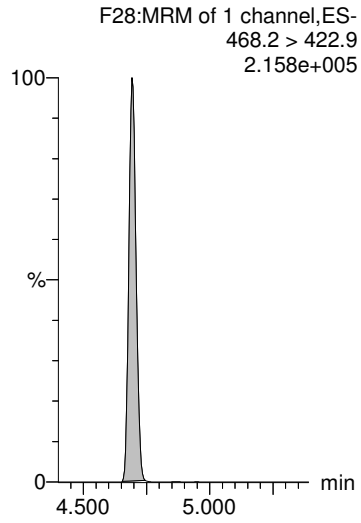




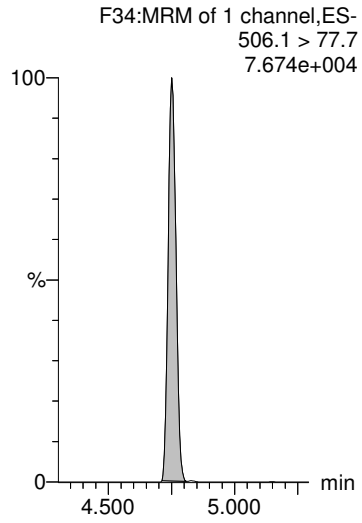
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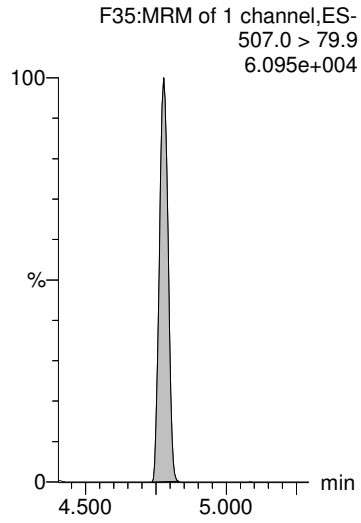
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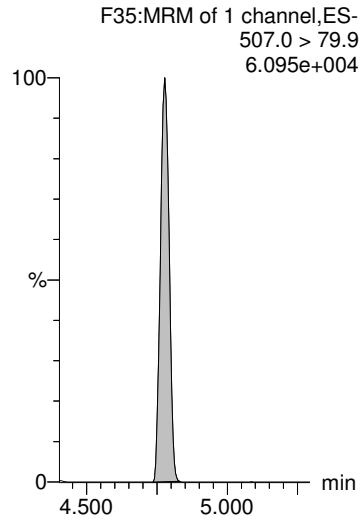
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13C8-PFOS



13C8-PFOS



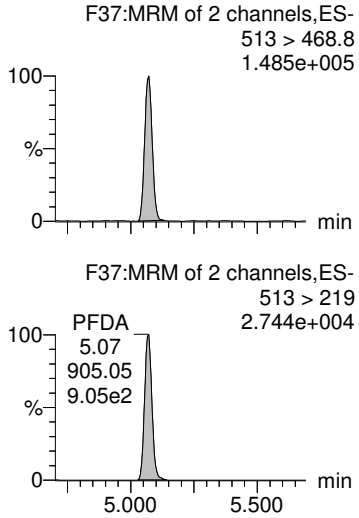
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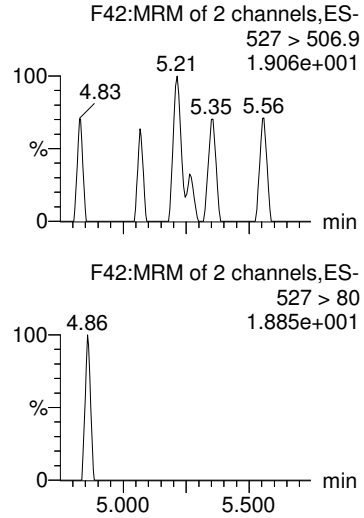
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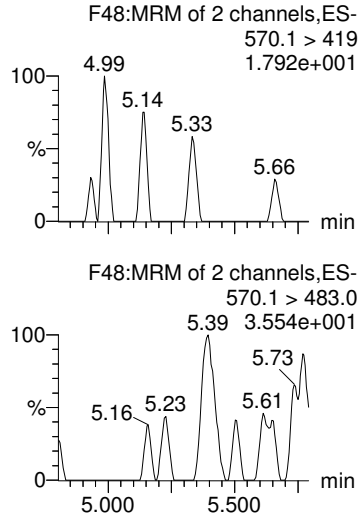
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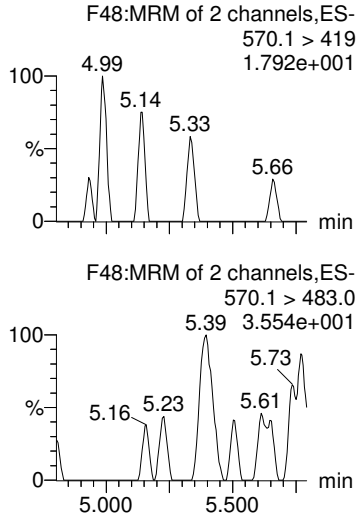
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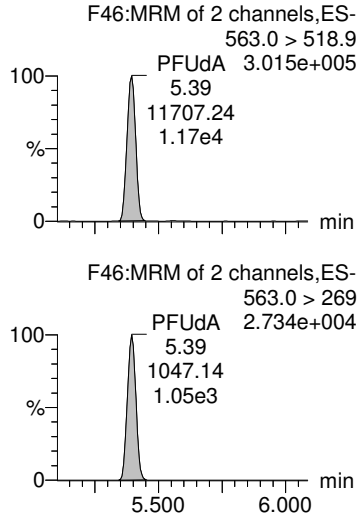
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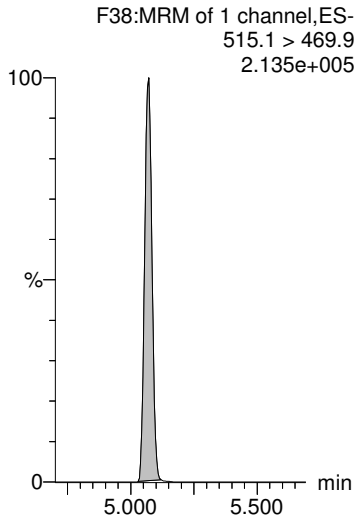
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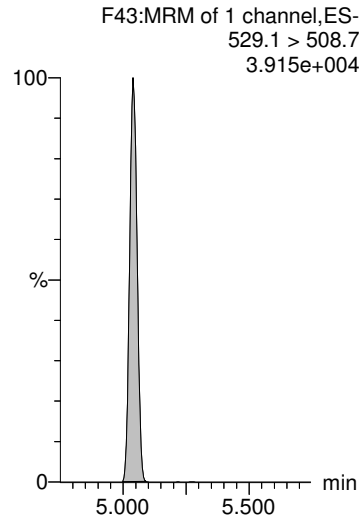
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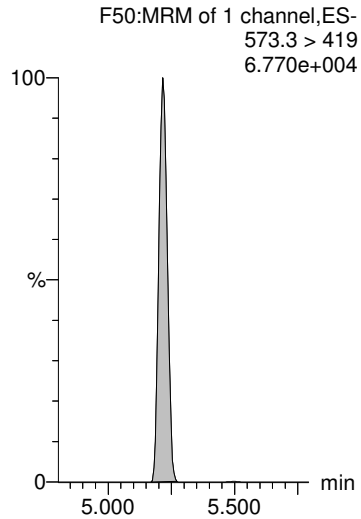
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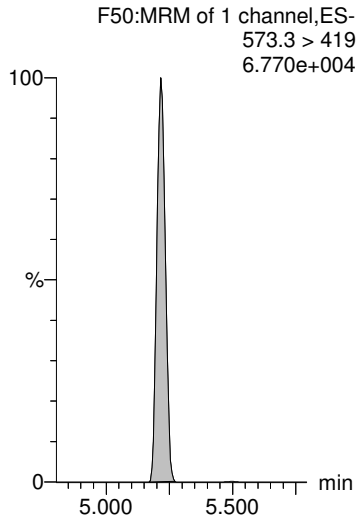
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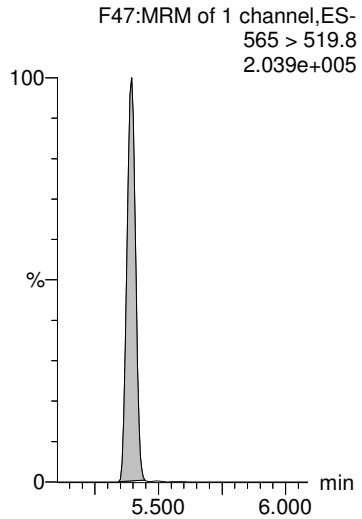
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d3-N-MeFOSAA



13C2-PFUdA



GM 7/19/2018

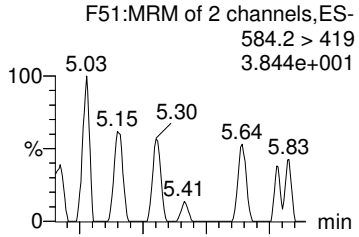
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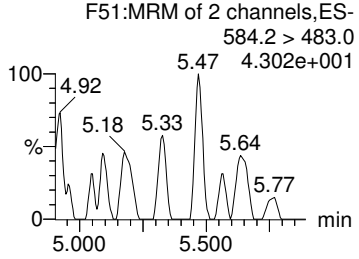
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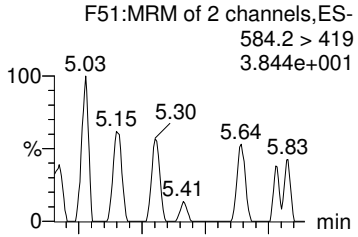
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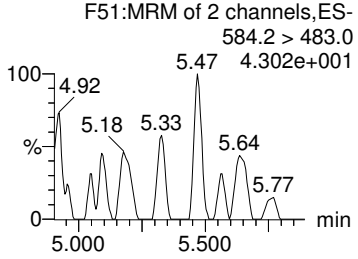
L-EtFOSAA



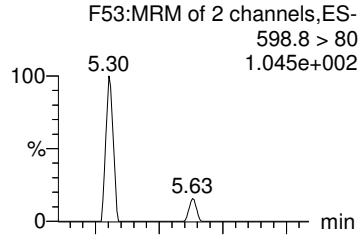


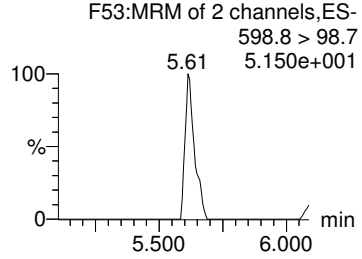
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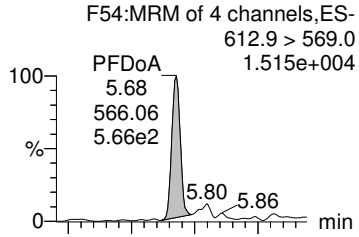


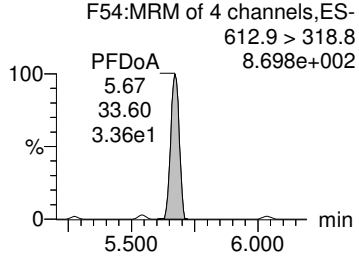
PFDS



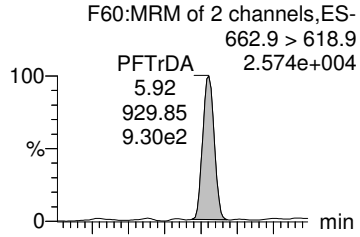


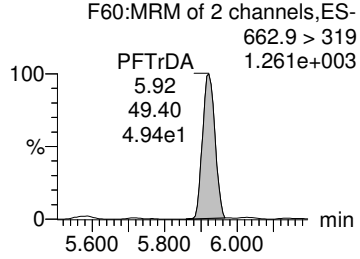
PFDoA



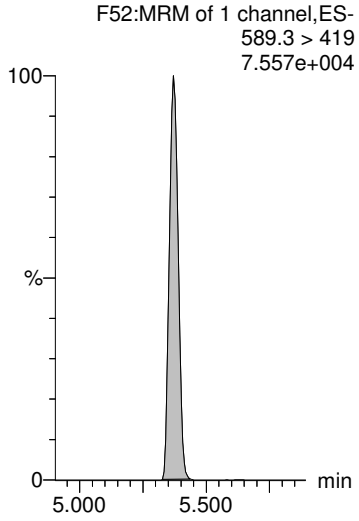


PFTrDA

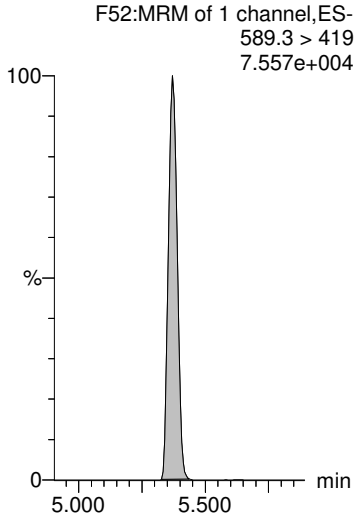




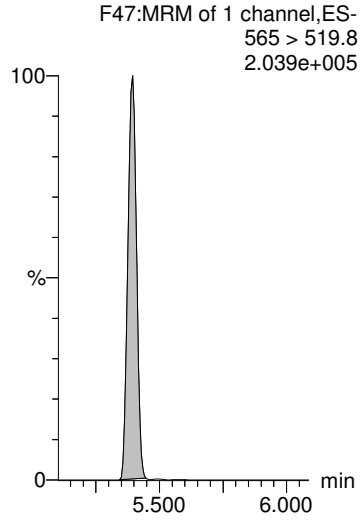
d5-N-EtFOSAA



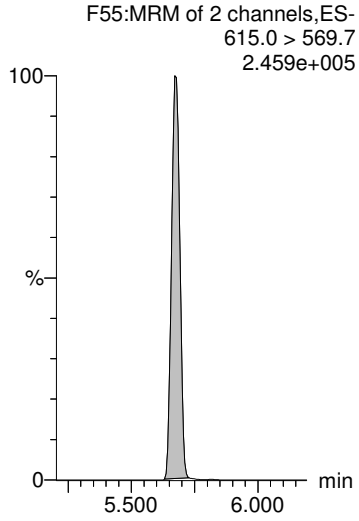
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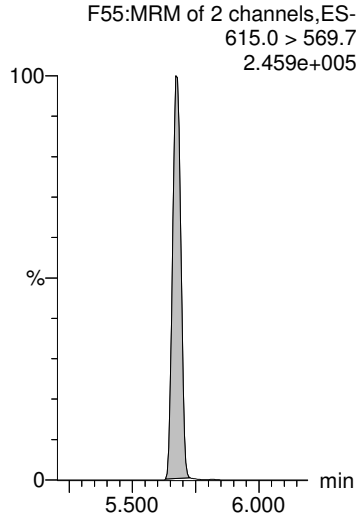
13C2-PFUdA



13C2-PFDoA



13C2-PFDoA



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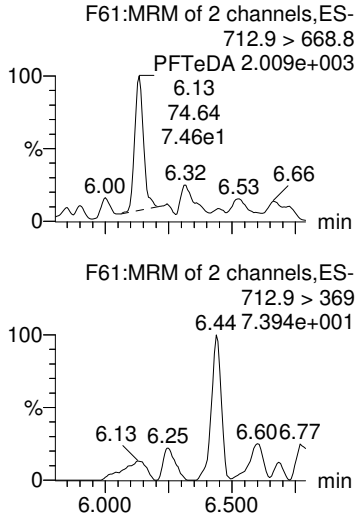
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MMM 7/20/2018

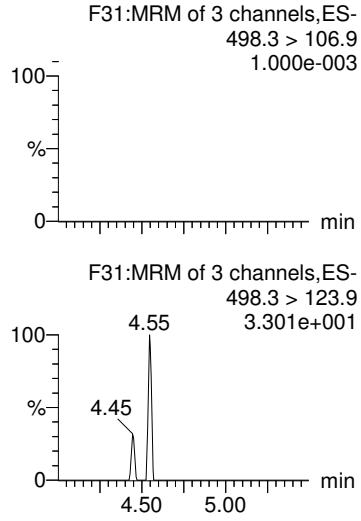
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Name: 180713M2_73, Date: 14-Jul-2018, Time: 04:55:30, ID: 1801486-10 SA-DUP01-20180626 0.246, Description: SA-DUP01-20180626

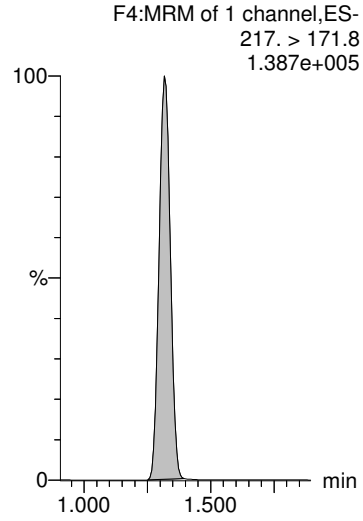
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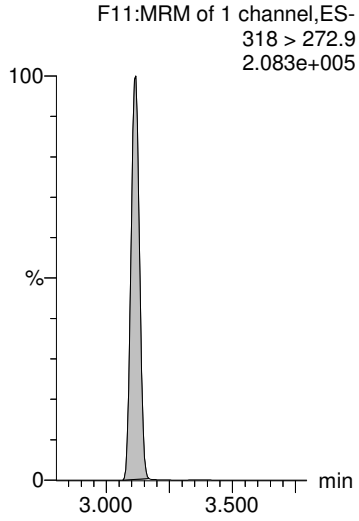
TCDA



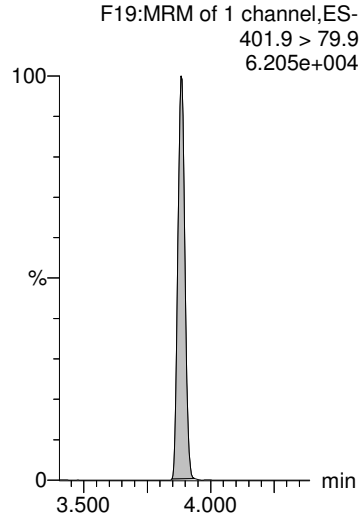
13C4-PFBA



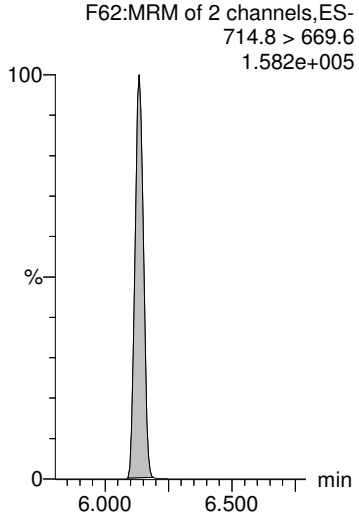
13C5-PFHxA



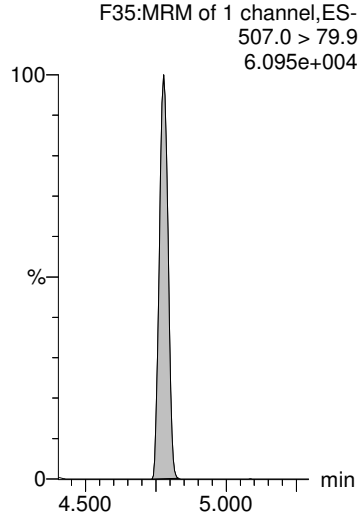
13C3-PFHxS



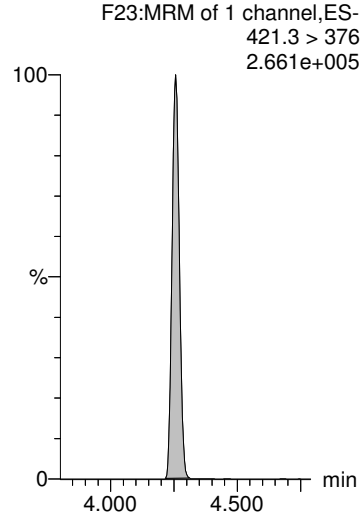
13C2-PFTeDA



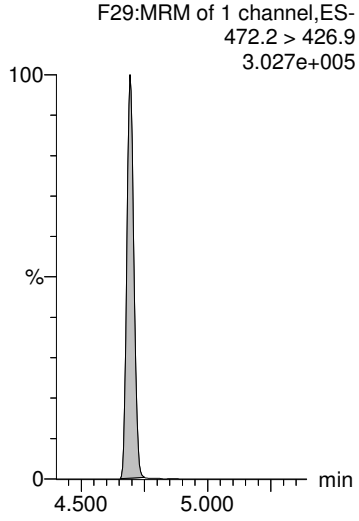
13C8-PFOS



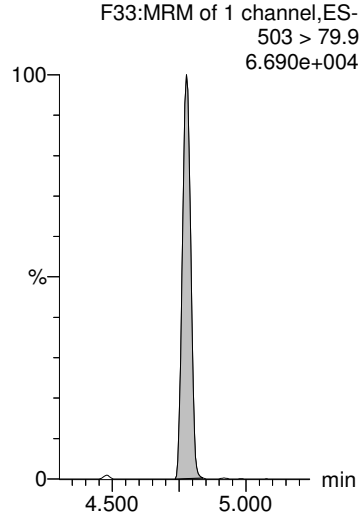
13C8-PFOA



13C9-PFNA



13C4-PFOS



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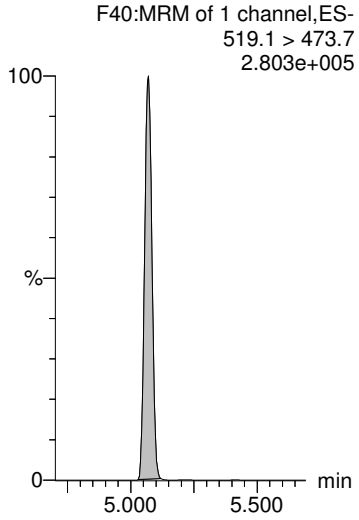
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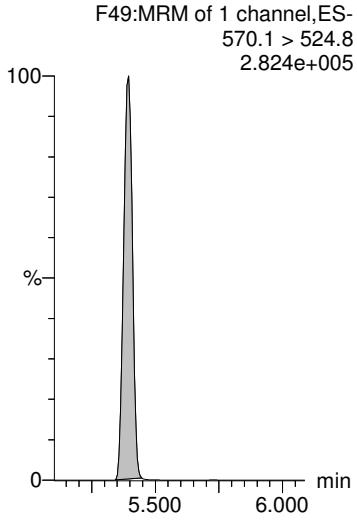
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Name: 180713M2_73, Date: 14-Jul-2018, Time: 04:55:30, ID: 1801486-10 SA-DUP01-20180626 0.246, Description: SA-DUP01-20180626

13C6-PFDA



13C7-PFUdA



GM 7/19/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-74.qld MMM 7/20/2018

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Name: 180713M2_74, Date: 14-Jul-2018, Time: 05:06:00, ID: 1801486-11 CA-AQIDW01-20180626 0.25411, Description: CA-AQIDW01-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...		6.34e3								
2	2	PFPeA	263.1 > 21...		7.75e3	0.254							
3	3	PFBS	299.0 > 79.7		1.04e3	0.254							
4	5	PFHxA	313.2 > 26...		2.30e3	0.254							
5	7	PFHpA	363.0 > 31...	7.16e1	6.45e3	0.254	0.000	3.59	0.139	0.4900		3.26	YES
6	36	13C3-PFBA	216.1 > 17...	6.34e3	7.07e3	0.254	0.897	1.33	11.2	48.1576	97.9		
7	37	13C3-PFPeA	266. > 221.8	7.75e3	8.38e3	0.254	0.924	2.32	11.6	45.9914	93.5		
8	38	13C3-PFBS	302. > 98.8	1.04e3	8.38e3	0.254	0.124	2.62	1.55	50.8666	103.4		
9	40	13C2-PFHxA	315 > 269.8	2.30e3	8.38e3	0.254	0.685	3.12	3.42	18.0676	91.8		
10	41	13C4-PFHpA	367.2 > 32...	6.45e3	8.38e3	0.254	0.769	3.73	9.62	46.6703	94.9		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	2.38e0	8.84e2	0.254	0.000	3.89	0.0336	0.3062		1.07	NO
13	68	Total PFHxS	398.9 > 79.6	2.38e0	8.84e2	0.254			0.0336	0.3062			
14	10	6:2 FTS	427.1 > 407	2.83e0	1.71e3	0.254	0.000	4.20	0.0206			3.59	YES
15	11	L-PFOA	413 > 368.7		7.45e3	0.254							
16	69	Total PFOA	413 > 368.7	0.00e0	7.45e3	0.254			0.000				
17	42	18O2-PFHxS	403.0 > 10...	8.84e2	1.99e3	0.254	0.443	3.89	5.54	53.3586	108.5		
18	42	18O2-PFHxS	403.0 > 10...	8.84e2	1.99e3	0.254	0.443	3.89	5.54	53.3586	108.5		
19	43	13C2-6:2 FTS	429.1 > 40...	1.71e3	8.86e3	0.254	0.194	4.20	2.42	44.7795	91.0		
20	44	13C2-PFOA	414.9 > 36...	7.45e3	8.86e3	0.254	0.841	4.26	10.5	43.7530	88.9		
21	44	13C2-PFOA	414.9 > 36...	7.45e3	8.86e3	0.254	0.841	4.26	10.5	43.7530	88.9		
22	-1												
23	13	PFHpS	449 > 80.0		2.51e3	0.254							
24	14	PFNA	463.0 > 41...	3.83e2	8.17e3	0.254	0.000	4.69	0.586	2.0103		4.30	NO
25	15	PFOSA	498.2 > 77.9		3.10e3	0.254							
26	16	L-PFOS	499.1 > 79.9		2.51e3	0.254							
27	70	Total PFOS	499.1 > 79.9	0.00e0	2.51e3	0.254			0.000				
28	47	13C8-PFOS	507.0 > 79.9	2.51e3	2.59e3	0.254	0.967	4.78	12.1	42.8672	87.1		
29	45	13C5-PFNA	468.2 > 42...	8.17e3	9.32e3	0.254	0.877	4.69	11.0	44.0577	89.6		
30	46	13C8-PFOSA	506.1 > 77.7	3.10e3	1.35e4	0.254	0.230	4.75	2.87	37.2804	75.8		
31	47	13C8-PFOS	507.0 > 79.9	2.51e3	2.59e3	0.254	0.967	4.78	12.1	42.8672	87.1		
32	47	13C8-PFOS	507.0 > 79.9	2.51e3	2.59e3	0.254	0.967	4.78	12.1	42.8672	87.1		
33	-1												
34	18	PFDA	513 > 468.8		7.92e3	0.254							
35	19	8:2 FTS	527 > 506.9		1.21e3	0.254							
36	21	L-MeFOSAA	570.1 > 419		3.23e3	0.254							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	3.23e3	0.254			0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-74.qld MMM 7/20/2018

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Name: 180713M2_74, Date: 14-Jul-2018, Time: 05:06:00, ID: 1801486-11 CA-AQIDW01-20180626 0.25411, Description: CA-AQIDW01-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	1.70e2	1.07e4	0.254	0.000	5.39	0.199	0.6217		36.5	YES
39	48	13C2-PFDA	515.1 > 46...	7.92e3	9.53e3	0.254	0.832	5.07	10.4	40.6263	82.6		
40	49	13C2-8:2 FTS	529.1 > 50...	1.21e3	8.38e3	0.254	0.144	5.04	1.80	36.3995	74.0		
41	50	d3-N-MeFOSAA	573.3 > 419	3.23e3	1.35e4	0.254	0.239	5.22	2.98	45.4378	92.4		
42	50	d3-N-MeFOSAA	573.3 > 419	3.23e3	1.35e4	0.254	0.239	5.22	2.98	45.4378	92.4		
43	52	13C2-PFUdA	565 > 519.8	1.07e4	1.35e4	0.254	0.792	5.39	9.90	43.0457	87.5		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		3.38e3	0.254							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.38e3	0.254			0.000				
47	26	PFDS	598.8 > 80		1.07e4	0.254							
48	27	PFDoA	612.9 > 56...		1.14e4	0.254							
49	29	PFTrDA	662.9 > 61...		1.14e4	0.254							
50	51	d5-N-EtFOSAA	589.3 > 419	3.38e3	1.35e4	0.254	0.250	5.37	3.13	43.9840	89.4		
51	51	d5-N-EtFOSAA	589.3 > 419	3.38e3	1.35e4	0.254	0.250	5.37	3.13	43.9840	89.4		
52	52	13C2-PFUdA	565 > 519.8	1.07e4	1.35e4	0.254	0.792	5.39	9.90	43.0457	87.5		
53	53	13C2-PFDoA	615.0 > 56...	1.14e4	9.53e3	0.254	1.19	5.68	14.9	46.5016	94.5		
54	53	13C2-PFDoA	615.0 > 56...	1.14e4	9.53e3	0.254	1.19	5.68	14.9	46.5016	94.5		
55	-1												
56	30	PFTeDA	712.9 > 66...		6.83e3	0.254							
57	73	TCDA	498.3>106.9			0.254							
58	60	13C4-PFBA	217. > 171.8	7.07e3	7.07e3	0.254	1.00	1.32	12.5	49.1913	100.0		
59	61	13C5-PFHxA	318 > 272.9	8.38e3	8.38e3	0.254	1.00	3.12	12.5	49.1913	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	1.99e3	1.99e3	0.254	1.00	3.89	12.5	49.1913	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	6.83e3	1.35e4	0.254	0.506	6.13	6.32	43.3194	88.1		
62	47	13C8-PFOS	507.0 > 79.9	2.51e3	2.59e3	0.254	0.967	4.78	12.1	42.8672	87.1		
63	63	13C8-PFOA	421.3 > 376	8.86e3	8.86e3	0.254	1.00	4.26	12.5	49.1913	100.0		
64	64	13C9-PFNA	472.2 > 42...	9.32e3	9.32e3	0.254	1.00	4.69	12.5	49.1913	100.0		
65	65	13C4-PFOS	503 > 79.9	2.59e3	2.59e3	0.254	1.00	4.78	12.5	49.1913	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	9.53e3	9.53e3	0.254	1.00	5.07	12.5	49.1913	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.35e4	1.35e4	0.254	1.00	5.39	12.5	49.1913	100.0		

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-74.qld

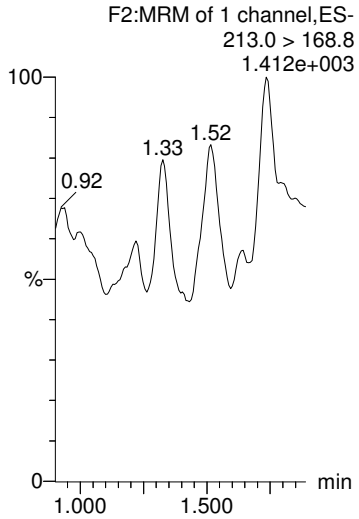
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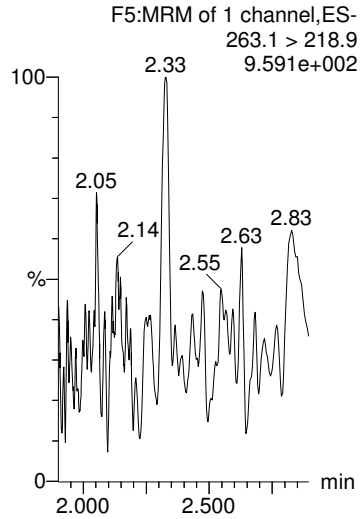
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Name: 180713M2_74, Date: 14-Jul-2018, Time: 05:06:00, ID: 1801486-11 CA-AQIDW01-20180626 0.25411, Description: CA-AQIDW01-20180626

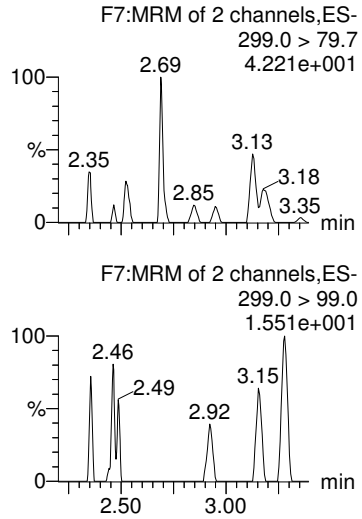
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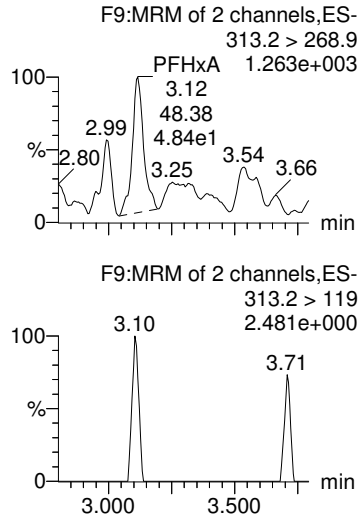
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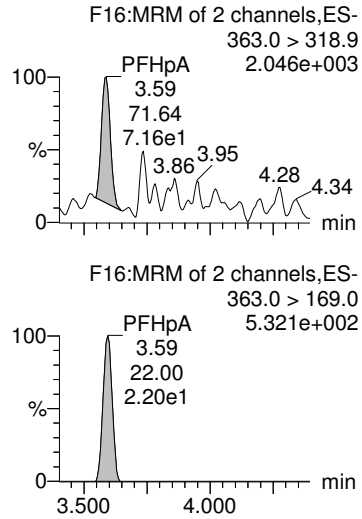
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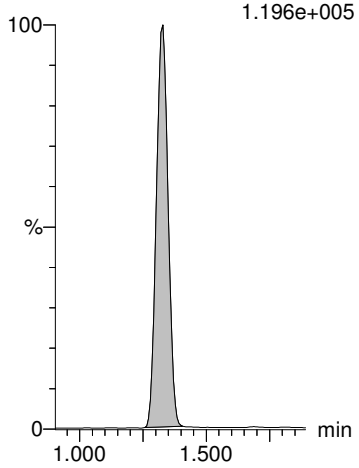
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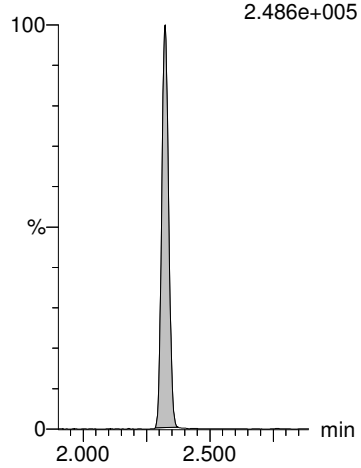
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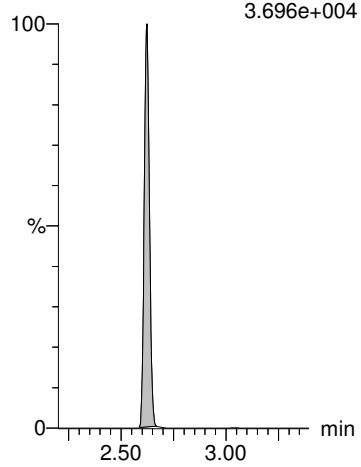
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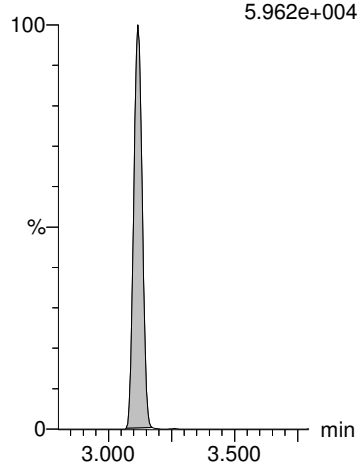
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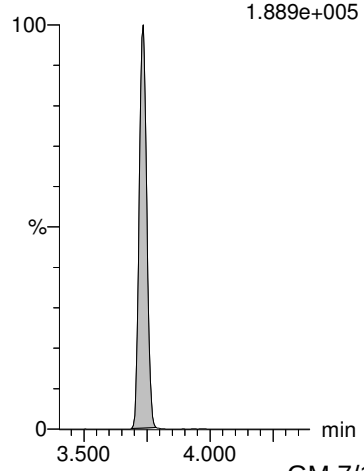
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13C2-PFHxA



13C4-PFHpA



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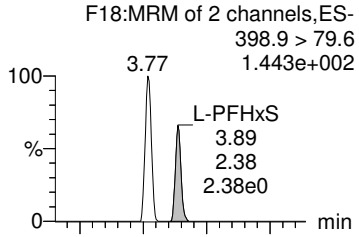
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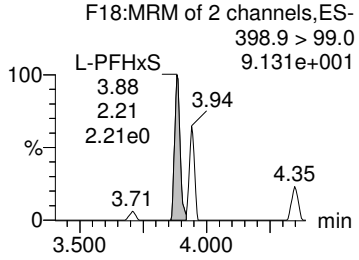
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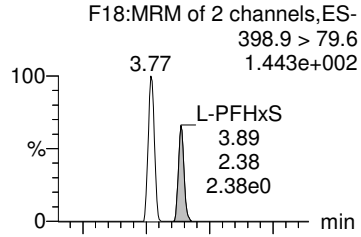
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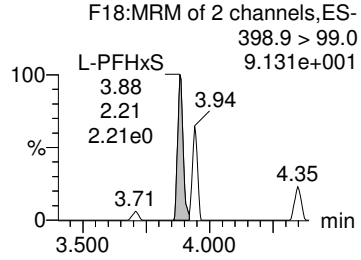
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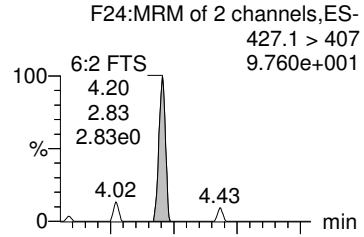


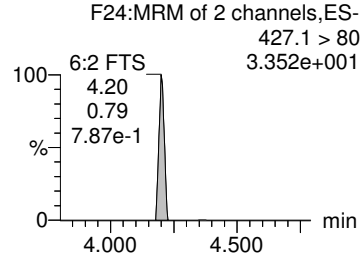
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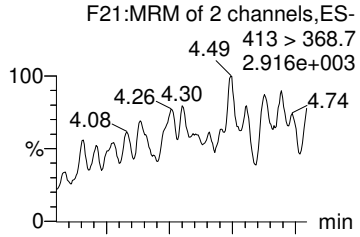


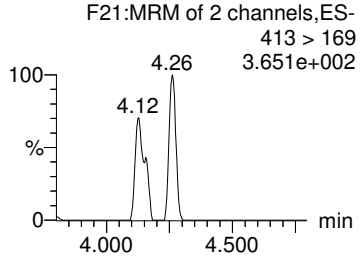
6:2 FTS



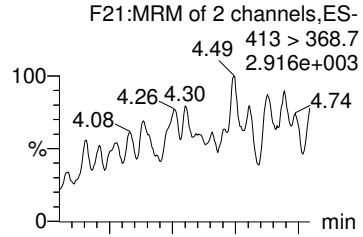


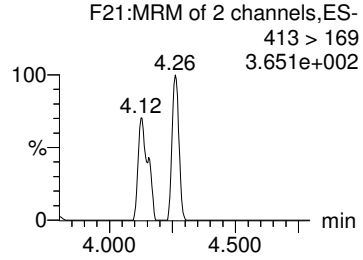
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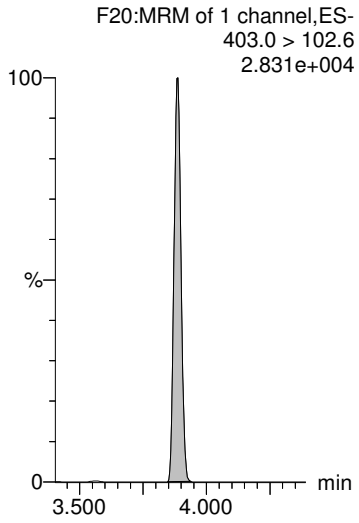


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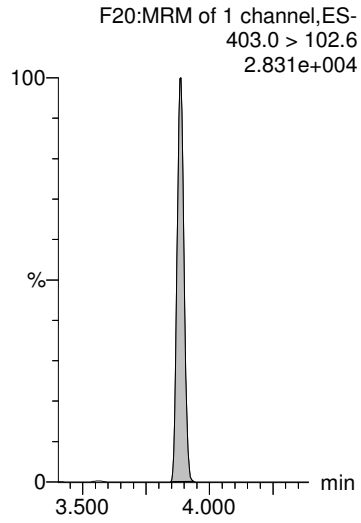




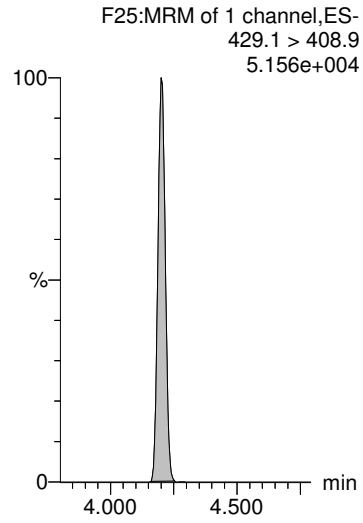
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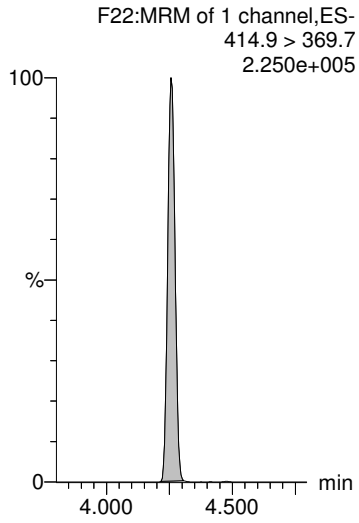
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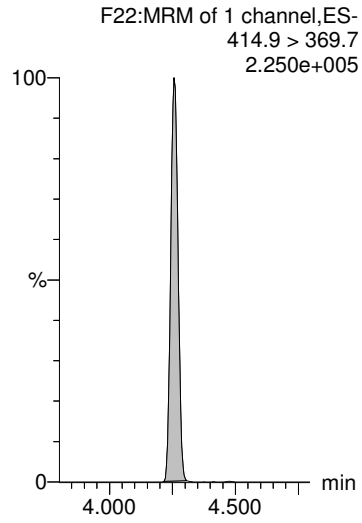
13C2-6:2 FTS



13C2-PFOA



13C2-PFOA



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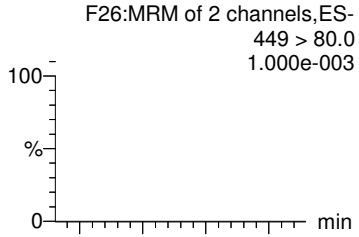
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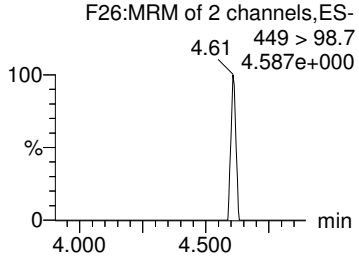
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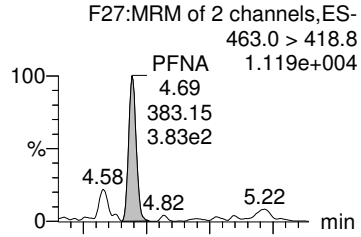
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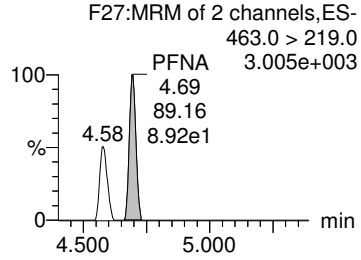
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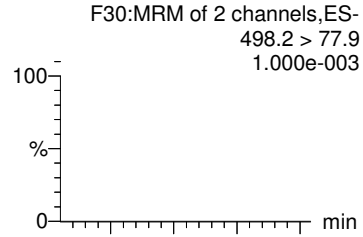


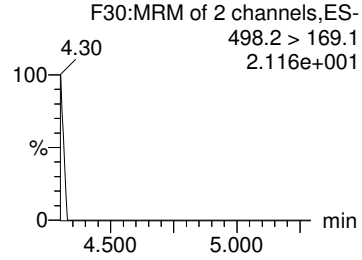
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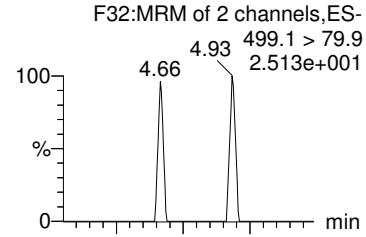


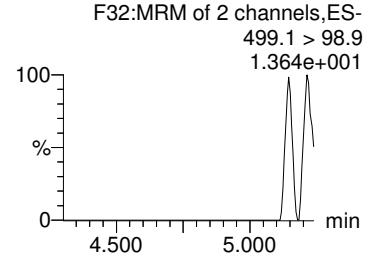
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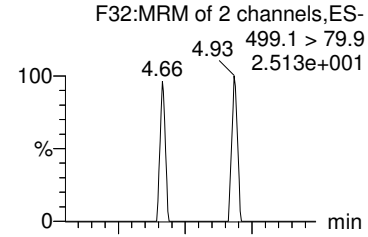


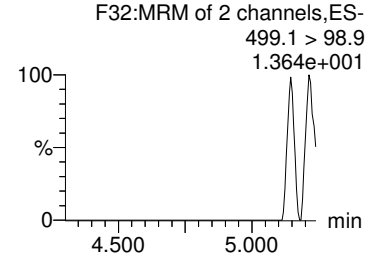
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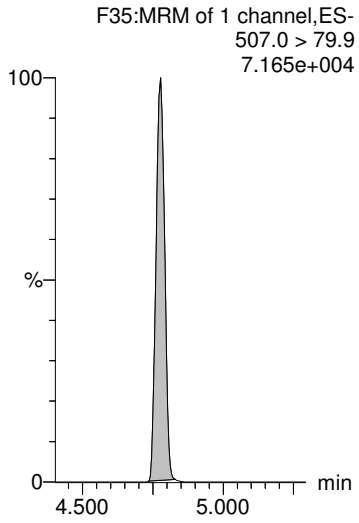


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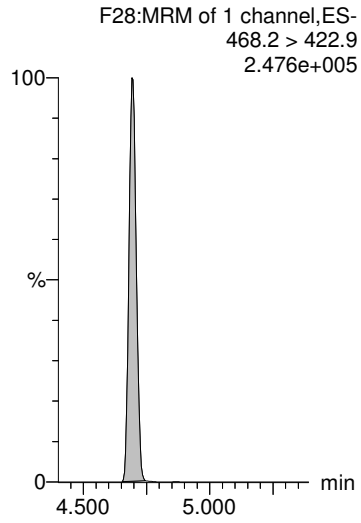




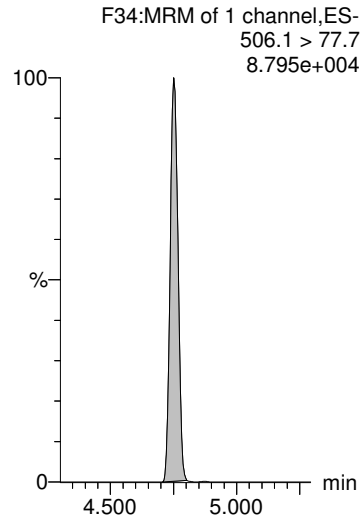
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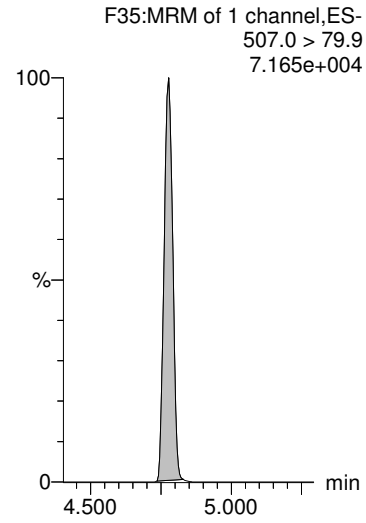
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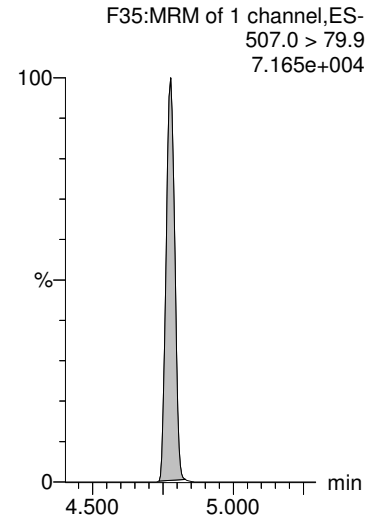
13C8-PFOSA



13C8-PFOS



13C8-PFOS



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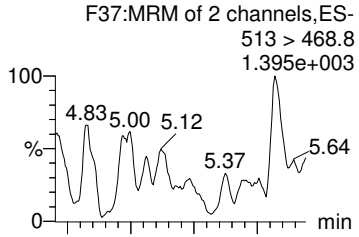
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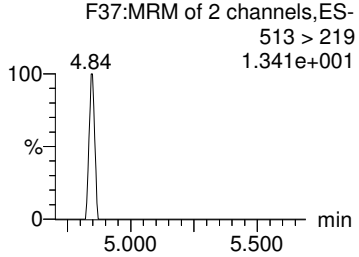
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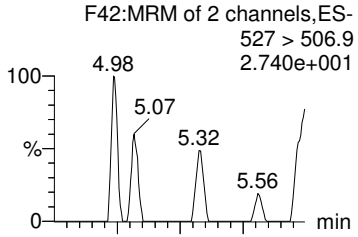
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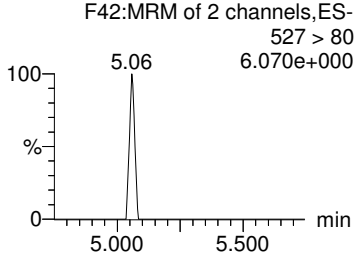
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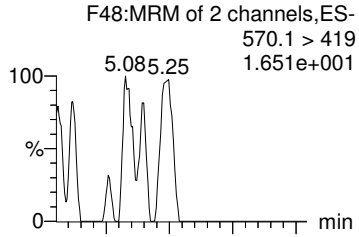


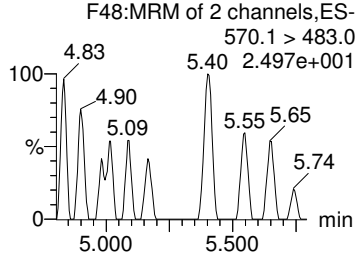
8:2 FTS



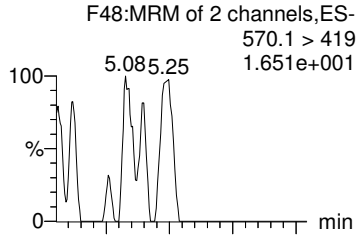


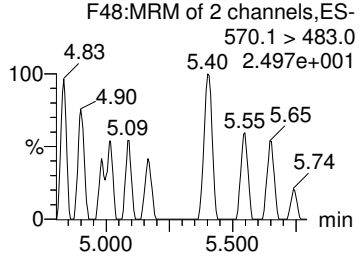
L-MeFOSAA



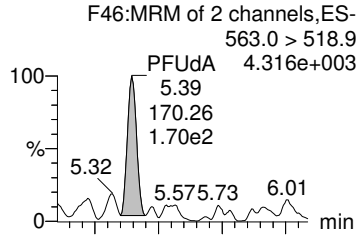


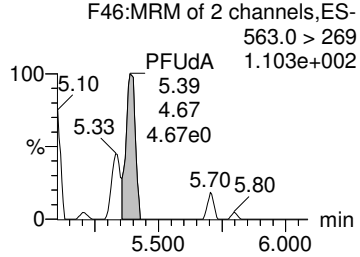
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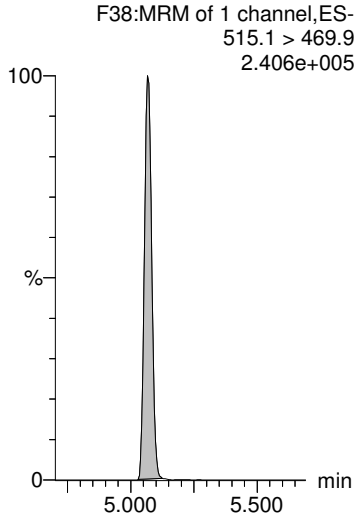


PFUdA

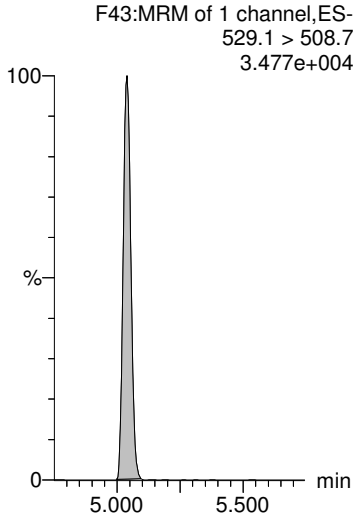




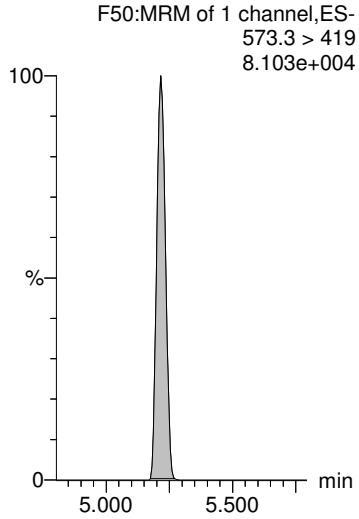
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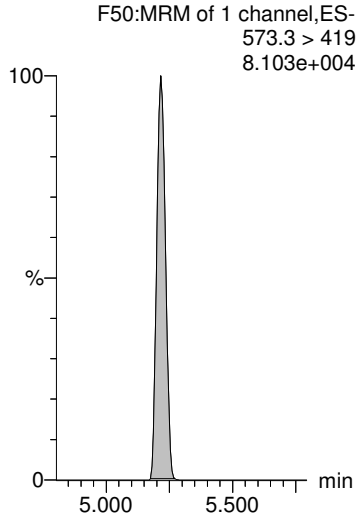
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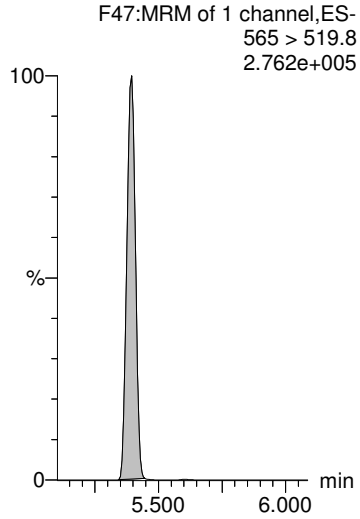
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d3-N-MeFOSAA



13C2-PFUdA



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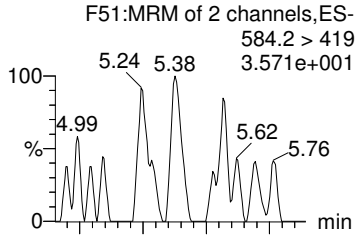
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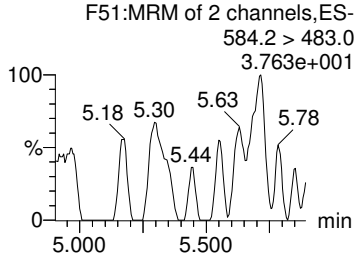
MMM 7/20/2018

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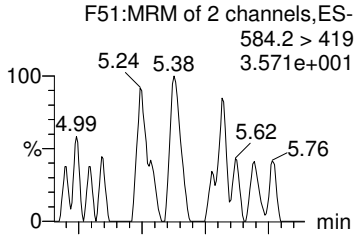
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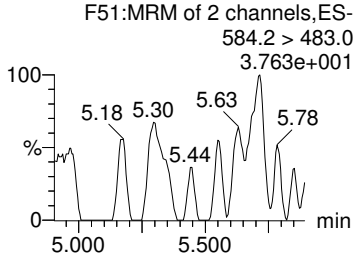
L-EtFOSAA



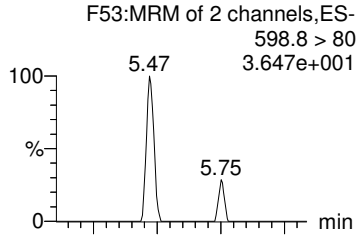


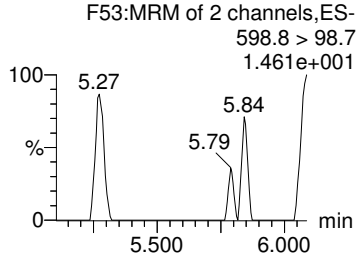
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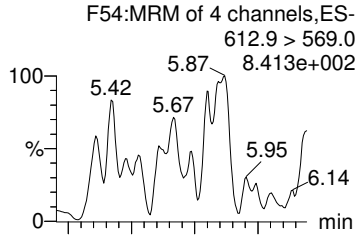


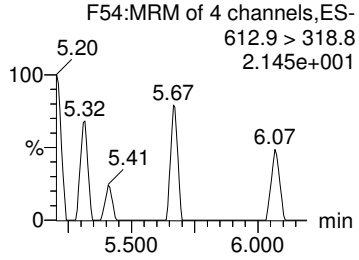
PFDS



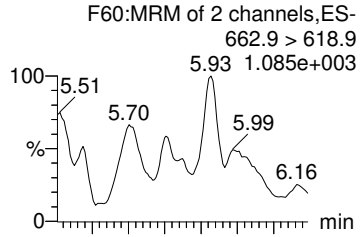


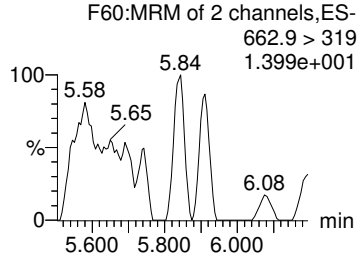
PFDoA



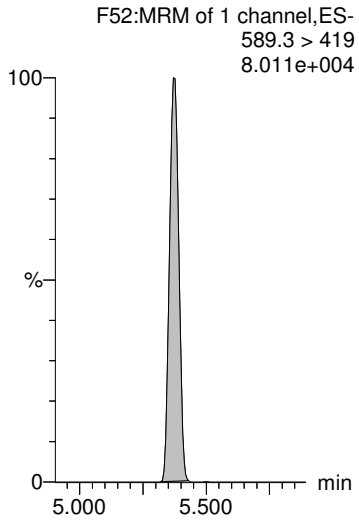


PFTrDA

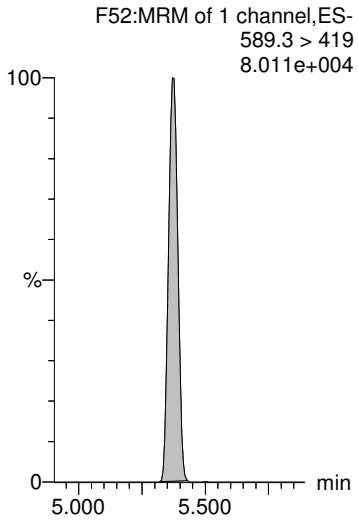




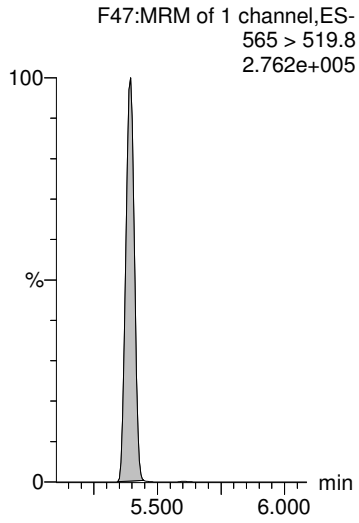
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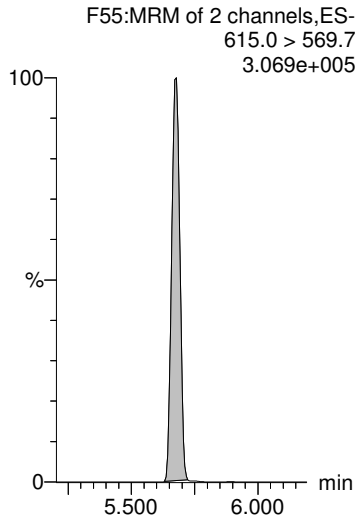
d5-N-EtFOSAA



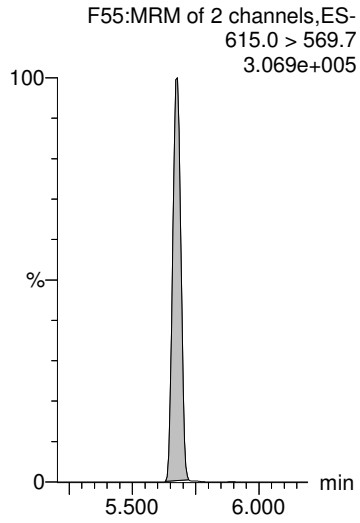
13C2-PFUdA



13C2-PFDoA



13C2-PFDoA



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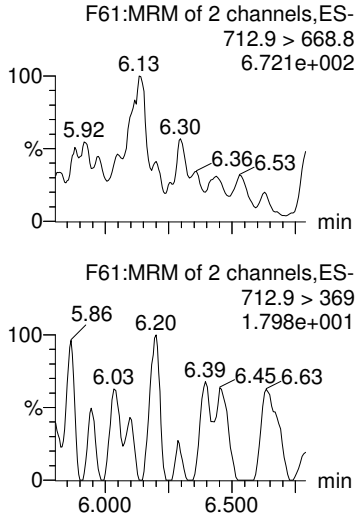
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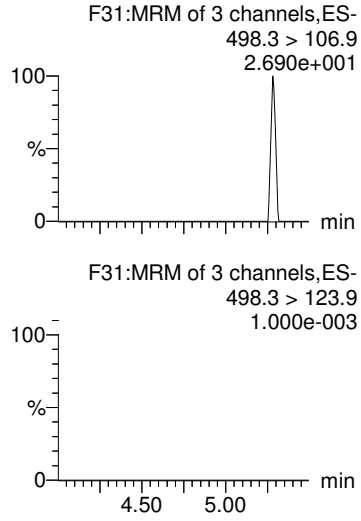
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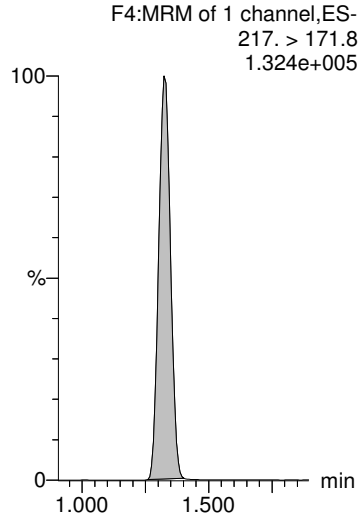
PFTeDA



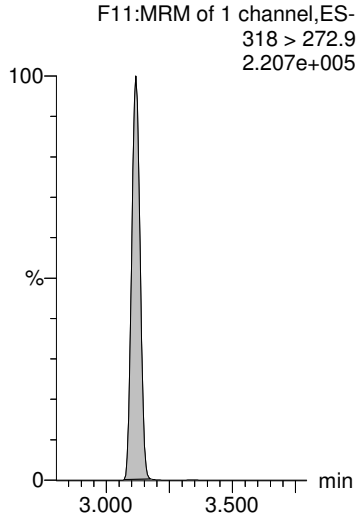
TCDA



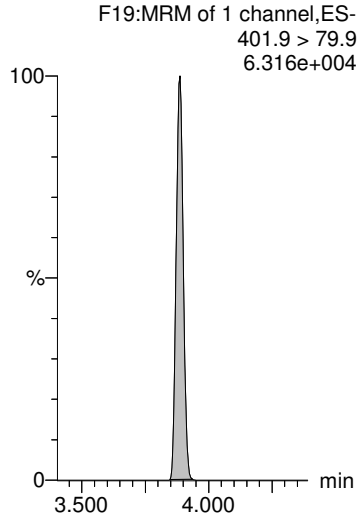
13C4-PFBA



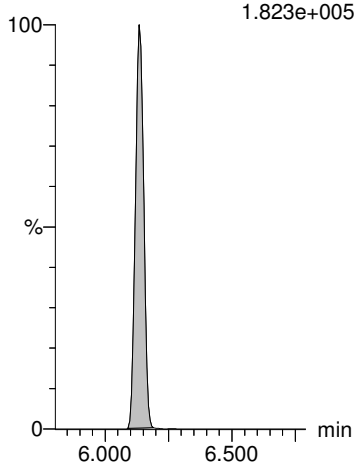
13C5-PFHxA



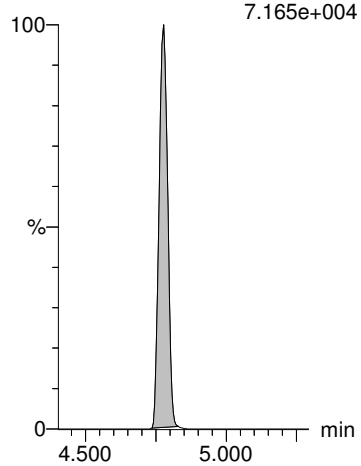
13C3-PFHxS



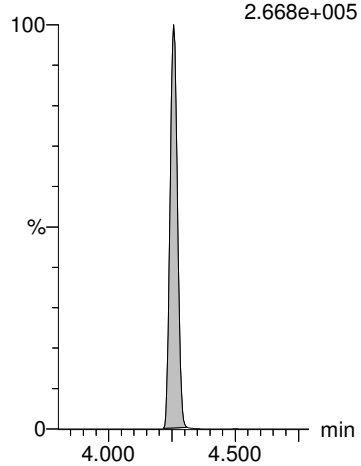
13C2-PFTeDA



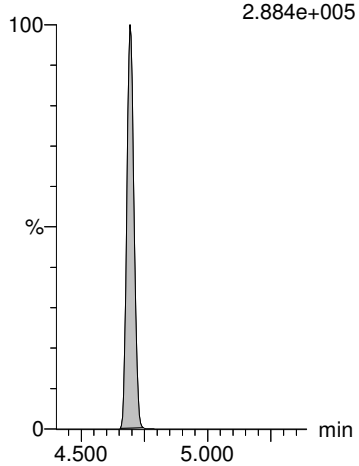
13C8-PFOS



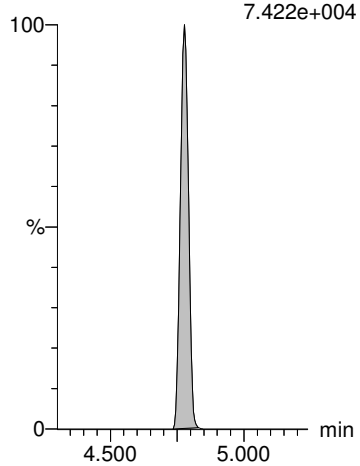
13C8-PFOA



13C9-PFNA



13C4-PFOS



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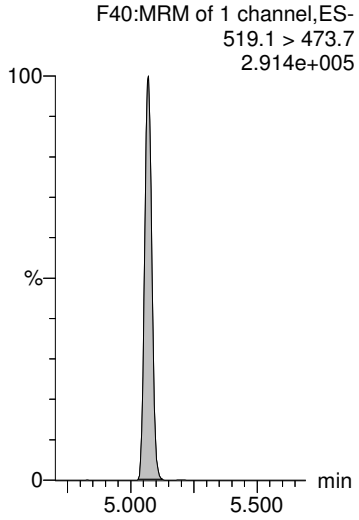
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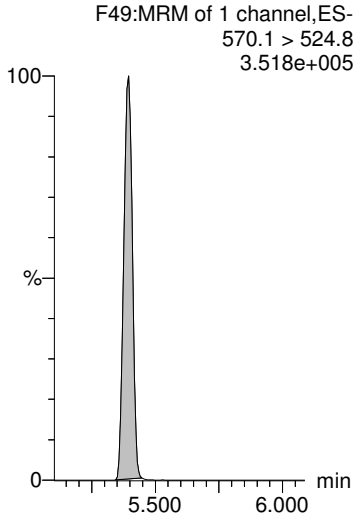
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Name: 180713M2_74, Date: 14-Jul-2018, Time: 05:06:00, ID: 1801486-11 CA-AQIDW01-20180626 0.25411, Description: CA-AQIDW01-20180626

13C6-PFDA



13C7-PFUdA



GM 7/19/2018

INJECTION INTERNAL STANDARD (IIS) AREAS,

INSTRUMENT BLANKS (IB)

AND

CONTINUTING CALIBRATION VERIFICATIONS CCV)

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-IIS AREAS.qld

Last Altered: Saturday, July 14, 2018 13:35:47 Pacific Daylight Time
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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_RS-7-08-18.mdb 09 Jul 2018 14:59:16
Calibration: 14 Jul 2018 13:35:47

Name: 180713M2_7, Date: 13-Jul-2018, Time: 17:24:55, ID: ST180713M2-6 PFC CS3 18G0509, Description: PFC CS3 18G0509

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180713M2-6 PFC CS3 18G0509	8.98e3	100.0	NO
2	2 13C5-PFHxA	ST180713M2-6 PFC CS3 18G0509	9.29e3	100.0	NO
3	3 13C3-PFHxS	ST180713M2-6 PFC CS3 18G0509	2.28e3	100.0	NO
4	4 13C8-PFOA	ST180713M2-6 PFC CS3 18G0509	1.07e4	100.0	NO
5	5 13C9-PFNA	ST180713M2-6 PFC CS3 18G0509	9.78e3	100.0	NO
6	6 13C4-PFOS	ST180713M2-6 PFC CS3 18G0509	2.45e3	100.0	NO
7	7 13C6-PFDA	ST180713M2-6 PFC CS3 18G0509	1.12e4	100.0	NO
8	8 13C7-PFUdA	ST180713M2-6 PFC CS3 18G0509	1.56e4	100.0	NO

Name: 180713M2_8, Date: 13-Jul-2018, Time: 17:35:19, ID: ST180713M2-7 PFC CS4 18G0510, Description: PFC CS4 18G0510

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180713M2-7 PFC CS4 18G0510	8.81e3	98.1	NO
2	2 13C5-PFHxA	ST180713M2-7 PFC CS4 18G0510	9.40e3	101.2	NO
3	3 13C3-PFHxS	ST180713M2-7 PFC CS4 18G0510	2.05e3	90.0	NO
4	4 13C8-PFOA	ST180713M2-7 PFC CS4 18G0510	1.04e4	96.5	NO
5	5 13C9-PFNA	ST180713M2-7 PFC CS4 18G0510	9.62e3	98.3	NO
6	6 13C4-PFOS	ST180713M2-7 PFC CS4 18G0510	2.55e3	104.1	NO
7	7 13C6-PFDA	ST180713M2-7 PFC CS4 18G0510	1.04e4	92.8	NO
8	8 13C7-PFUdA	ST180713M2-7 PFC CS4 18G0510	1.56e4	100.1	NO

Name: 180713M2_9, Date: 13-Jul-2018, Time: 17:45:50, ID: ST180713M2-8 PFC CS5 18G0511, Description: PFC CS5 18G0511

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180713M2-8 PFC CS5 18G0511	7.76e3	86.4	NO
2	2 13C5-PFHxA	ST180713M2-8 PFC CS5 18G0511	1.00e4	107.6	NO
3	3 13C3-PFHxS	ST180713M2-8 PFC CS5 18G0511	2.17e3	95.4	NO
4	4 13C8-PFOA	ST180713M2-8 PFC CS5 18G0511	1.10e4	102.9	NO
5	5 13C9-PFNA	ST180713M2-8 PFC CS5 18G0511	1.14e4	117.1	NO
6	6 13C4-PFOS	ST180713M2-8 PFC CS5 18G0511	2.91e3	119.1	NO
7	7 13C6-PFDA	ST180713M2-8 PFC CS5 18G0511	1.18e4	105.6	NO
8	8 13C7-PFUdA	ST180713M2-8 PFC CS5 18G0511	1.69e4	108.4	NO

Name: 180713M2_10, Date: 13-Jul-2018, Time: 17:56:15, ID: ST180713M2-9 PFC CS6 18G0512, Description: PFC CS6 18G0512

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180713M2-9 PFC CS6 18G0512	7.87e3	87.7	NO
2	2 13C5-PFHxA	ST180713M2-9 PFC CS6 18G0512	9.15e3	98.5	NO
3	3 13C3-PFHxS	ST180713M2-9 PFC CS6 18G0512	2.16e3	94.9	NO
4	4 13C8-PFOA	ST180713M2-9 PFC CS6 18G0512	1.03e4	96.4	NO
5	5 13C9-PFNA	ST180713M2-9 PFC CS6 18G0512	1.07e4	109.2	NO
6	6 13C4-PFOS	ST180713M2-9 PFC CS6 18G0512	2.35e3	96.1	NO
7	7 13C6-PFDA	ST180713M2-9 PFC CS6 18G0512	1.13e4	101.1	NO
8	8 13C7-PFUdA	ST180713M2-9 PFC CS6 18G0512	1.50e4	96.4	NO

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Name: 180713M2_11, Date: 13-Jul-2018, Time: 18:06:45, ID: ST180713M2-10 PFC CS7 18G0513, Description: PFC CS7 18G0513

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180713M2-10 PFC CS7 18G0513	8.50e3	94.7	NO
2	2 13C5-PFHxA	ST180713M2-10 PFC CS7 18G0513	8.18e3	88.0	NO
3	3 13C3-PFHxS	ST180713M2-10 PFC CS7 18G0513	1.78e3	78.1	NO
4	4 13C8-PFOA	ST180713M2-10 PFC CS7 18G0513	8.67e3	80.7	NO
5	5 13C9-PFNA	ST180713M2-10 PFC CS7 18G0513	9.08e3	92.9	NO
6	6 13C4-PFOS	ST180713M2-10 PFC CS7 18G0513	2.12e3	86.7	NO
7	7 13C6-PFDA	ST180713M2-10 PFC CS7 18G0513	9.43e3	84.2	NO
8	8 13C7-PFUdA	ST180713M2-10 PFC CS7 18G0513	1.25e4	80.1	NO

Name: 180713M2_12, Date: 13-Jul-2018, Time: 18:17:33, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUdA	IPA			NO

Name: 180713M2_13, Date: 13-Jul-2018, Time: 18:27:59, ID: ICV180713M2-1 PFC 537 ICV 18G0514, Description: PFC 537 ICV 18G0514

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ICV180713M2-1 PFC 537 ICV 18G0514	7.70e3	85.8	NO
2	2 13C5-PFHxA	ICV180713M2-1 PFC 537 ICV 18G0514	1.03e4	110.8	NO
3	3 13C3-PFHxS	ICV180713M2-1 PFC 537 ICV 18G0514	2.26e3	99.5	NO
4	4 13C8-PFOA	ICV180713M2-1 PFC 537 ICV 18G0514	1.16e4	107.7	NO
5	5 13C9-PFNA	ICV180713M2-1 PFC 537 ICV 18G0514	1.12e4	114.1	NO
6	6 13C4-PFOS	ICV180713M2-1 PFC 537 ICV 18G0514	2.79e3	113.9	NO
7	7 13C6-PFDA	ICV180713M2-1 PFC 537 ICV 18G0514	1.26e4	112.9	NO
8	8 13C7-PFUdA	ICV180713M2-1 PFC 537 ICV 18G0514	1.87e4	120.1	NO

Name: 180713M2_14, Date: 13-Jul-2018, Time: 18:38:29, ID: B8F0196-BS1 OPR 1, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8F0196-BS1 OPR 1	7.61e3	84.8	NO
2	2 13C5-PFHxA	B8F0196-BS1 OPR 1	8.16e3	87.8	NO
3	3 13C3-PFHxS	B8F0196-BS1 OPR 1	2.08e3	91.4	NO
4	4 13C8-PFOA	B8F0196-BS1 OPR 1	9.58e3	89.2	NO
5	5 13C9-PFNA	B8F0196-BS1 OPR 1	9.79e3	100.1	NO
6	6 13C4-PFOS	B8F0196-BS1 OPR 1	2.63e3	107.6	NO
7	7 13C6-PFDA	B8F0196-BS1 OPR 1	1.02e4	90.7	NO
8	8 13C7-PFUdA	B8F0196-BS1 OPR 1	1.50e4	96.4	NO

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-IIS AREAS.qld

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Name: 180713M2_15, Date: 13-Jul-2018, Time: 18:48:59, ID: B8F0196-MS1 Matrix Spike 1.01, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8F0196-MS1 Matrix Spike 1.01	7.80e3	86.9	NO
2	2 13C5-PFHxA	B8F0196-MS1 Matrix Spike 1.01	8.40e3	90.4	NO
3	3 13C3-PFHxS	B8F0196-MS1 Matrix Spike 1.01	2.04e3	89.7	NO
4	4 13C8-PFOA	B8F0196-MS1 Matrix Spike 1.01	1.07e4	99.3	NO
5	5 13C9-PFNA	B8F0196-MS1 Matrix Spike 1.01	9.05e3	92.6	NO
6	6 13C4-PFOS	B8F0196-MS1 Matrix Spike 1.01	2.37e3	96.7	NO
7	7 13C6-PFDA	B8F0196-MS1 Matrix Spike 1.01	1.17e4	104.4	NO
8	8 13C7-PFUdA	B8F0196-MS1 Matrix Spike 1.01	1.64e4	105.4	NO

Name: 180713M2_16, Date: 13-Jul-2018, Time: 18:59:24, ID: B8F0196-MSD1 Matrix Spike Dup 1.01, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8F0196-MSD1 Matrix Spike Dup 1.01	8.20e3	91.3	NO
2	2 13C5-PFHxA	B8F0196-MSD1 Matrix Spike Dup 1.01	9.11e3	98.0	NO
3	3 13C3-PFHxS	B8F0196-MSD1 Matrix Spike Dup 1.01	2.15e3	94.5	NO
4	4 13C8-PFOA	B8F0196-MSD1 Matrix Spike Dup 1.01	9.83e3	91.6	NO
5	5 13C9-PFNA	B8F0196-MSD1 Matrix Spike Dup 1.01	1.05e4	107.8	NO
6	6 13C4-PFOS	B8F0196-MSD1 Matrix Spike Dup 1.01	2.68e3	109.6	NO
7	7 13C6-PFDA	B8F0196-MSD1 Matrix Spike Dup 1.01	1.24e4	110.8	NO
8	8 13C7-PFUdA	B8F0196-MSD1 Matrix Spike Dup 1.01	1.74e4	111.5	NO

Name: 180713M2_17, Date: 13-Jul-2018, Time: 19:09:54, ID: B8F0196-BLK1 Method Blank 1, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8F0196-BLK1 Method Blank 1	7.62e3	84.8	NO
2	2 13C5-PFHxA	B8F0196-BLK1 Method Blank 1	8.23e3	88.5	NO
3	3 13C3-PFHxS	B8F0196-BLK1 Method Blank 1	2.03e3	89.0	NO
4	4 13C8-PFOA	B8F0196-BLK1 Method Blank 1	9.46e3	88.1	NO
5	5 13C9-PFNA	B8F0196-BLK1 Method Blank 1	1.05e4	107.8	NO
6	6 13C4-PFOS	B8F0196-BLK1 Method Blank 1	2.44e3	99.6	NO
7	7 13C6-PFDA	B8F0196-BLK1 Method Blank 1	1.08e4	96.9	NO
8	8 13C7-PFUdA	B8F0196-BLK1 Method Blank 1	1.37e4	88.1	NO

Name: 180713M2_18, Date: 13-Jul-2018, Time: 19:20:16, ID: 1801388-03 MCLPCH292 1.04, Description: MCLPCH292

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801388-03 MCLPCH292 1.04	8.05e3	89.7	NO
2	2 13C5-PFHxA	1801388-03 MCLPCH292 1.04	8.92e3	96.0	NO
3	3 13C3-PFHxS	1801388-03 MCLPCH292 1.04	2.20e3	96.7	NO
4	4 13C8-PFOA	1801388-03 MCLPCH292 1.04	9.87e3	91.9	NO
5	5 13C9-PFNA	1801388-03 MCLPCH292 1.04	1.00e4	102.6	NO
6	6 13C4-PFOS	1801388-03 MCLPCH292 1.04	2.57e3	104.9	NO
7	7 13C6-PFDA	1801388-03 MCLPCH292 1.04	1.12e4	99.6	NO
8	8 13C7-PFUdA	1801388-03 MCLPCH292 1.04	1.67e4	107.3	NO

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Name: 180713M2_19, Date: 13-Jul-2018, Time: 19:30:46, ID: 1801388-04 MCLPCH298 1.01, Description: MCLPCH298

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-04 MCLPCH298 1.01	7.82e3	87.1	NO
2	2	13C5-PFHxA	1801388-04 MCLPCH298 1.01	8.49e3	91.4	NO
3	3	13C3-PFHxS	1801388-04 MCLPCH298 1.01	2.01e3	88.2	NO
4	4	13C8-PFOA	1801388-04 MCLPCH298 1.01	9.54e3	88.8	NO
5	5	13C9-PFNA	1801388-04 MCLPCH298 1.01	1.04e4	106.4	NO
6	6	13C4-PFOS	1801388-04 MCLPCH298 1.01	2.44e3	99.8	NO
7	7	13C6-PFDA	1801388-04 MCLPCH298 1.01	1.00e4	89.6	NO
8	8	13C7-PFUdA	1801388-04 MCLPCH298 1.01	1.42e4	90.9	NO

Name: 180713M2_20, Date: 13-Jul-2018, Time: 19:41:17, ID: 1801388-06 MCLPCH305 1.13, Description: MCLPCH305

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-06 MCLPCH305 1.13	7.93e3	88.3	NO
2	2	13C5-PFHxA	1801388-06 MCLPCH305 1.13	8.98e3	96.6	NO
3	3	13C3-PFHxS	1801388-06 MCLPCH305 1.13	2.07e3	91.1	NO
4	4	13C8-PFOA	1801388-06 MCLPCH305 1.13	1.04e4	97.2	NO
5	5	13C9-PFNA	1801388-06 MCLPCH305 1.13	1.01e4	103.7	NO
6	6	13C4-PFOS	1801388-06 MCLPCH305 1.13	2.51e3	102.7	NO
7	7	13C6-PFDA	1801388-06 MCLPCH305 1.13	1.11e4	99.5	NO
8	8	13C7-PFUdA	1801388-06 MCLPCH305 1.13	1.64e4	105.0	NO

Name: 180713M2_21, Date: 13-Jul-2018, Time: 19:51:47, ID: 1801388-07 MCLPCH306 1.35, Description: MCLPCH306

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-07 MCLPCH306 1.35	6.97e3	77.7	NO
2	2	13C5-PFHxA	1801388-07 MCLPCH306 1.35	7.91e3	85.2	NO
3	3	13C3-PFHxS	1801388-07 MCLPCH306 1.35	2.01e3	88.2	NO
4	4	13C8-PFOA	1801388-07 MCLPCH306 1.35	8.60e3	80.1	NO
5	5	13C9-PFNA	1801388-07 MCLPCH306 1.35	8.83e3	90.3	NO
6	6	13C4-PFOS	1801388-07 MCLPCH306 1.35	1.99e3	81.1	NO
7	7	13C6-PFDA	1801388-07 MCLPCH306 1.35	8.89e3	79.4	NO
8	8	13C7-PFUdA	1801388-07 MCLPCH306 1.35	1.31e4	83.7	NO

Name: 180713M2_22, Date: 13-Jul-2018, Time: 20:02:12, ID: 1801388-09 MCLPCH308 1.22, Description: MCLPCH308

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-09 MCLPCH308 1.22	6.86e3	76.4	NO
2	2	13C5-PFHxA	1801388-09 MCLPCH308 1.22	7.57e3	81.4	NO
3	3	13C3-PFHxS	1801388-09 MCLPCH308 1.22	1.73e3	75.9	NO
4	4	13C8-PFOA	1801388-09 MCLPCH308 1.22	8.33e3	77.6	NO
5	5	13C9-PFNA	1801388-09 MCLPCH308 1.22	8.79e3	89.9	NO
6	6	13C4-PFOS	1801388-09 MCLPCH308 1.22	2.40e3	97.9	NO
7	7	13C6-PFDA	1801388-09 MCLPCH308 1.22	9.52e3	85.0	NO
8	8	13C7-PFUdA	1801388-09 MCLPCH308 1.22	1.31e4	83.9	NO

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Name: 180713M2_23, Date: 13-Jul-2018, Time: 20:12:43, ID: 1801388-10 MCLPCH309 1.32, Description: MCLPCH309

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-10 MCLPCH309 1.32	7.08e3	78.9	NO
2	2	13C5-PFHxA	1801388-10 MCLPCH309 1.32	8.07e3	86.9	NO
3	3	13C3-PFHxS	1801388-10 MCLPCH309 1.32	1.86e3	81.7	NO
4	4	13C8-PFOA	1801388-10 MCLPCH309 1.32	8.90e3	82.9	NO
5	5	13C9-PFNA	1801388-10 MCLPCH309 1.32	8.86e3	90.6	NO
6	6	13C4-PFOS	1801388-10 MCLPCH309 1.32	2.05e3	83.7	NO
7	7	13C6-PFDA	1801388-10 MCLPCH309 1.32	9.67e3	86.4	NO
8	8	13C7-PFUdA	1801388-10 MCLPCH309 1.32	1.33e4	85.1	NO

Name: 180713M2_24, Date: 13-Jul-2018, Time: 20:23:07, ID: 1801388-11 MCLPCH314 1.25, Description: MCLPCH314

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-11 MCLPCH314 1.25	7.61e3	84.8	NO
2	2	13C5-PFHxA	1801388-11 MCLPCH314 1.25	8.24e3	88.7	NO
3	3	13C3-PFHxS	1801388-11 MCLPCH314 1.25	1.98e3	86.8	NO
4	4	13C8-PFOA	1801388-11 MCLPCH314 1.25	9.73e3	90.6	NO
5	5	13C9-PFNA	1801388-11 MCLPCH314 1.25	8.92e3	91.2	NO
6	6	13C4-PFOS	1801388-11 MCLPCH314 1.25	2.46e3	100.6	NO
7	7	13C6-PFDA	1801388-11 MCLPCH314 1.25	1.07e4	95.5	NO
8	8	13C7-PFUdA	1801388-11 MCLPCH314 1.25	1.39e4	88.9	NO

Name: 180713M2_25, Date: 13-Jul-2018, Time: 20:33:37, ID: 1801388-12 MCLPCH315 1.36, Description: MCLPCH315

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-12 MCLPCH315 1.36	6.60e3	73.5	NO
2	2	13C5-PFHxA	1801388-12 MCLPCH315 1.36	6.98e3	75.1	NO
3	3	13C3-PFHxS	1801388-12 MCLPCH315 1.36	1.77e3	77.9	NO
4	4	13C8-PFOA	1801388-12 MCLPCH315 1.36	8.06e3	75.0	NO
5	5	13C9-PFNA	1801388-12 MCLPCH315 1.36	8.80e3	90.0	NO
6	6	13C4-PFOS	1801388-12 MCLPCH315 1.36	2.02e3	82.7	NO
7	7	13C6-PFDA	1801388-12 MCLPCH315 1.36	8.78e3	78.5	NO
8	8	13C7-PFUdA	1801388-12 MCLPCH315 1.36	1.26e4	80.6	NO

Name: 180713M2_26, Date: 13-Jul-2018, Time: 20:44:02, ID: 1801388-13 MCLPCH324 1.07, Description: MCLPCH324

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-13 MCLPCH324 1.07	7.14e3	79.6	NO
2	2	13C5-PFHxA	1801388-13 MCLPCH324 1.07	8.34e3	89.7	NO
3	3	13C3-PFHxS	1801388-13 MCLPCH324 1.07	2.01e3	88.3	NO
4	4	13C8-PFOA	1801388-13 MCLPCH324 1.07	9.39e3	87.4	NO
5	5	13C9-PFNA	1801388-13 MCLPCH324 1.07	9.04e3	92.5	NO
6	6	13C4-PFOS	1801388-13 MCLPCH324 1.07	2.30e3	93.9	NO
7	7	13C6-PFDA	1801388-13 MCLPCH324 1.07	9.46e3	84.5	NO
8	8	13C7-PFUdA	1801388-13 MCLPCH324 1.07	1.47e4	94.4	NO

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Name: 180713M2_27, Date: 13-Jul-2018, Time: 20:54:32, ID: 1801388-14 MCLPCH323 1.43, Description: MCLPCH323

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-14 MCLPCH323 1.43	6.64e3	73.9	NO
2	2	13C5-PFHxA	1801388-14 MCLPCH323 1.43	7.72e3	83.1	NO
3	3	13C3-PFHxS	1801388-14 MCLPCH323 1.43	1.82e3	79.9	NO
4	4	13C8-PFOA	1801388-14 MCLPCH323 1.43	8.22e3	76.6	NO
5	5	13C9-PFNA	1801388-14 MCLPCH323 1.43	9.02e3	92.2	NO
6	6	13C4-PFOS	1801388-14 MCLPCH323 1.43	1.95e3	79.6	NO
7	7	13C6-PFDA	1801388-14 MCLPCH323 1.43	9.41e3	84.1	NO
8	8	13C7-PFUdA	1801388-14 MCLPCH323 1.43	1.28e4	82.0	NO

Name: 180713M2_28, Date: 13-Jul-2018, Time: 21:04:57, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA			NO

Name: 180713M2_29, Date: 13-Jul-2018, Time: 21:15:27, ID: ST180713M2-11 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180713M2-11 PFC CS3 18G0509	7.51e3	83.6	NO
2	2	13C5-PFHxA	ST180713M2-11 PFC CS3 18G0509	1.06e4	114.4	NO
3	3	13C3-PFHxS	ST180713M2-11 PFC CS3 18G0509	2.32e3	101.7	NO
4	4	13C8-PFOA	ST180713M2-11 PFC CS3 18G0509	1.18e4	110.1	NO
5	5	13C9-PFNA	ST180713M2-11 PFC CS3 18G0509	1.16e4	118.2	NO
6	6	13C4-PFOS	ST180713M2-11 PFC CS3 18G0509	2.72e3	111.3	NO
7	7	13C6-PFDA	ST180713M2-11 PFC CS3 18G0509	1.32e4	117.9	NO
8	8	13C7-PFUdA	ST180713M2-11 PFC CS3 18G0509	1.71e4	110.0	NO

Name: 180713M2_30, Date: 13-Jul-2018, Time: 21:25:52, ID: 1801388-15 MCLPCH320 1.1, Description: MCLPCH320

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-15 MCLPCH320 1.1	6.39e3	71.2	NO
2	2	13C5-PFHxA	1801388-15 MCLPCH320 1.1	7.34e3	79.0	NO
3	3	13C3-PFHxS	1801388-15 MCLPCH320 1.1	1.77e3	77.9	NO
4	4	13C8-PFOA	1801388-15 MCLPCH320 1.1	8.17e3	76.1	NO
5	5	13C9-PFNA	1801388-15 MCLPCH320 1.1	8.26e3	84.5	NO
6	6	13C4-PFOS	1801388-15 MCLPCH320 1.1	2.10e3	85.8	NO
7	7	13C6-PFDA	1801388-15 MCLPCH320 1.1	8.84e3	79.0	NO
8	8	13C7-PFUdA	1801388-15 MCLPCH320 1.1	1.19e4	76.5	NO

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Name: 180713M2_31, Date: 13-Jul-2018, Time: 21:36:23, ID: 1801388-16 MCLPCH321 1.05, Description: MCLPCH321

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-16 MCLPCH321 1.05	7.45e3	83.0	NO
2	2	13C5-PFHxA	1801388-16 MCLPCH321 1.05	8.21e3	88.4	NO
3	3	13C3-PFHxS	1801388-16 MCLPCH321 1.05	1.92e3	84.3	NO
4	4	13C8-PFOA	1801388-16 MCLPCH321 1.05	9.40e3	87.5	NO
5	5	13C9-PFNA	1801388-16 MCLPCH321 1.05	9.11e3	93.2	NO
6	6	13C4-PFOS	1801388-16 MCLPCH321 1.05	2.57e3	105.0	NO
7	7	13C6-PFDA	1801388-16 MCLPCH321 1.05	1.06e4	95.0	NO
8	8	13C7-PFUdA	1801388-16 MCLPCH321 1.05	1.36e4	87.0	NO

Name: 180713M2_32, Date: 13-Jul-2018, Time: 21:46:47, ID: 1801388-17 MCLPCH392 1.05, Description: MCLPCH392

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-17 MCLPCH392 1.05	6.97e3	77.7	NO
2	2	13C5-PFHxA	1801388-17 MCLPCH392 1.05	7.69e3	82.8	NO
3	3	13C3-PFHxS	1801388-17 MCLPCH392 1.05	1.80e3	79.2	NO
4	4	13C8-PFOA	1801388-17 MCLPCH392 1.05	8.89e3	82.8	NO
5	5	13C9-PFNA	1801388-17 MCLPCH392 1.05	8.43e3	86.2	NO
6	6	13C4-PFOS	1801388-17 MCLPCH392 1.05	2.34e3	95.6	NO
7	7	13C6-PFDA	1801388-17 MCLPCH392 1.05	9.31e3	83.2	NO
8	8	13C7-PFUdA	1801388-17 MCLPCH392 1.05	1.15e4	73.8	NO

Name: 180713M2_33, Date: 13-Jul-2018, Time: 21:57:18, ID: 1801388-18 MCLPCH293 1.13, Description: MCLPCH293

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-18 MCLPCH293 1.13	7.12e3	79.3	NO
2	2	13C5-PFHxA	1801388-18 MCLPCH293 1.13	8.05e3	86.7	NO
3	3	13C3-PFHxS	1801388-18 MCLPCH293 1.13	1.87e3	82.3	NO
4	4	13C8-PFOA	1801388-18 MCLPCH293 1.13	8.72e3	81.2	NO
5	5	13C9-PFNA	1801388-18 MCLPCH293 1.13	8.62e3	88.1	NO
6	6	13C4-PFOS	1801388-18 MCLPCH293 1.13	2.23e3	91.0	NO
7	7	13C6-PFDA	1801388-18 MCLPCH293 1.13	1.03e4	92.3	NO
8	8	13C7-PFUdA	1801388-18 MCLPCH293 1.13	1.22e4	78.6	NO

Name: 180713M2_34, Date: 13-Jul-2018, Time: 22:07:42, ID: 1801388-19 MCLPCH294 1.2, Description: MCLPCH294

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801388-19 MCLPCH294 1.2	6.91e3	76.9	NO
2	2	13C5-PFHxA	1801388-19 MCLPCH294 1.2	7.97e3	85.8	NO
3	3	13C3-PFHxS	1801388-19 MCLPCH294 1.2	1.84e3	80.8	NO
4	4	13C8-PFOA	1801388-19 MCLPCH294 1.2	8.78e3	81.8	NO
5	5	13C9-PFNA	1801388-19 MCLPCH294 1.2	8.71e3	89.1	NO
6	6	13C4-PFOS	1801388-19 MCLPCH294 1.2	2.14e3	87.4	NO
7	7	13C6-PFDA	1801388-19 MCLPCH294 1.2	9.07e3	81.0	NO
8	8	13C7-PFUdA	1801388-19 MCLPCH294 1.2	1.20e4	77.3	NO

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Name: 180713M2_35, Date: 13-Jul-2018, Time: 22:18:13, ID: B8G0003-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0003-BS1 OPR 0.125	5.15e3	57.3	NO
2	2	13C5-PFHxA	B8G0003-BS1 OPR 0.125	6.27e3	67.5	NO
3	3	13C3-PFHxS	B8G0003-BS1 OPR 0.125	1.67e3	73.3	NO
4	4	13C8-PFOA	B8G0003-BS1 OPR 0.125	6.89e3	64.2	NO
5	5	13C9-PFNA	B8G0003-BS1 OPR 0.125	7.36e3	75.3	NO
6	6	13C4-PFOS	B8G0003-BS1 OPR 0.125	1.98e3	80.8	NO
7	7	13C6-PFDA	B8G0003-BS1 OPR 0.125	8.83e3	78.9	NO
8	8	13C7-PFUdA	B8G0003-BS1 OPR 0.125	1.20e4	76.8	NO

Name: 180713M2_36, Date: 13-Jul-2018, Time: 22:28:37, ID: B8G0003-MS1 Matrix Spike 0.11902, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0003-MS1 Matrix Spike 0.11902	4.82e3	53.7	NO
2	2	13C5-PFHxA	B8G0003-MS1 Matrix Spike 0.11902	5.61e3	60.3	NO
3	3	13C3-PFHxS	B8G0003-MS1 Matrix Spike 0.11902	1.53e3	67.1	NO
4	4	13C8-PFOA	B8G0003-MS1 Matrix Spike 0.11902	6.24e3	58.1	NO
5	5	13C9-PFNA	B8G0003-MS1 Matrix Spike 0.11902	6.29e3	64.4	NO
6	6	13C4-PFOS	B8G0003-MS1 Matrix Spike 0.11902	1.80e3	73.7	NO
7	7	13C6-PFDA	B8G0003-MS1 Matrix Spike 0.11902	6.59e3	58.9	NO
8	8	13C7-PFUdA	B8G0003-MS1 Matrix Spike 0.11902	7.57e3	48.6	YES

Name: 180713M2_37, Date: 13-Jul-2018, Time: 22:39:08, ID: B8G0003-MSD1 Matrix Spike Dup 0.11745, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0003-MSD1 Matrix Spike Dup 0.117...	5.28e3	58.8	NO
2	2	13C5-PFHxA	B8G0003-MSD1 Matrix Spike Dup 0.117...	5.87e3	63.2	NO
3	3	13C3-PFHxS	B8G0003-MSD1 Matrix Spike Dup 0.117...	1.55e3	68.3	NO
4	4	13C8-PFOA	B8G0003-MSD1 Matrix Spike Dup 0.117...	6.81e3	63.4	NO
5	5	13C9-PFNA	B8G0003-MSD1 Matrix Spike Dup 0.117...	6.57e3	67.1	NO
6	6	13C4-PFOS	B8G0003-MSD1 Matrix Spike Dup 0.117...	1.77e3	72.2	NO
7	7	13C6-PFDA	B8G0003-MSD1 Matrix Spike Dup 0.117...	7.96e3	71.1	NO
8	8	13C7-PFUdA	B8G0003-MSD1 Matrix Spike Dup 0.117...	1.01e4	64.7	NO

Name: 180713M2_38, Date: 13-Jul-2018, Time: 22:49:32, ID: B8G0003-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0003-BLK1 Method Blank 0.125	6.16e3	68.6	NO
2	2	13C5-PFHxA	B8G0003-BLK1 Method Blank 0.125	6.67e3	71.8	NO
3	3	13C3-PFHxS	B8G0003-BLK1 Method Blank 0.125	1.58e3	69.6	NO
4	4	13C8-PFOA	B8G0003-BLK1 Method Blank 0.125	7.68e3	71.5	NO
5	5	13C9-PFNA	B8G0003-BLK1 Method Blank 0.125	7.99e3	81.7	NO
6	6	13C4-PFOS	B8G0003-BLK1 Method Blank 0.125	2.13e3	86.9	NO
7	7	13C6-PFDA	B8G0003-BLK1 Method Blank 0.125	8.75e3	78.2	NO
8	8	13C7-PFUdA	B8G0003-BLK1 Method Blank 0.125	1.05e4	67.6	NO

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Name: 180713M2_39, Date: 13-Jul-2018, Time: 23:00:03, ID: 1801167-01RE1 REEPDW1118FRB 0.11769, Description: REEPDW1118FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801167-01RE1 REEPDW1118FRB 0.1...	5.95e3	66.3	NO
2	2	13C5-PFHxA	1801167-01RE1 REEPDW1118FRB 0.1...	6.25e3	67.3	NO
3	3	13C3-PFHxS	1801167-01RE1 REEPDW1118FRB 0.1...	1.59e3	70.0	NO
4	4	13C8-PFOA	1801167-01RE1 REEPDW1118FRB 0.1...	7.18e3	66.9	NO
5	5	13C9-PFNA	1801167-01RE1 REEPDW1118FRB 0.1...	7.75e3	79.3	NO
6	6	13C4-PFOS	1801167-01RE1 REEPDW1118FRB 0.1...	1.95e3	79.6	NO
7	7	13C6-PFDA	1801167-01RE1 REEPDW1118FRB 0.1...	8.37e3	74.8	NO
8	8	13C7-PFUdA	1801167-01RE1 REEPDW1118FRB 0.1...	1.11e4	71.4	NO

Name: 180713M2_40, Date: 13-Jul-2018, Time: 23:10:25, ID: 1801167-02RE1 REEPDW1113FRB 0.11449, Description: REEPDW1113FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801167-02RE1 REEPDW1113FRB 0.1...	5.16e3	57.5	NO
2	2	13C5-PFHxA	1801167-02RE1 REEPDW1113FRB 0.1...	5.97e3	64.3	NO
3	3	13C3-PFHxS	1801167-02RE1 REEPDW1113FRB 0.1...	1.56e3	68.5	NO
4	4	13C8-PFOA	1801167-02RE1 REEPDW1113FRB 0.1...	6.50e3	60.6	NO
5	5	13C9-PFNA	1801167-02RE1 REEPDW1113FRB 0.1...	7.61e3	77.8	NO
6	6	13C4-PFOS	1801167-02RE1 REEPDW1113FRB 0.1...	1.82e3	74.5	NO
7	7	13C6-PFDA	1801167-02RE1 REEPDW1113FRB 0.1...	7.53e3	67.2	NO
8	8	13C7-PFUdA	1801167-02RE1 REEPDW1113FRB 0.1...	1.02e4	65.5	NO

Name: 180713M2_41, Date: 13-Jul-2018, Time: 23:20:55, ID: 1801167-05RE1 REEPDW1117FRB 0.10602, Description: REEPDW1117FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801167-05RE1 REEPDW1117FRB 0.1...	5.72e3	63.7	NO
2	2	13C5-PFHxA	1801167-05RE1 REEPDW1117FRB 0.1...	6.29e3	67.7	NO
3	3	13C3-PFHxS	1801167-05RE1 REEPDW1117FRB 0.1...	1.58e3	69.3	NO
4	4	13C8-PFOA	1801167-05RE1 REEPDW1117FRB 0.1...	7.07e3	65.8	NO
5	5	13C9-PFNA	1801167-05RE1 REEPDW1117FRB 0.1...	7.76e3	79.4	NO
6	6	13C4-PFOS	1801167-05RE1 REEPDW1117FRB 0.1...	1.84e3	75.2	NO
7	7	13C6-PFDA	1801167-05RE1 REEPDW1117FRB 0.1...	8.10e3	72.4	NO
8	8	13C7-PFUdA	1801167-05RE1 REEPDW1117FRB 0.1...	1.18e4	75.5	NO

Name: 180713M2_42, Date: 13-Jul-2018, Time: 23:31:20, ID: 1801490-01 REEPDW1180 0.11671, Description: REEPDW1180

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801490-01 REEPDW1180 0.11671	5.91e3	65.8	NO
2	2	13C5-PFHxA	1801490-01 REEPDW1180 0.11671	6.58e3	70.8	NO
3	3	13C3-PFHxS	1801490-01 REEPDW1180 0.11671	1.89e3	83.2	NO
4	4	13C8-PFOA	1801490-01 REEPDW1180 0.11671	7.27e3	67.7	NO
5	5	13C9-PFNA	1801490-01 REEPDW1180 0.11671	8.01e3	82.0	NO
6	6	13C4-PFOS	1801490-01 REEPDW1180 0.11671	2.27e3	92.7	NO
7	7	13C6-PFDA	1801490-01 REEPDW1180 0.11671	8.02e3	71.7	NO
8	8	13C7-PFUdA	1801490-01 REEPDW1180 0.11671	1.16e4	74.5	NO

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Name: 180713M2_43, Date: 13-Jul-2018, Time: 23:41:50, ID: 1801490-02 REEPDW567 0.11621, Description: REEPDW567

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801490-02 REEPDW567 0.11621	5.50e3	61.3	NO
2	2 13C5-PFHxA	1801490-02 REEPDW567 0.11621	5.80e3	62.4	NO
3	3 13C3-PFHxS	1801490-02 REEPDW567 0.11621	1.69e3	74.4	NO
4	4 13C8-PFOA	1801490-02 REEPDW567 0.11621	7.03e3	65.4	NO
5	5 13C9-PFNA	1801490-02 REEPDW567 0.11621	7.68e3	78.6	NO
6	6 13C4-PFOS	1801490-02 REEPDW567 0.11621	2.03e3	82.8	NO
7	7 13C6-PFDA	1801490-02 REEPDW567 0.11621	8.14e3	72.7	NO
8	8 13C7-PFUdA	1801490-02 REEPDW567 0.11621	1.15e4	73.5	NO

Name: 180713M2_44, Date: 13-Jul-2018, Time: 23:52:15, ID: 1801490-03 REEPDW1181 0.11605, Description: REEPDW1181

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801490-03 REEPDW1181 0.11605	5.41e3	60.2	NO
2	2 13C5-PFHxA	1801490-03 REEPDW1181 0.11605	6.28e3	67.6	NO
3	3 13C3-PFHxS	1801490-03 REEPDW1181 0.11605	1.49e3	65.4	NO
4	4 13C8-PFOA	1801490-03 REEPDW1181 0.11605	6.63e3	61.7	NO
5	5 13C9-PFNA	1801490-03 REEPDW1181 0.11605	7.35e3	75.1	NO
6	6 13C4-PFOS	1801490-03 REEPDW1181 0.11605	2.20e3	90.1	NO
7	7 13C6-PFDA	1801490-03 REEPDW1181 0.11605	8.06e3	72.0	NO
8	8 13C7-PFUdA	1801490-03 REEPDW1181 0.11605	1.08e4	69.3	NO

Name: 180713M2_45, Date: 14-Jul-2018, Time: 00:02:45, ID: 1801490-04 REEPDW1182 0.11959, Description: REEPDW1182

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801490-04 REEPDW1182 0.11959	6.16e3	68.6	NO
2	2 13C5-PFHxA	1801490-04 REEPDW1182 0.11959	6.77e3	72.9	NO
3	3 13C3-PFHxS	1801490-04 REEPDW1182 0.11959	1.98e3	87.0	NO
4	4 13C8-PFOA	1801490-04 REEPDW1182 0.11959	7.50e3	69.8	NO
5	5 13C9-PFNA	1801490-04 REEPDW1182 0.11959	8.10e3	82.9	NO
6	6 13C4-PFOS	1801490-04 REEPDW1182 0.11959	2.26e3	92.2	NO
7	7 13C6-PFDA	1801490-04 REEPDW1182 0.11959	8.45e3	75.5	NO
8	8 13C7-PFUdA	1801490-04 REEPDW1182 0.11959	1.26e4	80.8	NO

Name: 180713M2_46, Date: 14-Jul-2018, Time: 00:13:10, ID: 1801490-05 REEPDW1183 0.11851, Description: REEPDW1183

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801490-05 REEPDW1183 0.11851	6.89e3	76.8	NO
2	2 13C5-PFHxA	1801490-05 REEPDW1183 0.11851	7.83e3	84.2	NO
3	3 13C3-PFHxS	1801490-05 REEPDW1183 0.11851	2.01e3	88.1	NO
4	4 13C8-PFOA	1801490-05 REEPDW1183 0.11851	8.51e3	79.3	NO
5	5 13C9-PFNA	1801490-05 REEPDW1183 0.11851	8.59e3	87.8	NO
6	6 13C4-PFOS	1801490-05 REEPDW1183 0.11851	2.38e3	97.1	NO
7	7 13C6-PFDA	1801490-05 REEPDW1183 0.11851	9.04e3	80.7	NO
8	8 13C7-PFUdA	1801490-05 REEPDW1183 0.11851	1.42e4	91.3	NO

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Name: 180713M2_47, Date: 14-Jul-2018, Time: 00:23:41, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA	5.07e0	0.0	YES

Name: 180713M2_48, Date: 14-Jul-2018, Time: 00:34:05, ID: ST180713M2-12 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180713M2-12 PFC CS3 18G0509	7.23e3	80.5	NO
2	2	13C5-PFHxA	ST180713M2-12 PFC CS3 18G0509	1.19e4	128.0	NO
3	3	13C3-PFHxS	ST180713M2-12 PFC CS3 18G0509	2.50e3	109.7	NO
4	4	13C8-PFOA	ST180713M2-12 PFC CS3 18G0509	1.18e4	109.8	NO
5	5	13C9-PFNA	ST180713M2-12 PFC CS3 18G0509	1.18e4	121.0	NO
6	6	13C4-PFOS	ST180713M2-12 PFC CS3 18G0509	2.96e3	120.9	NO
7	7	13C6-PFDA	ST180713M2-12 PFC CS3 18G0509	1.25e4	112.1	NO
8	8	13C7-PFUdA	ST180713M2-12 PFC CS3 18G0509	1.75e4	112.2	NO

Name: 180713M2_49, Date: 14-Jul-2018, Time: 00:44:36, ID: 1801490-06 REEPDW1184 0.11562, Description: REEPDW1184

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801490-06 REEPDW1184 0.11562	6.59e3	73.4	NO
2	2	13C5-PFHxA	1801490-06 REEPDW1184 0.11562	7.09e3	76.3	NO
3	3	13C3-PFHxS	1801490-06 REEPDW1184 0.11562	1.87e3	82.1	NO
4	4	13C8-PFOA	1801490-06 REEPDW1184 0.11562	8.01e3	74.6	NO
5	5	13C9-PFNA	1801490-06 REEPDW1184 0.11562	7.70e3	78.7	NO
6	6	13C4-PFOS	1801490-06 REEPDW1184 0.11562	1.87e3	76.4	NO
7	7	13C6-PFDA	1801490-06 REEPDW1184 0.11562	9.27e3	82.8	NO
8	8	13C7-PFUdA	1801490-06 REEPDW1184 0.11562	1.35e4	86.6	NO

Name: 180713M2_50, Date: 14-Jul-2018, Time: 00:55:00, ID: 1801490-07 REEPDW1185 0.11546, Description: REEPDW1185

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801490-07 REEPDW1185 0.11546	6.03e3	67.2	NO
2	2	13C5-PFHxA	1801490-07 REEPDW1185 0.11546	6.82e3	73.4	NO
3	3	13C3-PFHxS	1801490-07 REEPDW1185 0.11546	1.81e3	79.5	NO
4	4	13C8-PFOA	1801490-07 REEPDW1185 0.11546	6.94e3	64.6	NO
5	5	13C9-PFNA	1801490-07 REEPDW1185 0.11546	7.31e3	74.7	NO
6	6	13C4-PFOS	1801490-07 REEPDW1185 0.11546	2.01e3	81.9	NO
7	7	13C6-PFDA	1801490-07 REEPDW1185 0.11546	8.59e3	76.8	NO
8	8	13C7-PFUdA	1801490-07 REEPDW1185 0.11546	1.22e4	78.5	NO

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Name: 180713M2_51, Date: 14-Jul-2018, Time: 01:05:31, ID: 1801491-01 REEPDW1180FRB 0.11925, Description: REEPDW1180FRB

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801491-01 REEPDW1180FRB 0.11925	7.27e3	81.0	NO
2	2 13C5-PFHxA	1801491-01 REEPDW1180FRB 0.11925	7.91e3	85.2	NO
3	3 13C3-PFHxS	1801491-01 REEPDW1180FRB 0.11925	1.93e3	84.9	NO
4	4 13C8-PFOA	1801491-01 REEPDW1180FRB 0.11925	8.75e3	81.5	NO
5	5 13C9-PFNA	1801491-01 REEPDW1180FRB 0.11925	9.60e3	98.1	NO
6	6 13C4-PFOS	1801491-01 REEPDW1180FRB 0.11925	2.32e3	94.7	NO
7	7 13C6-PFDA	1801491-01 REEPDW1180FRB 0.11925	9.68e3	86.5	NO
8	8 13C7-PFUdA	1801491-01 REEPDW1180FRB 0.11925	1.25e4	80.3	NO

Name: 180713M2_52, Date: 14-Jul-2018, Time: 01:15:56, ID: 1801491-02 REEPDW1181FRB 0.11884, Description: REEPDW1181FRB

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801491-02 REEPDW1181FRB 0.11884	7.36e3	82.0	NO
2	2 13C5-PFHxA	1801491-02 REEPDW1181FRB 0.11884	8.21e3	88.4	NO
3	3 13C3-PFHxS	1801491-02 REEPDW1181FRB 0.11884	2.04e3	89.5	NO
4	4 13C8-PFOA	1801491-02 REEPDW1181FRB 0.11884	8.83e3	82.2	NO
5	5 13C9-PFNA	1801491-02 REEPDW1181FRB 0.11884	8.69e3	88.9	NO
6	6 13C4-PFOS	1801491-02 REEPDW1181FRB 0.11884	2.42e3	98.9	NO
7	7 13C6-PFDA	1801491-02 REEPDW1181FRB 0.11884	9.74e3	87.0	NO
8	8 13C7-PFUdA	1801491-02 REEPDW1181FRB 0.11884	1.34e4	85.9	NO

Name: 180713M2_53, Date: 14-Jul-2018, Time: 01:26:27, ID: 1801491-03 REEPDW1182FRB 0.11814, Description: REEPDW1182FRB

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801491-03 REEPDW1182FRB 0.11814	6.69e3	74.5	NO
2	2 13C5-PFHxA	1801491-03 REEPDW1182FRB 0.11814	7.31e3	78.6	NO
3	3 13C3-PFHxS	1801491-03 REEPDW1182FRB 0.11814	1.75e3	76.9	NO
4	4 13C8-PFOA	1801491-03 REEPDW1182FRB 0.11814	8.04e3	74.8	NO
5	5 13C9-PFNA	1801491-03 REEPDW1182FRB 0.11814	8.22e3	84.1	NO
6	6 13C4-PFOS	1801491-03 REEPDW1182FRB 0.11814	2.07e3	84.6	NO
7	7 13C6-PFDA	1801491-03 REEPDW1182FRB 0.11814	8.52e3	76.1	NO
8	8 13C7-PFUdA	1801491-03 REEPDW1182FRB 0.11814	1.26e4	80.9	NO

Name: 180713M2_54, Date: 14-Jul-2018, Time: 01:36:52, ID: 1801491-04 REEPDW1183FRB 0.11809, Description: REEPDW1183FRB

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801491-04 REEPDW1183FRB 0.11809	6.69e3	74.5	NO
2	2 13C5-PFHxA	1801491-04 REEPDW1183FRB 0.11809	8.05e3	86.7	NO
3	3 13C3-PFHxS	1801491-04 REEPDW1183FRB 0.11809	1.76e3	77.5	NO
4	4 13C8-PFOA	1801491-04 REEPDW1183FRB 0.11809	8.48e3	79.0	NO
5	5 13C9-PFNA	1801491-04 REEPDW1183FRB 0.11809	8.86e3	90.7	NO
6	6 13C4-PFOS	1801491-04 REEPDW1183FRB 0.11809	2.10e3	85.7	NO
7	7 13C6-PFDA	1801491-04 REEPDW1183FRB 0.11809	9.34e3	83.4	NO
8	8 13C7-PFUdA	1801491-04 REEPDW1183FRB 0.11809	1.28e4	81.8	NO

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Name: 180713M2_55, Date: 14-Jul-2018, Time: 01:47:14, ID: 1801491-05 REEPDW1184FRB 0.11912, Description: REEPDW1184FRB

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801491-05 REEPDW1184FRB 0.11912	7.20e3	80.2	NO
2	2 13C5-PFHxA	1801491-05 REEPDW1184FRB 0.11912	8.27e3	89.0	NO
3	3 13C3-PFHxS	1801491-05 REEPDW1184FRB 0.11912	2.09e3	91.8	NO
4	4 13C8-PFOA	1801491-05 REEPDW1184FRB 0.11912	8.79e3	81.8	NO
5	5 13C9-PFNA	1801491-05 REEPDW1184FRB 0.11912	9.30e3	95.1	NO
6	6 13C4-PFOS	1801491-05 REEPDW1184FRB 0.11912	2.69e3	109.9	NO
7	7 13C6-PFDA	1801491-05 REEPDW1184FRB 0.11912	9.82e3	87.8	NO
8	8 13C7-PFUdA	1801491-05 REEPDW1184FRB 0.11912	1.44e4	92.2	NO

Name: 180713M2_56, Date: 14-Jul-2018, Time: 01:57:44, ID: 1801491-06 REEPDW1185FRB 0.11729, Description: REEPDW1185FRB

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801491-06 REEPDW1185FRB 0.11729	1.05e4	116.6	NO
2	2 13C5-PFHxA	1801491-06 REEPDW1185FRB 0.11729	1.22e4	130.8	NO
3	3 13C3-PFHxS	1801491-06 REEPDW1185FRB 0.11729	3.09e3	135.7	NO
4	4 13C8-PFOA	1801491-06 REEPDW1185FRB 0.11729	1.24e4	115.5	NO
5	5 13C9-PFNA	1801491-06 REEPDW1185FRB 0.11729	1.47e4	150.5	YES
6	6 13C4-PFOS	1801491-06 REEPDW1185FRB 0.11729	3.31e3	135.2	NO
7	7 13C6-PFDA	1801491-06 REEPDW1185FRB 0.11729	1.54e4	137.6	NO
8	8 13C7-PFUdA	1801491-06 REEPDW1185FRB 0.11729	1.99e4	127.8	NO

Name: 180713M2_57, Date: 14-Jul-2018, Time: 02:08:09, ID: B8G0006-BS1 OPR 0.25, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0006-BS1 OPR 0.25	7.39e3	82.4	NO
2	2 13C5-PFHxA	B8G0006-BS1 OPR 0.25	8.47e3	91.2	NO
3	3 13C3-PFHxS	B8G0006-BS1 OPR 0.25	2.01e3	88.3	NO
4	4 13C8-PFOA	B8G0006-BS1 OPR 0.25	1.00e4	93.2	NO
5	5 13C9-PFNA	B8G0006-BS1 OPR 0.25	9.52e3	97.3	NO
6	6 13C4-PFOS	B8G0006-BS1 OPR 0.25	2.38e3	97.2	NO
7	7 13C6-PFDA	B8G0006-BS1 OPR 0.25	9.77e3	87.3	NO
8	8 13C7-PFUdA	B8G0006-BS1 OPR 0.25	1.56e4	100.3	NO

Name: 180713M2_58, Date: 14-Jul-2018, Time: 02:18:39, ID: B8G0006-MS1 Matrix Spike 0.24814, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0006-MS1 Matrix Spike 0.24814	8.95e3	99.7	NO
2	2 13C5-PFHxA	B8G0006-MS1 Matrix Spike 0.24814	9.63e3	103.6	NO
3	3 13C3-PFHxS	B8G0006-MS1 Matrix Spike 0.24814	2.56e3	112.3	NO
4	4 13C8-PFOA	B8G0006-MS1 Matrix Spike 0.24814	1.11e4	103.1	NO
5	5 13C9-PFNA	B8G0006-MS1 Matrix Spike 0.24814	1.09e4	111.6	NO
6	6 13C4-PFOS	B8G0006-MS1 Matrix Spike 0.24814	2.77e3	113.4	NO
7	7 13C6-PFDA	B8G0006-MS1 Matrix Spike 0.24814	1.25e4	111.3	NO
8	8 13C7-PFUdA	B8G0006-MS1 Matrix Spike 0.24814	1.34e4	85.9	NO

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Name: 180713M2_59, Date: 14-Jul-2018, Time: 02:29:04, ID: B8G0006-MSD1 Matrix Spike Dup 0.24776, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0006-MSD1 Matrix Spike Dup 0.247...	8.96e3	99.8	NO
2	2	13C5-PFHxA	B8G0006-MSD1 Matrix Spike Dup 0.247...	9.95e3	107.0	NO
3	3	13C3-PFHxS	B8G0006-MSD1 Matrix Spike Dup 0.247...	2.62e3	115.3	NO
4	4	13C8-PFOA	B8G0006-MSD1 Matrix Spike Dup 0.247...	1.12e4	104.1	NO
5	5	13C9-PFNA	B8G0006-MSD1 Matrix Spike Dup 0.247...	1.18e4	120.7	NO
6	6	13C4-PFOS	B8G0006-MSD1 Matrix Spike Dup 0.247...	2.66e3	108.7	NO
7	7	13C6-PFDA	B8G0006-MSD1 Matrix Spike Dup 0.247...	1.19e4	106.2	NO
8	8	13C7-PFUdA	B8G0006-MSD1 Matrix Spike Dup 0.247...	1.39e4	89.4	NO

Name: 180713M2_60, Date: 14-Jul-2018, Time: 02:39:35, ID: B8G0006-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0006-BLK1 Method Blank 0.25	7.57e3	84.4	NO
2	2	13C5-PFHxA	B8G0006-BLK1 Method Blank 0.25	8.61e3	92.7	NO
3	3	13C3-PFHxS	B8G0006-BLK1 Method Blank 0.25	2.13e3	93.4	NO
4	4	13C8-PFOA	B8G0006-BLK1 Method Blank 0.25	9.47e3	88.2	NO
5	5	13C9-PFNA	B8G0006-BLK1 Method Blank 0.25	1.03e4	105.4	NO
6	6	13C4-PFOS	B8G0006-BLK1 Method Blank 0.25	2.46e3	100.5	NO
7	7	13C6-PFDA	B8G0006-BLK1 Method Blank 0.25	9.92e3	88.7	NO
8	8	13C7-PFUdA	B8G0006-BLK1 Method Blank 0.25	1.34e4	85.7	NO

Name: 180713M2_61, Date: 14-Jul-2018, Time: 02:49:59, ID: 1801486-01 FT-SW10-20180626 0.24705, Description: FT-SW10-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-01 FT-SW10-20180626 0.24705	7.98e3	88.9	NO
2	2	13C5-PFHxA	1801486-01 FT-SW10-20180626 0.24705	8.87e3	95.4	NO
3	3	13C3-PFHxS	1801486-01 FT-SW10-20180626 0.24705	2.21e3	97.2	NO
4	4	13C8-PFOA	1801486-01 FT-SW10-20180626 0.24705	9.80e3	91.2	NO
5	5	13C9-PFNA	1801486-01 FT-SW10-20180626 0.24705	1.02e4	104.5	NO
6	6	13C4-PFOS	1801486-01 FT-SW10-20180626 0.24705	2.65e3	108.4	NO
7	7	13C6-PFDA	1801486-01 FT-SW10-20180626 0.24705	1.03e4	91.9	NO
8	8	13C7-PFUdA	1801486-01 FT-SW10-20180626 0.24705	1.36e4	87.5	NO

Name: 180713M2_62, Date: 14-Jul-2018, Time: 03:00:30, ID: 1801486-02 FT-SW12-20180626 0.24374, Description: FT-SW12-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-02 FT-SW12-20180626 0.24374	8.38e3	93.4	NO
2	2	13C5-PFHxA	1801486-02 FT-SW12-20180626 0.24374	9.60e3	103.4	NO
3	3	13C3-PFHxS	1801486-02 FT-SW12-20180626 0.24374	2.12e3	93.0	NO
4	4	13C8-PFOA	1801486-02 FT-SW12-20180626 0.24374	9.54e3	88.9	NO
5	5	13C9-PFNA	1801486-02 FT-SW12-20180626 0.24374	1.06e4	108.3	NO
6	6	13C4-PFOS	1801486-02 FT-SW12-20180626 0.24374	2.97e3	121.5	NO
7	7	13C6-PFDA	1801486-02 FT-SW12-20180626 0.24374	9.71e3	86.8	NO
8	8	13C7-PFUdA	1801486-02 FT-SW12-20180626 0.24374	1.40e4	89.7	NO

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Name: 180713M2_63, Date: 14-Jul-2018, Time: 03:10:54, ID: 1801486-03 FT-SW13-20180626 0.25801, Description: FT-SW13-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-03 FT-SW13-20180626 0.25801	8.76e3	97.6	NO
2	2	13C5-PFHxA	1801486-03 FT-SW13-20180626 0.25801	9.99e3	107.5	NO
3	3	13C3-PFHxS	1801486-03 FT-SW13-20180626 0.25801	2.47e3	108.5	NO
4	4	13C8-PFOA	1801486-03 FT-SW13-20180626 0.25801	1.12e4	104.6	NO
5	5	13C9-PFNA	1801486-03 FT-SW13-20180626 0.25801	1.15e4	117.9	NO
6	6	13C4-PFOS	1801486-03 FT-SW13-20180626 0.25801	2.96e3	120.9	NO
7	7	13C6-PFDA	1801486-03 FT-SW13-20180626 0.25801	1.19e4	106.5	NO
8	8	13C7-PFUdA	1801486-03 FT-SW13-20180626 0.25801	1.39e4	88.9	NO

Name: 180713M2_64, Date: 14-Jul-2018, Time: 03:21:24, ID: 1801486-04 SW-DP01-20180626 0.24361, Description: SW-DP01-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-04 SW-DP01-20180626 0.243...	7.21e3	80.3	NO
2	2	13C5-PFHxA	1801486-04 SW-DP01-20180626 0.243...	7.99e3	86.0	NO
3	3	13C3-PFHxS	1801486-04 SW-DP01-20180626 0.243...	2.01e3	88.2	NO
4	4	13C8-PFOA	1801486-04 SW-DP01-20180626 0.243...	9.11e3	84.8	NO
5	5	13C9-PFNA	1801486-04 SW-DP01-20180626 0.243...	8.90e3	91.1	NO
6	6	13C4-PFOS	1801486-04 SW-DP01-20180626 0.243...	2.31e3	94.6	NO
7	7	13C6-PFDA	1801486-04 SW-DP01-20180626 0.243...	8.32e3	74.4	NO
8	8	13C7-PFUdA	1801486-04 SW-DP01-20180626 0.243...	1.07e4	68.6	NO

Name: 180713M2_65, Date: 14-Jul-2018, Time: 03:31:49, ID: 1801486-05 SW-DP02-20180626 0.23993, Description: SW-DP02-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-05 SW-DP02-20180626 0.239...	7.86e3	87.5	NO
2	2	13C5-PFHxA	1801486-05 SW-DP02-20180626 0.239...	8.92e3	96.0	NO
3	3	13C3-PFHxS	1801486-05 SW-DP02-20180626 0.239...	2.06e3	90.7	NO
4	4	13C8-PFOA	1801486-05 SW-DP02-20180626 0.239...	1.02e4	95.4	NO
5	5	13C9-PFNA	1801486-05 SW-DP02-20180626 0.239...	9.56e3	97.7	NO
6	6	13C4-PFOS	1801486-05 SW-DP02-20180626 0.239...	2.43e3	99.3	NO
7	7	13C6-PFDA	1801486-05 SW-DP02-20180626 0.239...	1.06e4	94.7	NO
8	8	13C7-PFUdA	1801486-05 SW-DP02-20180626 0.239...	1.29e4	82.8	NO

Name: 180713M2_66, Date: 14-Jul-2018, Time: 03:42:19, ID: 1801486-06 SA-SW201-20180626 0.25302, Description: SA-SW201-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-06 SA-SW201-20180626 0.25...	7.12e3	79.3	NO
2	2	13C5-PFHxA	1801486-06 SA-SW201-20180626 0.25...	8.17e3	87.9	NO
3	3	13C3-PFHxS	1801486-06 SA-SW201-20180626 0.25...	1.94e3	85.2	NO
4	4	13C8-PFOA	1801486-06 SA-SW201-20180626 0.25...	8.38e3	78.1	NO
5	5	13C9-PFNA	1801486-06 SA-SW201-20180626 0.25...	9.35e3	95.7	NO
6	6	13C4-PFOS	1801486-06 SA-SW201-20180626 0.25...	2.31e3	94.4	NO
7	7	13C6-PFDA	1801486-06 SA-SW201-20180626 0.25...	9.44e3	84.4	NO
8	8	13C7-PFUdA	1801486-06 SA-SW201-20180626 0.25...	1.32e4	84.5	NO

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Name: 180713M2_67, Date: 14-Jul-2018, Time: 03:52:44, ID: 1801486-07 SA-SW201-FRB-20180626 0.26295, Description: SA-SW201-FRB-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-07 SA-SW201-FRB-20180626...	7.22e3	80.4	NO
2	2	13C5-PFHxA	1801486-07 SA-SW201-FRB-20180626...	7.75e3	83.4	NO
3	3	13C3-PFHxS	1801486-07 SA-SW201-FRB-20180626...	1.99e3	87.5	NO
4	4	13C8-PFOA	1801486-07 SA-SW201-FRB-20180626...	8.17e3	76.0	NO
5	5	13C9-PFNA	1801486-07 SA-SW201-FRB-20180626...	9.46e3	96.7	NO
6	6	13C4-PFOS	1801486-07 SA-SW201-FRB-20180626...	2.38e3	97.3	NO
7	7	13C6-PFDA	1801486-07 SA-SW201-FRB-20180626...	8.85e3	79.1	NO
8	8	13C7-PFUdA	1801486-07 SA-SW201-FRB-20180626...	1.36e4	87.3	NO

Name: 180713M2_68, Date: 14-Jul-2018, Time: 04:03:15, ID: 1801486-08 SA-SW204-20180626 0.24756, Description: SA-SW204-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-08 SA-SW204-20180626 0.24...	7.27e3	81.0	NO
2	2	13C5-PFHxA	1801486-08 SA-SW204-20180626 0.24...	7.99e3	86.0	NO
3	3	13C3-PFHxS	1801486-08 SA-SW204-20180626 0.24...	2.02e3	88.8	NO
4	4	13C8-PFOA	1801486-08 SA-SW204-20180626 0.24...	9.61e3	89.5	NO
5	5	13C9-PFNA	1801486-08 SA-SW204-20180626 0.24...	9.88e3	101.1	NO
6	6	13C4-PFOS	1801486-08 SA-SW204-20180626 0.24...	2.46e3	100.6	NO
7	7	13C6-PFDA	1801486-08 SA-SW204-20180626 0.24...	9.29e3	83.0	NO
8	8	13C7-PFUdA	1801486-08 SA-SW204-20180626 0.24...	1.21e4	77.8	NO

Name: 180713M2_69, Date: 14-Jul-2018, Time: 04:13:39, ID: 1801486-09 SA-SW301-20180626 0.25221, Description: SA-SW301-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-09 SA-SW301-20180626 0.25...	6.63e3	73.9	NO
2	2	13C5-PFHxA	1801486-09 SA-SW301-20180626 0.25...	7.64e3	82.2	NO
3	3	13C3-PFHxS	1801486-09 SA-SW301-20180626 0.25...	1.79e3	78.5	NO
4	4	13C8-PFOA	1801486-09 SA-SW301-20180626 0.25...	8.62e3	80.3	NO
5	5	13C9-PFNA	1801486-09 SA-SW301-20180626 0.25...	8.93e3	91.3	NO
6	6	13C4-PFOS	1801486-09 SA-SW301-20180626 0.25...	2.15e3	87.8	NO
7	7	13C6-PFDA	1801486-09 SA-SW301-20180626 0.25...	8.33e3	74.5	NO
8	8	13C7-PFUdA	1801486-09 SA-SW301-20180626 0.25...	1.20e4	76.7	NO

Name: 180713M2_70, Date: 14-Jul-2018, Time: 04:24:09, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA			NO

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Name: 180713M2_71, Date: 14-Jul-2018, Time: 04:34:34, ID: ST180713M2-13 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180713M2-13 PFC CS3 18G0509	7.58e3	84.5	NO
2	2	13C5-PFHxA	ST180713M2-13 PFC CS3 18G0509	1.12e4	120.7	NO
3	3	13C3-PFHxS	ST180713M2-13 PFC CS3 18G0509	2.72e3	119.6	NO
4	4	13C8-PFOA	ST180713M2-13 PFC CS3 18G0509	1.15e4	106.9	NO
5	5	13C9-PFNA	ST180713M2-13 PFC CS3 18G0509	1.25e4	127.7	NO
6	6	13C4-PFOS	ST180713M2-13 PFC CS3 18G0509	3.13e3	127.7	NO
7	7	13C6-PFDA	ST180713M2-13 PFC CS3 18G0509	1.28e4	114.0	NO
8	8	13C7-PFUdA	ST180713M2-13 PFC CS3 18G0509	1.80e4	115.2	NO

Name: 180713M2_72, Date: 14-Jul-2018, Time: 04:45:05, ID: ST180713M2-14 PFC CS0 18G0506, Description: PFC CS0 18G0506

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180713M2-14 PFC CS0 18G0506	7.38e3	82.3	NO
2	2	13C5-PFHxA	ST180713M2-14 PFC CS0 18G0506	1.04e4	112.4	NO
3	3	13C3-PFHxS	ST180713M2-14 PFC CS0 18G0506	2.49e3	109.3	NO
4	4	13C8-PFOA	ST180713M2-14 PFC CS0 18G0506	1.21e4	112.6	NO
5	5	13C9-PFNA	ST180713M2-14 PFC CS0 18G0506	1.23e4	125.3	NO
6	6	13C4-PFOS	ST180713M2-14 PFC CS0 18G0506	2.94e3	120.1	NO
7	7	13C6-PFDA	ST180713M2-14 PFC CS0 18G0506	1.13e4	100.7	NO
8	8	13C7-PFUdA	ST180713M2-14 PFC CS0 18G0506	1.74e4	111.7	NO

Name: 180713M2_73, Date: 14-Jul-2018, Time: 04:55:30, ID: 1801486-10 SA-DUP01-20180626 0.246, Description: SA-DUP01-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-10 SA-DUP01-20180626 0.246	7.08e3	78.9	NO
2	2	13C5-PFHxA	1801486-10 SA-DUP01-20180626 0.246	7.99e3	85.9	NO
3	3	13C3-PFHxS	1801486-10 SA-DUP01-20180626 0.246	1.95e3	85.8	NO
4	4	13C8-PFOA	1801486-10 SA-DUP01-20180626 0.246	8.72e3	81.2	NO
5	5	13C9-PFNA	1801486-10 SA-DUP01-20180626 0.246	9.63e3	98.4	NO
6	6	13C4-PFOS	1801486-10 SA-DUP01-20180626 0.246	2.40e3	98.0	NO
7	7	13C6-PFDA	1801486-10 SA-DUP01-20180626 0.246	9.29e3	83.0	NO
8	8	13C7-PFUdA	1801486-10 SA-DUP01-20180626 0.246	1.11e4	71.3	NO

Name: 180713M2_74, Date: 14-Jul-2018, Time: 05:06:00, ID: 1801486-11 CA-AQIDW01-20180626 0.25411, Description: CA-AQIDW01-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-11 CA-AQIDW01-20180626 0....	7.07e3	78.8	NO
2	2	13C5-PFHxA	1801486-11 CA-AQIDW01-20180626 0....	8.38e3	90.2	NO
3	3	13C3-PFHxS	1801486-11 CA-AQIDW01-20180626 0....	1.99e3	87.6	NO
4	4	13C8-PFOA	1801486-11 CA-AQIDW01-20180626 0....	8.86e3	82.5	NO
5	5	13C9-PFNA	1801486-11 CA-AQIDW01-20180626 0....	9.32e3	95.3	NO
6	6	13C4-PFOS	1801486-11 CA-AQIDW01-20180626 0....	2.59e3	106.0	NO
7	7	13C6-PFDA	1801486-11 CA-AQIDW01-20180626 0....	9.53e3	85.1	NO
8	8	13C7-PFUdA	1801486-11 CA-AQIDW01-20180626 0....	1.35e4	86.6	NO

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Name: 180713M2_75, Date: 14-Jul-2018, Time: 05:16:26, ID: 1801501-09 MCLPCH428 0.11948, Description: MCLPCH428

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801501-09 MCLPCH428 0.11948	7.65e3	85.2	NO
2	2	13C5-PFHxA	1801501-09 MCLPCH428 0.11948	8.45e3	91.0	NO
3	3	13C3-PFHxS	1801501-09 MCLPCH428 0.11948	2.05e3	89.9	NO
4	4	13C8-PFOA	1801501-09 MCLPCH428 0.11948	1.03e4	95.9	NO
5	5	13C9-PFNA	1801501-09 MCLPCH428 0.11948	9.67e3	98.9	NO
6	6	13C4-PFOS	1801501-09 MCLPCH428 0.11948	2.54e3	103.9	NO
7	7	13C6-PFDA	1801501-09 MCLPCH428 0.11948	9.19e3	82.1	NO
8	8	13C7-PFUdA	1801501-09 MCLPCH428 0.11948	1.28e4	81.8	NO

Name: 180713M2_76, Date: 14-Jul-2018, Time: 05:26:56, ID: 1801502-06 MCLPCB410 0.11585, Description: MCLPCB410

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801502-06 MCLPCB410 0.11585	7.12e3	79.3	NO
2	2	13C5-PFHxA	1801502-06 MCLPCB410 0.11585	7.83e3	84.3	NO
3	3	13C3-PFHxS	1801502-06 MCLPCB410 0.11585	1.69e3	74.2	NO
4	4	13C8-PFOA	1801502-06 MCLPCB410 0.11585	8.78e3	81.8	NO
5	5	13C9-PFNA	1801502-06 MCLPCB410 0.11585	9.55e3	97.7	NO
6	6	13C4-PFOS	1801502-06 MCLPCB410 0.11585	2.14e3	87.3	NO
7	7	13C6-PFDA	1801502-06 MCLPCB410 0.11585	9.95e3	88.9	NO
8	8	13C7-PFUdA	1801502-06 MCLPCB410 0.11585	1.40e4	90.0	NO

Name: 180713M2_77, Date: 14-Jul-2018, Time: 05:37:21, ID: 1801502-13 MCLPCD419 0.1208, Description: MCLPCD419

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801502-13 MCLPCD419 0.1208	7.20e3	80.2	NO
2	2	13C5-PFHxA	1801502-13 MCLPCD419 0.1208	7.91e3	85.1	NO
3	3	13C3-PFHxS	1801502-13 MCLPCD419 0.1208	1.81e3	79.6	NO
4	4	13C8-PFOA	1801502-13 MCLPCD419 0.1208	9.01e3	83.9	NO
5	5	13C9-PFNA	1801502-13 MCLPCD419 0.1208	8.84e3	90.4	NO
6	6	13C4-PFOS	1801502-13 MCLPCD419 0.1208	2.18e3	89.1	NO
7	7	13C6-PFDA	1801502-13 MCLPCD419 0.1208	9.74e3	87.0	NO
8	8	13C7-PFUdA	1801502-13 MCLPCD419 0.1208	1.24e4	79.5	NO

Name: 180713M2_78, Date: 14-Jul-2018, Time: 05:47:51, ID: 1801385-01@5X B-5-GW 0.2557, Description: B-5-GW

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801385-01@5X B-5-GW 0.2557	1.77e3	19.8	YES
2	2	13C5-PFHxA	1801385-01@5X B-5-GW 0.2557	1.83e3	19.7	YES
3	3	13C3-PFHxS	1801385-01@5X B-5-GW 0.2557	4.84e2	21.3	YES
4	4	13C8-PFOA	1801385-01@5X B-5-GW 0.2557	1.94e3	18.1	YES
5	5	13C9-PFNA	1801385-01@5X B-5-GW 0.2557	2.11e3	21.5	YES
6	6	13C4-PFOS	1801385-01@5X B-5-GW 0.2557	5.35e2	21.8	YES
7	7	13C6-PFDA	1801385-01@5X B-5-GW 0.2557	2.44e3	21.8	YES
8	8	13C7-PFUdA	1801385-01@5X B-5-GW 0.2557	3.27e3	21.0	YES

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Name: 180713M2_79, Date: 14-Jul-2018, Time: 05:58:16, ID: 1801385-02@5X B-5-GW DUP 0.25193, Description: B-5-GW DUP

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801385-02@5X B-5-GW DUP 0.25193	1.82e3	20.3	YES
2	2	13C5-PFHxA	1801385-02@5X B-5-GW DUP 0.25193	2.05e3	22.0	YES
3	3	13C3-PFHxS	1801385-02@5X B-5-GW DUP 0.25193	4.47e2	19.6	YES
4	4	13C8-PFOA	1801385-02@5X B-5-GW DUP 0.25193	1.91e3	17.8	YES
5	5	13C9-PFNA	1801385-02@5X B-5-GW DUP 0.25193	2.33e3	23.8	YES
6	6	13C4-PFOS	1801385-02@5X B-5-GW DUP 0.25193	5.04e2	20.6	YES
7	7	13C6-PFDA	1801385-02@5X B-5-GW DUP 0.25193	2.19e3	19.5	YES
8	8	13C7-PFUdA	1801385-02@5X B-5-GW DUP 0.25193	3.11e3	19.9	YES

Name: 180713M2_80, Date: 14-Jul-2018, Time: 06:08:46, ID: 1801385-03 B-6-GW 0.25052, Description: B-6-GW

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801385-03 B-6-GW 0.25052	7.11e3	79.3	NO
2	2	13C5-PFHxA	1801385-03 B-6-GW 0.25052	7.97e3	85.8	NO
3	3	13C3-PFHxS	1801385-03 B-6-GW 0.25052	1.79e3	78.6	NO
4	4	13C8-PFOA	1801385-03 B-6-GW 0.25052	7.93e3	73.9	NO
5	5	13C9-PFNA	1801385-03 B-6-GW 0.25052	9.06e3	92.7	NO
6	6	13C4-PFOS	1801385-03 B-6-GW 0.25052	2.33e3	95.3	NO
7	7	13C6-PFDA	1801385-03 B-6-GW 0.25052	9.64e3	86.2	NO
8	8	13C7-PFUdA	1801385-03 B-6-GW 0.25052	1.21e4	77.9	NO

Name: 180713M2_81, Date: 14-Jul-2018, Time: 06:19:11, ID: B8G0042-BS1 OPR 1, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0042-BS1 OPR 1	7.22e3	80.5	NO
2	2	13C5-PFHxA	B8G0042-BS1 OPR 1	8.06e3	86.8	NO
3	3	13C3-PFHxS	B8G0042-BS1 OPR 1	1.86e3	81.8	NO
4	4	13C8-PFOA	B8G0042-BS1 OPR 1	9.01e3	83.9	NO
5	5	13C9-PFNA	B8G0042-BS1 OPR 1	9.01e3	92.2	NO
6	6	13C4-PFOS	B8G0042-BS1 OPR 1	2.29e3	93.7	NO
7	7	13C6-PFDA	B8G0042-BS1 OPR 1	9.54e3	85.3	NO
8	8	13C7-PFUdA	B8G0042-BS1 OPR 1	1.36e4	87.2	NO

Name: 180713M2_82, Date: 14-Jul-2018, Time: 06:29:41, ID: B8G0042-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0042-BLK1 Method Blank 1	6.77e3	75.4	NO
2	2	13C5-PFHxA	B8G0042-BLK1 Method Blank 1	7.57e3	81.5	NO
3	3	13C3-PFHxS	B8G0042-BLK1 Method Blank 1	1.90e3	83.6	NO
4	4	13C8-PFOA	B8G0042-BLK1 Method Blank 1	8.82e3	82.2	NO
5	5	13C9-PFNA	B8G0042-BLK1 Method Blank 1	9.17e3	93.7	NO
6	6	13C4-PFOS	B8G0042-BLK1 Method Blank 1	2.27e3	92.7	NO
7	7	13C6-PFDA	B8G0042-BLK1 Method Blank 1	9.54e3	85.3	NO
8	8	13C7-PFUdA	B8G0042-BLK1 Method Blank 1	1.24e4	79.4	NO

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Name: 180713M2_83, Date: 14-Jul-2018, Time: 06:40:06, ID: 1801266-04RE1 TP-1 1.12, Description: TP-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801266-04RE1 TP-1 1.12	7.56e3	84.2	NO
2	2 13C5-PFHxA	1801266-04RE1 TP-1 1.12	8.42e3	90.7	NO
3	3 13C3-PFHxS	1801266-04RE1 TP-1 1.12	2.09e3	91.9	NO
4	4 13C8-PFOA	1801266-04RE1 TP-1 1.12	9.43e3	87.8	NO
5	5 13C9-PFNA	1801266-04RE1 TP-1 1.12	9.98e3	102.1	NO
6	6 13C4-PFOS	1801266-04RE1 TP-1 1.12	2.31e3	94.2	NO
7	7 13C6-PFDA	1801266-04RE1 TP-1 1.12	1.01e4	90.4	NO
8	8 13C7-PFUdA	1801266-04RE1 TP-1 1.12	1.33e4	85.4	NO

Name: 180713M2_84, Date: 14-Jul-2018, Time: 06:50:36, ID: 1801266-06RE1 TP-3 1.11, Description: TP-3

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801266-06RE1 TP-3 1.11	7.77e3	86.5	NO
2	2 13C5-PFHxA	1801266-06RE1 TP-3 1.11	9.36e3	100.8	NO
3	3 13C3-PFHxS	1801266-06RE1 TP-3 1.11	2.27e3	99.6	NO
4	4 13C8-PFOA	1801266-06RE1 TP-3 1.11	9.85e3	91.8	NO
5	5 13C9-PFNA	1801266-06RE1 TP-3 1.11	9.76e3	99.8	NO
6	6 13C4-PFOS	1801266-06RE1 TP-3 1.11	2.61e3	106.6	NO
7	7 13C6-PFDA	1801266-06RE1 TP-3 1.11	1.02e4	90.9	NO
8	8 13C7-PFUdA	1801266-06RE1 TP-3 1.11	1.52e4	97.3	NO

Name: 180713M2_85, Date: 14-Jul-2018, Time: 07:01:06, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUdA	IPA			NO

Name: 180713M2_86, Date: 14-Jul-2018, Time: 07:11:31, ID: ST180713M2-15 PFC CS3 18G0509, Description: PFC CS3 18G0509

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180713M2-15 PFC CS3 18G0509	8.15e3	90.8	NO
2	2 13C5-PFHxA	ST180713M2-15 PFC CS3 18G0509	1.13e4	121.6	NO
3	3 13C3-PFHxS	ST180713M2-15 PFC CS3 18G0509	2.64e3	115.8	NO
4	4 13C8-PFOA	ST180713M2-15 PFC CS3 18G0509	1.17e4	109.3	NO
5	5 13C9-PFNA	ST180713M2-15 PFC CS3 18G0509	1.27e4	129.9	NO
6	6 13C4-PFOS	ST180713M2-15 PFC CS3 18G0509	3.07e3	125.5	NO
7	7 13C6-PFDA	ST180713M2-15 PFC CS3 18G0509	1.34e4	119.8	NO
8	8 13C7-PFUdA	ST180713M2-15 PFC CS3 18G0509	1.60e4	102.8	NO

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Name: 180713M2_87, Date: 14-Jul-2018, Time: 07:22:02, ID: 1801278-01RE1 HS-SB-224- (8-10) 1.12, Description: HS-SB-224- (8-10)

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801278-01RE1 HS-SB-224- (8-10) 1.12	7.26e3	80.9	NO
2	2	13C5-PFHxA	1801278-01RE1 HS-SB-224- (8-10) 1.12	8.34e3	89.8	NO
3	3	13C3-PFHxS	1801278-01RE1 HS-SB-224- (8-10) 1.12	2.15e3	94.5	NO
4	4	13C8-PFOA	1801278-01RE1 HS-SB-224- (8-10) 1.12	9.25e3	86.1	NO
5	5	13C9-PFNA	1801278-01RE1 HS-SB-224- (8-10) 1.12	9.66e3	98.8	NO
6	6	13C4-PFOS	1801278-01RE1 HS-SB-224- (8-10) 1.12	2.27e3	92.6	NO
7	7	13C6-PFDA	1801278-01RE1 HS-SB-224- (8-10) 1.12	9.45e3	84.5	NO
8	8	13C7-PFUdA	1801278-01RE1 HS-SB-224- (8-10) 1.12	1.37e4	87.6	NO

Name: 180713M2_88, Date: 14-Jul-2018, Time: 07:32:26, ID: 1801278-02RE1 HS-SB-129- (7-8) 1.1, Description: HS-SB-129- (7-8)

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801278-02RE1 HS-SB-129- (7-8) 1.1	7.56e3	84.2	NO
2	2	13C5-PFHxA	1801278-02RE1 HS-SB-129- (7-8) 1.1	8.32e3	89.5	NO
3	3	13C3-PFHxS	1801278-02RE1 HS-SB-129- (7-8) 1.1	2.13e3	93.5	NO
4	4	13C8-PFOA	1801278-02RE1 HS-SB-129- (7-8) 1.1	9.57e3	89.2	NO
5	5	13C9-PFNA	1801278-02RE1 HS-SB-129- (7-8) 1.1	9.39e3	96.0	NO
6	6	13C4-PFOS	1801278-02RE1 HS-SB-129- (7-8) 1.1	1.98e3	80.8	NO
7	7	13C6-PFDA	1801278-02RE1 HS-SB-129- (7-8) 1.1	1.02e4	90.7	NO
8	8	13C7-PFUdA	1801278-02RE1 HS-SB-129- (7-8) 1.1	1.69e4	108.4	NO

Name: 180713M2_89, Date: 14-Jul-2018, Time: 07:42:56, ID: 1801351-01RE1 HS-SB-118- (7-8)- EPA 1.08, Description: HS-SB-118- (7-8)- EPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801351-01RE1 HS-SB-118- (7-8)- EPA...	6.82e3	76.0	NO
2	2	13C5-PFHxA	1801351-01RE1 HS-SB-118- (7-8)- EPA...	7.95e3	85.5	NO
3	3	13C3-PFHxS	1801351-01RE1 HS-SB-118- (7-8)- EPA...	1.98e3	86.9	NO
4	4	13C8-PFOA	1801351-01RE1 HS-SB-118- (7-8)- EPA...	9.13e3	85.1	NO
5	5	13C9-PFNA	1801351-01RE1 HS-SB-118- (7-8)- EPA...	8.91e3	91.1	NO
6	6	13C4-PFOS	1801351-01RE1 HS-SB-118- (7-8)- EPA...	2.11e3	86.2	NO
7	7	13C6-PFDA	1801351-01RE1 HS-SB-118- (7-8)- EPA...	8.69e3	77.6	NO
8	8	13C7-PFUdA	1801351-01RE1 HS-SB-118- (7-8)- EPA...	1.24e4	79.9	NO

Name: 180713M2_90, Date: 14-Jul-2018, Time: 07:53:22, ID: 1801366-10RE1 PGW-1 (2-4) 1.13, Description: PGW-1 (2-4)

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801366-10RE1 PGW-1 (2-4) 1.13	6.85e3	76.3	NO
2	2	13C5-PFHxA	1801366-10RE1 PGW-1 (2-4) 1.13	7.81e3	84.0	NO
3	3	13C3-PFHxS	1801366-10RE1 PGW-1 (2-4) 1.13	1.89e3	82.9	NO
4	4	13C8-PFOA	1801366-10RE1 PGW-1 (2-4) 1.13	8.85e3	82.4	NO
5	5	13C9-PFNA	1801366-10RE1 PGW-1 (2-4) 1.13	8.32e3	85.0	NO
6	6	13C4-PFOS	1801366-10RE1 PGW-1 (2-4) 1.13	2.03e3	83.1	NO
7	7	13C6-PFDA	1801366-10RE1 PGW-1 (2-4) 1.13	8.41e3	75.1	NO
8	8	13C7-PFUdA	1801366-10RE1 PGW-1 (2-4) 1.13	1.18e4	75.5	NO

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Name: 180713M2_91, Date: 14-Jul-2018, Time: 08:03:52, ID: 1801366-11RE1 PGW-2 (1-1.5) 1.04, Description: PGW-2 (1-1.5)

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801366-11RE1 PGW-2 (1-1.5) 1.04	6.41e3	71.4	NO
2	2 13C5-PFHxA	1801366-11RE1 PGW-2 (1-1.5) 1.04	7.39e3	79.5	NO
3	3 13C3-PFHxS	1801366-11RE1 PGW-2 (1-1.5) 1.04	1.82e3	80.1	NO
4	4 13C8-PFOA	1801366-11RE1 PGW-2 (1-1.5) 1.04	8.06e3	75.1	NO
5	5 13C9-PFNA	1801366-11RE1 PGW-2 (1-1.5) 1.04	8.48e3	86.7	NO
6	6 13C4-PFOS	1801366-11RE1 PGW-2 (1-1.5) 1.04	2.22e3	90.8	NO
7	7 13C6-PFDA	1801366-11RE1 PGW-2 (1-1.5) 1.04	8.16e3	72.9	NO
8	8 13C7-PFUdA	1801366-11RE1 PGW-2 (1-1.5) 1.04	1.13e4	72.5	NO

Name: 180713M2_92, Date: 14-Jul-2018, Time: 08:14:17, ID: 1801366-12RE1 PGW-3 (1-2) 1.05, Description: PGW-3 (1-2)

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801366-12RE1 PGW-3 (1-2) 1.05	7.00e3	78.0	NO
2	2 13C5-PFHxA	1801366-12RE1 PGW-3 (1-2) 1.05	7.55e3	81.3	NO
3	3 13C3-PFHxS	1801366-12RE1 PGW-3 (1-2) 1.05	1.96e3	86.1	NO
4	4 13C8-PFOA	1801366-12RE1 PGW-3 (1-2) 1.05	8.28e3	77.1	NO
5	5 13C9-PFNA	1801366-12RE1 PGW-3 (1-2) 1.05	9.03e3	92.3	NO
6	6 13C4-PFOS	1801366-12RE1 PGW-3 (1-2) 1.05	2.14e3	87.6	NO
7	7 13C6-PFDA	1801366-12RE1 PGW-3 (1-2) 1.05	9.26e3	82.7	NO
8	8 13C7-PFUdA	1801366-12RE1 PGW-3 (1-2) 1.05	1.26e4	80.5	NO

Name: 180713M2_93, Date: 14-Jul-2018, Time: 08:24:48, ID: 1801376-01RE1 HS-SB-132 (8-9)- EPA 1.17, Description: HS-SB-132 (8-9)- EPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	7.03e3	78.3	NO
2	2 13C5-PFHxA	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	8.17e3	87.9	NO
3	3 13C3-PFHxS	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	1.67e3	73.3	NO
4	4 13C8-PFOA	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	8.27e3	77.0	NO
5	5 13C9-PFNA	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	8.10e3	82.8	NO
6	6 13C4-PFOS	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	6.56e2	26.8	YES
7	7 13C6-PFDA	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	1.03e4	92.1	NO
8	8 13C7-PFUdA	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	9.03e3	57.9	NO

Name: 180713M2_94, Date: 14-Jul-2018, Time: 08:35:13, ID: B8G0001-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8G0001-BS1 OPR 0.125	9.92e3	110.5	NO
2	2 13C5-PFHxA	B8G0001-BS1 OPR 0.125	1.12e4	120.8	NO
3	3 13C3-PFHxS	B8G0001-BS1 OPR 0.125	2.29e3	100.5	NO
4	4 13C8-PFOA	B8G0001-BS1 OPR 0.125	1.15e4	107.1	NO
5	5 13C9-PFNA	B8G0001-BS1 OPR 0.125	1.03e4	105.6	NO
6	6 13C4-PFOS	B8G0001-BS1 OPR 0.125	2.18e3	89.0	NO
7	7 13C6-PFDA	B8G0001-BS1 OPR 0.125	6.35e3	56.7	NO
8	8 13C7-PFUdA	B8G0001-BS1 OPR 0.125	3.23e3	20.7	YES

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Name: 180713M2_95, Date: 14-Jul-2018, Time: 08:45:43, ID: B8G0001-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0001-BLK1 Method Blank 0.125	1.01e4	112.9	NO
2	2	13C5-PFHxA	B8G0001-BLK1 Method Blank 0.125	1.17e4	125.4	NO
3	3	13C3-PFHxS	B8G0001-BLK1 Method Blank 0.125	2.42e3	106.2	NO
4	4	13C8-PFOA	B8G0001-BLK1 Method Blank 0.125	1.16e4	108.2	NO
5	5	13C9-PFNA	B8G0001-BLK1 Method Blank 0.125	1.01e4	103.1	NO
6	6	13C4-PFOS	B8G0001-BLK1 Method Blank 0.125	1.72e3	70.2	NO
7	7	13C6-PFDA	B8G0001-BLK1 Method Blank 0.125	6.80e3	60.7	NO
8	8	13C7-PFUdA	B8G0001-BLK1 Method Blank 0.125	2.46e3	15.8	YES

Name: 180713M2_96, Date: 14-Jul-2018, Time: 08:56:08, ID: 1801494-01 Field Blank 0.11836, Description: Field Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801494-01 Field Blank 0.11836	9.28e3	103.4	NO
2	2	13C5-PFHxA	1801494-01 Field Blank 0.11836	1.06e4	114.3	NO
3	3	13C3-PFHxS	1801494-01 Field Blank 0.11836	2.44e3	107.0	NO
4	4	13C8-PFOA	1801494-01 Field Blank 0.11836	1.06e4	99.0	NO
5	5	13C9-PFNA	1801494-01 Field Blank 0.11836	8.21e3	83.9	NO
6	6	13C4-PFOS	1801494-01 Field Blank 0.11836	1.65e3	67.4	NO
7	7	13C6-PFDA	1801494-01 Field Blank 0.11836	6.44e3	57.6	NO
8	8	13C7-PFUdA	1801494-01 Field Blank 0.11836	2.74e3	17.6	YES

Name: 180713M2_97, Date: 14-Jul-2018, Time: 09:06:38, ID: 1801494-02 Equip Blank 0.11849, Description: Equip Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801494-02 Equip Blank 0.11849	9.36e3	104.3	NO
2	2	13C5-PFHxA	1801494-02 Equip Blank 0.11849	1.01e4	108.2	NO
3	3	13C3-PFHxS	1801494-02 Equip Blank 0.11849	2.73e3	119.8	NO
4	4	13C8-PFOA	1801494-02 Equip Blank 0.11849	1.14e4	105.8	NO
5	5	13C9-PFNA	1801494-02 Equip Blank 0.11849	1.02e4	104.7	NO
6	6	13C4-PFOS	1801494-02 Equip Blank 0.11849	2.68e3	109.4	NO
7	7	13C6-PFDA	1801494-02 Equip Blank 0.11849	9.82e3	87.7	NO
8	8	13C7-PFUdA	1801494-02 Equip Blank 0.11849	9.99e3	64.1	NO

Name: 180713M2_98, Date: 14-Jul-2018, Time: 09:17:02, ID: 1801494-03 DW 0.11381, Description: DW

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801494-03 DW 0.11381	9.59e3	106.8	NO
2	2	13C5-PFHxA	1801494-03 DW 0.11381	1.06e4	114.1	NO
3	3	13C3-PFHxS	1801494-03 DW 0.11381	2.36e3	103.7	NO
4	4	13C8-PFOA	1801494-03 DW 0.11381	1.08e4	100.4	NO
5	5	13C9-PFNA	1801494-03 DW 0.11381	9.14e3	93.4	NO
6	6	13C4-PFOS	1801494-03 DW 0.11381	1.83e3	74.8	NO
7	7	13C6-PFDA	1801494-03 DW 0.11381	6.73e3	60.1	NO
8	8	13C7-PFUdA	1801494-03 DW 0.11381	4.13e3	26.5	YES

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Name: 180713M2_99, Date: 14-Jul-2018, Time: 09:29:42, ID: 1801494-04 MW-4 0.11665, Description: MW-4

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801494-04 MW-4 0.11665	9.36e3	104.3	NO
2	2	13C5-PFHxA	1801494-04 MW-4 0.11665	1.03e4	110.5	NO
3	3	13C3-PFHxS	1801494-04 MW-4 0.11665	2.35e3	103.2	NO
4	4	13C8-PFOA	1801494-04 MW-4 0.11665	1.16e4	107.7	NO
5	5	13C9-PFNA	1801494-04 MW-4 0.11665	1.06e4	108.7	NO
6	6	13C4-PFOS	1801494-04 MW-4 0.11665	2.40e3	98.2	NO
7	7	13C6-PFDA	1801494-04 MW-4 0.11665	9.03e3	80.7	NO
8	8	13C7-PFUdA	1801494-04 MW-4 0.11665	6.68e3	42.8	YES

Name: 180713M2_100, Date: 14-Jul-2018, Time: 09:40:07, ID: 1801494-05 MW-2 0.11525, Description: MW-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801494-05 MW-2 0.11525	9.67e3	107.7	NO
2	2	13C5-PFHxA	1801494-05 MW-2 0.11525	1.07e4	115.4	NO
3	3	13C3-PFHxS	1801494-05 MW-2 0.11525	2.30e3	100.9	NO
4	4	13C8-PFOA	1801494-05 MW-2 0.11525	1.08e4	100.1	NO
5	5	13C9-PFNA	1801494-05 MW-2 0.11525	1.13e4	115.8	NO
6	6	13C4-PFOS	1801494-05 MW-2 0.11525	2.36e3	96.4	NO
7	7	13C6-PFDA	1801494-05 MW-2 0.11525	8.17e3	73.0	NO
8	8	13C7-PFUdA	1801494-05 MW-2 0.11525	3.92e3	25.1	YES

Name: 180713M2_101, Date: 14-Jul-2018, Time: 09:50:37, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA			NO

Name: 180713M2_102, Date: 14-Jul-2018, Time: 10:01:02, ID: ST180713M2-16 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180713M2-16 PFC CS3 18G0509	8.24e3	91.7	NO
2	2	13C5-PFHxA	ST180713M2-16 PFC CS3 18G0509	1.11e4	119.1	NO
3	3	13C3-PFHxS	ST180713M2-16 PFC CS3 18G0509	2.68e3	117.9	NO
4	4	13C8-PFOA	ST180713M2-16 PFC CS3 18G0509	1.28e4	119.6	NO
5	5	13C9-PFNA	ST180713M2-16 PFC CS3 18G0509	1.42e4	145.7	NO
6	6	13C4-PFOS	ST180713M2-16 PFC CS3 18G0509	3.13e3	128.0	NO
7	7	13C6-PFDA	ST180713M2-16 PFC CS3 18G0509	1.30e4	116.6	NO
8	8	13C7-PFUdA	ST180713M2-16 PFC CS3 18G0509	1.72e4	110.5	NO

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Name: 180713M2_103, Date: 14-Jul-2018, Time: 10:11:32, ID: 1801494-06 MW-1 0.11893, Description: MW-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801494-06 MW-1 0.11893	9.22e3	102.7	NO
2	2 13C5-PFHxA	1801494-06 MW-1 0.11893	1.04e4	111.8	NO
3	3 13C3-PFHxS	1801494-06 MW-1 0.11893	2.71e3	118.9	NO
4	4 13C8-PFOA	1801494-06 MW-1 0.11893	1.07e4	99.5	NO
5	5 13C9-PFNA	1801494-06 MW-1 0.11893	1.04e4	106.6	NO
6	6 13C4-PFOS	1801494-06 MW-1 0.11893	2.66e3	108.6	NO
7	7 13C6-PFDA	1801494-06 MW-1 0.11893	1.04e4	92.9	NO
8	8 13C7-PFUdA	1801494-06 MW-1 0.11893	9.72e3	62.4	NO

Name: 180713M2_104, Date: 14-Jul-2018, Time: 10:21:58, ID: 1801495-01 MW-5 0.11744, Description: MW-5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801495-01 MW-5 0.11744	9.14e3	101.8	NO
2	2 13C5-PFHxA	1801495-01 MW-5 0.11744	1.02e4	109.9	NO
3	3 13C3-PFHxS	1801495-01 MW-5 0.11744	2.36e3	103.5	NO
4	4 13C8-PFOA	1801495-01 MW-5 0.11744	1.05e4	97.5	NO
5	5 13C9-PFNA	1801495-01 MW-5 0.11744	1.02e4	104.2	NO
6	6 13C4-PFOS	1801495-01 MW-5 0.11744	2.56e3	104.5	NO
7	7 13C6-PFDA	1801495-01 MW-5 0.11744	9.43e3	84.2	NO
8	8 13C7-PFUdA	1801495-01 MW-5 0.11744	8.00e3	51.3	NO

Name: 180713M2_105, Date: 14-Jul-2018, Time: 10:32:28, ID: 1801495-02 MW-102 0.11321, Description: MW-102

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801495-02 MW-102 0.11321	9.96e3	111.0	NO
2	2 13C5-PFHxA	1801495-02 MW-102 0.11321	1.05e4	113.0	NO
3	3 13C3-PFHxS	1801495-02 MW-102 0.11321	2.56e3	112.4	NO
4	4 13C8-PFOA	1801495-02 MW-102 0.11321	1.10e4	102.6	NO
5	5 13C9-PFNA	1801495-02 MW-102 0.11321	1.04e4	106.0	NO
6	6 13C4-PFOS	1801495-02 MW-102 0.11321	2.60e3	106.2	NO
7	7 13C6-PFDA	1801495-02 MW-102 0.11321	1.04e4	93.2	NO
8	8 13C7-PFUdA	1801495-02 MW-102 0.11321	7.66e3	49.2	YES

Name: 180713M2_106, Date: 14-Jul-2018, Time: 10:42:53, ID: 1801495-03 MW-2 0.11609, Description: MW-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801495-03 MW-2 0.11609	9.54e3	106.3	NO
2	2 13C5-PFHxA	1801495-03 MW-2 0.11609	1.06e4	113.8	NO
3	3 13C3-PFHxS	1801495-03 MW-2 0.11609	2.40e3	105.2	NO
4	4 13C8-PFOA	1801495-03 MW-2 0.11609	1.09e4	101.3	NO
5	5 13C9-PFNA	1801495-03 MW-2 0.11609	9.65e3	98.6	NO
6	6 13C4-PFOS	1801495-03 MW-2 0.11609	2.31e3	94.5	NO
7	7 13C6-PFDA	1801495-03 MW-2 0.11609	7.55e3	67.5	NO
8	8 13C7-PFUdA	1801495-03 MW-2 0.11609	3.14e3	20.1	YES

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Name: 180713M2_107, Date: 14-Jul-2018, Time: 10:53:24, ID: 1801495-04 MW-3R 0.11651, Description: MW-3R

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801495-04 MW-3R 0.11651	1.02e4	113.1	NO
2	2	13C5-PFHxA	1801495-04 MW-3R 0.11651	1.16e4	125.3	NO
3	3	13C3-PFHxS	1801495-04 MW-3R 0.11651	2.51e3	110.2	NO
4	4	13C8-PFOA	1801495-04 MW-3R 0.11651	1.21e4	113.1	NO
5	5	13C9-PFNA	1801495-04 MW-3R 0.11651	1.16e4	119.1	NO
6	6	13C4-PFOS	1801495-04 MW-3R 0.11651	2.43e3	99.4	NO
7	7	13C6-PFDA	1801495-04 MW-3R 0.11651	8.21e3	73.4	NO
8	8	13C7-PFUdA	1801495-04 MW-3R 0.11651	3.22e3	20.7	YES

Name: 180713M2_108, Date: 14-Jul-2018, Time: 11:03:46, ID: 1801497-01 Raw Water 0.11411, Description: Raw Water

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801497-01 Raw Water 0.11411	9.81e3	109.3	NO
2	2	13C5-PFHxA	1801497-01 Raw Water 0.11411	1.08e4	116.6	NO
3	3	13C3-PFHxS	1801497-01 Raw Water 0.11411	2.54e3	111.7	NO
4	4	13C8-PFOA	1801497-01 Raw Water 0.11411	1.00e4	93.5	NO
5	5	13C9-PFNA	1801497-01 Raw Water 0.11411	9.52e3	97.3	NO
6	6	13C4-PFOS	1801497-01 Raw Water 0.11411	1.53e3	62.6	NO
7	7	13C6-PFDA	1801497-01 Raw Water 0.11411	4.94e3	44.1	YES
8	8	13C7-PFUdA	1801497-01 Raw Water 0.11411	1.72e3	11.1	YES

Name: 180713M2_109, Date: 14-Jul-2018, Time: 11:14:17, ID: 1801497-02 Finished Water 0.11702, Description: Finished Water

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801497-02 Finished Water 0.11702	9.02e3	100.5	NO
2	2	13C5-PFHxA	1801497-02 Finished Water 0.11702	9.92e3	106.8	NO
3	3	13C3-PFHxS	1801497-02 Finished Water 0.11702	2.41e3	105.8	NO
4	4	13C8-PFOA	1801497-02 Finished Water 0.11702	1.04e4	96.5	NO
5	5	13C9-PFNA	1801497-02 Finished Water 0.11702	9.03e3	92.3	NO
6	6	13C4-PFOS	1801497-02 Finished Water 0.11702	1.53e3	62.6	NO
7	7	13C6-PFDA	1801497-02 Finished Water 0.11702	5.49e3	49.1	YES
8	8	13C7-PFUdA	1801497-02 Finished Water 0.11702	2.21e3	14.2	YES

Name: 180713M2_110, Date: 14-Jul-2018, Time: 11:24:41, ID: 1801498-01 BAR SINK /001 0.11897, Description: BAR SINK /001

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801498-01 BAR SINK /001 0.11897	9.34e3	104.0	NO
2	2	13C5-PFHxA	1801498-01 BAR SINK /001 0.11897	1.08e4	115.8	NO
3	3	13C3-PFHxS	1801498-01 BAR SINK /001 0.11897	2.63e3	115.4	NO
4	4	13C8-PFOA	1801498-01 BAR SINK /001 0.11897	1.11e4	103.1	NO
5	5	13C9-PFNA	1801498-01 BAR SINK /001 0.11897	9.46e3	96.8	NO
6	6	13C4-PFOS	1801498-01 BAR SINK /001 0.11897	2.03e3	82.8	NO
7	7	13C6-PFDA	1801498-01 BAR SINK /001 0.11897	7.02e3	62.7	NO
8	8	13C7-PFUdA	1801498-01 BAR SINK /001 0.11897	4.46e3	28.6	YES

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Name: 180713M2_111, Date: 14-Jul-2018, Time: 11:35:11, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA			NO

Name: 180713M2_112, Date: 14-Jul-2018, Time: 11:45:36, ID: ST180713M2-17 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180713M2-17 PFC CS3 18G0509	8.20e3	91.4	NO
2	2	13C5-PFHxA	ST180713M2-17 PFC CS3 18G0509	1.18e4	126.6	NO
3	3	13C3-PFHxS	ST180713M2-17 PFC CS3 18G0509	2.57e3	113.0	NO
4	4	13C8-PFOA	ST180713M2-17 PFC CS3 18G0509	1.33e4	123.7	NO
5	5	13C9-PFNA	ST180713M2-17 PFC CS3 18G0509	1.31e4	134.3	NO
6	6	13C4-PFOS	ST180713M2-17 PFC CS3 18G0509	3.06e3	125.2	NO
7	7	13C6-PFDA	ST180713M2-17 PFC CS3 18G0509	1.34e4	119.9	NO
8	8	13C7-PFUdA	ST180713M2-17 PFC CS3 18G0509	1.81e4	116.3	NO

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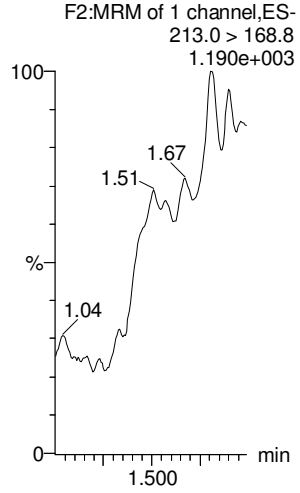
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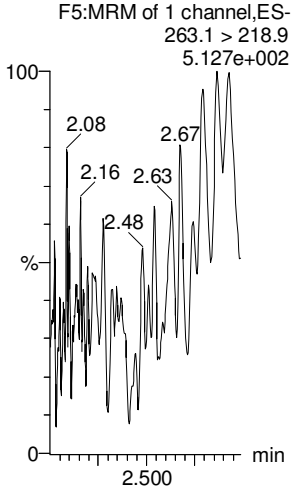
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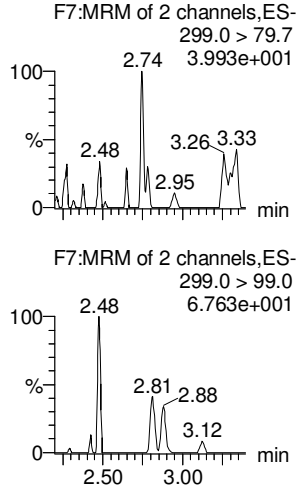
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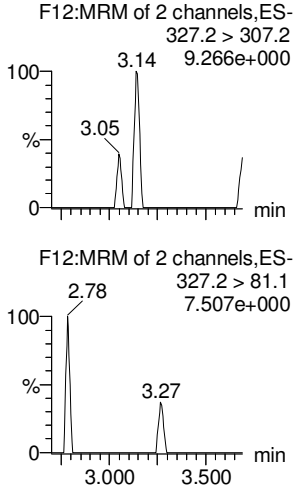
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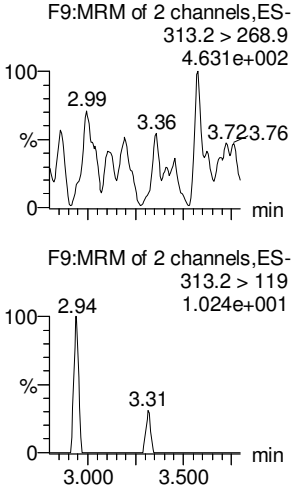
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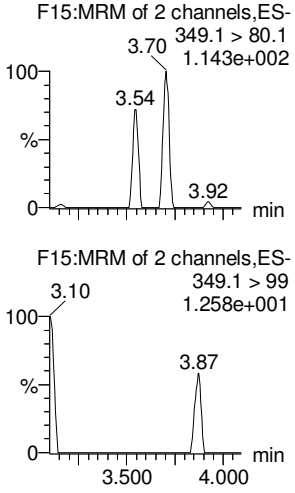
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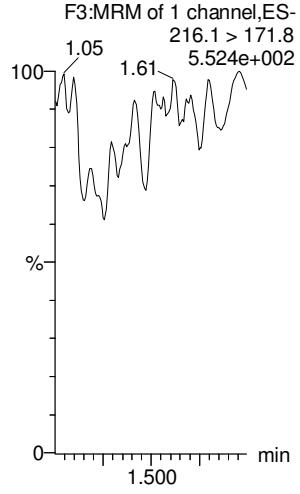
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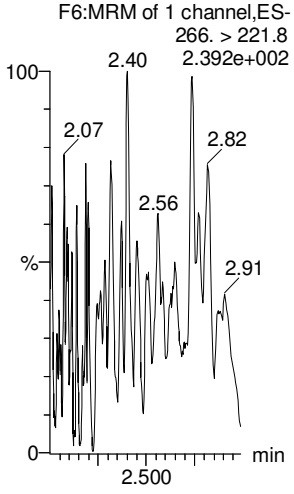
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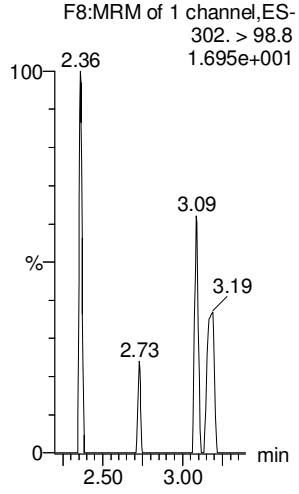
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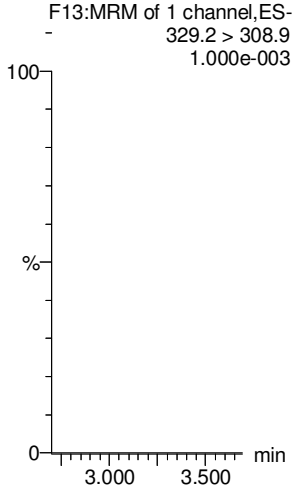
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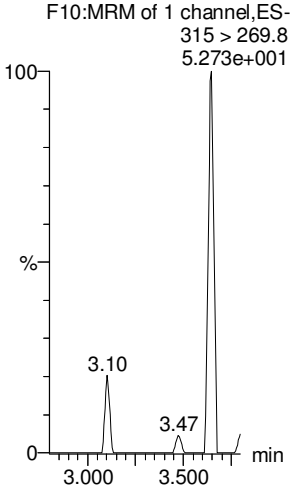
13C3-PFBS



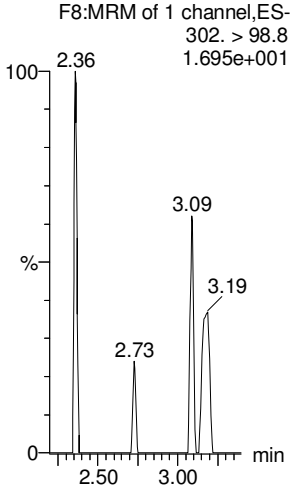
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13C2-PFHxA



13C3-PFBS

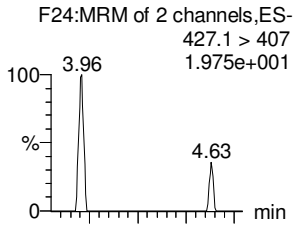


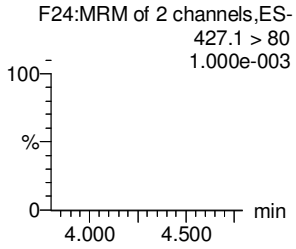
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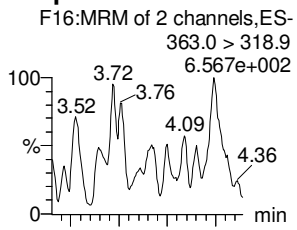
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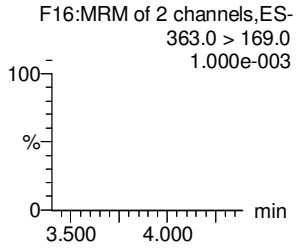
6:2 FTS



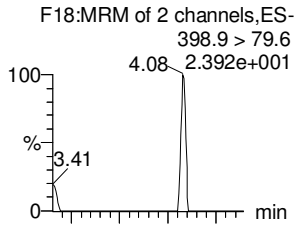


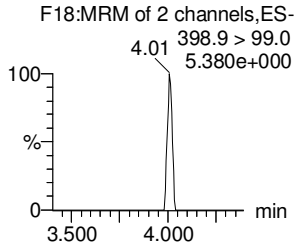
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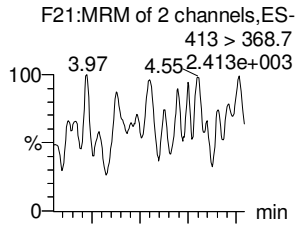


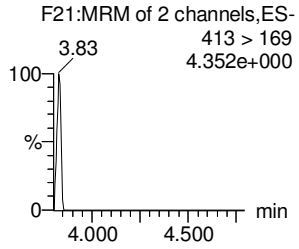
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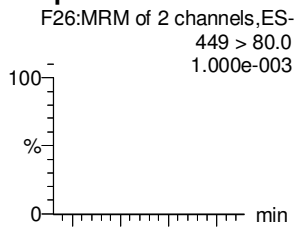


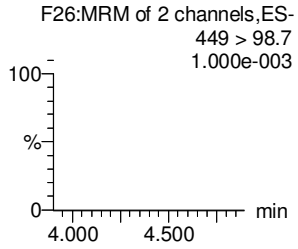
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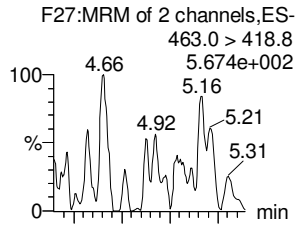


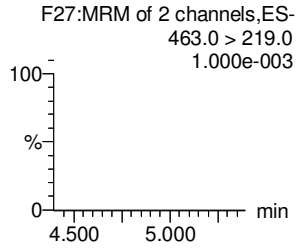
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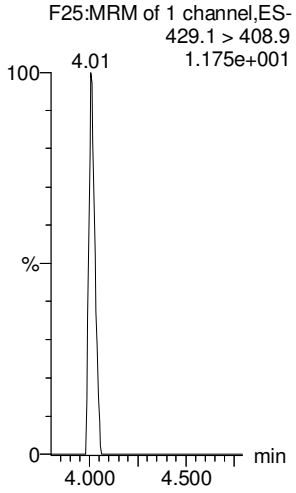


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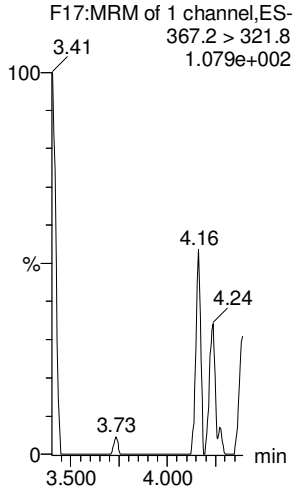




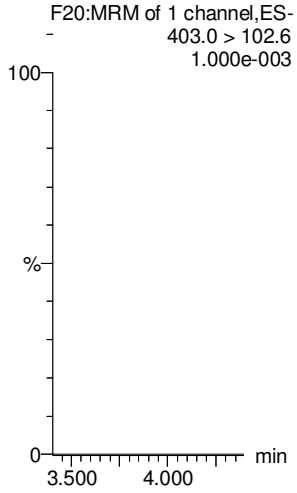
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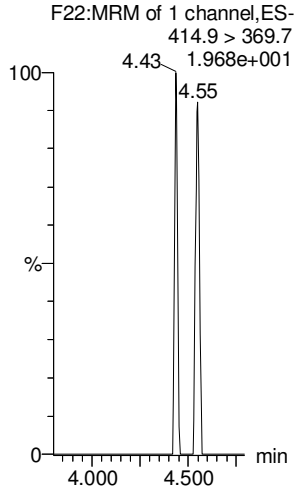
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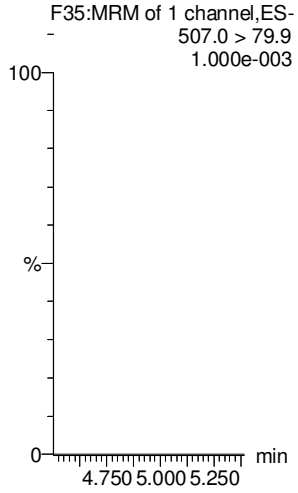
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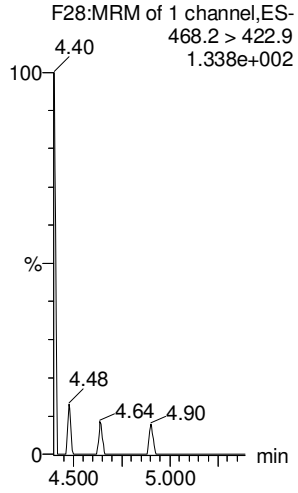
13C2-PFOA



13C8-PFOS



13C5-PFNA

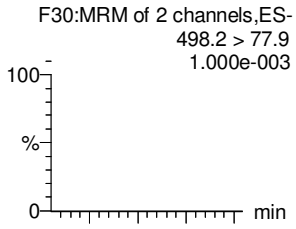


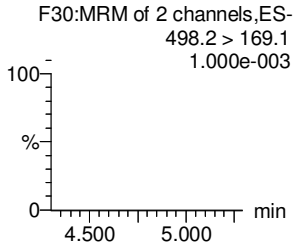
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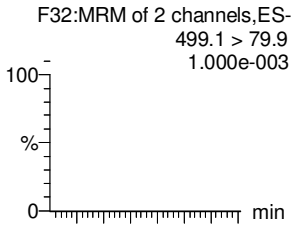
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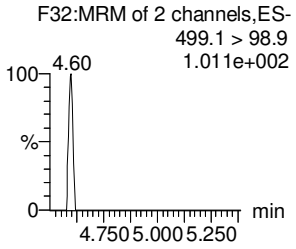
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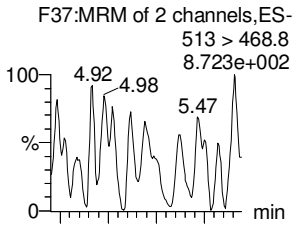


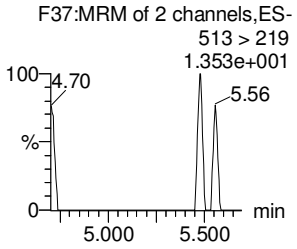
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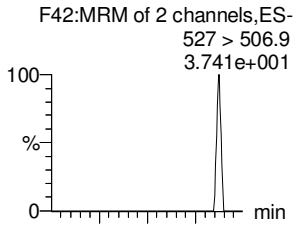


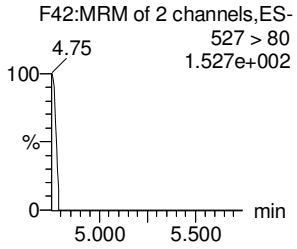
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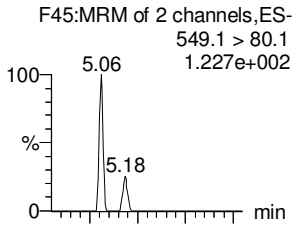


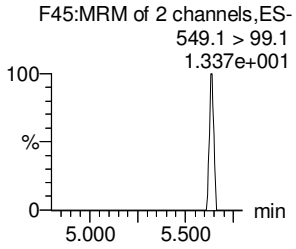
8:2 FTS



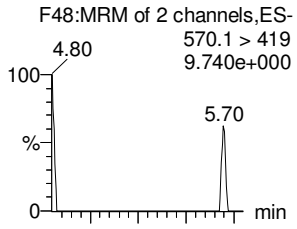


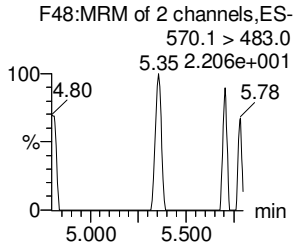
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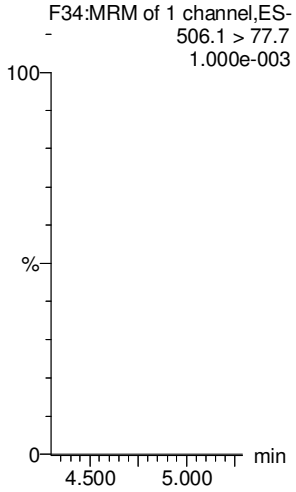


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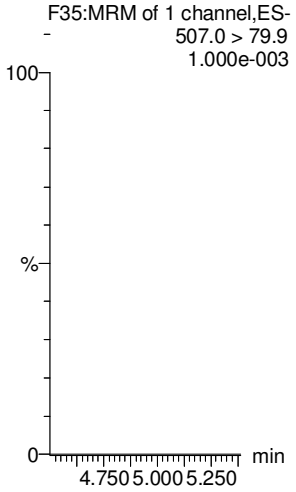




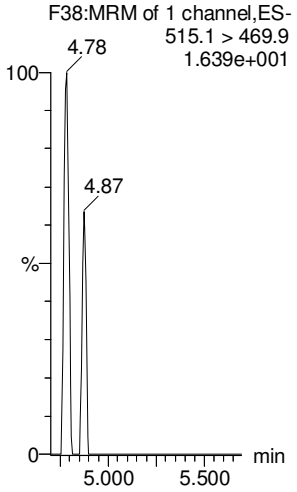
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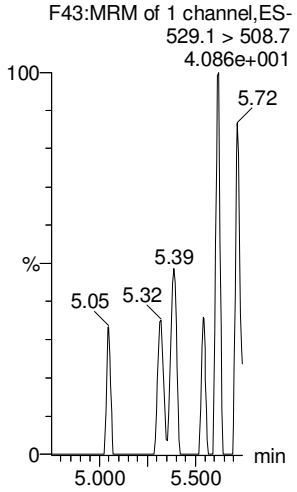
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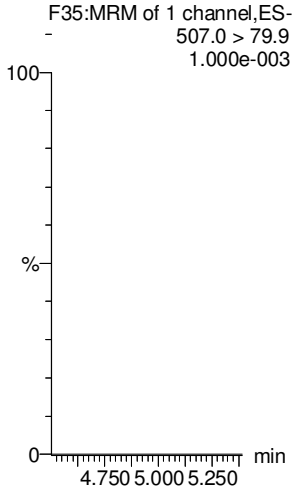
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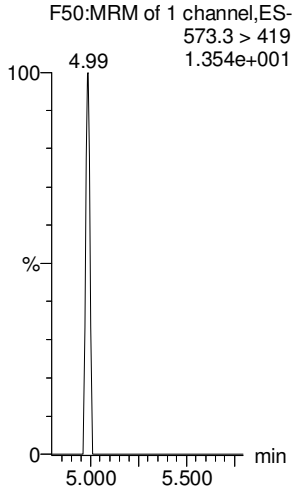
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13C8-PFOS



d3-N-MeFOSAA

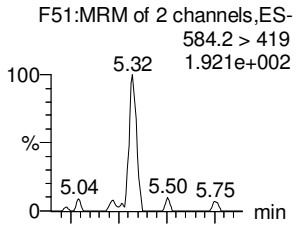


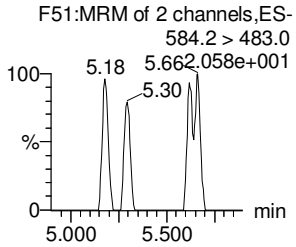
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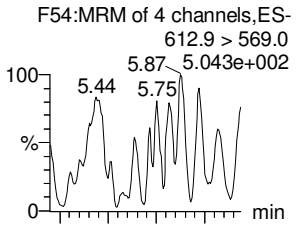
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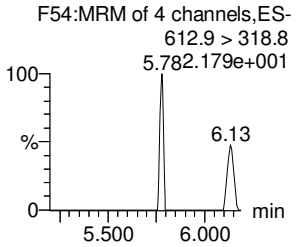
L-EtFOSAA



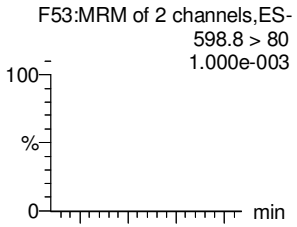


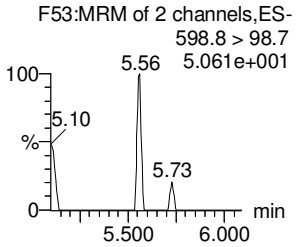
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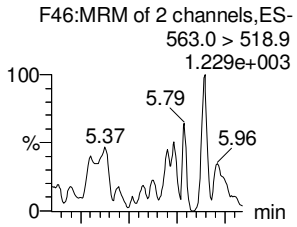


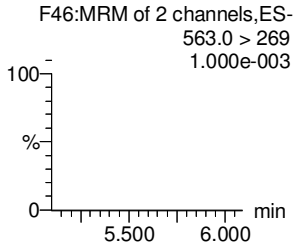
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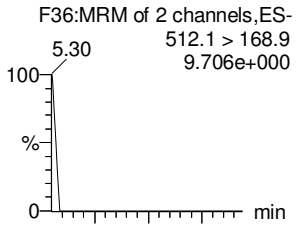


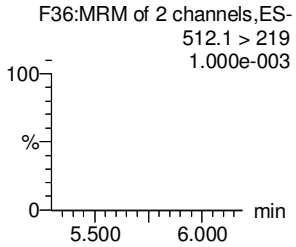
PFUdA



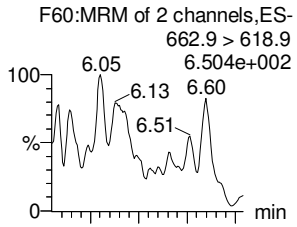


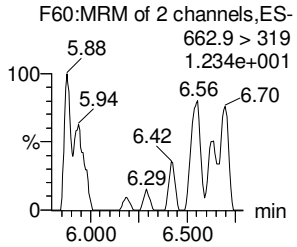
N-MeFOSA



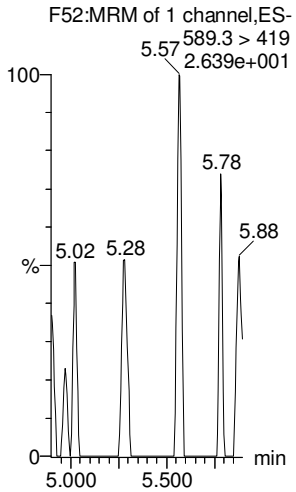


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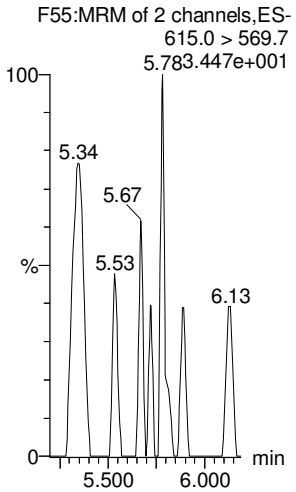




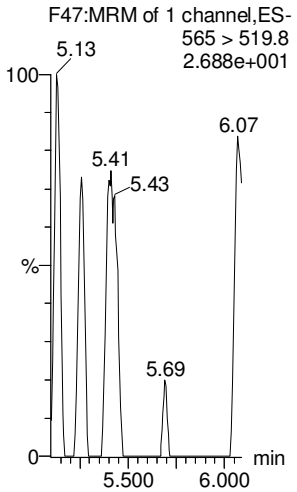
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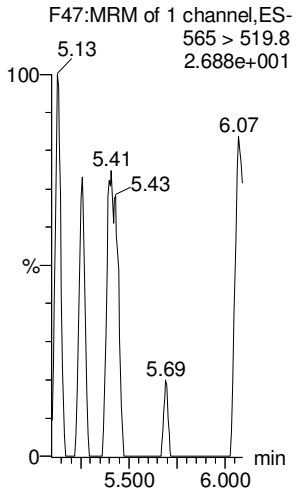
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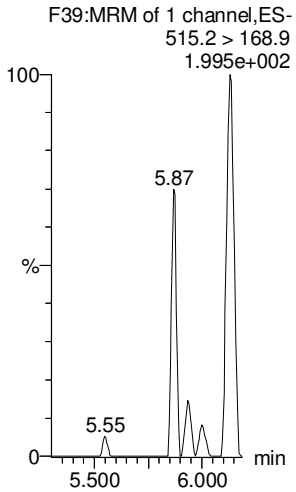
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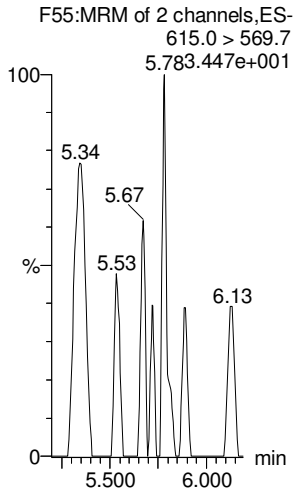
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

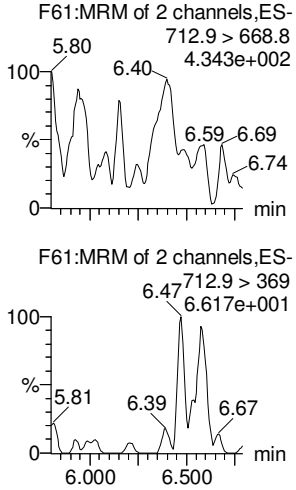


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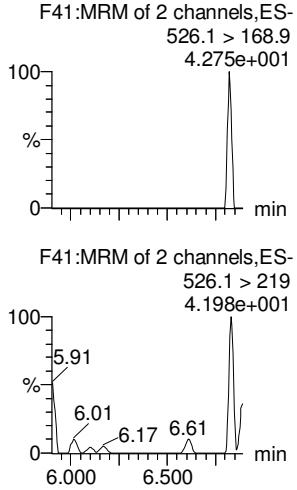
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Name: 180713M1_11, Date: 13-Jul-2018, Time: 12:53:31, ID: IPA, Description: IPA

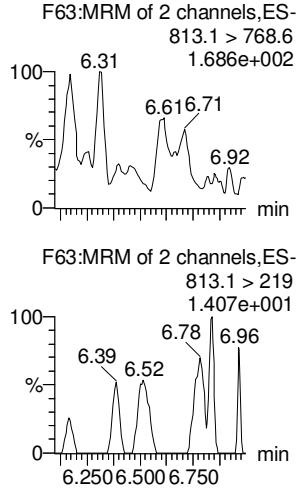
PFTeDA



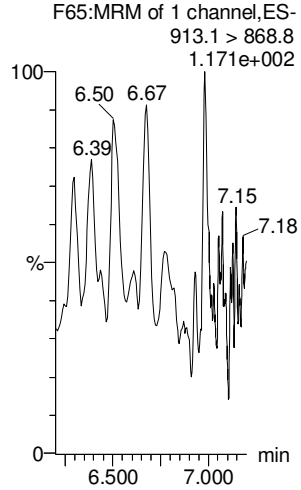
N-EtFOSA



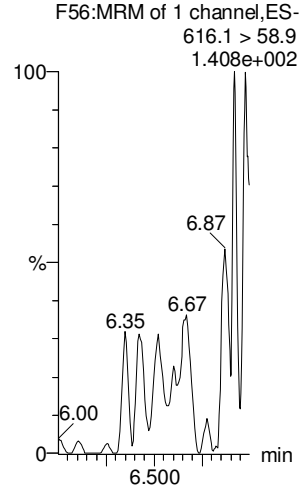
PFHxDA



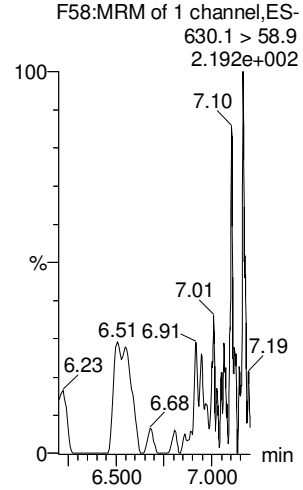
PFODA



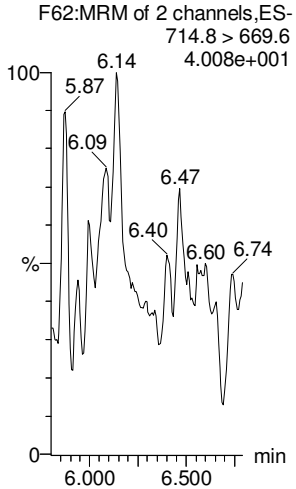
N-MeFOSE



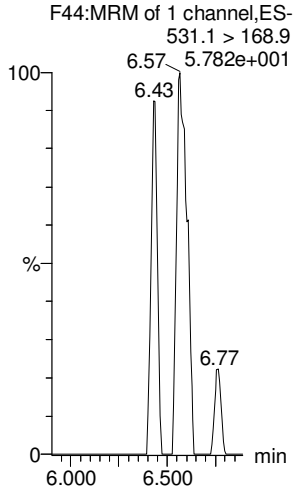
N-EtFOSE



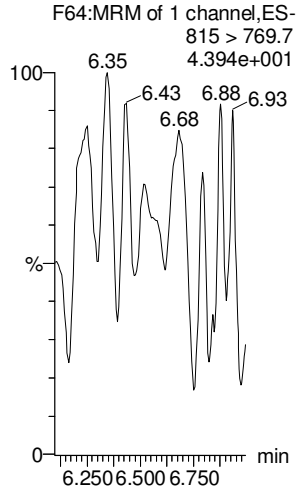
13C2-PFTeDA



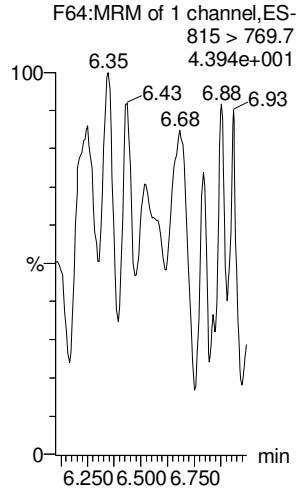
d5-N-ETFOSA



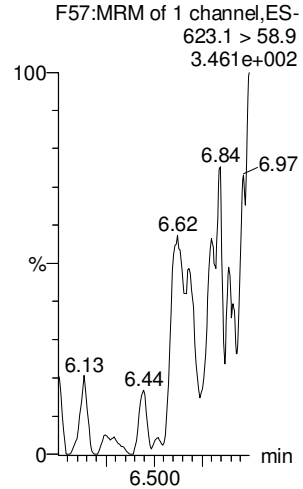
13C2-PFHxDA



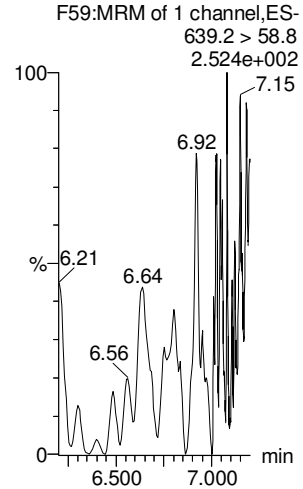
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



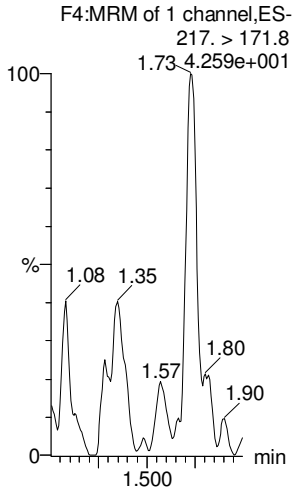
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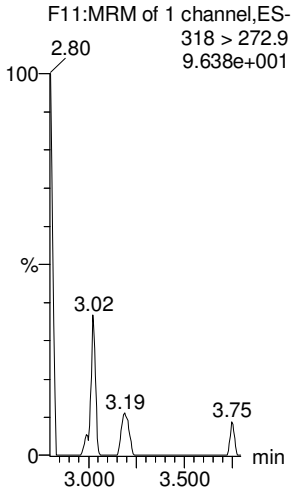
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Name: 180713M1_11, Date: 13-Jul-2018, Time: 12:53:31, ID: IPA, Description: IPA

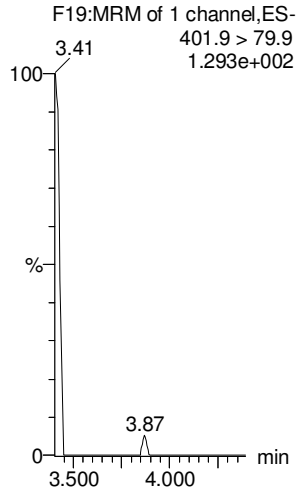
13C4-PFBA



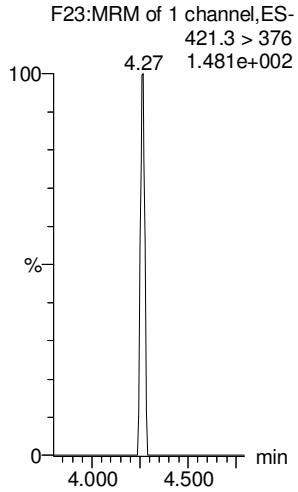
13C5-PFHxA



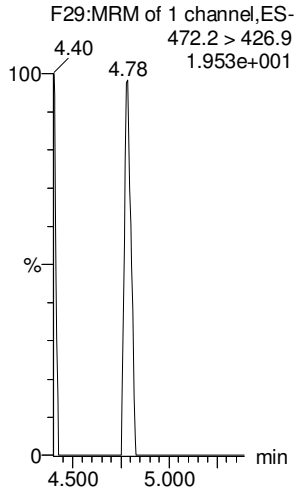
13C3-PFHxS



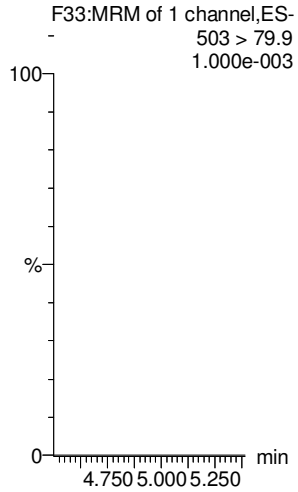
13C8-PFOA



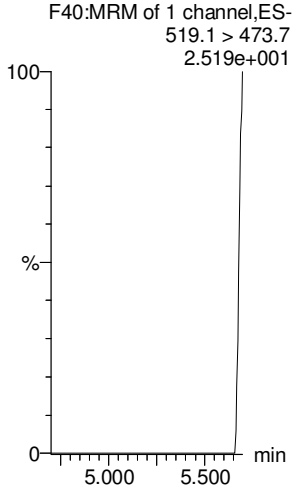
13C9-PFNA



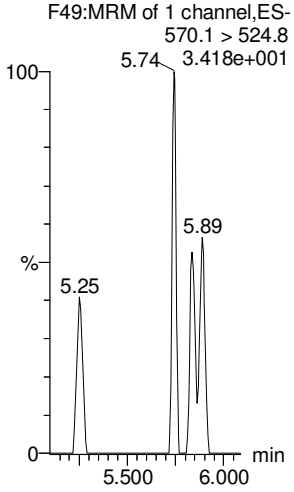
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-48.qld

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JLM 7/15/18 AG 7/15/18

Name: 180713M2_48, Date: 14-Jul-2018, Time: 00:34:05, ID: ST180713M2-12 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	5988.646	6692.338	1.00	1.33	11.186	9.7	96.6	NO		
2	2	PFPeA	263.1 > 218.9	9089.261	11197.732	1.00	2.33	10.146	9.7	97.1	NO		
3	3	PFBS	299.0 > 79.7	2009.804	1390.655	1.00	2.63	18.065	9.1	91.1	NO	2.634	NO
4	4	4:2 FTS	327.2>307.2	2129.727	2634.245	1.00	3.03	10.106	10.6	105.5	NO	1.744	NO
5	5	PFHxA	313.2 > 268.9	10991.187	3265.752	1.00	3.12	16.828	10.0	100.5	NO	351.943	NO
6	6	PFPeS	349.1>80.1	1870.557	1390.655	1.00	3.32	16.814	9.2	91.9	NO	1.715	NO
7	36	13C3-PFBA	216.1 > 171.8	6692.338	7229.121	1.00	1.34	11.572	12.6	101.1	NO		
8	37	13C3-PFPeA	266. > 221.8	11197.732	11889.188	1.00	2.33	11.773	11.9	95.3	NO		
9	38	13C3-PFBS	302. > 98.8	1390.655	11889.188	1.00	2.62	1.462	12.2	97.6	NO		
10	39	13C2-4:2 FTS	329.2>308.9	2634.245	11889.188	1.00	3.03	2.770	11.4	91.6	NO		
11	40	13C2-PFHxA	315 > 269.8	3265.752	11889.188	1.00	3.12	3.434	4.6	92.1	NO		
12	38	13C3-PFBS	302. > 98.8	1390.655	11889.188	1.00	2.62	1.462	12.2	97.6	NO		
13	-1												
14	10	6:2 FTS	427.1 > 407	1818.201	2348.365	1.00	4.21	9.678	9.3	93.0	NO	2.782	NO
15	7	PFHpA	363.0 > 318.9	8403.846	8891.813	1.00	3.74	11.814	10.3	103.1	NO	17.270	NO
16	8	L-PFHxS	398.9 > 79.6	1399.144	959.911	1.00	3.89	18.220	9.7	96.7	NO	1.483	NO
17	11	L-PFOA	413 > 368.7	9250.543	10616.578	1.00	4.26	10.892	10.5	105.1	NO	3.639	NO
18	13	PFHpS	449 > 80.0	1685.840	3312.526	1.00	4.38	6.362	7.9	79.4	NO	1.644	NO
19	14	PFNA	463.0 > 418.8	11450.498	12572.485	1.00	4.70	11.384	9.8	98.5	NO	4.360	NO
20	43	13C2-6:2 FTS	429.1 > 408.9	2348.365	11792.047	1.00	4.21	2.489	11.7	93.7	NO		
21	41	13C4-PFHpA	367.2 > 321.8	8891.813	11889.188	1.00	3.74	9.349	11.5	92.2	NO		
22	42	18O2-PFHxS	403.0 > 102.6	959.911	2495.823	1.00	3.89	4.808	11.8	94.1	NO		
23	44	13C2-PFOA	414.9 > 369.7	10616.578	11792.047	1.00	4.27	11.254	11.9	95.2	NO		
24	47	13C8-PFOS	507.0 > 79.9	3312.526	2958.625	1.00	4.78	13.995	12.6	100.9	NO		
25	45	13C5-PFNA	468.2 > 422.9	12572.485	11829.022	1.00	4.70	13.286	13.6	108.5	NO		
26	-1												
27	15	PFOSA	498.2 > 77.9	4315.404	6006.535	1.00	4.76	8.981	9.3	93.5	NO	34.721	NO
28	16	L-PFOS	499.1 > 79.9	2328.907	3312.526	1.00	4.78	8.788	10.3	102.8	NO	1.907	NO
29	18	PFDA	513 > 468.8	12111.275	12343.815	1.00	5.07	12.265	9.5	95.3	NO	5.319	NO
30	19	8:2 FTS	527 > 506.9	2606.924	2146.448	1.00	5.04	15.182	10.1	101.3	NO	2.338	NO
31	20	PFNS	549.1>80.1	2145.153	3312.526	1.00	5.14	8.095	9.9	98.8	NO	1.635	NO
32	21	L-MeFOSAA	570.1 > 419	3942.756	4157.845	1.00	5.23	11.853	11.1	111.0	NO	13.924	NO
33	46	13C8-PFOSA	506.1 > 77.7	6006.535	17486.678	1.00	4.76	4.294	14.2	113.4	NO		
34	47	13C8-PFOS	507.0 > 79.9	3312.526	2958.625	1.00	4.78	13.995	12.6	100.9	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-48.qld

Last Altered: Sunday, July 15, 2018 09:35:27 Pacific Daylight Time
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Name: 180713M2_48, Date: 14-Jul-2018, Time: 00:34:05, ID: ST180713M2-12 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48	13C2-PFDA	515.1 > 469.9	12343.815	12544.480	1.00	5.08	12.300	12.2	97.7	NO		
36	49	13C2-8:2 FTS	529.1 > 508.7	2146.448	11889.188	1.00	5.05	2.257	11.6	92.5	NO		
37	47	13C8-PFOS	507.0 > 79.9	3312.526	2958.625	1.00	4.78	13.995	12.6	100.9	NO		
38	50	d3-N-MeFOSAA	573.3 > 419	4157.845	17486.678	1.00	5.22	2.972	11.5	92.0	NO		
39	-1												
40	23	L-EtFOSAA	584.2 > 419	4073.712	6188.744	1.00	5.38	8.228	9.0	90.3	NO	26.261	YES
41	27	PFDoA	612.9 > 569.0	17552.434	17035.244	1.00	5.68	12.879	9.3	93.2	NO	8.660	NO
42	26	PFDS	598.8 > 80	2456.270	16400.445	1.00	5.45	1.872	9.6	95.9	NO	1.936	NO
43	25	PFUdA	563.0 > 518.9	12951.079	16400.445	1.00	5.40	9.871	9.2	92.2	NO	13.572	NO
44	28	N-MeFOSA	512.1 > 168.9	7623.865	22116.496	1.00	5.76	51.707	53.3	106.6	NO	1.370	NO
45	29	PFTrDA	662.9 > 618.9	16492.926	17035.244	1.00	5.93	12.102	9.4	93.6	NO	24.536	NO
46	51	d5-N-EtFOSAA	589.3 > 419	6188.744	17486.678	1.00	5.38	4.424	15.8	126.5	NO		
47	53	13C2-PFDoA	615.0 > 569.7	17035.244	12544.480	1.00	5.68	16.975	13.4	107.6	NO		
48	52	13C2-PFUdA	565 > 519.8	16400.445	17486.678	1.00	5.40	11.724	13.0	103.6	NO		
49	52	13C2-PFUdA	565 > 519.8	16400.445	17486.678	1.00	5.40	11.724	13.0	103.6	NO		
50	54	d3-N-MeFOSA	515.2 > 168.9	22116.496	17486.678	1.00	5.79	15.810	152.0	101.4	NO		
51	53	13C2-PFDoA	615.0 > 569.7	17035.244	12544.480	1.00	5.68	16.975	13.4	107.6	NO		
52	-1												
53	30	PFTeDA	712.9 > 668.8	14490.825	11134.585	1.00	6.14	16.268	9.3	93.0	NO	10.989	NO
54	31	N-EtFOSA	526.1 > 168.9	7911.924	25270.012	1.00	6.17	46.964	53.4	106.9	NO	1.449	NO
55	32	PFHxDA	813.1 > 768.6	7953.690	6447.514	1.00	6.47	6.168	10.0	99.7	NO	25.045	NO
56	33	PFODA	913.1 > 868.8	12356.059	6447.514	1.00	6.70	9.582	10.4	104.1	NO		
57	34	N-MeFOSE	616.1 > 58.9	8488.589	26517.498	1.00	6.34	48.017	49.5	99.1	NO		
58	35	N-EtFOSE	630.1 > 58.9	10207.941	24428.262	1.00	6.49	62.681	54.7	109.4	NO		
59	55	13C2-PFTeDA	714.8 > 669.6	11134.585	17486.678	1.00	6.14	7.959	13.9	110.9	NO		
60	56	d5-N-ETFOSA	531.1 > 168.9	25270.012	17486.678	1.00	6.19	18.064	156.9	104.6	NO		
61	57	13C2-PFHxDA	815 > 769.7	6447.514	17486.678	1.00	6.47	4.609	5.2	104.8	NO		
62	57	13C2-PFHxDA	815 > 769.7	6447.514	17486.678	1.00	6.47	4.609	5.2	104.8	NO		
63	58	d7-N-MeFOSE	623.1 > 58.9	26517.498	17486.678	1.00	6.33	18.956	159.4	106.3	NO		
64	59	d9-N-EtFOSE	639.2 > 58.8	24428.262	17486.678	1.00	6.47	17.462	150.7	100.5	NO		
65	-1												
66	60	13C4-PFBA	217. > 171.8	7229.121	7229.121	1.00	1.33	12.500	12.5	100.0	NO		
67	61	13C5-PFHxA	318 > 272.9	11889.188	11889.188	1.00	3.12	12.500	12.5	100.0	NO		
68	62	13C3-PFHxS	401.9 > 79.9	2495.823	2495.823	1.00	3.89	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-48.qld

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Name: 180713M2_48, Date: 14-Jul-2018, Time: 00:34:05, ID: ST180713M2-12 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63	13C8-PFOA	421.3 > 376	11792.047	11792.047	1.00	4.27	12.500	12.5	100.0	NO		
70	64	13C9-PFNA	472.2 > 426.9	11829.022	11829.022	1.00	4.70	12.500	12.5	100.0	NO		
71	65	13C4-PFOS	503 > 79.9	2958.625	2958.625	1.00	4.78	12.500	12.5	100.0	NO		
72	66	13C6-PFDA	519.1 > 473.7	12544.480	12544.480	1.00	5.08	12.500	12.5	100.0	NO		
73	67	13C7-PFUdA	570.1 > 524.8	17486.678	17486.678	1.00	5.40	12.500	12.5	100.0	NO		

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
1	1	180713M2_1	IPA	13-Jul-18	16:22:10
2	2	180713M2_2	ST180713M2-1 PFC CS-2 18G0504	13-Jul-18	16:32:35
3	3	180713M2_3	ST180713M2-2 PFC CS-1 18G0505	13-Jul-18	16:43:04
4	4	180713M2_4	ST180713M2-3 PFC CS0 18G0506	13-Jul-18	16:53:30
5	5	180713M2_5	ST180713M2-4 PFC CS1 18G0507	13-Jul-18	17:04:00
6	6	180713M2_6	ST180713M2-5 PFC CS2 18G0508	13-Jul-18	17:14:24
7	7	180713M2_7	ST180713M2-6 PFC CS3 18G0509	13-Jul-18	17:24:55
8	8	180713M2_8	ST180713M2-7 PFC CS4 18G0510	13-Jul-18	17:35:19
9	9	180713M2_9	ST180713M2-8 PFC CS5 18G0511	13-Jul-18	17:45:50
10	10	180713M2_10	ST180713M2-9 PFC CS6 18G0512	13-Jul-18	17:56:15
11	11	180713M2_11	ST180713M2-10 PFC CS7 18G0513	13-Jul-18	18:06:45
12	12	180713M2_12	IPA	13-Jul-18	18:17:33
13	13	180713M2_13	ICV180713M2-1 PFC 537 ICV 18G0514	13-Jul-18	18:27:59
14	14	180713M2_14	B8F0196-BS1 OPR 1	13-Jul-18	18:38:29
15	15	180713M2_15	B8F0196-MS1 Matrix Spike 1.01	13-Jul-18	18:48:59
16	16	180713M2_16	B8F0196-MSD1 Matrix Spike Dup 1.01	13-Jul-18	18:59:24
17	17	180713M2_17	B8F0196-BLK1 Method Blank 1	13-Jul-18	19:09:54
18	18	180713M2_18	1801388-03 MCLPCH292 1.04	13-Jul-18	19:20:16
19	19	180713M2_19	1801388-04 MCLPCH298 1.01	13-Jul-18	19:30:46
20	20	180713M2_20	1801388-06 MCLPCH305 1.13	13-Jul-18	19:41:17
21	21	180713M2_21	1801388-07 MCLPCH306 1.35	13-Jul-18	19:51:47
22	22	180713M2_22	1801388-09 MCLPCH308 1.22	13-Jul-18	20:02:12
23	23	180713M2_23	1801388-10 MCLPCH309 1.32	13-Jul-18	20:12:43
24	24	180713M2_24	1801388-11 MCLPCH314 1.25	13-Jul-18	20:23:07
25	25	180713M2_25	1801388-12 MCLPCH315 1.36	13-Jul-18	20:33:37
26	26	180713M2_26	1801388-13 MCLPCH324 1.07	13-Jul-18	20:44:02
27	27	180713M2_27	1801388-14 MCLPCH323 1.43	13-Jul-18	20:54:32
28	28	180713M2_28	IPA	13-Jul-18	21:04:57
29	29	180713M2_29	ST180713M2-11 PFC CS3 18G0509	13-Jul-18	21:15:27
30	30	180713M2_30	1801388-15 MCLPCH320 1.1	13-Jul-18	21:25:52
31	31	180713M2_31	1801388-16 MCLPCH321 1.05	13-Jul-18	21:36:23
32	32	180713M2_32	1801388-17 MCLPCH392 1.05	13-Jul-18	21:46:47

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Compound name: PFBA

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33	33	180713M2_33	1801388-18 MCLPCH293 1.13	13-Jul-18	21:57:18
34	34	180713M2_34	1801388-19 MCLPCH294 1.2	13-Jul-18	22:07:42
35	35	180713M2_35	B8G0003-BS1 OPR 0.125	13-Jul-18	22:18:13
36	36	180713M2_36	B8G0003-MS1 Matrix Spike 0.11902	13-Jul-18	22:28:37
37	37	180713M2_37	B8G0003-MSD1 Matrix Spike Dup 0.117...	13-Jul-18	22:39:08
38	38	180713M2_38	B8G0003-BLK1 Method Blank 0.125	13-Jul-18	22:49:32
39	39	180713M2_39	1801167-01RE1 REEPDW1118FRB 0.1...	13-Jul-18	23:00:03
40	40	180713M2_40	1801167-02RE1 REEPDW1113FRB 0.1...	13-Jul-18	23:10:25
41	41	180713M2_41	1801167-05RE1 REEPDW1117FRB 0.1...	13-Jul-18	23:20:55
42	42	180713M2_42	1801490-01 REEPDW1180 0.11671	13-Jul-18	23:31:20
43	43	180713M2_43	1801490-02 REEPDW567 0.11621	13-Jul-18	23:41:50
44	44	180713M2_44	1801490-03 REEPDW1181 0.11605	13-Jul-18	23:52:15
45	45	180713M2_45	1801490-04 REEPDW1182 0.11959	14-Jul-18	00:02:45
46	46	180713M2_46	1801490-05 REEPDW1183 0.11851	14-Jul-18	00:13:10
47	47	180713M2_47	IPA	14-Jul-18	00:23:41
48	48	180713M2_48	ST180713M2-12 PFC CS3 18G0509	14-Jul-18	00:34:05
49	49	180713M2_49	1801490-06 REEPDW1184 0.11562	14-Jul-18	00:44:36
50	50	180713M2_50	1801490-07 REEPDW1185 0.11546	14-Jul-18	00:55:00
51	51	180713M2_51	1801491-01 REEPDW1180FRB 0.11925	14-Jul-18	01:05:31
52	52	180713M2_52	1801491-02 REEPDW1181FRB 0.11884	14-Jul-18	01:15:56
53	53	180713M2_53	1801491-03 REEPDW1182FRB 0.11814	14-Jul-18	01:26:27
54	54	180713M2_54	1801491-04 REEPDW1183FRB 0.11809	14-Jul-18	01:36:52
55	55	180713M2_55	1801491-05 REEPDW1184FRB 0.11912	14-Jul-18	01:47:14
56	56	180713M2_56	1801491-06 REEPDW1185FRB 0.11729	14-Jul-18	01:57:44
57	57	180713M2_57	B8G0006-BS1 OPR 0.25	14-Jul-18	02:08:09
58	58	180713M2_58	B8G0006-MS1 Matrix Spike 0.24814	14-Jul-18	02:18:39
59	59	180713M2_59	B8G0006-MSD1 Matrix Spike Dup 0.247...	14-Jul-18	02:29:04
60	60	180713M2_60	B8G0006-BLK1 Method Blank 0.25	14-Jul-18	02:39:35
61	61	180713M2_61	1801486-01 FT-SW10-20180626 0.24705	14-Jul-18	02:49:59
62	62	180713M2_62	1801486-02 FT-SW12-20180626 0.24374	14-Jul-18	03:00:30
63	63	180713M2_63	1801486-03 FT-SW13-20180626 0.25801	14-Jul-18	03:10:54
64	64	180713M2_64	1801486-04 SW-DP01-20180626 0.243...	14-Jul-18	03:21:24
65	65	180713M2_65	1801486-05 SW-DP02-20180626 0.239...	14-Jul-18	03:31:49
66	66	180713M2_66	1801486-06 SA-SW201-20180626 0.25...	14-Jul-18	03:42:19
67	67	180713M2_67	1801486-07 SA-SW201-FRB-20180626...	14-Jul-18	03:52:44
68	68	180713M2_68	1801486-08 SA-SW204-20180626 0.24...	14-Jul-18	04:03:15

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70	70	180713M2_70	IPA	14-Jul-18	04:24:09
71	71	180713M2_71	ST180713M2-13 PFC CS3 18G0509	14-Jul-18	04:34:34
72	72	180713M2_72	ST180713M2-14 PFC CS0 18G0506	14-Jul-18	04:45:05
73	73	180713M2_73	1801486-10 SA-DUP01-20180626 0.246	14-Jul-18	04:55:30
74	74	180713M2_74	1801486-11 CA-AQIDW01-20180626 0....	14-Jul-18	05:06:00
75	75	180713M2_75	1801501-09 MCLPCH428 0.11948	14-Jul-18	05:16:26
76	76	180713M2_76	1801502-06 MCLPCB410 0.11585	14-Jul-18	05:26:56
77	77	180713M2_77	1801502-13 MCLPCD419 0.1208	14-Jul-18	05:37:21
78	78	180713M2_78	1801385-01@5X B-5-GW 0.2557	14-Jul-18	05:47:51
79	79	180713M2_79	1801385-02@5X B-5-GW DUP 0.25193	14-Jul-18	05:58:16
80	80	180713M2_80	1801385-03 B-6-GW 0.25052	14-Jul-18	06:08:46
81	81	180713M2_81	B8G0042-BS1 OPR 1	14-Jul-18	06:19:11
82	82	180713M2_82	B8G0042-BLK1 Method Blank 1	14-Jul-18	06:29:41
83	83	180713M2_83	1801266-04RE1 TP-1 1.12	14-Jul-18	06:40:06
84	84	180713M2_84	1801266-06RE1 TP-3 1.11	14-Jul-18	06:50:36
85	85	180713M2_85	IPA	14-Jul-18	07:01:06
86	86	180713M2_86	ST180713M2-15 PFC CS3 18G0509	14-Jul-18	07:11:31
87	87	180713M2_87	1801278-01RE1 HS-SB-224- (8-10) 1.12	14-Jul-18	07:22:02
88	88	180713M2_88	1801278-02RE1 HS-SB-129- (7-8) 1.1	14-Jul-18	07:32:26
89	89	180713M2_89	1801351-01RE1 HS-SB-118- (7-8)- EPA...	14-Jul-18	07:42:56
90	90	180713M2_90	1801366-10RE1 PGW-1 (2-4) 1.13	14-Jul-18	07:53:22
91	91	180713M2_91	1801366-11RE1 PGW-2 (1-1.5) 1.04	14-Jul-18	08:03:52
92	92	180713M2_92	1801366-12RE1 PGW-3 (1-2) 1.05	14-Jul-18	08:14:17
93	93	180713M2_93	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	14-Jul-18	08:24:48
94	94	180713M2_94	B8G0001-BS1 OPR 0.125	14-Jul-18	08:35:13
95	95	180713M2_95	B8G0001-BLK1 Method Blank 0.125	14-Jul-18	08:45:43
96	96	180713M2_96	1801494-01 Field Blank 0.11836	14-Jul-18	08:56:08
97	97	180713M2_97	1801494-02 Equip Blank 0.11849	14-Jul-18	09:06:38
98	98	180713M2_98	1801494-03 DW 0.11381	14-Jul-18	09:17:02
99	99	180713M2_99	1801494-04 MW-4 0.11665	14-Jul-18	09:29:42
100	1...	180713M2_100	1801494-05 MW-2 0.11525	14-Jul-18	09:40:07
101	1...	180713M2_101	IPA	14-Jul-18	09:50:37
102	1...	180713M2_102	ST180713M2-16 PFC CS3 18G0509	14-Jul-18	10:01:02
103	1...	180713M2_103	1801494-06 MW-1 0.11893	14-Jul-18	10:11:32
104	1...	180713M2_104	1801495-01 MW-5 0.11744	14-Jul-18	10:21:58

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Compound name: PFBA

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106	1...	180713M2_106	1801495-03 MW-2 0.11609	14-Jul-18	10:42:53
107	1...	180713M2_107	1801495-04 MW-3R 0.11651	14-Jul-18	10:53:24
108	1...	180713M2_108	1801497-01 Raw Water 0.11411	14-Jul-18	11:03:46
109	1...	180713M2_109	1801497-02 Finished Water 0.11702	14-Jul-18	11:14:17
110	1...	180713M2_110	1801498-01 BAR SINK /001 0.11897	14-Jul-18	11:24:41
111	1...	180713M2_111	IPA	14-Jul-18	11:35:11
112	1...	180713M2_112	ST180713M2-17 PFC CS3 18G0509	14-Jul-18	11:45:36
113	1...	180713M2_113	QC_180711_DT10	14-Jul-18	11:56:07
114	1...	180713M2_114	QC_180711_DT11	14-Jul-18	12:06:31
115	1...	180713M2_115	QC_180711_DT12	14-Jul-18	12:17:01
116	1...	180713M2_116	QC_180711_DT13	14-Jul-18	12:27:32
117	1...	180713M2_117	QC_180711_DT14	14-Jul-18	12:37:56
118	1...	180713M2_118	QC_180711_DT15	14-Jul-18	12:48:26
119	1...	180713M2_119	QC_180711_QC200	14-Jul-18	12:58:50
120	1...	180713M2_120	QC_180711_QC225	14-Jul-18	13:09:20
121	1...	180713M2_121	QC_180711_QC250	14-Jul-18	13:19:45

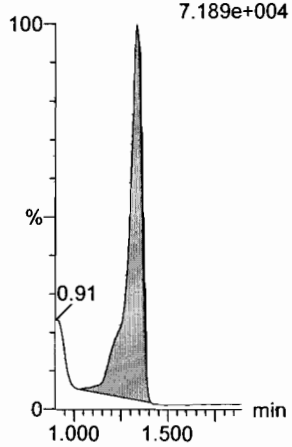
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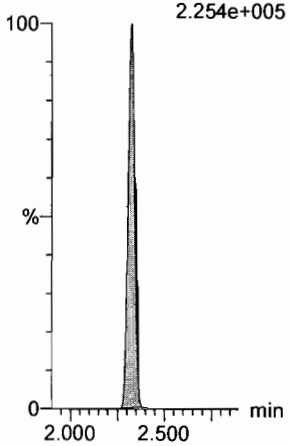
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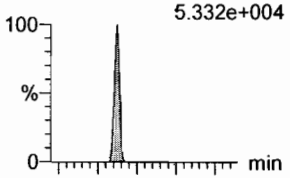
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
7.189e+004



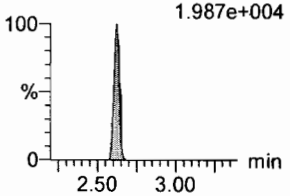
PFPeA
F5:MRM of 1 channel,ES-
263.1 > 218.9
2.254e+005



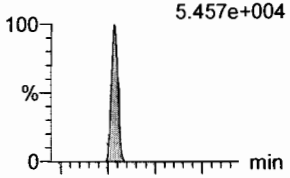
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
5.332e+004



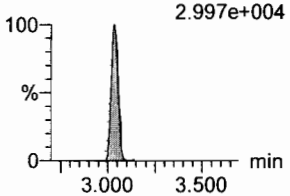
F7:MRM of 2 channels,ES-
299.0 > 99.0
1.987e+004



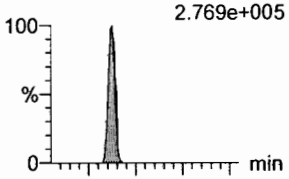
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
5.457e+004



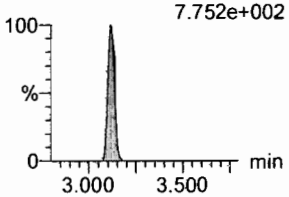
F12:MRM of 2 channels,ES-
327.2 > 81.1
2.997e+004



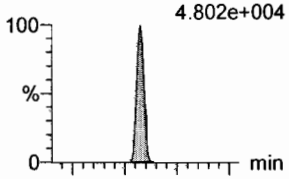
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
2.769e+005



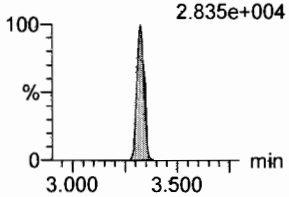
F9:MRM of 2 channels,ES-
313.2 > 119
7.752e+002



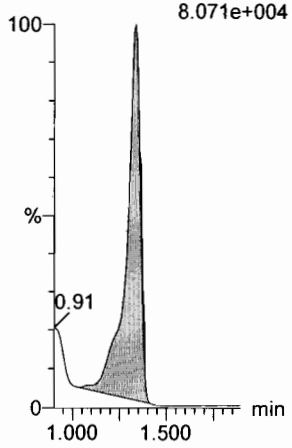
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
4.802e+004



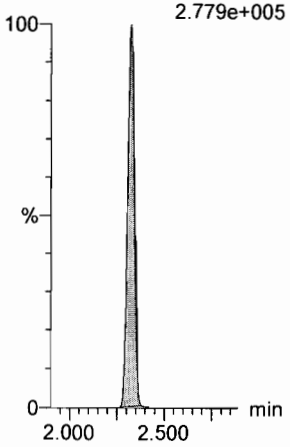
F15:MRM of 2 channels,ES-
349.1 > 99
2.835e+004



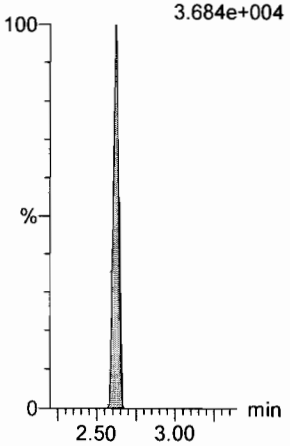
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
8.071e+004



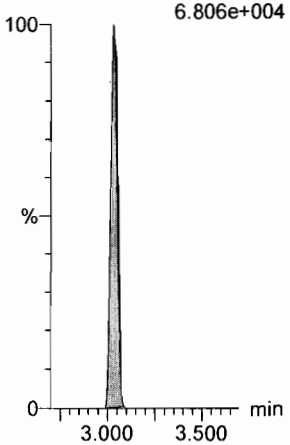
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
2.779e+005



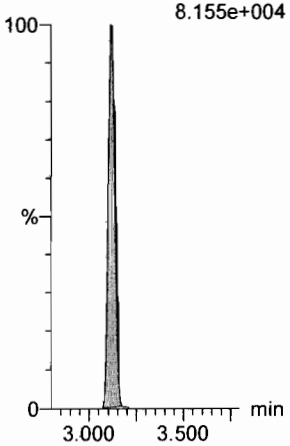
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.684e+004



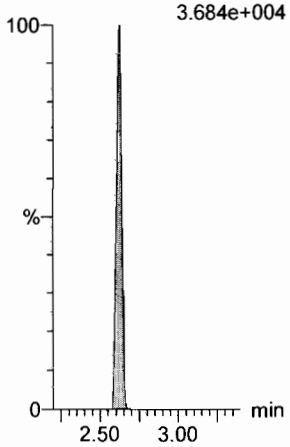
13C2-4:2 FTS
F13:MRM of 1 channel,ES-
329.2 > 308.9
6.806e+004



13C2-PFHxA
F10:MRM of 1 channel,ES-
315 > 269.8
8.155e+004



13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.684e+004

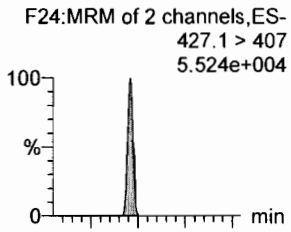


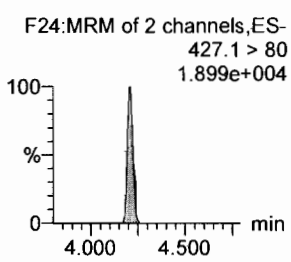
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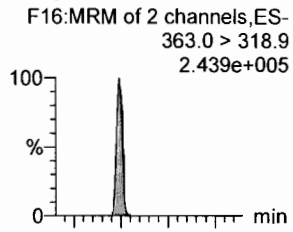
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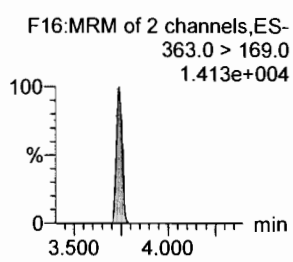
6:2 FTS



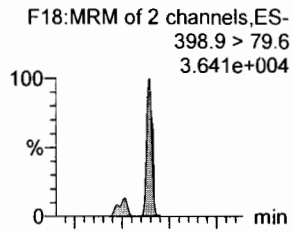


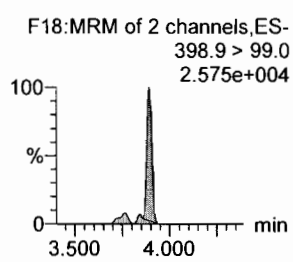
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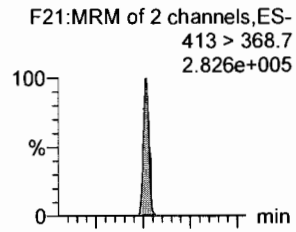


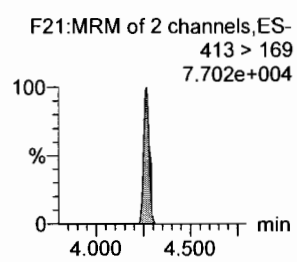
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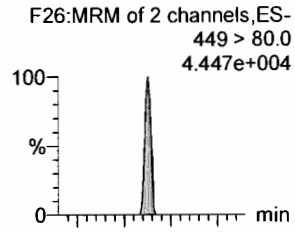


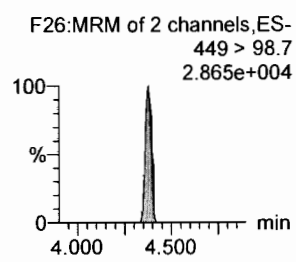
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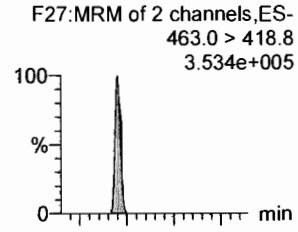


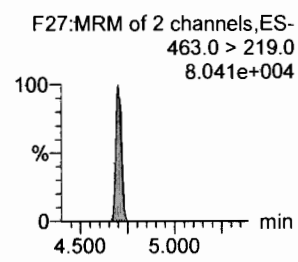
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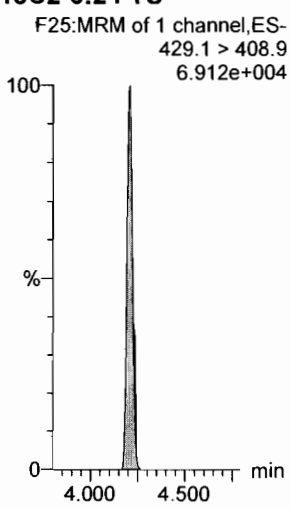


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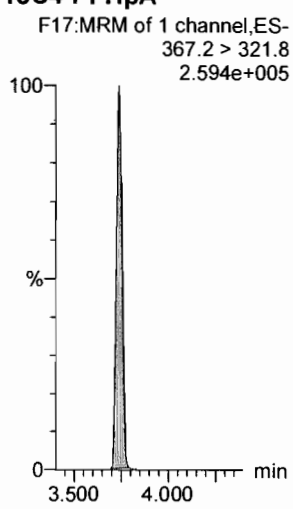




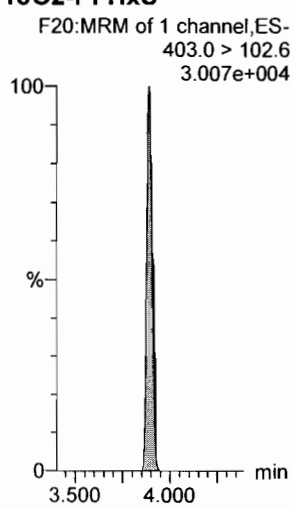
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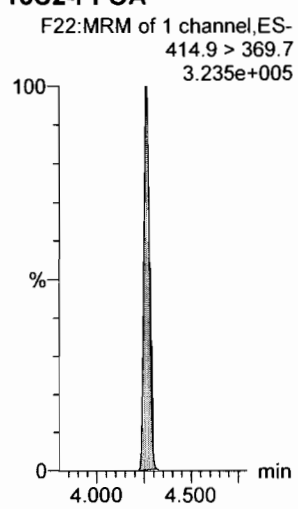
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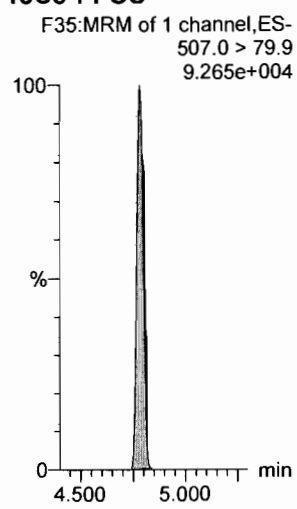
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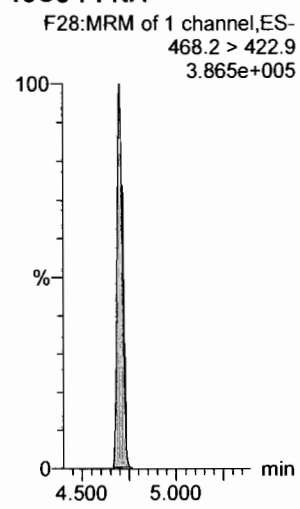
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13C8-PFOS



13C5-PFNA

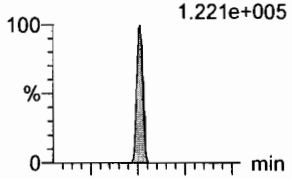


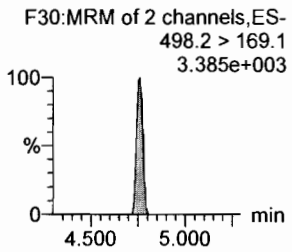
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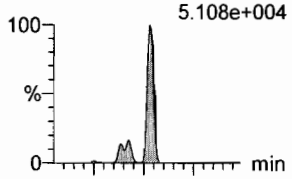
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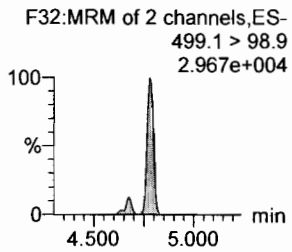
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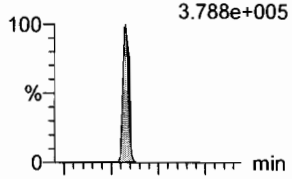


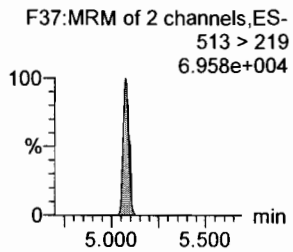
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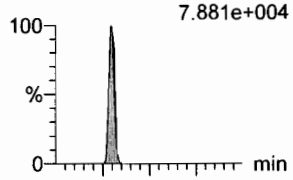


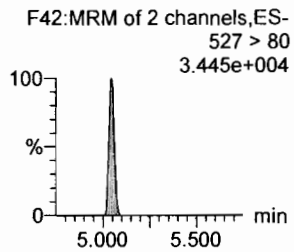
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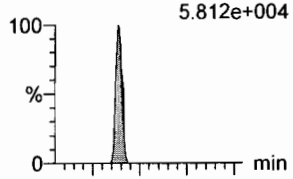


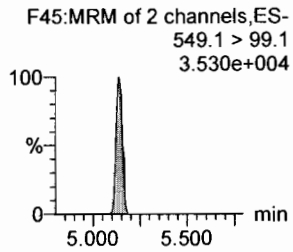
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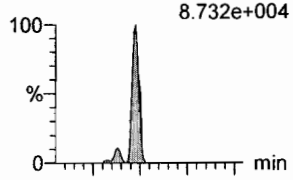


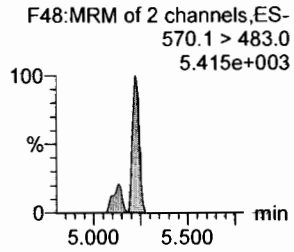
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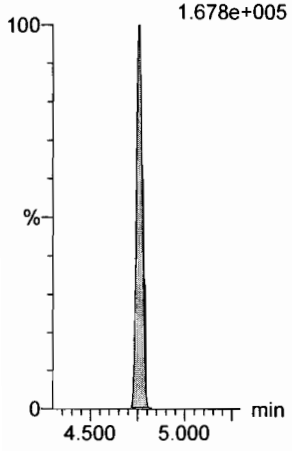


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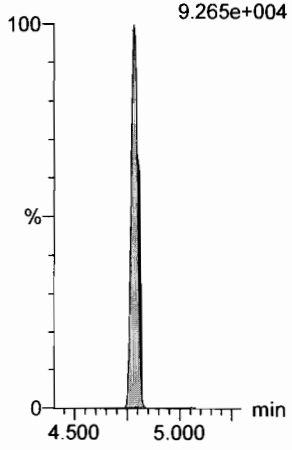




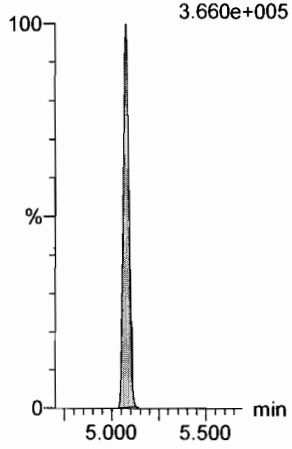
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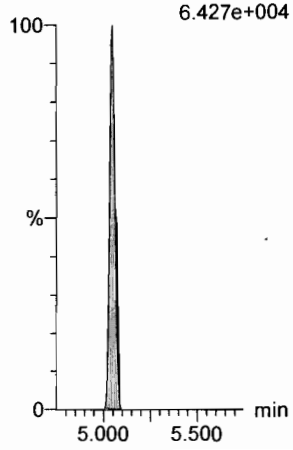
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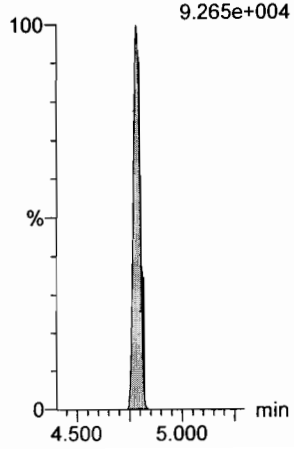
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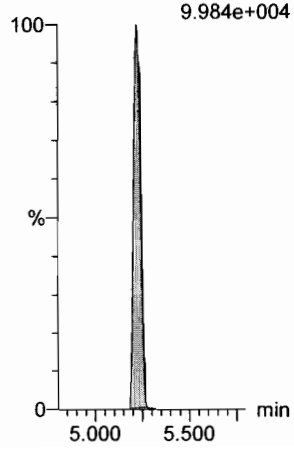
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13C8-PFOS



d3-N-MeFOSAA

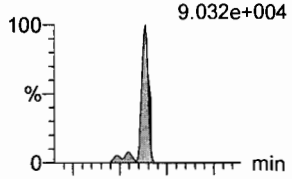


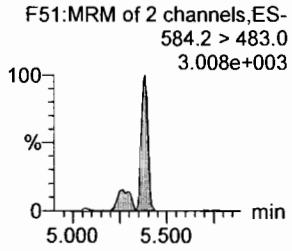
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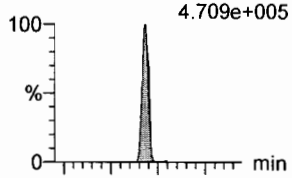
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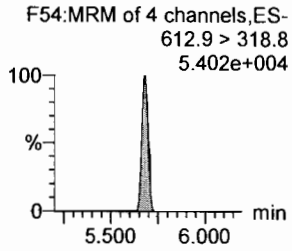
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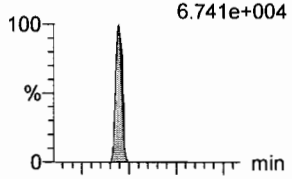


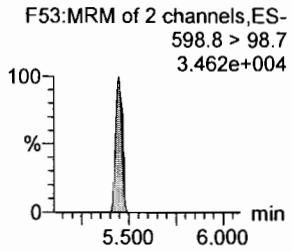
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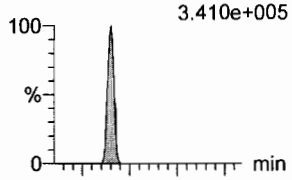


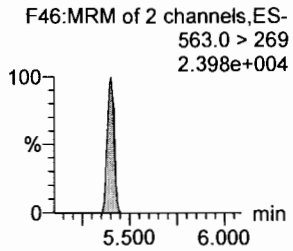
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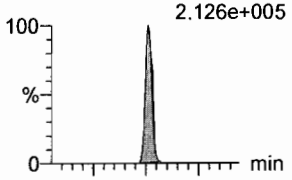


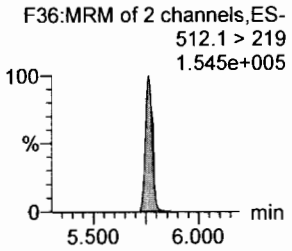
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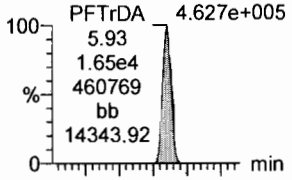


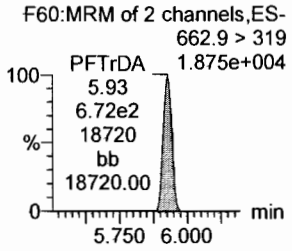
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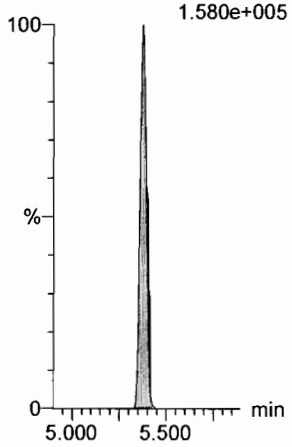


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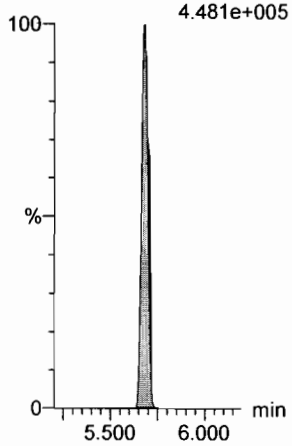




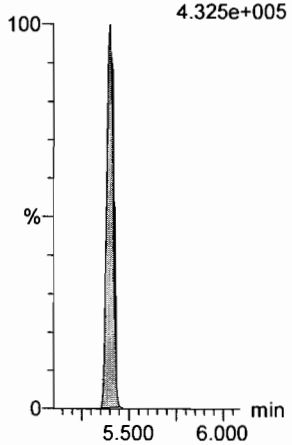
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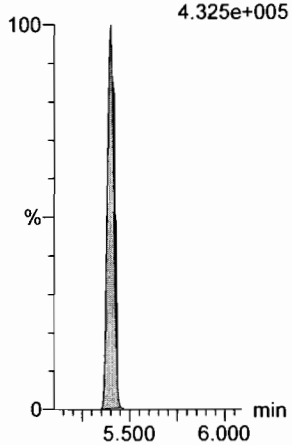
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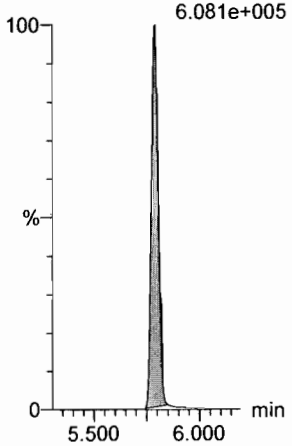
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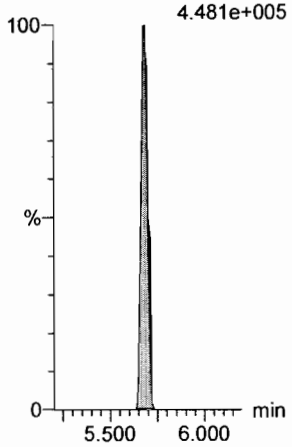
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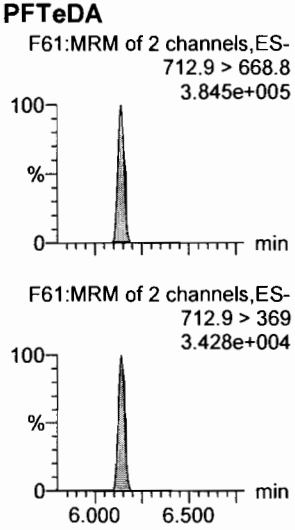


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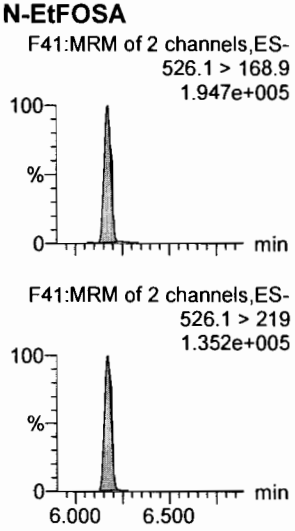
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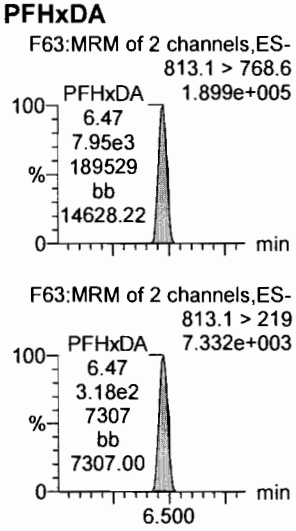
PFTeDA



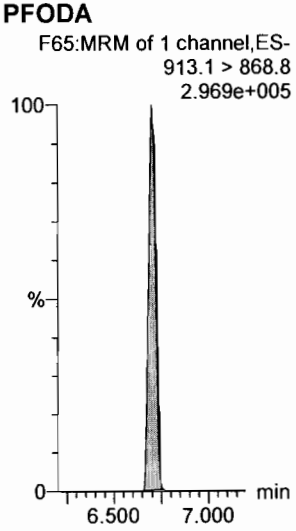
N-EtFOSA



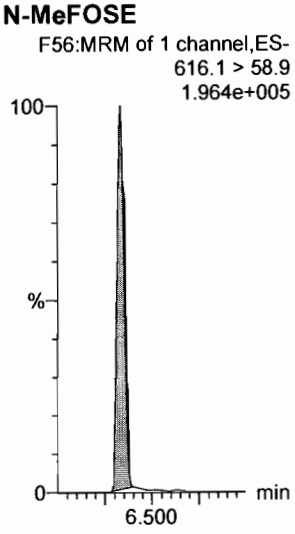
PFHxDA



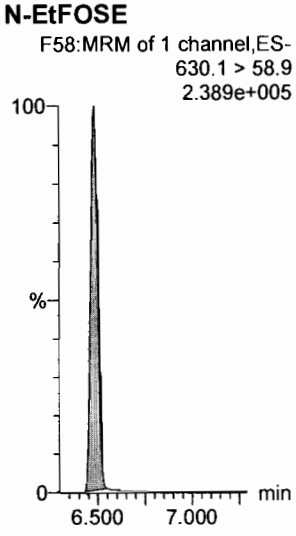
PFODA



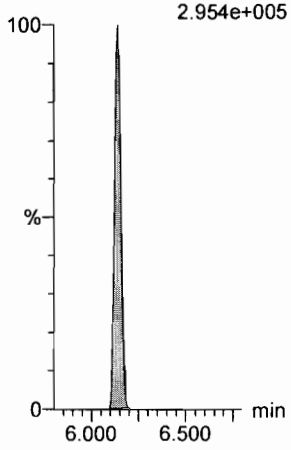
N-MeFOSE



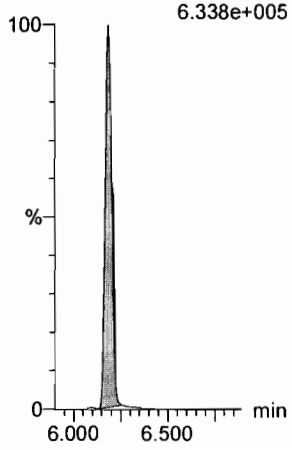
N-EtFOSE



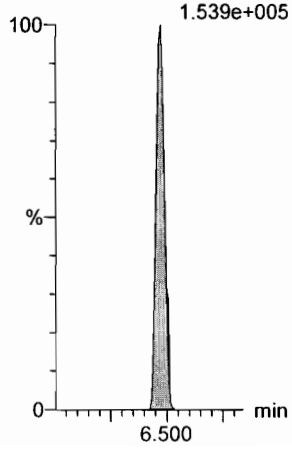
13C2-PFTeDA



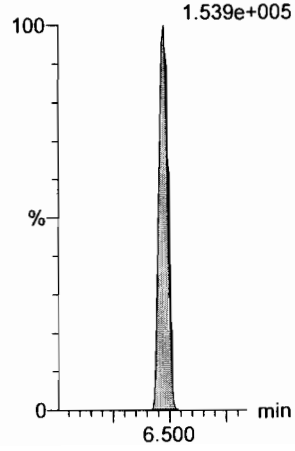
d5-N-ETFOSA



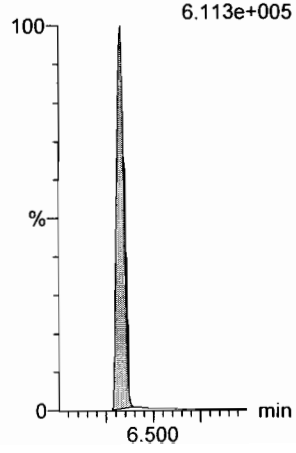
13C2-PFHxDA



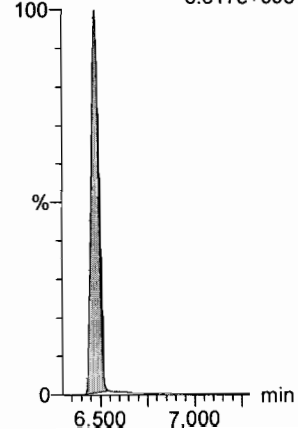
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

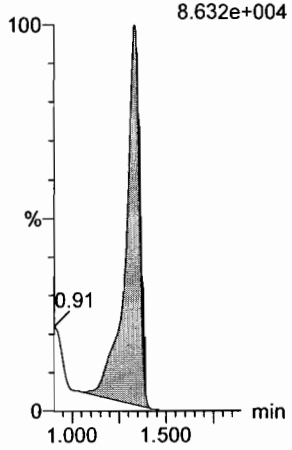


Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-48.qld

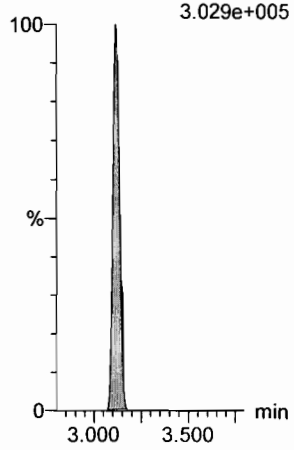
Last Altered: Sunday, July 15, 2018 09:35:27 Pacific Daylight Time
Printed: Sunday, July 15, 2018 09:35:55 Pacific Daylight Time

Name: 180713M2_48, Date: 14-Jul-2018, Time: 00:34:05, ID: ST180713M2-12 PFC CS3 18G0509, Description: PFC CS3 18G0509

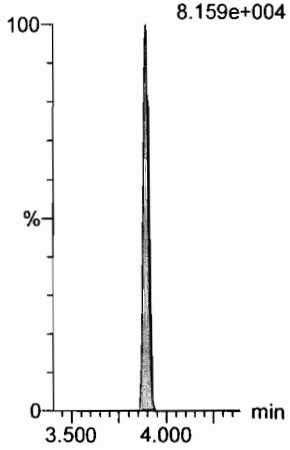
13C4-PFBA



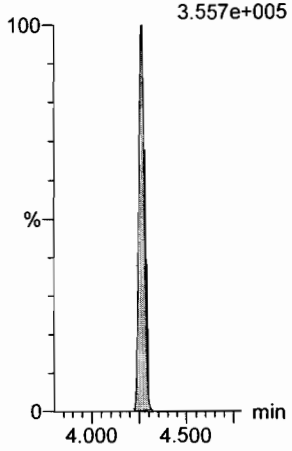
13C5-PFHxA



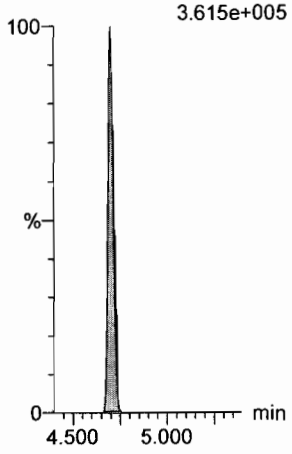
13C3-PFHxS



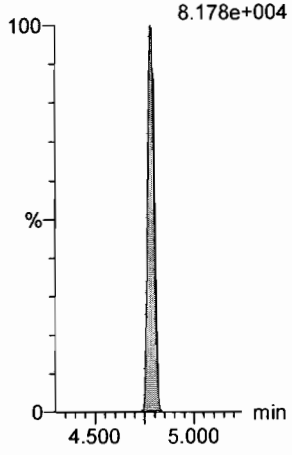
13C8-PFOA



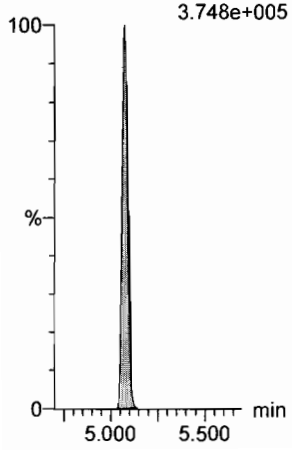
13C9-PFNA



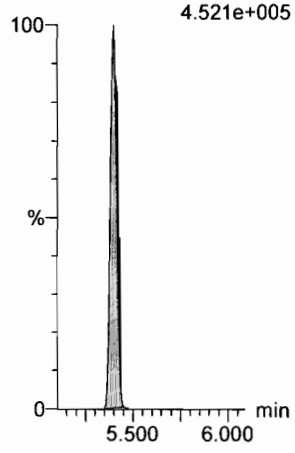
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-71.qld

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JGM 7/15/18

AR 7/15/18

Name: 180713M2_71, Date: 14-Jul-2018, Time: 04:34:34, ID: ST180713M2-13 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	6212.522	6924.995	1.00	1.33	11.214	9.7	96.9	NO		
2	2	PFPeA	263.1 > 218.9	9264.324	11213.724	1.00	2.32	10.327	9.9	98.8	NO		
3	3	PFBS	299.0 > 79.7	2137.908	1250.832	1.00	2.62	21.365	10.8	107.7	NO	2.514	NO
4	4	4:2 FTS	327.2>307.2	2018.849	2314.511	1.00	3.03	10.903	11.4	114.4	NO	1.696	NO
5	5	PFHxA	313.2 > 268.9	10691.428	3252.863	1.00	3.12	16.434	9.8	98.1	NO	212.947	NO
6	6	PFPeS	349.1>80.1	1929.882	1250.832	1.00	3.32	19.286	10.5	105.4	NO	1.600	NO
7	36	13C3-PFBA	216.1 > 171.8	6924.995	7583.639	1.00	1.33	11.414	12.5	99.7	NO		
8	37	13C3-PFPeA	266. > 221.8	11213.724	11214.637	1.00	2.32	12.499	12.6	101.1	NO		
9	38	13C3-PFBS	302. > 98.8	1250.832	11214.637	1.00	2.62	1.394	11.6	93.0	NO		
10	39	13C2-4:2 FTS	329.2>308.9	2314.511	11214.637	1.00	3.03	2.580	10.7	85.3	NO		
11	40	13C2-PFHxA	315 > 269.8	3252.863	11214.637	1.00	3.11	3.626	4.9	97.2	NO		
12	38	13C3-PFBS	302. > 98.8	1250.832	11214.637	1.00	2.62	1.394	11.6	93.0	NO		
13	-1												
14	10	6:2 FTS	427.1 > 407	2024.569	2479.458	1.00	4.20	10.207	9.8	98.3	NO	2.664	NO
15	7	PFHpA	363.0 > 318.9	8102.238	8996.338	1.00	3.73	11.258	9.8	98.3	NO	17.646	NO
16	8	L-PFHxS	398.9 > 79.6	1606.816	1086.798	1.00	3.88	18.481	9.8	98.1	NO	1.643	NO
17	11	L-PFOA	413 > 368.7	8412.740	11029.375	1.00	4.26	9.534	9.2	92.0	NO	3.175	NO
18	13	PFHpS	449 > 80.0	2224.318	3097.464	1.00	4.37	8.976	11.2	112.1	NO	1.990	NO
19	14	PFNA	463.0 > 418.8	11157.699	12073.446	1.00	4.69	11.552	10.0	99.9	NO	4.225	NO
20	43	13C2-6:2 FTS	429.1 > 408.9	2479.458	11484.668	1.00	4.20	2.699	12.7	101.6	NO		
21	41	13C4-PFHpA	367.2 > 321.8	8996.338	11214.637	1.00	3.73	10.027	12.4	98.9	NO		
22	42	18O2-PFHxS	403.0 > 102.6	1086.798	2723.161	1.00	3.88	4.989	12.2	97.6	NO		
23	44	13C2-PFOA	414.9 > 369.7	11029.375	11484.668	1.00	4.26	12.004	12.7	101.5	NO		
24	47	13C8-PFOS	507.0 > 79.9	3097.464	3125.827	1.00	4.78	12.387	11.2	89.3	NO		
25	45	13C5-PFNA	468.2 > 422.9	12073.446	12487.568	1.00	4.69	12.085	12.3	98.7	NO		
26	-1												
27	15	PFOSA	498.2 > 77.9	3895.328	5913.688	1.00	4.75	8.234	8.6	85.6	NO	26.106	NO
28	16	L-PFOS	499.1 > 79.9	2356.980	3097.464	1.00	4.78	9.512	11.1	111.4	NO	1.973	NO
29	18	PFDA	513 > 468.8	12107.160	12443.495	1.00	5.07	12.162	9.4	94.5	NO	5.063	NO
30	19	8:2 FTS	527 > 506.9	2434.342	1918.680	1.00	5.04	15.859	10.6	106.0	NO	2.354	NO
31	20	PFNS	549.1>80.1	2267.210	3097.464	1.00	5.13	9.149	11.2	111.8	NO	1.649	NO
32	21	L-MeFOSAA	570.1 > 419	4688.087	4355.112	1.00	5.22	13.456	12.6	126.0	NO	16.863	NO
33	46	13C8-PFOSA	506.1 > 77.7	5913.688	17960.621	1.00	4.75	4.116	13.6	108.7	NO		
34	47	13C8-PFOS	507.0 > 79.9	3097.464	3125.827	1.00	4.78	12.387	11.2	89.3	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-71.qld

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Name: 180713M2_71, Date: 14-Jul-2018, Time: 04:34:34, ID: ST180713M2-13 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48	13C2-PFDA	515.1 > 469.9	12443.495	12761.282	1.00	5.07	12.189	12.1	96.8	NO		
36	49	13C2-8:2 FTS	529.1 > 508.7	1918.680	11214.637	1.00	5.04	2.139	11.0	87.7	NO		
37	47	13C8-PFOS	507.0 > 79.9	3097.464	3125.827	1.00	4.78	12.387	11.2	89.3	NO		
38	50	d3-N-MeFOSAA	573.3 > 419	4355.112	17960.621	1.00	5.22	3.031	11.7	93.8	NO		
39	-1												
40	23	L-EtFOSAA	584.2 > 419	3837.038	5240.301	1.00	5.38	9.153	10.1	100.7	NO	11.598	NO
41	27	PFDoA	612.9 > 569.0	15753.021	16870.555	1.00	5.67	11.672	8.4	84.5	NO	7.888	NO
42	26	PFDS	598.8 > 80	2491.981	16858.434	1.00	5.44	1.848	9.5	94.7	NO	2.638	NO
43	25	PFUdA	563.0 > 518.9	13485.955	16858.434	1.00	5.39	9.999	9.3	93.4	NO	10.761	NO
44	28	N-MeFOSA	512.1 > 168.9	7825.818	22985.287	1.00	5.76	51.071	52.6	105.2	NO	1.362	NO
45	29	PFTrDA	662.9 > 618.9	16866.820	16870.555	1.00	5.92	12.497	9.7	96.6	NO	21.517	NO
46	51	d5-N-EtFOSAA	589.3 > 419	5240.301	17960.621	1.00	5.37	3.647	13.0	104.3	NO		
47	53	13C2-PFDoA	615.0 > 569.7	16870.555	12761.282	1.00	5.67	16.525	13.1	104.7	NO		
48	52	13C2-PFUdA	565 > 519.8	16858.434	17960.621	1.00	5.39	11.733	13.0	103.7	NO		
49	52	13C2-PFUdA	565 > 519.8	16858.434	17960.621	1.00	5.39	11.733	13.0	103.7	NO		
50	54	d3-N-MeFOSA	515.2 > 168.9	22985.287	17960.621	1.00	5.78	15.997	153.9	102.6	NO		
51	53	13C2-PFDoA	615.0 > 569.7	16870.555	12761.282	1.00	5.67	16.525	13.1	104.7	NO		
52	-1												
53	30	PFTeDA	712.9 > 668.8	14742.521	9683.273	1.00	6.13	19.031	10.9	109.0	NO	10.369	NO
54	31	N-EtFOSA	526.1 > 168.9	8250.074	26091.578	1.00	6.17	47.430	54.0	107.9	NO	1.434	NO
55	32	PFHxDA	813.1 > 768.6	6803.960	6272.634	1.00	6.47	5.424	8.8	87.6	NO	20.670	NO
56	33	PFODA	913.1 > 868.8	12215.325	6272.634	1.00	6.69	9.737	10.6	105.8	NO		
57	34	N-MeFOSE	616.1 > 58.9	9276.630	25881.688	1.00	6.33	53.764	55.5	111.0	NO		
58	35	N-EtFOSE	630.1 > 58.9	10010.085	27394.871	1.00	6.48	54.810	47.8	95.7	NO		
59	55	13C2-PFTeDA	714.8 > 669.6	9683.273	17960.621	1.00	6.13	6.739	11.7	93.9	NO		
60	56	d5-N-ETFOSA	531.1 > 168.9	26091.578	17960.621	1.00	6.18	18.159	157.8	105.2	NO		
61	57	13C2-PFHxDA	815 > 769.7	6272.634	17960.621	1.00	6.47	4.366	5.0	99.3	NO		
62	57	13C2-PFHxDA	815 > 769.7	6272.634	17960.621	1.00	6.47	4.366	5.0	99.3	NO		
63	58	d7-N-MeFOSE	623.1 > 58.9	25881.688	17960.621	1.00	6.32	18.013	151.5	101.0	NO		
64	59	d9-N-EtFOSE	639.2 > 58.8	27394.871	17960.621	1.00	6.46	19.066	164.5	109.7	NO		
65	-1												
66	60	13C4-PFBA	217. > 171.8	7583.639	7583.639	1.00	1.33	12.500	12.5	100.0	NO		
67	61	13C5-PFHxA	318 > 272.9	11214.637	11214.637	1.00	3.11	12.500	12.5	100.0	NO		
68	62	13C3-PFHxS	401.9 > 79.9	2723.161	2723.161	1.00	3.88	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-71.qld

Last Altered: Sunday, July 15, 2018 09:39:48 Pacific Daylight Time
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Name: 180713M2_71, Date: 14-Jul-2018, Time: 04:34:34, ID: ST180713M2-13 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63	13C8-PFOA	421.3 > 376	11484.668	11484.668	1.00	4.26	12.500	12.5	100.0	NO		
70	64	13C9-PFNA	472.2 > 426.9	12487.568	12487.568	1.00	4.69	12.500	12.5	100.0	NO		
71	65	13C4-PFOS	503 > 79.9	3125.827	3125.827	1.00	4.78	12.500	12.5	100.0	NO		
72	66	13C6-PFDA	519.1 > 473.7	12761.282	12761.282	1.00	5.07	12.500	12.5	100.0	NO		
73	67	13C7-PFUdA	570.1 > 524.8	17960.621	17960.621	1.00	5.39	12.500	12.5	100.0	NO		

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Dataset: Untitled

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
1	1	180713M2_1	IPA	13-Jul-18	16:22:10
2	2	180713M2_2	ST180713M2-1 PFC CS-2 18G0504	13-Jul-18	16:32:35
3	3	180713M2_3	ST180713M2-2 PFC CS-1 18G0505	13-Jul-18	16:43:04
4	4	180713M2_4	ST180713M2-3 PFC CS0 18G0506	13-Jul-18	16:53:30
5	5	180713M2_5	ST180713M2-4 PFC CS1 18G0507	13-Jul-18	17:04:00
6	6	180713M2_6	ST180713M2-5 PFC CS2 18G0508	13-Jul-18	17:14:24
7	7	180713M2_7	ST180713M2-6 PFC CS3 18G0509	13-Jul-18	17:24:55
8	8	180713M2_8	ST180713M2-7 PFC CS4 18G0510	13-Jul-18	17:35:19
9	9	180713M2_9	ST180713M2-8 PFC CS5 18G0511	13-Jul-18	17:45:50
10	10	180713M2_10	ST180713M2-9 PFC CS6 18G0512	13-Jul-18	17:56:15
11	11	180713M2_11	ST180713M2-10 PFC CS7 18G0513	13-Jul-18	18:06:45
12	12	180713M2_12	IPA	13-Jul-18	18:17:33
13	13	180713M2_13	ICV180713M2-1 PFC 537 ICV 18G0514	13-Jul-18	18:27:59
14	14	180713M2_14	B8F0196-BS1 OPR 1	13-Jul-18	18:38:29
15	15	180713M2_15	B8F0196-MS1 Matrix Spike 1.01	13-Jul-18	18:48:59
16	16	180713M2_16	B8F0196-MSD1 Matrix Spike Dup 1.01	13-Jul-18	18:59:24
17	17	180713M2_17	B8F0196-BLK1 Method Blank 1	13-Jul-18	19:09:54
18	18	180713M2_18	1801388-03 MCLPCH292 1.04	13-Jul-18	19:20:16
19	19	180713M2_19	1801388-04 MCLPCH298 1.01	13-Jul-18	19:30:46
20	20	180713M2_20	1801388-06 MCLPCH305 1.13	13-Jul-18	19:41:17
21	21	180713M2_21	1801388-07 MCLPCH306 1.35	13-Jul-18	19:51:47
22	22	180713M2_22	1801388-09 MCLPCH308 1.22	13-Jul-18	20:02:12
23	23	180713M2_23	1801388-10 MCLPCH309 1.32	13-Jul-18	20:12:43
24	24	180713M2_24	1801388-11 MCLPCH314 1.25	13-Jul-18	20:23:07
25	25	180713M2_25	1801388-12 MCLPCH315 1.36	13-Jul-18	20:33:37
26	26	180713M2_26	1801388-13 MCLPCH324 1.07	13-Jul-18	20:44:02
27	27	180713M2_27	1801388-14 MCLPCH323 1.43	13-Jul-18	20:54:32
28	28	180713M2_28	IPA	13-Jul-18	21:04:57
29	29	180713M2_29	ST180713M2-11 PFC CS3 18G0509	13-Jul-18	21:15:27
30	30	180713M2_30	1801388-15 MCLPCH320 1.1	13-Jul-18	21:25:52
31	31	180713M2_31	1801388-16 MCLPCH321 1.05	13-Jul-18	21:36:23
32	32	180713M2_32	1801388-17 MCLPCH392 1.05	13-Jul-18	21:46:47

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Compound name: PFBA

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33	33	180713M2_33	1801388-18 MCLPCH293 1.13	13-Jul-18	21:57:18
34	34	180713M2_34	1801388-19 MCLPCH294 1.2	13-Jul-18	22:07:42
35	35	180713M2_35	B8G0003-BS1 OPR 0.125	13-Jul-18	22:18:13
36	36	180713M2_36	B8G0003-MS1 Matrix Spike 0.11902	13-Jul-18	22:28:37
37	37	180713M2_37	B8G0003-MSD1 Matrix Spike Dup 0.117...	13-Jul-18	22:39:08
38	38	180713M2_38	B8G0003-BLK1 Method Blank 0.125	13-Jul-18	22:49:32
39	39	180713M2_39	1801167-01RE1 REEPDW1118FRB 0.1...	13-Jul-18	23:00:03
40	40	180713M2_40	1801167-02RE1 REEPDW1113FRB 0.1...	13-Jul-18	23:10:25
41	41	180713M2_41	1801167-05RE1 REEPDW1117FRB 0.1...	13-Jul-18	23:20:55
42	42	180713M2_42	1801490-01 REEPDW1180 0.11671	13-Jul-18	23:31:20
43	43	180713M2_43	1801490-02 REEPDW567 0.11621	13-Jul-18	23:41:50
44	44	180713M2_44	1801490-03 REEPDW1181 0.11605	13-Jul-18	23:52:15
45	45	180713M2_45	1801490-04 REEPDW1182 0.11959	14-Jul-18	00:02:45
46	46	180713M2_46	1801490-05 REEPDW1183 0.11851	14-Jul-18	00:13:10
47	47	180713M2_47	IPA	14-Jul-18	00:23:41
48	48	180713M2_48	ST180713M2-12 PFC CS3 18G0509	14-Jul-18	00:34:05
49	49	180713M2_49	1801490-06 REEPDW1184 0.11562	14-Jul-18	00:44:36
50	50	180713M2_50	1801490-07 REEPDW1185 0.11546	14-Jul-18	00:55:00
51	51	180713M2_51	1801491-01 REEPDW1180FRB 0.11925	14-Jul-18	01:05:31
52	52	180713M2_52	1801491-02 REEPDW1181FRB 0.11884	14-Jul-18	01:15:56
53	53	180713M2_53	1801491-03 REEPDW1182FRB 0.11814	14-Jul-18	01:26:27
54	54	180713M2_54	1801491-04 REEPDW1183FRB 0.11809	14-Jul-18	01:36:52
55	55	180713M2_55	1801491-05 REEPDW1184FRB 0.11912	14-Jul-18	01:47:14
56	56	180713M2_56	1801491-06 REEPDW1185FRB 0.11729	14-Jul-18	01:57:44
57	57	180713M2_57	B8G0006-BS1 OPR 0.25	14-Jul-18	02:08:09
58	58	180713M2_58	B8G0006-MS1 Matrix Spike 0.24814	14-Jul-18	02:18:39
59	59	180713M2_59	B8G0006-MSD1 Matrix Spike Dup 0.247...	14-Jul-18	02:29:04
60	60	180713M2_60	B8G0006-BLK1 Method Blank 0.25	14-Jul-18	02:39:35
61	61	180713M2_61	1801486-01 FT-SW10-20180626 0.24705	14-Jul-18	02:49:59
62	62	180713M2_62	1801486-02 FT-SW12-20180626 0.24374	14-Jul-18	03:00:30
63	63	180713M2_63	1801486-03 FT-SW13-20180626 0.25801	14-Jul-18	03:10:54
64	64	180713M2_64	1801486-04 SW-DP01-20180626 0.243...	14-Jul-18	03:21:24
65	65	180713M2_65	1801486-05 SW-DP02-20180626 0.239...	14-Jul-18	03:31:49
66	66	180713M2_66	1801486-06 SA-SW201-20180626 0.25...	14-Jul-18	03:42:19
67	67	180713M2_67	1801486-07 SA-SW201-FRB-20180626...	14-Jul-18	03:52:44
68	68	180713M2_68	1801486-08 SA-SW204-20180626 0.24...	14-Jul-18	04:03:15

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70	70	180713M2_70	IPA	14-Jul-18	04:24:09
71	71	180713M2_71	ST180713M2-13 PFC CS3 18G0509	14-Jul-18	04:34:34
72	72	180713M2_72	ST180713M2-14 PFC CS0 18G0506	14-Jul-18	04:45:05
73	73	180713M2_73	1801486-10 SA-DUP01-20180626 0.246	14-Jul-18	04:55:30
74	74	180713M2_74	1801486-11 CA-AQIDW01-20180626 0....	14-Jul-18	05:06:00
75	75	180713M2_75	1801501-09 MCLPCH428 0.11948	14-Jul-18	05:16:26
76	76	180713M2_76	1801502-06 MCLPCB410 0.11585	14-Jul-18	05:26:56
77	77	180713M2_77	1801502-13 MCLPCD419 0.1208	14-Jul-18	05:37:21
78	78	180713M2_78	1801385-01@5X B-5-GW 0.2557	14-Jul-18	05:47:51
79	79	180713M2_79	1801385-02@5X B-5-GW DUP 0.25193	14-Jul-18	05:58:16
80	80	180713M2_80	1801385-03 B-6-GW 0.25052	14-Jul-18	06:08:46
81	81	180713M2_81	B8G0042-BS1 OPR 1	14-Jul-18	06:19:11
82	82	180713M2_82	B8G0042-BLK1 Method Blank 1	14-Jul-18	06:29:41
83	83	180713M2_83	1801266-04RE1 TP-1 1.12	14-Jul-18	06:40:06
84	84	180713M2_84	1801266-06RE1 TP-3 1.11	14-Jul-18	06:50:36
85	85	180713M2_85	IPA	14-Jul-18	07:01:06
86	86	180713M2_86	ST180713M2-15 PFC CS3 18G0509	14-Jul-18	07:11:31
87	87	180713M2_87	1801278-01RE1 HS-SB-224- (8-10) 1.12	14-Jul-18	07:22:02
88	88	180713M2_88	1801278-02RE1 HS-SB-129- (7-8) 1.1	14-Jul-18	07:32:26
89	89	180713M2_89	1801351-01RE1 HS-SB-118- (7-8)- EPA...	14-Jul-18	07:42:56
90	90	180713M2_90	1801366-10RE1 PGW-1 (2-4) 1.13	14-Jul-18	07:53:22
91	91	180713M2_91	1801366-11RE1 PGW-2 (1-1.5) 1.04	14-Jul-18	08:03:52
92	92	180713M2_92	1801366-12RE1 PGW-3 (1-2) 1.05	14-Jul-18	08:14:17
93	93	180713M2_93	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	14-Jul-18	08:24:48
94	94	180713M2_94	B8G0001-BS1 OPR 0.125	14-Jul-18	08:35:13
95	95	180713M2_95	B8G0001-BLK1 Method Blank 0.125	14-Jul-18	08:45:43
96	96	180713M2_96	1801494-01 Field Blank 0.11836	14-Jul-18	08:56:08
97	97	180713M2_97	1801494-02 Equip Blank 0.11849	14-Jul-18	09:06:38
98	98	180713M2_98	1801494-03 DW 0.11381	14-Jul-18	09:17:02
99	99	180713M2_99	1801494-04 MW-4 0.11665	14-Jul-18	09:29:42
100	1...	180713M2_100	1801494-05 MW-2 0.11525	14-Jul-18	09:40:07
101	1...	180713M2_101	IPA	14-Jul-18	09:50:37
102	1...	180713M2_102	ST180713M2-16 PFC CS3 18G0509	14-Jul-18	10:01:02
103	1...	180713M2_103	1801494-06 MW-1 0.11893	14-Jul-18	10:11:32
104	1...	180713M2_104	1801495-01 MW-5 0.11744	14-Jul-18	10:21:58

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Compound name: PFBA

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106	1...	180713M2_106	1801495-03 MW-2 0.11609	14-Jul-18	10:42:53
107	1...	180713M2_107	1801495-04 MW-3R 0.11651	14-Jul-18	10:53:24
108	1...	180713M2_108	1801497-01 Raw Water 0.11411	14-Jul-18	11:03:46
109	1...	180713M2_109	1801497-02 Finished Water 0.11702	14-Jul-18	11:14:17
110	1...	180713M2_110	1801498-01 BAR SINK /001 0.11897	14-Jul-18	11:24:41
111	1...	180713M2_111	IPA	14-Jul-18	11:35:11
112	1...	180713M2_112	ST180713M2-17 PFC CS3 18G0509	14-Jul-18	11:45:36
113	1...	180713M2_113	QC_180711_DT10	14-Jul-18	11:56:07
114	1...	180713M2_114	QC_180711_DT11	14-Jul-18	12:06:31
115	1...	180713M2_115	QC_180711_DT12	14-Jul-18	12:17:01
116	1...	180713M2_116	QC_180711_DT13	14-Jul-18	12:27:32
117	1...	180713M2_117	QC_180711_DT14	14-Jul-18	12:37:56
118	1...	180713M2_118	QC_180711_DT15	14-Jul-18	12:48:26
119	1...	180713M2_119	QC_180711_QC200	14-Jul-18	12:58:50
120	1...	180713M2_120	QC_180711_QC225	14-Jul-18	13:09:20
121	1...	180713M2_121	QC_180711_QC250	14-Jul-18	13:19:45

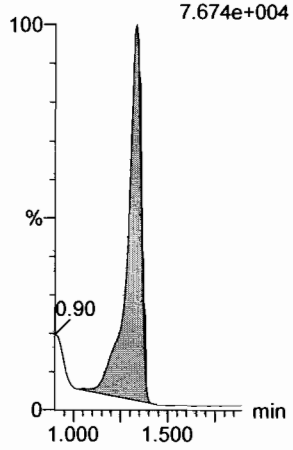
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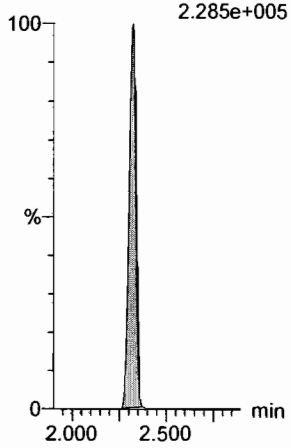
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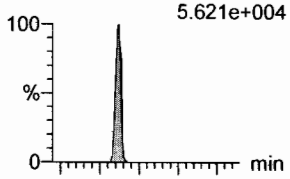
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
7.674e+004



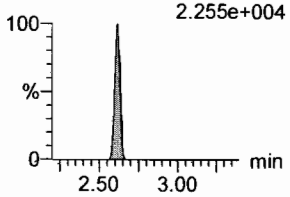
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F5:MRM of 1 channel,ES-
263.1 > 218.9
2.285e+005



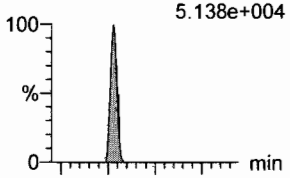
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
5.621e+004



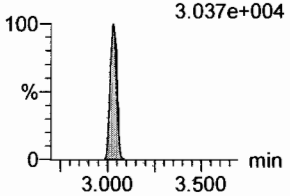
F7:MRM of 2 channels,ES-
299.0 > 99.0
2.255e+004



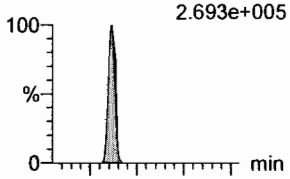
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
5.138e+004



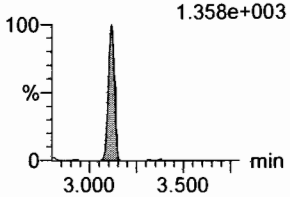
F12:MRM of 2 channels,ES-
327.2 > 81.1
3.037e+004



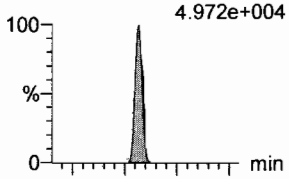
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
2.693e+005



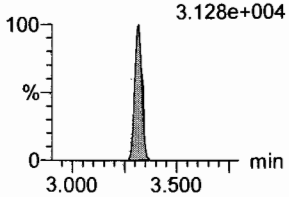
F9:MRM of 2 channels,ES-
313.2 > 119
1.358e+003



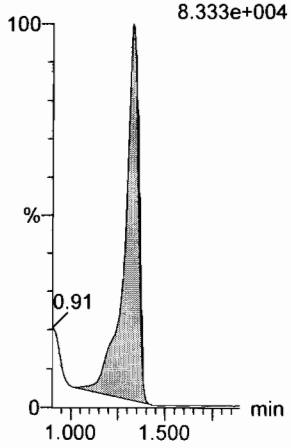
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
4.972e+004



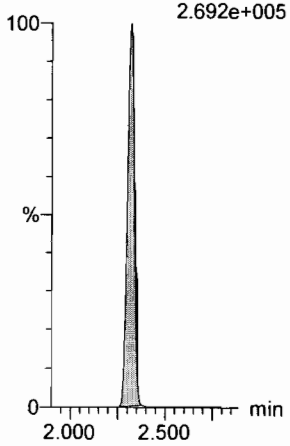
F15:MRM of 2 channels,ES-
349.1 > 99
3.128e+004



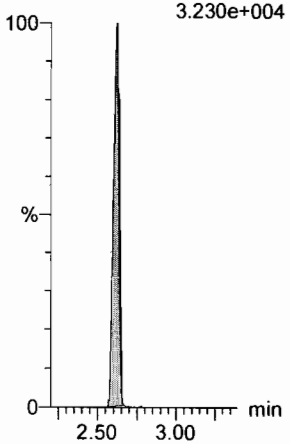
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
8.333e+004



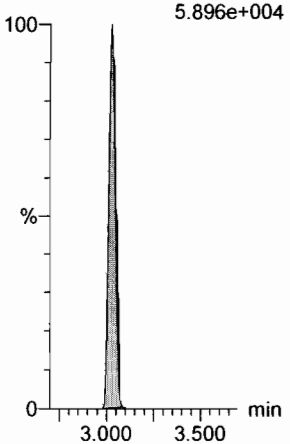
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
2.692e+005



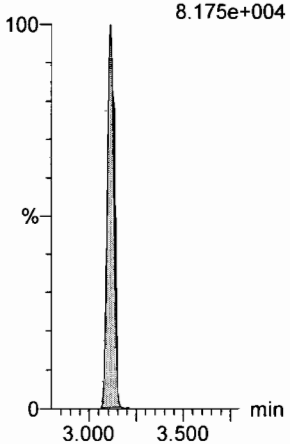
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.230e+004



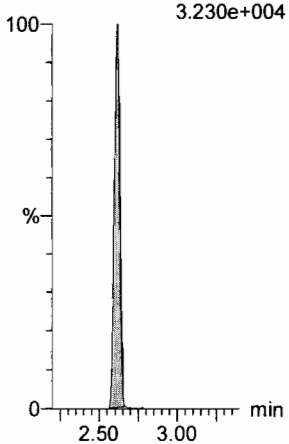
13C2-4:2 FTS
F13:MRM of 1 channel,ES-
329.2 > 308.9
5.896e+004



13C2-PFHxA
F10:MRM of 1 channel,ES-
315 > 269.8
8.175e+004



13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.230e+004

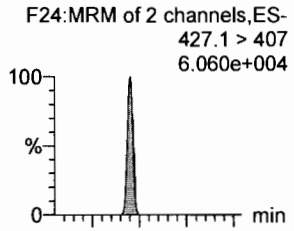


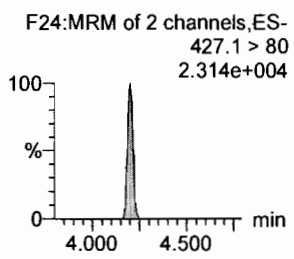
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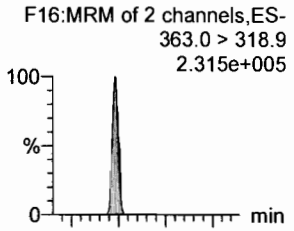
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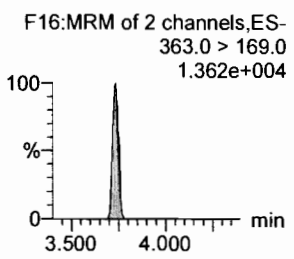
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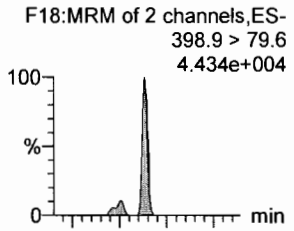


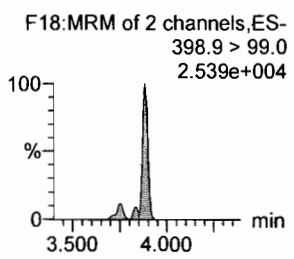
PFHpA



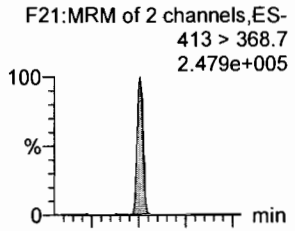


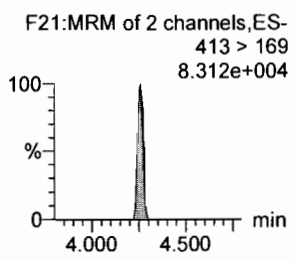
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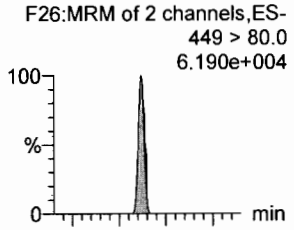


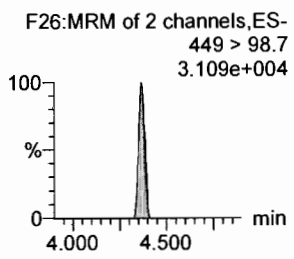
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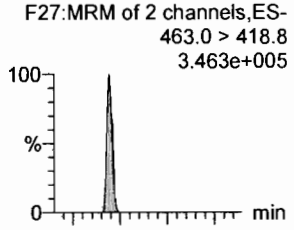


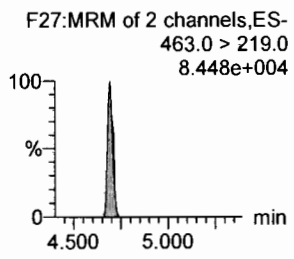
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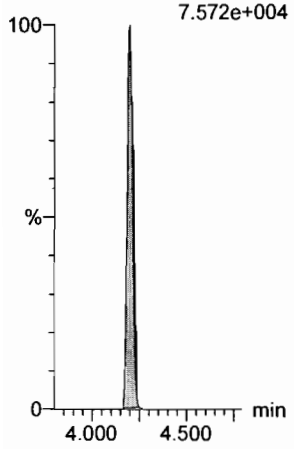


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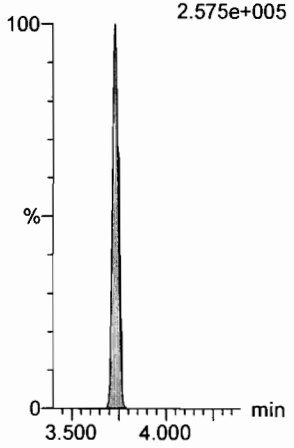




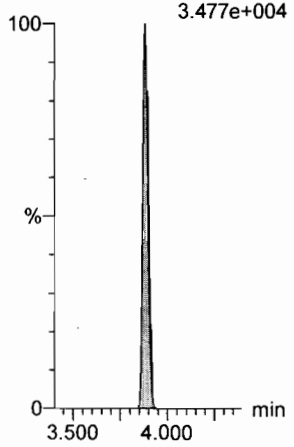
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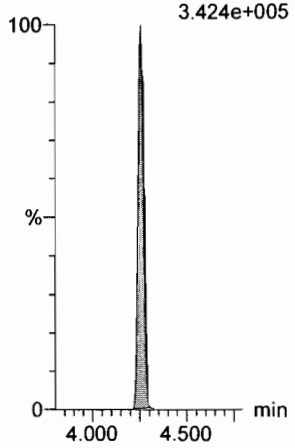
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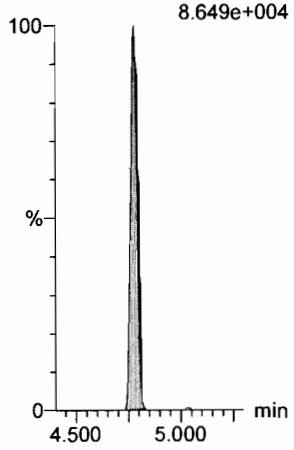
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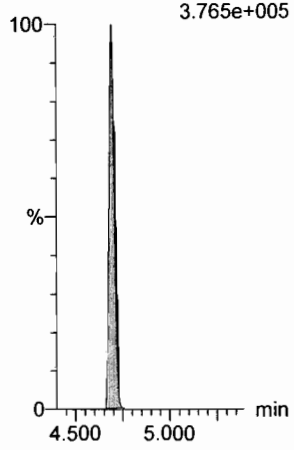
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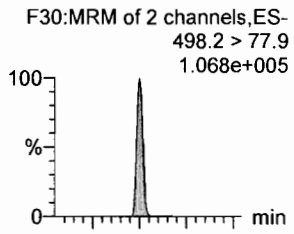


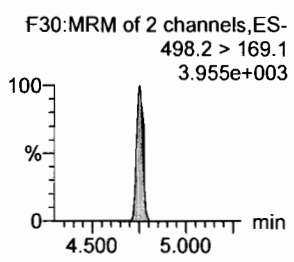
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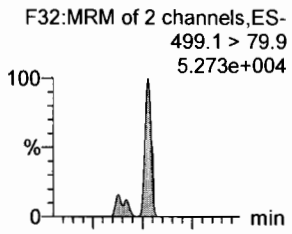
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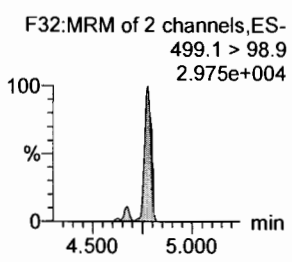
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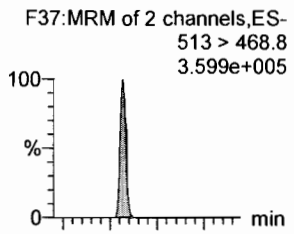


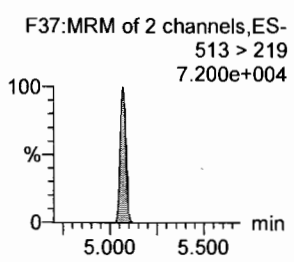
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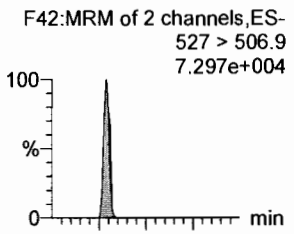


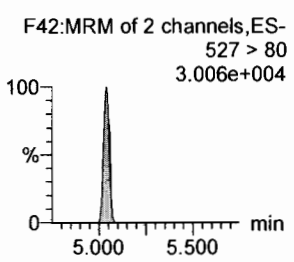
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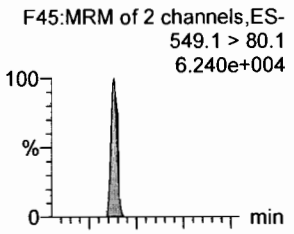


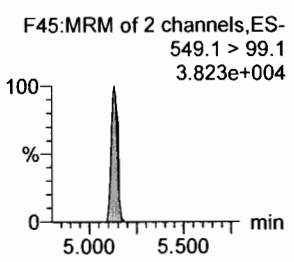
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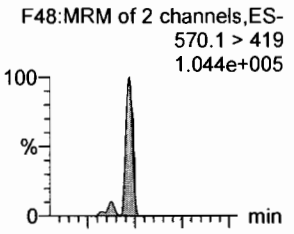


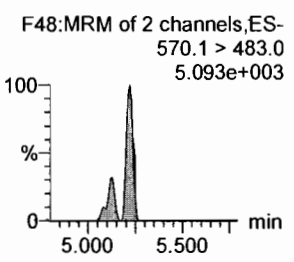
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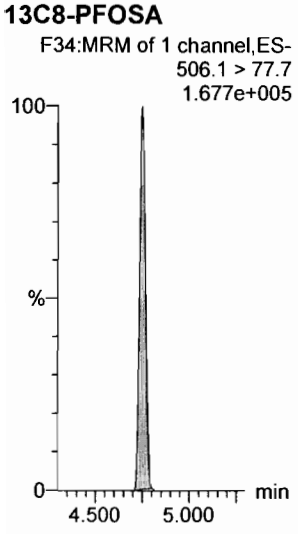


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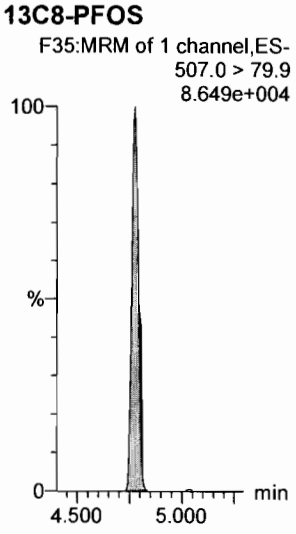




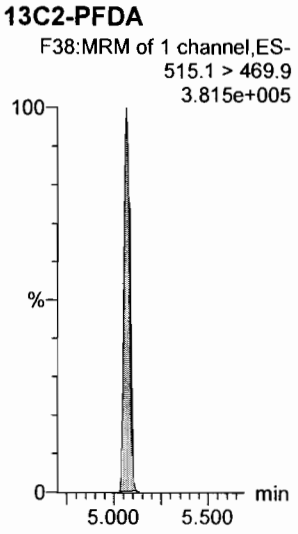
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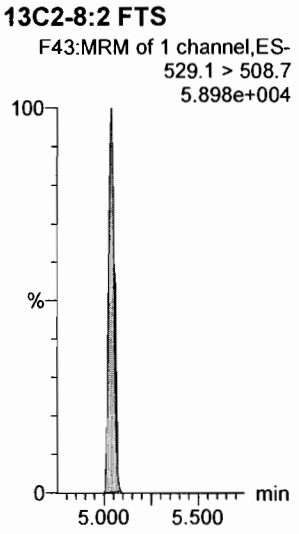
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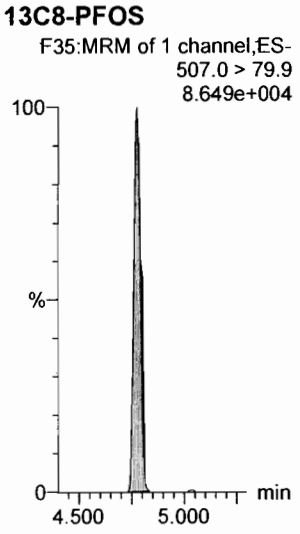
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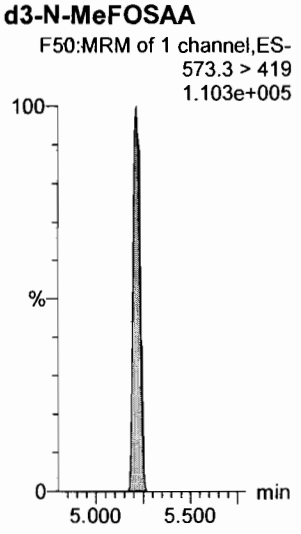
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13C8-PFOS



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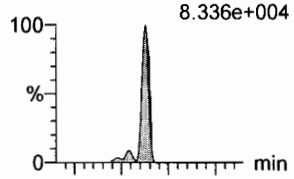


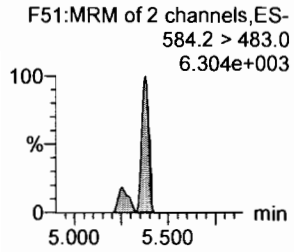
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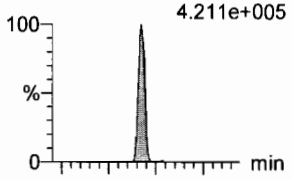
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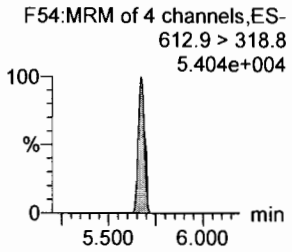
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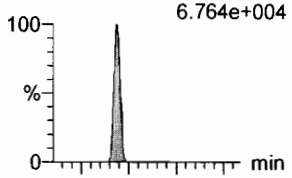


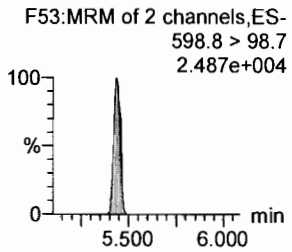
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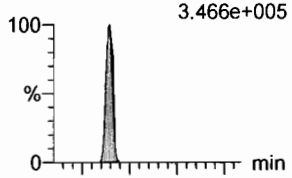


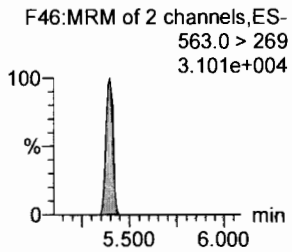
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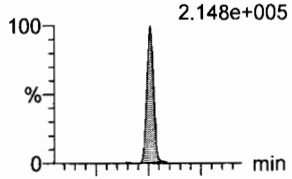


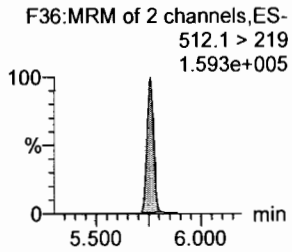
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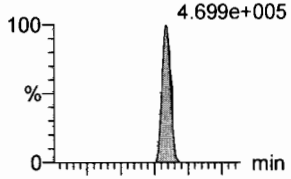


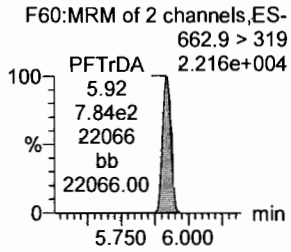
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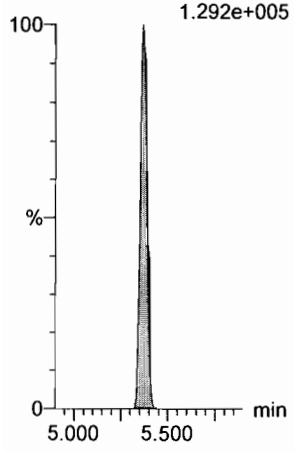


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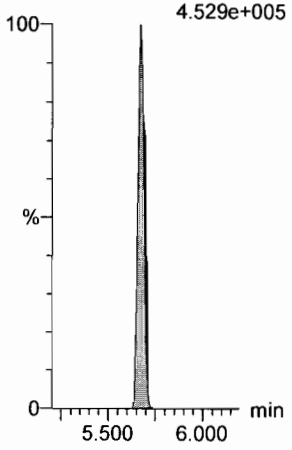




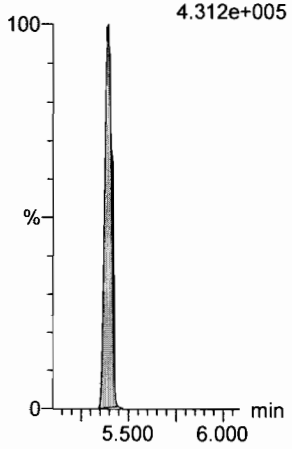
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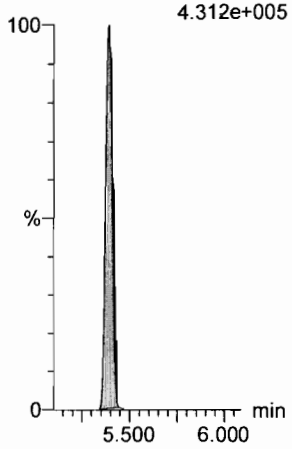
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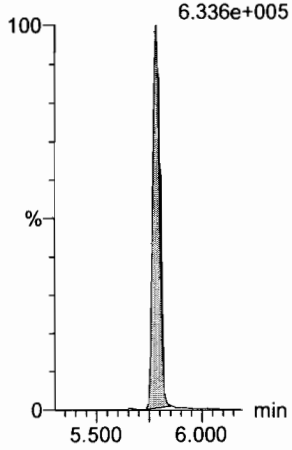
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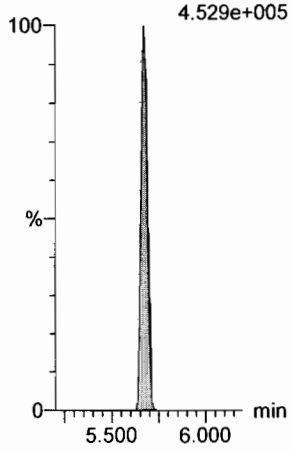
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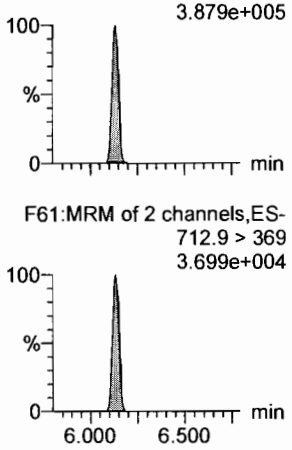


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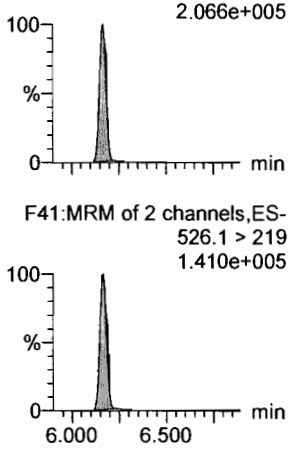
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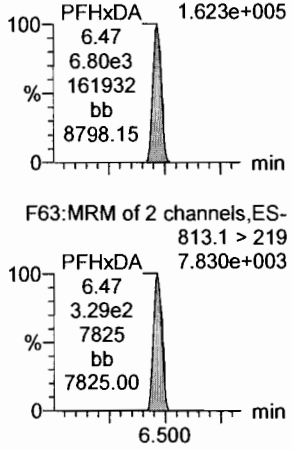
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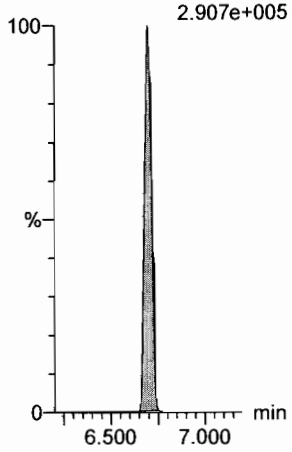
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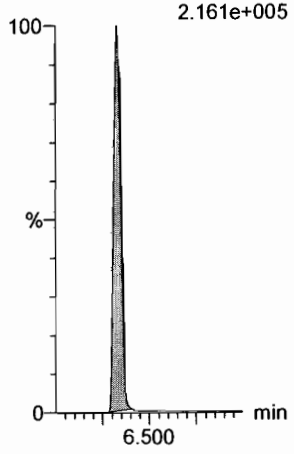
PFHxDA



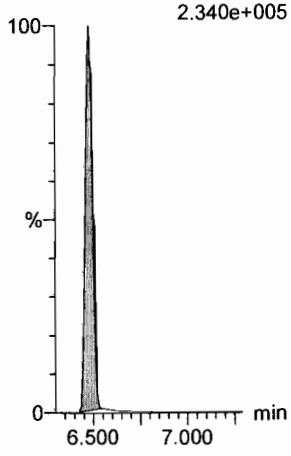
PFODA



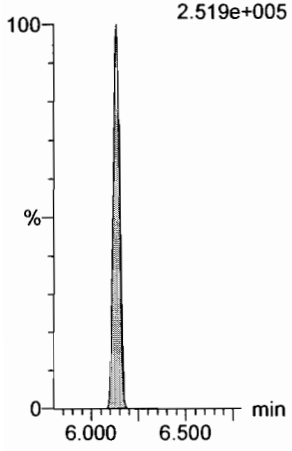
N-MeFOSE



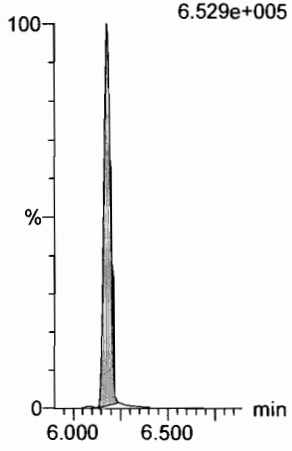
N-EtFOSE



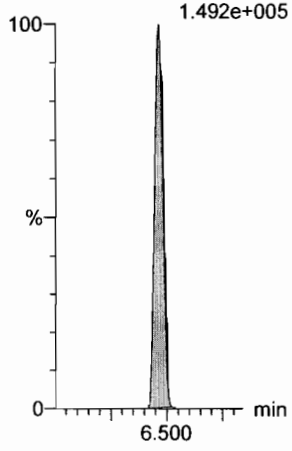
13C2-PFTeDA



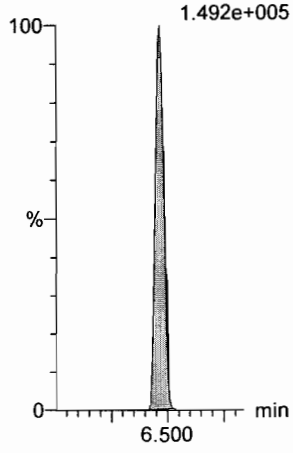
d5-N-ETFOSA



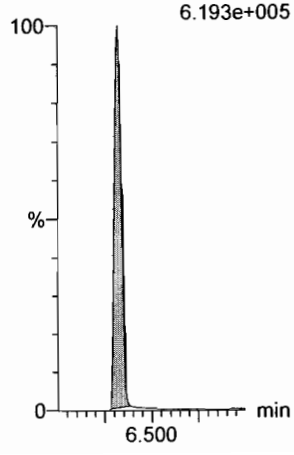
13C2-PFHxDA



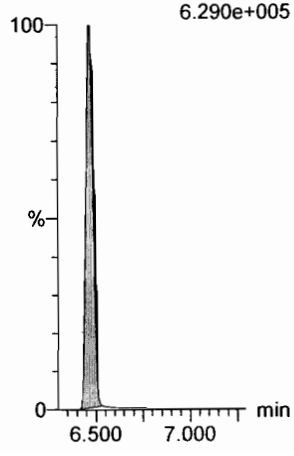
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

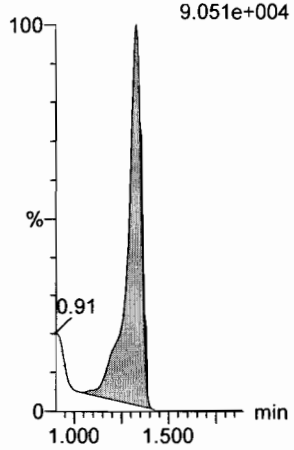


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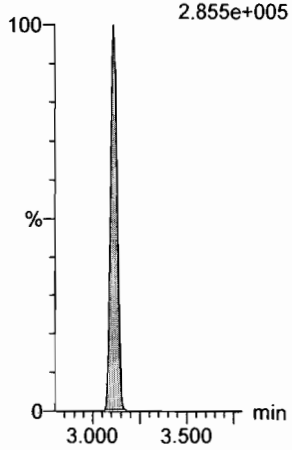
Last Altered: Sunday, July 15, 2018 09:39:48 Pacific Daylight Time
Printed: Sunday, July 15, 2018 09:40:17 Pacific Daylight Time

Name: 180713M2_71, Date: 14-Jul-2018, Time: 04:34:34, ID: ST180713M2-13 PFC CS3 18G0509, Description: PFC CS3 18G0509

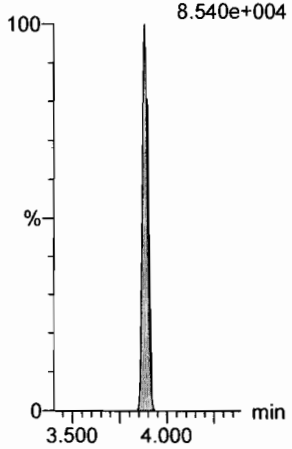
13C4-PFBA



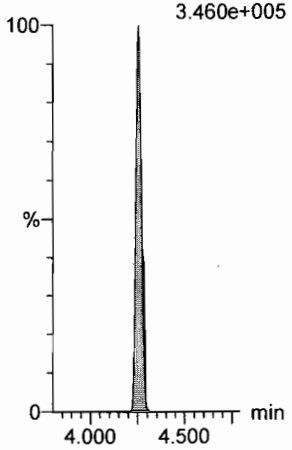
13C5-PFHxA



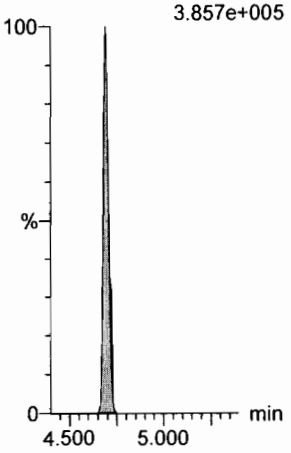
13C3-PFHxS



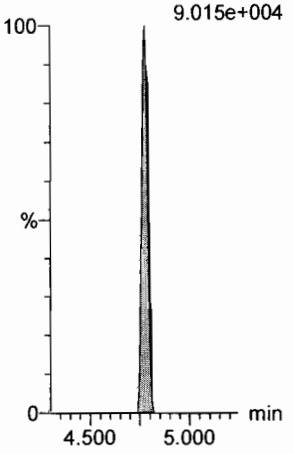
13C8-PFOA



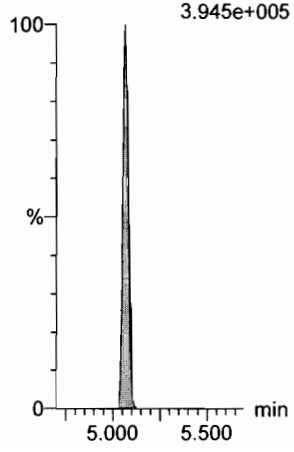
13C9-PFNA



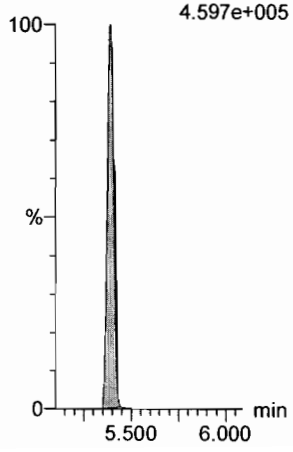
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: Untitled

Last Altered: Sunday, July 15, 2018 09:54:58 Pacific Daylight Time
Printed: Sunday, July 15, 2018 09:56:37 Pacific Daylight Time

JAM 7/15/18

AR 7/15/18

(A) Recovery NOT out LCL is 70%

AR 7/15/18

Name: 180713M2_72, Date: 14-Jul-2018, Time: 04:45:05, ID: ST180713M2-14 PFC CS0 18G0506, Description: PFC CS0 18G0506

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	555.678	6821.936	1.00	1.33	1.018	0.9	91.5	NO		
2	2	PFPeA	263.1 > 218.9	940.181	10885.298	1.00	2.32	1.080	1.1	105.7	NO		
3	3	PFBS	299.0 > 79.7	212.741	1312.587	1.00	2.62	2.026	1.0	103.4	NO	2.972	NO
4	4	4:2 FTS	327.2>307.2	176.576	2229.409	1.00	3.03	0.990	0.9	93.8	NO	1.493	NO
5	5	PFHxA	313.2 > 268.9	1072.667	3305.438	1.00	3.11	1.623	1.0	96.6	NO	272.112	NO
6	6	PFPeS	349.1>80.1	188.166	1312.587	1.00	3.32	1.792	1.0	96.9	NO	2.362	YES
7	36	13C3-PFBA	216.1 > 171.8	6821.936	7384.981	1.00	1.33	11.547	12.6	100.8	NO		
8	37	13C3-PFPeA	266. > 221.8	10885.298	10447.528	1.00	2.32	13.024	13.2	105.4	NO		
9	38	13C3-PFBS	302. > 98.8	1312.587	10447.528	1.00	2.61	1.570	13.1	104.8	NO		
10	39	13C2-4:2 FTS	329.2>308.9	2229.409	10447.528	1.00	3.03	2.667	11.0	88.2	NO		
11	40	13C2-PFHxA	315 > 269.8	3305.438	10447.528	1.00	3.11	3.955	5.3	106.0	NO		
12	38	13C3-PFBS	302. > 98.8	1312.587	10447.528	1.00	2.61	1.570	13.1	104.8	NO		
13	-1												
14	10	6:2 FTS	427.1 > 407	220.903	2465.147	1.00	4.20	1.120	1.0	101.3	NO	3.629	YES
15	7	PFHpA	363.0 > 318.9	953.516	9348.677	1.00	3.73	1.275	1.1	111.6	NO	23.731	YES
16	8	L-PFHxS	398.9 > 79.6	114.572	1010.124	1.00	3.89	1.418	0.8	80.8	NO	1.150	NO
17	11	L-PFOA	413 > 368.7	1038.043	11359.276	1.00	4.26	1.142	1.1	109.1	NO	3.425	NO
18	13	PFHpS	449 > 80.0	164.623	3311.069	1.00	4.37	0.621	0.8	75.5	NO	1.479	NO
19	14	PFNA	463.0 > 418.8	1059.762	10906.230	1.00	4.69	1.215	1.1	105.4	NO	5.188	YES
20	43	13C2-6:2 FTS	429.1 > 408.9	2465.147	12090.933	1.00	4.20	2.549	12.0	95.9	NO		
21	41	13C4-PFHpA	367.2 > 321.8	9348.677	10447.528	1.00	3.73	11.185	13.8	110.3	NO		
22	42	18O2-PFHxS	403.0 > 102.6	1010.124	2487.383	1.00	3.88	5.076	12.4	99.3	NO		
23	44	13C2-PFOA	414.9 > 369.7	11359.276	12090.933	1.00	4.26	11.744	12.4	99.3	NO		
24	47	13C8-PFOS	507.0 > 79.9	3311.069	2940.060	1.00	4.78	14.077	12.7	101.5	NO		
25	45	13C5-PFNA	468.2 > 422.9	10906.230	12250.309	1.00	4.69	11.129	11.4	90.9	NO		
26	-1												
27	15	PFOSA	498.2 > 77.9	451.403	5372.000	1.00	4.75	1.050	1.0	97.9	NO	87.566	YES
28	16	L-PFOS	499.1 > 79.9	198.112	3311.069	1.00	4.78	0.748	0.7	70.0	(A) YES	1.801	YES
29	18	PFDA	513 > 468.8	1233.661	11956.543	1.00	5.07	1.290	1.0	99.9	NO	5.283	NO
30	19	8:2 FTS	527 > 506.9	197.576	1669.567	1.00	5.04	1.479	1.1	107.3	NO	2.104	NO
31	20	PFNS	549.1>80.1	253.054	3311.069	1.00	5.13	0.955	1.1	109.1	NO	1.812	NO
32	21	L-MeFOSAA	570.1 > 419	418.392	3759.015	1.00	5.22	1.391	1.3	130.0	NO	22.046	YES
33	46	13C8-PFOSA	506.1 > 77.7	5372.000	17418.256	1.00	4.75	3.855	12.7	101.8	NO		
34	47	13C8-PFOS	507.0 > 79.9	3311.069	2940.060	1.00	4.78	14.077	12.7	101.5	NO		

Dataset: Untitled

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Name: 180713M2_72, Date: 14-Jul-2018, Time: 04:45:05, ID: ST180713M2-14 PFC CS0 18G0506, Description: PFC CS0 18G0506

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48	13C2-PFDA	515.1 > 469.9	11956.543	11275.657	1.00	5.07	13.255	13.2	105.3	NO		
36	49	13C2-8:2 FTS	529.1 > 508.7	1669.567	10447.528	1.00	5.04	1.998	10.2	81.9	NO		
37	47	13C8-PFOS	507.0 > 79.9	3311.069	2940.060	1.00	4.78	14.077	12.7	101.5	NO		
38	50	d3-N-MeFOSAA	573.3 > 419	3759.015	17418.256	1.00	5.22	2.698	10.4	83.5	NO		
39	-1												
40	23	L-EtFOSAA	584.2 > 419	376.674	5646.185	1.00	5.38	0.834	1.0	96.6	NO	14.633	NO
41	27	PFDoA	612.9 > 569.0	1413.173	17895.807	1.00	5.68	0.987	0.8	79.9	NO	7.041	NO
42	26	PFDS	598.8 > 80	245.658	15883.610	1.00	5.44	0.193	1.0	101.2	NO	2.695	NO
43	25	PFUdA	563.0 > 518.9	1307.431	15883.610	1.00	5.39	1.029	0.9	93.4	NO	10.611	NO
44	28	N-MeFOSA	512.1 > 168.9	727.560	22240.457	1.00	5.76	4.907	4.9	97.9	NO	1.259	NO
45	29	PFTrDA	662.9 > 618.9	1580.861	17895.807	1.00	5.92	1.104	0.8	82.6	NO	20.557	NO
46	51	d5-N-EtFOSAA	589.3 > 419	5646.185	17418.256	1.00	5.37	4.052	14.5	115.8	NO		
47	53	13C2-PFDoA	615.0 > 569.7	17895.807	11275.657	1.00	5.67	19.839	15.7	125.7	NO		
48	52	13C2-PFUdA	565 > 519.8	15883.610	17418.256	1.00	5.39	11.399	12.6	100.7	NO		
49	52	13C2-PFUdA	565 > 519.8	15883.610	17418.256	1.00	5.39	11.399	12.6	100.7	NO		
50	54	d3-N-MeFOSA	515.2 > 168.9	22240.457	17418.256	1.00	5.78	15.961	153.5	102.3	NO		
51	53	13C2-PFDoA	615.0 > 569.7	17895.807	11275.657	1.00	5.67	19.839	15.7	125.7	NO		
52	-1												
53	30	PFTeDA	712.9 > 668.8	1428.737	9625.166	1.00	6.13	1.855	1.0	104.1	NO	14.546	YES
54	31	N-EtFOSA	526.1 > 168.9	783.599	26599.445	1.00	6.17	4.419	5.0	99.2	NO	1.353	NO
55	32	PFHxDA	813.1 > 768.6	753.759	5651.645	1.00	6.47	0.667	1.1	108.1	NO	24.858	NO
56	33	PFODA	913.1 > 868.8	1293.850	5651.645	1.00	6.70	1.145	1.2	123.4	NO		
57	34	N-MeFOSE	616.1 > 58.9	770.039	23737.301	1.00	6.33	4.866	5.0	100.7	NO		
58	35	N-EtFOSE	630.1 > 58.9	987.584	26698.662	1.00	6.48	5.549	4.8	95.6	NO		
59	55	13C2-PFTeDA	714.8 > 669.6	9625.166	17418.256	1.00	6.13	6.907	12.0	96.2	NO		
60	56	d5-N-ETFOSA	531.1 > 168.9	26599.445	17418.256	1.00	6.18	19.089	165.8	110.6	NO		
61	57	13C2-PFHxDA	815 > 769.7	5651.645	17418.256	1.00	6.47	4.056	4.6	92.2	NO		
62	57	13C2-PFHxDA	815 > 769.7	5651.645	17418.256	1.00	6.47	4.056	4.6	92.2	NO		
63	58	d7-N-MeFOSE	623.1 > 58.9	23737.301	17418.256	1.00	6.32	17.035	143.3	95.5	NO		
64	59	d9-N-EtFOSE	639.2 > 58.8	26698.662	17418.256	1.00	6.47	19.160	165.4	110.2	NO		
65	-1												
66	60	13C4-PFBA	217. > 171.8	7384.981	7384.981	1.00	1.33	12.500	12.5	100.0	NO		
67	61	13C5-PFHxA	318 > 272.9	10447.528	10447.528	1.00	3.11	12.500	12.5	100.0	NO		
68	62	13C3-PFHxS	401.9 > 79.9	2487.383	2487.383	1.00	3.88	12.500	12.5	100.0	NO		

Dataset: Untitled

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Name: 180713M2_72, Date: 14-Jul-2018, Time: 04:45:05, ID: ST180713M2-14 PFC CS0 18G0506, Description: PFC CS0 18G0506

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63	13C8-PFOA	421.3 > 376	12090.933	12090.933	1.00	4.26	12.500	12.5	100.0	NO		
70	64	13C9-PFNA	472.2 > 426.9	12250.309	12250.309	1.00	4.69	12.500	12.5	100.0	NO		
71	65	13C4-PFOS	503 > 79.9	2940.060	2940.060	1.00	4.78	12.500	12.5	100.0	NO		
72	66	13C6-PFDA	519.1 > 473.7	11275.657	11275.657	1.00	5.07	12.500	12.5	100.0	NO		
73	67	13C7-PFUdA	570.1 > 524.8	17418.256	17418.256	1.00	5.39	12.500	12.5	100.0	NO		

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
1	1	180713M2_1	IPA	13-Jul-18	16:22:10
2	2	180713M2_2	ST180713M2-1 PFC CS-2 18G0504	13-Jul-18	16:32:35
3	3	180713M2_3	ST180713M2-2 PFC CS-1 18G0505	13-Jul-18	16:43:04
4	4	180713M2_4	ST180713M2-3 PFC CS0 18G0506	13-Jul-18	16:53:30
5	5	180713M2_5	ST180713M2-4 PFC CS1 18G0507	13-Jul-18	17:04:00
6	6	180713M2_6	ST180713M2-5 PFC CS2 18G0508	13-Jul-18	17:14:24
7	7	180713M2_7	ST180713M2-6 PFC CS3 18G0509	13-Jul-18	17:24:55
8	8	180713M2_8	ST180713M2-7 PFC CS4 18G0510	13-Jul-18	17:35:19
9	9	180713M2_9	ST180713M2-8 PFC CS5 18G0511	13-Jul-18	17:45:50
10	10	180713M2_10	ST180713M2-9 PFC CS6 18G0512	13-Jul-18	17:56:15
11	11	180713M2_11	ST180713M2-10 PFC CS7 18G0513	13-Jul-18	18:06:45
12	12	180713M2_12	IPA	13-Jul-18	18:17:33
13	13	180713M2_13	ICV180713M2-1 PFC 537 ICV 18G0514	13-Jul-18	18:27:59
14	14	180713M2_14	B8F0196-BS1 OPR 1	13-Jul-18	18:38:29
15	15	180713M2_15	B8F0196-MS1 Matrix Spike 1.01	13-Jul-18	18:48:59
16	16	180713M2_16	B8F0196-MSD1 Matrix Spike Dup 1.01	13-Jul-18	18:59:24
17	17	180713M2_17	B8F0196-BLK1 Method Blank 1	13-Jul-18	19:09:54
18	18	180713M2_18	1801388-03 MCLPCH292 1.04	13-Jul-18	19:20:16
19	19	180713M2_19	1801388-04 MCLPCH298 1.01	13-Jul-18	19:30:46
20	20	180713M2_20	1801388-06 MCLPCH305 1.13	13-Jul-18	19:41:17
21	21	180713M2_21	1801388-07 MCLPCH306 1.35	13-Jul-18	19:51:47
22	22	180713M2_22	1801388-09 MCLPCH308 1.22	13-Jul-18	20:02:12
23	23	180713M2_23	1801388-10 MCLPCH309 1.32	13-Jul-18	20:12:43
24	24	180713M2_24	1801388-11 MCLPCH314 1.25	13-Jul-18	20:23:07
25	25	180713M2_25	1801388-12 MCLPCH315 1.36	13-Jul-18	20:33:37
26	26	180713M2_26	1801388-13 MCLPCH324 1.07	13-Jul-18	20:44:02
27	27	180713M2_27	1801388-14 MCLPCH323 1.43	13-Jul-18	20:54:32
28	28	180713M2_28	IPA	13-Jul-18	21:04:57
29	29	180713M2_29	ST180713M2-11 PFC CS3 18G0509	13-Jul-18	21:15:27
30	30	180713M2_30	1801388-15 MCLPCH320 1.1	13-Jul-18	21:25:52
31	31	180713M2_31	1801388-16 MCLPCH321 1.05	13-Jul-18	21:36:23
32	32	180713M2_32	1801388-17 MCLPCH392 1.05	13-Jul-18	21:46:47

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Dataset: Untitled

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
33	33	180713M2_33	1801388-18 MCLPCH293 1.13	13-Jul-18	21:57:18
34	34	180713M2_34	1801388-19 MCLPCH294 1.2	13-Jul-18	22:07:42
35	35	180713M2_35	B8G0003-BS1 OPR 0.125	13-Jul-18	22:18:13
36	36	180713M2_36	B8G0003-MS1 Matrix Spike 0.11902	13-Jul-18	22:28:37
37	37	180713M2_37	B8G0003-MSD1 Matrix Spike Dup 0.117...	13-Jul-18	22:39:08
38	38	180713M2_38	B8G0003-BLK1 Method Blank 0.125	13-Jul-18	22:49:32
39	39	180713M2_39	1801167-01RE1 REEPDW1118FRB 0.1...	13-Jul-18	23:00:03
40	40	180713M2_40	1801167-02RE1 REEPDW1113FRB 0.1...	13-Jul-18	23:10:25
41	41	180713M2_41	1801167-05RE1 REEPDW1117FRB 0.1...	13-Jul-18	23:20:55
42	42	180713M2_42	1801490-01 REEPDW1180 0.11671	13-Jul-18	23:31:20
43	43	180713M2_43	1801490-02 REEPDW567 0.11621	13-Jul-18	23:41:50
44	44	180713M2_44	1801490-03 REEPDW1181 0.11605	13-Jul-18	23:52:15
45	45	180713M2_45	1801490-04 REEPDW1182 0.11959	14-Jul-18	00:02:45
46	46	180713M2_46	1801490-05 REEPDW1183 0.11851	14-Jul-18	00:13:10
47	47	180713M2_47	IPA	14-Jul-18	00:23:41
48	48	180713M2_48	ST180713M2-12 PFC CS3 18G0509	14-Jul-18	00:34:05
49	49	180713M2_49	1801490-06 REEPDW1184 0.11562	14-Jul-18	00:44:36
50	50	180713M2_50	1801490-07 REEPDW1185 0.11546	14-Jul-18	00:55:00
51	51	180713M2_51	1801491-01 REEPDW1180FRB 0.11925	14-Jul-18	01:05:31
52	52	180713M2_52	1801491-02 REEPDW1181FRB 0.11884	14-Jul-18	01:15:56
53	53	180713M2_53	1801491-03 REEPDW1182FRB 0.11814	14-Jul-18	01:26:27
54	54	180713M2_54	1801491-04 REEPDW1183FRB 0.11809	14-Jul-18	01:36:52
55	55	180713M2_55	1801491-05 REEPDW1184FRB 0.11912	14-Jul-18	01:47:14
56	56	180713M2_56	1801491-06 REEPDW1185FRB 0.11729	14-Jul-18	01:57:44
57	57	180713M2_57	B8G0006-BS1 OPR 0.25	14-Jul-18	02:08:09
58	58	180713M2_58	B8G0006-MS1 Matrix Spike 0.24814	14-Jul-18	02:18:39
59	59	180713M2_59	B8G0006-MSD1 Matrix Spike Dup 0.247...	14-Jul-18	02:29:04
60	60	180713M2_60	B8G0006-BLK1 Method Blank 0.25	14-Jul-18	02:39:35
61	61	180713M2_61	1801486-01 FT-SW10-20180626 0.24705	14-Jul-18	02:49:59
62	62	180713M2_62	1801486-02 FT-SW12-20180626 0.24374	14-Jul-18	03:00:30
63	63	180713M2_63	1801486-03 FT-SW13-20180626 0.25801	14-Jul-18	03:10:54
64	64	180713M2_64	1801486-04 SW-DP01-20180626 0.243...	14-Jul-18	03:21:24
65	65	180713M2_65	1801486-05 SW-DP02-20180626 0.239...	14-Jul-18	03:31:49
66	66	180713M2_66	1801486-06 SA-SW201-20180626 0.25...	14-Jul-18	03:42:19
67	67	180713M2_67	1801486-07 SA-SW201-FRB-20180626...	14-Jul-18	03:52:44
68	68	180713M2_68	1801486-08 SA-SW204-20180626 0.24...	14-Jul-18	04:03:15

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Last Altered: Sunday, July 15, 2018 13:54:37 Pacific Daylight Time
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Compound name: PFBA

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70	70	180713M2_70	IPA	14-Jul-18	04:24:09
71	71	180713M2_71	ST180713M2-13 PFC CS3 18G0509	14-Jul-18	04:34:34
72	72	180713M2_72	ST180713M2-14 PFC CS0 18G0506	14-Jul-18	04:45:05
73	73	180713M2_73	1801486-10 SA-DUP01-20180626 0.246	14-Jul-18	04:55:30
74	74	180713M2_74	1801486-11 CA-AQIDW01-20180626 0....	14-Jul-18	05:06:00
75	75	180713M2_75	1801501-09 MCLPCH428 0.11948	14-Jul-18	05:16:26
76	76	180713M2_76	1801502-06 MCLPCB410 0.11585	14-Jul-18	05:26:56
77	77	180713M2_77	1801502-13 MCLPCD419 0.1208	14-Jul-18	05:37:21
78	78	180713M2_78	1801385-01@5X B-5-GW 0.2557	14-Jul-18	05:47:51
79	79	180713M2_79	1801385-02@5X B-5-GW DUP 0.25193	14-Jul-18	05:58:16
80	80	180713M2_80	1801385-03 B-6-GW 0.25052	14-Jul-18	06:08:46
81	81	180713M2_81	B8G0042-BS1 OPR 1	14-Jul-18	06:19:11
82	82	180713M2_82	B8G0042-BLK1 Method Blank 1	14-Jul-18	06:29:41
83	83	180713M2_83	1801266-04RE1 TP-1 1.12	14-Jul-18	06:40:06
84	84	180713M2_84	1801266-06RE1 TP-3 1.11	14-Jul-18	06:50:36
85	85	180713M2_85	IPA	14-Jul-18	07:01:06
86	86	180713M2_86	ST180713M2-15 PFC CS3 18G0509	14-Jul-18	07:11:31
87	87	180713M2_87	1801278-01RE1 HS-SB-224- (8-10) 1.12	14-Jul-18	07:22:02
88	88	180713M2_88	1801278-02RE1 HS-SB-129- (7-8) 1.1	14-Jul-18	07:32:26
89	89	180713M2_89	1801351-01RE1 HS-SB-118- (7-8)- EPA...	14-Jul-18	07:42:56
90	90	180713M2_90	1801366-10RE1 PGW-1 (2-4) 1.13	14-Jul-18	07:53:22
91	91	180713M2_91	1801366-11RE1 PGW-2 (1-1.5) 1.04	14-Jul-18	08:03:52
92	92	180713M2_92	1801366-12RE1 PGW-3 (1-2) 1.05	14-Jul-18	08:14:17
93	93	180713M2_93	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	14-Jul-18	08:24:48
94	94	180713M2_94	B8G0001-BS1 OPR 0.125	14-Jul-18	08:35:13
95	95	180713M2_95	B8G0001-BLK1 Method Blank 0.125	14-Jul-18	08:45:43
96	96	180713M2_96	1801494-01 Field Blank 0.11836	14-Jul-18	08:56:08
97	97	180713M2_97	1801494-02 Equip Blank 0.11849	14-Jul-18	09:06:38
98	98	180713M2_98	1801494-03 DW 0.11381	14-Jul-18	09:17:02
99	99	180713M2_99	1801494-04 MW-4 0.11665	14-Jul-18	09:29:42
100	1...	180713M2_100	1801494-05 MW-2 0.11525	14-Jul-18	09:40:07
101	1...	180713M2_101	IPA	14-Jul-18	09:50:37
102	1...	180713M2_102	ST180713M2-16 PFC CS3 18G0509	14-Jul-18	10:01:02
103	1...	180713M2_103	1801494-06 MW-1 0.11893	14-Jul-18	10:11:32
104	1...	180713M2_104	1801495-01 MW-5 0.11744	14-Jul-18	10:21:58

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106	1...	180713M2_106	1801495-03 MW-2 0.11609	14-Jul-18	10:42:53
107	1...	180713M2_107	1801495-04 MW-3R 0.11651	14-Jul-18	10:53:24
108	1...	180713M2_108	1801497-01 Raw Water 0.11411	14-Jul-18	11:03:46
109	1...	180713M2_109	1801497-02 Finished Water 0.11702	14-Jul-18	11:14:17
110	1...	180713M2_110	1801498-01 BAR SINK /001 0.11897	14-Jul-18	11:24:41
111	1...	180713M2_111	IPA	14-Jul-18	11:35:11
112	1...	180713M2_112	ST180713M2-17 PFC CS3 18G0509	14-Jul-18	11:45:36
113	1...	180713M2_113	QC_180711_DT10	14-Jul-18	11:56:07
114	1...	180713M2_114	QC_180711_DT11	14-Jul-18	12:06:31
115	1...	180713M2_115	QC_180711_DT12	14-Jul-18	12:17:01
116	1...	180713M2_116	QC_180711_DT13	14-Jul-18	12:27:32
117	1...	180713M2_117	QC_180711_DT14	14-Jul-18	12:37:56
118	1...	180713M2_118	QC_180711_DT15	14-Jul-18	12:48:26
119	1...	180713M2_119	QC_180711_QC200	14-Jul-18	12:58:50
120	1...	180713M2_120	QC_180711_QC225	14-Jul-18	13:09:20
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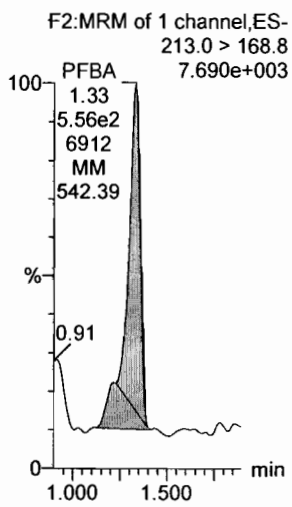
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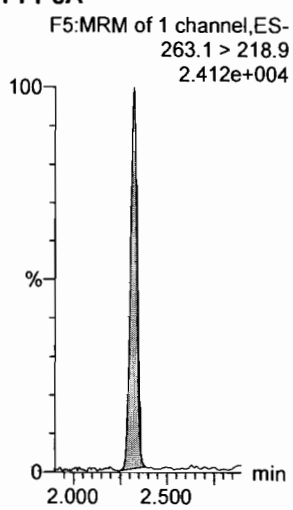
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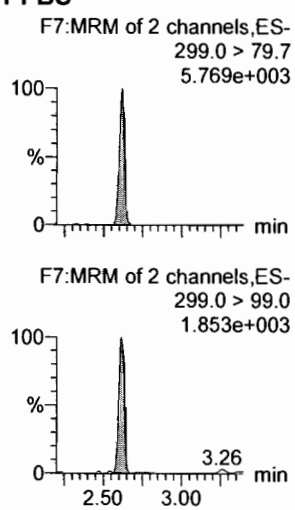
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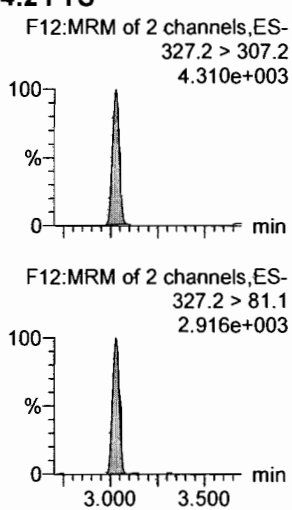
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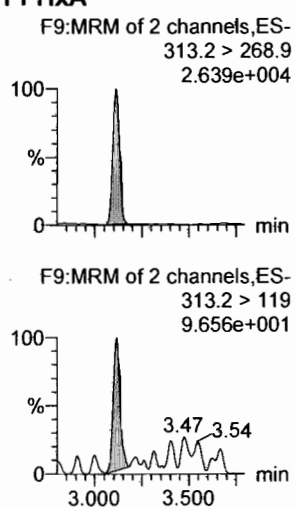
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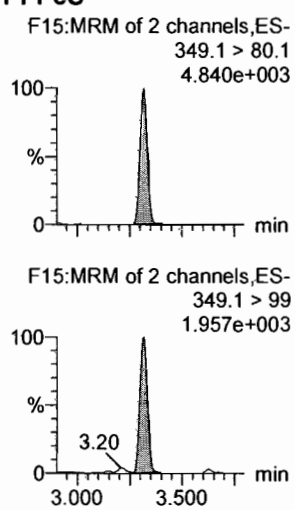
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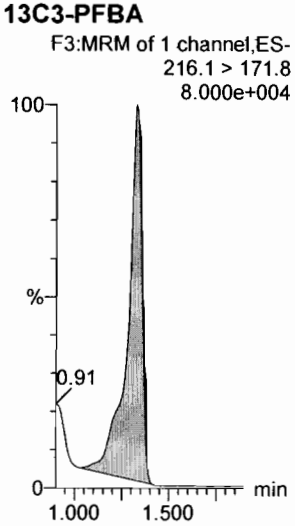
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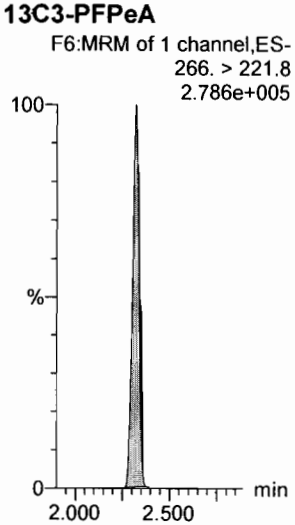
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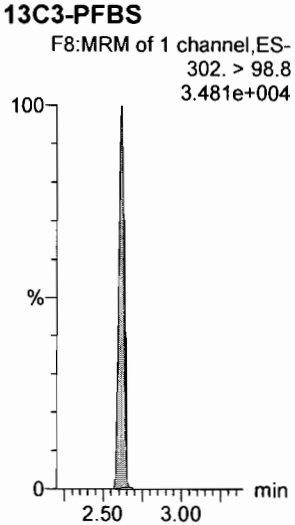
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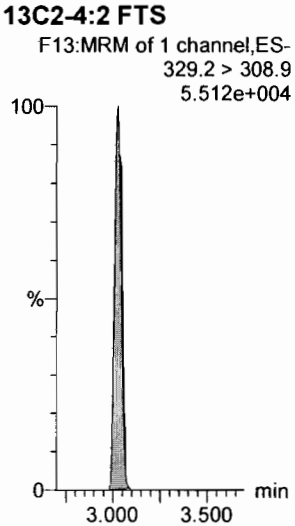
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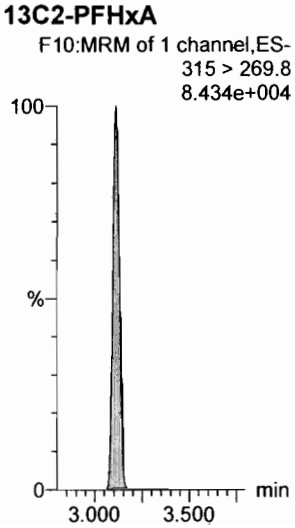
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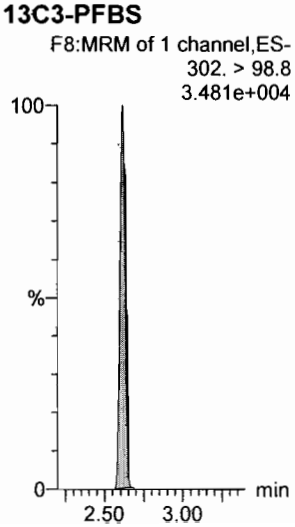
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13C2-PFHxA



13C3-PFBS

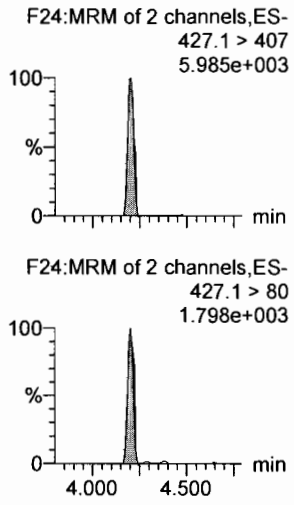


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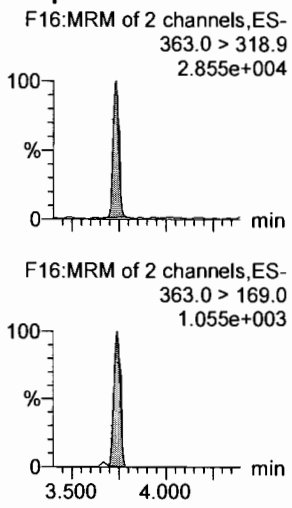
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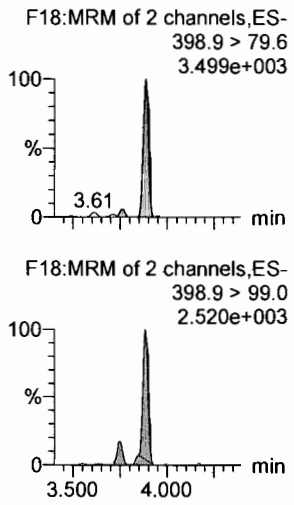
6:2 FTS



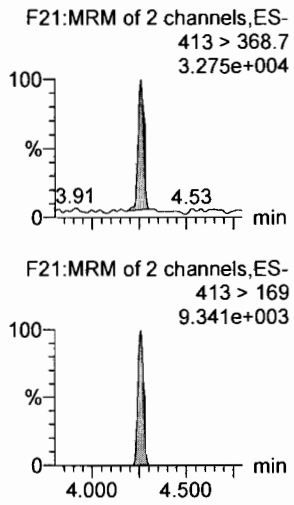
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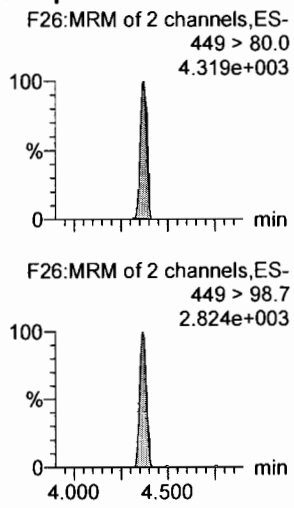
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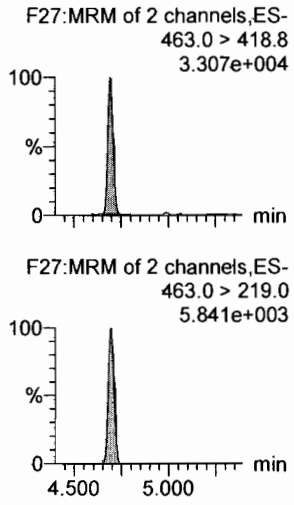
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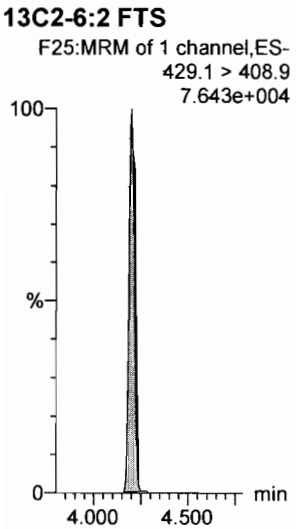
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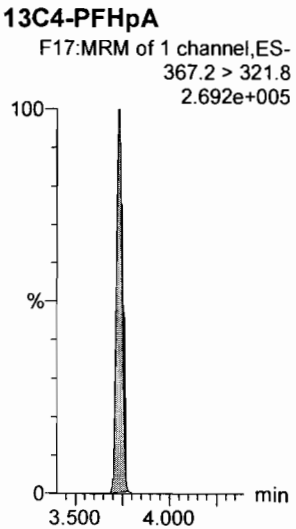
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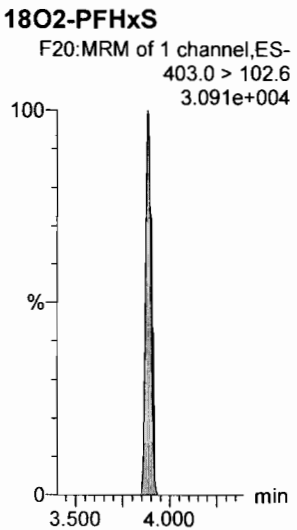
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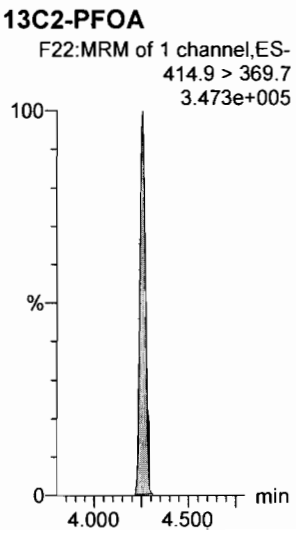
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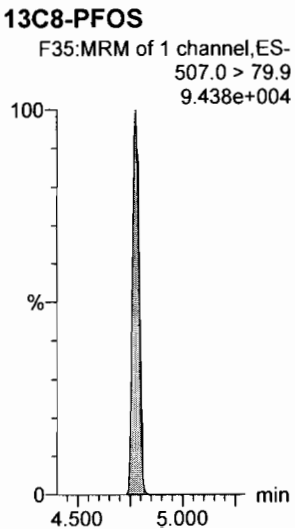
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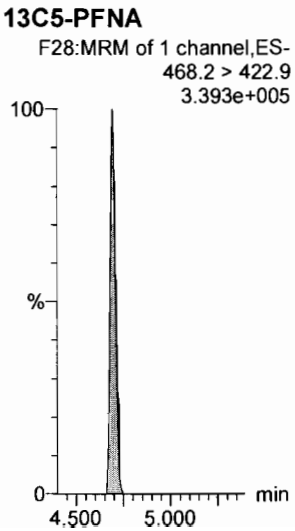
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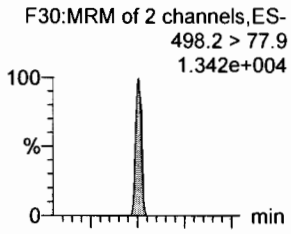


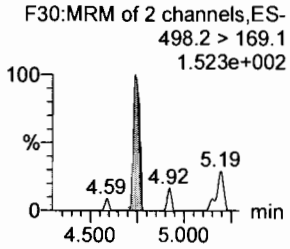
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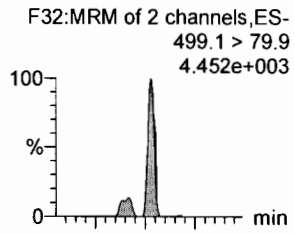
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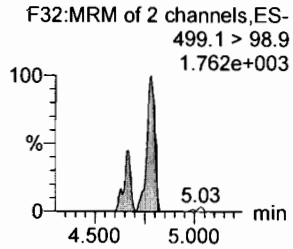
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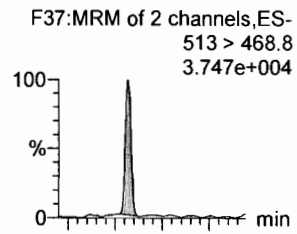


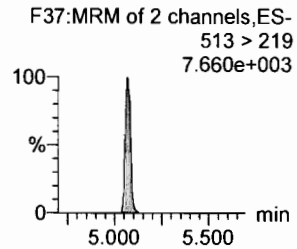
L-PFOS



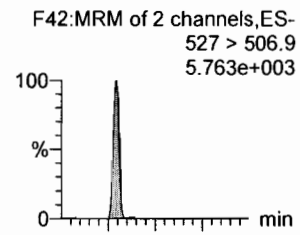


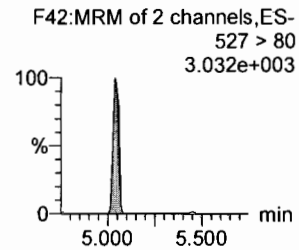
PFDA



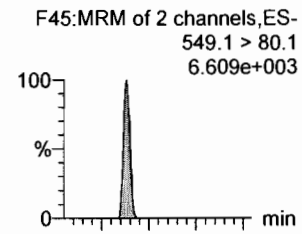


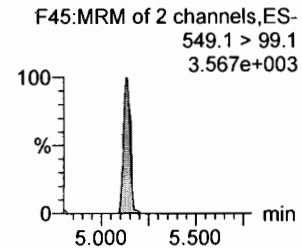
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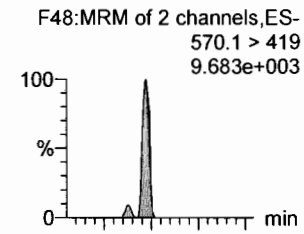


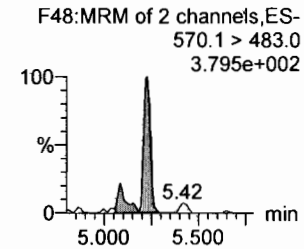
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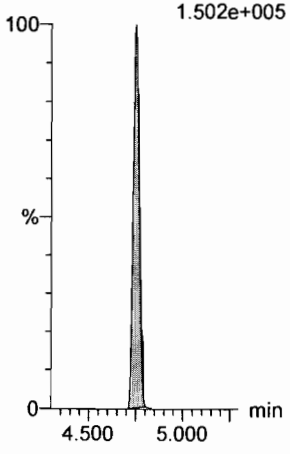


L-MeFOSAA

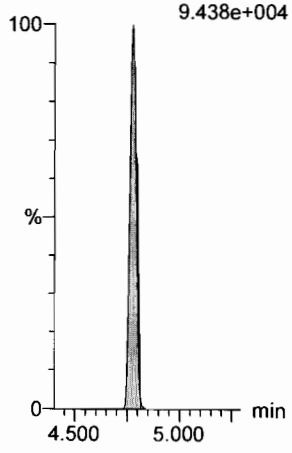




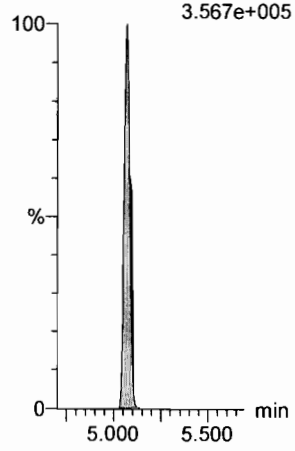
13C8-PFOSA



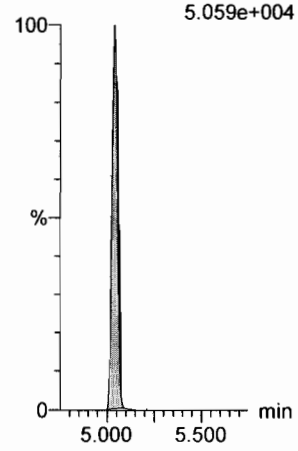
13C8-PFOS



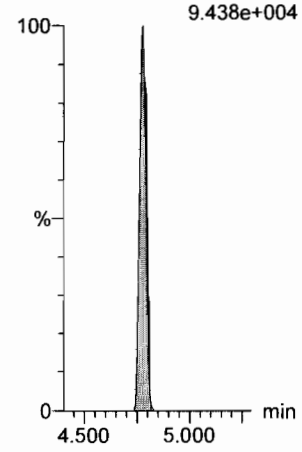
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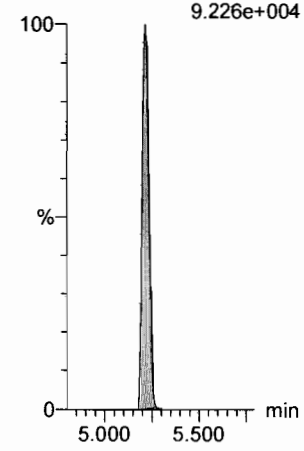
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



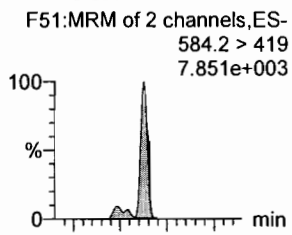
Vista Analytical Laboratory

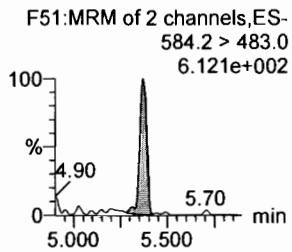
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Printed: Sunday, July 15, 2018 09:56:37 Pacific Daylight Time

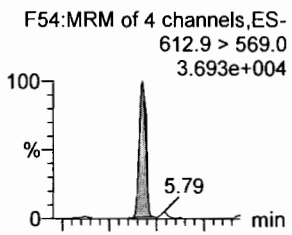
Name: 180713M2_72, Date: 14-Jul-2018, Time: 04:45:05, ID: ST180713M2-14 PFC CS0 18G0506, Description: PFC CS0 18G0506

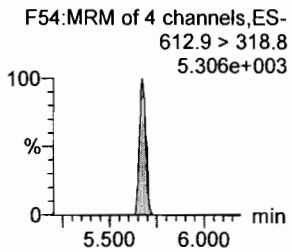
L-EtFOSAA



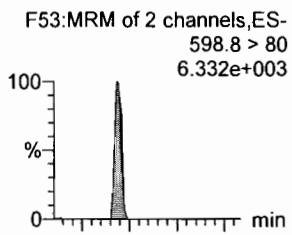


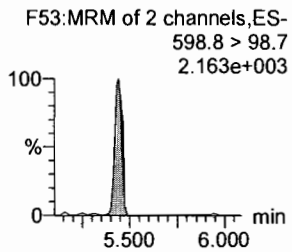
PFDoA



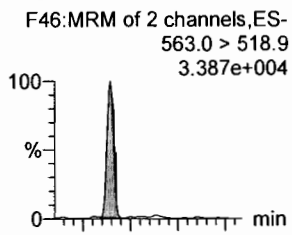


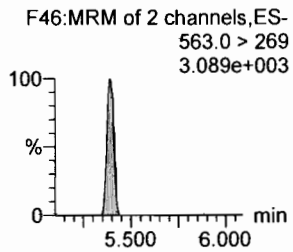
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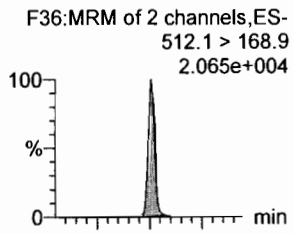


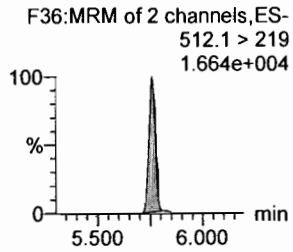
PFUdA



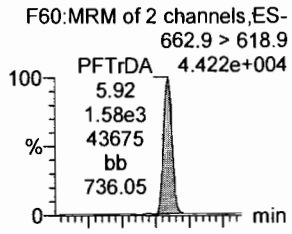


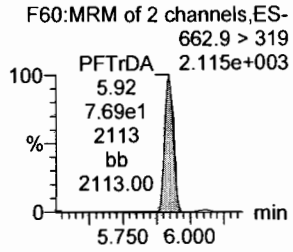
N-MeFOSA



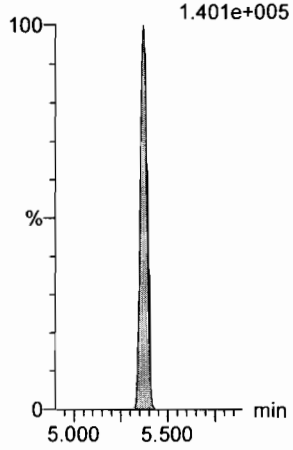


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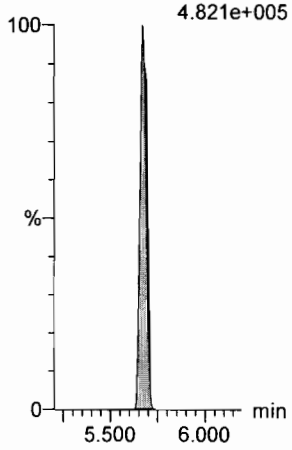




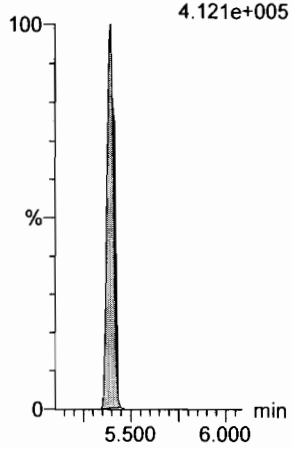
d5-N-EtFOSAA



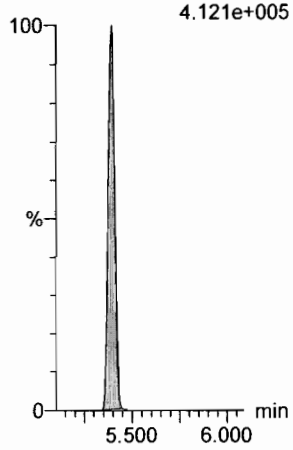
13C2-PFDoA



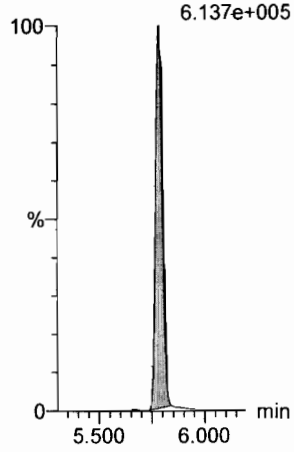
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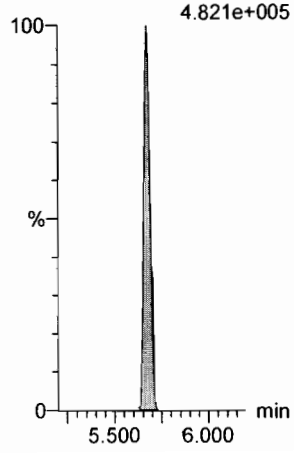
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

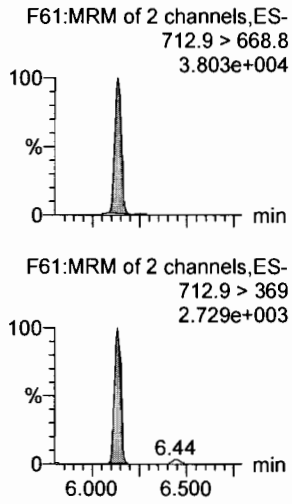


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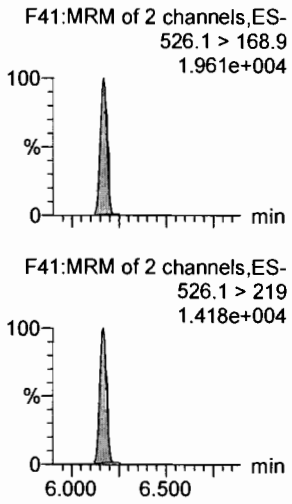
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Name: 180713M2_72, Date: 14-Jul-2018, Time: 04:45:05, ID: ST180713M2-14 PFC CS0 18G0506, Description: PFC CS0 18G0506

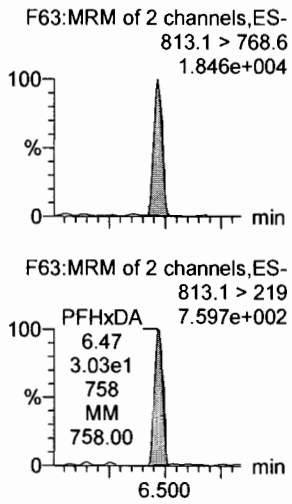
PFTeDA



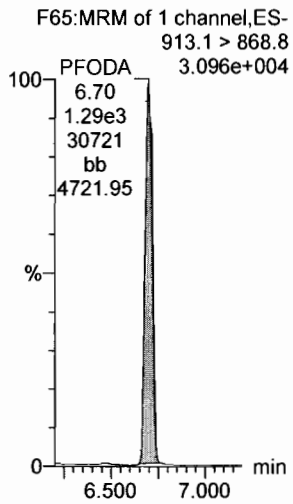
N-EtFOSA



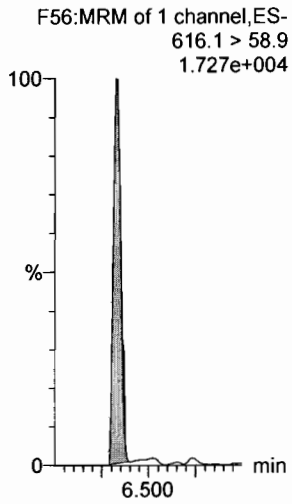
PFHxDA



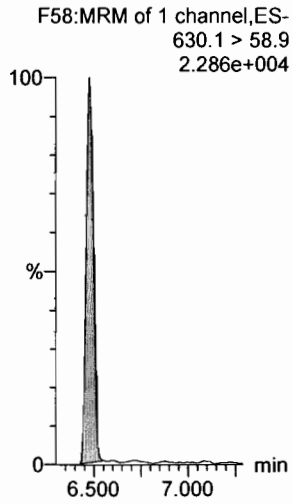
PFODA



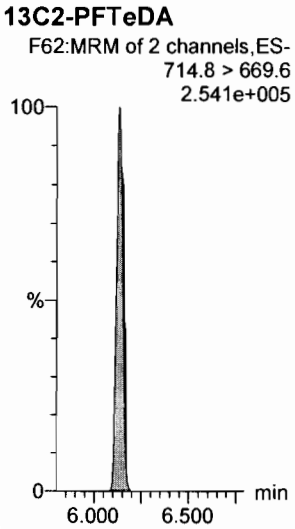
N-MeFOSE



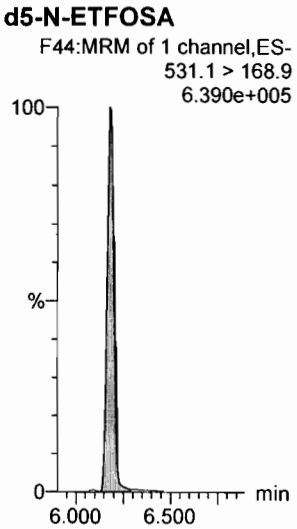
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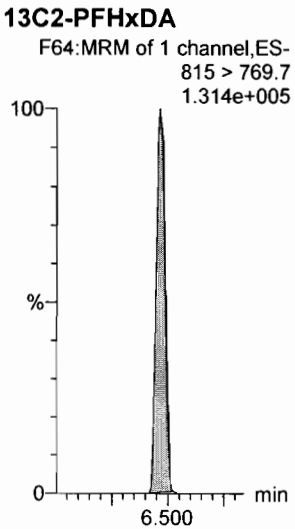
13C2-PFTeDA



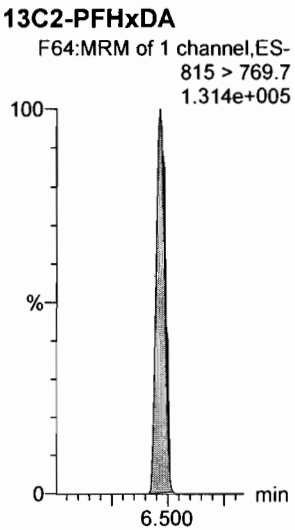
d5-N-ETFOSA



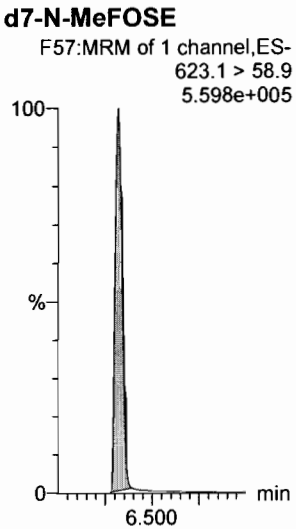
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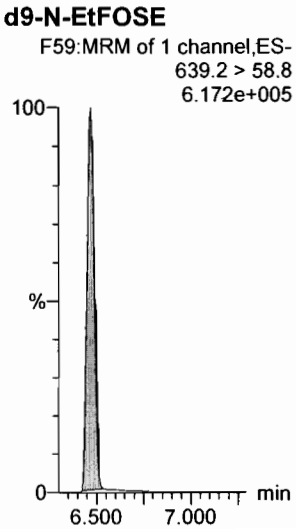
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d7-N-MeFOSE



d9-N-EtFOSE

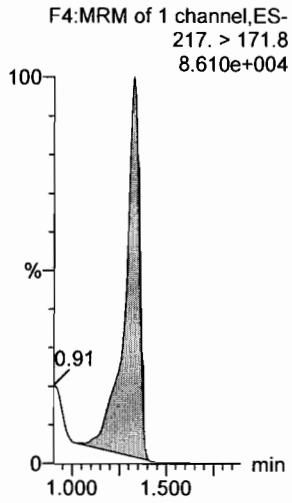


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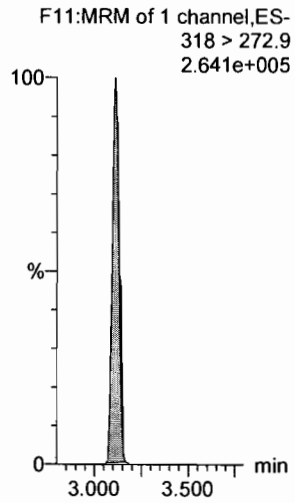
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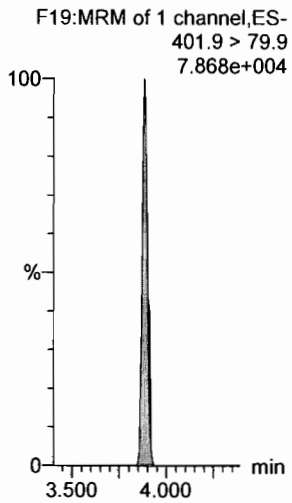
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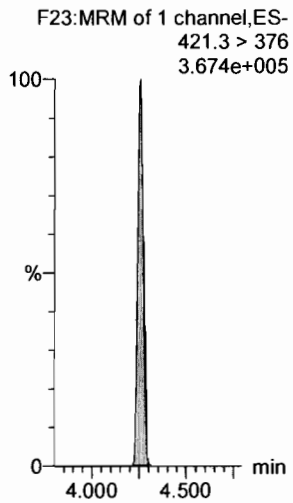
13C5-PFHxA



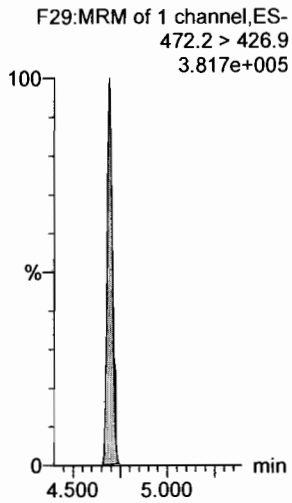
13C3-PFHxS



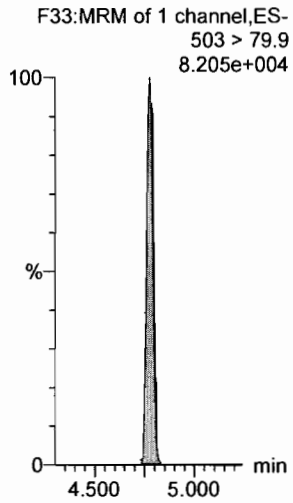
13C8-PFOA



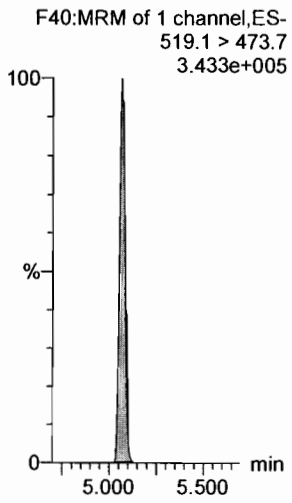
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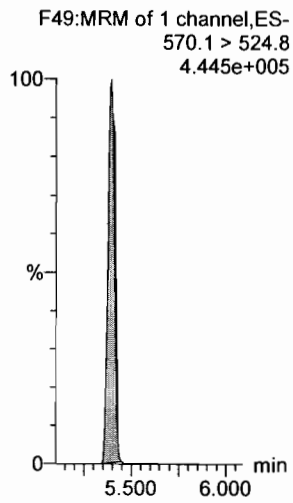
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-86.qld

Last Altered: Sunday, July 15, 2018 10:05:28 Pacific Daylight Time
Printed: Sunday, July 15, 2018 10:07:05 Pacific Daylight Time

JDM 7/15/18

AR 7/15/18

(A) Above criteria limit as 7/15/18

Name: 180713M2_86, Date: 14-Jul-2018, Time: 07:11:31, ID: ST180713M2-15 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	6586.498	7373.554	1.00	1.33	11.166	9.6	96.4	NO		
2	2	PFPeA	263.1 > 218.9	9361.125	11575.876	1.00	2.32	10.108	9.7	96.7	NO		
3	3	PFBS	299.0 > 79.7	2143.666	1350.848	1.00	2.61	19.836	10.0	100.0	NO	2.645	NO
4	4	4:2 FTS	327.2>307.2	1981.292	2326.470	1.00	3.03	10.645	11.2	111.5	NO	1.513	NO
5	5	PFHxA	313.2 > 268.9	11164.965	3295.004	1.00	3.11	16.942	10.1	101.2	NO	368.578	NO
6	6	PFPeS	349.1>80.1	2259.940	1350.848	1.00	3.31	20.912	11.4	114.3	NO	1.794	NO
7	36	13C3-PFBA	216.1 > 171.8	7373.554	8150.228	1.00	1.33	11.309	12.3	98.8	NO		
8	37	13C3-PFPeA	266. > 221.8	11575.876	11297.391	1.00	2.32	12.808	13.0	103.6	NO		
9	38	13C3-PFBS	302. > 98.8	1350.848	11297.391	1.00	2.61	1.495	12.5	99.7	NO		
10	39	13C2-4:2 FTS	329.2>308.9	2326.470	11297.391	1.00	3.03	2.574	10.6	85.1	NO		
11	40	13C2-PFHxA	315 > 269.8	3295.004	11297.391	1.00	3.11	3.646	4.9	97.7	NO		
12	38	13C3-PFBS	302. > 98.8	1350.848	11297.391	1.00	2.61	1.495	12.5	99.7	NO		
13	-1												
14	10	6:2 FTS	427.1 > 407	2264.980	2321.287	1.00	4.20	12.197	11.8	118.4	NO	2.696	NO
15	7	PFHpA	363.0 > 318.9	9037.596	10011.412	1.00	3.73	11.284	9.9	98.5	NO	17.721	NO
16	8	L-PFHxS	398.9 > 79.6	1438.343	1035.347	1.00	3.88	17.365	9.2	92.2	NO	1.620	NO
17	11	L-PFOA	413 > 368.7	9509.370	11143.209	1.00	4.25	10.667	10.3	102.9	NO	3.551	NO
18	13	PFHpS	449 > 80.0	2044.855	2972.429	1.00	4.37	8.599	10.7	107.4	NO	1.939	NO
19	14	PFNA	463.0 > 418.8	12045.113	13352.945	1.00	4.69	11.276	9.8	97.5	NO	4.621	NO
20	43	13C2-6:2 FTS	429.1 > 408.9	2321.287	11733.513	1.00	4.20	2.473	11.6	93.1	NO		
21	41	13C4-PFHpA	367.2 > 321.8	10011.412	11297.391	1.00	3.73	11.077	13.7	109.3	NO		
22	42	18O2-PFHxS	403.0 > 102.6	1035.347	2636.387	1.00	3.88	4.909	12.0	96.1	NO		
23	44	13C2-PFOA	414.9 > 369.7	11143.209	11733.513	1.00	4.25	11.871	12.5	100.4	NO		
24	47	13C8-PFOS	507.0 > 79.9	2972.429	3072.181	1.00	4.77	12.094	10.9	87.2	NO		
25	45	13C5-PFNA	468.2 > 422.9	13352.945	12705.979	1.00	4.69	13.136	13.4	107.3	NO		
26	-1												
27	15	PFOSA	498.2 > 77.9	4155.719	5936.664	1.00	4.74	8.750	9.1	91.1	NO	28.581	NO
28	16	L-PFOS	499.1 > 79.9	2436.379	2972.429	1.00	4.77	10.246	12.0	120.2	NO	1.762	YES
29	18	PFDA	513 > 468.8	13279.797	12885.669	1.00	5.06	12.882	10.0	100.1	NO	5.614	NO
30	19	8:2 FTS	527 > 506.9	2059.883	2057.277	1.00	5.03	12.516	8.3	83.1	NO	2.118	NO
31	20	PFNS	549.1>80.1	2315.578	2972.429	1.00	5.13	9.738	11.9	119.0	NO	1.722	NO
32	21	L-MeFOSAA	570.1 > 419	4877.298	4106.628	1.00	5.22	14.846	13.9	138.9	YES (A)	12.005	NO
33	46	13C8-PFOSA	506.1 > 77.7	5936.664	16022.818	1.00	4.75	4.631	15.3	122.3	NO		
34	47	13C8-PFOS	507.0 > 79.9	2972.429	3072.181	1.00	4.77	12.094	10.9	87.2	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-86.qld

Last Altered: Sunday, July 15, 2018 10:05:28 Pacific Daylight Time
Printed: Sunday, July 15, 2018 10:07:05 Pacific Daylight Time

Name: 180713M2_86, Date: 14-Jul-2018, Time: 07:11:31, ID: ST180713M2-15 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48	13C2-PFDA	515.1 > 469.9	12885.669	13406.854	1.00	5.06	12.014	11.9	95.5	NO		
36	49	13C2-8:2 FTS	529.1 > 508.7	2057.277	11297.391	1.00	5.03	2.276	11.7	93.3	NO		
37	47	13C8-PFOS	507.0 > 79.9	2972.429	3072.181	1.00	4.77	12.094	10.9	87.2	NO		
38	50	d3-N-MeFOSAA	573.3 > 419	4106.628	16022.818	1.00	5.21	3.204	12.4	99.1	NO		
39	-1												
40	23	L-EtFOSAA	584.2 > 419	4008.241	6038.655	1.00	5.37	8.297	9.1	91.1	NO	23.814	YES
41	27	PFDoA	612.9 > 569.0	17220.045	16494.756	1.00	5.67	13.050	9.4	94.4	NO	9.101	NO
42	26	PFDS	598.8 > 80	2695.531	17377.961	1.00	5.44	1.939	9.9	99.3	NO	1.942	NO
43	25	PFUdA	563.0 > 518.9	13252.025	17377.961	1.00	5.39	9.532	8.9	89.0	NO	11.026	NO
44	28	N-MeFOSA	512.1 > 168.9	7786.983	23251.672	1.00	5.75	50.235	51.8	103.5	NO	1.323	NO
45	29	PFTrDA	662.9 > 618.9	16788.428	16494.756	1.00	5.92	12.723	9.8	98.4	NO	23.447	NO
46	51	d5-N-EtFOSAA	589.3 > 419	6038.655	16022.818	1.00	5.36	4.711	16.8	134.7	NO		
47	53	13C2-PFDoA	615.0 > 569.7	16494.756	13406.854	1.00	5.67	15.379	12.2	97.5	NO		
48	52	13C2-PFUdA	565 > 519.8	17377.961	16022.818	1.00	5.39	13.557	15.0	119.8	NO		
49	52	13C2-PFUdA	565 > 519.8	17377.961	16022.818	1.00	5.39	13.557	15.0	119.8	NO		
50	54	d3-N-MeFOSA	515.2 > 168.9	23251.672	16022.818	1.00	5.78	18.139	174.5	116.3	NO		
51	53	13C2-PFDoA	615.0 > 569.7	16494.756	13406.854	1.00	5.67	15.379	12.2	97.5	NO		
52	-1												
53	30	PFTeDA	712.9 > 668.8	14526.526	9115.952	1.00	6.13	19.919	11.4	114.1	NO	10.616	NO
54	31	N-EtFOSA	526.1 > 168.9	8200.213	26712.342	1.00	6.16	46.047	52.4	104.8	NO	1.387	NO
55	32	PFHxDA	813.1 > 768.6	6695.199	5864.759	1.00	6.46	5.708	9.2	92.2	NO	23.284	NO
56	33	PFODA	913.1 > 868.8	9743.625	5864.759	1.00	6.69	8.307	9.0	90.2	NO		
57	34	N-MeFOSE	616.1 > 58.9	9120.044	27436.496	1.00	6.33	49.861	51.4	102.9	NO		
58	35	N-EtFOSE	630.1 > 58.9	10294.671	27695.746	1.00	6.48	55.756	48.7	97.3	NO		
59	55	13C2-PFTeDA	714.8 > 669.6	9115.952	16022.818	1.00	6.13	7.112	12.4	99.1	NO		
60	56	d5-N-ETFOSA	531.1 > 168.9	26712.342	16022.818	1.00	6.18	20.839	181.0	120.7	NO		
61	57	13C2-PFHxDA	815 > 769.7	5864.759	16022.818	1.00	6.46	4.575	5.2	104.0	NO		
62	57	13C2-PFHxDA	815 > 769.7	5864.759	16022.818	1.00	6.46	4.575	5.2	104.0	NO		
63	58	d7-N-MeFOSE	623.1 > 58.9	27436.496	16022.818	1.00	6.31	21.404	180.0	120.0	NO		
64	59	d9-N-EtFOSE	639.2 > 58.8	27695.746	16022.818	1.00	6.46	21.606	186.5	124.3	NO		
65	-1												
66	60	13C4-PFBA	217. > 171.8	8150.228	8150.228	1.00	1.32	12.500	12.5	100.0	NO		
67	61	13C5-PFHxA	318 > 272.9	11297.391	11297.391	1.00	3.11	12.500	12.5	100.0	NO		
68	62	13C3-PFHxS	401.9 > 79.9	2636.387	2636.387	1.00	3.88	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-86.qld

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Name: 180713M2_86, Date: 14-Jul-2018, Time: 07:11:31, ID: ST180713M2-15 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63	13C8-PFOA	421.3 > 376	11733.513	11733.513	1.00	4.25	12.500	12.5	100.0	NO		
70	64	13C9-PFNA	472.2 > 426.9	12705.979	12705.979	1.00	4.69	12.500	12.5	100.0	NO		
71	65	13C4-PFOS	503 > 79.9	3072.181	3072.181	1.00	4.77	12.500	12.5	100.0	NO		
72	66	13C6-PFDA	519.1 > 473.7	13406.854	13406.854	1.00	5.06	12.500	12.5	100.0	NO		
73	67	13C7-PFUdA	570.1 > 524.8	16022.818	16022.818	1.00	5.39	12.500	12.5	100.0	NO		

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
1	1	180713M2_1	IPA	13-Jul-18	16:22:10
2	2	180713M2_2	ST180713M2-1 PFC CS-2 18G0504	13-Jul-18	16:32:35
3	3	180713M2_3	ST180713M2-2 PFC CS-1 18G0505	13-Jul-18	16:43:04
4	4	180713M2_4	ST180713M2-3 PFC CS0 18G0506	13-Jul-18	16:53:30
5	5	180713M2_5	ST180713M2-4 PFC CS1 18G0507	13-Jul-18	17:04:00
6	6	180713M2_6	ST180713M2-5 PFC CS2 18G0508	13-Jul-18	17:14:24
7	7	180713M2_7	ST180713M2-6 PFC CS3 18G0509	13-Jul-18	17:24:55
8	8	180713M2_8	ST180713M2-7 PFC CS4 18G0510	13-Jul-18	17:35:19
9	9	180713M2_9	ST180713M2-8 PFC CS5 18G0511	13-Jul-18	17:45:50
10	10	180713M2_10	ST180713M2-9 PFC CS6 18G0512	13-Jul-18	17:56:15
11	11	180713M2_11	ST180713M2-10 PFC CS7 18G0513	13-Jul-18	18:06:45
12	12	180713M2_12	IPA	13-Jul-18	18:17:33
13	13	180713M2_13	ICV180713M2-1 PFC 537 ICV 18G0514	13-Jul-18	18:27:59
14	14	180713M2_14	B8F0196-BS1 OPR 1	13-Jul-18	18:38:29
15	15	180713M2_15	B8F0196-MS1 Matrix Spike 1.01	13-Jul-18	18:48:59
16	16	180713M2_16	B8F0196-MSD1 Matrix Spike Dup 1.01	13-Jul-18	18:59:24
17	17	180713M2_17	B8F0196-BLK1 Method Blank 1	13-Jul-18	19:09:54
18	18	180713M2_18	1801388-03 MCLPCH292 1.04	13-Jul-18	19:20:16
19	19	180713M2_19	1801388-04 MCLPCH298 1.01	13-Jul-18	19:30:46
20	20	180713M2_20	1801388-06 MCLPCH305 1.13	13-Jul-18	19:41:17
21	21	180713M2_21	1801388-07 MCLPCH306 1.35	13-Jul-18	19:51:47
22	22	180713M2_22	1801388-09 MCLPCH308 1.22	13-Jul-18	20:02:12
23	23	180713M2_23	1801388-10 MCLPCH309 1.32	13-Jul-18	20:12:43
24	24	180713M2_24	1801388-11 MCLPCH314 1.25	13-Jul-18	20:23:07
25	25	180713M2_25	1801388-12 MCLPCH315 1.36	13-Jul-18	20:33:37
26	26	180713M2_26	1801388-13 MCLPCH324 1.07	13-Jul-18	20:44:02
27	27	180713M2_27	1801388-14 MCLPCH323 1.43	13-Jul-18	20:54:32
28	28	180713M2_28	IPA	13-Jul-18	21:04:57
29	29	180713M2_29	ST180713M2-11 PFC CS3 18G0509	13-Jul-18	21:15:27
30	30	180713M2_30	1801388-15 MCLPCH320 1.1	13-Jul-18	21:25:52
31	31	180713M2_31	1801388-16 MCLPCH321 1.05	13-Jul-18	21:36:23
32	32	180713M2_32	1801388-17 MCLPCH392 1.05	13-Jul-18	21:46:47

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
33	33	180713M2_33	1801388-18 MCLPCH293 1.13	13-Jul-18	21:57:18
34	34	180713M2_34	1801388-19 MCLPCH294 1.2	13-Jul-18	22:07:42
35	35	180713M2_35	B8G0003-BS1 OPR 0.125	13-Jul-18	22:18:13
36	36	180713M2_36	B8G0003-MS1 Matrix Spike 0.11902	13-Jul-18	22:28:37
37	37	180713M2_37	B8G0003-MSD1 Matrix Spike Dup 0.117...	13-Jul-18	22:39:08
38	38	180713M2_38	B8G0003-BLK1 Method Blank 0.125	13-Jul-18	22:49:32
39	39	180713M2_39	1801167-01RE1 REEPDW1118FRB 0.1...	13-Jul-18	23:00:03
40	40	180713M2_40	1801167-02RE1 REEPDW1113FRB 0.1...	13-Jul-18	23:10:25
41	41	180713M2_41	1801167-05RE1 REEPDW1117FRB 0.1...	13-Jul-18	23:20:55
42	42	180713M2_42	1801490-01 REEPDW1180 0.11671	13-Jul-18	23:31:20
43	43	180713M2_43	1801490-02 REEPDW567 0.11621	13-Jul-18	23:41:50
44	44	180713M2_44	1801490-03 REEPDW1181 0.11605	13-Jul-18	23:52:15
45	45	180713M2_45	1801490-04 REEPDW1182 0.11959	14-Jul-18	00:02:45
46	46	180713M2_46	1801490-05 REEPDW1183 0.11851	14-Jul-18	00:13:10
47	47	180713M2_47	IPA	14-Jul-18	00:23:41
48	48	180713M2_48	ST180713M2-12 PFC CS3 18G0509	14-Jul-18	00:34:05
49	49	180713M2_49	1801490-06 REEPDW1184 0.11562	14-Jul-18	00:44:36
50	50	180713M2_50	1801490-07 REEPDW1185 0.11546	14-Jul-18	00:55:00
51	51	180713M2_51	1801491-01 REEPDW1180FRB 0.11925	14-Jul-18	01:05:31
52	52	180713M2_52	1801491-02 REEPDW1181FRB 0.11884	14-Jul-18	01:15:56
53	53	180713M2_53	1801491-03 REEPDW1182FRB 0.11814	14-Jul-18	01:26:27
54	54	180713M2_54	1801491-04 REEPDW1183FRB 0.11809	14-Jul-18	01:36:52
55	55	180713M2_55	1801491-05 REEPDW1184FRB 0.11912	14-Jul-18	01:47:14
56	56	180713M2_56	1801491-06 REEPDW1185FRB 0.11729	14-Jul-18	01:57:44
57	57	180713M2_57	B8G0006-BS1 OPR 0.25	14-Jul-18	02:08:09
58	58	180713M2_58	B8G0006-MS1 Matrix Spike 0.24814	14-Jul-18	02:18:39
59	59	180713M2_59	B8G0006-MSD1 Matrix Spike Dup 0.247...	14-Jul-18	02:29:04
60	60	180713M2_60	B8G0006-BLK1 Method Blank 0.25	14-Jul-18	02:39:35
61	61	180713M2_61	1801486-01 FT-SW10-20180626 0.24705	14-Jul-18	02:49:59
62	62	180713M2_62	1801486-02 FT-SW12-20180626 0.24374	14-Jul-18	03:00:30
63	63	180713M2_63	1801486-03 FT-SW13-20180626 0.25801	14-Jul-18	03:10:54
64	64	180713M2_64	1801486-04 SW-DP01-20180626 0.243...	14-Jul-18	03:21:24
65	65	180713M2_65	1801486-05 SW-DP02-20180626 0.239...	14-Jul-18	03:31:49
66	66	180713M2_66	1801486-06 SA-SW201-20180626 0.25...	14-Jul-18	03:42:19
67	67	180713M2_67	1801486-07 SA-SW201-FRB-20180626...	14-Jul-18	03:52:44
68	68	180713M2_68	1801486-08 SA-SW204-20180626 0.24...	14-Jul-18	04:03:15

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
69	69	180713M2_69	1801486-09 SA-SW301-20180626 0.25...	14-Jul-18	04:13:39
70	70	180713M2_70	IPA	14-Jul-18	04:24:09
71	71	180713M2_71	ST180713M2-13 PFC CS3 18G0509	14-Jul-18	04:34:34
72	72	180713M2_72	ST180713M2-14 PFC CS0 18G0506	14-Jul-18	04:45:05
73	73	180713M2_73	1801486-10 SA-DUP01-20180626 0.246	14-Jul-18	04:55:30
74	74	180713M2_74	1801486-11 CA-AQIDW01-20180626 0....	14-Jul-18	05:06:00
75	75	180713M2_75	1801501-09 MCLPCH428 0.11948	14-Jul-18	05:16:26
76	76	180713M2_76	1801502-06 MCLPCB410 0.11585	14-Jul-18	05:26:56
77	77	180713M2_77	1801502-13 MCLPCD419 0.1208	14-Jul-18	05:37:21
78	78	180713M2_78	1801385-01@5X B-5-GW 0.2557	14-Jul-18	05:47:51
79	79	180713M2_79	1801385-02@5X B-5-GW DUP 0.25193	14-Jul-18	05:58:16
80	80	180713M2_80	1801385-03 B-6-GW 0.25052	14-Jul-18	06:08:46
81	81	180713M2_81	B8G0042-BS1 OPR 1	14-Jul-18	06:19:11
82	82	180713M2_82	B8G0042-BLK1 Method Blank 1	14-Jul-18	06:29:41
83	83	180713M2_83	1801266-04RE1 TP-1 1.12	14-Jul-18	06:40:06
84	84	180713M2_84	1801266-06RE1 TP-3 1.11	14-Jul-18	06:50:36
85	85	180713M2_85	IPA	14-Jul-18	07:01:06
86	86	180713M2_86	ST180713M2-15 PFC CS3 18G0509	14-Jul-18	07:11:31
87	87	180713M2_87	1801278-01RE1 HS-SB-224- (8-10) 1.12	14-Jul-18	07:22:02
88	88	180713M2_88	1801278-02RE1 HS-SB-129- (7-8) 1.1	14-Jul-18	07:32:26
89	89	180713M2_89	1801351-01RE1 HS-SB-118- (7-8)- EPA...	14-Jul-18	07:42:56
90	90	180713M2_90	1801366-10RE1 PGW-1 (2-4) 1.13	14-Jul-18	07:53:22
91	91	180713M2_91	1801366-11RE1 PGW-2 (1-1.5) 1.04	14-Jul-18	08:03:52
92	92	180713M2_92	1801366-12RE1 PGW-3 (1-2) 1.05	14-Jul-18	08:14:17
93	93	180713M2_93	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	14-Jul-18	08:24:48
94	94	180713M2_94	B8G0001-BS1 OPR 0.125	14-Jul-18	08:35:13
95	95	180713M2_95	B8G0001-BLK1 Method Blank 0.125	14-Jul-18	08:45:43
96	96	180713M2_96	1801494-01 Field Blank 0.11836	14-Jul-18	08:56:08
97	97	180713M2_97	1801494-02 Equip Blank 0.11849	14-Jul-18	09:06:38
98	98	180713M2_98	1801494-03 DW 0.11381	14-Jul-18	09:17:02
99	99	180713M2_99	1801494-04 MW-4 0.11665	14-Jul-18	09:29:42
100	1...	180713M2_100	1801494-05 MW-2 0.11525	14-Jul-18	09:40:07
101	1...	180713M2_101	IPA	14-Jul-18	09:50:37
102	1...	180713M2_102	ST180713M2-16 PFC CS3 18G0509	14-Jul-18	10:01:02
103	1...	180713M2_103	1801494-06 MW-1 0.11893	14-Jul-18	10:11:32
104	1...	180713M2_104	1801495-01 MW-5 0.11744	14-Jul-18	10:21:58

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, July 15, 2018 13:54:37 Pacific Daylight Time
Printed: Sunday, July 15, 2018 13:54:47 Pacific Daylight Time

Compound name: PFBA

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105	1...	180713M2_105	1801495-02 MW-102 0.11321	14-Jul-18	10:32:28
106	1...	180713M2_106	1801495-03 MW-2 0.11609	14-Jul-18	10:42:53
107	1...	180713M2_107	1801495-04 MW-3R 0.11651	14-Jul-18	10:53:24
108	1...	180713M2_108	1801497-01 Raw Water 0.11411	14-Jul-18	11:03:46
109	1...	180713M2_109	1801497-02 Finished Water 0.11702	14-Jul-18	11:14:17
110	1...	180713M2_110	1801498-01 BAR SINK /001 0.11897	14-Jul-18	11:24:41
111	1...	180713M2_111	IPA	14-Jul-18	11:35:11
112	1...	180713M2_112	ST180713M2-17 PFC CS3 18G0509	14-Jul-18	11:45:36
113	1...	180713M2_113	QC_180711_DT10	14-Jul-18	11:56:07
114	1...	180713M2_114	QC_180711_DT11	14-Jul-18	12:06:31
115	1...	180713M2_115	QC_180711_DT12	14-Jul-18	12:17:01
116	1...	180713M2_116	QC_180711_DT13	14-Jul-18	12:27:32
117	1...	180713M2_117	QC_180711_DT14	14-Jul-18	12:37:56
118	1...	180713M2_118	QC_180711_DT15	14-Jul-18	12:48:26
119	1...	180713M2_119	QC_180711_QC200	14-Jul-18	12:58:50
120	1...	180713M2_120	QC_180711_QC225	14-Jul-18	13:09:20
121	1...	180713M2_121	QC_180711_QC250	14-Jul-18	13:19:45

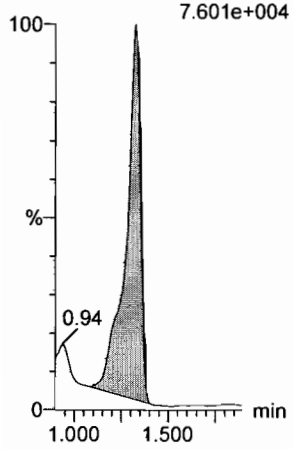
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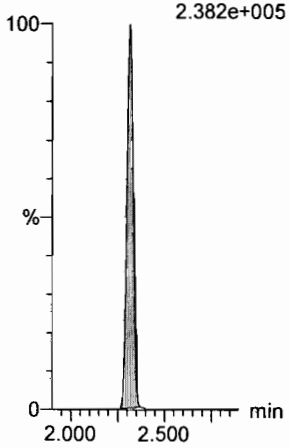
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Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

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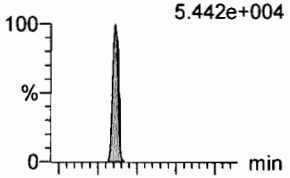
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
7.601e+004



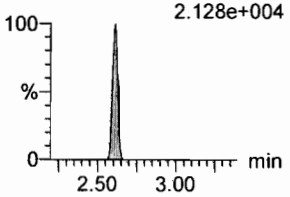
PFPeA
F5:MRM of 1 channel,ES-
263.1 > 218.9
2.382e+005



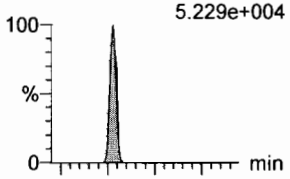
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
5.442e+004



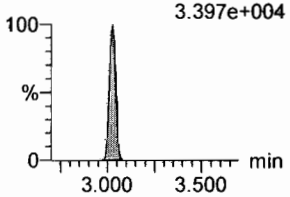
F7:MRM of 2 channels,ES-
299.0 > 99.0
2.128e+004



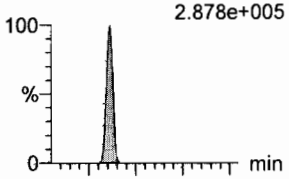
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
5.229e+004



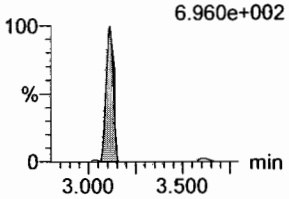
F12:MRM of 2 channels,ES-
327.2 > 81.1
3.397e+004



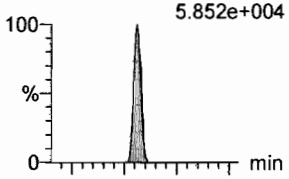
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
2.878e+005



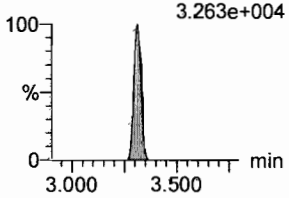
F9:MRM of 2 channels,ES-
313.2 > 119
6.960e+002



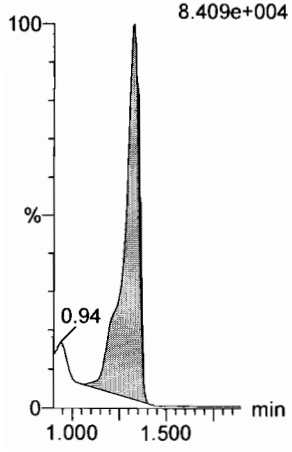
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
5.852e+004



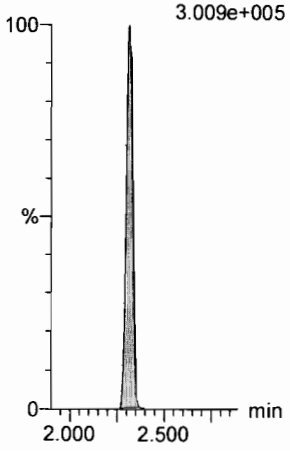
F15:MRM of 2 channels,ES-
349.1 > 99
3.263e+004



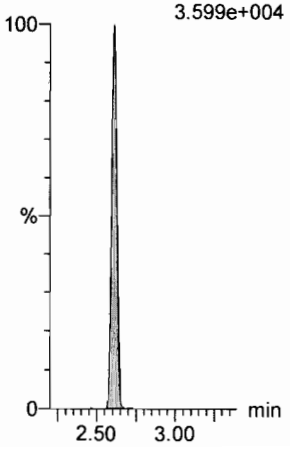
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
8.409e+004



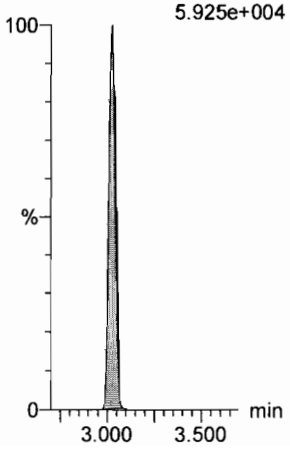
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
3.009e+005



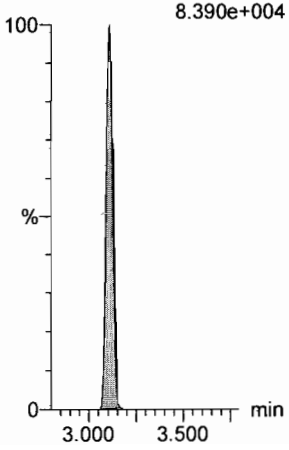
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.599e+004



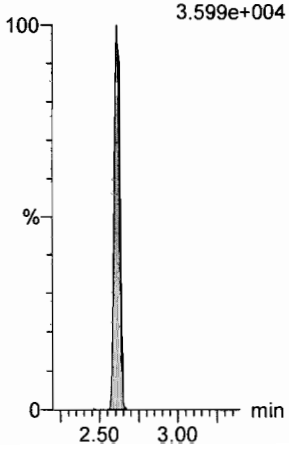
13C2-4:2 FTS
F13:MRM of 1 channel,ES-
329.2 > 308.9
5.925e+004



13C2-PFHxA
F10:MRM of 1 channel,ES-
315 > 269.8
8.390e+004



13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.599e+004

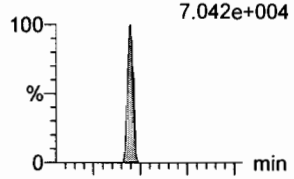


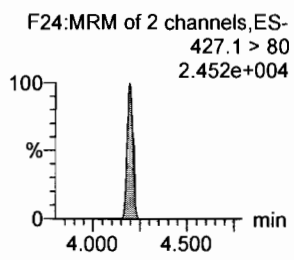
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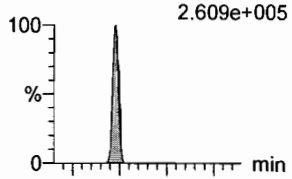
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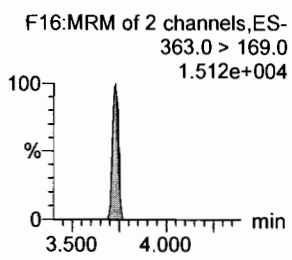
6:2 FTS



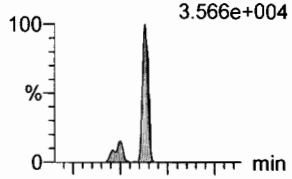


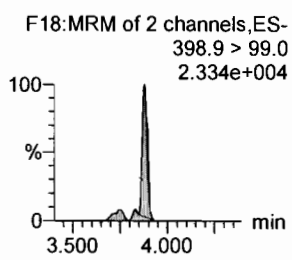
PFHpA



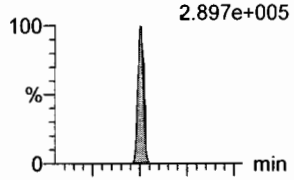


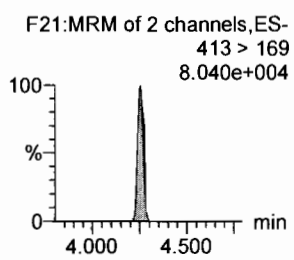
L-PFHxS



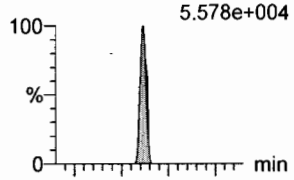


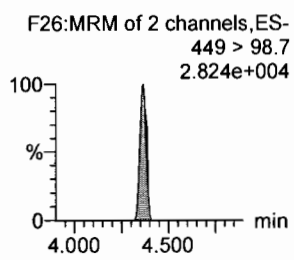
L-PFOA



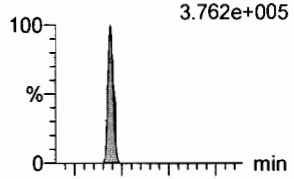


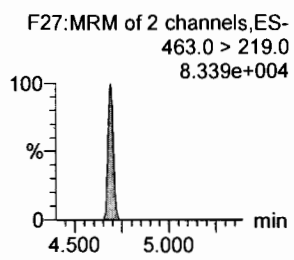
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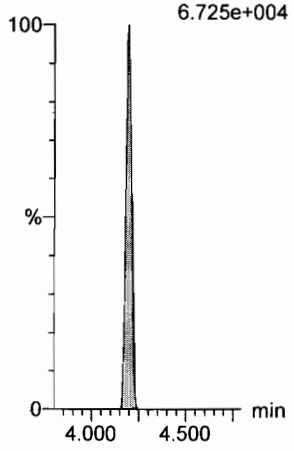


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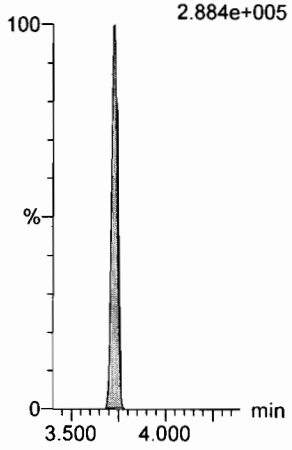




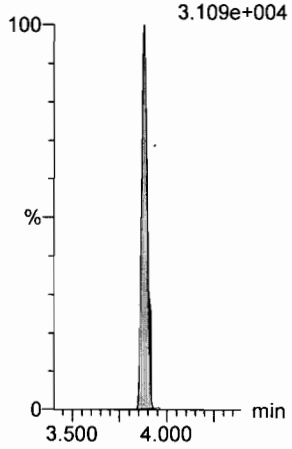
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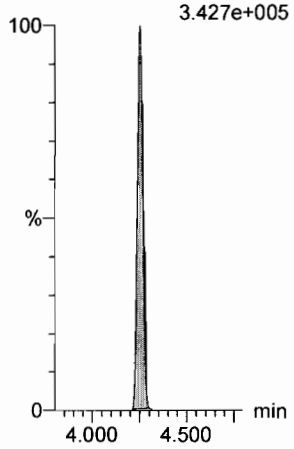
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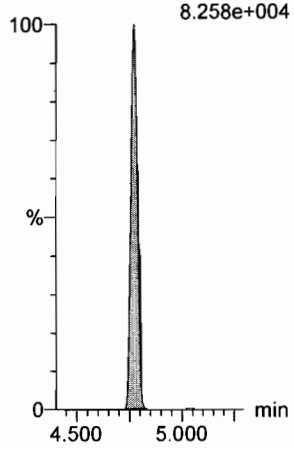
18O2-PFHxS



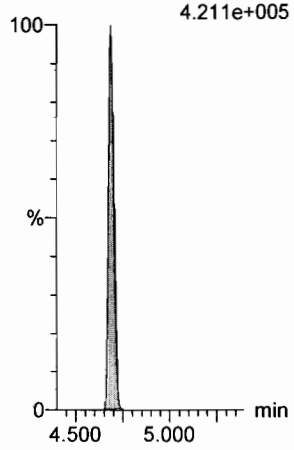
13C2-PFOA



13C8-PFOS



13C5-PFNA

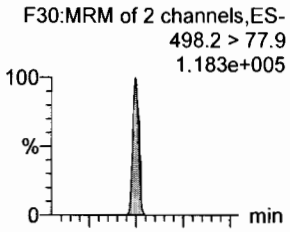


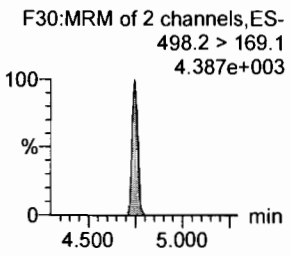
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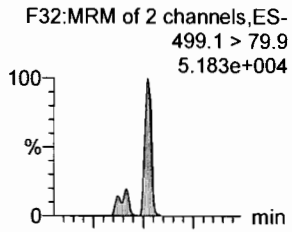
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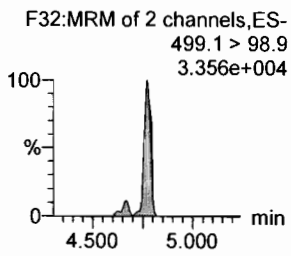
PFOSA



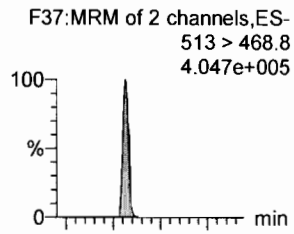


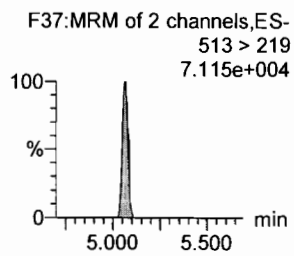
L-PFOS



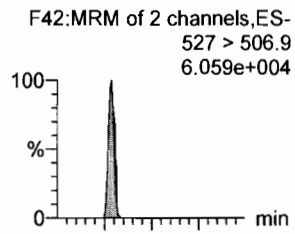


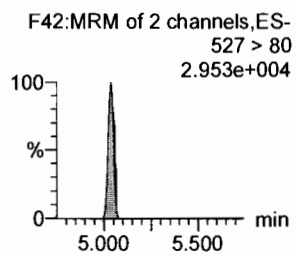
PFDA



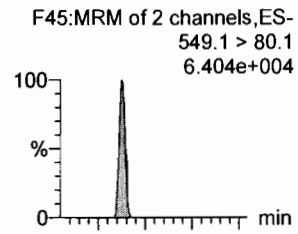


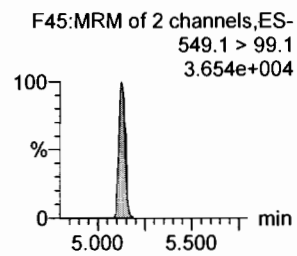
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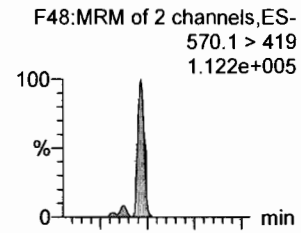


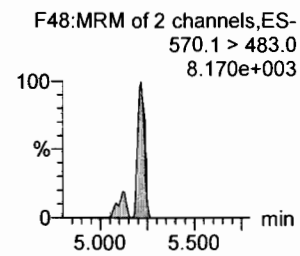
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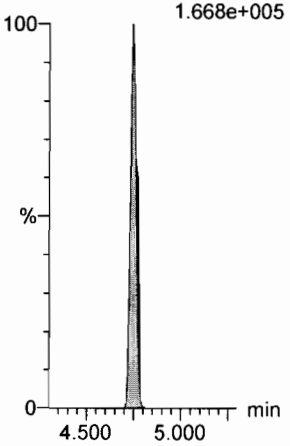


L-MeFOSAA

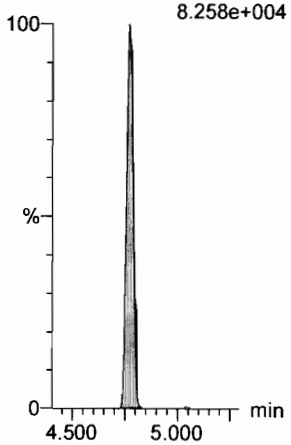




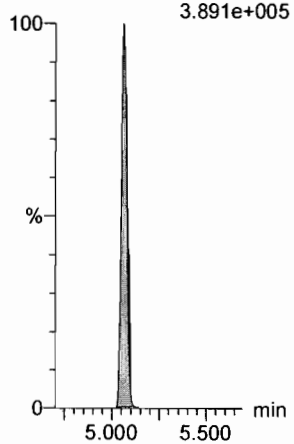
13C8-PFOSA



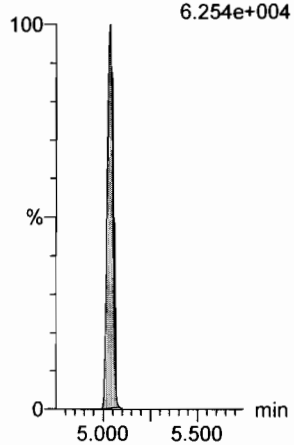
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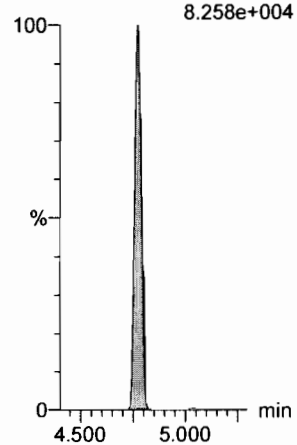
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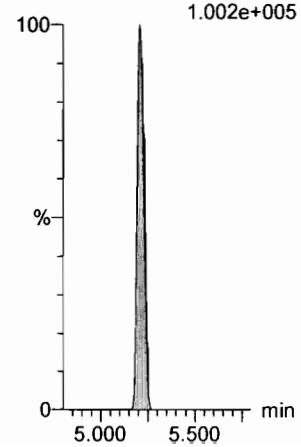
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

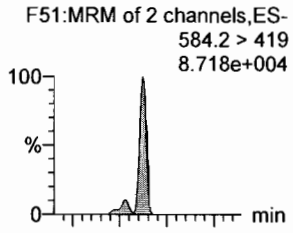


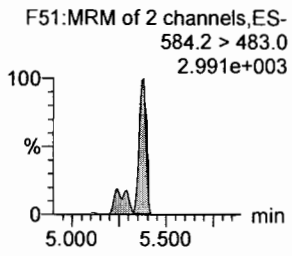
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Printed: Sunday, July 15, 2018 10:07:05 Pacific Daylight Time

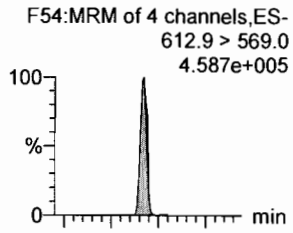
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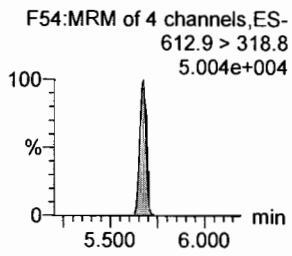
L-EtFOSAA



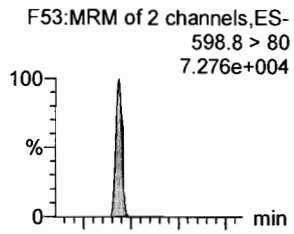


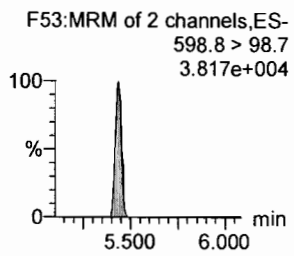
PFDoA



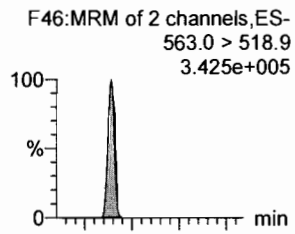


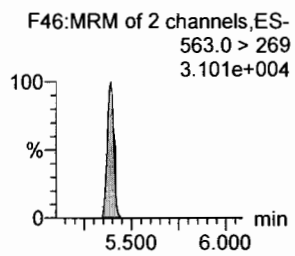
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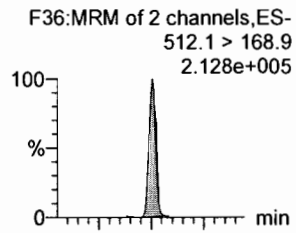


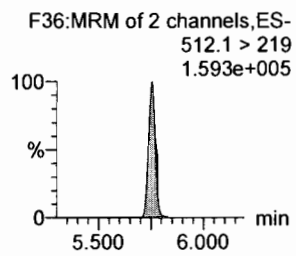
PFUdA



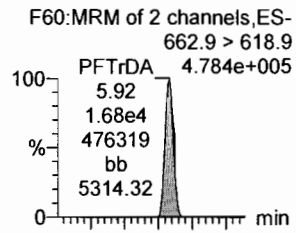


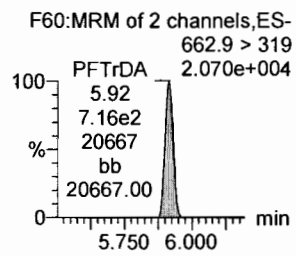
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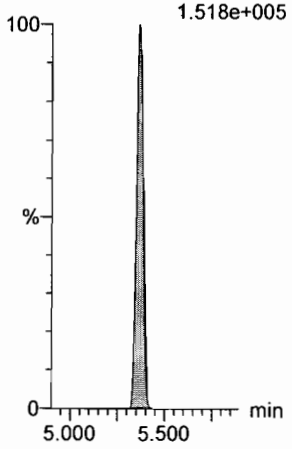


PFTrDA

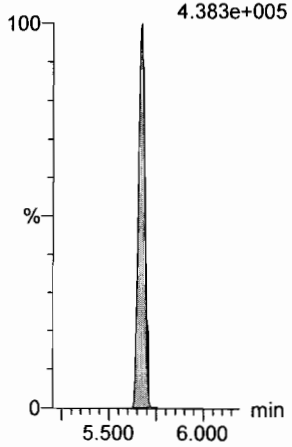




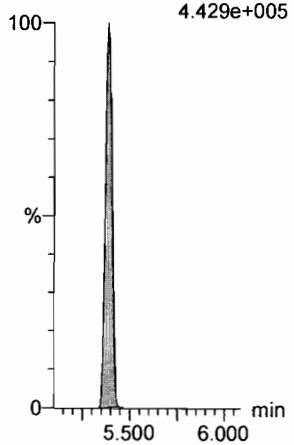
d5-N-EtFOSAA



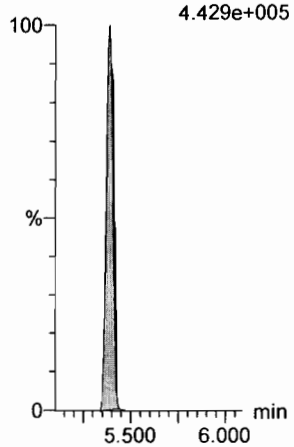
13C2-PFDoA



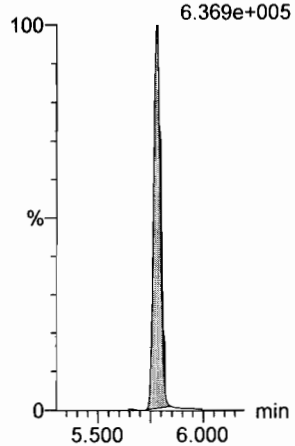
13C2-PFUdA



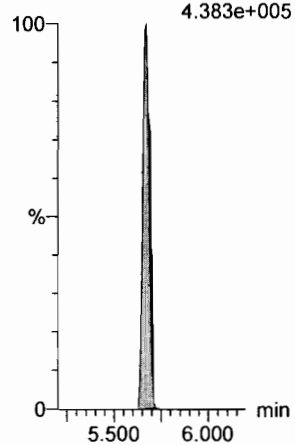
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

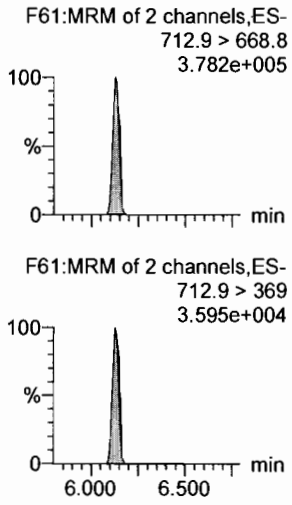


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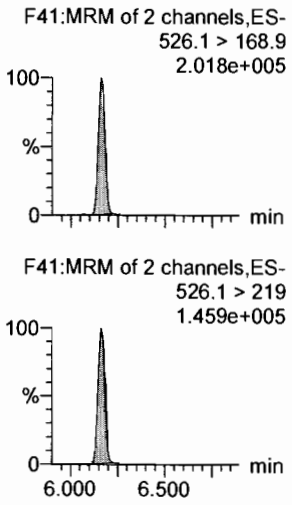
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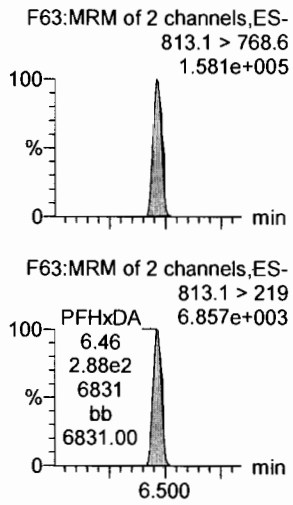
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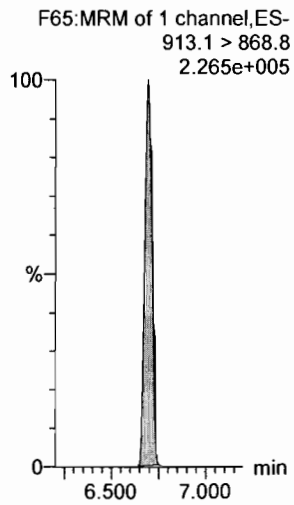
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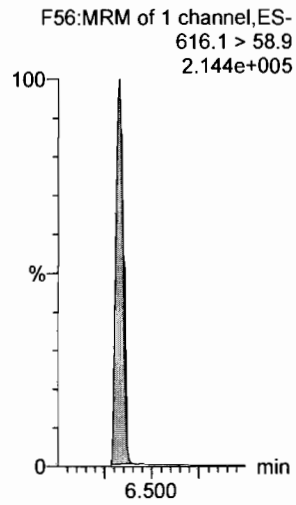
PFHxDA



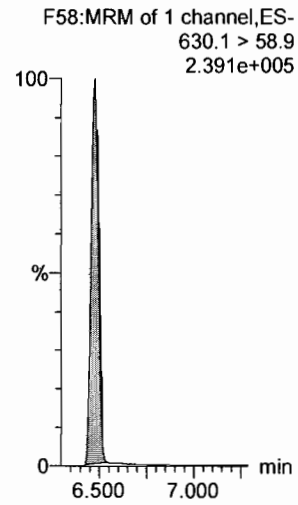
PFODA



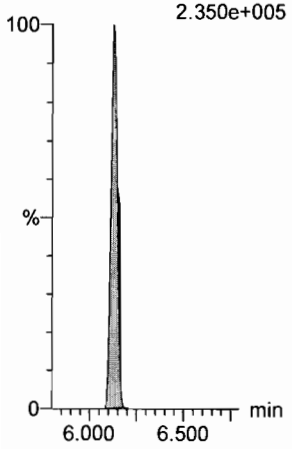
N-MeFOSE



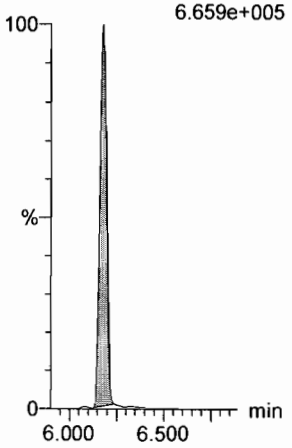
N-EtFOSE



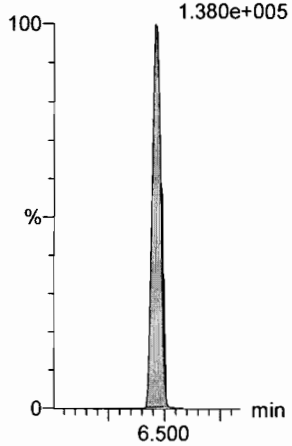
13C2-PFTeDA



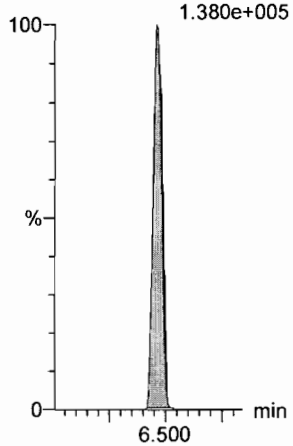
d5-N-ETFOSA



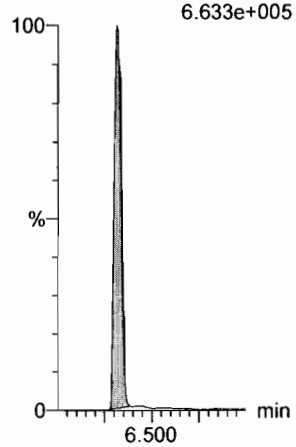
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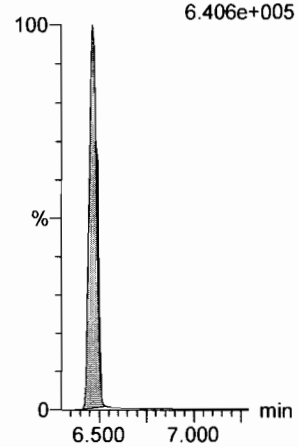
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d7-N-MeFOSE



d9-N-EtFOSE

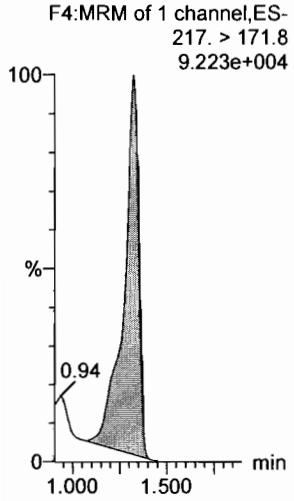


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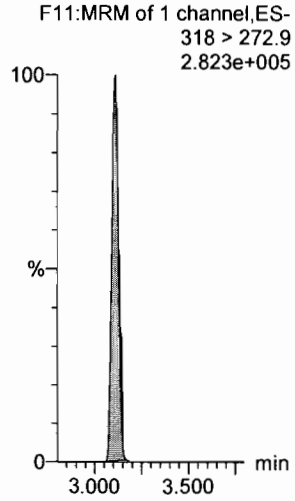
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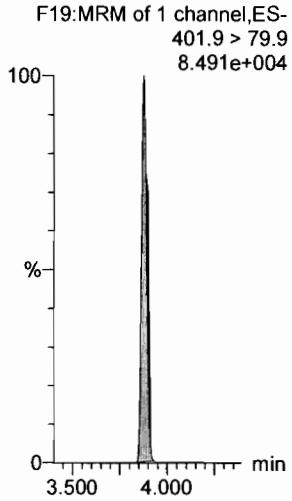
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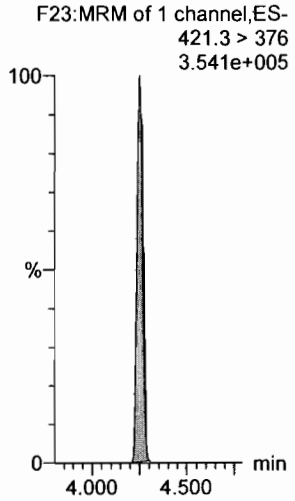
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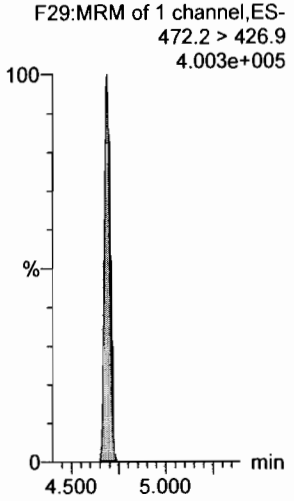
13C3-PFHxS



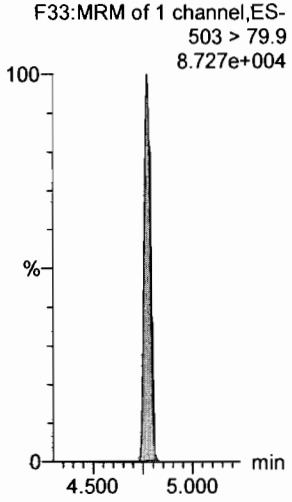
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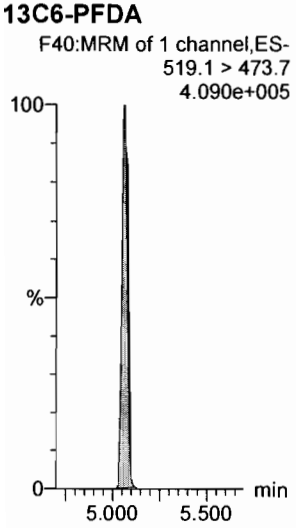
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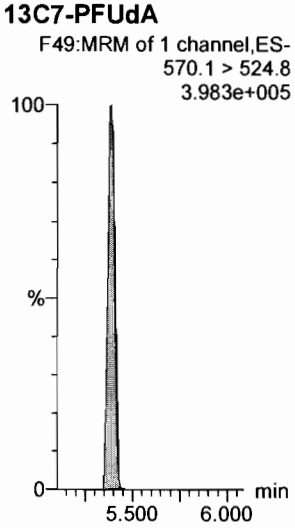
13C4-PFOS



13C6-PFDA



13C7-PFUdA



INITIAL CALIBRATION (ICAL)

INCLUDING ASSOCIATED

INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)

Quantify Compound Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:23:26 Pacific Daylight Time

low pt / high pt

PFPeS 0.5 — 4:2FTS 50
PFHxS — 6:2FTS 100
PFOSA — 8:2FTS 50
PFOS — EtFOSAA 100
MeFOSAA — PFHxDA 250
MeFOSE 1250

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFBA
Correlation coefficient: r = 0.999955, r^2 = 0.999910
Calibration curve: 1.16251 * x + -0.0451921
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

VBF 7/14/18

CCB 7/14/18

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180713M2_2	Standard	0.250	1.35	158.930	7908.634	0.251	0.3	2.0	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	1.35	346.649	7697.999	0.563	0.5	4.6	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	1.34	629.890	7855.050	1.002	0.9	-9.9	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	1.34	1389.848	7889.140	2.202	1.9	-3.3	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	1.35	3424.810	7714.335	5.549	4.8	-3.7	NO	1.000	NO	MM
6	6	180713M2_7	Standard	10.000	1.34	6899.925	7673.867	11.239	9.7	-2.9	NO	1.000	NO	MM
7	7	180713M2_8	Standard	50.000	1.34	33805.090	7434.815	56.836	48.9	-2.1	NO	1.000	NO	MM
8	8	180713M2_9	Standard	100.000	1.35	62363.590	6775.695	115.050	99.0	-1.0	NO	1.000	NO	MM
9	9	180713M2_10	Standard	250.000	1.35	161290.656	6888.414	292.685	251.8	0.7	NO	1.000	NO	MM
10	10	180713M2_11	Standard	500.000	1.34	332224.906	7132.608	582.229	500.9	0.2	NO	1.000	NO	MM

Compound name: PFPeA
Coefficient of Determination: R^2 = 0.999967
Calibration curve: 2.39452e-007 * x^2 + 1.04805 * x + -0.0285583
Response type: Internal Std (Ref 37), 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	180713M2_2	Standard	0.250	2.35	197.084	9424.334	0.261	0.3	10.7	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	2.34	351.337	9301.735	0.472	0.5	-4.5	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	2.34	749.121	9271.572	1.010	1.0	-0.9	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	2.34	1603.160	9606.715	2.086	2.0	0.9	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	2.34	3768.421	9435.593	4.992	4.8	-4.2	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	2.34	7681.236	9426.865	10.185	9.7	-2.5	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	2.34	39021.313	9244.303	52.764	50.4	0.7	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	2.34	84502.711	10135.307	104.218	99.5	-0.5	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	2.34	194796.453	9253.947	263.126	251.1	0.4	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	2.34	322898.625	7708.989	523.575	499.5	-0.1	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Compound name: PFBS
Coefficient of Determination: R^2 = 0.999243
Calibration curve: 5.9754e-005 * x^2 + 1.98574 * x + -0.0268496
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	180713M2_2	Standard	0.250	2.65	42.400	1137.955	0.466	0.2	-0.8	NO	0.999	NO	MM
2	2	180713M2_3	Standard	0.500	2.64	82.519	1093.112	0.944	0.5	-2.3	NO	0.999	NO	bb
3	3	180713M2_4	Standard	1.000	2.64	196.001	1137.611	2.154	1.1	9.8	NO	0.999	NO	bb
4	4	180713M2_5	Standard	2.000	2.64	373.077	1185.013	3.935	2.0	-0.2	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	2.64	861.283	1138.417	9.457	4.8	-4.5	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	2.63	1765.575	1102.365	20.020	10.1	0.9	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	2.64	8941.753	1129.871	98.924	49.8	-0.5	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	2.64	19614.629	1302.746	188.205	94.5	-5.5	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	2.64	45426.363	1094.662	518.726	259.2	3.7	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	2.64	75329.984	940.941	1000.727	496.6	-0.7	NO	0.999	NO	bb

Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.991600
Calibration curve: -0.00509841 * x^2 + 1.00688 * x + 0.0504503
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	180713M2_2	Standard	0.250	3.06	58.782	2262.779	0.325	0.3	9.1	NO	0.992	NO	MM
2	2	180713M2_3	Standard	0.500	3.05	69.712	2139.083	0.407	0.4	-29.0	NO	0.992	NO	bb
3	3	180713M2_4	Standard	1.000	3.04	184.665	2129.083	1.084	1.0	3.2	NO	0.992	NO	bb
4	4	180713M2_5	Standard	2.000	3.04	471.305	2240.238	2.630	2.6	29.8	NO	0.992	NO	bb
5	5	180713M2_6	Standard	5.000	3.04	782.743	2333.146	4.194	4.2	-15.9	NO	0.992	NO	bb
6	6	180713M2_7	Standard	10.000	3.04	1639.845	2075.201	9.878	10.3	3.0	NO	0.992	NO	MM
7	7	180713M2_8	Standard	50.000	3.05	7124.409	2365.450	37.648	50.0	-0.0	NO	0.992	NO	MM
8	8	180713M2_9	Standard	100.000	3.04	19321.613	2985.455	80.899			NO	0.992	NO	bbXI
9	9	180713M2_10	Standard	250.000	3.04	43881.336	4478.799	122.470			NO	0.992	NO	bbXI
10	10	180713M2_11	Standard	500.000	3.04	68597.852	4942.526	173.489			NO	0.992	NO	bbXI

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Compound name: PFHxA
Coefficient of Determination: R^2 = 0.999773
Calibration curve: -0.000157569 * x^2 + 1.67566 * x + 0.00465615
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	180713M2_2	Standard	0.250	3.14	257.378	2834.617	0.454	0.3	7.3	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	3.13	424.417	2836.602	0.748	0.4	-11.3	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	3.13	998.273	2783.196	1.793	1.1	6.8	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	3.13	1867.601	2773.298	3.367	2.0	0.4	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	3.13	4785.106	2948.611	8.114	4.8	-3.2	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	3.13	9404.938	2727.608	17.240	10.3	3.0	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	3.13	46088.395	2777.131	82.978	49.7	-0.5	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	3.13	101300.359	3139.397	161.337	97.2	-2.8	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	3.13	232839.250	2793.825	416.703	254.8	1.9	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	3.13	379606.406	2385.688	795.591	498.1	-0.4	NO	1.000	NO	bb

Compound name: PFPeS
Coefficient of Determination: R^2 = 0.996948
Calibration curve: -3.93496e-005 * x^2 + 1.8276 * x + 0.0202429
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	180713M2_2	Standard	0.250	3.35	14.041	1137.955	0.154	0.1	-70.7	YES	0.997	NO	MMX
2	2	180713M2_3	Standard	0.500	3.34	84.403	1093.112	0.965	0.5	3.4	NO	0.997	NO	bb
3	3	180713M2_4	Standard	1.000	3.34	159.697	1137.611	1.755	0.9	-5.1	NO	0.997	NO	bb
4	4	180713M2_5	Standard	2.000	3.34	375.500	1185.013	3.961	2.2	7.8	NO	0.997	NO	bb
5	5	180713M2_6	Standard	5.000	3.34	792.463	1138.417	8.701	4.8	-5.0	NO	0.997	NO	bb
6	6	180713M2_7	Standard	10.000	3.34	1681.357	1102.365	19.065	10.4	4.2	NO	0.997	NO	bb
7	7	180713M2_8	Standard	50.000	3.34	8295.779	1129.871	91.778	50.3	0.5	NO	0.997	NO	bb
8	8	180713M2_9	Standard	100.000	3.34	16798.010	1302.746	161.179	88.3	-11.7	NO	0.997	NO	bb
9	9	180713M2_10	Standard	250.000	3.34	42602.488	1094.662	486.480	267.7	7.1	NO	0.997	NO	bb
10	10	180713M2_11	Standard	500.000	3.34	67157.367	940.941	892.157	493.4	-1.3	NO	0.997	NO	bb

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Compound name: PFHpA
Correlation coefficient: r = 0.999622, r^2 = 0.999245
Calibration curve: 1.14587 * x + -0.00381186
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 180713M2_2	Standard	0.250	3.76	163.554	7882.038	0.259	0.2	-8.1	NO	0.999	NO	MM
2	2 180713M2_3	Standard	0.500	3.75	367.722	7378.714	0.623	0.5	9.4	NO	0.999	NO	bb
3	3 180713M2_4	Standard	1.000	3.75	642.888	7848.158	1.024	0.9	-10.3	NO	0.999	NO	bb
4	4 180713M2_5	Standard	2.000	3.75	1519.526	7843.696	2.422	2.1	5.8	NO	0.999	NO	bb
5	5 180713M2_6	Standard	5.000	3.75	3727.290	7817.939	5.960	5.2	4.1	NO	0.999	NO	bb
6	6 180713M2_7	Standard	10.000	3.75	7291.120	7338.215	12.420	10.8	8.4	NO	0.999	NO	bb
7	7 180713M2_8	Standard	50.000	3.75	32450.922	7518.153	53.954	47.1	-5.8	NO	0.999	NO	bb
8	8 180713M2_9	Standard	100.000	3.75	70447.266	7979.707	110.354	96.3	-3.7	NO	0.999	NO	bb
9	9 180713M2_10	Standard	250.000	3.75	177314.109	7876.601	281.394	245.6	-1.8	NO	0.999	NO	bb
10	10 180713M2_11	Standard	500.000	3.75	308529.344	6600.139	584.324	509.9	2.0	NO	0.999	NO	bb

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.997173
Calibration curve: -3.32438e-005 * x^2 + 1.89654 * x + -0.113942
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 180713M2_2	Standard	0.250	3.91	36.967	756.736	0.611	0.4	52.8	YES	0.997	NO	MMX
2	2 180713M2_3	Standard	0.500	3.90	69.075	860.570	1.003	0.6	17.8	NO	0.997	NO	MM
3	3 180713M2_4	Standard	1.000	3.90	116.301	816.693	1.780	1.0	-0.1	NO	0.997	NO	MM
4	4 180713M2_5	Standard	2.000	3.90	259.361	961.815	3.371	1.8	-8.1	NO	0.997	NO	MM
5	5 180713M2_6	Standard	5.000	3.90	616.989	878.745	8.777	4.7	-6.2	NO	0.997	NO	MM
6	6 180713M2_7	Standard	10.000	3.90	1213.665	998.336	15.196	8.1	-19.3	NO	0.997	NO	MM
7	7 180713M2_8	Standard	50.000	3.90	6145.037	851.296	90.231	47.7	-4.6	NO	0.997	NO	MM
8	8 180713M2_9	Standard	100.000	3.90	13766.314	809.956	212.455	112.3	12.3	NO	0.997	NO	MM
9	9 180713M2_10	Standard	250.000	3.90	31621.689	875.892	451.278	239.0	-4.4	NO	0.997	NO	MM
10	10 180713M2_11	Standard	500.000	3.90	53752.117	710.218	946.050	503.3	0.7	NO	0.997	NO	MM

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Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.992640
Calibration curve: -0.00363281 * x^2 + 1.06986 * x + 0.0404678
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	180713M2_2	Standard	0.250	4.23	71.408	2307.357	0.387	0.3	29.6	NO	0.993	NO	bb
2	2	180713M2_3	Standard	0.500	4.21	74.831	1926.098	0.486	0.4	-16.7	NO	0.993	NO	bb
3	3	180713M2_4	Standard	1.000	4.22	161.533	2083.801	0.969	0.9	-13.0	NO	0.993	NO	bb
4	4	180713M2_5	Standard	2.000	4.22	358.135	2178.331	2.055	1.9	-5.2	NO	0.993	NO	bb
5	5	180713M2_6	Standard	5.000	4.21	928.408	1817.986	6.383	6.1	21.1	NO	0.993	NO	bb
6	6	180713M2_7	Standard	10.000	4.22	1472.289	2179.242	8.445	8.1	-19.2	NO	0.993	NO	bb
7	7	180713M2_8	Standard	50.000	4.22	8169.055	2201.936	46.374	52.8	5.5	NO	0.993	NO	bb
8	8	180713M2_9	Standard	100.000	4.22	18018.992	3223.241	69.879	97.7	-2.3	NO	0.993	NO	bb
9	9	180713M2_10	Standard	250.000	4.22	49108.285	4284.995	143.257			NO	0.993	NO	bbXI
10	10	180713M2_11	Standard	500.000	4.22	63666.223	5160.774	154.207			NO	0.993	NO	bbXI

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999570
Calibration curve: -0.000135637 * x^2 + 1.03679 * x + 0.0112548
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	180713M2_2	Standard	0.250	4.28	254.694	9599.336	0.332	0.3	23.6	NO	1.000	NO	MM
2	2	180713M2_3	Standard	0.500	4.27	344.040	8966.970	0.480	0.5	-9.7	NO	1.000	NO	MM
3	3	180713M2_4	Standard	1.000	4.27	736.145	9491.856	0.969	0.9	-7.6	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	4.27	1828.414	10257.139	2.228	2.1	6.9	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	4.27	3950.126	10031.416	4.922	4.7	-5.2	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	4.27	7863.274	10166.606	9.668	9.3	-6.7	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	4.27	37743.773	9248.792	51.012	49.5	-1.0	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	4.27	86730.578	10875.795	99.683	97.4	-2.6	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	4.27	207788.984	10082.170	257.619	257.1	2.8	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	4.27	337048.000	8747.272	481.647	496.8	-0.6	NO	1.000	NO	bb

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Compound name: PFHpS
Coefficient of Determination: R^2 = 0.999793
Calibration curve: 9.42702e-005 * x^2 + 0.797931 * x + 0.0186391
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	180713M2_2	Standard	0.250	4.39	60.165	2711.711	0.277	0.3	29.7	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	4.39	75.799	2613.904	0.362	0.4	-13.8	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	4.38	167.646	2832.045	0.740	0.9	-9.6	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	4.39	337.542	3069.275	1.375	1.7	-15.0	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	4.38	948.814	2701.124	4.391	5.5	9.5	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	4.38	1679.764	2659.894	7.894	9.9	-1.4	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	4.39	9425.586	2870.707	41.042	51.1	2.2	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	4.38	20042.135	3163.843	79.184	98.1	-1.9	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	4.39	48226.207	2920.754	206.395	251.2	0.5	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	4.39	77141.523	2283.505	422.276	499.7	-0.1	NO	1.000	NO	bb

Compound name: PFNA
Coefficient of Determination: R^2 = 0.998681
Calibration curve: -0.000100247 * x^2 + 1.1576 * x + -0.00514313
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	180713M2_2	Standard	0.250	4.72	214.745	9922.181	0.271	0.2	-4.7	NO	0.999	NO	MM
2	2	180713M2_3	Standard	0.500	4.71	479.572	9337.510	0.642	0.6	11.8	NO	0.999	NO	bb
3	3	180713M2_4	Standard	1.000	4.71	945.130	9996.146	1.182	1.0	2.5	NO	0.999	NO	bb
4	4	180713M2_5	Standard	2.000	4.71	1948.924	10558.536	2.307	2.0	-0.1	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	4.71	4463.317	9707.783	5.747	5.0	-0.6	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	4.71	9153.817	10632.364	10.762	9.3	-6.9	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	4.71	44785.441	9584.063	58.411	50.7	1.4	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	4.71	97036.656	11384.273	106.547	92.8	-7.2	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	4.71	241565.031	10190.485	296.312	261.9	4.8	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	4.71	386134.281	8796.210	548.723	495.3	-0.9	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
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Compound name: PFOSA
Coefficient of Determination: R^2 = 0.996978
Calibration curve: 0.000104019 * x^2 + 0.946348 * x + 0.123783
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 180713M2_2	Standard	0.250	4.78	68.310	4794.237	0.178	0.1	-77.0	YES	0.997	NO	bbX
2	2 180713M2_3	Standard	0.500	4.77	225.125	4790.805	0.587	0.5	-2.0	NO	0.997	NO	bb
3	3 180713M2_4	Standard	1.000	4.77	329.772	4890.473	0.843	0.8	-24.0	NO	0.997	NO	bb
4	4 180713M2_5	Standard	2.000	4.77	822.057	5253.447	1.956	1.9	-3.2	NO	0.997	NO	bb
5	5 180713M2_6	Standard	5.000	4.77	1891.463	4739.458	4.989	5.1	2.8	NO	0.997	NO	bb
6	6 180713M2_7	Standard	10.000	4.77	4035.431	4360.021	11.569	12.1	20.8	NO	0.997	NO	bb
7	7 180713M2_8	Standard	50.000	4.77	19052.482	4295.065	55.449	58.1	16.2	NO	0.997	NO	bb
8	8 180713M2_9	Standard	100.000	4.77	36514.367	5309.321	85.968	89.8	-10.2	NO	0.997	NO	bb
9	9 180713M2_10	Standard	250.000	4.77	89964.711	4657.183	241.468	248.3	-0.7	NO	0.997	NO	bb
10	10 180713M2_11	Standard	500.000	4.77	148102.328	3692.763	501.326	501.9	0.4	NO	0.997	NO	bb

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.999172
Calibration curve: 0.000233571 * x^2 + 0.836315 * x + 0.162777
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 180713M2_2	Standard	0.250	4.69	37.525	2711.711	0.173	0.0	-95.1	YES	0.999	NO	MMX
2	2 180713M2_3	Standard	0.500	4.79	116.046	2613.904	0.555	0.5	-6.2	NO	0.999	NO	MM
3	3 180713M2_4	Standard	1.000	4.79	194.569	2832.045	0.859	0.8	-16.8	NO	0.999	NO	MM
4	4 180713M2_5	Standard	2.000	4.79	431.873	3069.275	1.759	1.9	-4.6	NO	0.999	NO	MM
5	5 180713M2_6	Standard	5.000	4.79	982.778	2701.124	4.548	5.2	4.7	NO	0.999	NO	MM
6	6 180713M2_7	Standard	10.000	4.79	2191.545	2659.894	10.299	12.1	20.8	NO	0.999	NO	MM
7	7 180713M2_8	Standard	50.000	4.80	10160.666	2870.707	44.243	52.0	3.9	NO	0.999	NO	MM
8	8 180713M2_9	Standard	100.000	4.79	21943.402	3163.843	86.696	100.6	0.6	NO	0.999	NO	MM
9	9 180713M2_10	Standard	250.000	4.80	50604.938	2920.754	216.575	242.4	-3.1	NO	0.999	NO	MM
10	10 180713M2_11	Standard	500.000	4.80	87691.609	2283.505	480.027	503.1	0.6	NO	0.999	NO	MM

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Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Compound name: PFDA
Coefficient of Determination: R^2 = 0.999285
Calibration curve: -0.00016162 * x^2 + 1.28819 * x + 0.00361251
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 180713M2_2	Standard	0.250	5.09	334.382	10953.468	0.382	0.3	17.4	NO	0.999	NO	MM
2	2 180713M2_3	Standard	0.500	5.08	546.437	11445.301	0.597	0.5	-7.9	NO	0.999	NO	MM
3	3 180713M2_4	Standard	1.000	5.08	1146.678	11668.952	1.228	1.0	-4.9	NO	0.999	NO	MM
4	4 180713M2_5	Standard	2.000	5.08	2635.749	12108.976	2.721	2.1	5.5	NO	0.999	NO	bb
5	5 180713M2_6	Standard	5.000	5.08	5211.545	10323.984	6.310	4.9	-2.0	NO	0.999	NO	bb
6	6 180713M2_7	Standard	10.000	5.08	11569.801	11708.584	12.352	9.6	-4.0	NO	0.999	NO	bb
7	7 180713M2_8	Standard	50.000	5.08	55113.559	11192.241	61.553	48.1	-3.9	NO	0.999	NO	bb
8	8 180713M2_9	Standard	100.000	5.08	116050.930	11782.880	123.114	96.7	-3.3	NO	0.999	NO	bb
9	9 180713M2_10	Standard	250.000	5.08	284440.500	10973.018	324.023	260.0	4.0	NO	0.999	NO	bb
10	10 180713M2_11	Standard	500.000	5.09	459940.219	9602.422	598.729	495.6	-0.9	NO	0.999	NO	bb

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.997393
Calibration curve: -0.00656968 * x^2 + 1.5864 * x + -0.215909
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 180713M2_2	Standard	0.250	5.06	22.587	1907.386	0.148	0.2	-8.1	NO	0.997	NO	MM
2	2 180713M2_3	Standard	0.500	5.05	80.854	1763.837	0.573	0.5	-0.3	NO	0.997	NO	bb
3	3 180713M2_4	Standard	1.000	5.06	181.276	1780.577	1.273	0.9	-5.8	NO	0.997	NO	bb
4	4 180713M2_5	Standard	2.000	5.06	505.253	1755.932	3.597	2.4	21.4	NO	0.997	NO	bb
5	5 180713M2_6	Standard	5.000	5.05	1147.260	2033.900	7.051	4.7	-6.6	NO	0.997	NO	bb
6	6 180713M2_7	Standard	10.000	5.05	2126.688	1782.862	14.911	9.9	-0.6	NO	0.997	NO	bb
7	7 180713M2_8	Standard	50.000	5.06	9732.908	1939.709	62.721	50.0	0.1	NO	0.997	NO	bb
8	8 180713M2_9	Standard	100.000	5.05	23178.100	3216.831	90.066	91.8	-8.2	NO	0.997	NO	bbX
9	9 180713M2_10	Standard	250.000	5.06	51137.152	3627.645	176.206			NO	0.997	NO	bbXl
10	10 180713M2_11	Standard	500.000	5.06	85011.297	5059.648	210.023			NO	0.997	NO	bbXl

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
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Compound name: PFNS
Coefficient of Determination: R^2 = 0.999190
Calibration curve: 0.00010378 * x^2 + 0.810942 * x + 0.070685
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	180713M2_2	Standard	0.250	5.15	60.163	2711.711	0.277	0.3	1.9	NO	0.999	NO	MM
2	2	180713M2_3	Standard	0.500	5.15	89.341	2613.904	0.427	0.4	-12.1	NO	0.999	NO	bb
3	3	180713M2_4	Standard	1.000	5.15	179.103	2832.045	0.791	0.9	-11.2	NO	0.999	NO	bb
4	4	180713M2_5	Standard	2.000	5.15	416.921	3069.275	1.698	2.0	0.3	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	5.15	936.314	2701.124	4.333	5.3	5.0	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	5.15	1951.505	2659.894	9.171	11.2	12.1	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	5.15	9891.539	2870.707	43.071	52.7	5.3	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	5.15	21154.201	3163.843	83.578	101.7	1.7	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	5.15	46983.930	2920.754	201.078	240.5	-3.8	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	5.15	79480.297	2283.505	435.078	503.9	0.8	NO	0.999	NO	bb

Compound name: L-MeFOSAA
Coefficient of Determination: R^2 = 0.999760
Calibration curve: 0.000455852 * x^2 + 1.06163 * x + 0.0107949
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	180713M2_2	Standard	0.250	5.24	94.704	3205.290	0.369	0.3	35.1	YES	1.000	NO	MMX
2	2	180713M2_3	Standard	0.500	5.23	95.046	3045.261	0.390	0.4	-28.5	NO	1.000	NO	MM
3	3	180713M2_4	Standard	1.000	5.23	367.294	4059.675	1.131	1.1	5.5	NO	1.000	NO	MM
4	4	180713M2_5	Standard	2.000	5.23	828.811	4303.040	2.408	2.3	12.8	NO	1.000	NO	MM
5	5	180713M2_6	Standard	5.000	5.23	1726.323	3654.881	5.904	5.5	10.8	NO	1.000	NO	MM
6	6	180713M2_7	Standard	10.000	5.23	3712.906	4183.393	11.094	10.4	3.9	NO	1.000	NO	MM
7	7	180713M2_8	Standard	50.000	5.23	19091.385	4575.552	52.156	48.1	-3.8	NO	1.000	NO	MM
8	8	180713M2_9	Standard	100.000	5.23	45472.465	5030.708	112.987	102.0	2.0	NO	1.000	NO	MM
9	9	180713M2_10	Standard	250.000	5.23	103436.625	4432.137	291.723	248.3	-0.7	NO	1.000	NO	MM
10	10	180713M2_11	Standard	500.000	5.23	180412.984	3492.988	645.626	500.6	0.1	NO	1.000	NO	MM

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Compound name: L-EtFOSAA
Coefficient of Determination: R^2 = 0.992175
Calibration curve: -0.00242935 * x^2 + 0.940875 * x + -0.0726806
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	180713M2_2	Standard	0.250	5.40	52.945	4037.900	0.164	0.3	0.6	NO	0.992	NO	MM
2	2	180713M2_3	Standard	0.500	5.39	139.740	4034.384	0.433	0.5	7.6	NO	0.992	NO	MM
3	3	180713M2_4	Standard	1.000	5.40	260.353	3796.835	0.857	1.0	-0.9	NO	0.992	NO	MM
4	4	180713M2_5	Standard	2.000	5.40	611.557	5112.152	1.495	1.7	-16.3	NO	0.992	NO	MM
5	5	180713M2_6	Standard	5.000	5.39	1580.827	5119.928	3.859	4.2	-15.5	NO	0.992	NO	MM
6	6	180713M2_7	Standard	10.000	5.39	2896.588	4651.525	7.784	8.5	-14.6	NO	0.992	NO	MM
7	7	180713M2_8	Standard	50.000	5.40	15696.923	4346.287	45.145	56.2	12.4	NO	0.992	NO	MM
8	8	180713M2_9	Standard	100.000	5.39	27245.889	5025.404	67.770	95.8	-4.2	NO	0.992	NO	MM
9	9	180713M2_10	Standard	250.000	5.40	81516.180	4427.707	230.131			NO	0.992	NO	MMXI
10	10	180713M2_11	Standard	500.000	5.40	133038.141	2950.787	563.571			NO	0.992	NO	MMXI

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Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFUdA
Coefficient of Determination: R^2 = 0.999274
Calibration curve: -0.000244303 * x^2 + 1.06937 * x + 0.0299947
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	180713M2_2	Standard	0.250	5.41	357.694	13781.687	0.324	0.3	10.1	NO	0.999	NO	bb
2	2	180713M2_3	Standard	0.500	5.41	672.495	14078.919	0.597	0.5	6.1	NO	0.999	NO	bb
3	3	180713M2_4	Standard	1.000	5.41	1241.035	15064.172	1.030	0.9	-6.5	NO	0.999	NO	bb
4	4	180713M2_5	Standard	2.000	5.41	2359.451	13739.225	2.147	2.0	-1.0	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	5.41	6236.337	13965.907	5.582	5.2	4.0	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	5.41	11192.652	14368.988	9.737	9.1	-9.0	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	5.41	53667.262	13772.092	48.710	46.0	-8.0	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	5.41	120879.430	14005.803	107.883	103.3	3.3	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	5.41	291827.875	14261.752	255.778	253.9	1.6	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	5.41	461564.063	12234.892	471.565	497.5	-0.5	NO	0.999	NO	bb

Compound name: PFDS
Coefficient of Determination: R^2 = 0.998098
Calibration curve: 7.36629e-006 * x^2 + 0.195558 * x + -0.00456631
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	180713M2_2	Standard	0.250	5.46	35.707	13781.687	0.032	0.2	-24.4	NO	0.998	NO	MM
2	2	180713M2_3	Standard	0.500	5.45	102.981	14078.919	0.091	0.5	-1.8	NO	0.998	NO	bb
3	3	180713M2_4	Standard	1.000	5.45	264.886	15064.172	0.220	1.1	14.7	NO	0.998	NO	bb
4	4	180713M2_5	Standard	2.000	5.45	453.887	13739.225	0.413	2.1	6.7	NO	0.998	NO	bb
5	5	180713M2_6	Standard	5.000	5.45	1009.641	13965.907	0.904	4.6	-7.1	NO	0.998	NO	bb
6	6	180713M2_7	Standard	10.000	5.45	2378.414	14368.988	2.069	10.6	6.0	NO	0.998	NO	bb
7	7	180713M2_8	Standard	50.000	5.46	11195.841	13772.092	10.162	51.9	3.8	NO	0.998	NO	bb
8	8	180713M2_9	Standard	100.000	5.45	23564.881	14005.803	21.031	107.1	7.1	NO	0.998	NO	bb
9	9	180713M2_10	Standard	250.000	5.45	52773.969	14261.752	46.255	234.5	-6.2	NO	0.998	NO	bb
10	10	180713M2_11	Standard	500.000	5.46	98702.648	12234.892	100.841	506.0	1.2	NO	0.998	NO	bb

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Compound name: PFDoA
Coefficient of Determination: R^2 = 0.998812
Calibration curve: -0.000548085 * x^2 + 1.40193 * x + -0.132588
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	180713M2_2	Standard	0.250	5.70	283.409	12955.929	0.273	0.3	15.9	NO	0.999	NO	bb
2	2	180713M2_3	Standard	0.500	5.69	738.716	15023.410	0.615	0.5	6.6	NO	0.999	NO	bb
3	3	180713M2_4	Standard	1.000	5.69	1535.562	14081.300	1.363	1.1	6.7	NO	0.999	NO	bb
4	4	180713M2_5	Standard	2.000	5.69	2966.006	15414.208	2.405	1.8	-9.4	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	5.69	6720.305	14385.663	5.839	4.3	-14.7	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	5.69	14514.063	13413.349	13.526	9.8	-2.2	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	5.69	74810.258	13967.373	66.951	48.8	-2.4	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	5.69	145629.094	14111.596	128.998	95.7	-4.3	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	5.69	361386.938	13658.199	330.742	263.1	5.2	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	5.70	577306.875	12937.527	557.783	493.0	-1.4	NO	0.999	NO	bb

Compound name: N-MeFOSA
Coefficient of Determination: R^2 = 0.999575
Calibration curve: -9.12784e-005 * x^2 + 0.972446 * x + 0.148981
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	180713M2_2	Standard	1.250	5.77	152.902	18576.695	1.235	1.1	-10.7	NO	1.000	NO	bb
2	2	180713M2_3	Standard	2.500	5.77	305.304	18161.447	2.522	2.4	-2.4	NO	1.000	NO	bb
3	3	180713M2_4	Standard	5.000	5.77	626.540	19002.900	4.946	4.9	-1.3	NO	1.000	NO	bb
4	4	180713M2_5	Standard	10.000	5.77	1412.970	19474.674	10.883	11.0	10.5	NO	1.000	NO	bb
5	5	180713M2_6	Standard	25.000	5.77	3270.521	18697.254	26.238	26.9	7.6	NO	1.000	NO	bb
6	6	180713M2_7	Standard	50.000	5.77	6639.041	19106.945	52.120	53.7	7.4	NO	1.000	NO	bb
7	7	180713M2_8	Standard	250.000	5.77	31395.396	19322.504	243.721	256.7	2.7	NO	1.000	NO	bb
8	8	180713M2_9	Standard	500.000	5.77	65198.422	21021.809	465.220	501.9	0.4	NO	1.000	NO	bb
9	9	180713M2_10	Standard	1250.000	5.77	141272.719	20236.857	1047.144	1215.3	-2.8	NO	1.000	NO	bb
10	10	180713M2_11	Standard	2500.000	5.77	227350.781	18210.414	1872.699	2523.2	0.9	NO	1.000	NO	MM

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Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.999877
Calibration curve: -0.00023857 * x^2 + 1.29146 * x + 0.0379642
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	180713M2_2	Standard	0.250	5.94	367.225	12955.929	0.354	0.2	-2.0	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	5.93	820.374	15023.410	0.683	0.5	-0.2	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	5.93	1535.688	14081.300	1.363	1.0	2.6	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	5.93	3010.207	15414.208	2.441	1.9	-6.9	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	5.93	7360.454	14385.663	6.396	4.9	-1.5	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	5.93	14866.804	13413.349	13.854	10.7	7.2	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	5.94	72853.375	13967.373	65.200	50.9	1.9	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	5.93	142351.641	14111.596	126.095	99.4	-0.6	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	5.93	333980.406	13658.199	305.659	248.0	-0.8	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	5.94	607853.813	12937.527	587.297	501.1	0.2	NO	1.000	NO	bb

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.999580
Calibration curve: -0.000821921 * x^2 + 1.75261 * x + 0.0312197
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	180713M2_2	Standard	0.250	6.15	282.841	6989.844	0.506	0.3	8.3	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	6.15	674.050	9134.898	0.922	0.5	1.7	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	6.15	1274.779	8543.369	1.865	1.0	4.7	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	6.15	2435.223	8757.767	3.476	2.0	-1.6	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	6.15	6274.629	8867.035	8.845	5.0	0.8	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	6.15	11225.080	9358.076	14.994	8.6	-14.3	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	6.15	56633.508	8435.421	83.922	49.0	-2.0	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	6.15	130180.766	9564.284	170.139	101.9	1.9	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	6.15	295470.563	9482.202	389.507	252.0	0.8	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	6.15	484789.375	9056.594	669.111	498.1	-0.4	NO	1.000	NO	db

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Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999833
Calibration curve: -4.01701e-005 * x^2 + 0.879984 * x + 0.0536627
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	180713M2_2	Standard	1.250	6.18	151.543	21031.254	1.081	1.2	-6.6	NO	1.000	NO	bb
2	2	180713M2_3	Standard	2.500	6.17	326.753	21152.734	2.317	2.6	2.9	NO	1.000	NO	bb
3	3	180713M2_4	Standard	5.000	6.18	564.069	22127.367	3.824	4.3	-14.3	NO	1.000	NO	bb
4	4	180713M2_5	Standard	10.000	6.17	1418.527	22671.490	9.385	10.6	6.1	NO	1.000	NO	bb
5	5	180713M2_6	Standard	25.000	6.17	3333.613	21647.729	23.099	26.2	4.9	NO	1.000	NO	bb
6	6	180713M2_7	Standard	50.000	6.17	6814.409	21795.723	46.897	53.4	6.7	NO	1.000	NO	bb
7	7	180713M2_8	Standard	250.000	6.18	31716.580	21578.164	220.477	253.4	1.4	NO	1.000	NO	bb
8	8	180713M2_9	Standard	500.000	6.17	65931.203	23037.078	429.294	499.2	-0.2	NO	1.000	NO	bb
9	9	180713M2_10	Standard	1250.000	6.18	141528.719	20702.896	1025.427	1234.8	-1.2	NO	1.000	NO	bb
10	10	180713M2_11	Standard	2500.000	6.18	227106.063	17428.158	1954.648	2508.4	0.3	NO	1.000	NO	bb

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.996194
Calibration curve: -0.000573825 * x^2 + 0.625344 * x + -0.00873181
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	180713M2_2	Standard	0.250	6.48	157.839	4651.726	0.170	0.3	14.1	NO	0.996	NO	MM
2	2	180713M2_3	Standard	0.500	6.48	261.296	5700.199	0.229	0.4	-23.9	NO	0.996	NO	bb
3	3	180713M2_4	Standard	1.000	6.48	581.344	5323.615	0.546	0.9	-11.2	NO	0.996	NO	bb
4	4	180713M2_5	Standard	2.000	6.48	1328.712	5809.376	1.144	1.8	-7.7	NO	0.996	NO	bb
5	5	180713M2_6	Standard	5.000	6.47	3500.938	5001.951	3.500	5.6	12.8	NO	0.996	NO	bb
6	6	180713M2_7	Standard	10.000	6.48	6315.762	4388.430	7.196	11.6	16.5	NO	0.996	NO	bb
7	7	180713M2_8	Standard	50.000	6.48	30104.789	4748.594	31.699	53.3	6.6	NO	0.996	NO	bb
8	8	180713M2_9	Standard	100.000	6.48	65306.449	6232.749	52.390	91.5	-8.5	NO	0.996	NO	bb
9	9	180713M2_10	Standard	250.000	6.48	151528.172	6220.353	121.800	254.0	1.6	NO	0.996	NO	bb
10	10	180713M2_11	Standard	500.000	6.48	262351.813	5843.076	224.498			NO	0.996	NO	bbXI

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Compound name: PFODA
Coefficient of Determination: R^2 = 0.994619
Calibration curve: -0.000281575 * x^2 + 0.922529 * x + 0.00668947
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	180713M2_2	Standard	0.250	6.71	250.690	4651.726	0.269	0.3	13.9	NO	0.995	NO	bb
2	2	180713M2_3	Standard	0.500	6.71	411.827	5700.199	0.361	0.4	-23.1	NO	0.995	NO	bb
3	3	180713M2_4	Standard	1.000	6.71	803.925	5323.615	0.755	0.8	-18.9	NO	0.995	NO	bb
4	4	180713M2_5	Standard	2.000	6.71	1701.273	5809.376	1.464	1.6	-21.0	NO	0.995	NO	bb
5	5	180713M2_6	Standard	5.000	6.71	5381.099	5001.951	5.379	5.8	16.7	NO	0.995	NO	bb
6	6	180713M2_7	Standard	10.000	6.71	10199.383	4388.430	11.621	12.6	26.4	NO	0.995	NO	bb
7	7	180713M2_8	Standard	50.000	6.71	51546.301	4748.594	54.275	59.9	19.8	NO	0.995	NO	bb
8	8	180713M2_9	Standard	100.000	6.71	104004.750	6232.749	83.434	93.1	-6.9	NO	0.995	NO	bb
9	9	180713M2_10	Standard	250.000	6.71	250982.953	6220.353	201.743	235.6	-5.8	NO	0.995	NO	bb
10	10	180713M2_11	Standard	500.000	6.71	463694.063	5843.076	396.789	509.3	1.9	NO	0.995	NO	bb

Compound name: N-MeFOSE
Coefficient of Determination: R^2 = 0.999423
Calibration curve: -8.77324e-005 * x^2 + 0.974484 * x + -0.0392547
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	180713M2_2	Standard	1.250	6.34	175.116	21309.094	1.233	1.3	4.4	NO	0.999	NO	bb
2	2	180713M2_3	Standard	2.500	6.34	283.300	22598.629	1.880	2.0	-21.2	NO	0.999	NO	bb
3	3	180713M2_4	Standard	5.000	6.34	783.860	21755.938	5.404	5.6	11.8	NO	0.999	NO	bb
4	4	180713M2_5	Standard	10.000	6.34	1452.786	23575.012	9.244	9.5	-4.7	NO	0.999	NO	bb
5	5	180713M2_6	Standard	25.000	6.34	3638.021	21427.850	25.467	26.2	4.9	NO	0.999	NO	MM
6	6	180713M2_7	Standard	50.000	6.34	6684.958	19231.918	52.140	53.8	7.6	NO	0.999	NO	bb
7	7	180713M2_8	Standard	250.000	6.34	34037.008	22337.242	228.567	239.8	-4.1	NO	0.999	NO	bb
8	8	180713M2_9	Standard	500.000	6.34	73532.641	23432.607	470.707	506.1	1.2	NO	0.999	NO	bb
9	9	180713M2_10	Standard	1250.000	6.34	169848.578	23578.164	1080.546	1249.4	-0.0	NO	0.999	NO	MM
10	10	180713M2_11	Standard	2500.000	6.34	324724.313	20132.688	2419.381	3746.4	49.9	YES	0.999	NO	bbX

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Compound name: N-EtFOSE
Coefficient of Determination: R^2 = 0.999832
Calibration curve: -1.71189e-005 * x^2 + 1.14513 * x + 0.0728236
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	180713M2_2	Standard	1.250	6.49	195.704	20872.225	1.406	1.2	-6.8	NO	1.000	NO	bb
2	2	180713M2_3	Standard	2.500	6.49	436.331	20412.107	3.206	2.7	9.5	NO	1.000	NO	bb
3	3	180713M2_4	Standard	5.000	6.48	815.738	22818.602	5.362	4.6	-7.6	NO	1.000	NO	bb
4	4	180713M2_5	Standard	10.000	6.49	1768.202	21870.072	12.128	10.5	5.3	NO	1.000	NO	bb
5	5	180713M2_6	Standard	25.000	6.48	3979.535	21589.143	27.650	24.1	-3.6	NO	1.000	NO	bb
6	6	180713M2_7	Standard	50.000	6.48	8559.806	21843.867	58.779	51.3	2.6	NO	1.000	NO	bb
7	7	180713M2_8	Standard	250.000	6.49	40656.535	21476.510	283.960	248.8	-0.5	NO	1.000	NO	bb
8	8	180713M2_9	Standard	500.000	6.49	90096.023	23224.803	581.895	512.0	2.4	NO	1.000	NO	bb
9	9	180713M2_10	Standard	1250.000	6.49	200444.594	21725.967	1383.906	1231.1	-1.5	NO	1.000	NO	bb
10	10	180713M2_11	Standard	2500.000	6.49	340941.656	18504.549	2763.712	2507.4	0.3	NO	1.000	NO	bb

Compound name: 13C3-PFBA
Response Factor: 0.915989
RRF SD: 0.0167703, Relative SD: 1.83084
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	180713M2_2	Standard	12.500	1.34	7908.634	8508.252	11.619	12.7	1.5	NO		NO	bb
2	2	180713M2_3	Standard	12.500	1.34	7697.999	8586.336	11.207	12.2	-2.1	NO		NO	MM
3	3	180713M2_4	Standard	12.500	1.34	7855.050	8474.557	11.586	12.6	1.2	NO		NO	MM
4	4	180713M2_5	Standard	12.500	1.34	7889.140	8552.973	11.530	12.6	0.7	NO		NO	MM
5	5	180713M2_6	Standard	12.500	1.34	7714.335	8192.728	11.770	12.8	2.8	NO		NO	MM
6	6	180713M2_7	Standard	12.500	1.34	7673.867	8523.984	11.253	12.3	-1.7	NO		NO	MM
7	7	180713M2_8	Standard	12.500	1.34	7434.815	8084.804	11.495	12.5	0.4	NO		NO	MM
8	8	180713M2_9	Standard	12.500	1.34	6775.695	7565.397	11.195	12.2	-2.2	NO		NO	MM
9	9	180713M2_10	Standard	12.500	1.34	6888.414	7667.210	11.230	12.3	-1.9	NO		NO	MM
10	10	180713M2_11	Standard	12.500	1.34	7132.608	7677.587	11.613	12.7	1.4	NO		NO	MM

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Compound name: 13C3-PFPeA
Response Factor: 0.988569
RRF SD: 0.0308799, Relative SD: 3.1237
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 180713M2_2	Standard	12.500	2.35	9424.334	9437.398	12.483	12.6	1.0	NO		NO	bb
2	2 180713M2_3	Standard	12.500	2.34	9301.735	9104.862	12.770	12.9	3.3	NO		NO	bb
3	3 180713M2_4	Standard	12.500	2.34	9271.572	9792.726	11.835	12.0	-4.2	NO		NO	bb
4	4 180713M2_5	Standard	12.500	2.34	9606.715	10105.765	11.883	12.0	-3.8	NO		NO	bb
5	5 180713M2_6	Standard	12.500	2.34	9435.593	9413.868	12.529	12.7	1.4	NO		NO	bb
6	6 180713M2_7	Standard	12.500	2.34	9426.865	9291.315	12.682	12.8	2.6	NO		NO	bb
7	7 180713M2_8	Standard	12.500	2.34	9244.303	9400.839	12.292	12.4	-0.5	NO		NO	bb
8	8 180713M2_9	Standard	12.500	2.34	10135.307	9995.804	12.674	12.8	2.6	NO		NO	bb
9	9 180713M2_10	Standard	12.500	2.34	9253.947	9148.592	12.644	12.8	2.3	NO		NO	bb
10	10 180713M2_11	Standard	12.500	2.34	7708.989	8180.770	11.779	11.9	-4.7	NO		NO	bb

Compound name: 13C3-PFBS
Response Factor: 0.119883
RRF SD: 0.00417327, Relative SD: 3.48112
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 180713M2_2	Standard	12.500	2.64	1137.955	9437.398	1.507	12.6	0.6	NO		NO	bb
2	2 180713M2_3	Standard	12.500	2.64	1093.112	9104.862	1.501	12.5	0.1	NO		NO	bb
3	3 180713M2_4	Standard	12.500	2.63	1137.611	9792.726	1.452	12.1	-3.1	NO		NO	bb
4	4 180713M2_5	Standard	12.500	2.64	1185.013	10105.765	1.466	12.2	-2.2	NO		NO	bb
5	5 180713M2_6	Standard	12.500	2.63	1138.417	9413.868	1.512	12.6	0.9	NO		NO	bb
6	6 180713M2_7	Standard	12.500	2.63	1102.365	9291.315	1.483	12.4	-1.0	NO		NO	bb
7	7 180713M2_8	Standard	12.500	2.64	1129.871	9400.839	1.502	12.5	0.3	NO		NO	bb
8	8 180713M2_9	Standard	12.500	2.63	1302.746	9995.804	1.629	13.6	8.7	NO		NO	bb
9	9 180713M2_10	Standard	12.500	2.63	1094.662	9148.592	1.496	12.5	-0.2	NO		NO	bb
10	10 180713M2_11	Standard	12.500	2.63	940.941	8180.770	1.438	12.0	-4.1	NO		NO	bb

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Compound name: 13C2-4:2 FTS
Response Factor: 0.24191
RRF SD: 0.0260722, Relative SD: 10.7776
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	180713M2_2	Standard	12.500	3.06	2262.779	9437.398	2.997	12.4	-0.9	NO		NO	bb
2	2	180713M2_3	Standard	12.500	3.04	2139.083	9104.862	2.937	12.1	-2.9	NO		NO	bb
3	3	180713M2_4	Standard	12.500	3.04	2129.083	9792.726	2.718	11.2	-10.1	NO		NO	bb
4	4	180713M2_5	Standard	12.500	3.04	2240.238	10105.765	2.771	11.5	-8.4	NO		NO	bb
5	5	180713M2_6	Standard	12.500	3.04	2333.146	9413.868	3.098	12.8	2.5	NO		NO	bb
6	6	180713M2_7	Standard	12.500	3.04	2075.201	9291.315	2.792	11.5	-7.7	NO		NO	bb
7	7	180713M2_8	Standard	12.500	3.04	2365.450	9400.839	3.145	13.0	4.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	3.04	2985.455	9995.804	3.733	15.4	23.5	NO		NO	bb
9	9	180713M2_10	Standard	12.500	3.04	4478.799	9148.592	6.120	25.3	102.4	NO		NO	bbX
10	10	180713M2_11	Standard	12.500	3.04	4942.526	8180.770	7.552	31.2	149.7	NO		NO	bbX

Compound name: 13C2-PFHxA
Response Factor: 0.745955
RRF SD: 0.0327551, Relative SD: 4.39103
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	180713M2_2	Standard	5.000	3.14	2834.617	9437.398	3.755	5.0	0.7	NO		NO	bb
2	2	180713M2_3	Standard	5.000	3.13	2836.602	9104.862	3.894	5.2	4.4	NO		NO	bb
3	3	180713M2_4	Standard	5.000	3.13	2783.196	9792.726	3.553	4.8	-4.7	NO		NO	bb
4	4	180713M2_5	Standard	5.000	3.13	2773.298	10105.765	3.430	4.6	-8.0	NO		NO	bb
5	5	180713M2_6	Standard	5.000	3.13	2948.611	9413.868	3.915	5.2	5.0	NO		NO	bb
6	6	180713M2_7	Standard	5.000	3.13	2727.608	9291.315	3.670	4.9	-1.6	NO		NO	bb
7	7	180713M2_8	Standard	5.000	3.13	2777.131	9400.839	3.693	5.0	-1.0	NO		NO	bb
8	8	180713M2_9	Standard	5.000	3.13	3139.397	9995.804	3.926	5.3	5.3	NO		NO	bb
9	9	180713M2_10	Standard	5.000	3.13	2793.825	9148.592	3.817	5.1	2.3	NO		NO	bb
10	10	180713M2_11	Standard	5.000	3.13	2385.688	8180.770	3.645	4.9	-2.3	NO		NO	bb

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Compound name: 13C4-PFHpA
Response Factor: 0.810925
RRF SD: 0.02477, Relative SD: 3.05454
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 180713M2_2	Standard	12.500	3.76	7882.038	9437.398	10.440	12.9	3.0	NO		NO	bb
2	2 180713M2_3	Standard	12.500	3.75	7378.714	9104.862	10.130	12.5	-0.1	NO		NO	bb
3	3 180713M2_4	Standard	12.500	3.75	7848.158	9792.726	10.018	12.4	-1.2	NO		NO	bb
4	4 180713M2_5	Standard	12.500	3.75	7843.696	10105.765	9.702	12.0	-4.3	NO		NO	bb
5	5 180713M2_6	Standard	12.500	3.75	7817.939	9413.868	10.381	12.8	2.4	NO		NO	bb
6	6 180713M2_7	Standard	12.500	3.75	7338.215	9291.315	9.872	12.2	-2.6	NO		NO	bb
7	7 180713M2_8	Standard	12.500	3.75	7518.153	9400.839	9.997	12.3	-1.4	NO		NO	bb
8	8 180713M2_9	Standard	12.500	3.75	7979.707	9995.804	9.979	12.3	-1.6	NO		NO	bb
9	9 180713M2_10	Standard	12.500	3.75	7876.601	9148.592	10.762	13.3	6.2	NO		NO	bb
10	10 180713M2_11	Standard	12.500	3.75	6600.139	8180.770	10.085	12.4	-0.5	NO		NO	bb

Compound name: 18O2-PFHxS
Response Factor: 0.408839
RRF SD: 0.0301244, Relative SD: 7.36828
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 180713M2_2	Standard	12.500	3.91	756.736	2126.146	4.449	10.9	-12.9	NO		NO	bb
2	2 180713M2_3	Standard	12.500	3.90	860.570	1949.449	5.518	13.5	8.0	NO		NO	bb
3	3 180713M2_4	Standard	12.500	3.90	816.693	2080.835	4.906	12.0	-4.0	NO		NO	bb
4	4 180713M2_5	Standard	12.500	3.90	961.815	2138.366	5.622	13.8	10.0	NO		NO	bb
5	5 180713M2_6	Standard	12.500	3.90	878.745	2110.084	5.206	12.7	1.9	NO		NO	bb
6	6 180713M2_7	Standard	12.500	3.90	998.336	2276.151	5.483	13.4	7.3	NO		NO	bb
7	7 180713M2_8	Standard	12.500	3.90	851.296	2049.348	5.192	12.7	1.6	NO		NO	bb
8	8 180713M2_9	Standard	12.500	3.90	809.956	2170.835	4.664	11.4	-8.7	NO		NO	bb
9	9 180713M2_10	Standard	12.500	3.90	875.892	2159.760	5.069	12.4	-0.8	NO		NO	bb
10	10 180713M2_11	Standard	12.500	3.90	710.218	1777.163	4.995	12.2	-2.3	NO		NO	bb

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Compound name: 13C2-6:2 FTS
Response Factor: 0.212567
RRF SD: 0.0352454, Relative SD: 16.5808
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	180713M2_2	Standard	12.500	4.23	2307.357	10317.344	2.795	13.2	5.2	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.22	1926.098	9907.005	2.430	11.4	-8.5	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.22	2083.801	10344.438	2.518	11.8	-5.2	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.22	2178.331	10808.192	2.519	11.9	-5.2	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.21	1817.986	10556.896	2.153	10.1	-19.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.22	2179.242	10738.408	2.537	11.9	-4.5	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.22	2201.936	10359.516	2.657	12.5	-0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.21	3223.241	11046.292	3.647	17.2	37.3	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.22	4284.995	10348.838	5.176	24.3	94.8	NO		NO	bbX
10	10	180713M2_11	Standard	12.500	4.22	5160.774	8668.775	7.442	35.0	180.1	NO		NO	bbX

Compound name: 13C2-PFOA
Response Factor: 0.945973
RRF SD: 0.0362742, Relative SD: 3.83459
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	180713M2_2	Standard	12.500	4.28	9599.336	10317.344	11.630	12.3	-1.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.27	8966.970	9907.005	11.314	12.0	-4.3	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.27	9491.856	10344.438	11.470	12.1	-3.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.27	10257.139	10808.192	11.863	12.5	0.3	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.27	10031.416	10556.896	11.878	12.6	0.4	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.27	10166.606	10738.408	11.834	12.5	0.1	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.27	9248.792	10359.516	11.160	11.8	-5.6	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.27	10875.795	11046.292	12.307	13.0	4.1	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.27	10082.170	10348.838	12.178	12.9	3.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.27	8747.272	8668.775	12.613	13.3	6.7	NO		NO	bb

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Compound name: 13C5-PFNA
Response Factor: 0.979251
RRF SD: 0.0483184, Relative SD: 4.93422
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	180713M2_2	Standard	12.500	4.72	9922.181	10065.651	12.322	12.6	0.7	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.71	9337.510	9957.600	11.722	12.0	-4.2	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.71	9996.146	10152.842	12.307	12.6	0.5	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.71	10558.536	10736.849	12.292	12.6	0.4	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.71	9707.783	10784.417	11.252	11.5	-8.1	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.71	10632.364	9778.669	13.591	13.9	11.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.71	9584.063	9617.261	12.457	12.7	1.8	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.71	11384.273	11448.627	12.430	12.7	1.5	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.71	10190.485	10679.406	11.928	12.2	-2.6	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.71	8796.210	9082.638	12.106	12.4	-1.1	NO		NO	bb

Compound name: 13C8-PFOSA
Response Factor: 0.302895
RRF SD: 0.0236578, Relative SD: 7.81056
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	180713M2_2	Standard	12.500	4.78	4794.237	14184.789	4.225	13.9	11.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.77	4790.805	14312.807	4.184	13.8	10.5	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.77	4890.473	16085.883	3.800	12.5	0.4	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.77	5253.447	16971.828	3.869	12.8	2.2	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.77	4739.458	17685.236	3.350	11.1	-11.5	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.77	4360.021	15588.641	3.496	11.5	-7.7	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.77	4295.065	15606.623	3.440	11.4	-9.1	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.77	5309.321	16902.500	3.926	13.0	3.7	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.77	4657.183	15030.426	3.873	12.8	2.3	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.77	3692.763	12482.979	3.698	12.2	-2.3	NO		NO	bb

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Compound name: 13C8-PFOS
Response Factor: 1.10915
RRF SD: 0.0757242, Relative SD: 6.82722
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	180713M2_2	Standard	12.500	4.80	2711.711	2484.167	13.645	12.3	-1.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.79	2613.904	2602.025	12.557	11.3	-9.4	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.79	2832.045	2320.203	15.258	13.8	10.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.79	3069.275	2709.280	14.161	12.8	2.1	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.79	2701.124	2636.547	12.806	11.5	-7.6	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.79	2659.894	2447.411	13.585	12.2	-2.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.79	2870.707	2548.391	14.081	12.7	1.6	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.79	3163.843	2914.888	13.568	12.2	-2.1	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.79	2920.754	2350.833	15.530	14.0	12.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.79	2283.505	2121.740	13.453	12.1	-3.0	NO		NO	bb

Compound name: 13C2-PFDA
Response Factor: 1.00692
RRF SD: 0.0491458, Relative SD: 4.8808
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	180713M2_2	Standard	12.500	5.09	10953.468	11006.571	12.440	12.4	-1.2	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.08	11445.301	11087.531	12.903	12.8	2.5	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.08	11668.952	11096.681	13.145	13.1	4.4	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.08	12108.976	12458.268	12.150	12.1	-3.5	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.08	10323.984	11362.268	11.358	11.3	-9.8	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.08	11708.584	11192.125	13.077	13.0	3.9	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.08	11192.241	10388.725	13.467	13.4	7.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.08	11782.880	11815.017	12.466	12.4	-1.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.08	10973.018	11310.272	12.127	12.0	-3.6	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.09	9602.422	9426.520	12.733	12.6	1.2	NO		NO	bb

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Compound name: 13C2-8:2 FTS
Response Factor: 0.195098
RRF SD: 0.0144821, Relative SD: 7.42296
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	180713M2_2	Standard	12.500	5.06	1907.386	9437.398	2.526	12.9	3.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.05	1763.837	9104.862	2.422	12.4	-0.7	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.06	1780.577	9792.726	2.273	11.6	-6.8	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.06	1755.932	10105.765	2.172	11.1	-10.9	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.05	2033.900	9413.868	2.701	13.8	10.7	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.05	1782.862	9291.315	2.399	12.3	-1.6	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.06	1939.709	9400.839	2.579	13.2	5.8	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.05	3216.831	9995.804	4.023	20.6	65.0	NO		NO	bbX
9	9	180713M2_10	Standard	12.500	5.06	3627.645	9148.592	4.957	25.4	103.2	NO		NO	bbX
10	10	180713M2_11	Standard	12.500	5.06	5059.648	8180.770	7.731	39.6	217.0	NO		NO	bbX

Compound name: d3-N-MeFOSAA
Response Factor: 0.258518
RRF SD: 0.0341702, Relative SD: 13.2177
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	180713M2_2	Standard	12.500	5.24	3205.290	14184.789	2.825	10.9	-12.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.24	3045.261	14312.807	2.660	10.3	-17.7	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.24	4059.675	16085.883	3.155	12.2	-2.4	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.24	4303.040	16971.828	3.169	12.3	-1.9	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.23	3654.881	17685.236	2.583	10.0	-20.1	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.23	4183.393	15588.641	3.355	13.0	3.8	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.24	4575.552	15606.623	3.665	14.2	13.4	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.23	5030.708	16902.500	3.720	14.4	15.1	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.24	4432.137	15030.426	3.686	14.3	14.1	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.24	3492.988	12482.979	3.498	13.5	8.2	NO		NO	bb

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Compound name: d5-N-EtFOSAA
Response Factor: 0.279846
RRF SD: 0.0241607, Relative SD: 8.63357
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	180713M2_2	Standard	12.500	5.40	4037.900	14184.789	3.558	12.7	1.7	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.39	4034.384	14312.807	3.523	12.6	0.7	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.39	3796.835	16085.883	2.950	10.5	-15.7	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.39	5112.152	16971.828	3.765	13.5	7.6	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.38	5119.928	17685.236	3.619	12.9	3.5	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.39	4651.525	15588.641	3.730	13.3	6.6	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.39	4346.287	15606.623	3.481	12.4	-0.5	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.38	5025.404	16902.500	3.716	13.3	6.2	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.39	4427.707	15030.426	3.682	13.2	5.3	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.39	2950.787	12482.979	2.955	10.6	-15.5	NO		NO	bb

Compound name: 13C2-PFUdA
Response Factor: 0.905277
RRF SD: 0.0731901, Relative SD: 8.08483
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	180713M2_2	Standard	12.500	5.41	13781.687	14184.789	12.145	13.4	7.3	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.41	14078.919	14312.807	12.296	13.6	8.7	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.41	15064.172	16085.883	11.706	12.9	3.4	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.41	13739.225	16971.828	10.119	11.2	-10.6	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.41	13965.907	17685.236	9.871	10.9	-12.8	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.41	14368.988	15588.641	11.522	12.7	1.8	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.41	13772.092	15606.623	11.031	12.2	-2.5	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.41	14005.803	16902.500	10.358	11.4	-8.5	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.41	14261.752	15030.426	11.861	13.1	4.8	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.41	12234.892	12482.979	12.252	13.5	8.3	NO		NO	bb

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Compound name: 13C2-PFDoA
Response Factor: 1.26218
RRF SD: 0.0723436, Relative SD: 5.73164
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	180713M2_2	Standard	12.500	5.70	12955.929	11006.571	14.714	11.7	-6.7	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.69	15023.410	11087.531	16.937	13.4	7.4	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.69	14081.300	11096.681	15.862	12.6	0.5	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.69	15414.208	12458.268	15.466	12.3	-2.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.69	14385.663	11362.268	15.826	12.5	0.3	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.69	13413.349	11192.125	14.981	11.9	-5.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.69	13967.373	10388.725	16.806	13.3	6.5	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.69	14111.596	11815.017	14.930	11.8	-5.4	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.69	13658.199	11310.272	15.095	12.0	-4.3	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.69	12937.527	9426.520	17.156	13.6	8.7	NO		NO	bb

Compound name: d3-N-MeFOSA
Response Factor: 0.103977
RRF SD: 0.00920942, Relative SD: 8.85715
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	180713M2_2	Standard	150.000	5.80	18576.695	14184.789	16.370	157.4	5.0	NO		NO	bb
2	2	180713M2_3	Standard	150.000	5.80	18161.447	14312.807	15.861	152.5	1.7	NO		NO	bb
3	3	180713M2_4	Standard	150.000	5.80	19002.900	16085.883	14.767	142.0	-5.3	NO		NO	bb
4	4	180713M2_5	Standard	150.000	5.80	19474.674	16971.828	14.343	137.9	-8.0	NO		NO	bb
5	5	180713M2_6	Standard	150.000	5.79	18697.254	17685.236	13.215	127.1	-15.3	NO		NO	bb
6	6	180713M2_7	Standard	150.000	5.80	19106.945	15588.641	15.321	147.4	-1.8	NO		NO	bb
7	7	180713M2_8	Standard	150.000	5.80	19322.504	15606.623	15.476	148.8	-0.8	NO		NO	bb
8	8	180713M2_9	Standard	150.000	5.80	21021.809	16902.500	15.546	149.5	-0.3	NO		NO	bb
9	9	180713M2_10	Standard	150.000	5.80	20236.857	15030.426	16.830	161.9	7.9	NO		NO	bb
10	10	180713M2_11	Standard	150.000	5.80	18210.414	12482.979	18.235	175.4	16.9	NO		NO	bb

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Compound name: 13C2-PFTeDA
Response Factor: 0.574256
RRF SD: 0.0739896, Relative SD: 12.8844
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	180713M2_2	Standard	12.500	6.15	6989.844	14184.789	6.160	10.7	-14.2	NO		NO	bb
2	2	180713M2_3	Standard	12.500	6.15	9134.898	14312.807	7.978	13.9	11.1	NO		NO	bb
3	3	180713M2_4	Standard	12.500	6.15	8543.369	16085.883	6.639	11.6	-7.5	NO		NO	bb
4	4	180713M2_5	Standard	12.500	6.15	8757.767	16971.828	6.450	11.2	-10.1	NO		NO	bb
5	5	180713M2_6	Standard	12.500	6.15	8867.035	17685.236	6.267	10.9	-12.7	NO		NO	bb
6	6	180713M2_7	Standard	12.500	6.15	9358.076	15588.641	7.504	13.1	4.5	NO		NO	bb
7	7	180713M2_8	Standard	12.500	6.15	8435.421	15606.623	6.756	11.8	-5.9	NO		NO	bb
8	8	180713M2_9	Standard	12.500	6.15	9564.284	16902.500	7.073	12.3	-1.5	NO		NO	bb
9	9	180713M2_10	Standard	12.500	6.15	9482.202	15030.426	7.886	13.7	9.9	NO		NO	bb
10	10	180713M2_11	Standard	12.500	6.15	9056.594	12482.979	9.069	15.8	26.3	NO		NO	bb

Compound name: d5-N-ETFOSA
Response Factor: 0.115111
RRF SD: 0.00604057, Relative SD: 5.24761
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	180713M2_2	Standard	150.000	6.20	21031.254	14184.789	18.533	161.0	7.3	NO		NO	bb
2	2	180713M2_3	Standard	150.000	6.19	21152.734	14312.807	18.474	160.5	7.0	NO		NO	bb
3	3	180713M2_4	Standard	150.000	6.19	22127.367	16085.883	17.195	149.4	-0.4	NO		NO	bb
4	4	180713M2_5	Standard	150.000	6.19	22671.490	16971.828	16.698	145.1	-3.3	NO		NO	bb
5	5	180713M2_6	Standard	150.000	6.19	21647.729	17685.236	15.301	132.9	-11.4	NO		NO	bb
6	6	180713M2_7	Standard	150.000	6.19	21795.723	15588.641	17.477	151.8	1.2	NO		NO	bb
7	7	180713M2_8	Standard	150.000	6.19	21578.164	15606.623	17.283	150.1	0.1	NO		NO	bb
8	8	180713M2_9	Standard	150.000	6.19	23037.078	16902.500	17.037	148.0	-1.3	NO		NO	bb
9	9	180713M2_10	Standard	150.000	6.19	20702.896	15030.426	17.217	149.6	-0.3	NO		NO	bb
10	10	180713M2_11	Standard	150.000	6.20	17428.158	12482.979	17.452	151.6	1.1	NO		NO	bb

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Compound name: 13C2-PFHxDA
Response Factor: 0.879684
RRF SD: 0.15108, Relative SD: 17.1743
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	180713M2_2	Standard	5.000	6.48	4651.726	14184.789	4.099	4.7	-6.8	NO		NO	bb
2	2	180713M2_3	Standard	5.000	6.48	5700.199	14312.807	4.978	5.7	13.2	NO		NO	bb
3	3	180713M2_4	Standard	5.000	6.48	5323.615	16085.883	4.137	4.7	-5.9	NO		NO	bb
4	4	180713M2_5	Standard	5.000	6.48	5809.376	16971.828	4.279	4.9	-2.7	NO		NO	bb
5	5	180713M2_6	Standard	5.000	6.47	5001.951	17685.236	3.535	4.0	-19.6	NO		NO	bb
6	6	180713M2_7	Standard	5.000	6.48	4388.430	15588.641	3.519	4.0	-20.0	NO		NO	bb
7	7	180713M2_8	Standard	5.000	6.49	4748.594	15606.623	3.803	4.3	-13.5	NO		NO	bb
8	8	180713M2_9	Standard	5.000	6.47	6232.749	16902.500	4.609	5.2	4.8	NO		NO	bb
9	9	180713M2_10	Standard	5.000	6.48	6220.353	15030.426	5.173	5.9	17.6	NO		NO	bb
10	10	180713M2_11	Standard	5.000	6.48	5843.076	12482.979	5.851	6.7	33.0	NO		NO	bb

Compound name: d7-N-MeFOSE
Response Factor: 0.118893
RRF SD: 0.0116452, Relative SD: 9.79467
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	180713M2_2	Standard	150.000	6.34	21309.094	14184.789	18.778	157.9	5.3	NO		NO	bb
2	2	180713M2_3	Standard	150.000	6.33	22598.629	14312.807	19.736	166.0	10.7	NO		NO	bb
3	3	180713M2_4	Standard	150.000	6.33	21755.938	16085.883	16.906	142.2	-5.2	NO		NO	bb
4	4	180713M2_5	Standard	150.000	6.33	23575.012	16971.828	17.363	146.0	-2.6	NO		NO	bb
5	5	180713M2_6	Standard	150.000	6.33	21427.850	17685.236	15.145	127.4	-15.1	NO		NO	bb
6	6	180713M2_7	Standard	150.000	6.33	19231.918	15588.641	15.421	129.7	-13.5	NO		NO	bb
7	7	180713M2_8	Standard	150.000	6.33	22337.242	15606.623	17.891	150.5	0.3	NO		NO	bb
8	8	180713M2_9	Standard	150.000	6.33	23432.607	16902.500	17.329	145.8	-2.8	NO		NO	bb
9	9	180713M2_10	Standard	150.000	6.33	23578.164	15030.426	19.609	164.9	10.0	NO		NO	bb
10	10	180713M2_11	Standard	150.000	6.33	20132.688	12482.979	20.160	169.6	13.0	NO		NO	bb

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Compound name: d9-N-EtFOSE
Response Factor: 0.115873
RRF SD: 0.00679654, Relative SD: 5.86551
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	180713M2_2	Standard	150.000	6.48	20872.225	14184.789	18.393	158.7	5.8	NO		NO	bb
2	2	180713M2_3	Standard	150.000	6.48	20412.107	14312.807	17.827	153.8	2.6	NO		NO	bb
3	3	180713M2_4	Standard	150.000	6.48	22818.602	16085.883	17.732	153.0	2.0	NO		NO	bb
4	4	180713M2_5	Standard	150.000	6.48	21870.072	16971.828	16.108	139.0	-7.3	NO		NO	bb
5	5	180713M2_6	Standard	150.000	6.48	21589.143	17685.236	15.259	131.7	-12.2	NO		NO	bb
6	6	180713M2_7	Standard	150.000	6.48	21843.867	15588.641	17.516	151.2	0.8	NO		NO	bb
7	7	180713M2_8	Standard	150.000	6.48	21476.510	15606.623	17.201	148.5	-1.0	NO		NO	bb
8	8	180713M2_9	Standard	150.000	6.48	23224.803	16902.500	17.176	148.2	-1.2	NO		NO	bb
9	9	180713M2_10	Standard	150.000	6.48	21725.967	15030.426	18.068	155.9	4.0	NO		NO	bb
10	10	180713M2_11	Standard	150.000	6.48	18504.549	12482.979	18.530	159.9	6.6	NO		NO	bb

Compound name: 13C4-PFBA
Response Factor: 1
RRF SD: 1.11022e-016, Relative SD: 1.11022e-014
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	180713M2_2	Standard	12.500	1.34	8508.252	8508.252	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	1.34	8586.336	8586.336	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	1.34	8474.557	8474.557	12.500	12.5	0.0	NO		NO	MM
4	4	180713M2_5	Standard	12.500	1.34	8552.973	8552.973	12.500	12.5	0.0	NO		NO	MM
5	5	180713M2_6	Standard	12.500	1.34	8192.728	8192.728	12.500	12.5	0.0	NO		NO	MM
6	6	180713M2_7	Standard	12.500	1.34	8523.984	8523.984	12.500	12.5	0.0	NO		NO	MM
7	7	180713M2_8	Standard	12.500	1.34	8084.804	8084.804	12.500	12.5	0.0	NO		NO	MM
8	8	180713M2_9	Standard	12.500	1.34	7565.397	7565.397	12.500	12.5	0.0	NO		NO	MM
9	9	180713M2_10	Standard	12.500	1.34	7667.210	7667.210	12.500	12.5	0.0	NO		NO	MM
10	10	180713M2_11	Standard	12.500	1.34	7677.587	7677.587	12.500	12.5	0.0	NO		NO	MM

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Compound name: 13C5-PFHxA
Response Factor: 1
RRF SD: 3.70074e-017, Relative SD: 3.70074e-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	180713M2_2	Standard	12.500	3.14	9437.398	9437.398	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	3.13	9104.862	9104.862	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	3.13	9792.726	9792.726	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	3.13	10105.765	10105.765	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	3.13	9413.868	9413.868	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	3.13	9291.315	9291.315	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	3.13	9400.839	9400.839	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	3.13	9995.804	9995.804	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	3.13	9148.592	9148.592	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	3.13	8180.770	8180.770	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C3-PFHxS
Response Factor: 1
RRF SD: 8.27511e-017, Relative SD: 8.27511e-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	180713M2_2	Standard	12.500	3.91	2126.146	2126.146	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	3.90	1949.449	1949.449	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	3.90	2080.835	2080.835	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	3.90	2138.366	2138.366	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	3.90	2110.084	2110.084	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	3.90	2276.151	2276.151	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	3.90	2049.348	2049.348	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	3.90	2170.835	2170.835	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	3.90	2159.760	2159.760	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	3.90	1777.163	1777.163	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:03:22 Pacific Daylight Time

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	180713M2_2	Standard	12.500	4.28	10317.344	10317.344	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.27	9907.005	9907.005	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.27	10344.438	10344.438	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.27	10808.192	10808.192	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.27	10556.896	10556.896	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.27	10738.408	10738.408	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.27	10359.516	10359.516	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.27	11046.292	11046.292	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.27	10348.838	10348.838	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.27	8668.775	8668.775	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	180713M2_2	Standard	12.500	4.72	10065.651	10065.651	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.71	9957.600	9957.600	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.71	10152.842	10152.842	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.71	10736.849	10736.849	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.71	10784.417	10784.417	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.71	9778.669	9778.669	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.71	9617.261	9617.261	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.71	11448.627	11448.627	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.71	10679.406	10679.406	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.71	9082.638	9082.638	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:03:22 Pacific Daylight Time

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	180713M2_2	Standard	12.500	4.80	2484.167	2484.167	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.79	2602.025	2602.025	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.79	2320.203	2320.203	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.79	2709.280	2709.280	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.79	2636.547	2636.547	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.79	2447.411	2447.411	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.80	2548.391	2548.391	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.79	2914.888	2914.888	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.79	2350.833	2350.833	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.80	2121.740	2121.740	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	180713M2_2	Standard	12.500	5.09	11006.571	11006.571	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.08	11087.531	11087.531	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.08	11096.681	11096.681	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.08	12458.268	12458.268	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.08	11362.268	11362.268	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.08	11192.125	11192.125	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.08	10388.725	10388.725	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.08	11815.017	11815.017	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.08	11310.272	11310.272	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.09	9426.520	9426.520	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:03:22 Pacific Daylight Time

Compound name: 13C7-PFUdA
Response Factor: 1
RRF SD: 8.27511e-017, Relative SD: 8.27511e-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	180713M2_2	Standard	12.500	5.41	14184.789	14184.789	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.41	14312.807	14312.807	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.41	16085.883	16085.883	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.41	16971.828	16971.828	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.41	17685.236	17685.236	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.41	15588.641	15588.641	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.41	15606.623	15606.623	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.41	16902.500	16902.500	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.41	15030.426	15030.426	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.41	12482.979	12482.979	12.500	12.5	0.0	NO		NO	bb

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Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:26:46 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Name: 180713M2_2, Date: 13-Jul-2018, Time: 16:32:35, ID: ST180713M2-1 PFC CS-2 18G0504, Description: PFC CS-2 18G0504

	#	Name	IS#	CoD	CoD Flag	%RSD
1	1	PFBA	36	0.9999	NO	
2	2	PFPeA	37	1.0000	NO	
3	3	PFBS	38	0.9992	NO	
4	4	4:2 FTS	39	0.9916	NO	
5	5	PFHxA	40	0.9998	NO	
6	6	PFPeS	38	0.9969	NO	
7	7	PFHpA	41	0.9992	NO	
8	8	L-PFHxS	42	0.9972	NO	
9	10	6:2 FTS	43	0.9926	NO	
10	11	L-PFOA	44	0.9996	NO	
11	13	PFHpS	47	0.9998	NO	
12	14	PFNA	45	0.9987	NO	
13	15	PFOSA	46	0.9970	NO	
14	16	L-PFOS	47	0.9992	NO	
15	18	PFDA	48	0.9993	NO	
16	19	8:2 FTS	49	0.9974	NO	
17	20	PFNS	47	0.9992	NO	
18	21	L-MeFOSAA	50	0.9998	NO	
19	23	L-EtFOSAA	51	0.9922	NO	

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Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:26:58 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Name: 180713M2_2, Date: 13-Jul-2018, Time: 16:32:35, ID: ST180713M2-1 PFC CS-2 18G0504, Description: PFC CS-2 18G0504

	#	Name	IS#	CoD	CoD Flag	%RSD
1	25	PFUdA	52	0.9993	NO	
2	26	PFDS	52	0.9981	NO	
3	27	PFDoA	53	0.9988	NO	
4	28	N-MeFOSA	54	0.9996	NO	
5	29	PFTrDA	53	0.9999	NO	
6	30	PFTeDA	55	0.9996	NO	
7	31	N-EtFOSA	56	0.9998	NO	
8	32	PFHxDA	57	0.9962	NO	
9	33	PFODA	57	0.9946	NO	
10	34	N-MeFOSE	58	0.9994	NO	
11	35	N-EtFOSE	59	0.9998	NO	
12	36	13C3-PFBA	60		NO	1.831
13	37	13C3-PFPeA	61		NO	3.124
14	38	13C3-PFBS	61		NO	3.481
15	39	13C2-4:2 FTS	61		NO	10.778
16	40	13C2-PFHxA	61		NO	4.391
17	41	13C4-PFHpA	61		NO	3.055
18	42	18O2-PFHxS	62		NO	7.368
19	43	13C2-6:2 FTS	63		NO	16.581
20	44	13C2-PFOA	63		NO	3.835
21	45	13C5-PFNA	64		NO	4.934
22	46	13C8-PFOSA	67		NO	7.811
23	47	13C8-PFOS	65		NO	6.827
24	48	13C2-PFDA	66		NO	4.881
25	49	13C2-8:2 FTS	61		NO	7.423
26	50	d3-N-MeFOSAA	67		NO	13.218
27	51	d5-N-EtFOSAA	67		NO	8.634
28	52	13C2-PFUdA	67		NO	8.085
29	53	13C2-PFDoA	66		NO	5.732
30	54	d3-N-MeFOSA	67		NO	8.857
31	55	13C2-PFTeDA	67		NO	12.884
32	56	d5-N-ETFOSA	67		NO	5.248

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:26:58 Pacific Daylight Time

Name: 180713M2_2, Date: 13-Jul-2018, Time: 16:32:35, ID: ST180713M2-1 PFC CS-2 18G0504, Description: PFC CS-2 18G0504

	#	Name	IS#	CoD	CoD Flag	%RSD
33	57	13C2-PFHxDA	67		NO	17.174
34	58	d7-N-MeFOSE	67		NO	9.795
35	59	d9-N-EtFOSE	67		NO	5.866
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

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Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:27:26 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Name: 180713M2_7, Date: 13-Jul-2018, Time: 17:24:55, ID: ST180713M2-6 PFC CS3 18G0509, Description: PFC CS3 18G0509

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.612	NO
4	4:2 FTS	1.443	NO
5	PFHxA	301.141	NO
6	PFPeS	1.619	NO
7	PFHpA	16.893	NO
8	L-PFHxS	1.399	NO
9	6:2 FTS	2.488	NO
10	L-PFOA	3.373	NO
11	PFHpS	2.046	NO
12	PFNA	3.834	NO
13	PFOSA	31.985	NO
14	L-PFOS	2.597	NO
15	PFDA	5.714	NO
16	8:2 FTS	2.498	NO
17	PFNS	1.601	NO
18	L-MeFOSAA	16.630	NO
19	L-EtFOSAA	15.252	NO

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Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:27:40 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Name: 180713M2_7, Date: 13-Jul-2018, Time: 17:24:55, ID: ST180713M2-6 PFC CS3 18G0509, Description: PFC CS3 18G0509

	Name	Ion Ratio	Ratio out?
1	PFUdA	11.135	NO
2	PFDS	2.687	NO
3	PFDoA	8.400	NO
4	N-MeFOSA	1.355	NO
5	PFTrDA	22.843	NO
6	PFTeDA	10.544	NO
7	N-EtFOSA	1.418	NO
8	PFHxDA	22.847	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Saturday, July 14, 2018 11:53:11 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:53:23 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
1	1	180713M2_1	IPA	13-Jul-18	16:22:10
2	2	180713M2_2	ST180713M2-1 PFC CS-2 18G0504	13-Jul-18	16:32:35
3	3	180713M2_3	ST180713M2-2 PFC CS-1 18G0505	13-Jul-18	16:43:04
4	4	180713M2_4	ST180713M2-3 PFC CS0 18G0506	13-Jul-18	16:53:30
5	5	180713M2_5	ST180713M2-4 PFC CS1 18G0507	13-Jul-18	17:04:00
6	6	180713M2_6	ST180713M2-5 PFC CS2 18G0508	13-Jul-18	17:14:24
7	7	180713M2_7	ST180713M2-6 PFC CS3 18G0509	13-Jul-18	17:24:55
8	8	180713M2_8	ST180713M2-7 PFC CS4 18G0510	13-Jul-18	17:35:19
9	9	180713M2_9	ST180713M2-8 PFC CS5 18G0511	13-Jul-18	17:45:50
10	10	180713M2_10	ST180713M2-9 PFC CS6 18G0512	13-Jul-18	17:56:15
11	11	180713M2_11	ST180713M2-10 PFC CS7 18G0513	13-Jul-18	18:06:45
12	12	180713M2_12	IPA	13-Jul-18	18:17:33
13	13	180713M2_13	ICV180713M2-1 PFC 537 ICV 18G0514	13-Jul-18	18:27:59

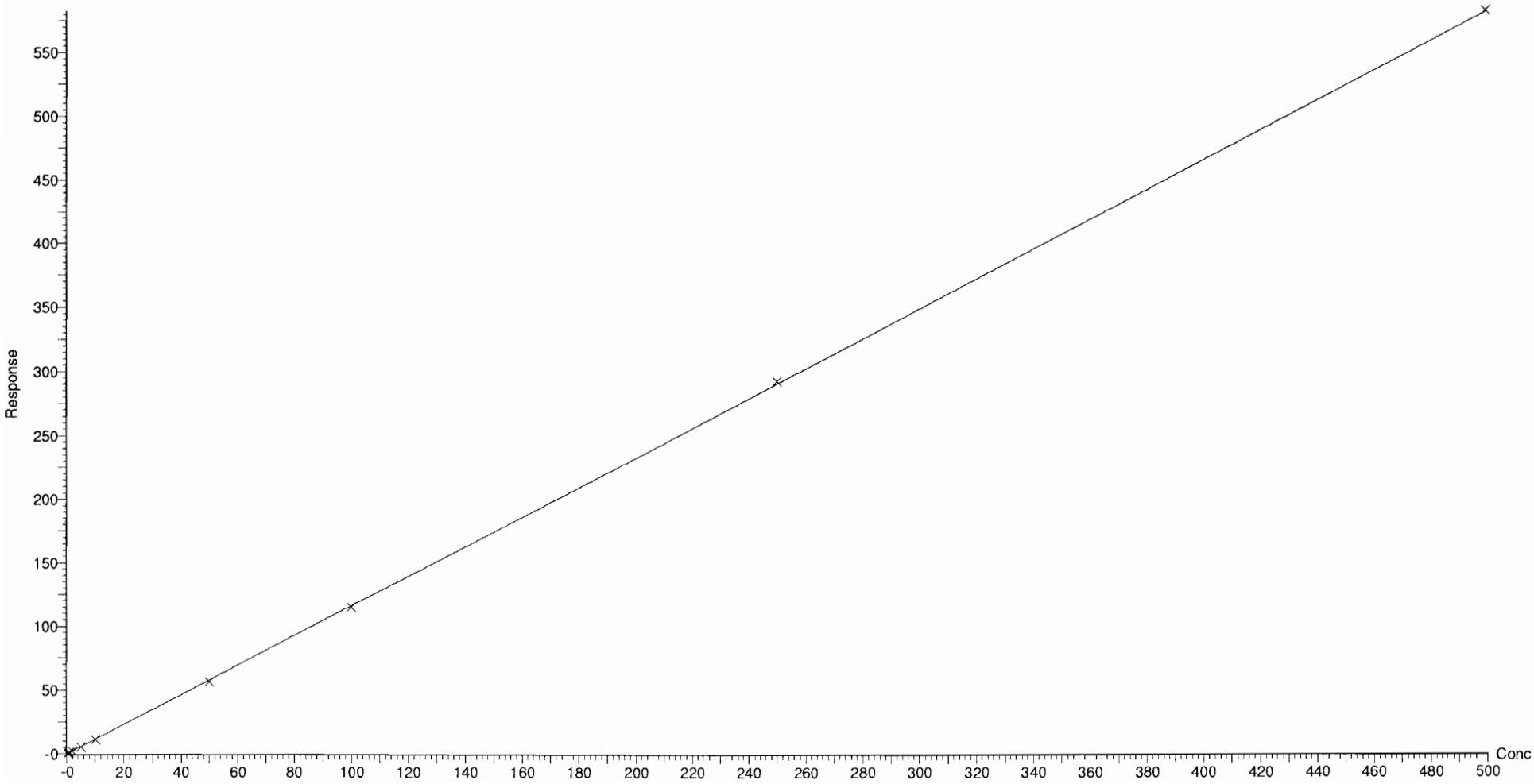
Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:28:13 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

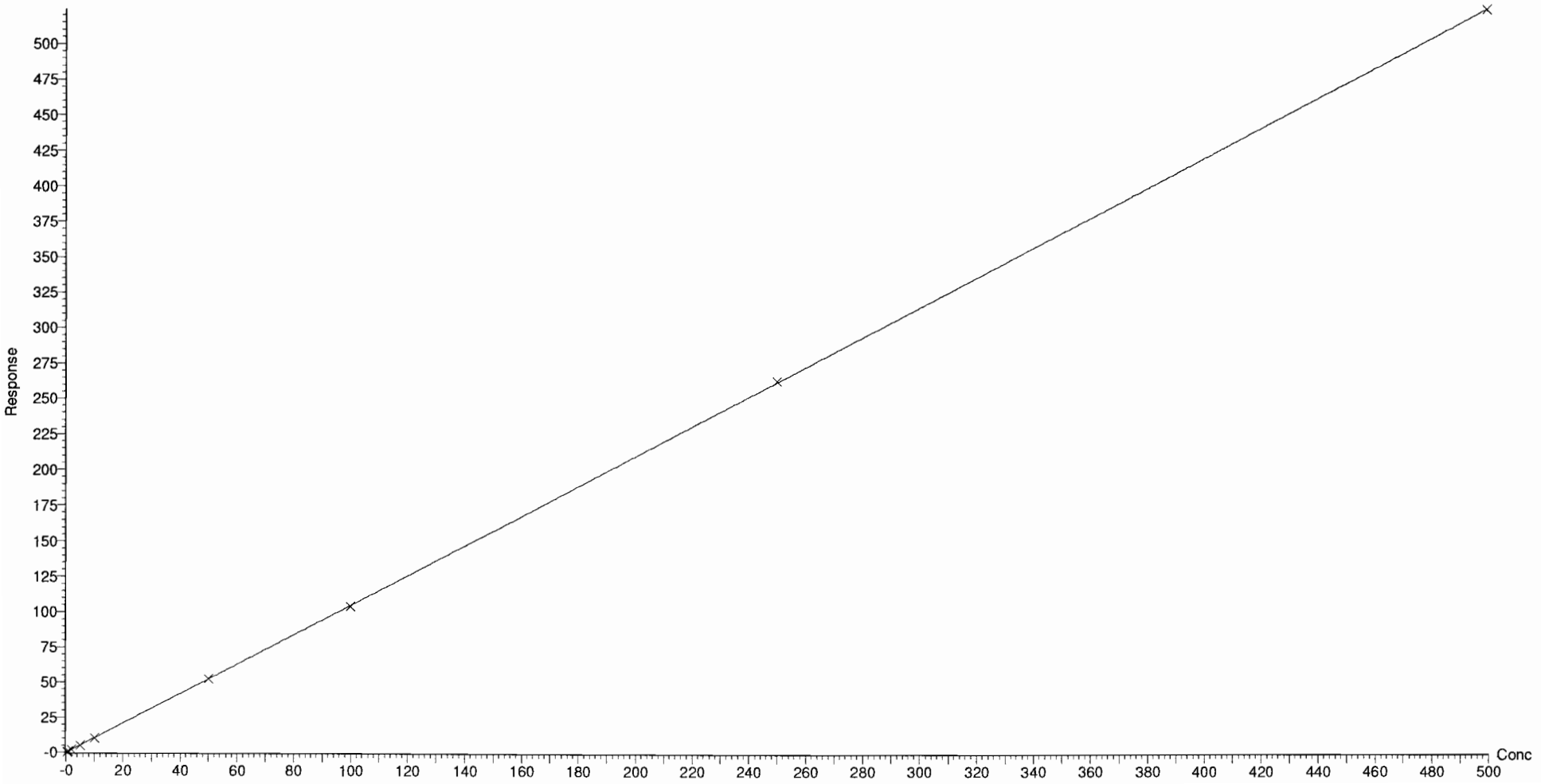
Compound name: PFBA
Correlation coefficient: r = 0.999955, r^2 = 0.999910
Calibration curve: 1.16251 * x + -0.0451921
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

Compound name: PFPeA
Coefficient of Determination: R^2 = 0.999967
Calibration curve: 2.39452e-007 * x^2 + 1.04805 * x + -0.0285583
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

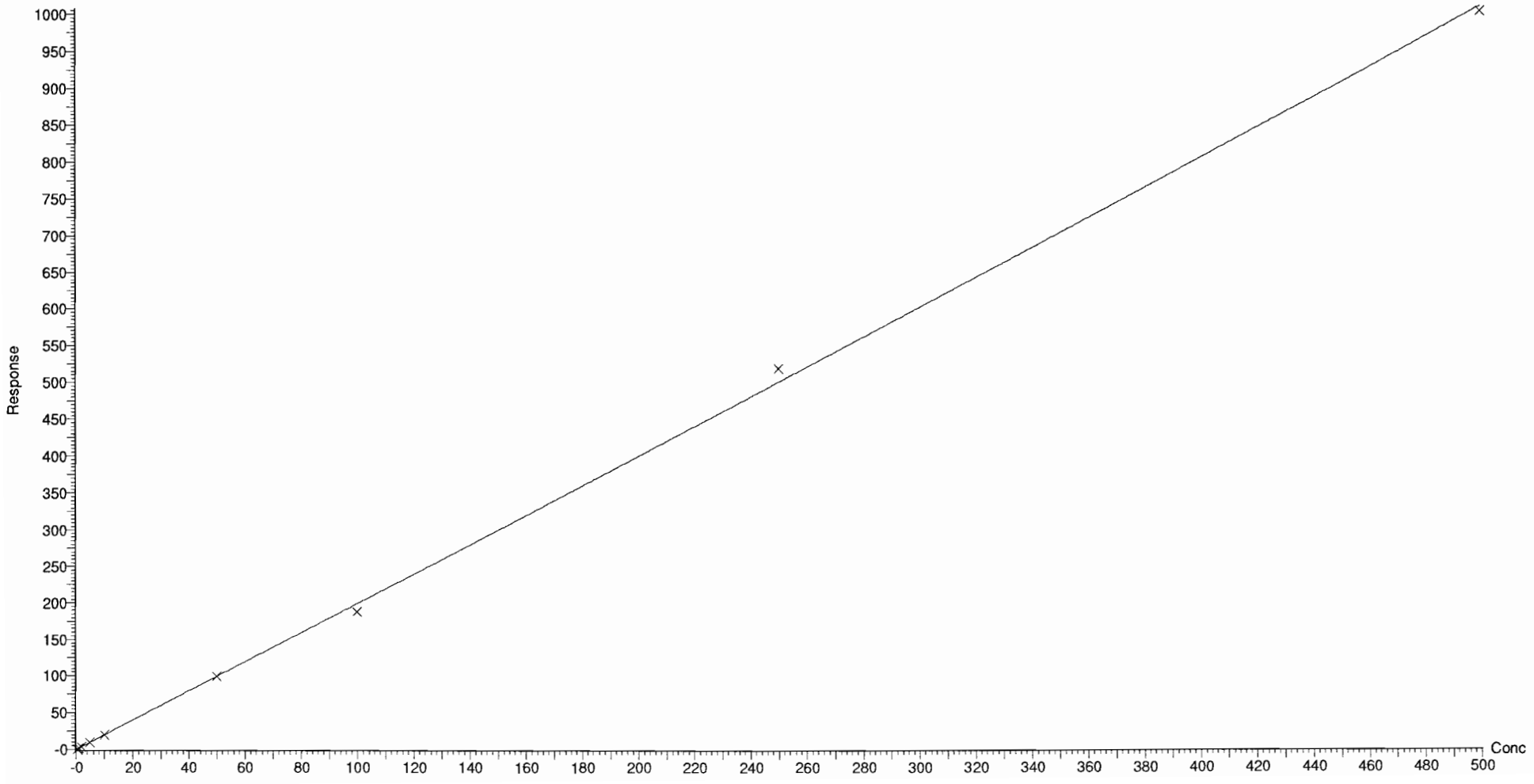


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

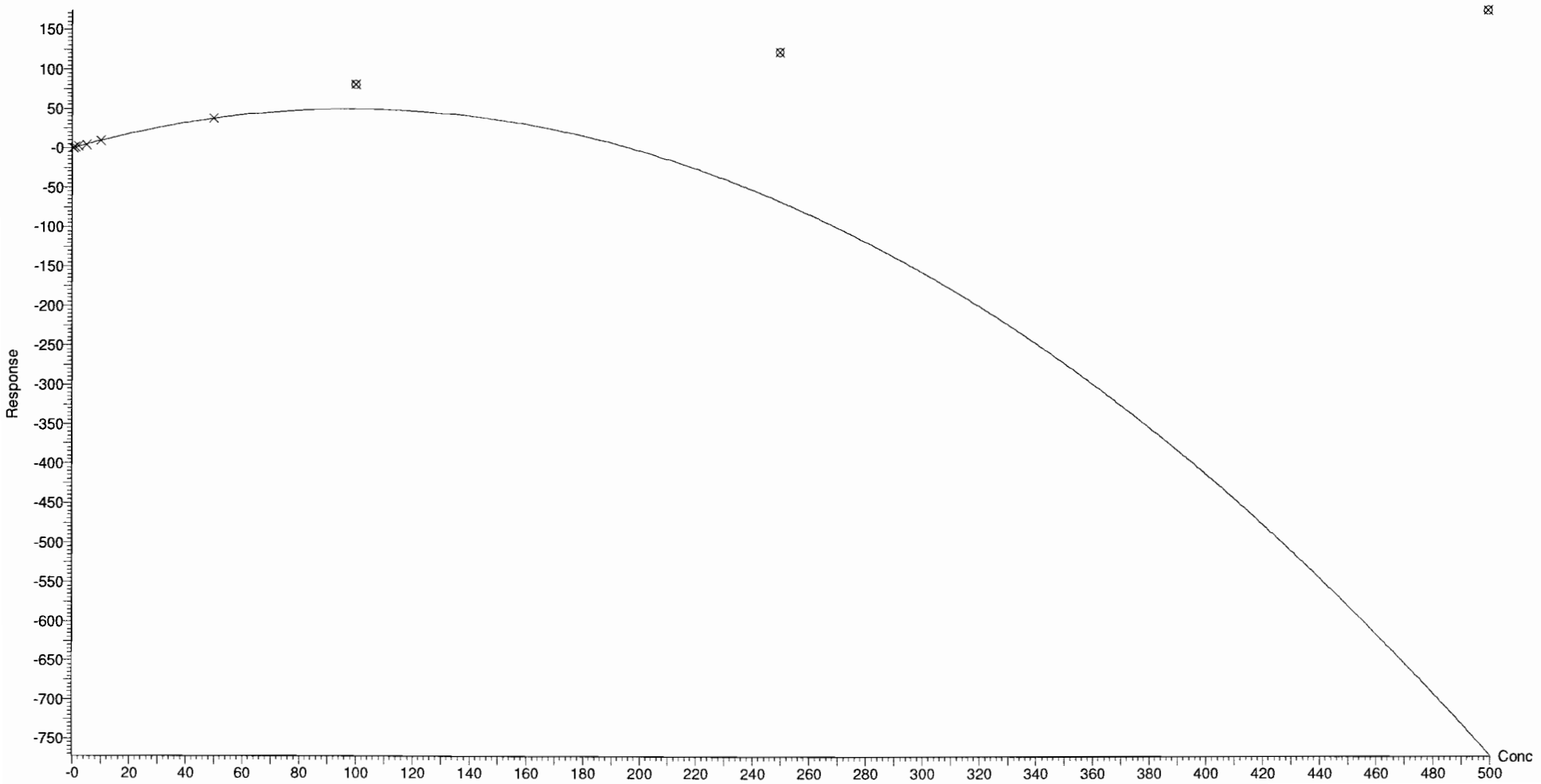
Compound name: PFBS
Coefficient of Determination: R^2 = 0.999243
Calibration curve: 5.9754e-005 * x^2 + 1.98574 * x + -0.0268496
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

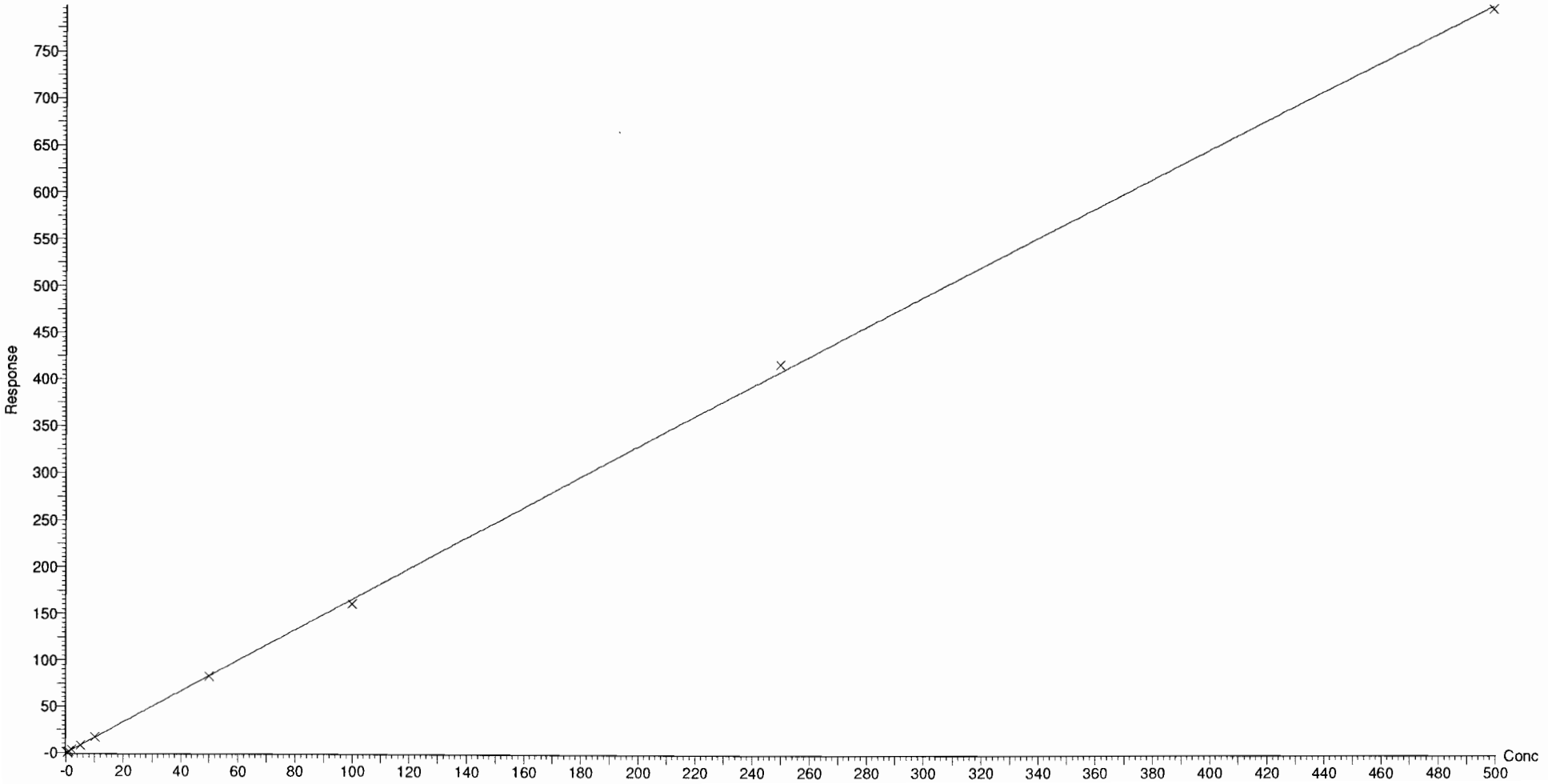
Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.991600
Calibration curve: -0.00509841 * x^2 + 1.00688 * x + 0.0504503
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

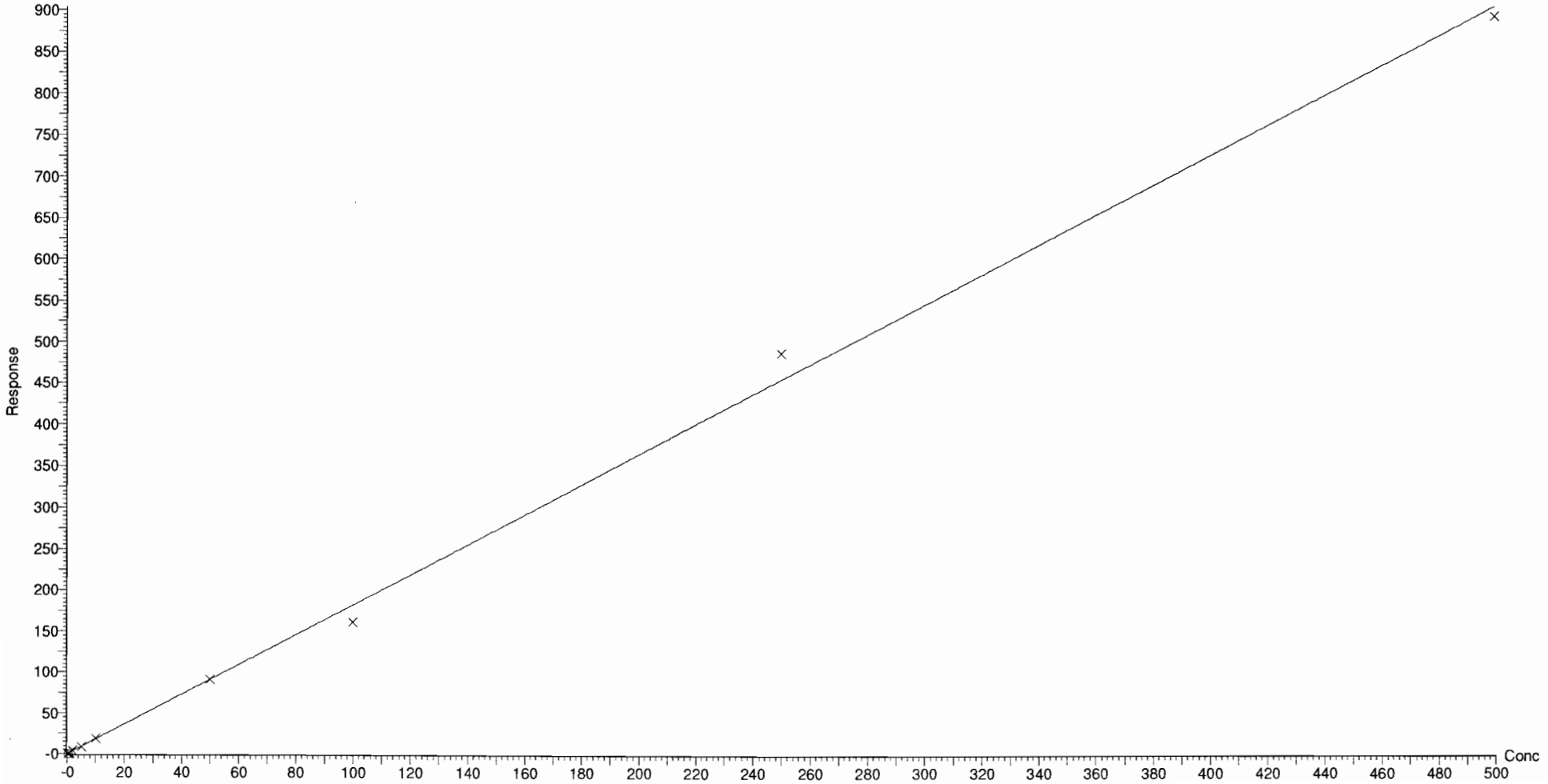
Compound name: PFHxA
Coefficient of Determination: R^2 = 0.999773
Calibration curve: -0.000157569 * x^2 + 1.67566 * x + 0.00465615
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

Compound name: PFPeS
Coefficient of Determination: R^2 = 0.996948
Calibration curve: -3.93496e-005 * x^2 + 1.8276 * x + 0.0202429
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\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

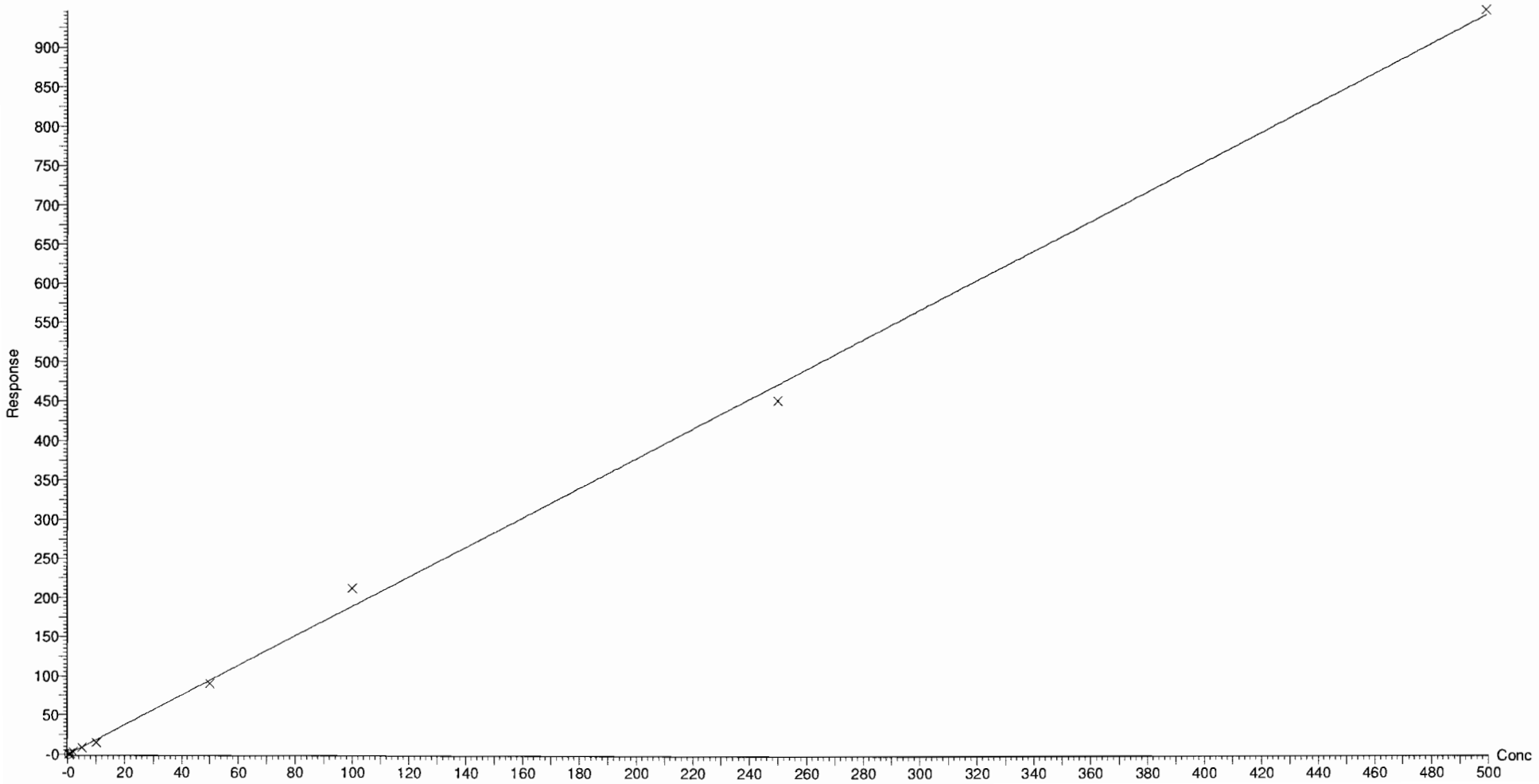
Compound name: PFHpA
Correlation coefficient: r = 0.999622, r^2 = 0.999245
Calibration curve: 1.14587 * x + -0.00381186
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

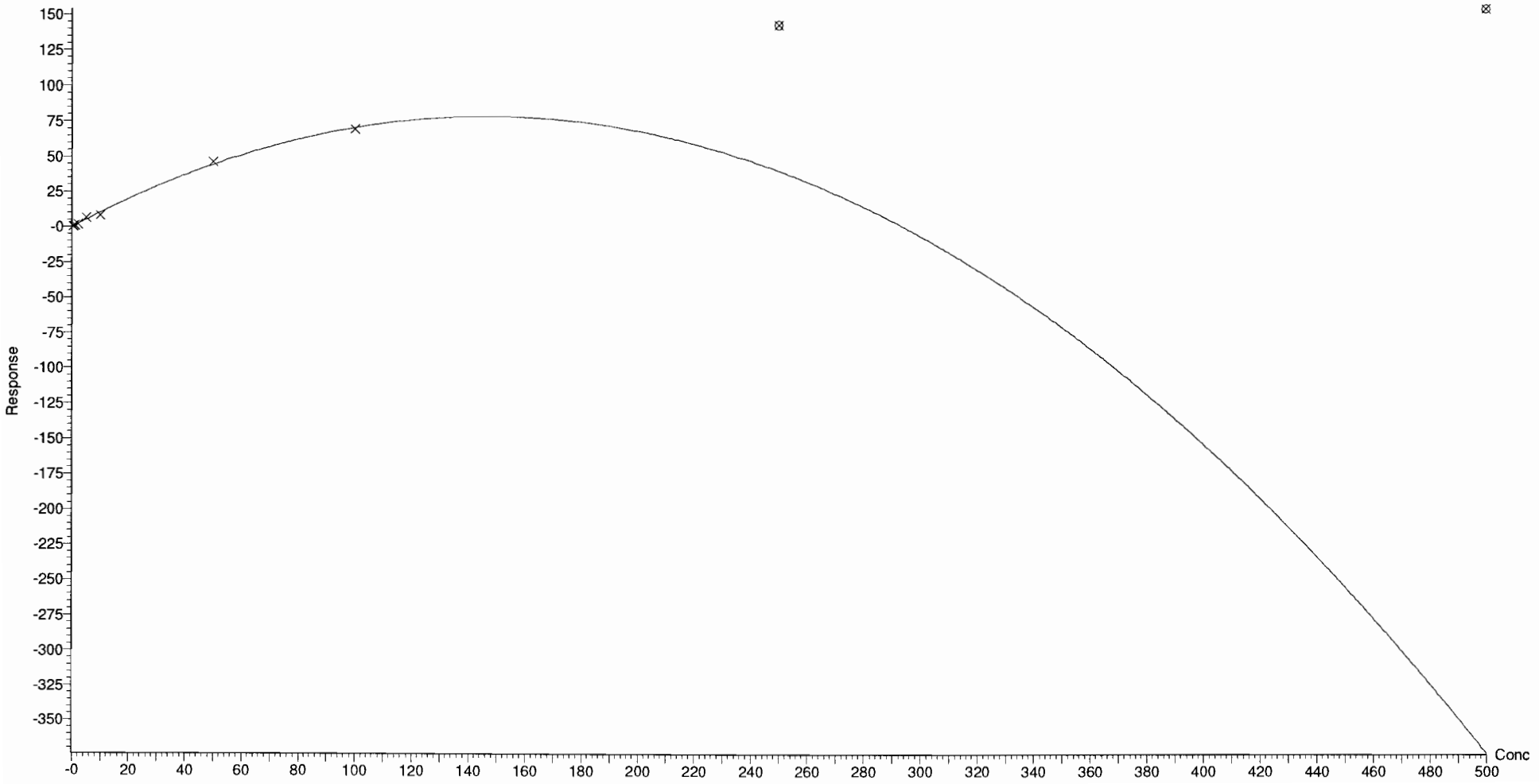
Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.997173
Calibration curve: -3.32438e-005 * x^2 + 1.89654 * x + -0.113942
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

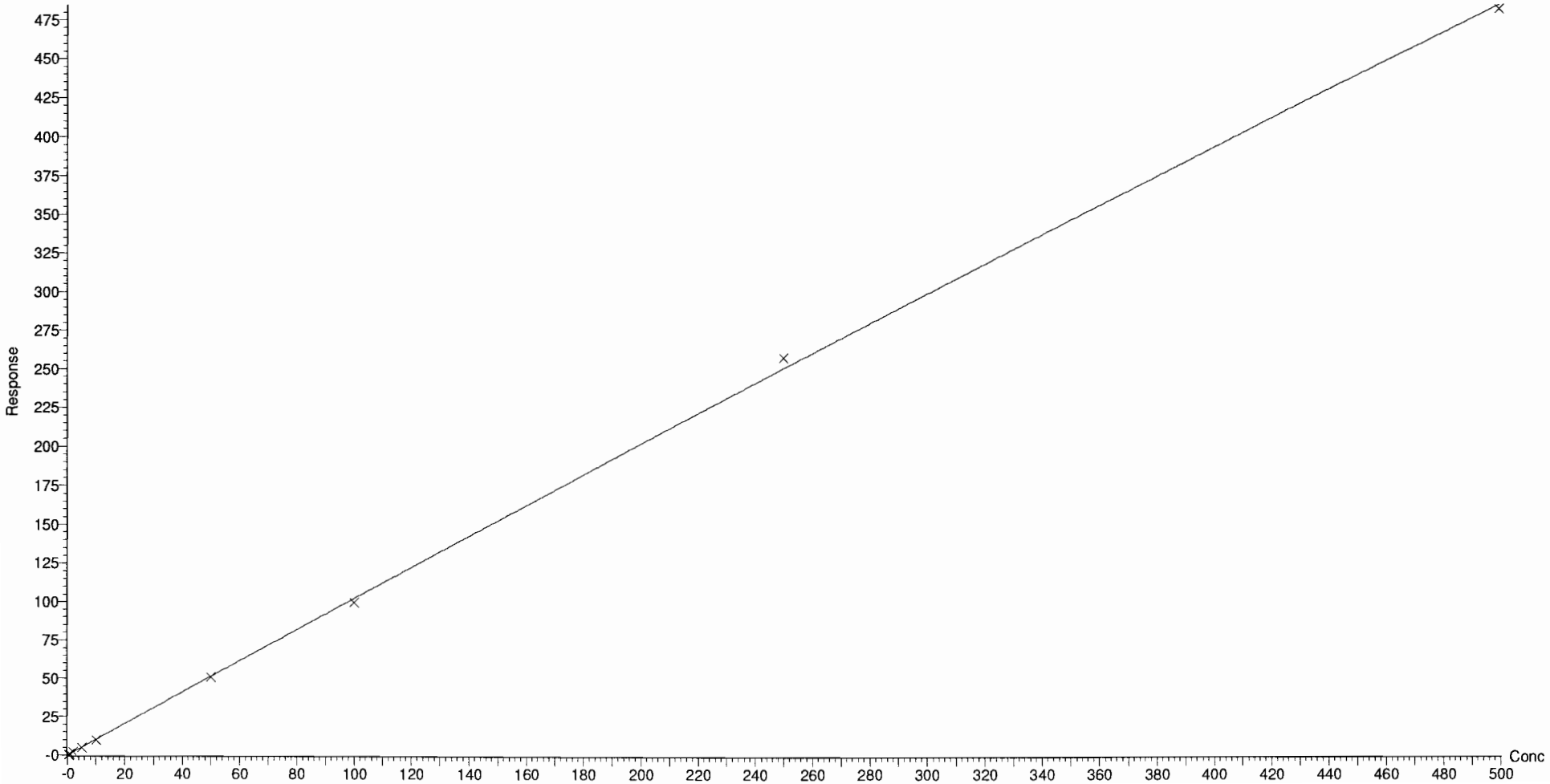
Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.992640
Calibration curve: -0.00363281 * x^2 + 1.06986 * x + 0.0404678
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

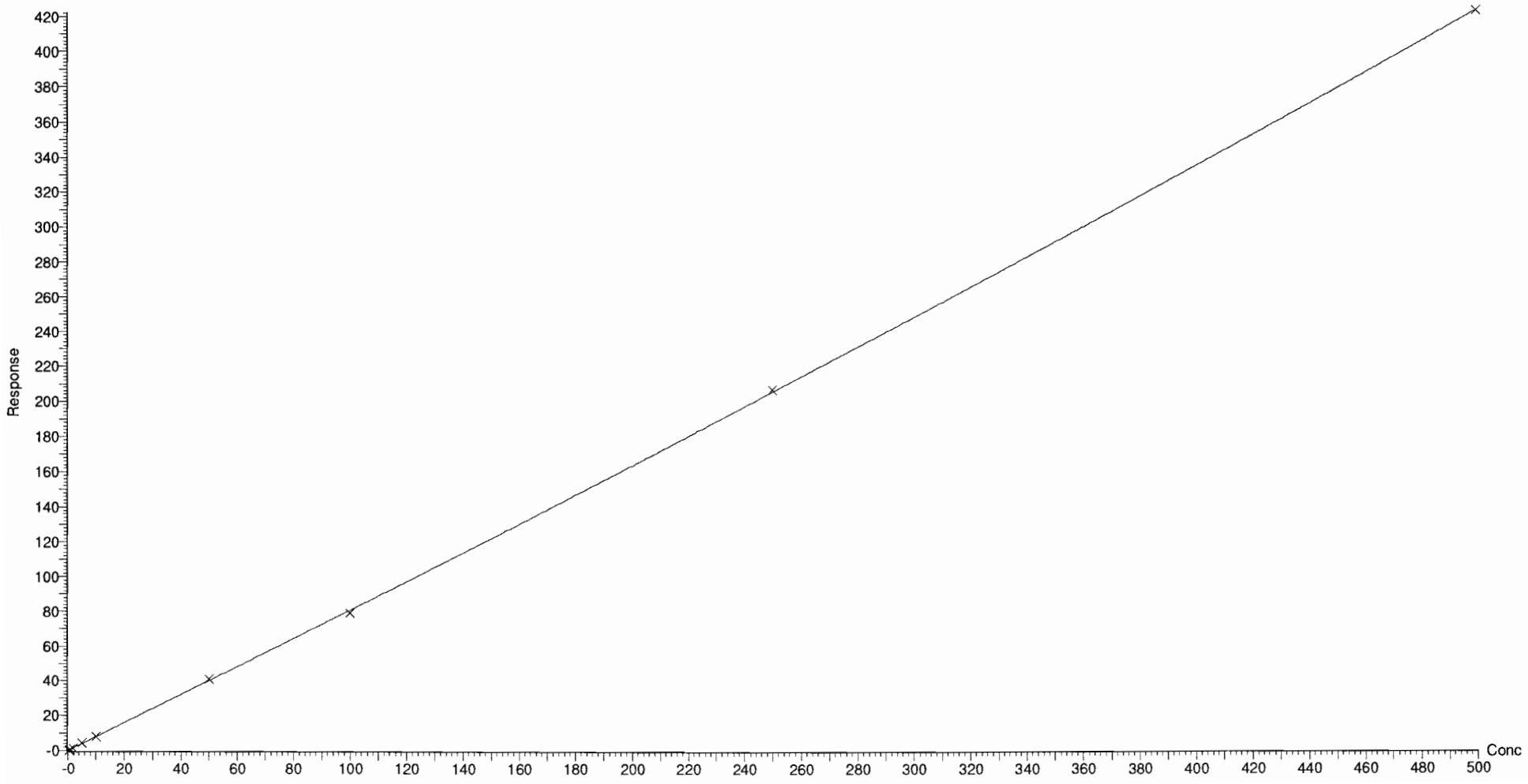
Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999570
Calibration curve: -0.000135637 * x^2 + 1.03679 * x + 0.0112548
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

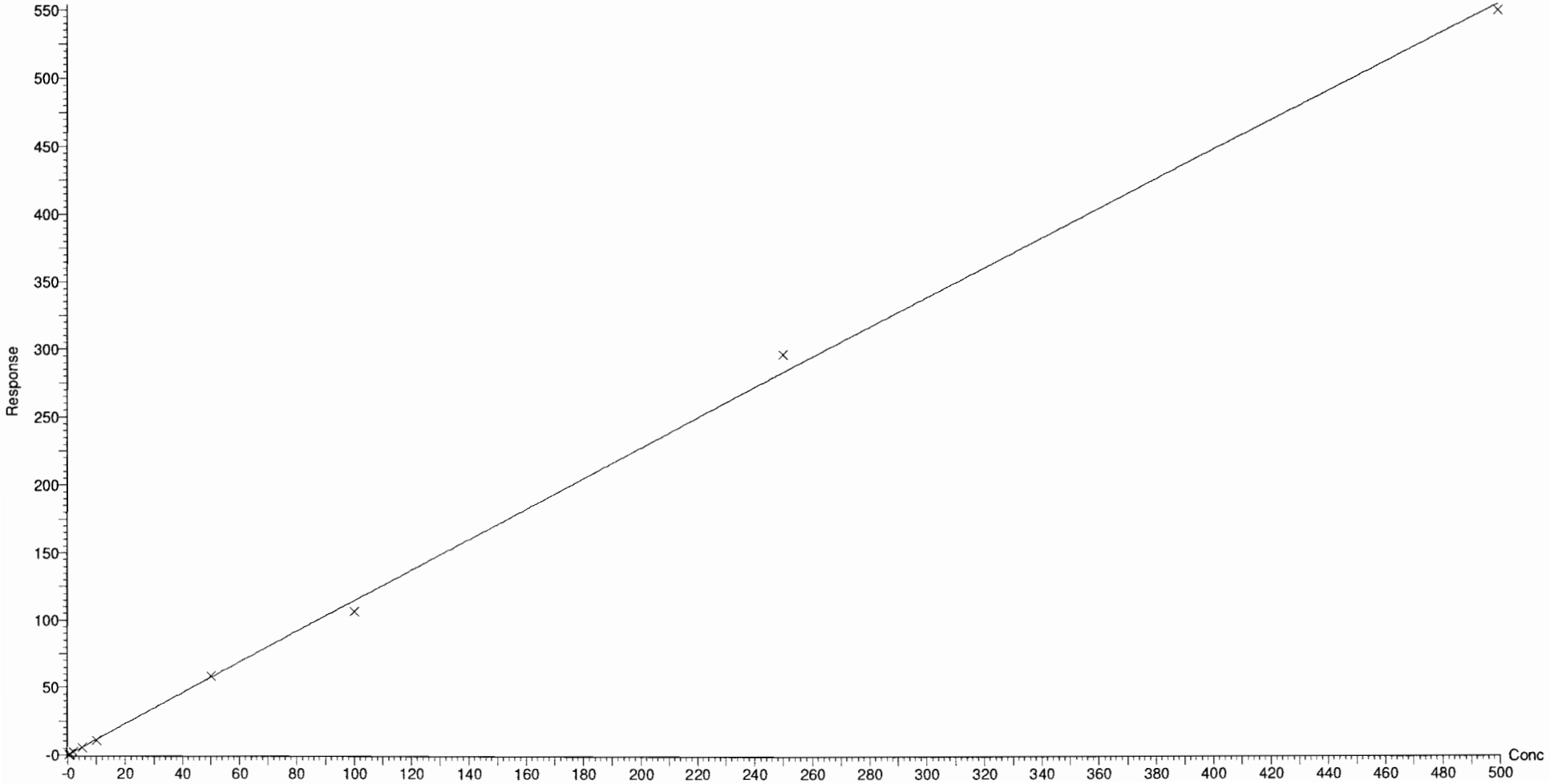
Compound name: PFHpS
Coefficient of Determination: R^2 = 0.999793
Calibration curve: 9.42702e-005 * x^2 + 0.797931 * x + 0.0186391
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

Compound name: PFNA
Coefficient of Determination: R^2 = 0.998681
Calibration curve: -0.000100247 * x^2 + 1.1576 * x + -0.00514313
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

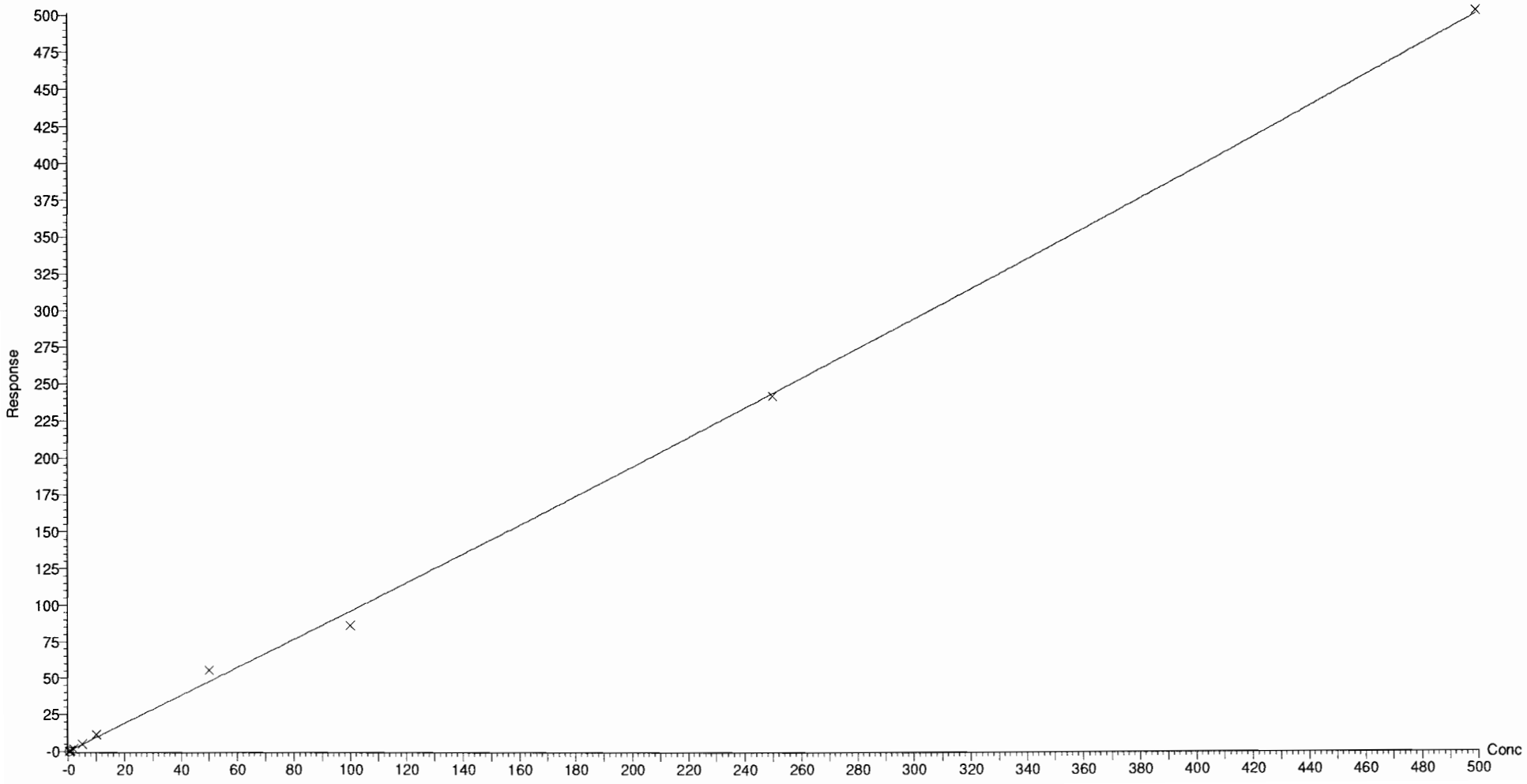


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
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Compound name: PFOSA
Coefficient of Determination: R^2 = 0.996978
Calibration curve: 0.000104019 * x^2 + 0.946348 * x + 0.123783
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\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

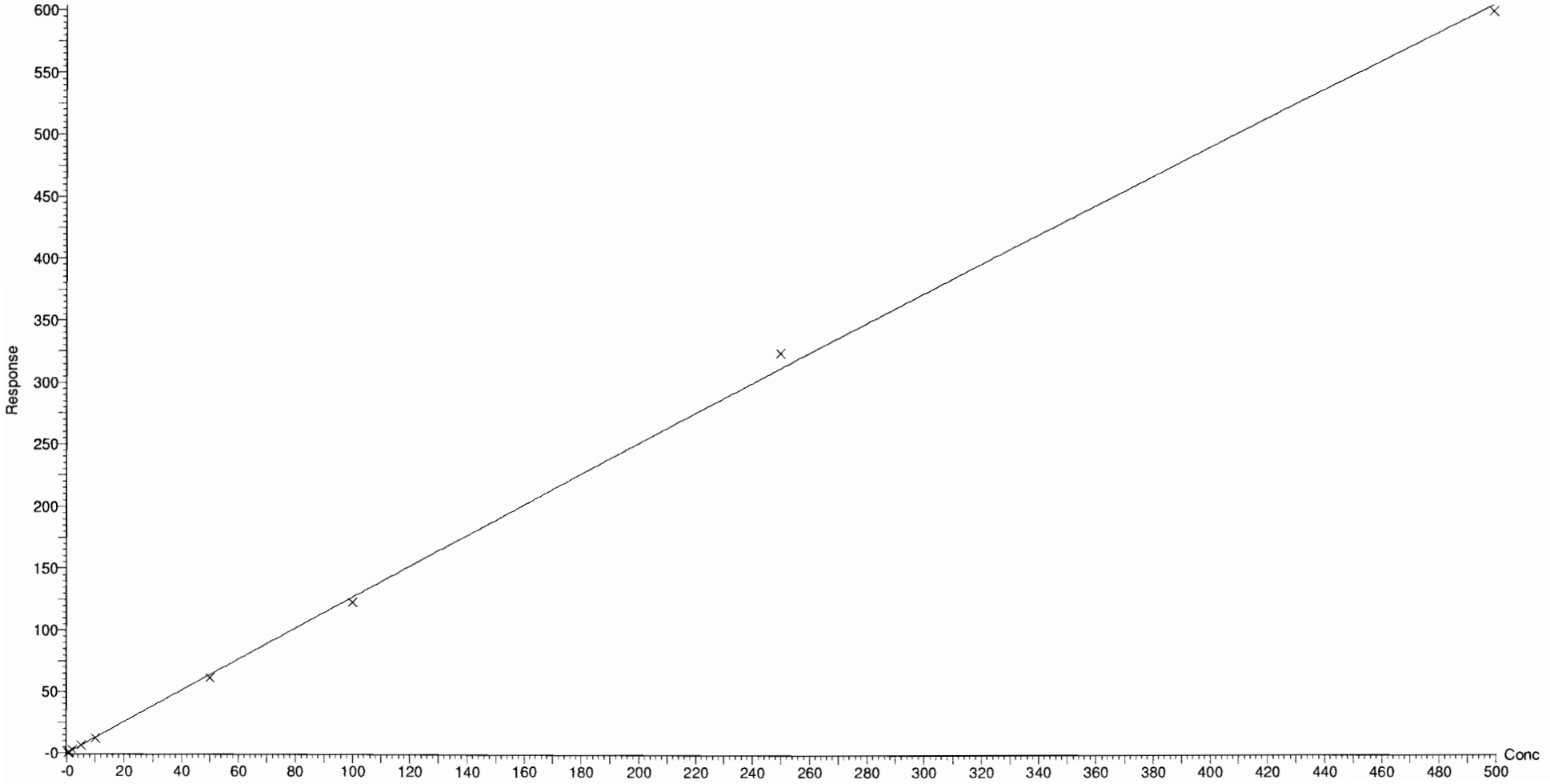
Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.999172
Calibration curve: 0.000233571 * x^2 + 0.836315 * x + 0.162777
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

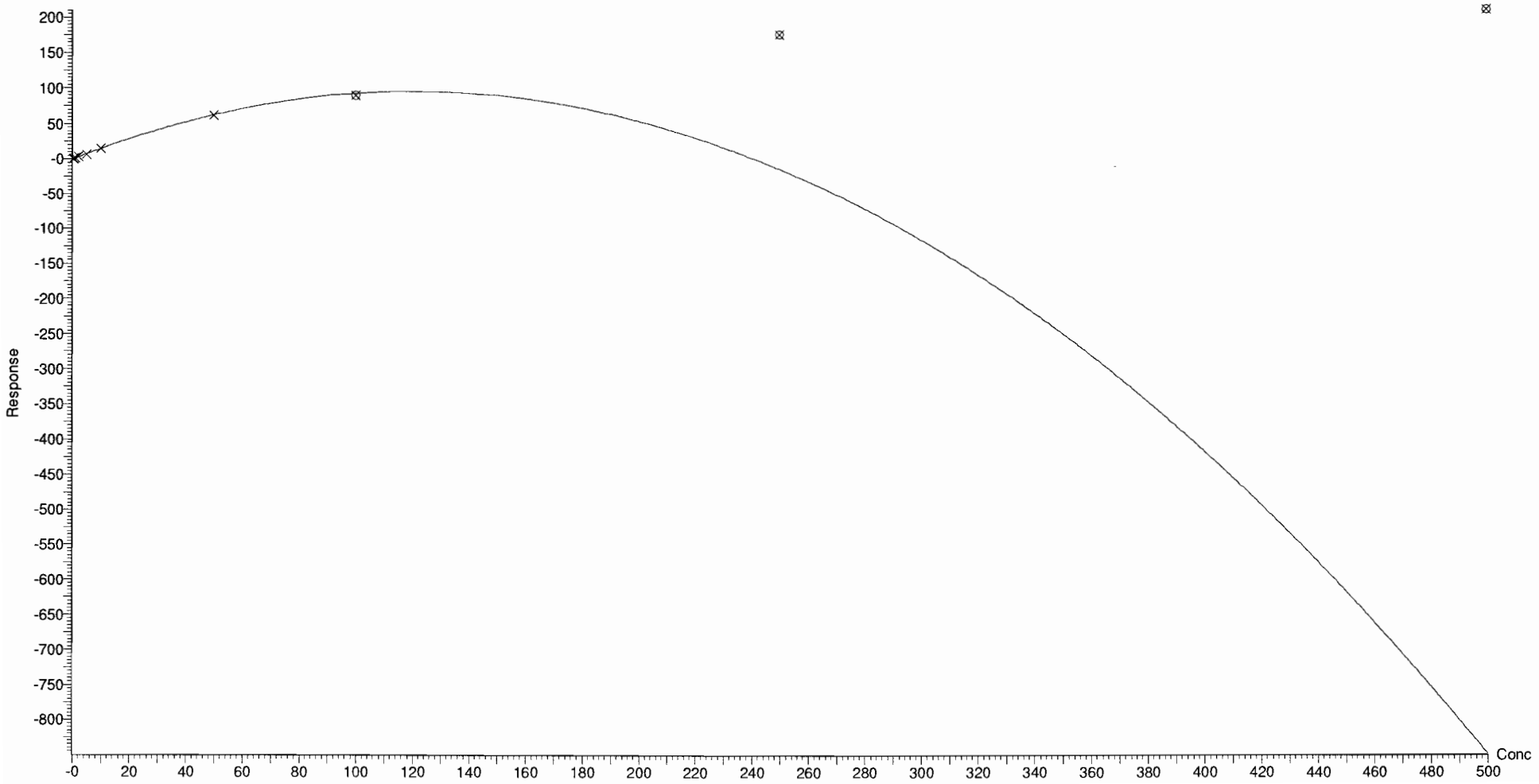
Compound name: PFDA
Coefficient of Determination: R^2 = 0.999285
Calibration curve: -0.00016162 * x^2 + 1.28819 * x + 0.00361251
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.997393
Calibration curve: -0.00656968 * x^2 + 1.5864 * x + -0.215909
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

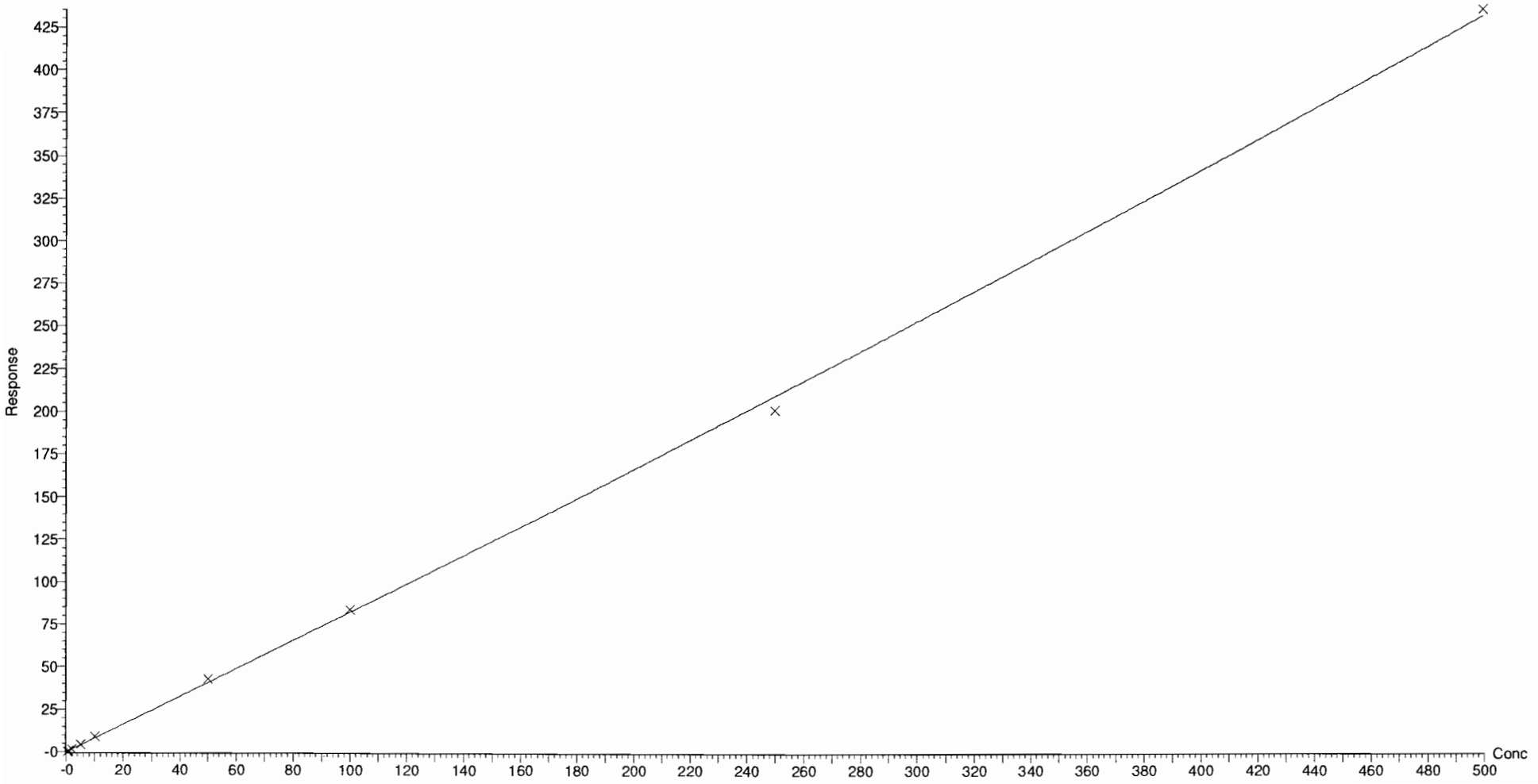


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

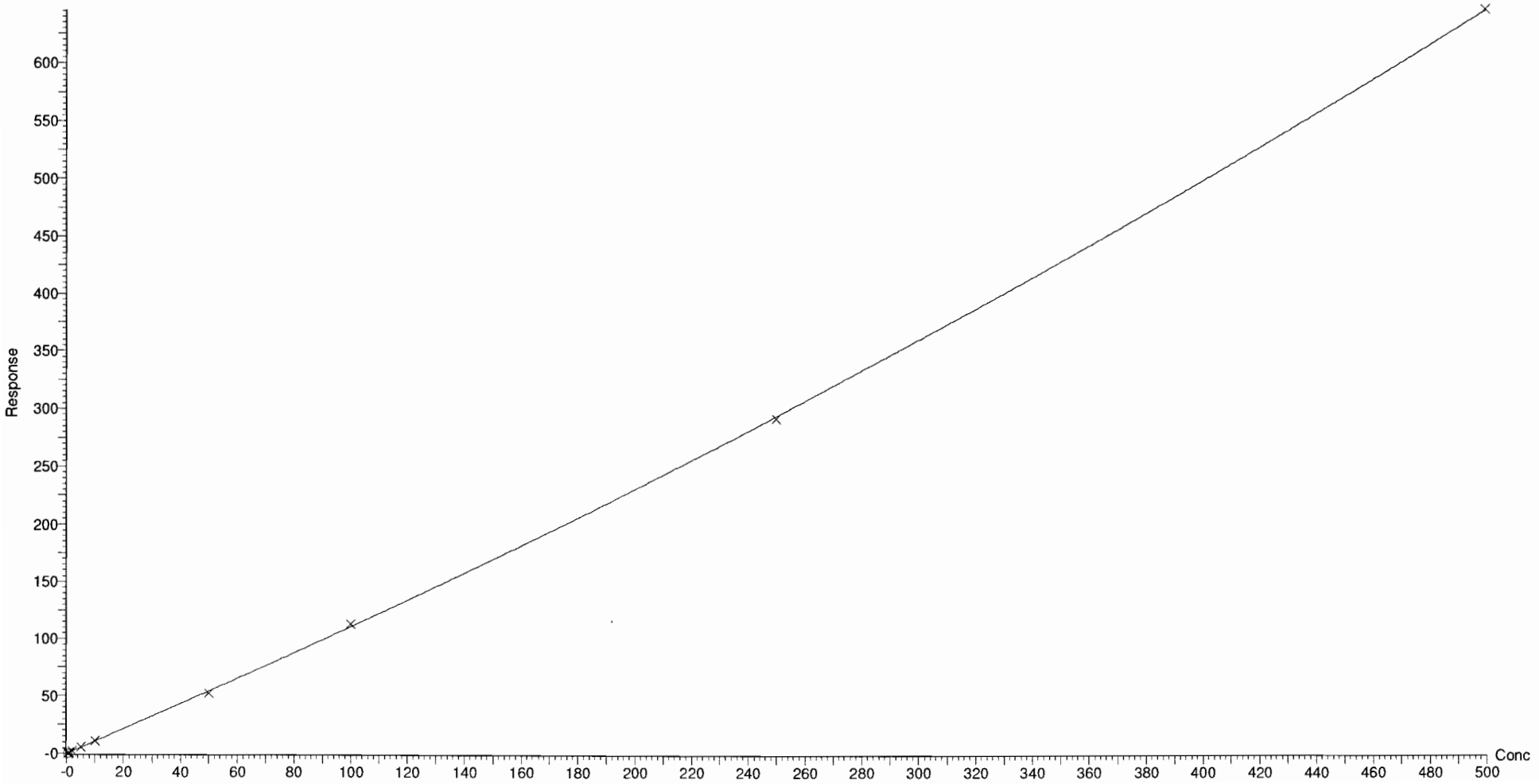
Compound name: PFNS
Coefficient of Determination: R^2 = 0.999190
Calibration curve: 0.00010378 * x^2 + 0.810942 * x + 0.070685
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:09 Pacific Daylight Time

Compound name: L-MeFOSAA
Coefficient of Determination: R^2 = 0.999760
Calibration curve: 0.000455852 * x^2 + 1.06163 * x + 0.0107949
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

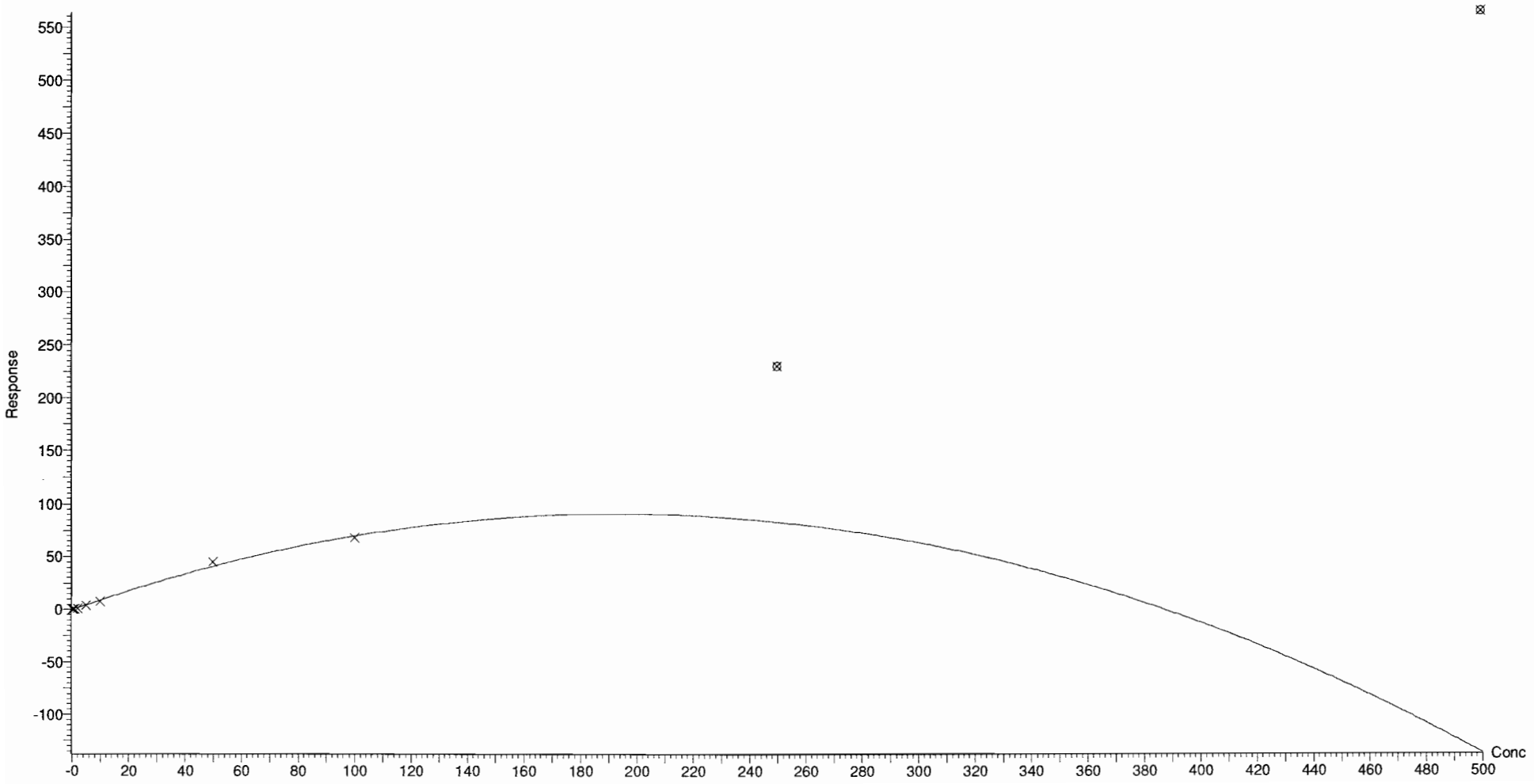


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:28:13 Pacific Daylight Time

Compound name: L-EtFOSAA
Coefficient of Determination: R^2 = 0.992175
Calibration curve: -0.00242935 * x^2 + 0.940875 * x + -0.0726806
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



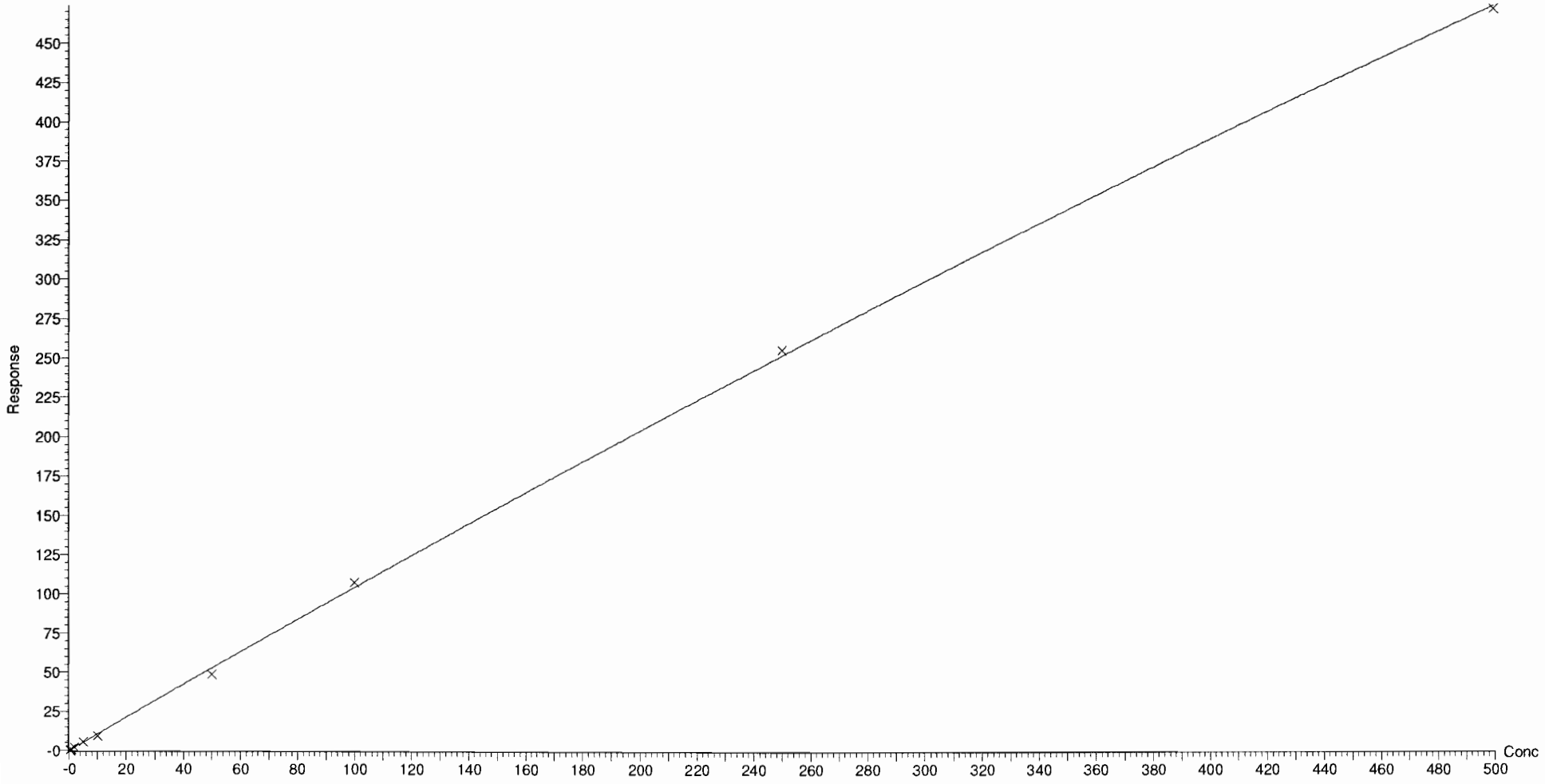
Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:29:05 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFUdA
Coefficient of Determination: R^2 = 0.999274
Calibration curve: -0.000244303 * x^2 + 1.06937 * x + 0.0299947
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

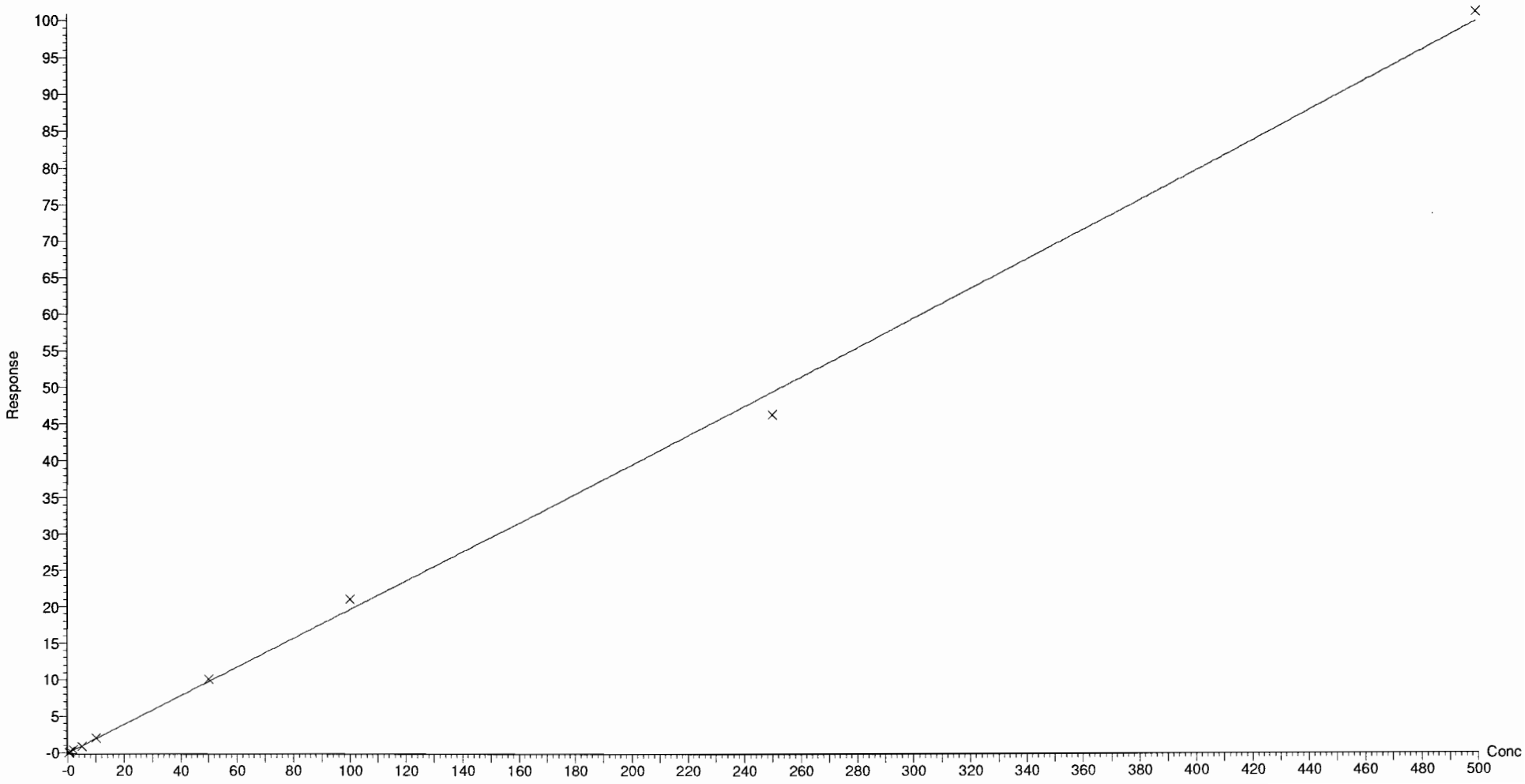


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:18 Pacific Daylight Time

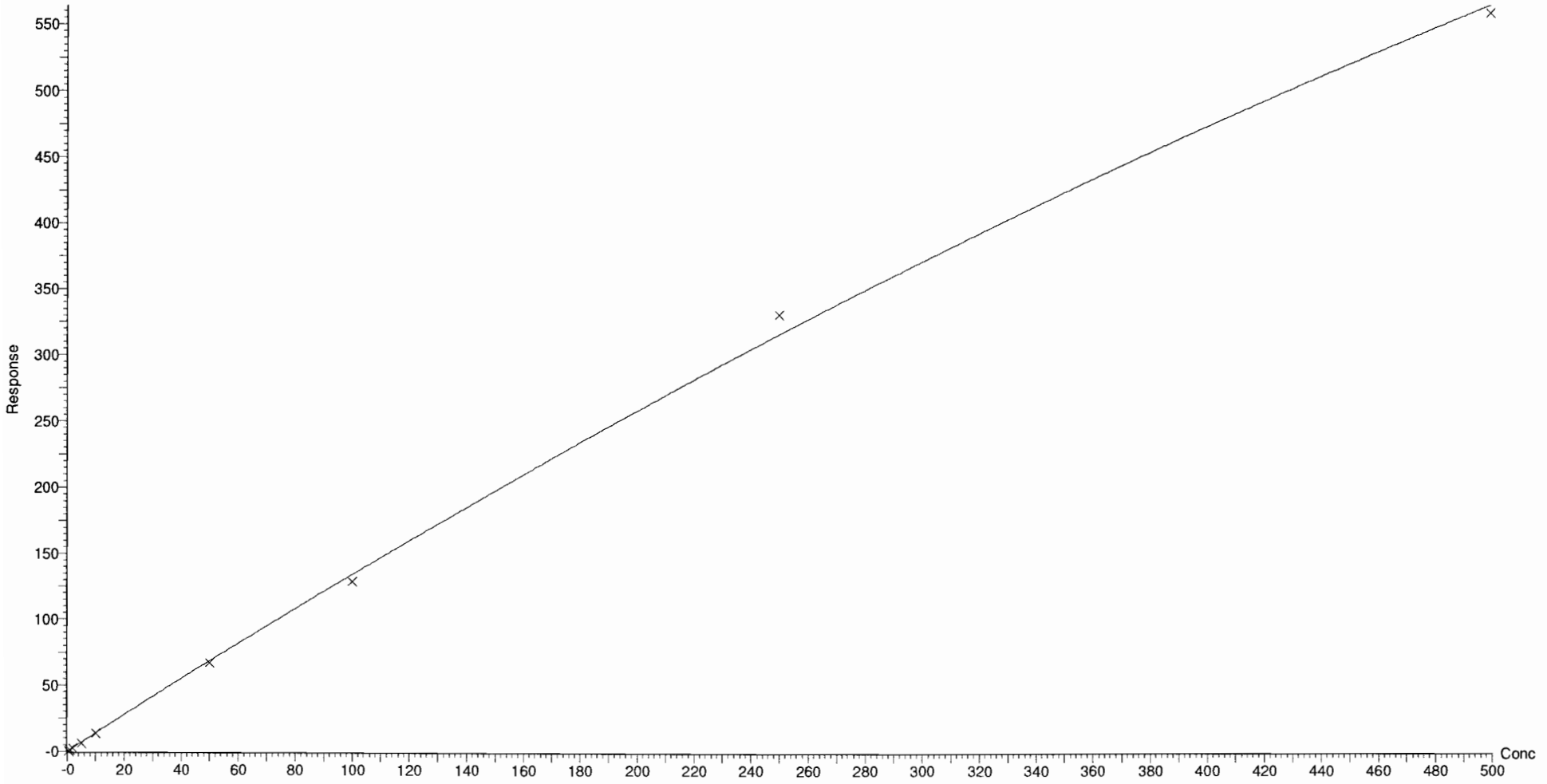
Compound name: PFDS
Coefficient of Determination: R^2 = 0.998098
Calibration curve: 7.36629e-006 * x^2 + 0.195558 * x + -0.00456631
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:18 Pacific Daylight Time

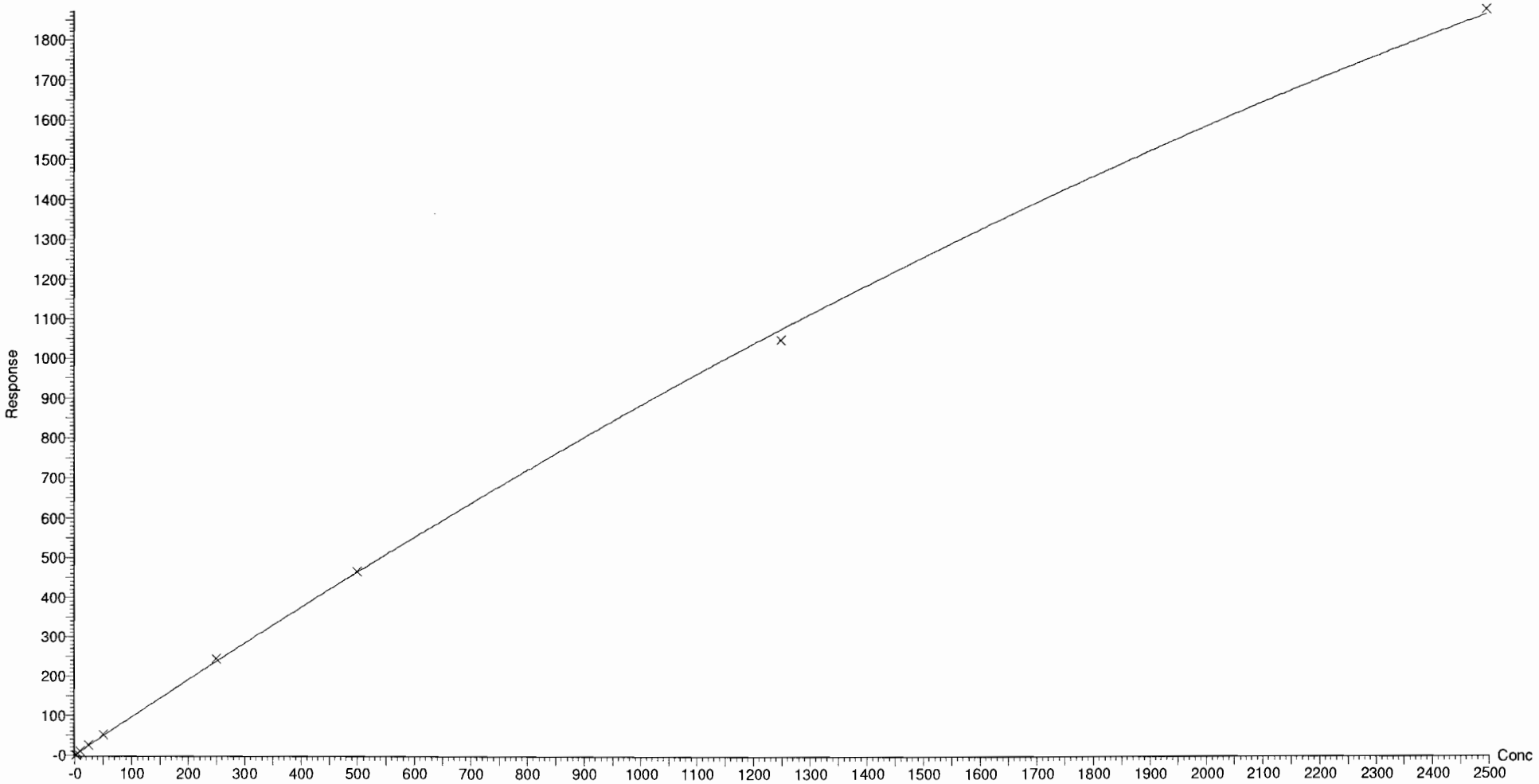
Compound name: PFDoA
Coefficient of Determination: R^2 = 0.998812
Calibration curve: -0.000548085 * x^2 + 1.40193 * x + -0.132588
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:18 Pacific Daylight Time

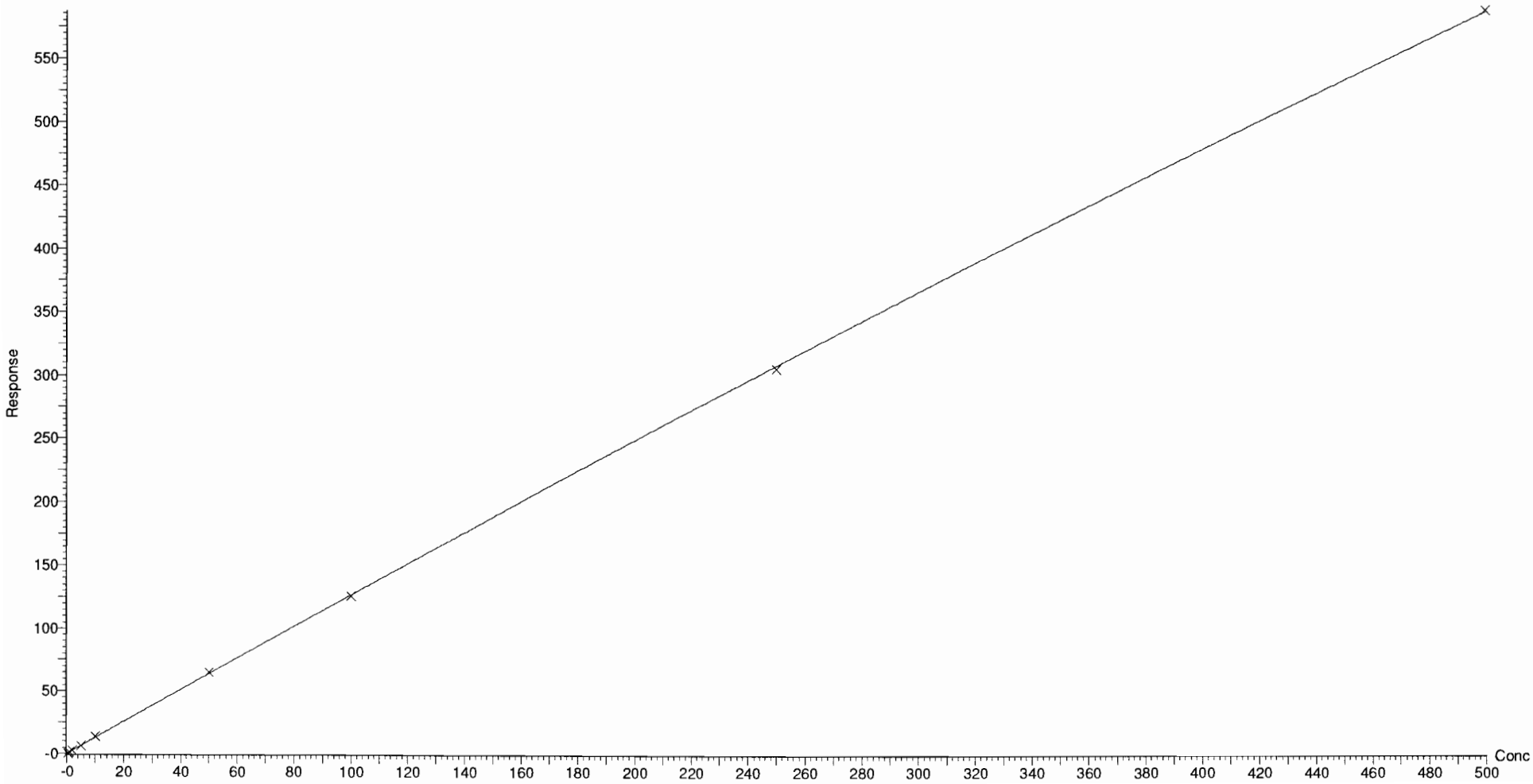
Compound name: N-MeFOSA
Coefficient of Determination: R^2 = 0.999575
Calibration curve: -9.12784e-005 * x^2 + 0.972446 * x + 0.148981
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:18 Pacific Daylight Time

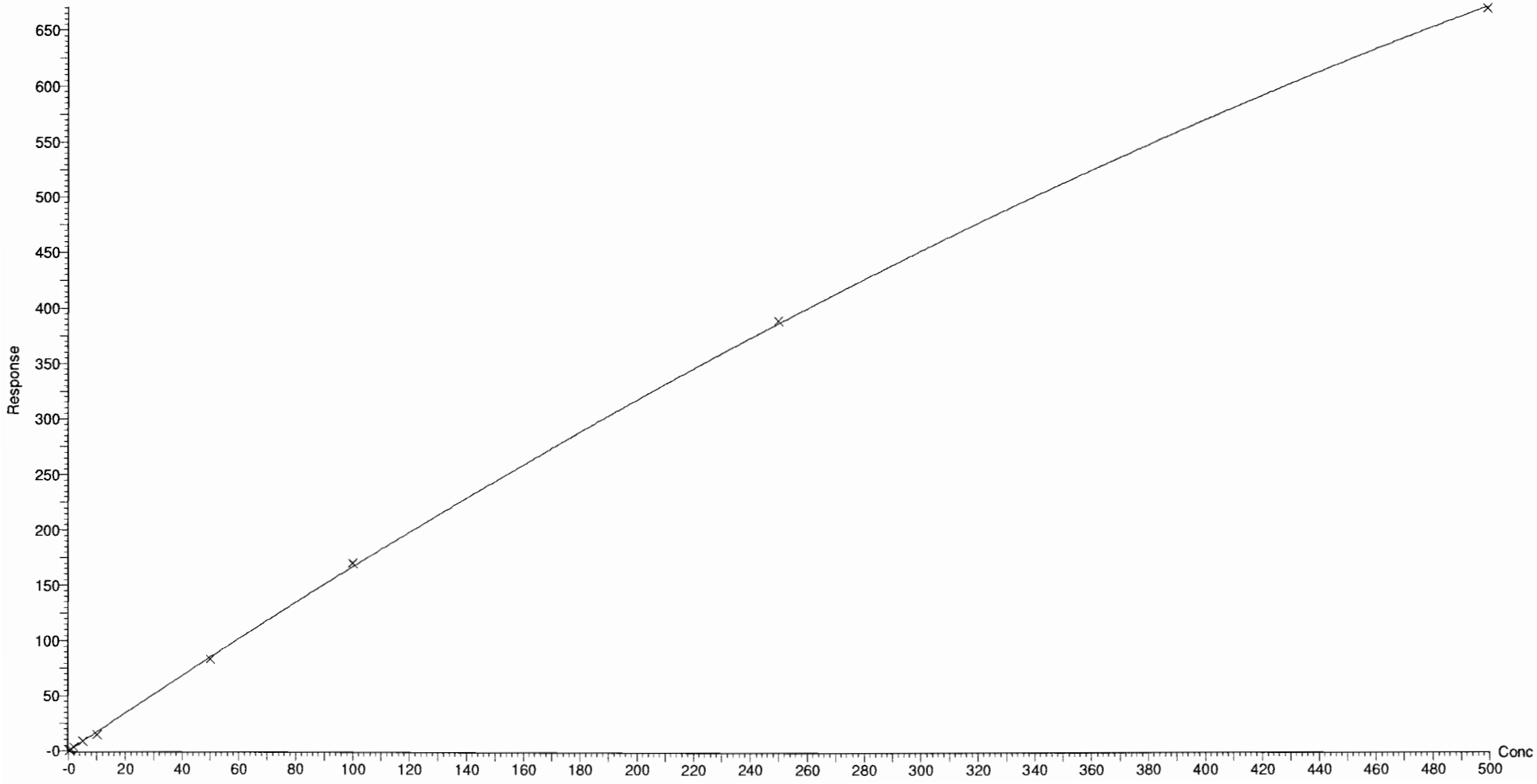
Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.999877
Calibration curve: -0.00023857 * x^2 + 1.29146 * x + 0.0379642
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:18 Pacific Daylight Time

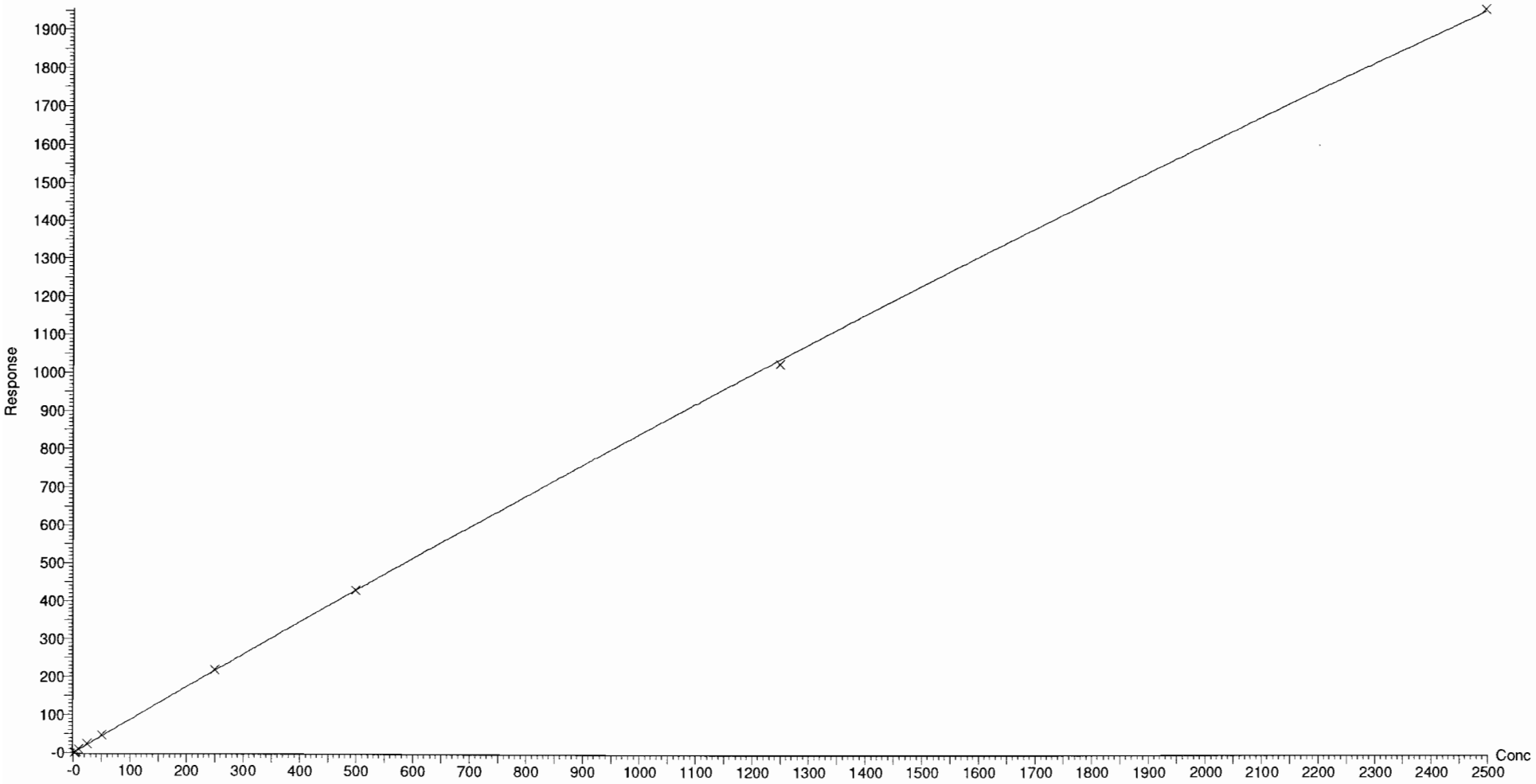
Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.999580
Calibration curve: -0.000821921 * x^2 + 1.75261 * x + 0.0312197
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:18 Pacific Daylight Time

Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999833
Calibration curve: -4.01701e-005 * x^2 + 0.879984 * x + 0.0536627
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

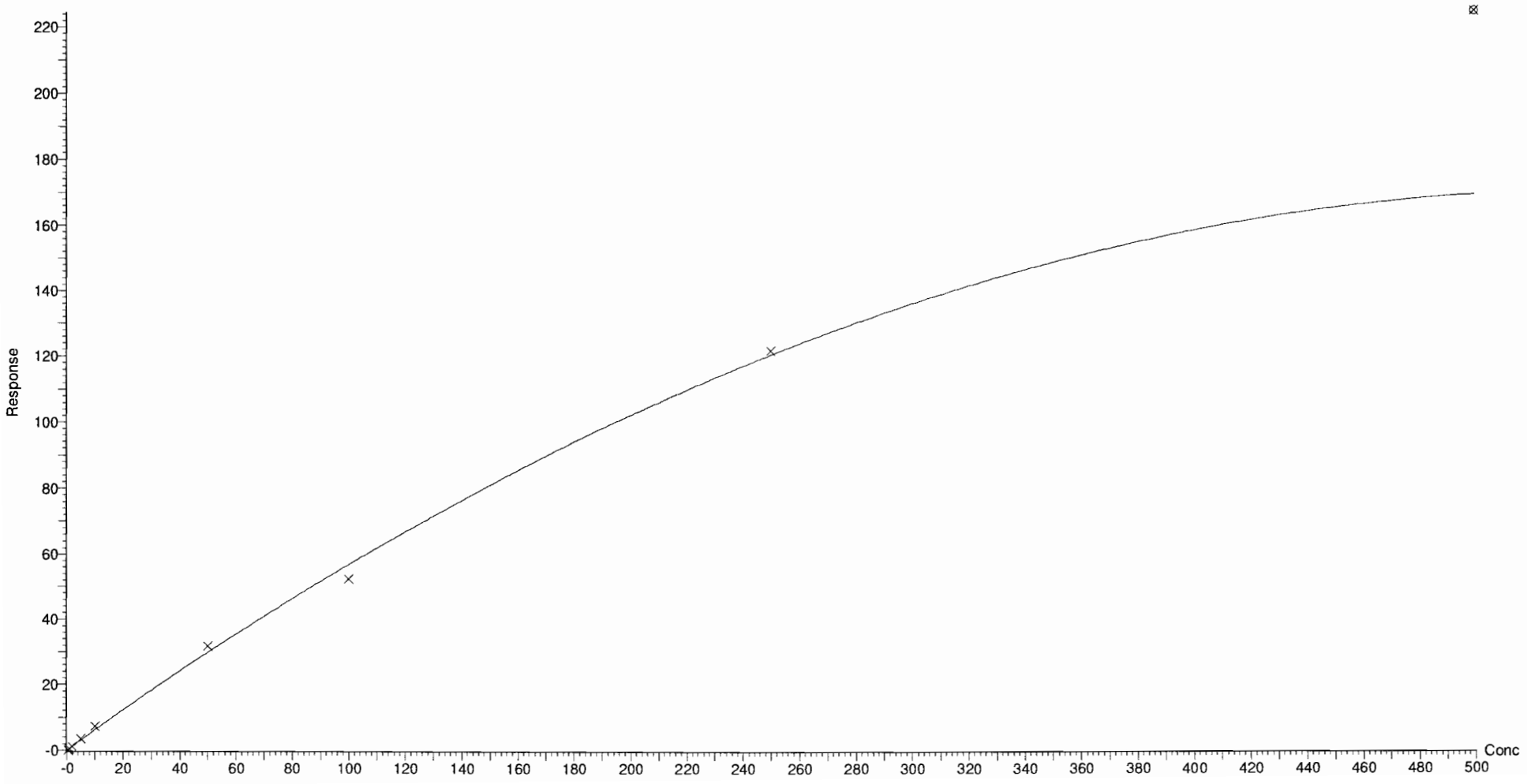


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:18 Pacific Daylight Time

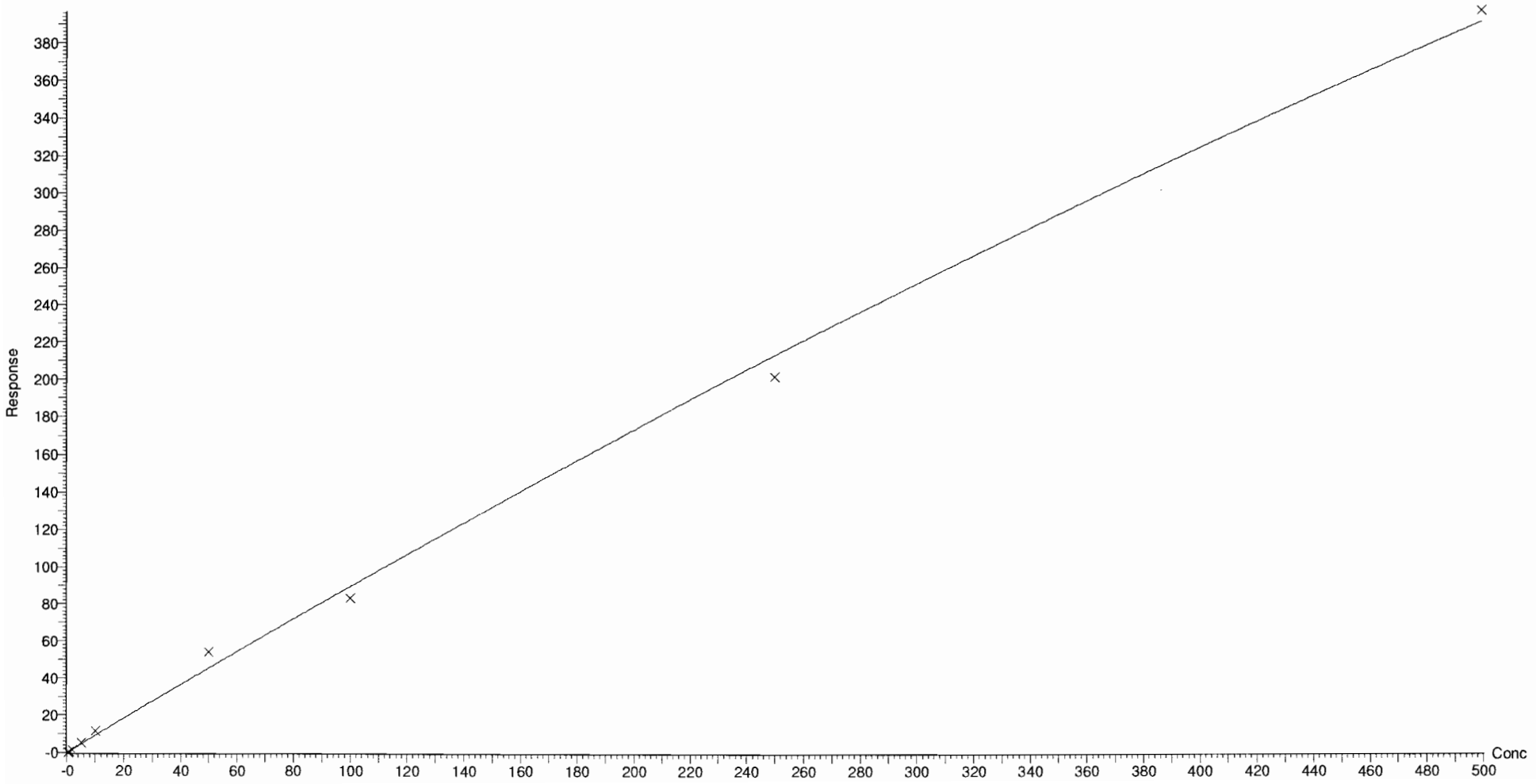
Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.996194
Calibration curve: -0.000573825 * x^2 + 0.625344 * x + -0.00873181
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:18 Pacific Daylight Time

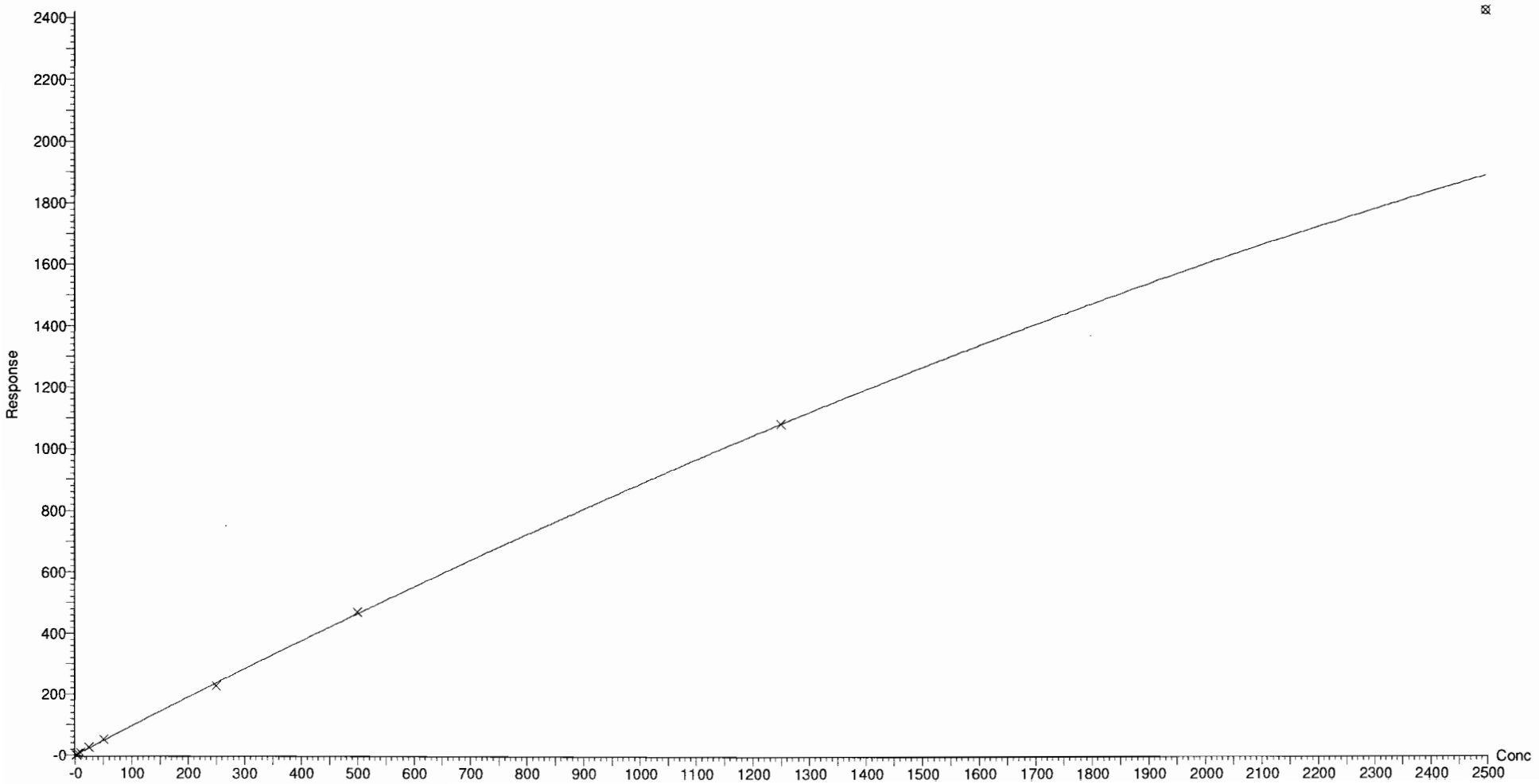
Compound name: PFODA
Coefficient of Determination: R^2 = 0.994619
Calibration curve: -0.000281575 * x^2 + 0.922529 * x + 0.00668947
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:18 Pacific Daylight Time

Compound name: N-MeFOSE
Coefficient of Determination: R^2 = 0.999423
Calibration curve: -8.77324e-005 * x^2 + 0.974484 * x + -0.0392547
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

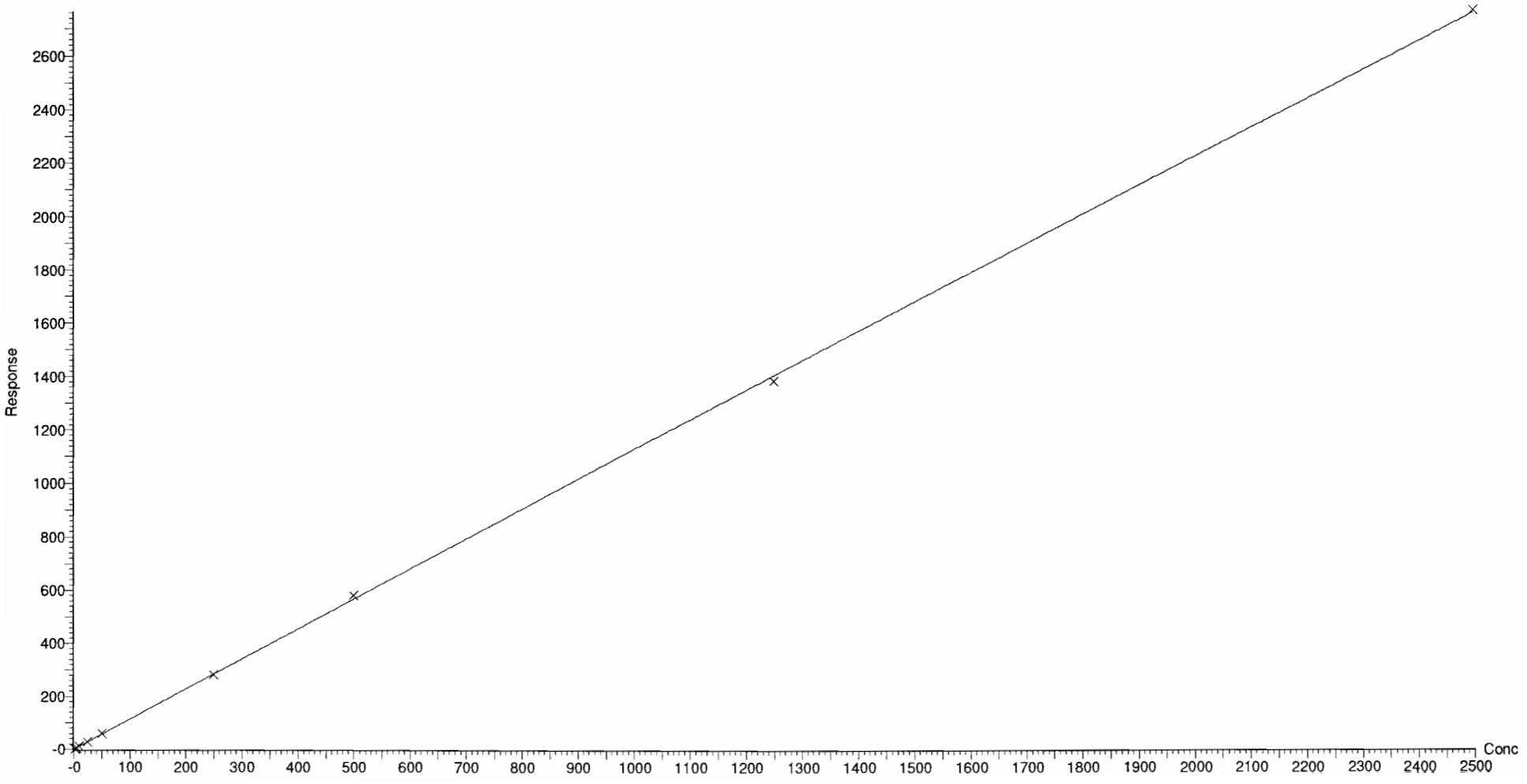


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:10:18 Pacific Daylight Time

Compound name: N-EtFOSE
Coefficient of Determination: R^2 = 0.999832
Calibration curve: -1.71189e-005 * x^2 + 1.14513 * x + 0.0728236
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Vista Analytical Laboratory

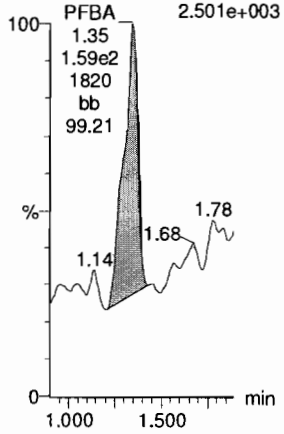
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Printed: Saturday, July 14, 2018 11:20:44 Pacific Daylight Time

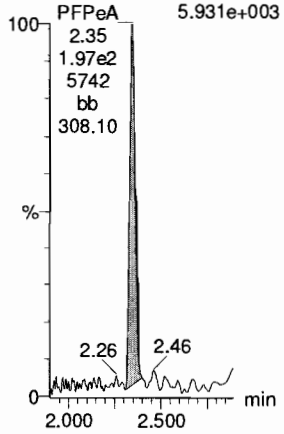
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Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Name: 180713M2_2, Date: 13-Jul-2018, Time: 16:32:35, ID: ST180713M2-1 PFC CS-2 18G0504, Description: PFC CS-2 18G0504

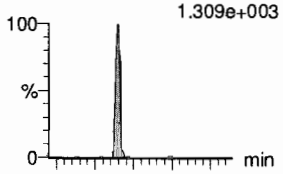
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
2.501e+003
PFBA
1.35
1.59e2
1820
bb
99.21
1.14
1.68
1.78



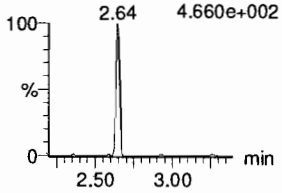
PFPeA
F5:MRM of 1 channel,ES-
263.1 > 218.9
5.931e+003
PFPeA
2.35
1.97e2
5742
bb
308.10
2.26
2.46



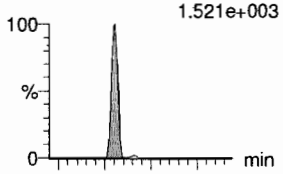
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
1.309e+003



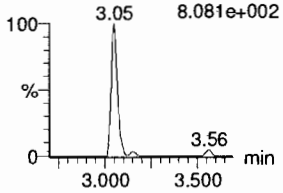
F7:MRM of 2 channels,ES-
299.0 > 99.0
4.660e+002
2.64



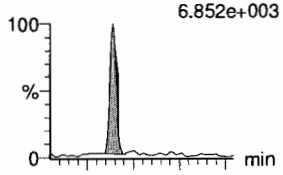
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
1.521e+003



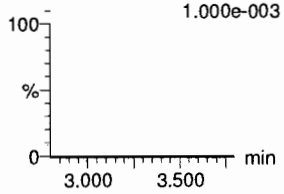
F12:MRM of 2 channels,ES-
327.2 > 81.1
8.081e+002
3.05
3.56



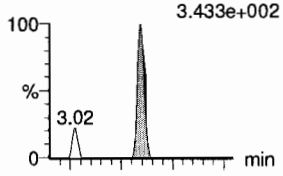
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
6.852e+003



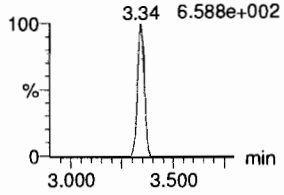
F9:MRM of 2 channels,ES-
313.2 > 119
1.000e-003



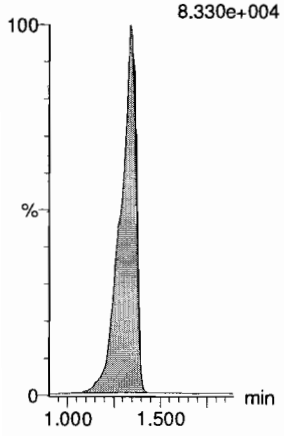
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
3.433e+002
3.02



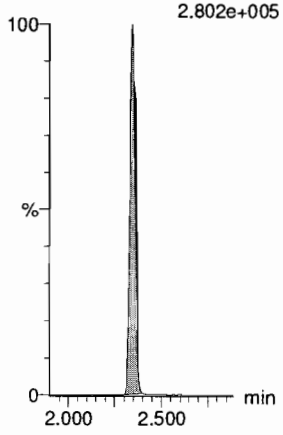
F15:MRM of 2 channels,ES-
349.1 > 99
6.588e+002
3.34



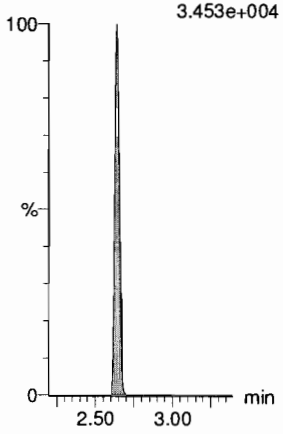
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
8.330e+004



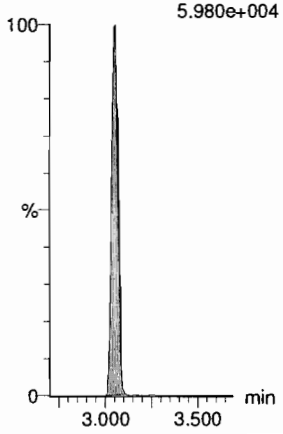
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
2.802e+005



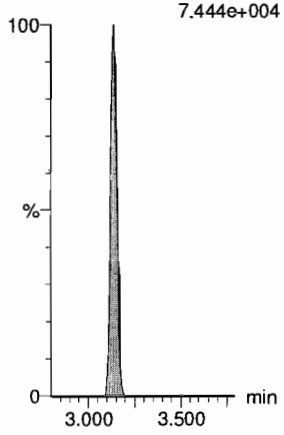
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.453e+004



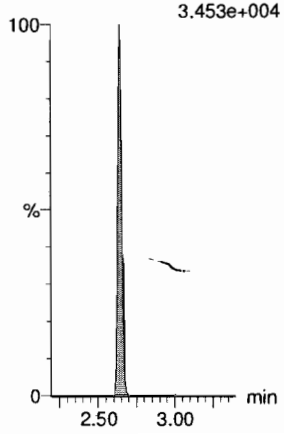
13C2-4:2 FTS
F13:MRM of 1 channel,ES-
329.2 > 308.9
5.980e+004



13C2-PFHxA
F10:MRM of 1 channel,ES-
315 > 269.8
7.444e+004



13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.453e+004

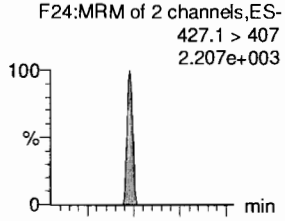


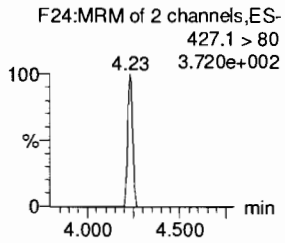
Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Printed: Saturday, July 14, 2018 11:02:01 Pacific Daylight Time

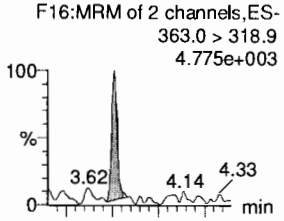
Name: 180713M2_2, Date: 13-Jul-2018, Time: 16:32:35, ID: ST180713M2-1 PFC CS-2 18G0504, Description: PFC CS-2 18G0504

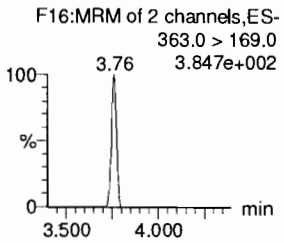
6:2 FTS



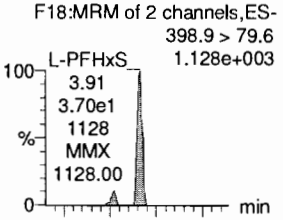


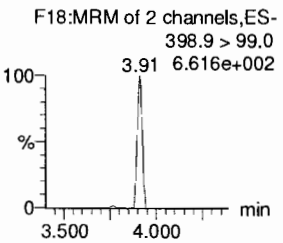
PFHpA



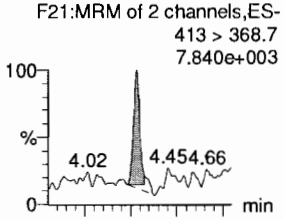


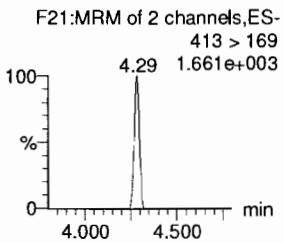
L-PFHxS



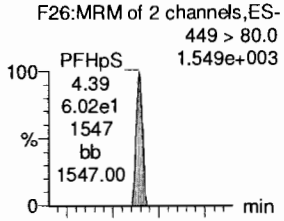


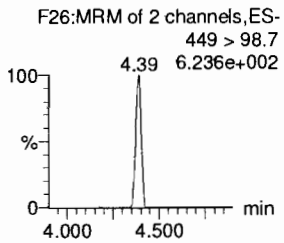
L-PFOA



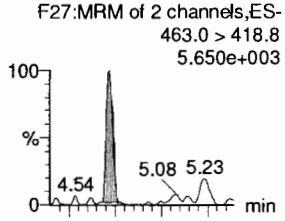


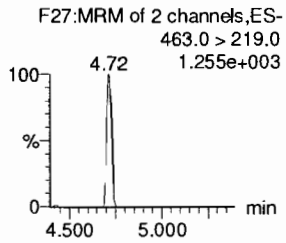
PFHpS



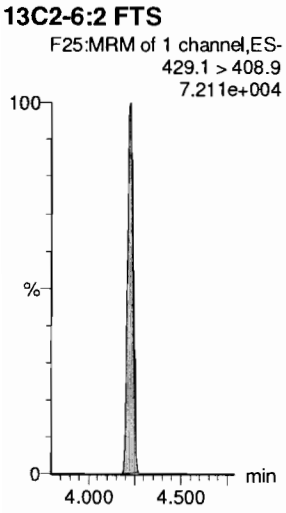


PFNA

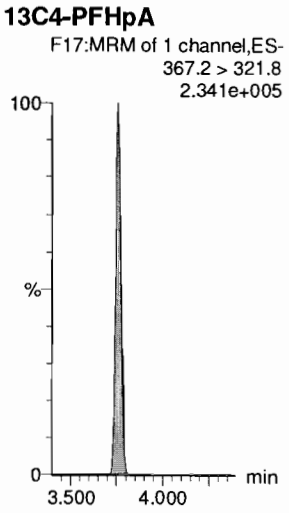




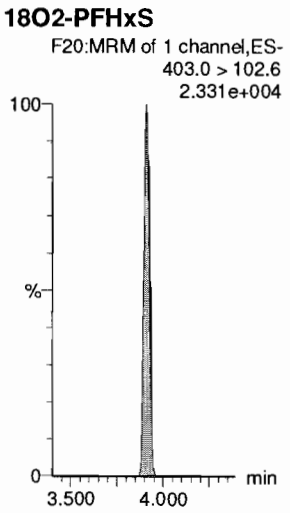
13C2-6:2 FTS



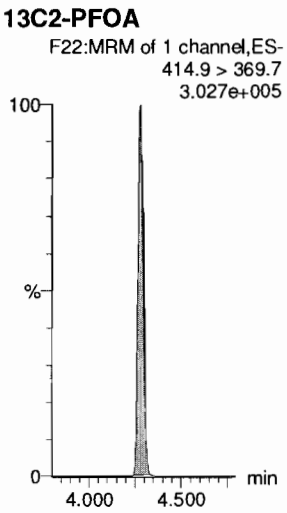
13C4-PFHpA



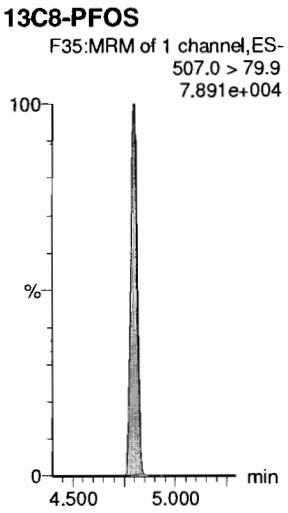
18O2-PFHxS



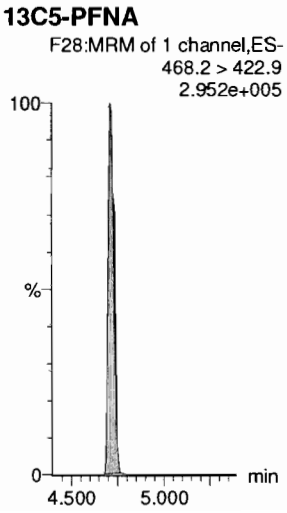
13C2-PFOA



13C8-PFOS



13C5-PFNA

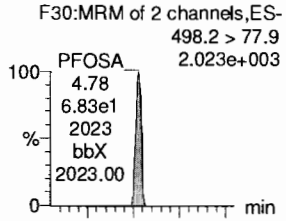


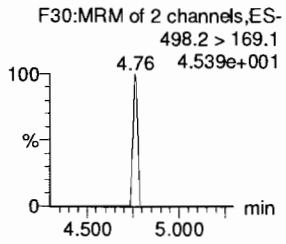
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Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:02:01 Pacific Daylight Time

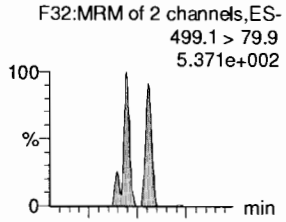
Name: 180713M2_2, Date: 13-Jul-2018, Time: 16:32:35, ID: ST180713M2-1 PFC CS-2 18G0504, Description: PFC CS-2 18G0504

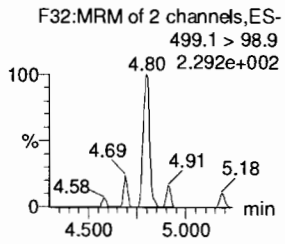
PFOSA



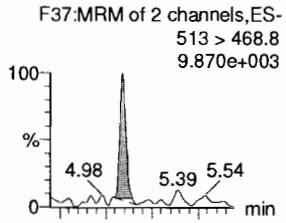


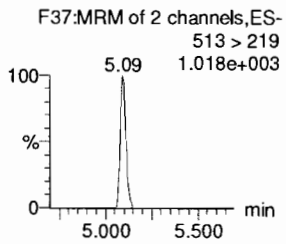
L-PFOS



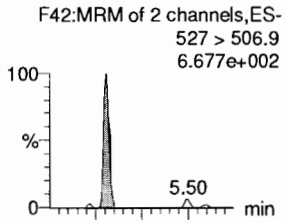


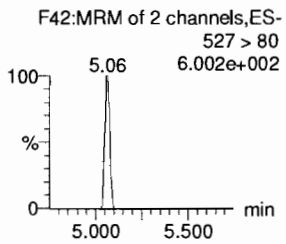
PFDA



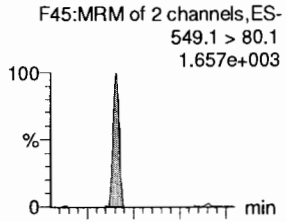


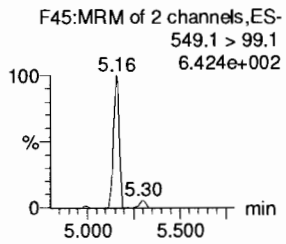
8:2 FTS



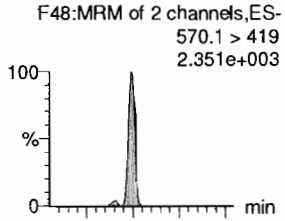


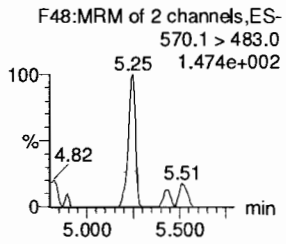
PFNS



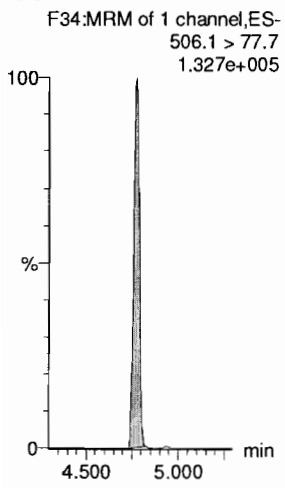


L-MeFOSAA

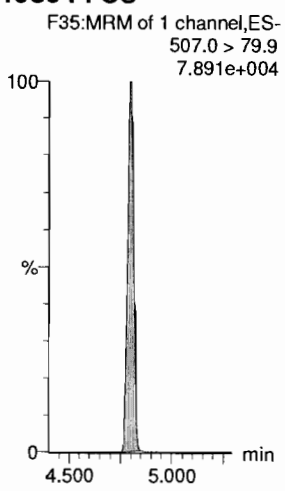




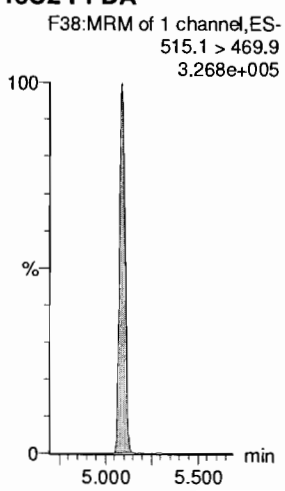
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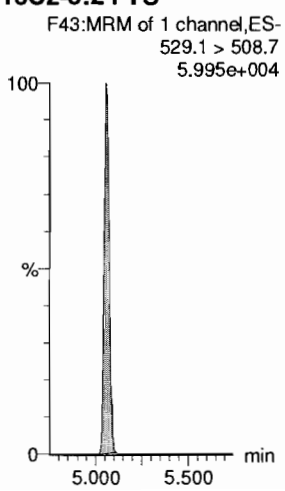
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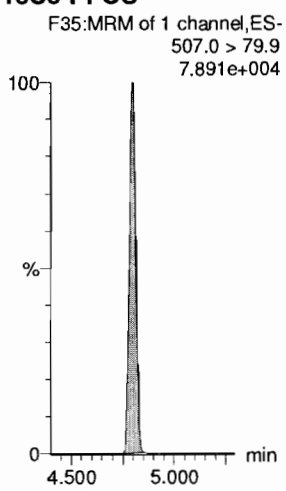
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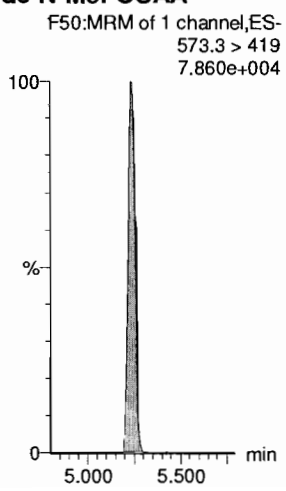
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13C8-PFOS



d3-N-MeFOSAA

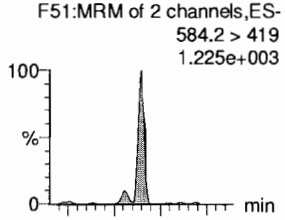


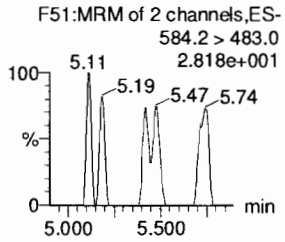
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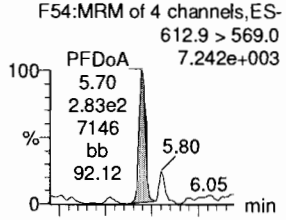
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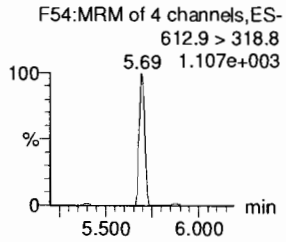
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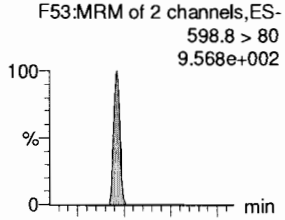


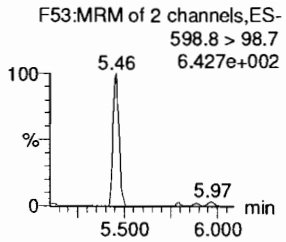
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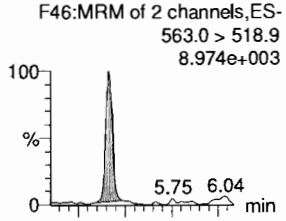


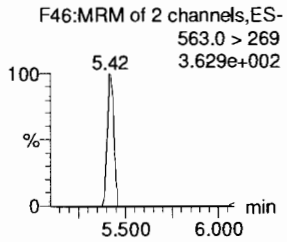
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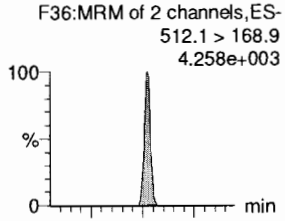


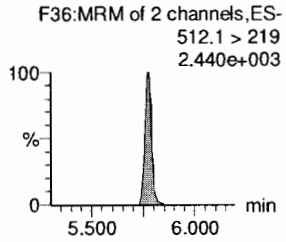
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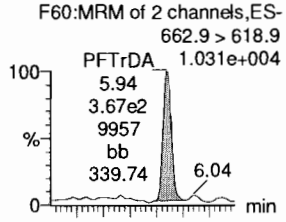


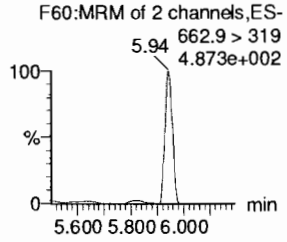
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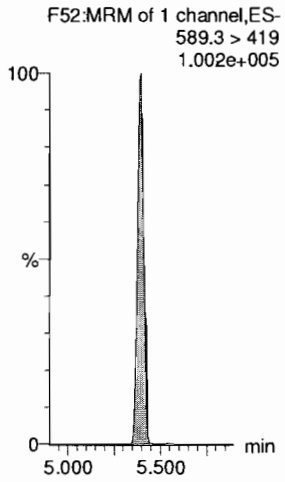


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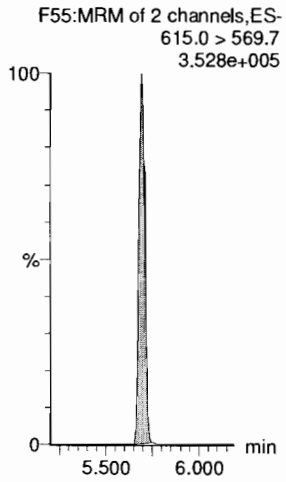




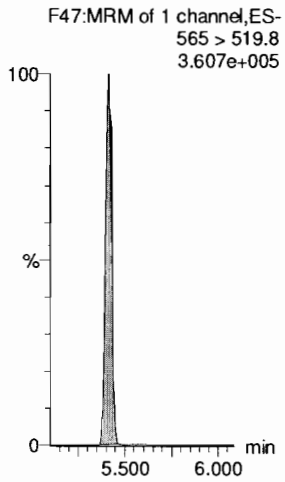
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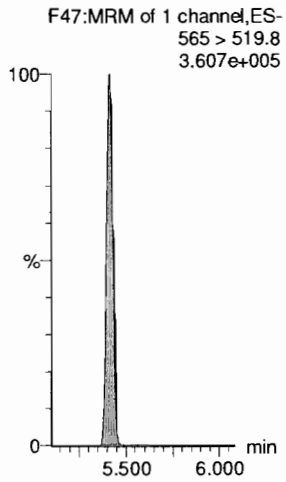
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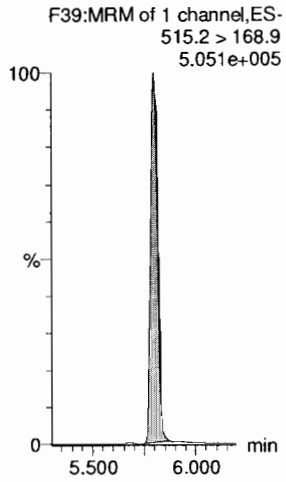
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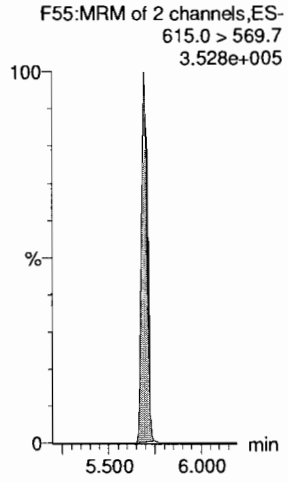
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13C2-PFDoA

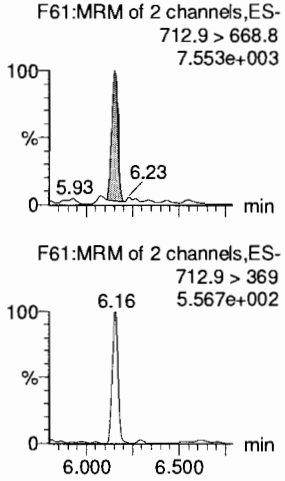


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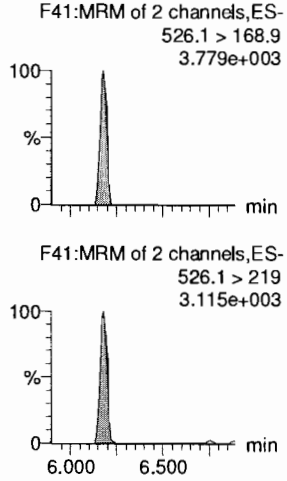
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Name: 180713M2_2, Date: 13-Jul-2018, Time: 16:32:35, ID: ST180713M2-1 PFC CS-2 18G0504, Description: PFC CS-2 18G0504

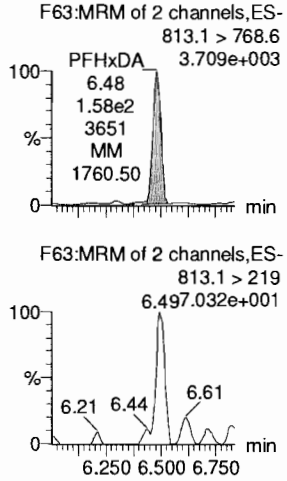
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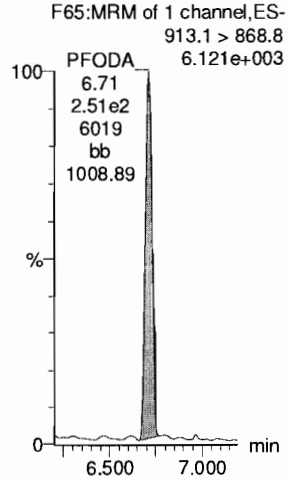
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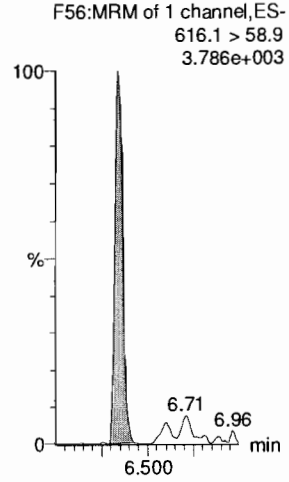
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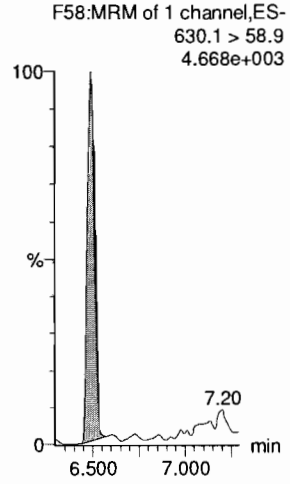
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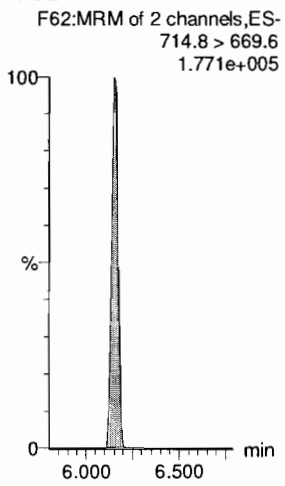
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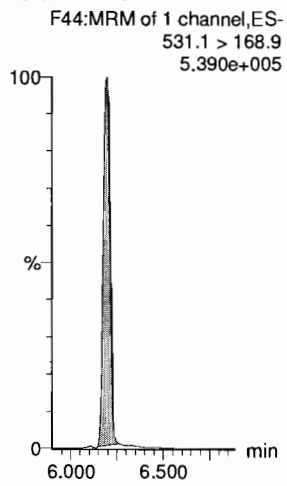
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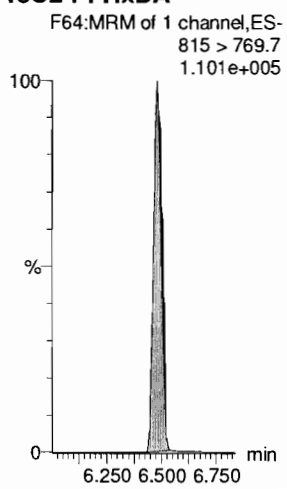
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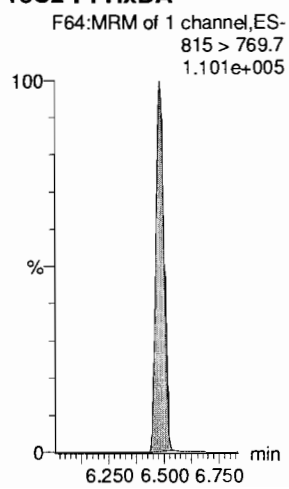
d5-N-ETFOSA



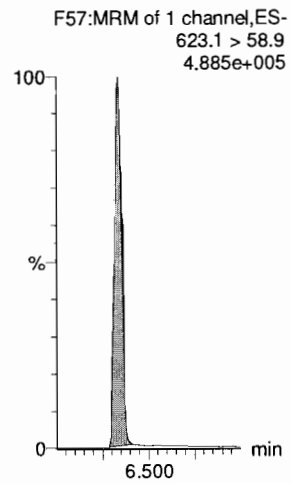
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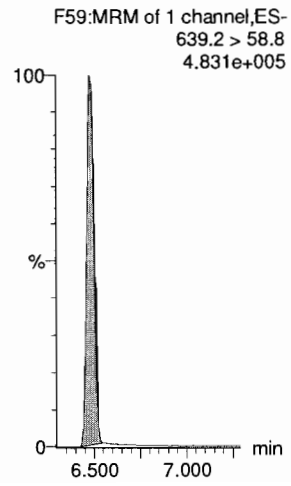
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d7-N-MeFOSE



d9-N-EtFOSE

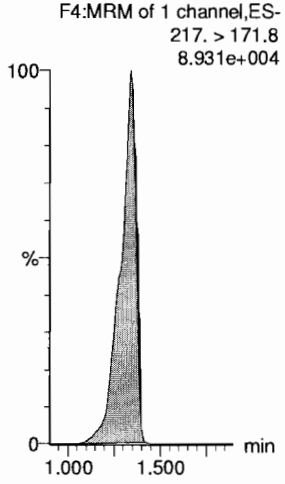


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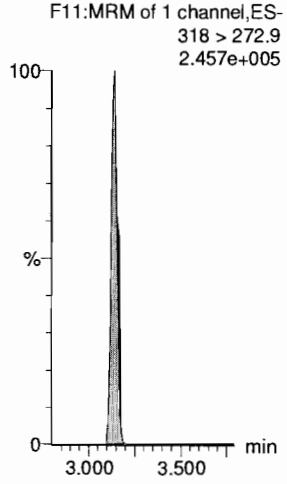
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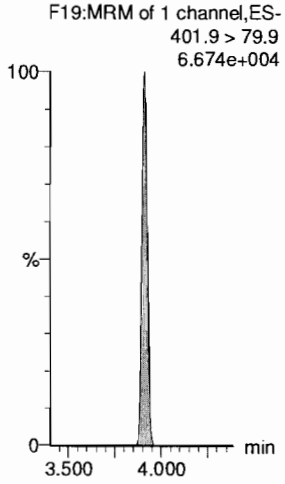
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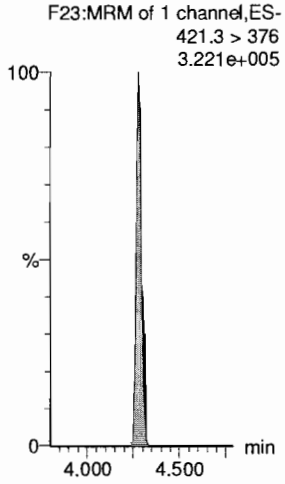
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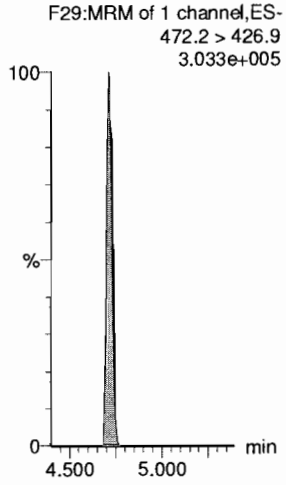
13C3-PFHxS



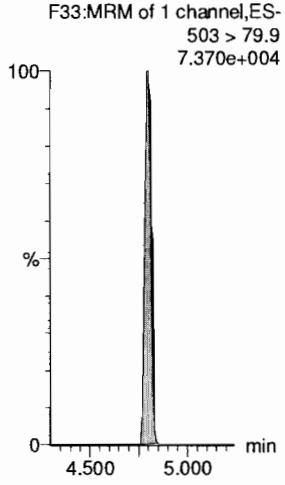
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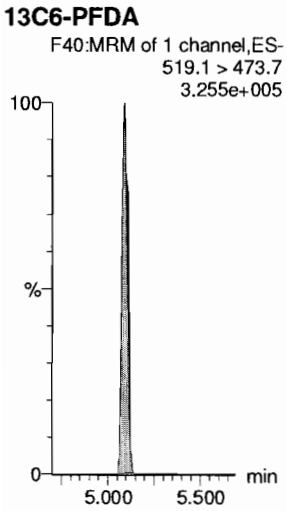
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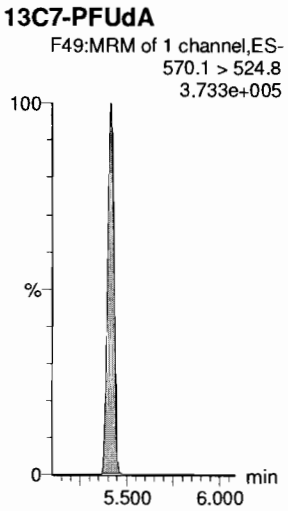
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13C6-PFDA



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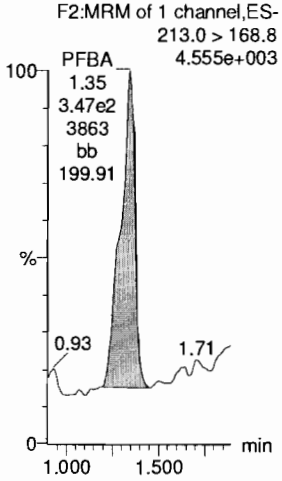


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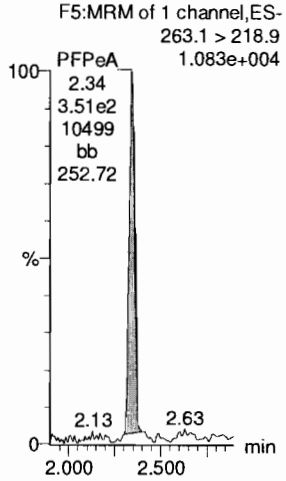
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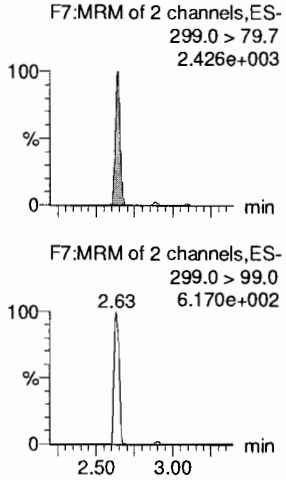
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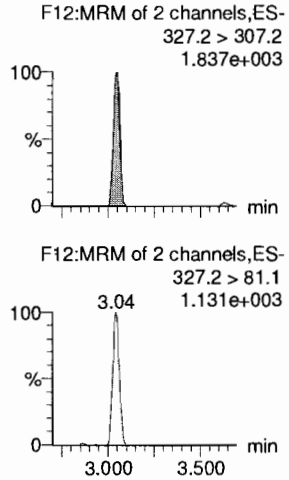
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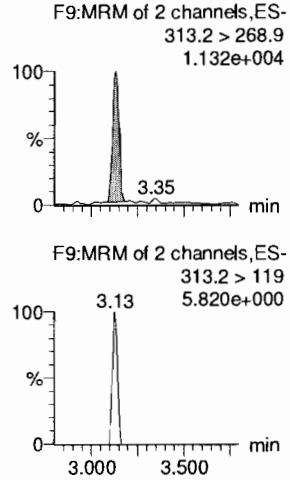
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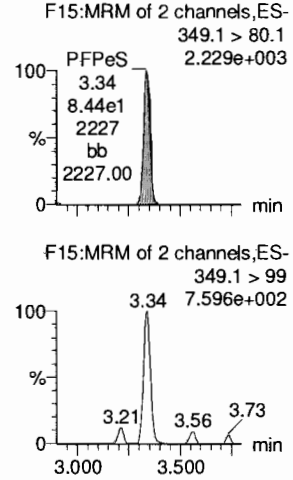
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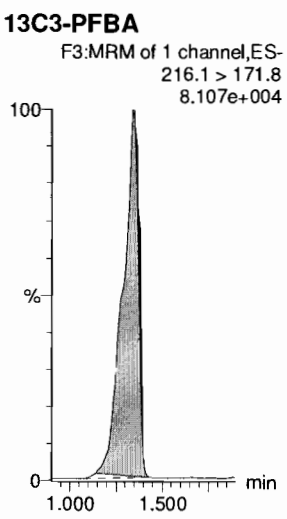
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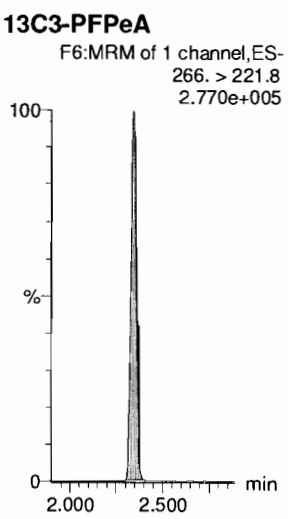
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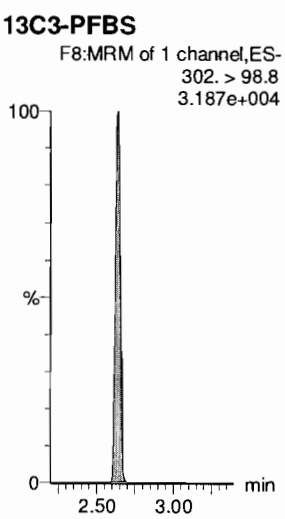
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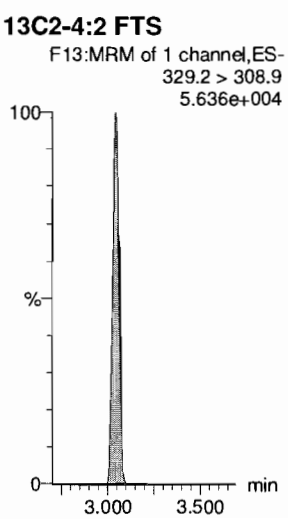
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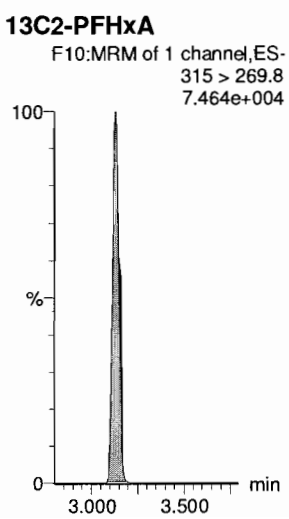
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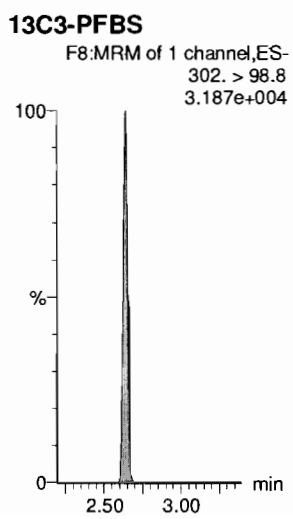
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13C2-PFHxA



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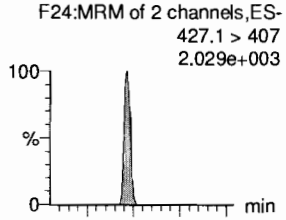


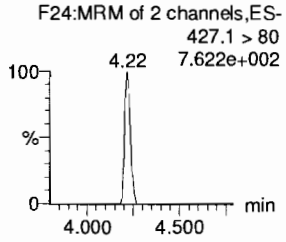
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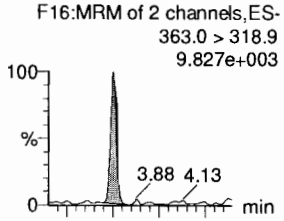
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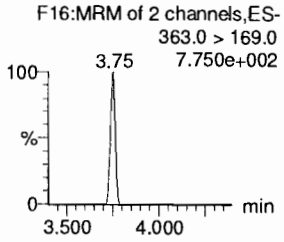
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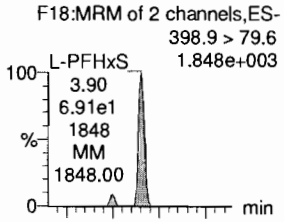


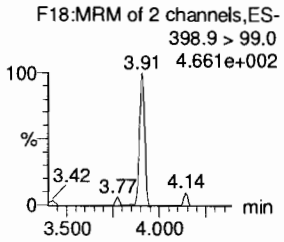
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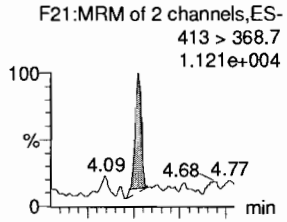


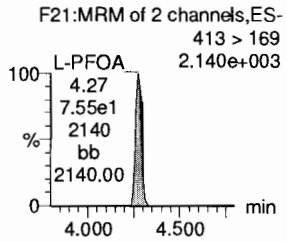
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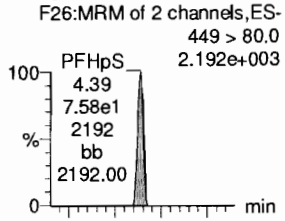


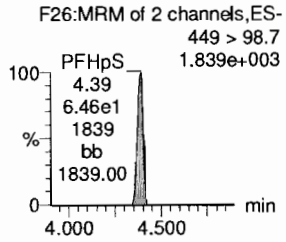
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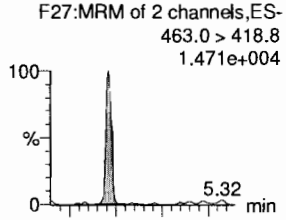


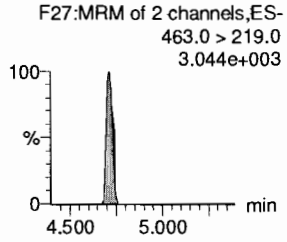
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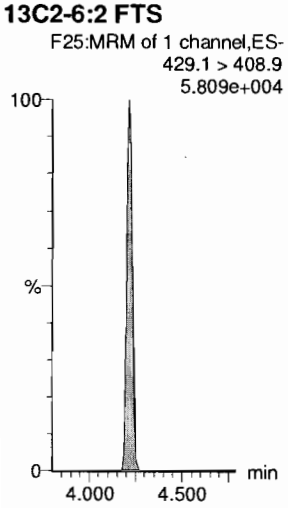


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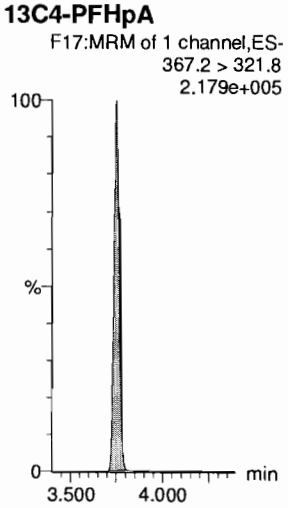




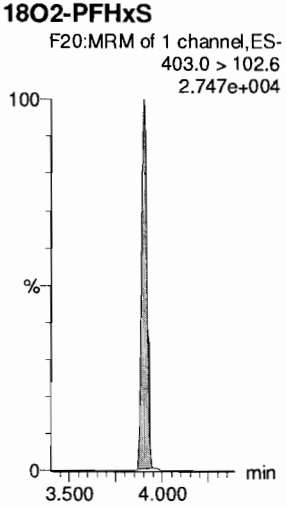
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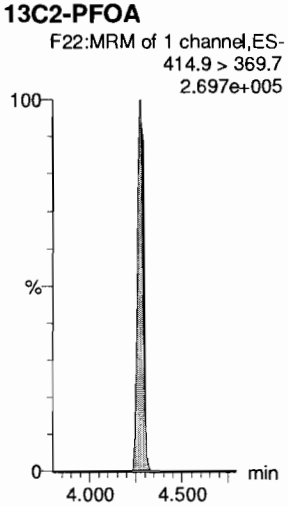
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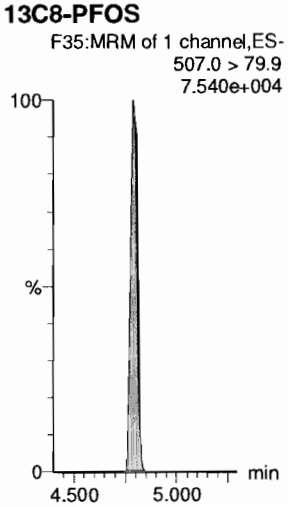
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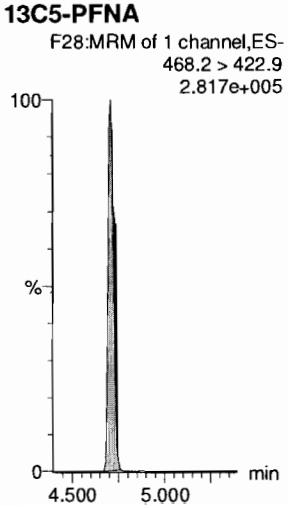
13C2-PFOA



13C8-PFOS



13C5-PFNA

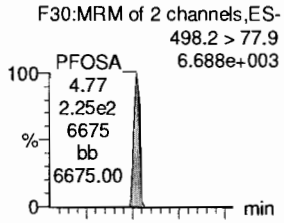


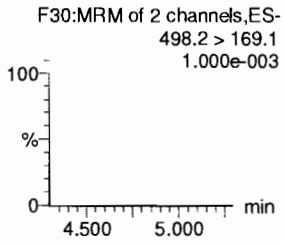
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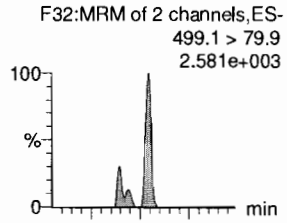
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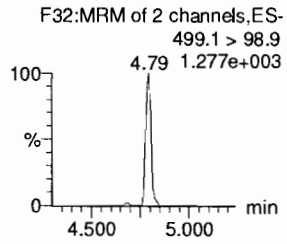
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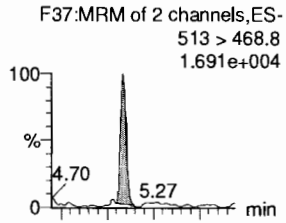


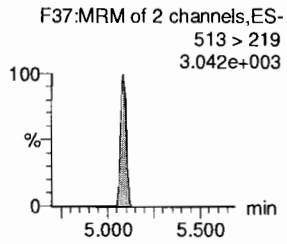
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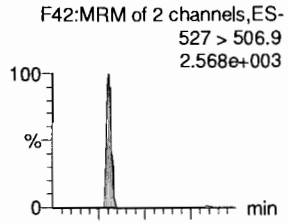


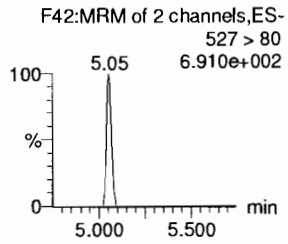
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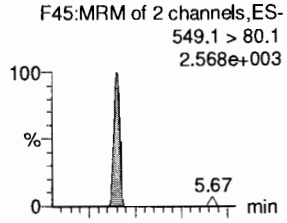


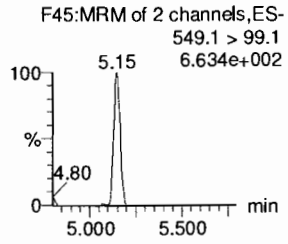
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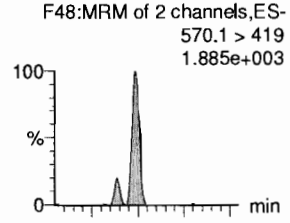


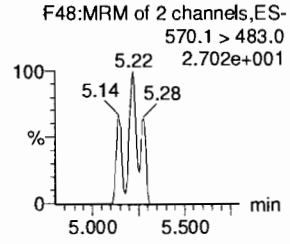
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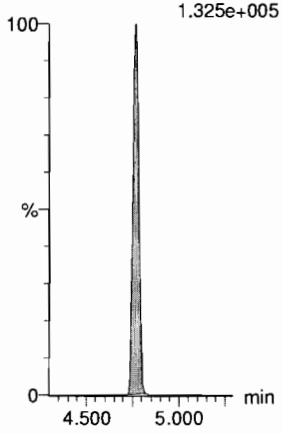


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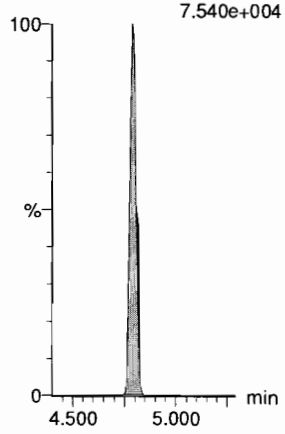




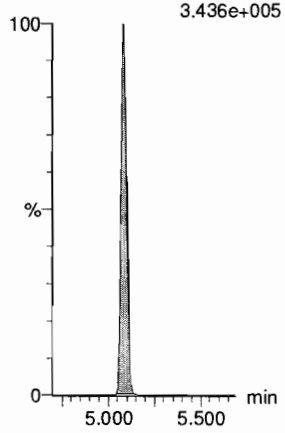
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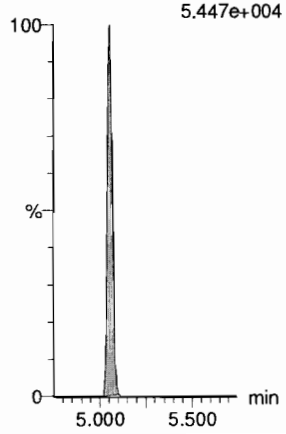
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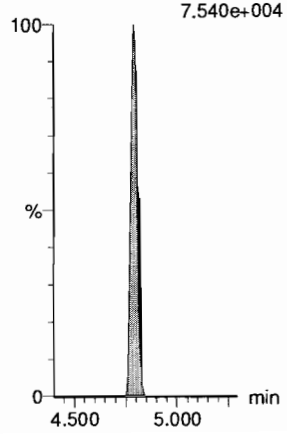
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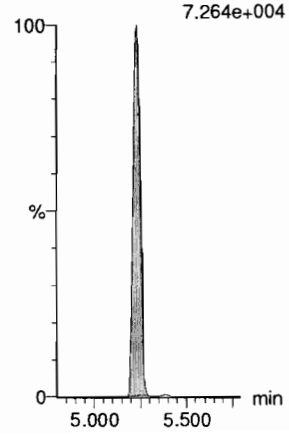
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13C8-PFOS



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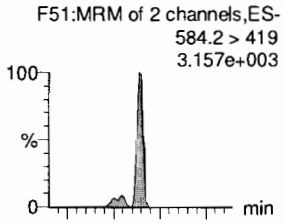


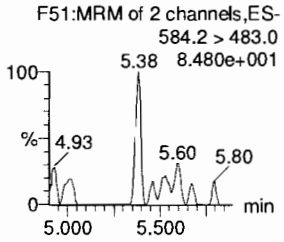
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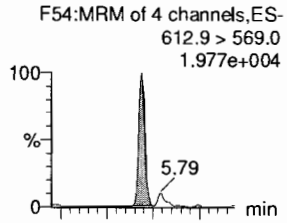
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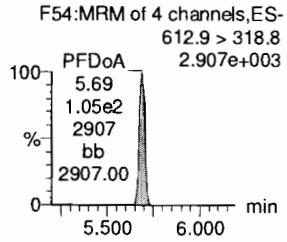
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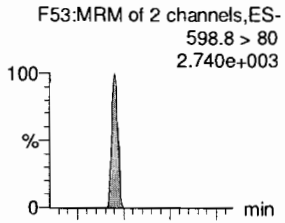


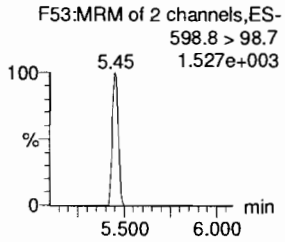
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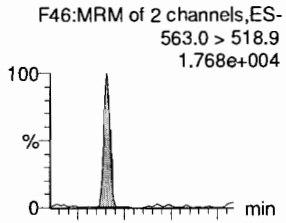


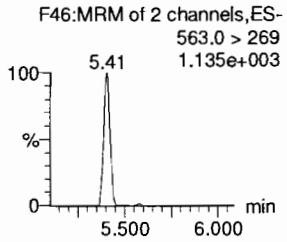
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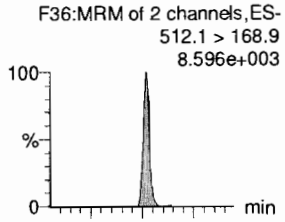


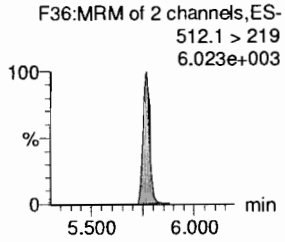
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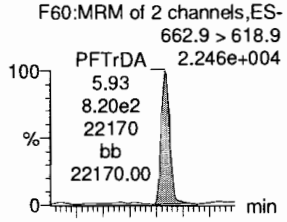


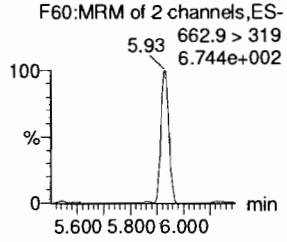
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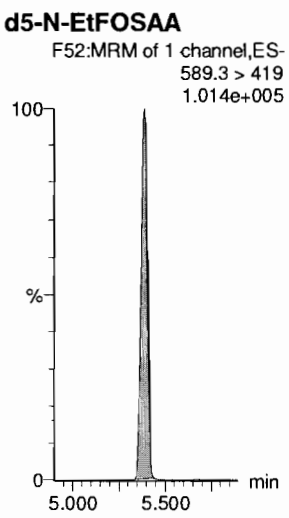


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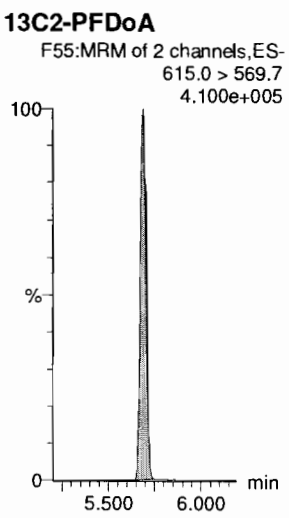




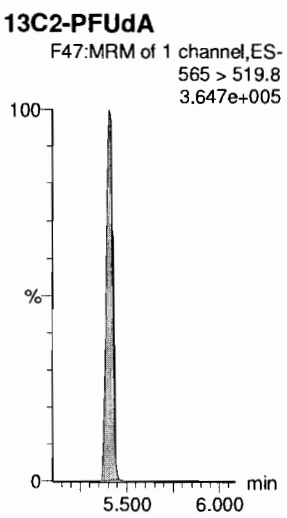
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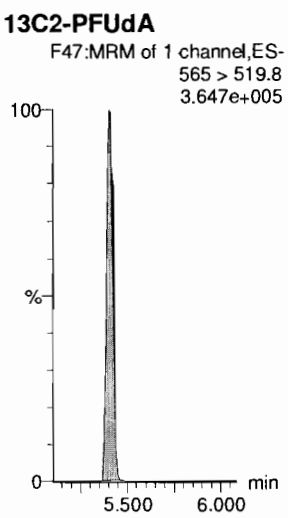
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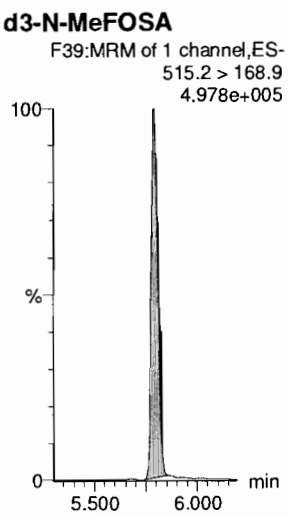
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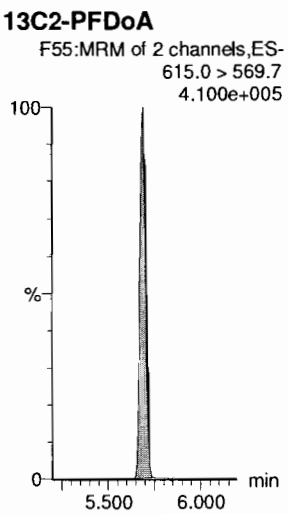
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13C2-PFDoA

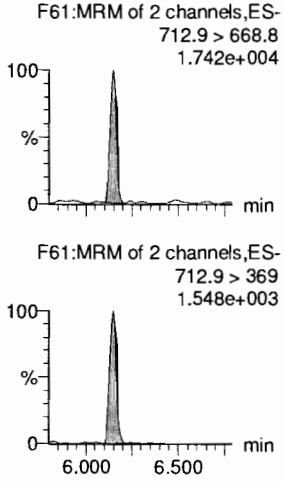


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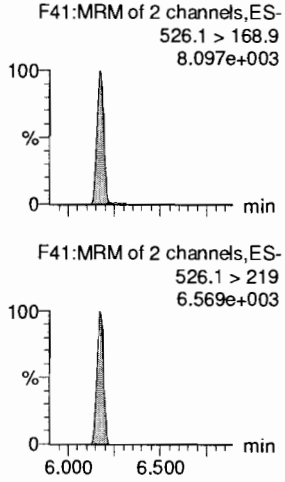
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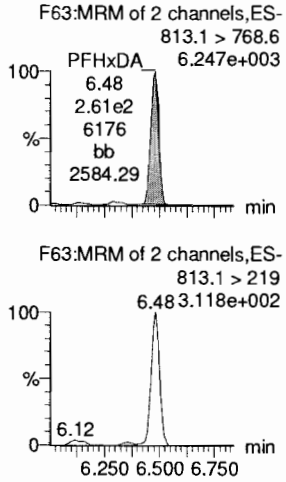
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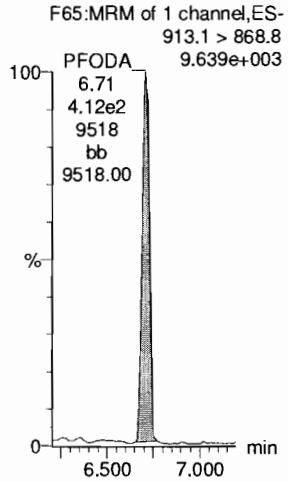
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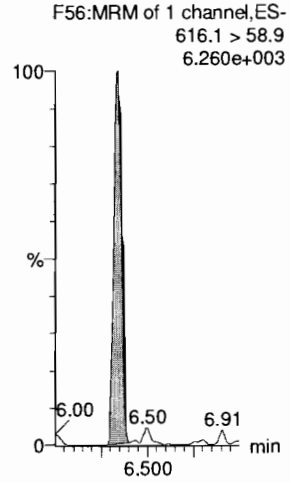
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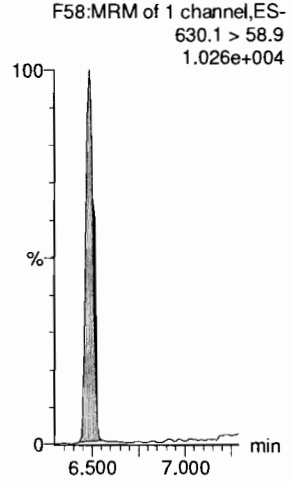
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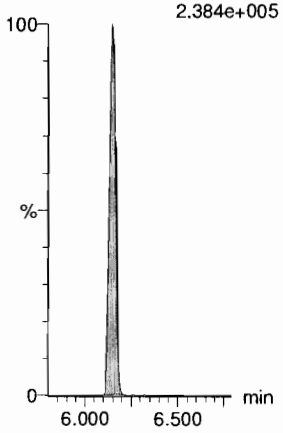
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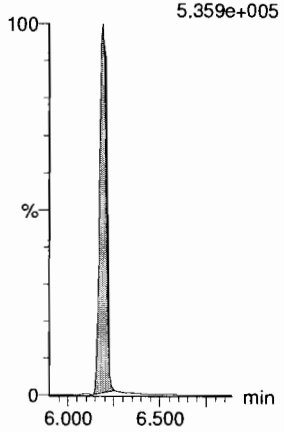
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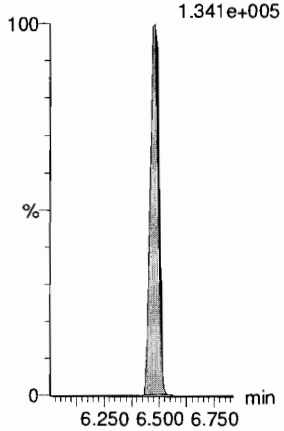
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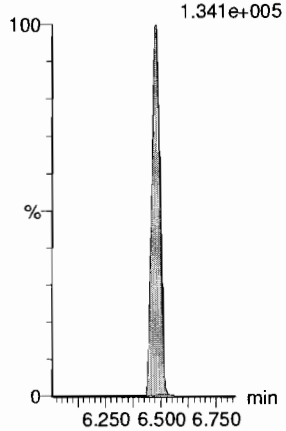
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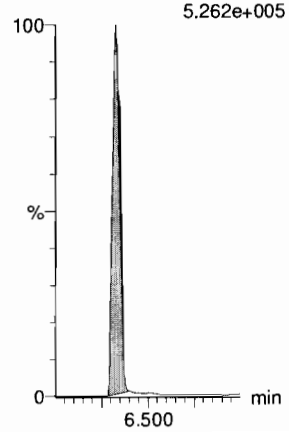
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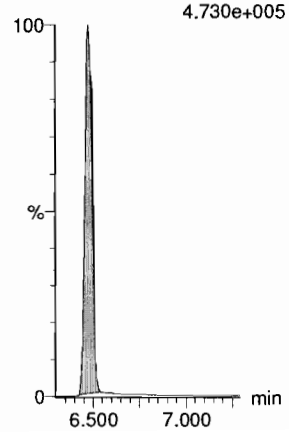
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d7-N-MeFOSE



d9-N-EtFOSE

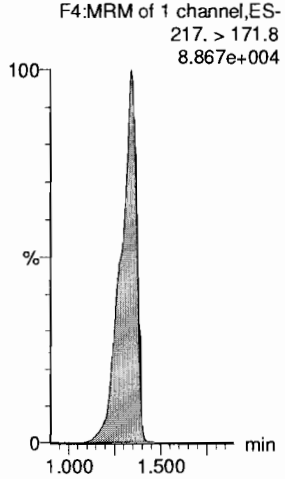


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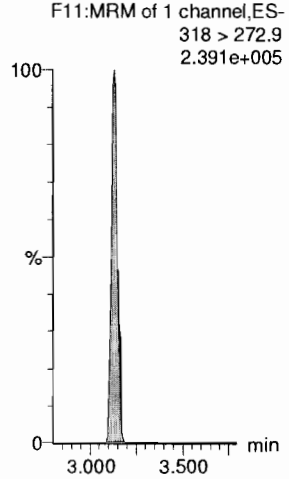
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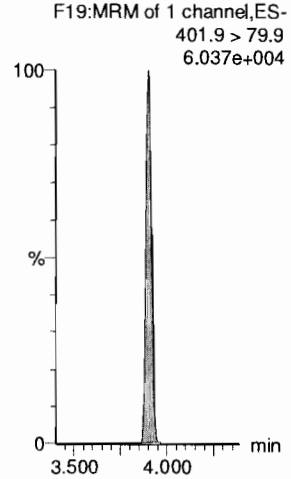
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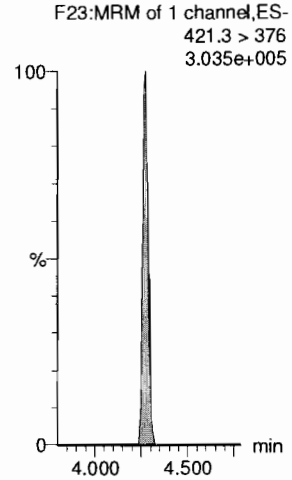
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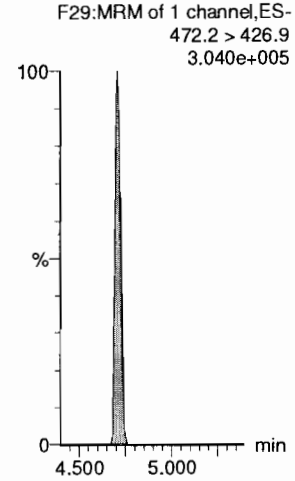
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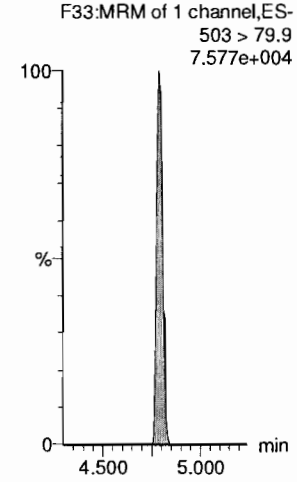
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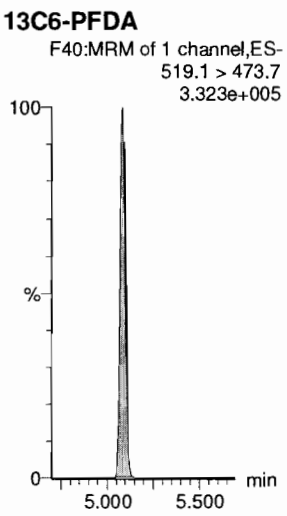
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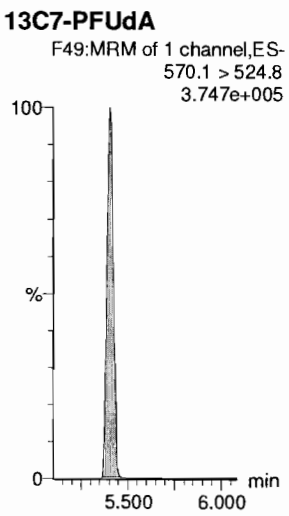
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13C6-PFDA



13C7-PFUdA

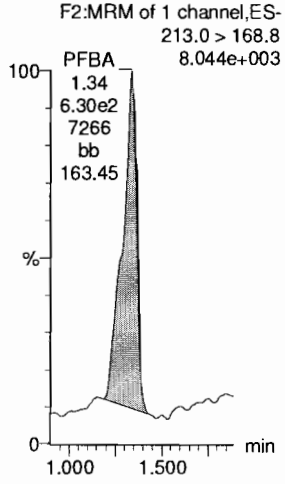


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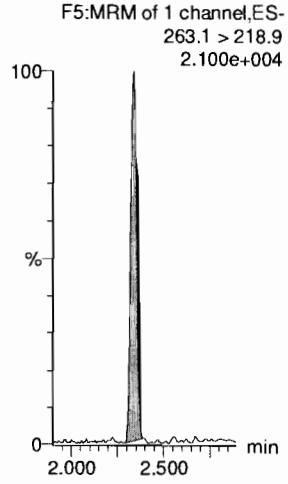
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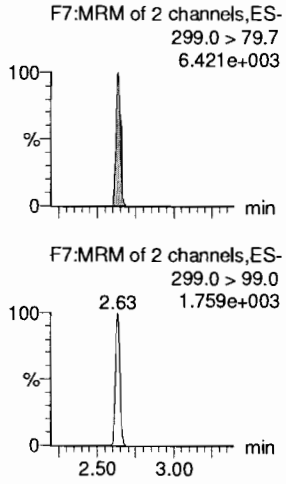
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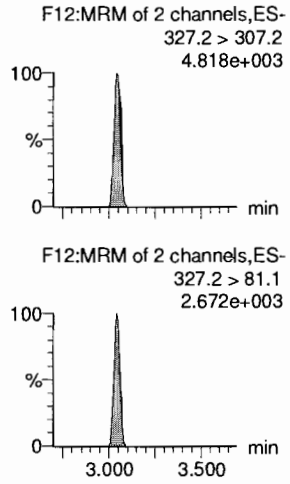
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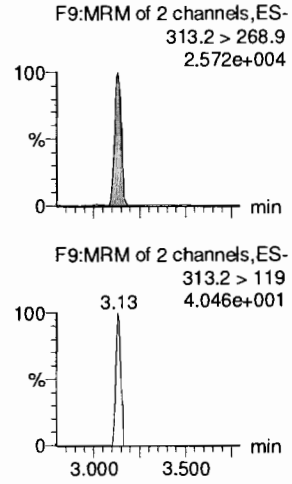
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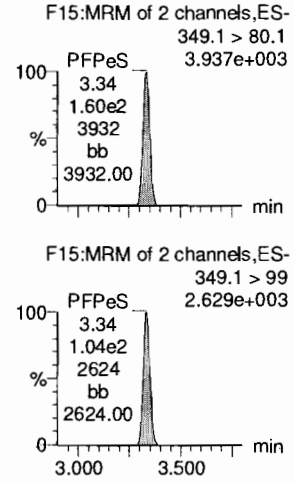
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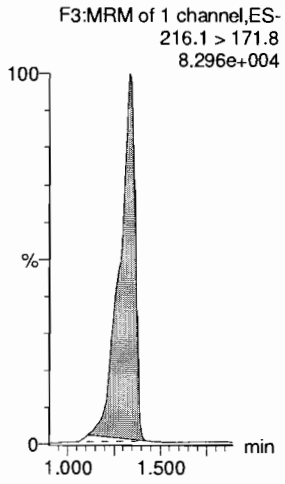
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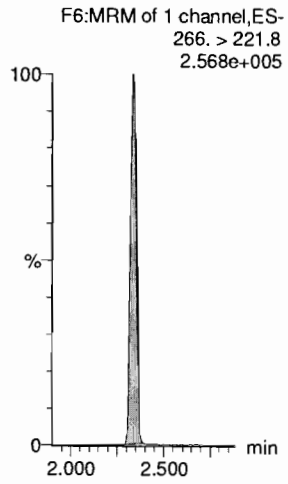
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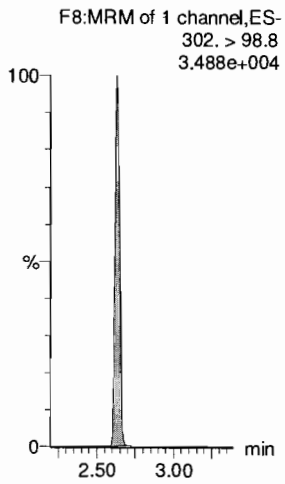
13C3-PFBA



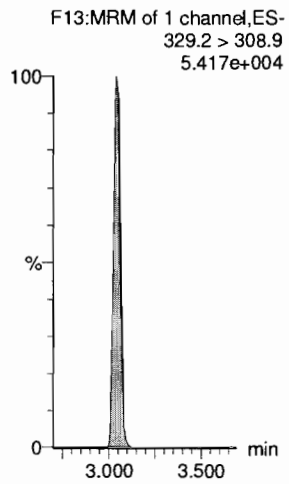
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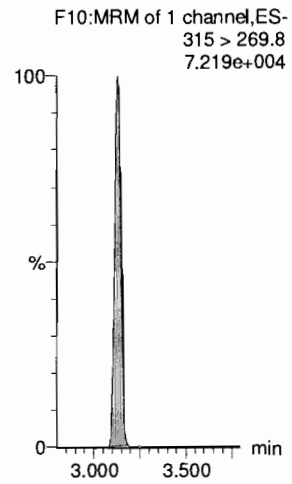
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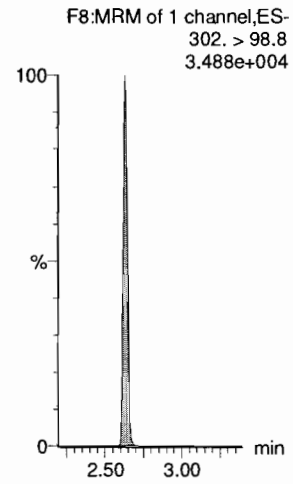
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13C2-PFHxA



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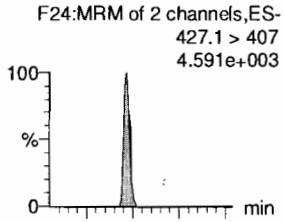


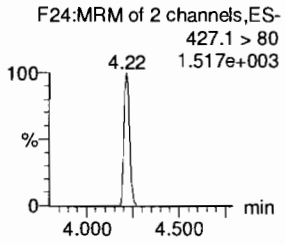
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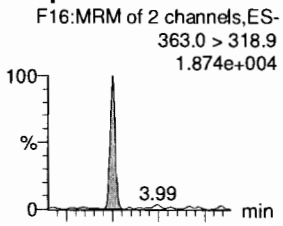
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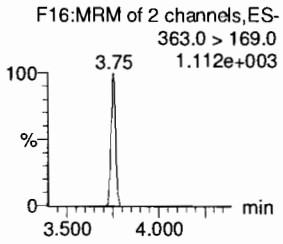
6:2 FTS



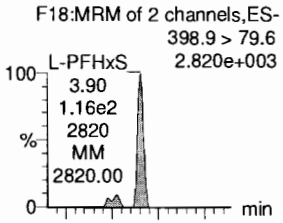


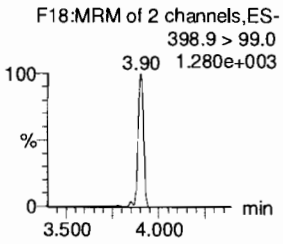
PFHpA



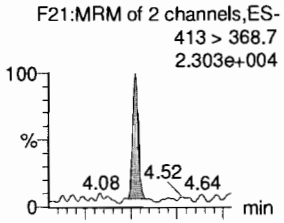


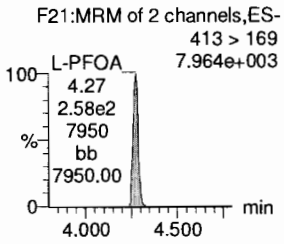
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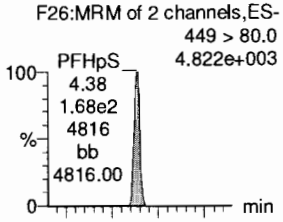


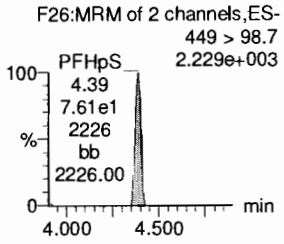
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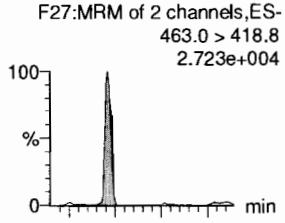


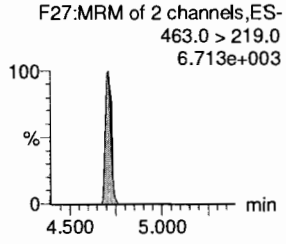
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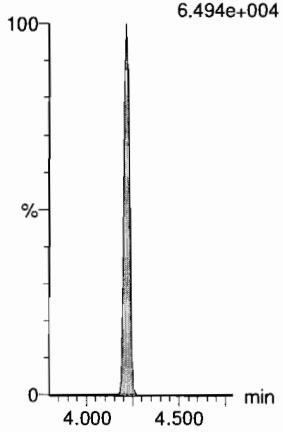


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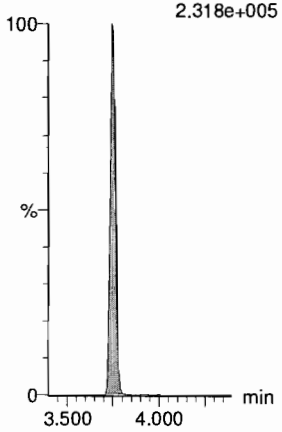




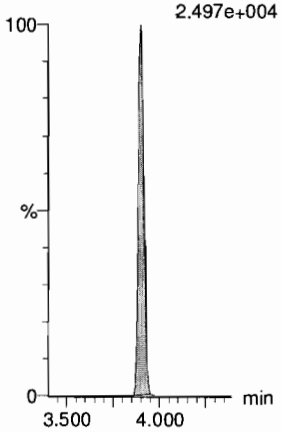
13C2-6:2 FTS



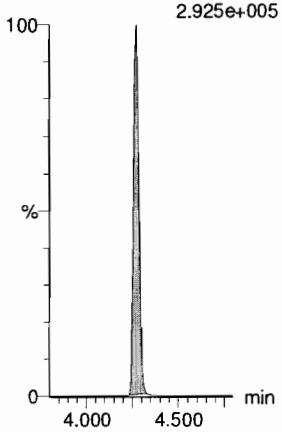
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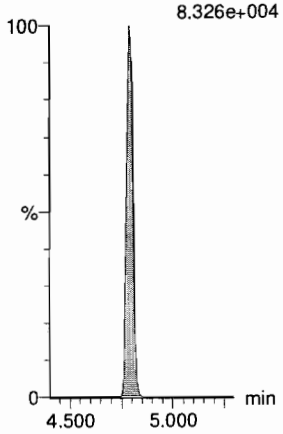
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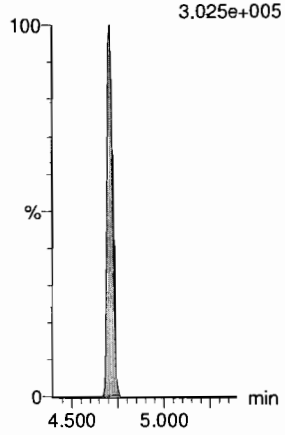
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13C8-PFOS



13C5-PFNA

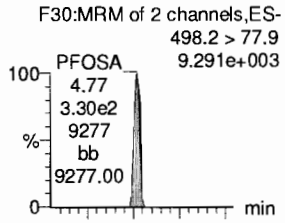


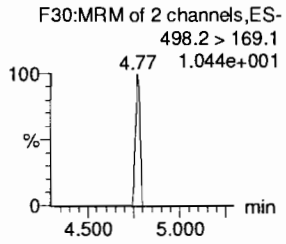
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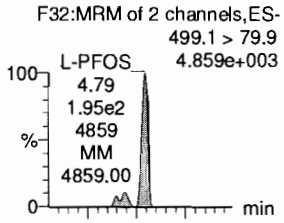
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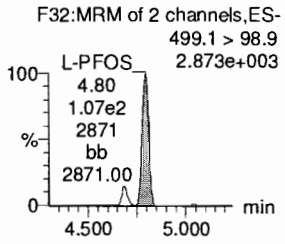
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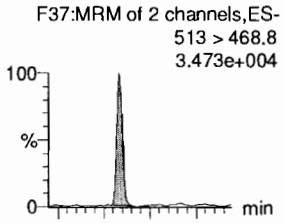


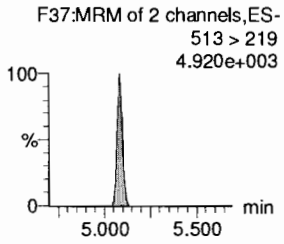
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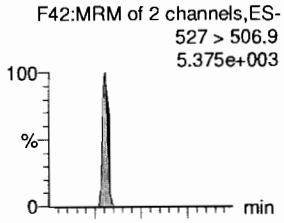


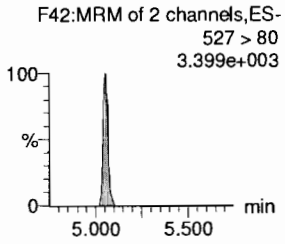
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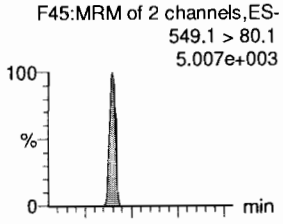


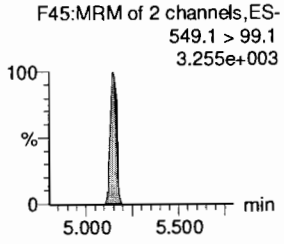
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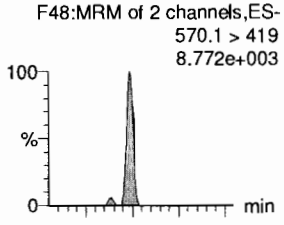


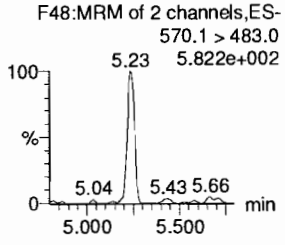
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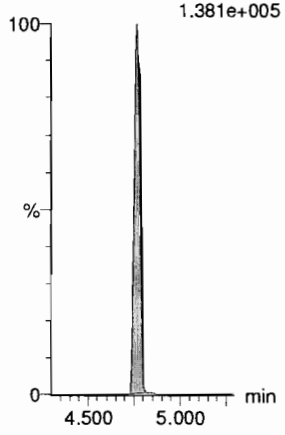


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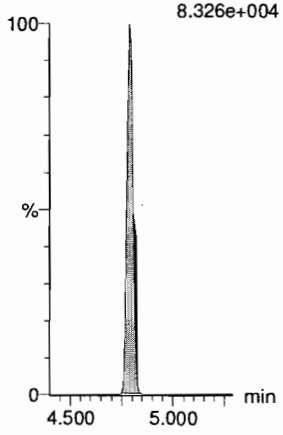




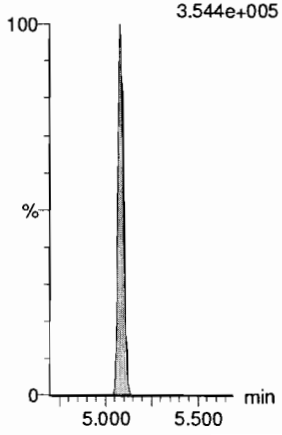
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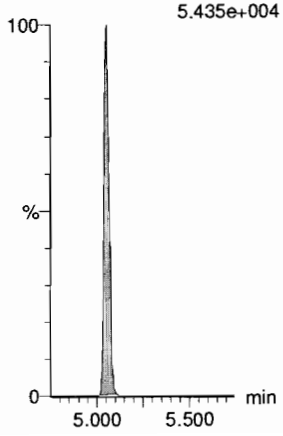
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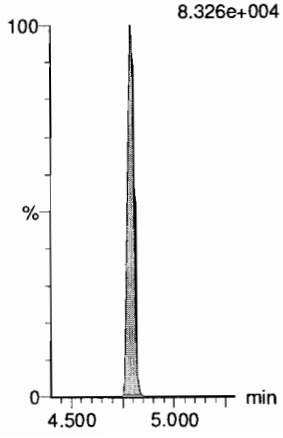
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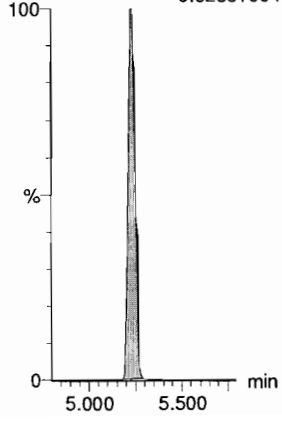
13C2-8:2 FTS



13C8-PFOS



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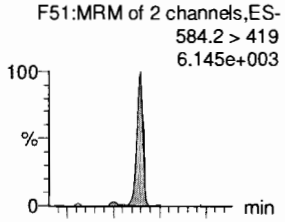


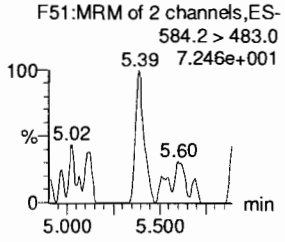
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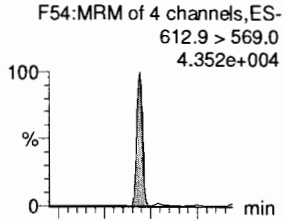
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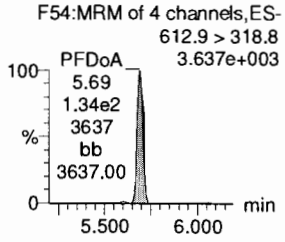
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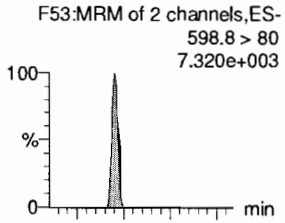


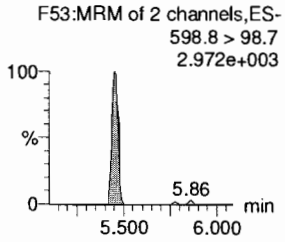
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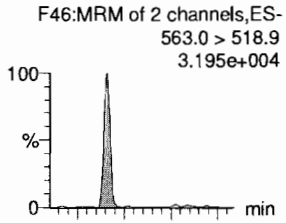


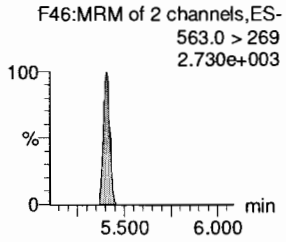
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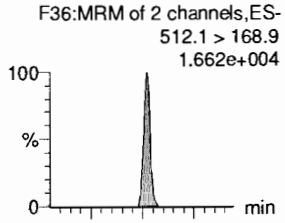


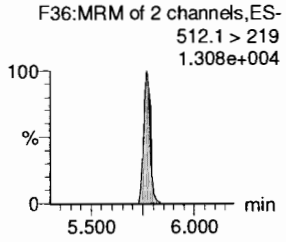
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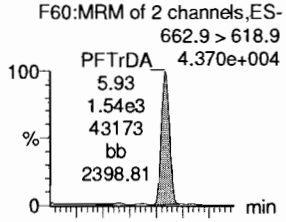


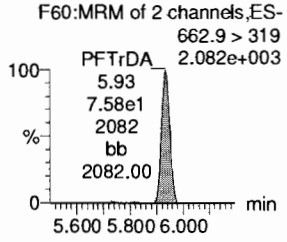
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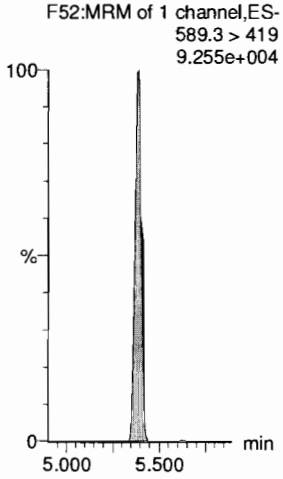


PFTrDA

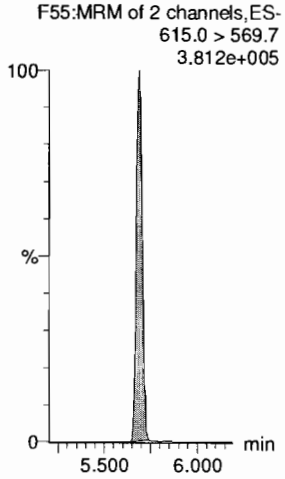




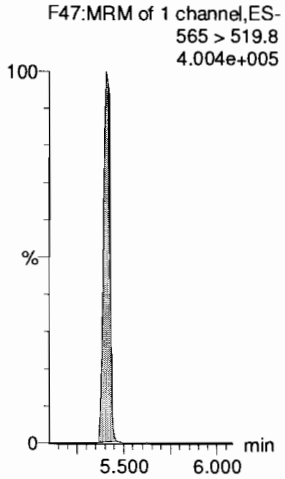
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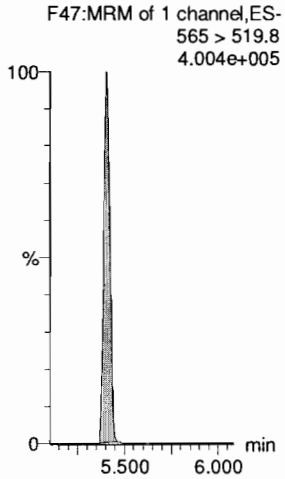
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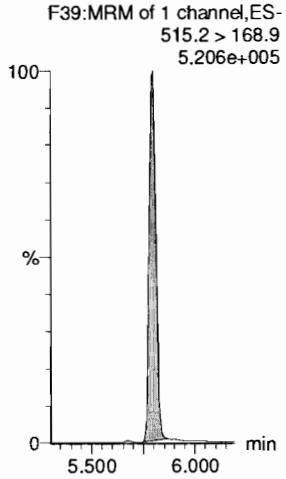
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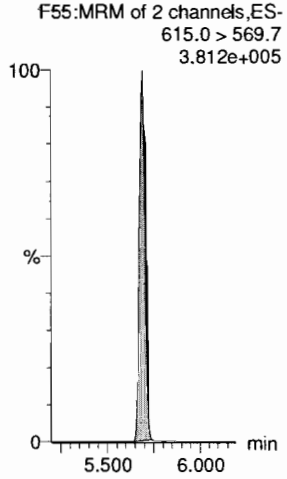
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d3-N-MeFOSA



13C2-PFDoA

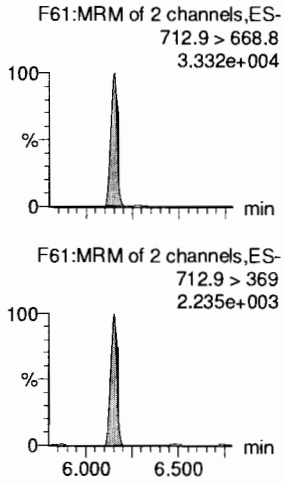


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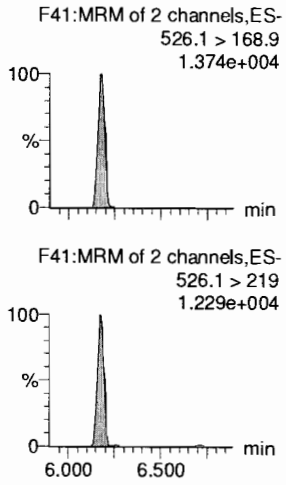
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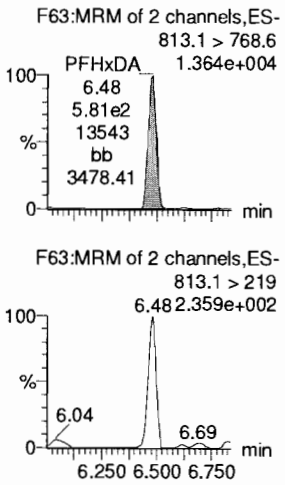
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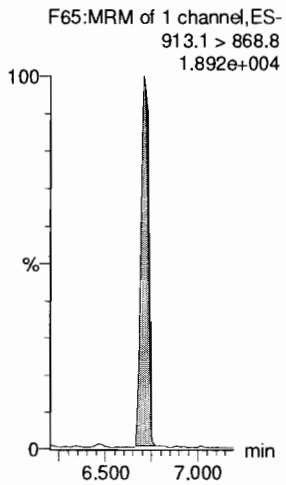
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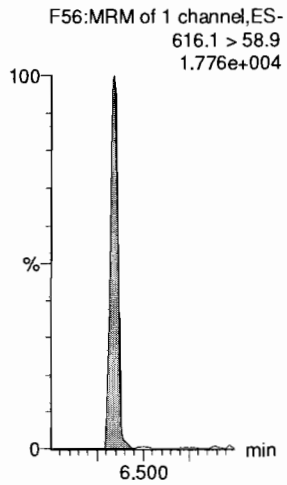
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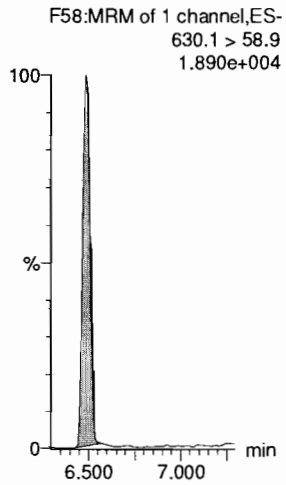
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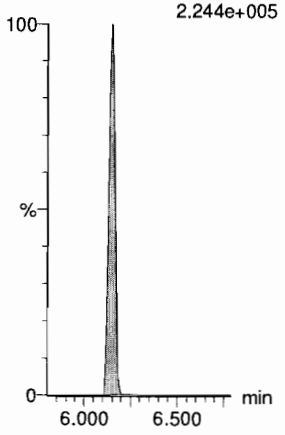
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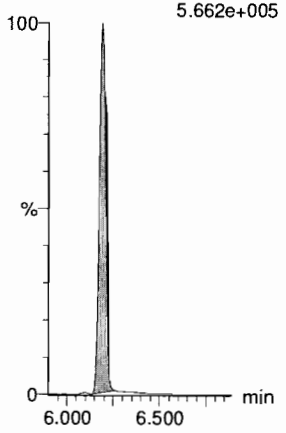
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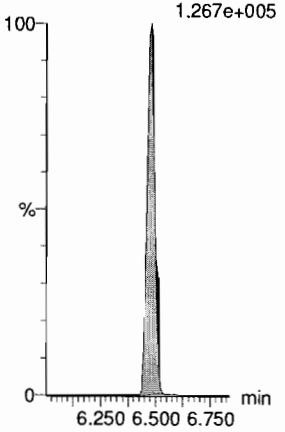
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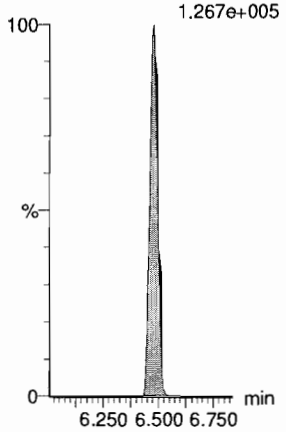
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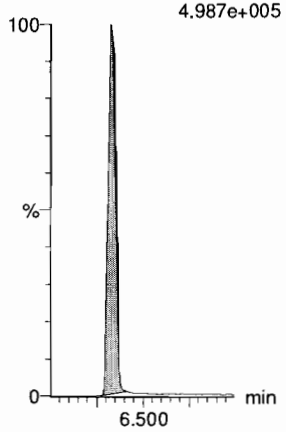
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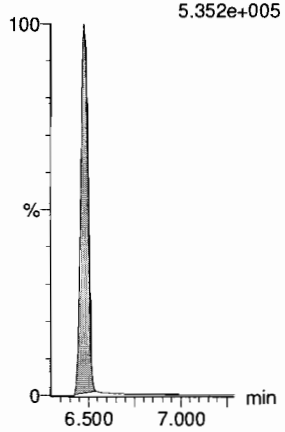
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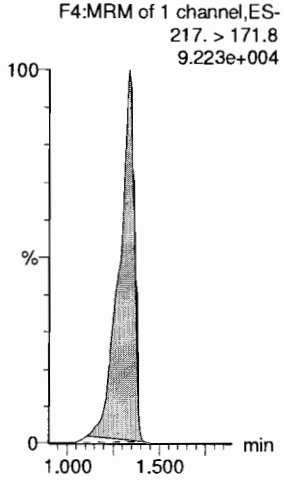


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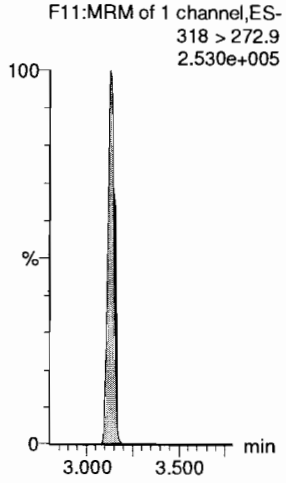
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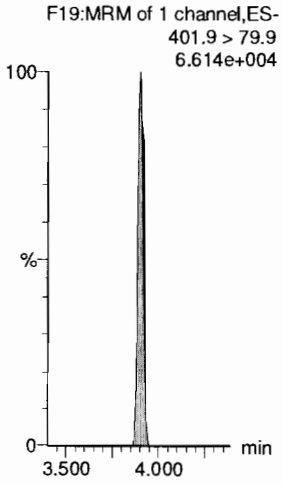
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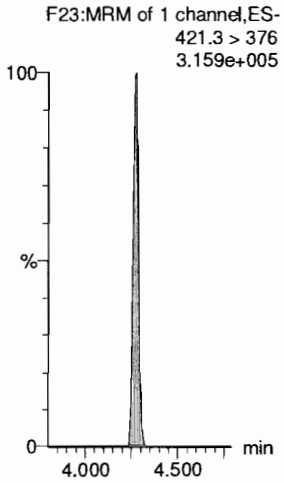
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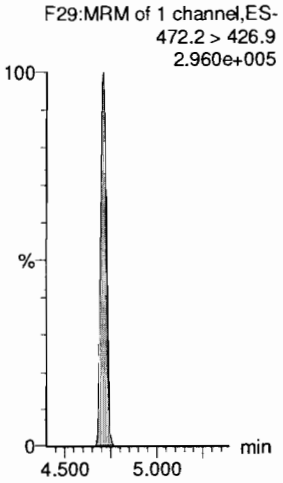
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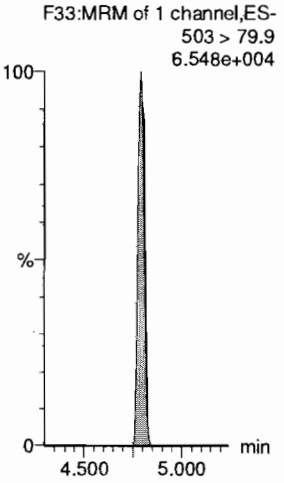
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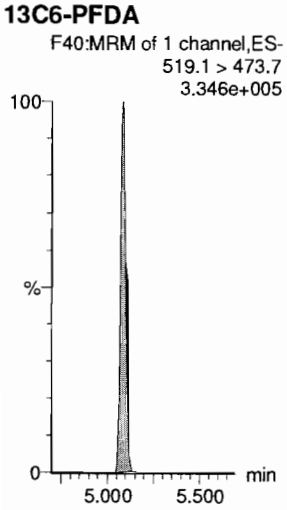
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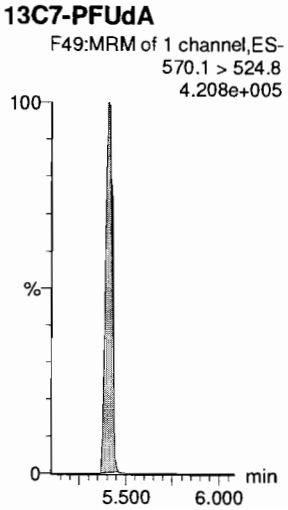
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13C6-PFDA



13C7-PFUdA

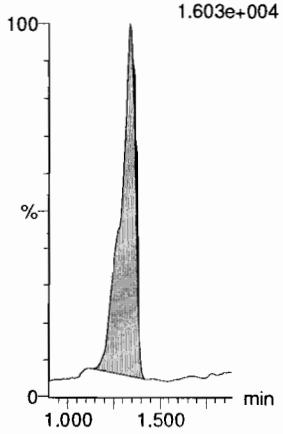


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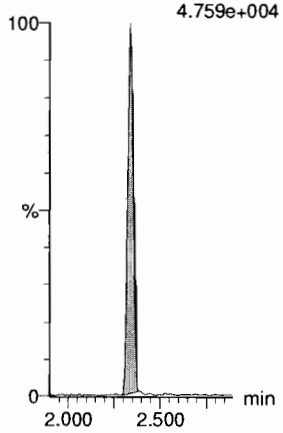
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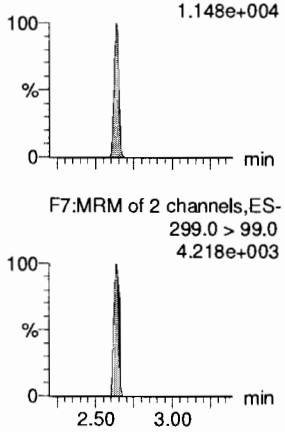
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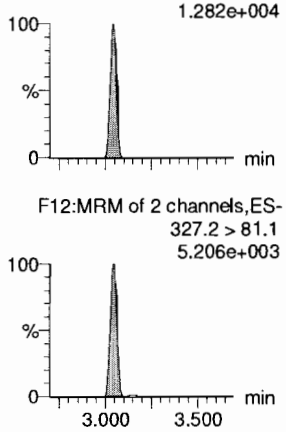
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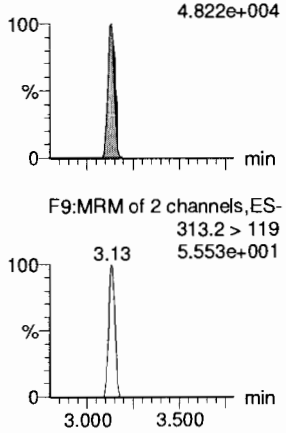
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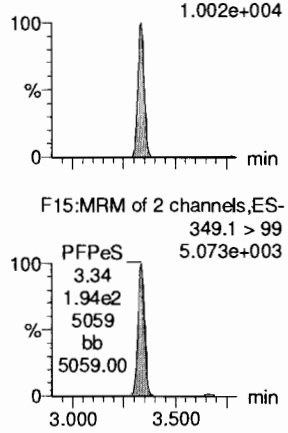
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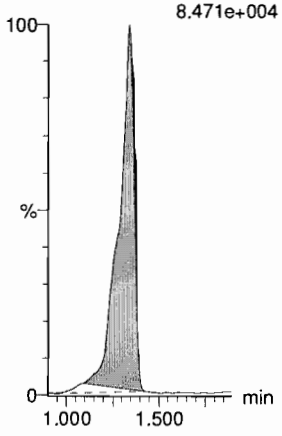
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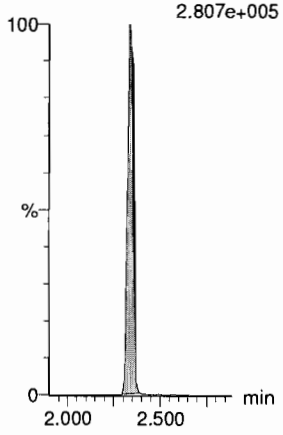
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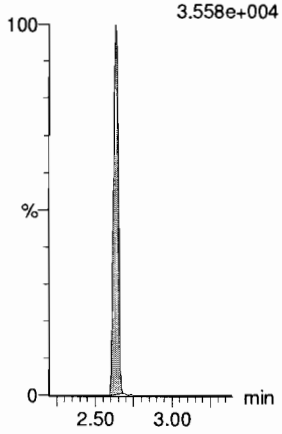
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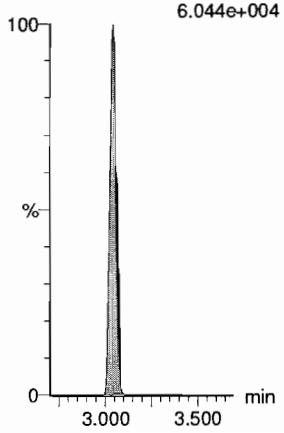
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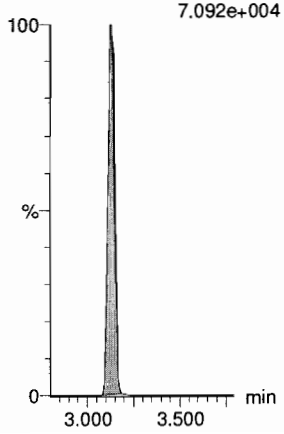
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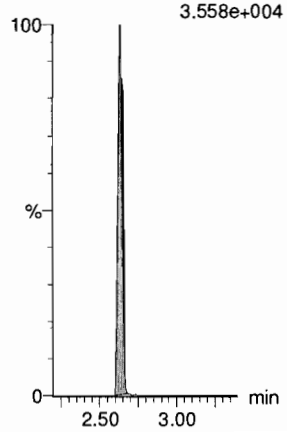
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13C2-PFHxA



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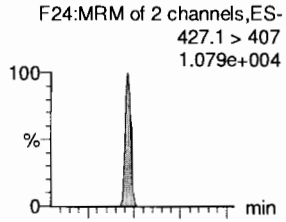


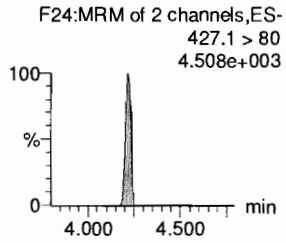
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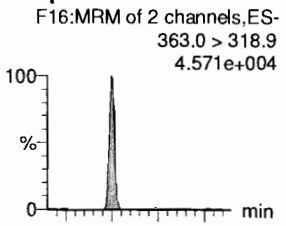
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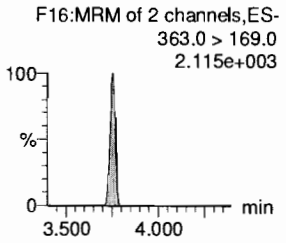
6:2 FTS



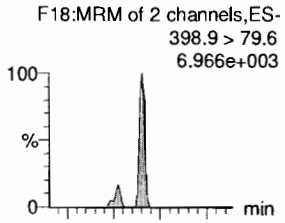


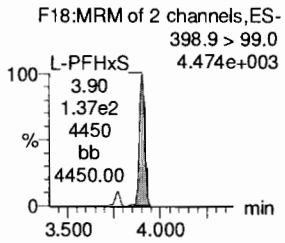
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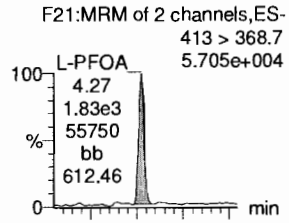


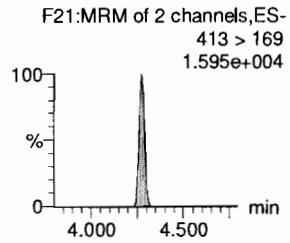
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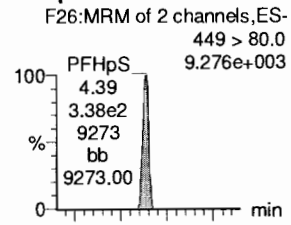


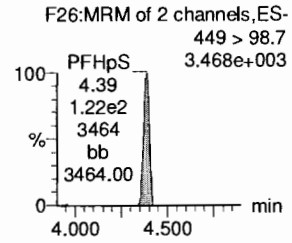
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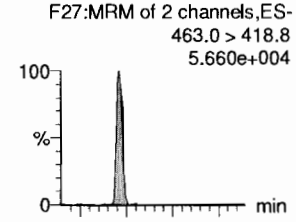


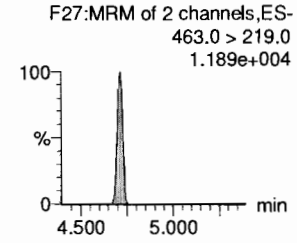
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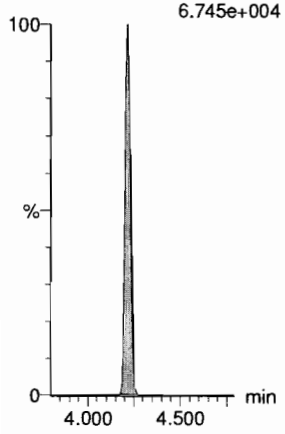


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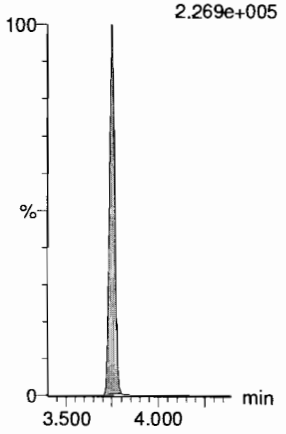




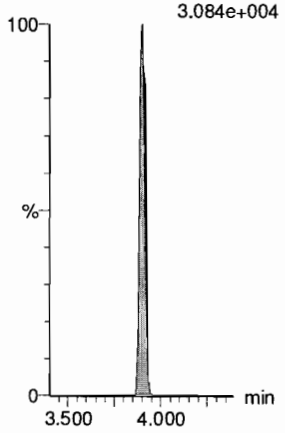
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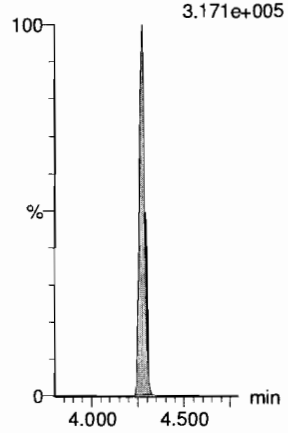
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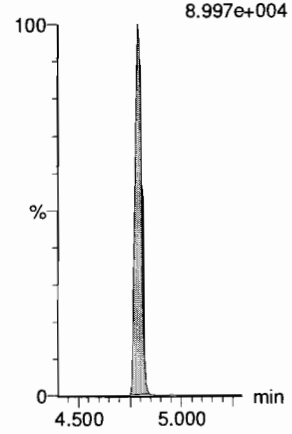
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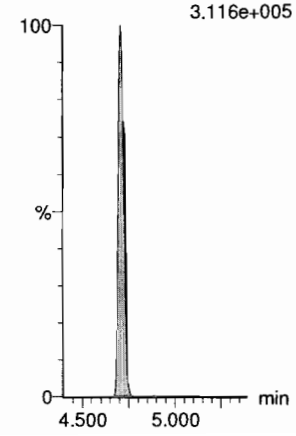
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13C8-PFOS



13C5-PFNA

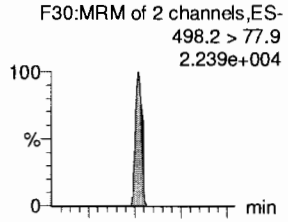


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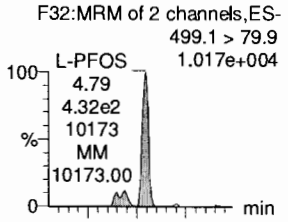
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Name: 180713M2_5, Date: 13-Jul-2018, Time: 17:04:00, ID: ST180713M2-4 PFC CS1 18G0507, Description: PFC CS1 18G0507

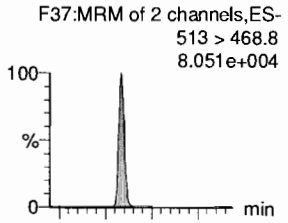
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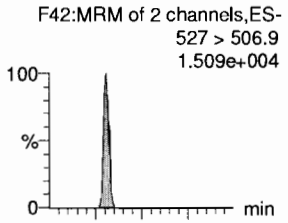
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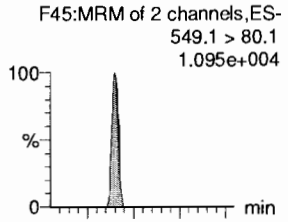
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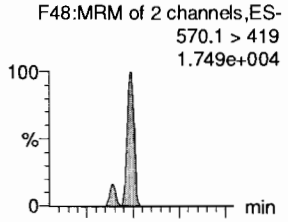
8:2 FTS

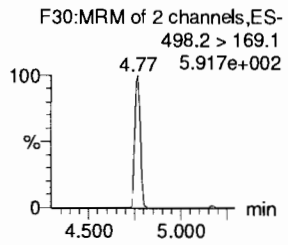


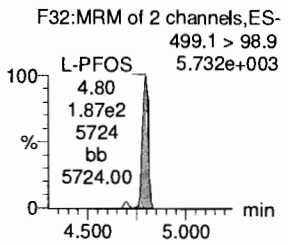
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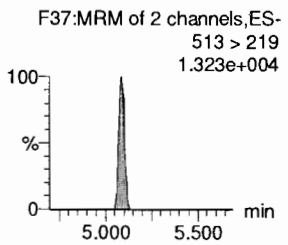


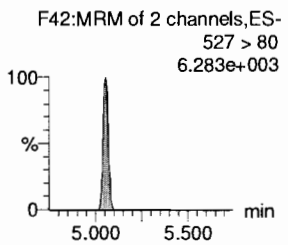
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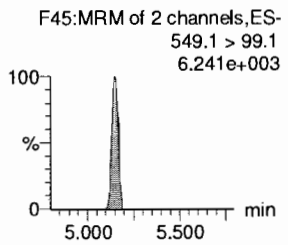


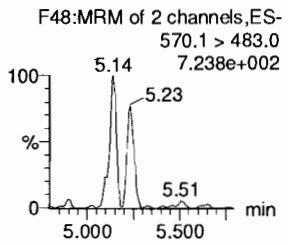




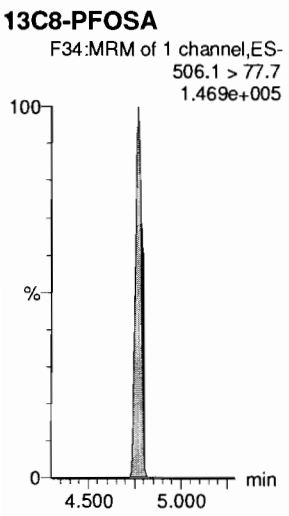




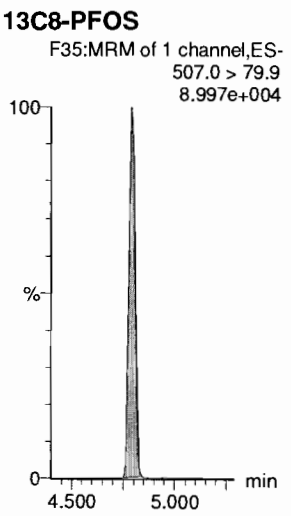




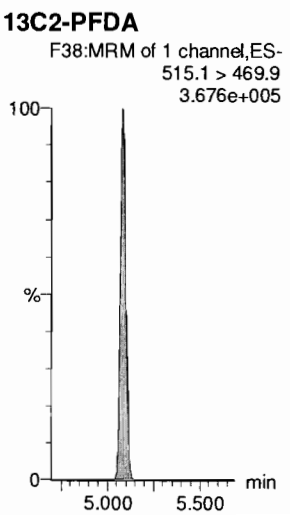
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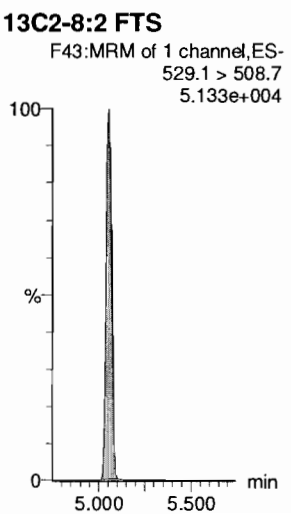
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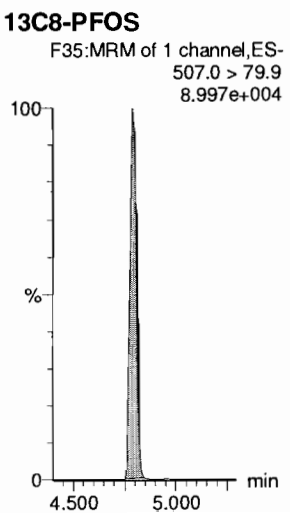
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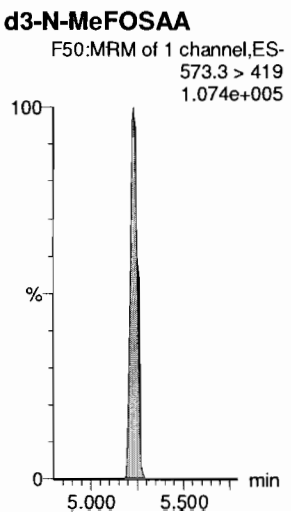
13C2-8:2 FTS



13C8-PFOS



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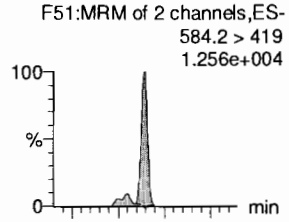


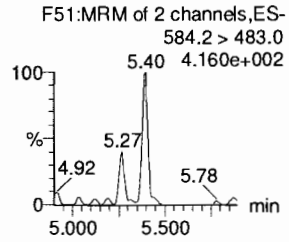
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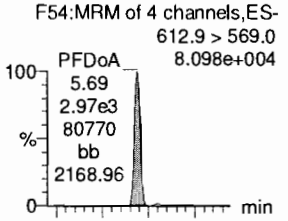
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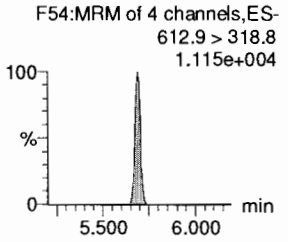
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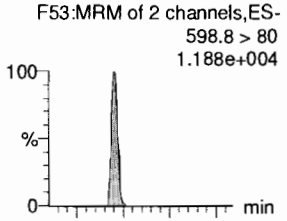


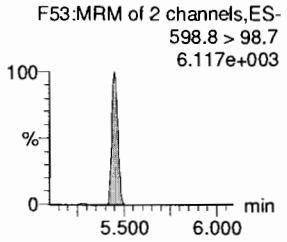
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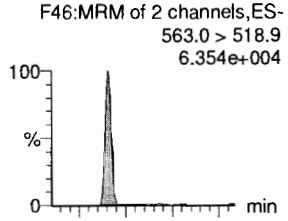


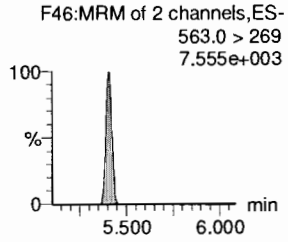
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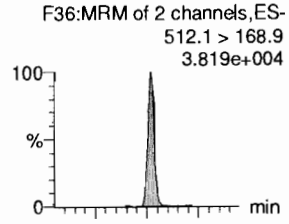


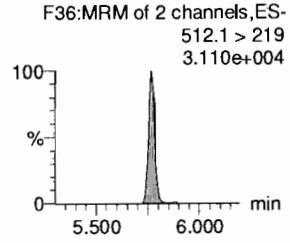
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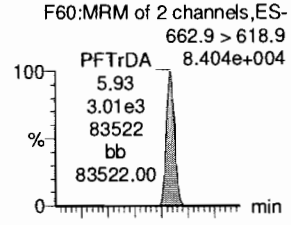


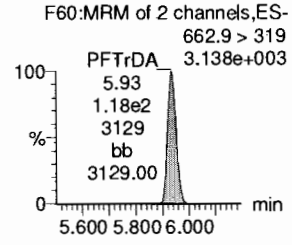
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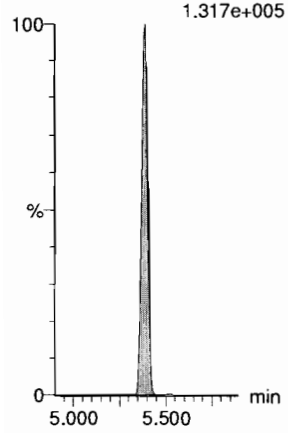


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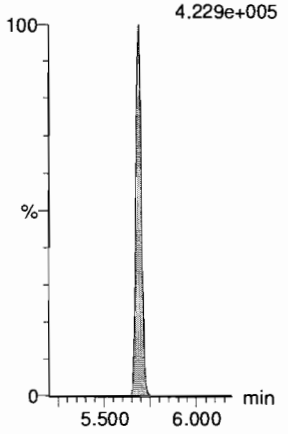




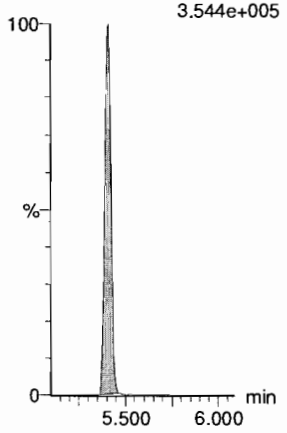
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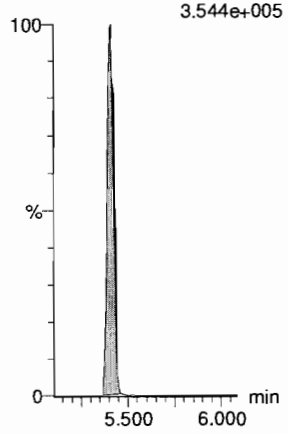
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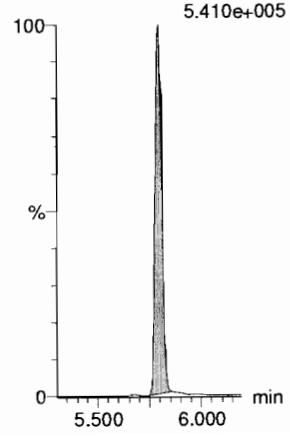
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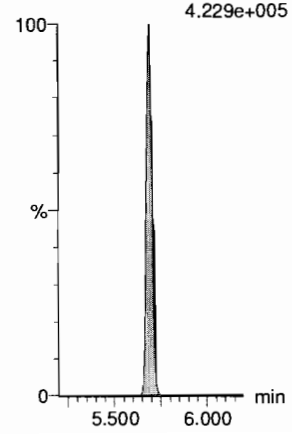
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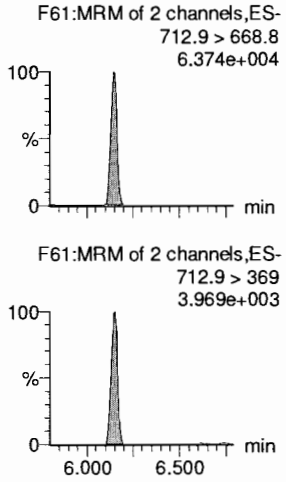


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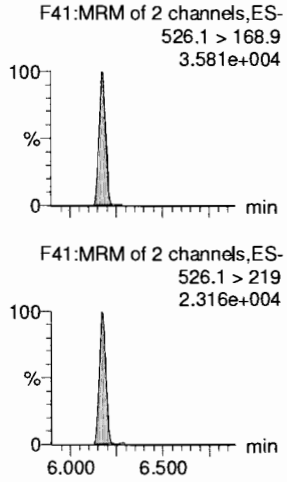
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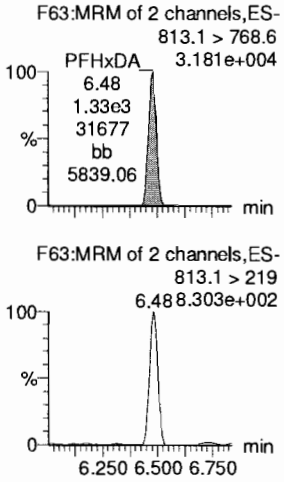
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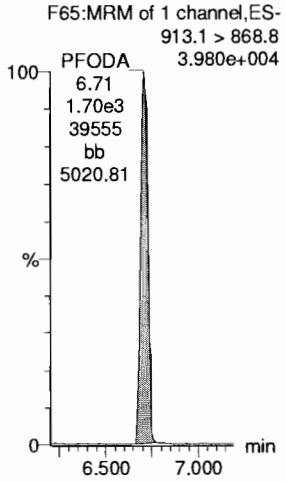
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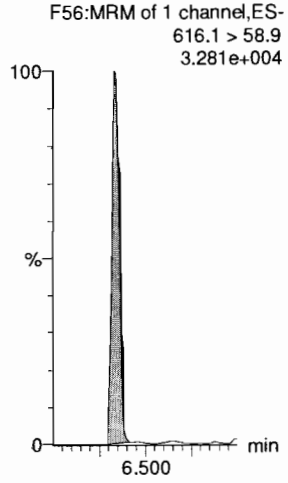
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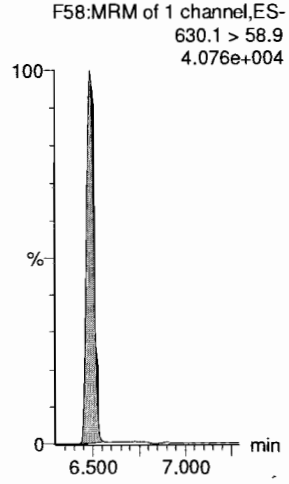
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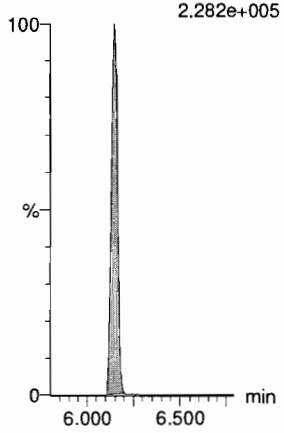
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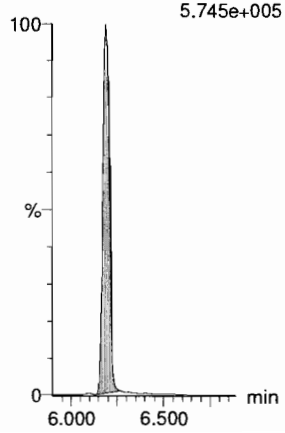
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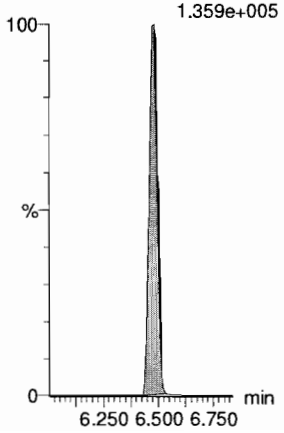
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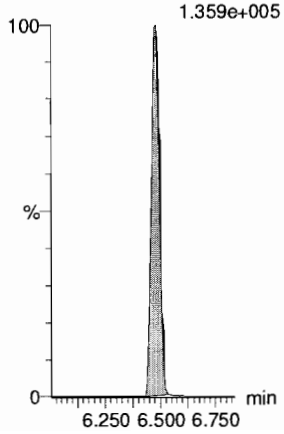
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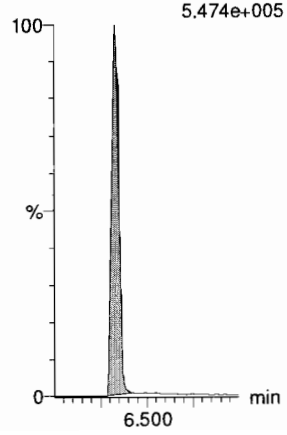
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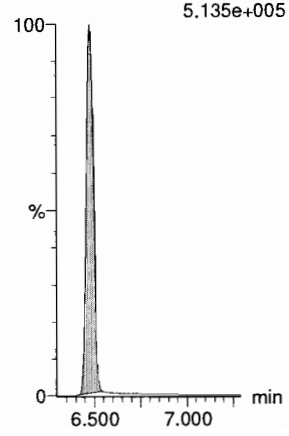
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d7-N-MeFOSE



d9-N-EtFOSE

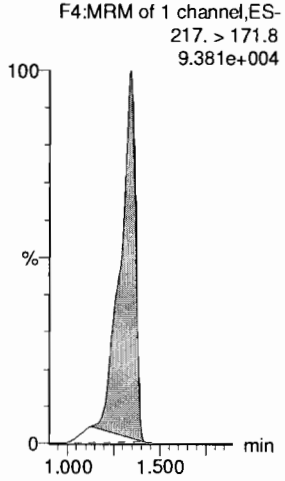


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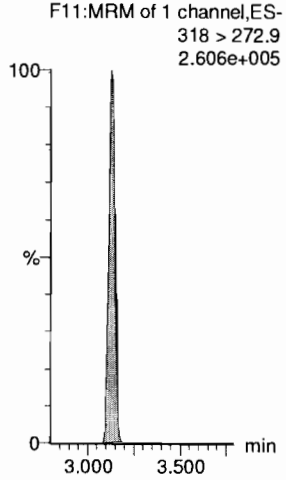
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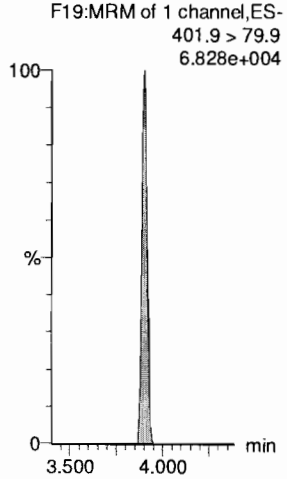
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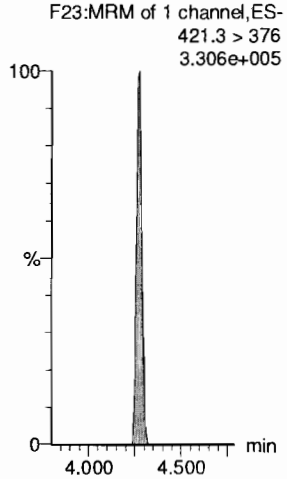
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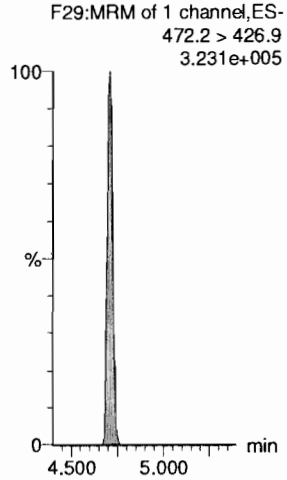
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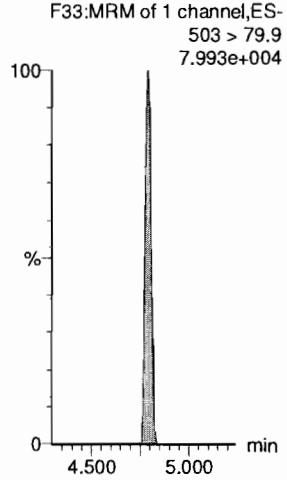
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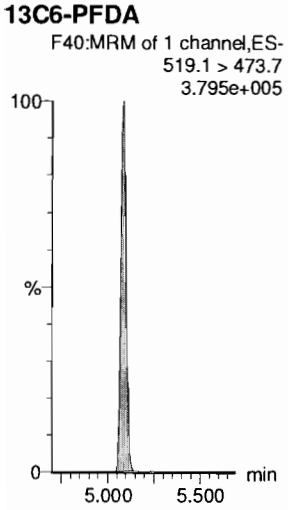
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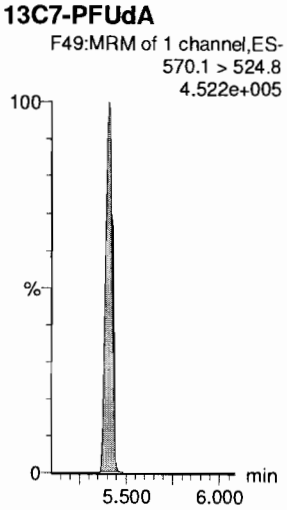
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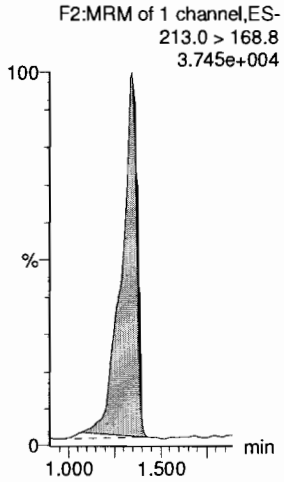


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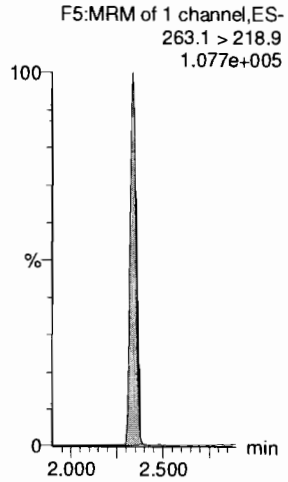
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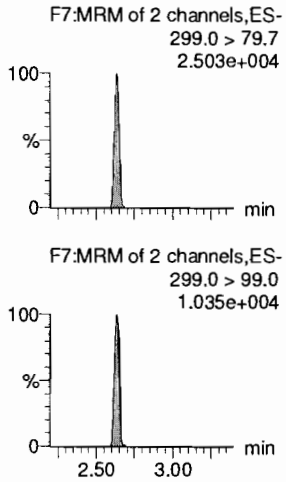
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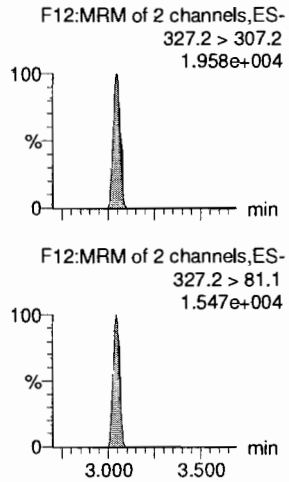
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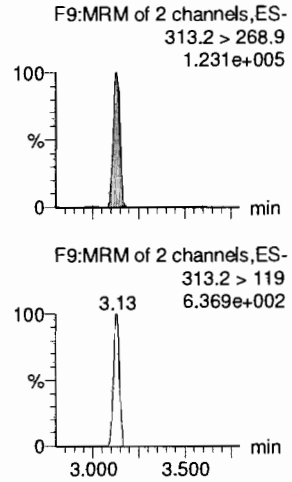
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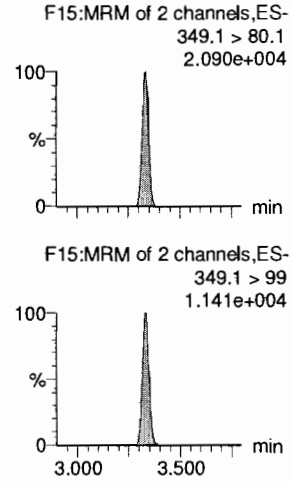
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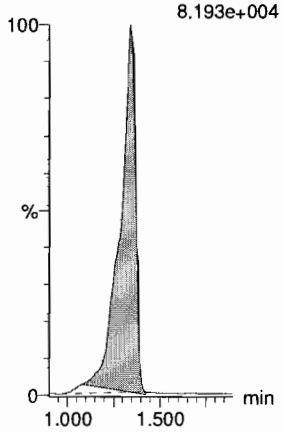
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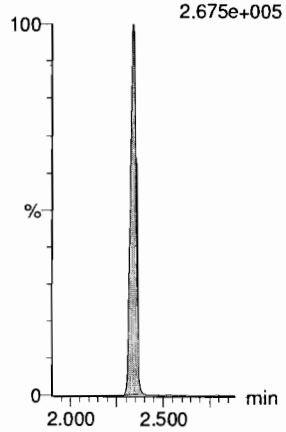
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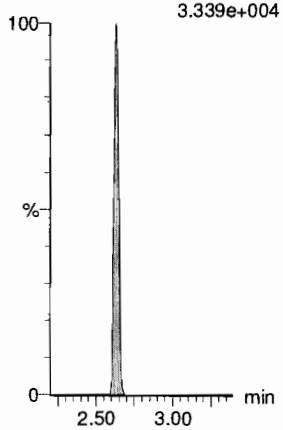
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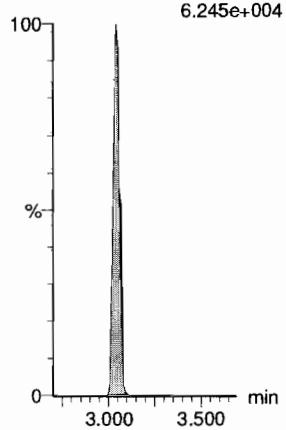
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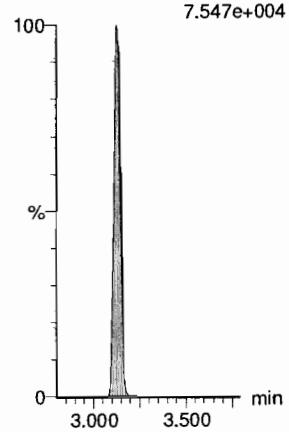
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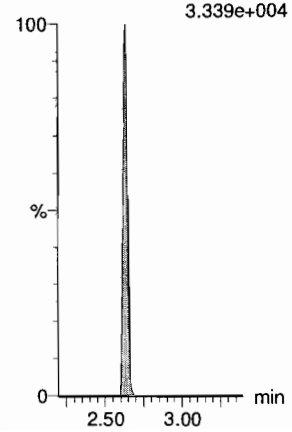
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13C2-PFHxA



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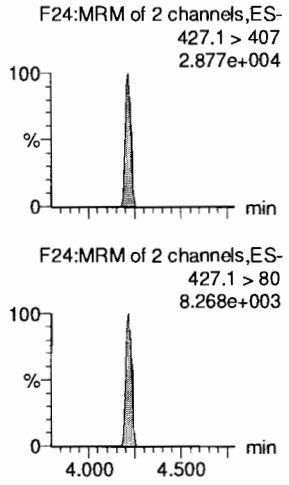


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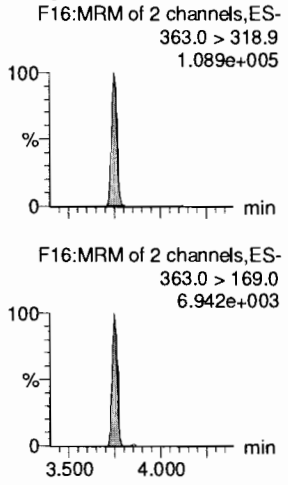
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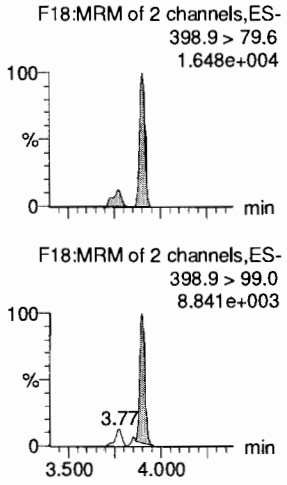
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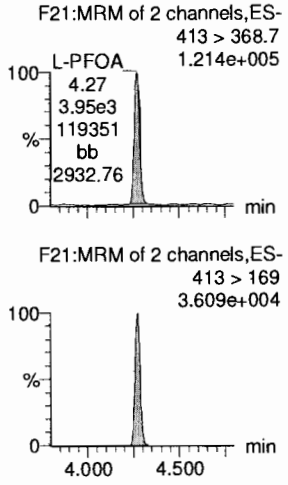
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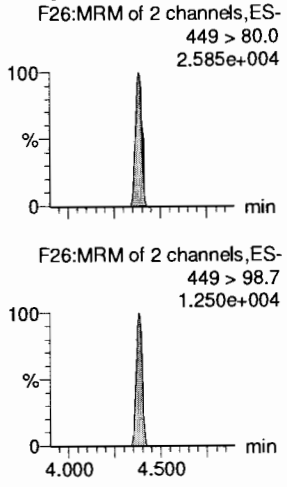
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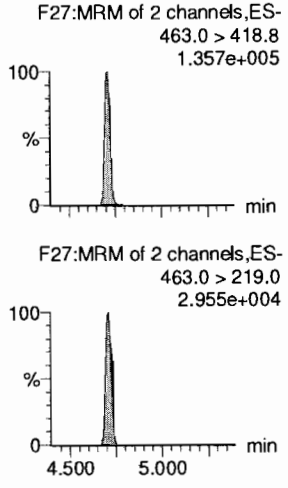
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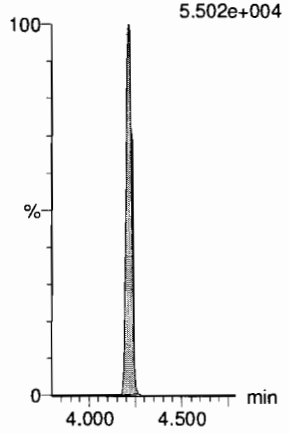
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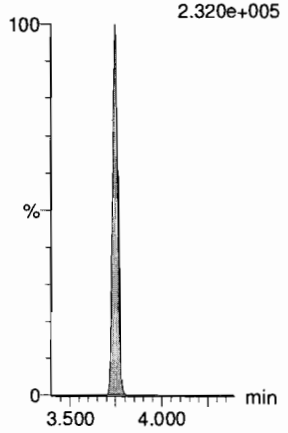
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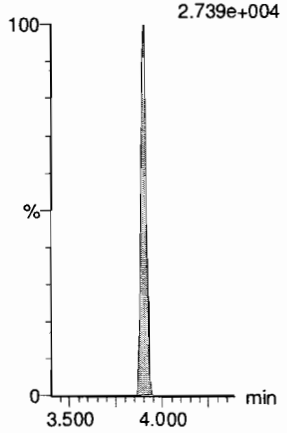
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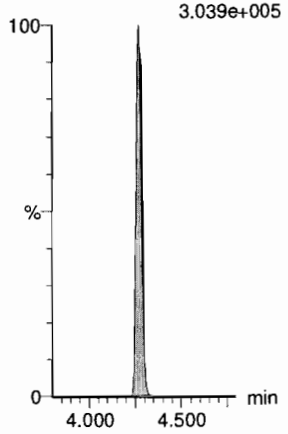
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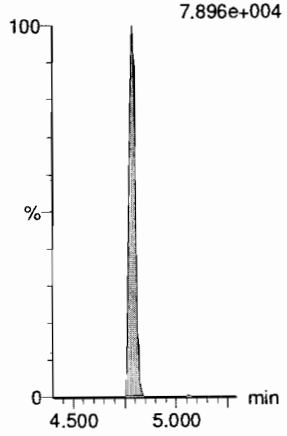
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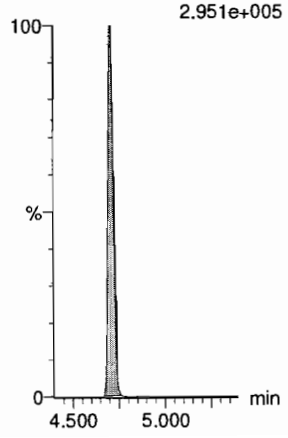
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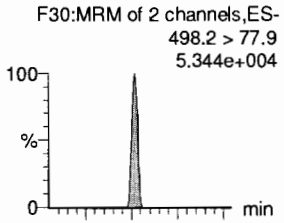


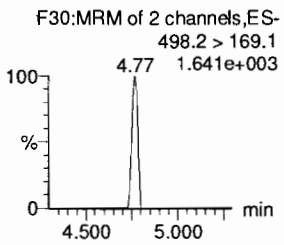
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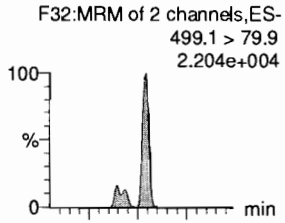
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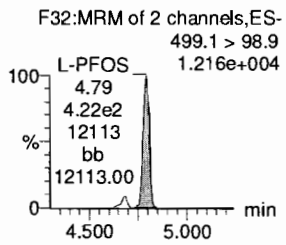
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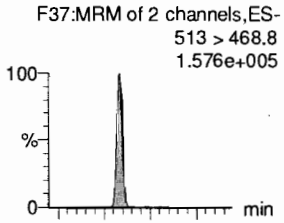


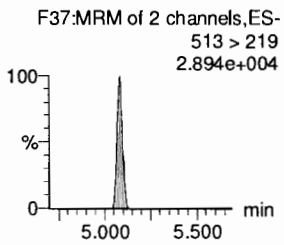
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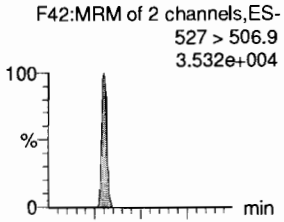


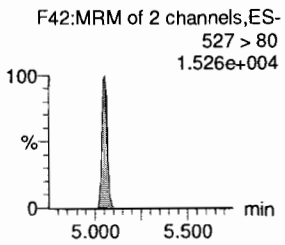
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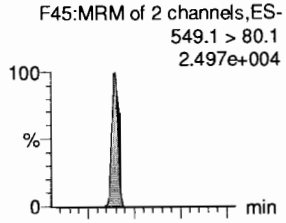


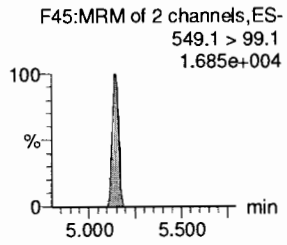
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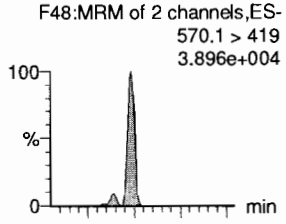


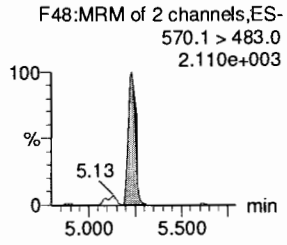
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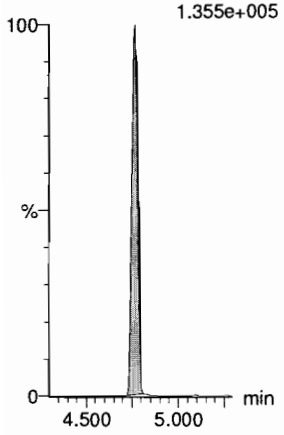


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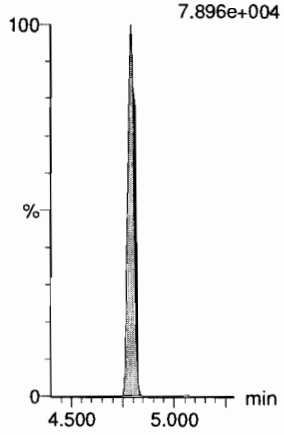




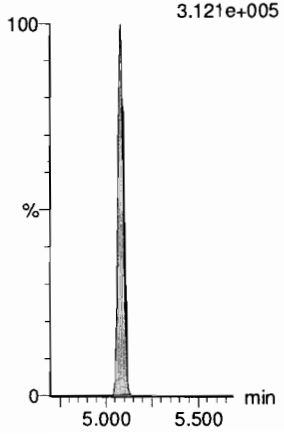
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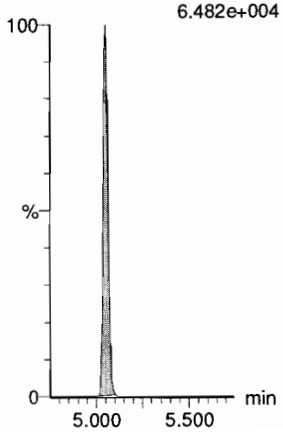
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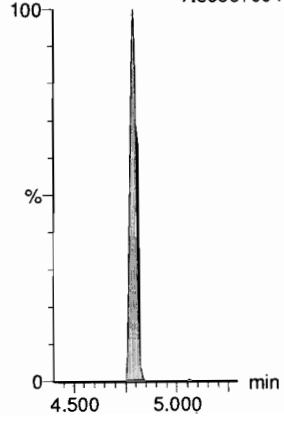
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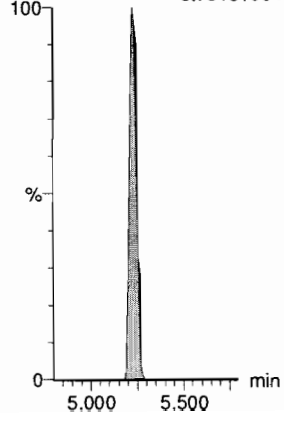
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13C8-PFOS



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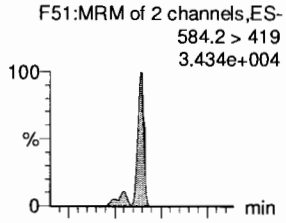


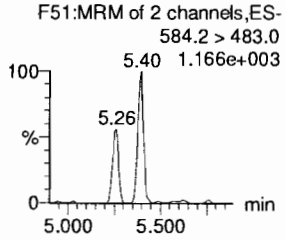
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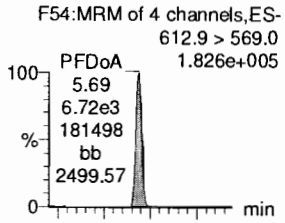
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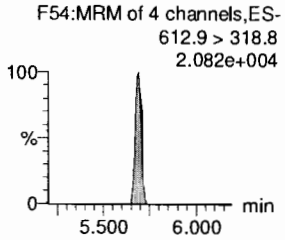
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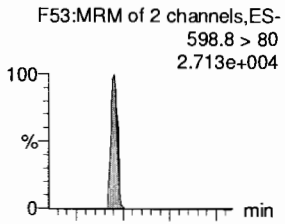


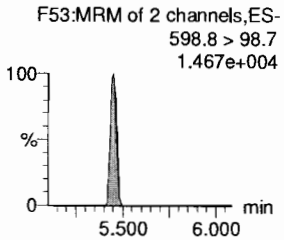
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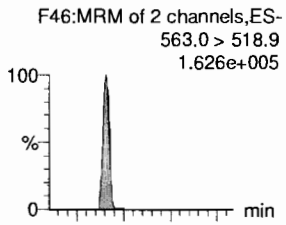


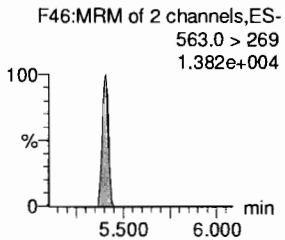
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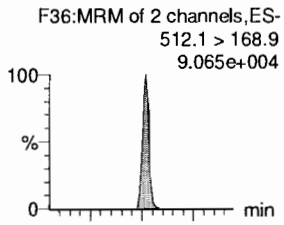


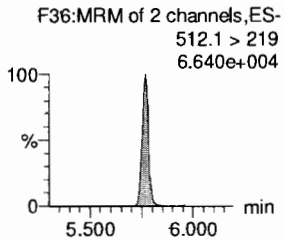
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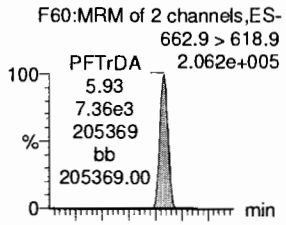


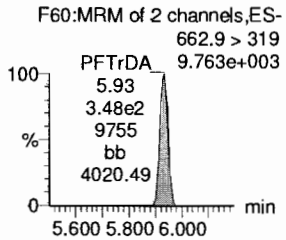
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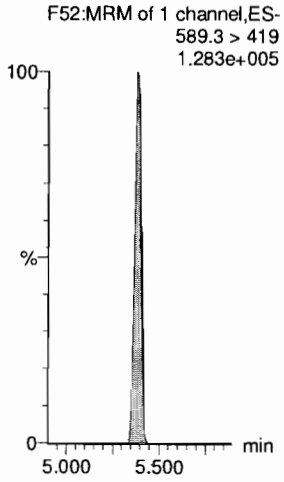


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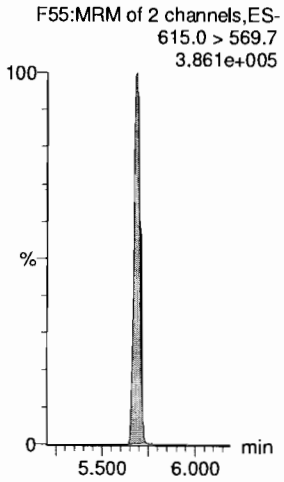




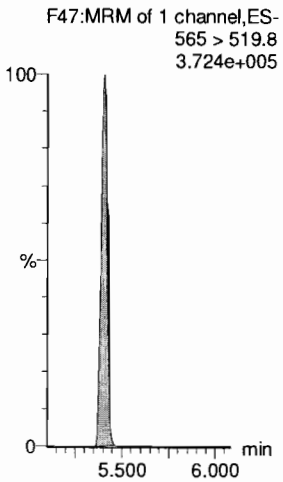
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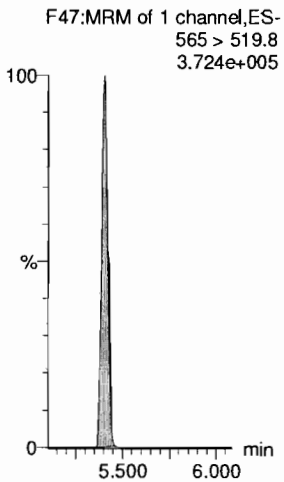
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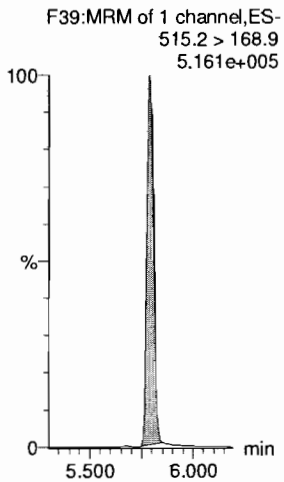
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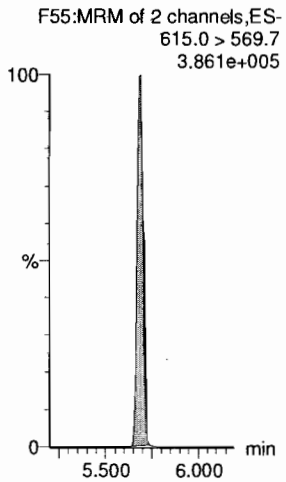
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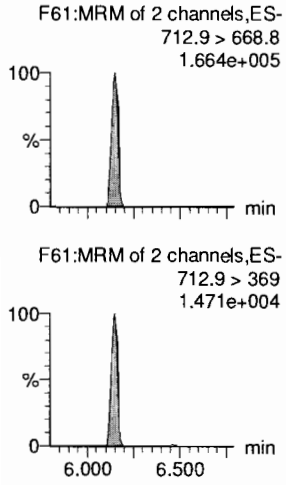


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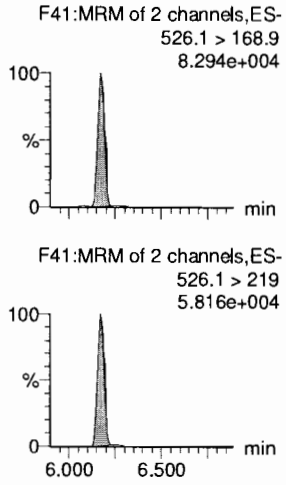
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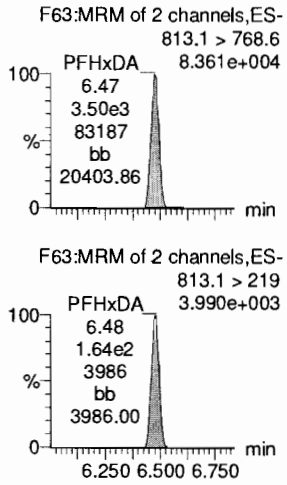
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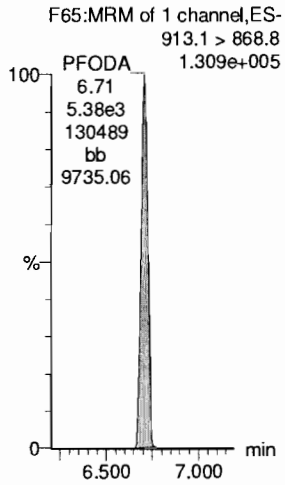
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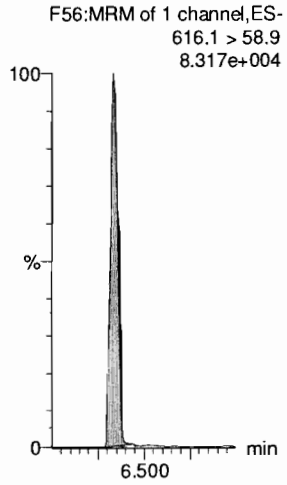
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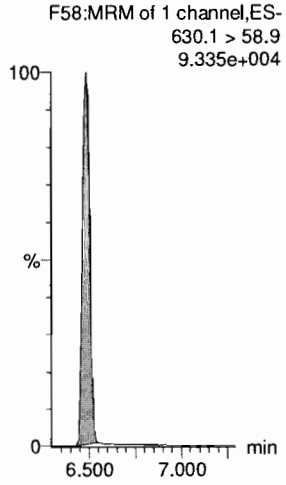
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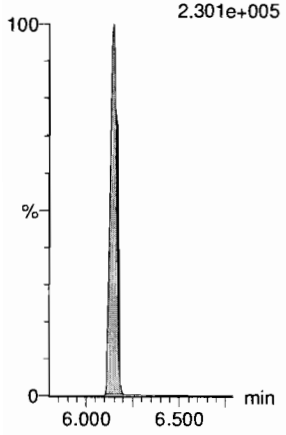
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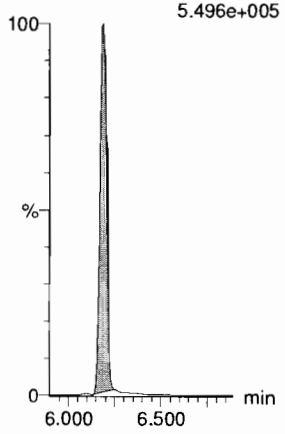
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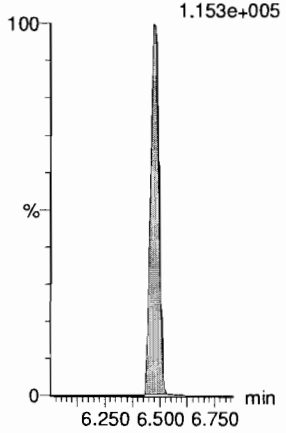
13C2-PFTeDA



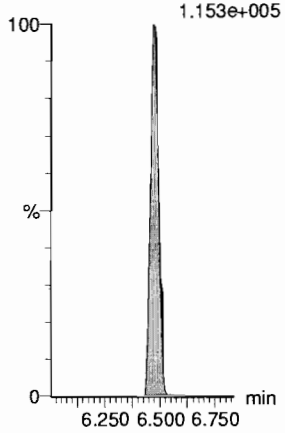
d5-N-ETFOSA



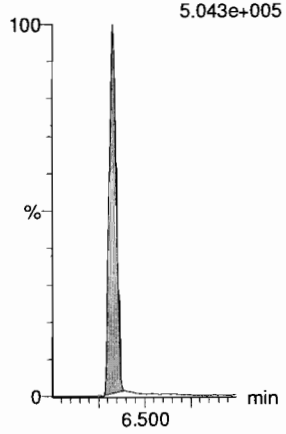
13C2-PFHxDA



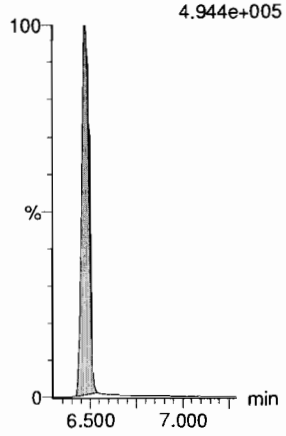
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

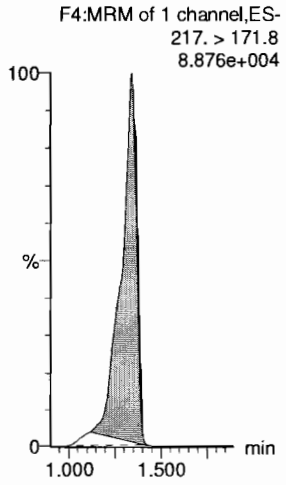


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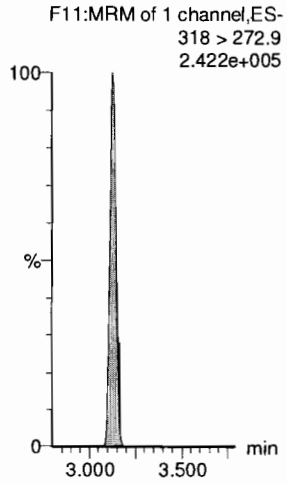
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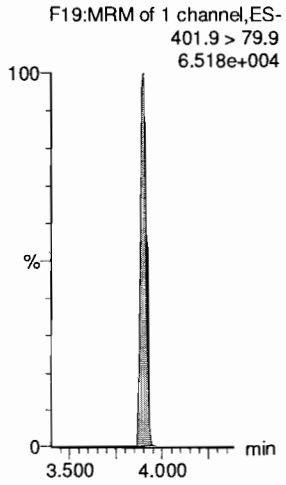
13C4-PFBA



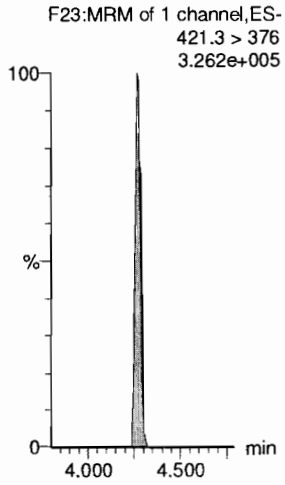
13C5-PFHxA



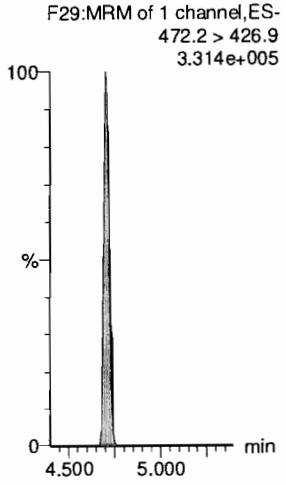
13C3-PFHxS



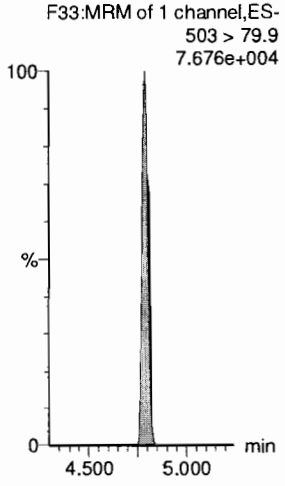
13C8-PFOA



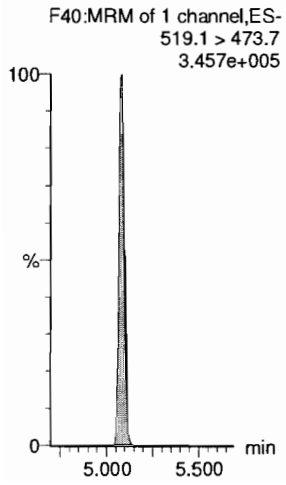
13C9-PFNA



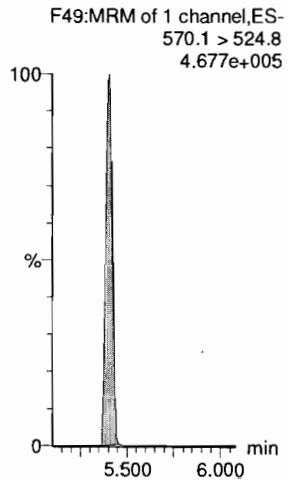
13C4-PFOS



13C6-PFDA



13C7-PFUdA

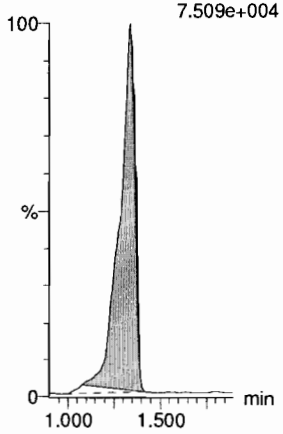


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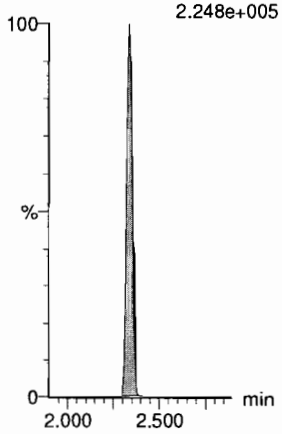
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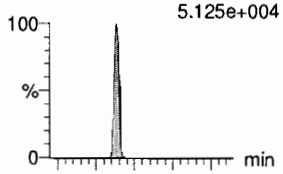
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
7.509e+004



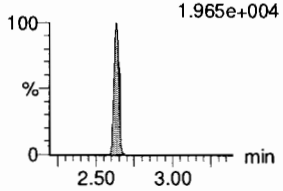
PFPeA
F5:MRM of 1 channel,ES-
263.1 > 218.9
2.248e+005



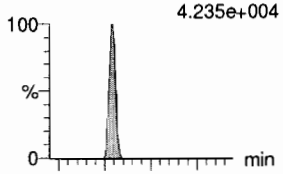
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
5.125e+004



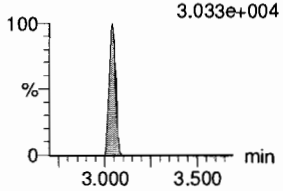
F7:MRM of 2 channels,ES-
299.0 > 99.0
1.965e+004



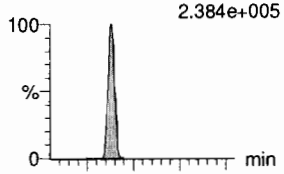
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
4.235e+004



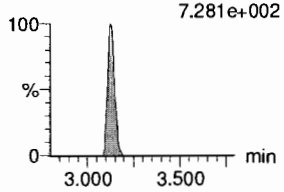
F12:MRM of 2 channels,ES-
327.2 > 81.1
3.033e+004



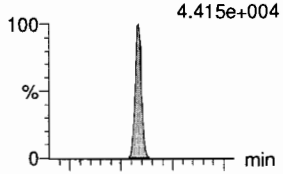
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
2.384e+005



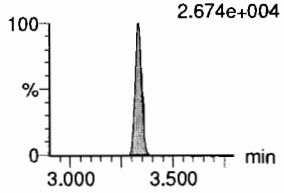
F9:MRM of 2 channels,ES-
313.2 > 119
7.281e+002



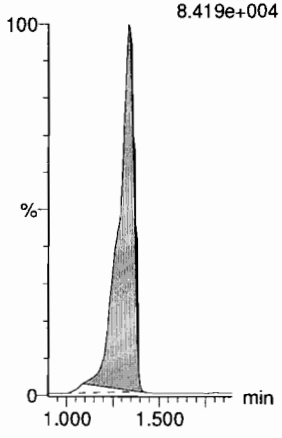
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
4.415e+004



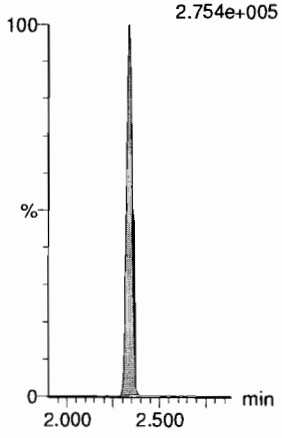
F15:MRM of 2 channels,ES-
349.1 > 99
2.674e+004



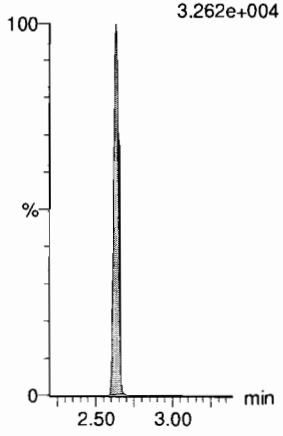
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
8.419e+004



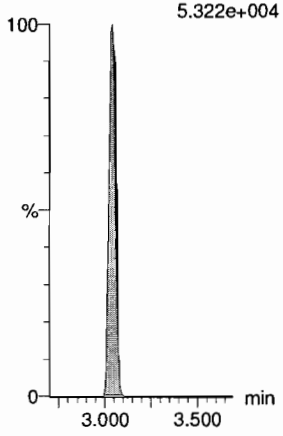
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
2.754e+005



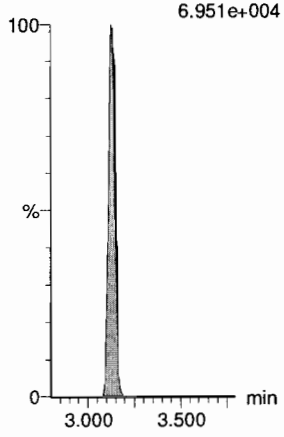
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.262e+004



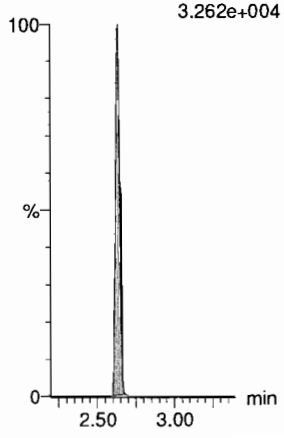
13C2-4:2 FTS
F13:MRM of 1 channel,ES-
329.2 > 308.9
5.322e+004



13C2-PFHxA
F10:MRM of 1 channel,ES-
315 > 269.8
6.951e+004



13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.262e+004

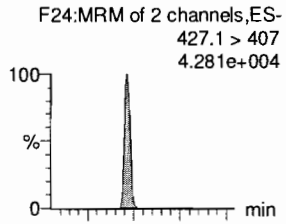


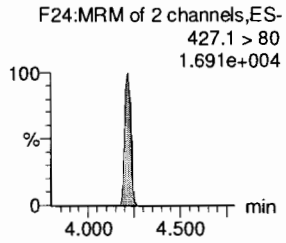
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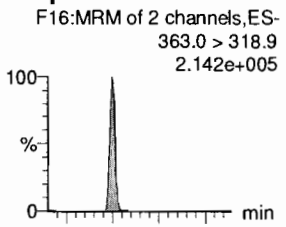
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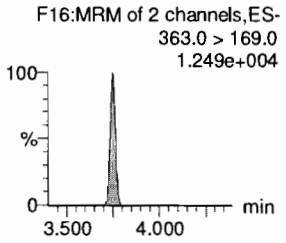
6:2 FTS



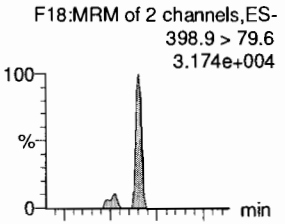


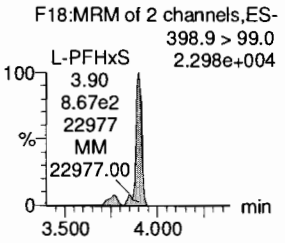
PFHpA



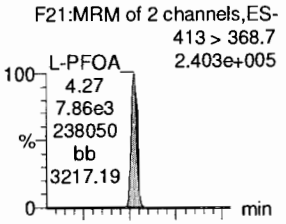


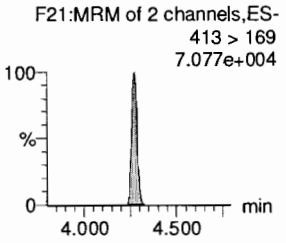
L-PFHxS



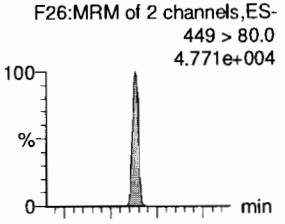


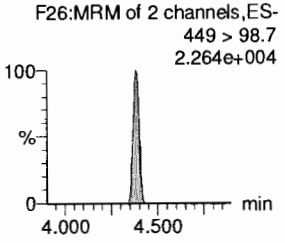
L-PFOA



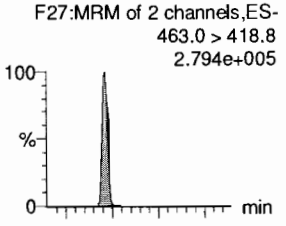


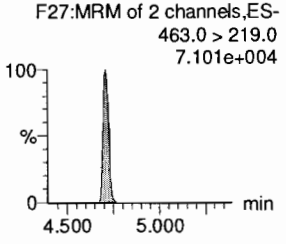
PFHpS



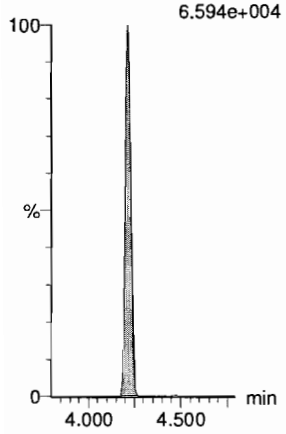


PFNA

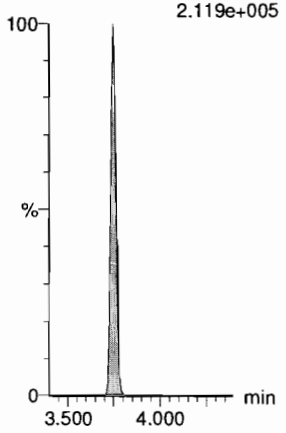




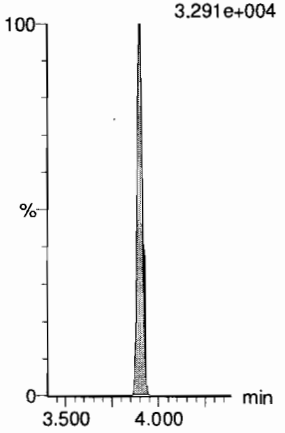
13C2-6:2 FTS



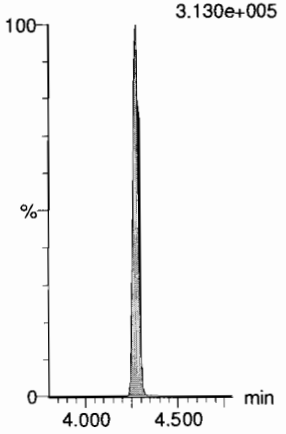
13C4-PFHpA



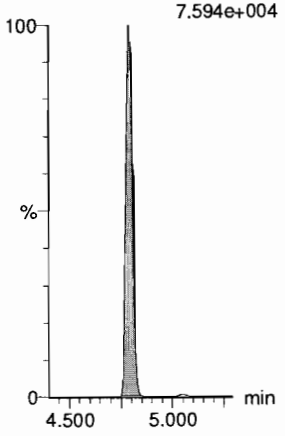
18O2-PFHxS



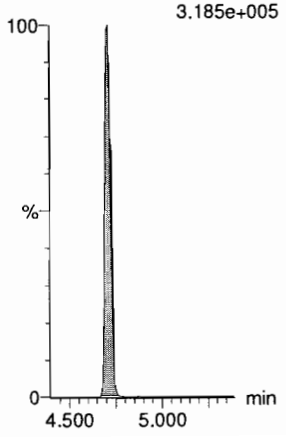
13C2-PFOA



13C8-PFOS



13C5-PFNA

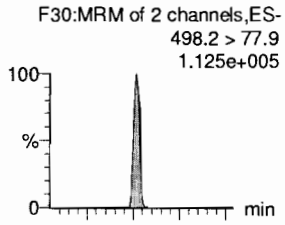


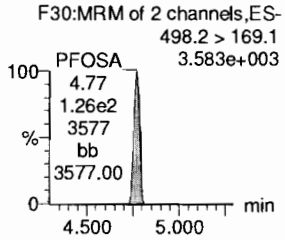
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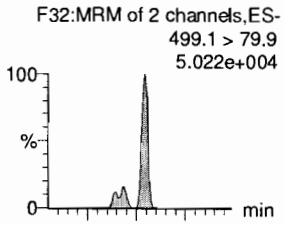
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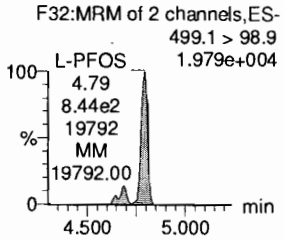
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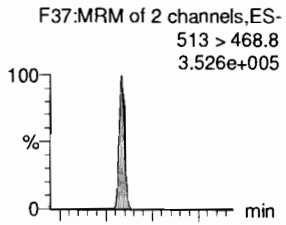


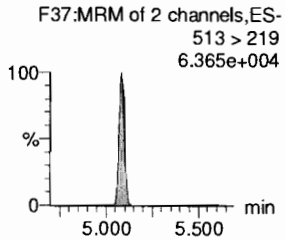
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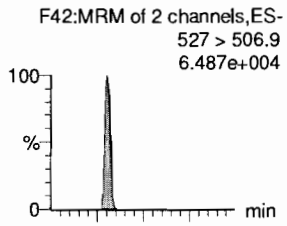


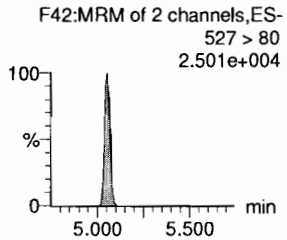
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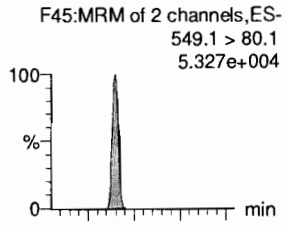


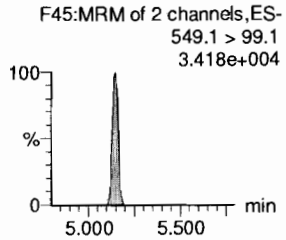
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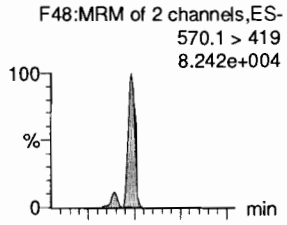


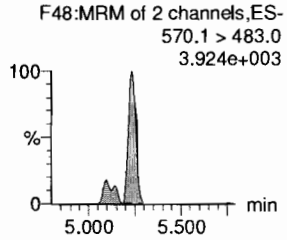
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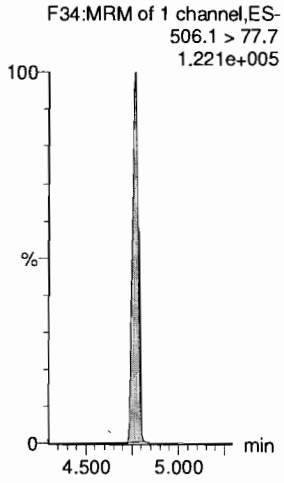


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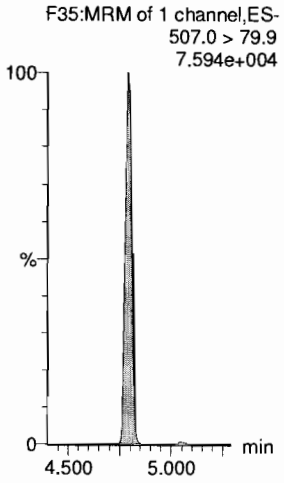




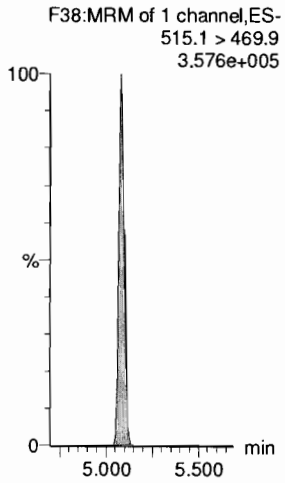
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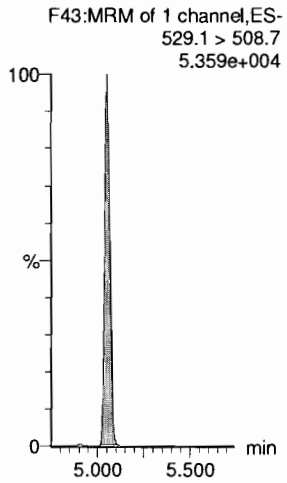
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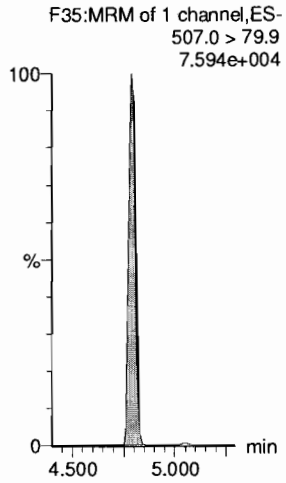
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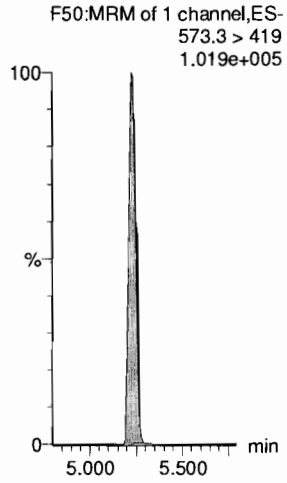
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13C8-PFOS



d3-N-MeFOSAA

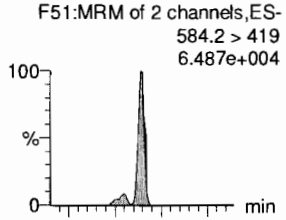


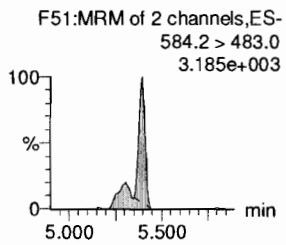
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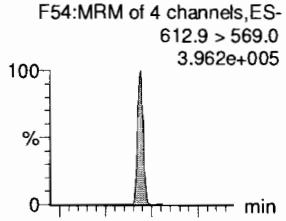
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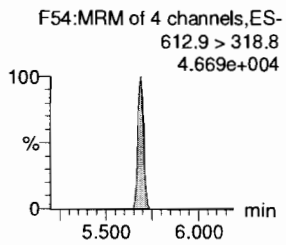
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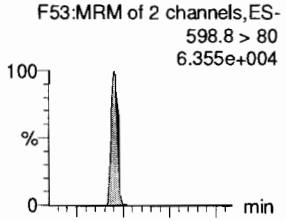


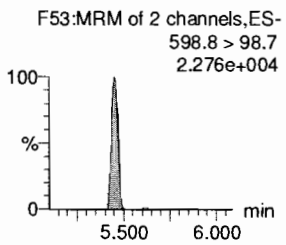
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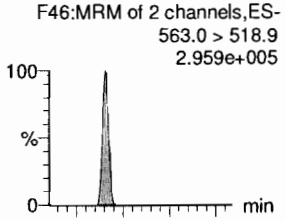


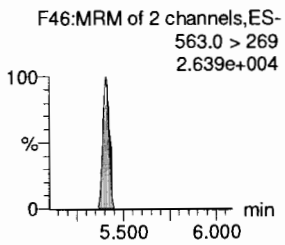
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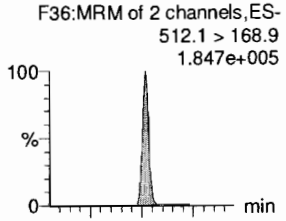


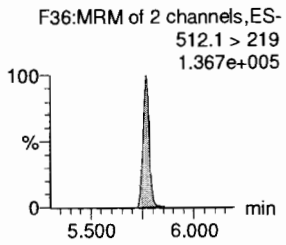
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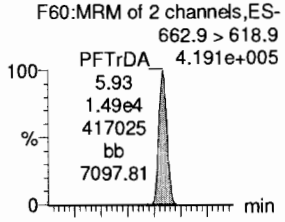


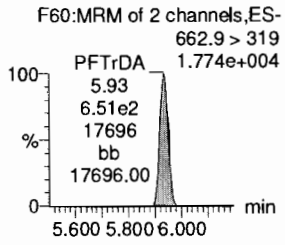
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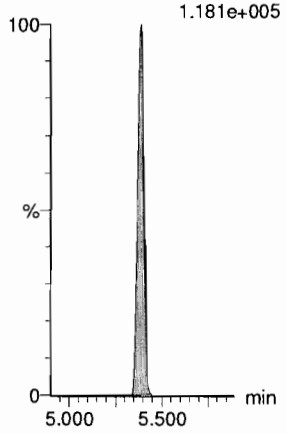


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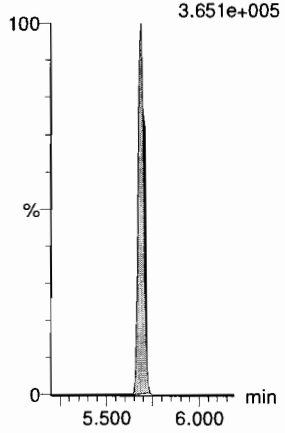




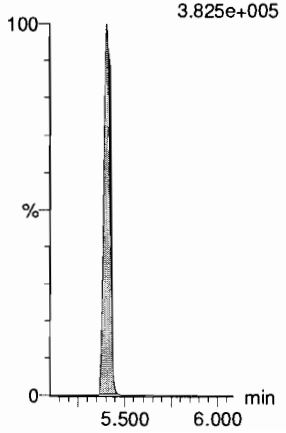
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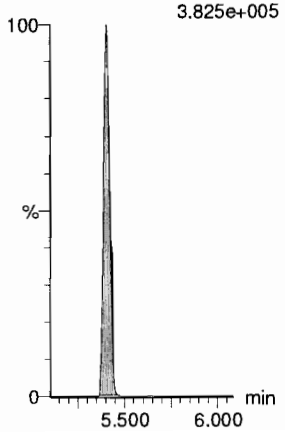
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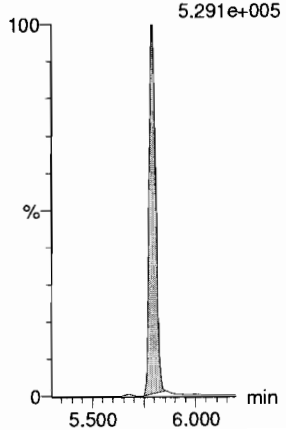
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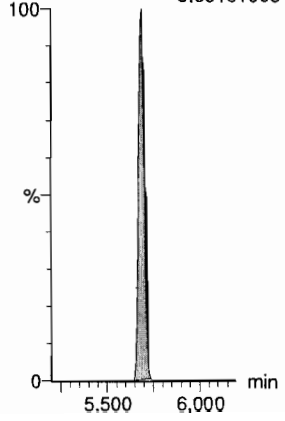
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d3-N-MeFOSA



13C2-PFDoA

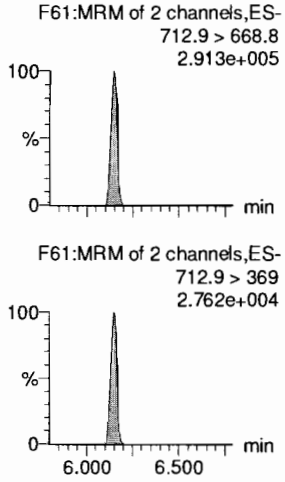


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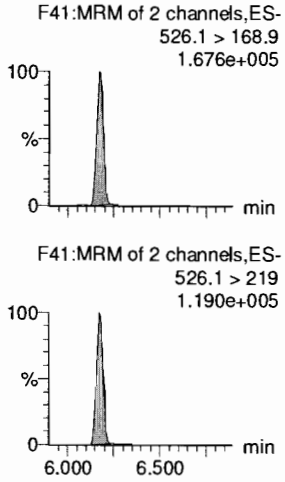
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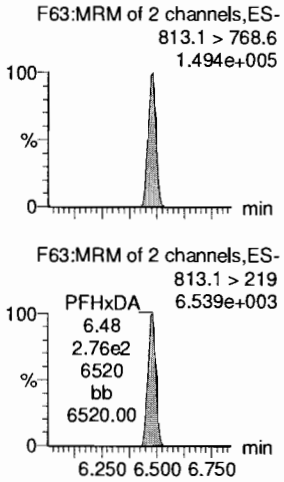
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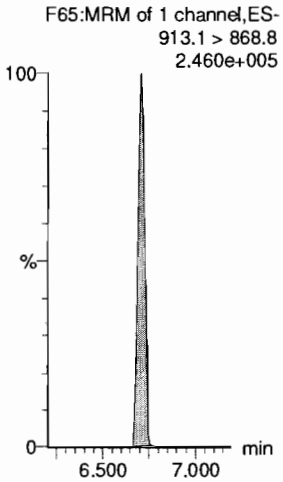
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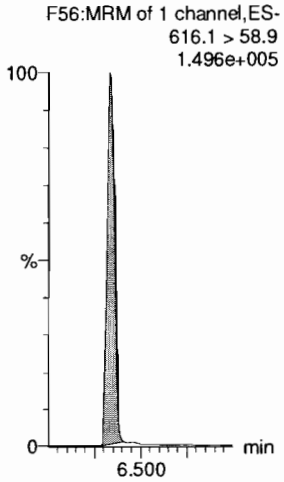
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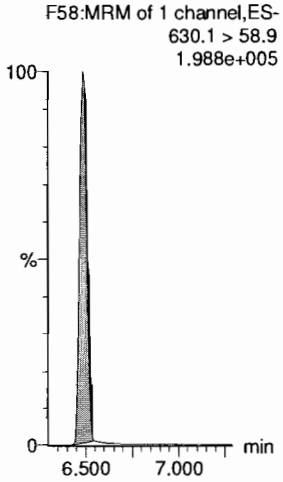
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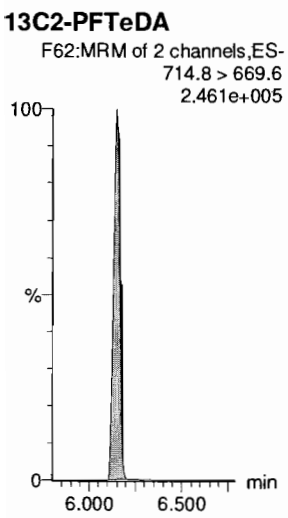
N-MeFOSE



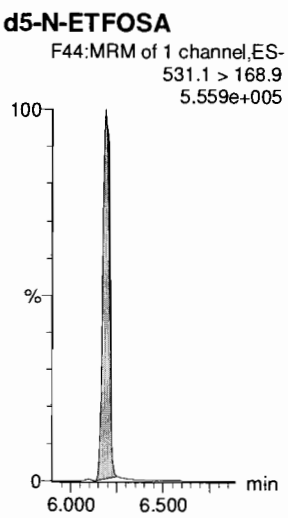
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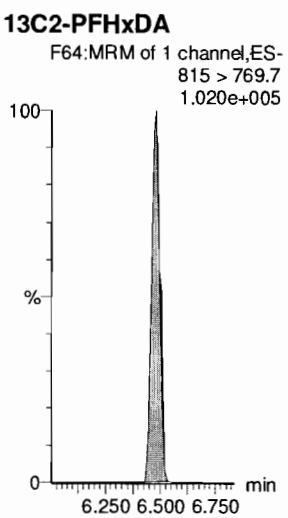
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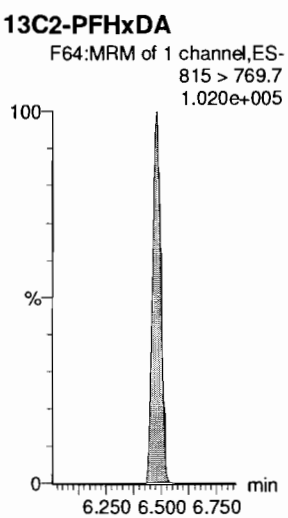
d5-N-ETFOSA



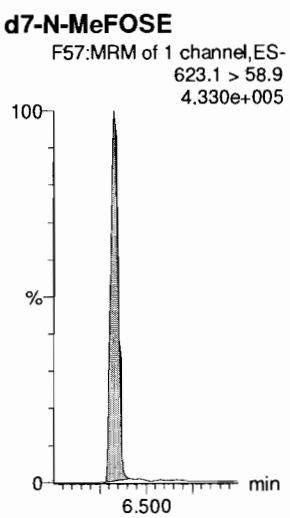
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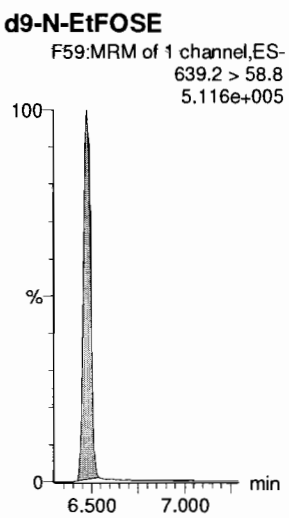
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d7-N-MeFOSE



d9-N-EtFOSE

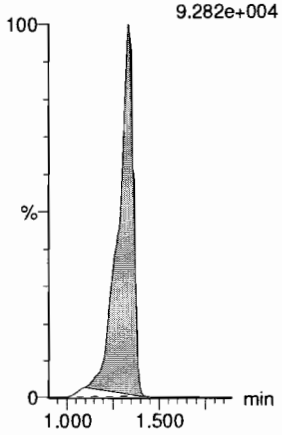


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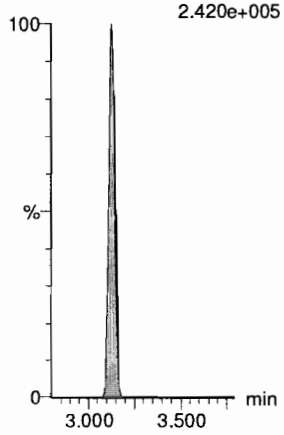
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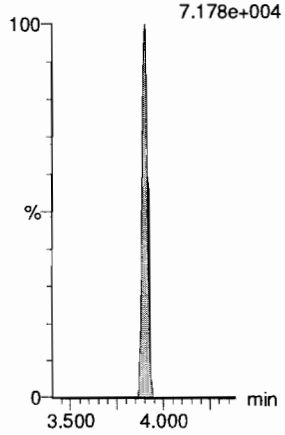
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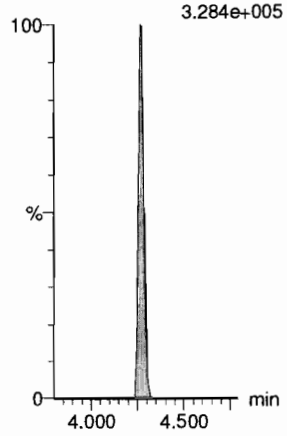
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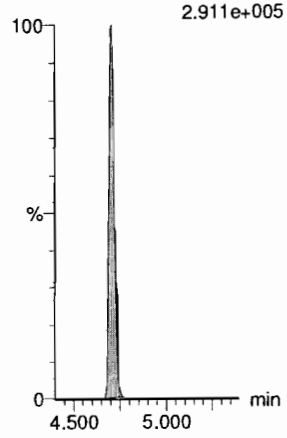
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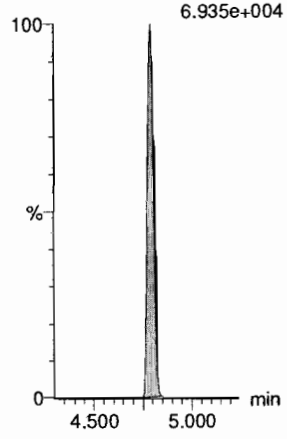
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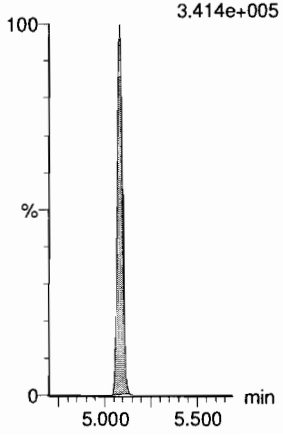
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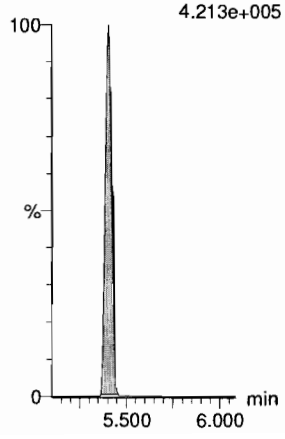
13C4-PFOS



13C6-PFDA



13C7-PFUdA

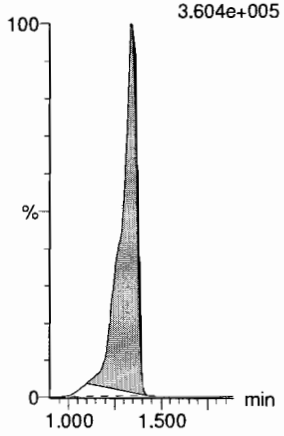


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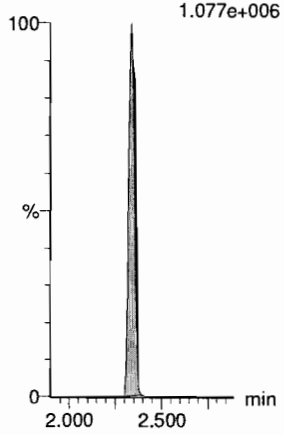
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Printed: Saturday, July 14, 2018 11:02:01 Pacific Daylight Time

Name: 180713M2_8, Date: 13-Jul-2018, Time: 17:35:19, ID: ST180713M2-7 PFC CS4 18G0510, Description: PFC CS4 18G0510

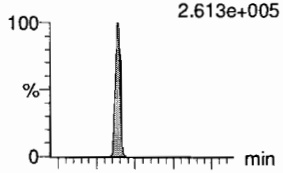
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
3.604e+005



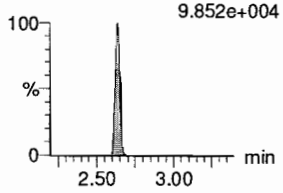
PFPeA
F5:MRM of 1 channel,ES-
263.1 > 218.9
1.077e+006



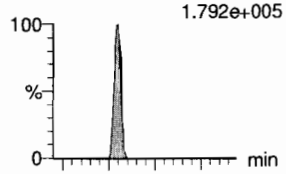
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
2.613e+005



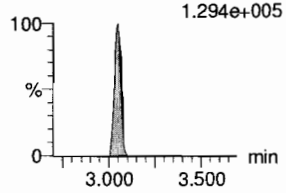
F7:MRM of 2 channels,ES-
299.0 > 99.0
9.852e+004



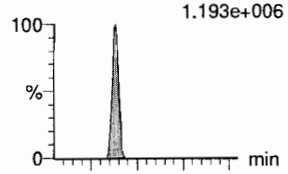
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
1.792e+005



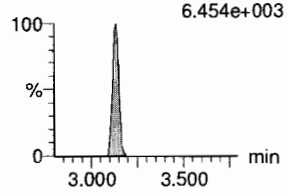
F12:MRM of 2 channels,ES-
327.2 > 81.1
1.294e+005



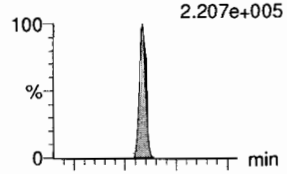
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
1.193e+006



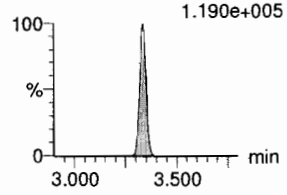
F9:MRM of 2 channels,ES-
313.2 > 119
6.454e+003



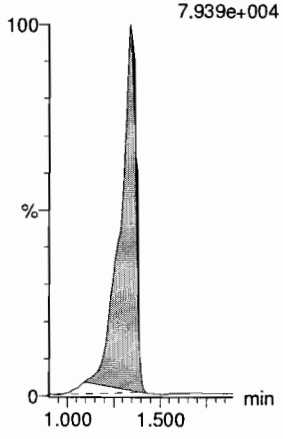
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
2.207e+005



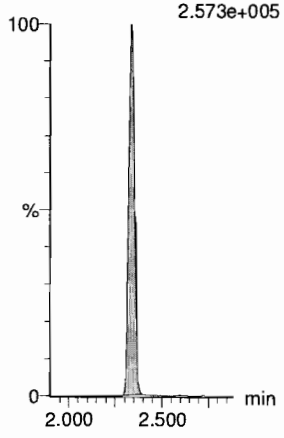
F15:MRM of 2 channels,ES-
349.1 > 99
1.190e+005



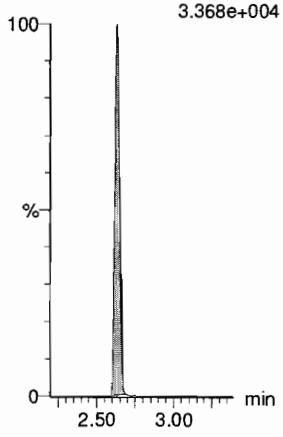
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
7.939e+004



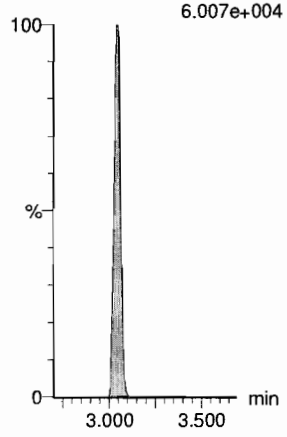
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
2.573e+005



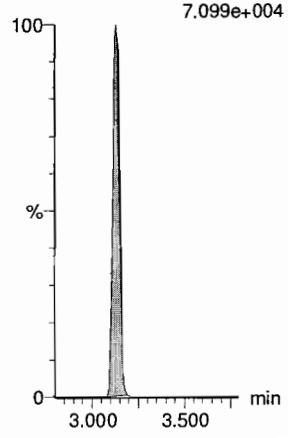
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.368e+004



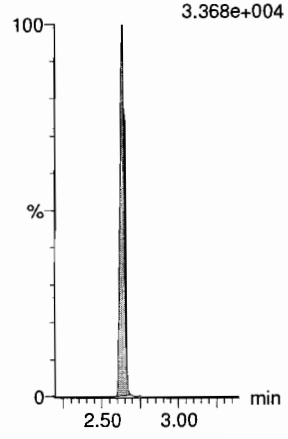
13C2-4:2 FTS
F13:MRM of 1 channel,ES-
329.2 > 308.9
6.007e+004



13C2-PFHxA
F10:MRM of 1 channel,ES-
315 > 269.8
7.099e+004



13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.368e+004

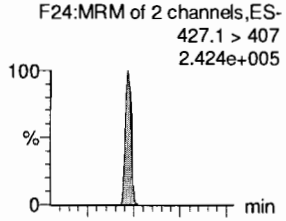


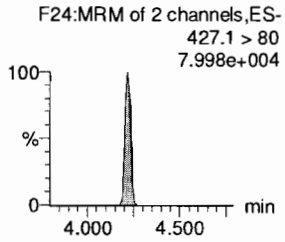
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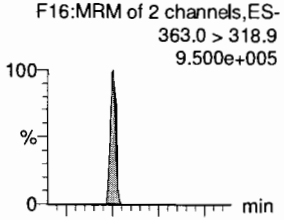
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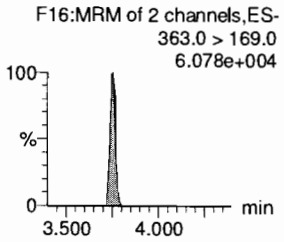
6:2 FTS



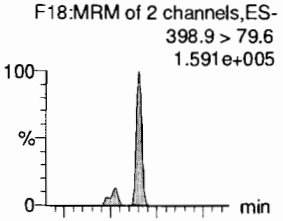


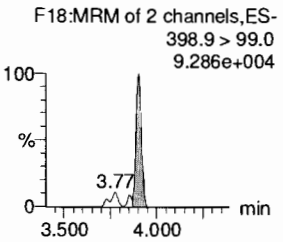
PFHpA



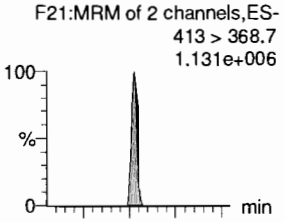


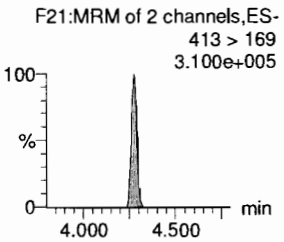
L-PFHxS



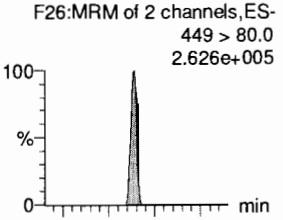


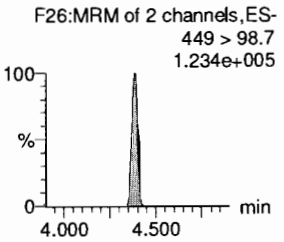
L-PFOA



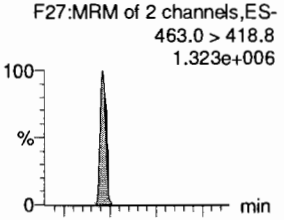


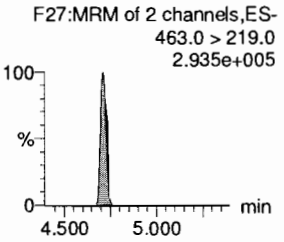
PFHpS



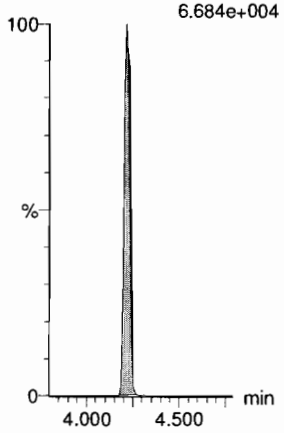


PFNA

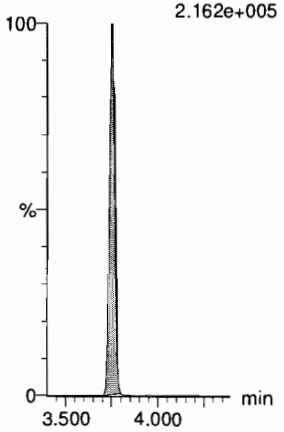




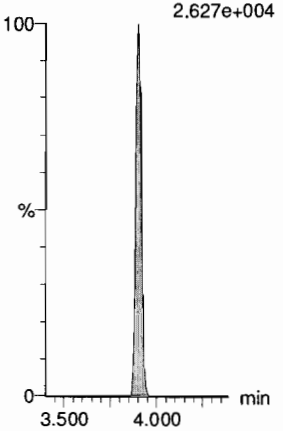
13C2-6:2 FTS



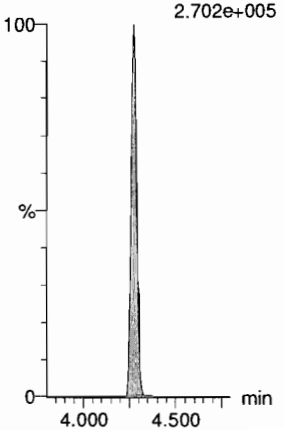
13C4-PFHpA



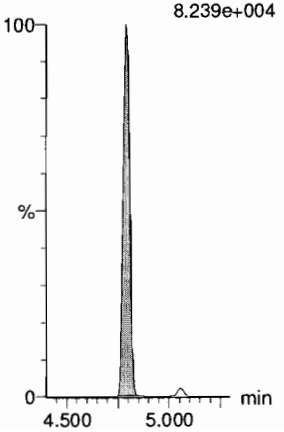
18O2-PFHxS



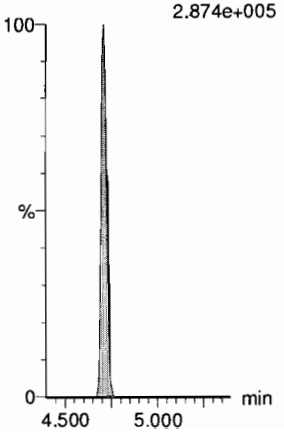
13C2-PFOA



13C8-PFOS



13C5-PFNA

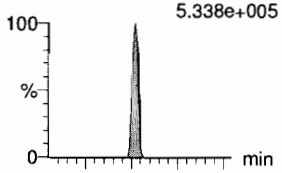


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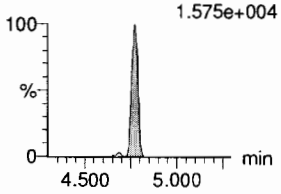
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Name: 180713M2_8, Date: 13-Jul-2018, Time: 17:35:19, ID: ST180713M2-7 PFC CS4 18G0510, Description: PFC CS4 18G0510

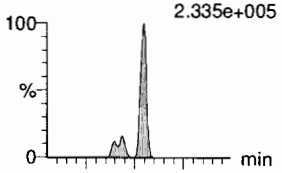
PFOSA
F30:MRM of 2 channels,ES-
498.2 > 77.9
5.338e+005



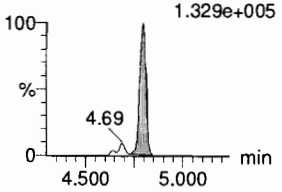
F30:MRM of 2 channels,ES-
498.2 > 169.1
1.575e+004



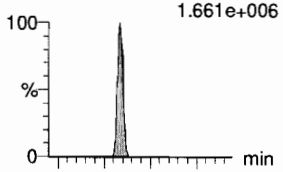
L-PFOS
F32:MRM of 2 channels,ES-
499.1 > 79.9
2.335e+005



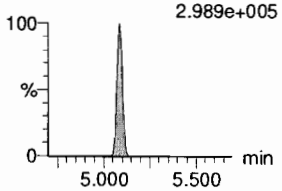
F32:MRM of 2 channels,ES-
499.1 > 98.9
1.329e+005



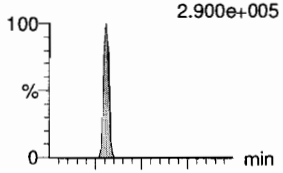
PFDA
F37:MRM of 2 channels,ES-
513 > 468.8
1.661e+006



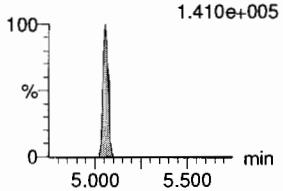
F37:MRM of 2 channels,ES-
513 > 219
2.989e+005



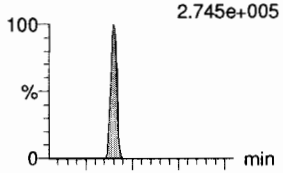
8:2 FTS
F42:MRM of 2 channels,ES-
527 > 506.9
2.900e+005



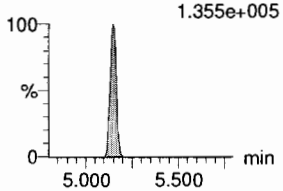
F42:MRM of 2 channels,ES-
527 > 80
1.410e+005



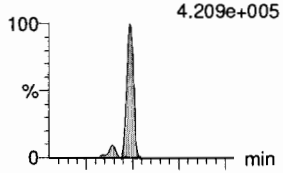
PFNS
F45:MRM of 2 channels,ES-
549.1 > 80.1
2.745e+005



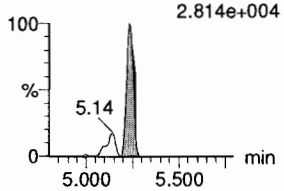
F45:MRM of 2 channels,ES-
549.1 > 99.1
1.355e+005



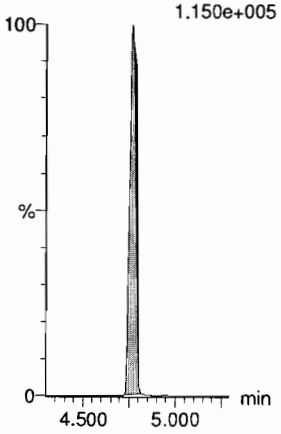
L-MeFOSAA
F48:MRM of 2 channels,ES-
570.1 > 419
4.209e+005



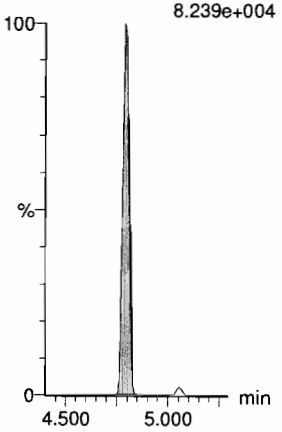
F48:MRM of 2 channels,ES-
570.1 > 483.0
2.814e+004



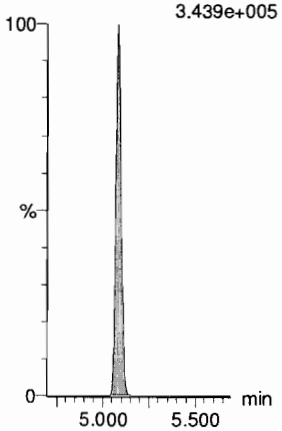
13C8-PFOSA
F34:MRM of 1 channel,ES-
506.1 > 77.7
1.150e+005



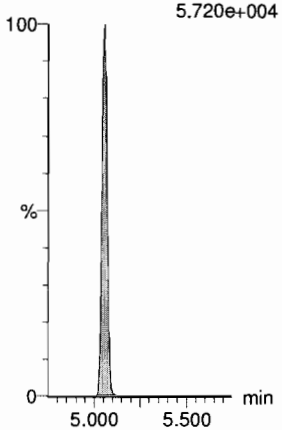
13C8-PFOS
F35:MRM of 1 channel,ES-
507.0 > 79.9
8.239e+004



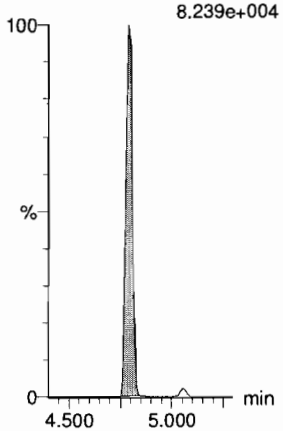
13C2-PFDA
F38:MRM of 1 channel,ES-
515.1 > 469.9
3.439e+005



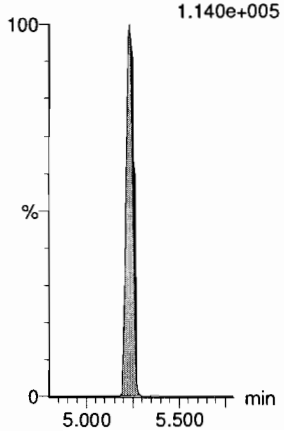
13C2-8:2 FTS
F43:MRM of 1 channel,ES-
529.1 > 508.7
5.720e+004



13C8-PFOS
F35:MRM of 1 channel,ES-
507.0 > 79.9
8.239e+004



d3-N-MeFOSAA
F50:MRM of 1 channel,ES-
573.3 > 419
1.140e+005

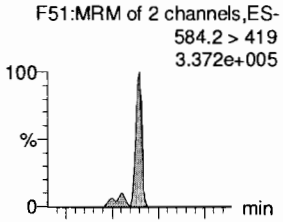


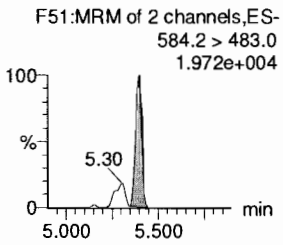
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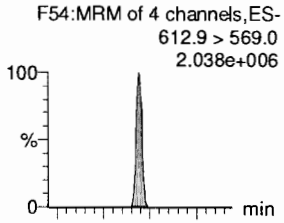
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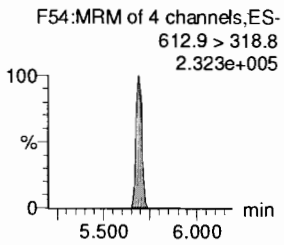
L-EtFOSAA



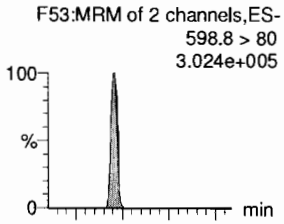


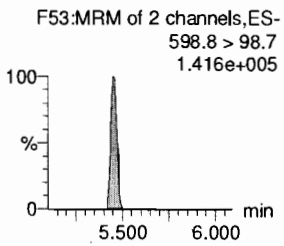
PFDoA



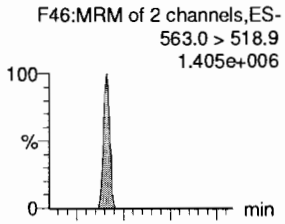


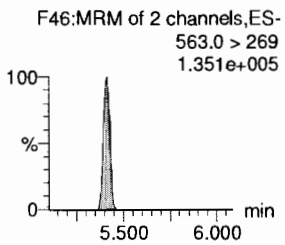
PFDS



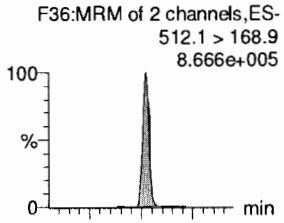


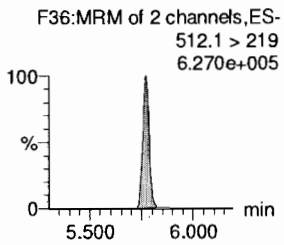
PFUdA



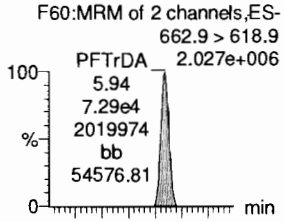


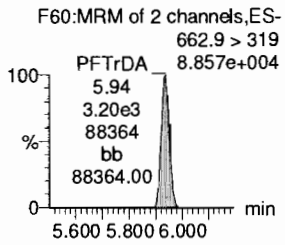
N-MeFOSA



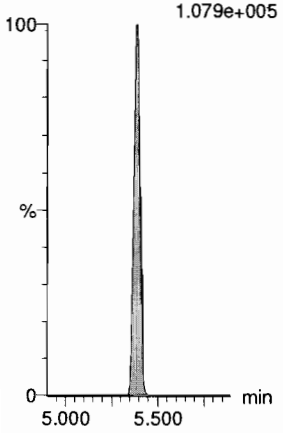


PFTrDA

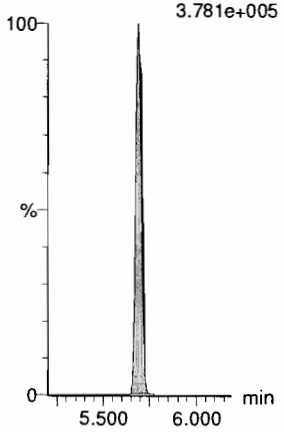




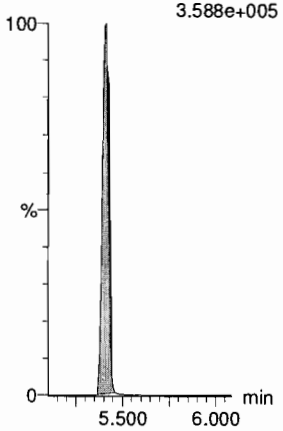
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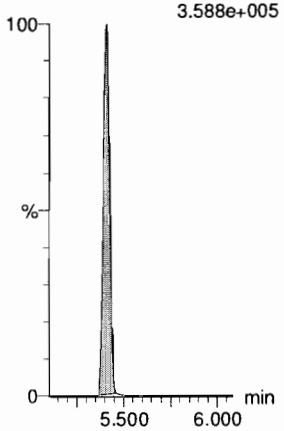
13C2-PFDoA



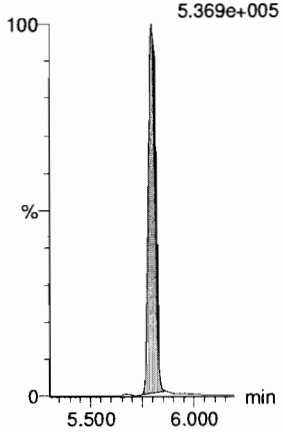
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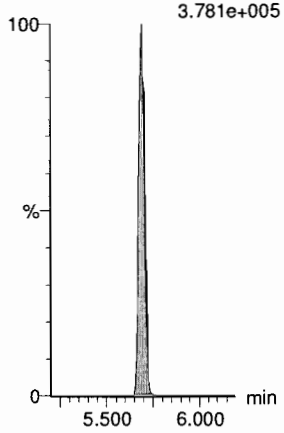
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

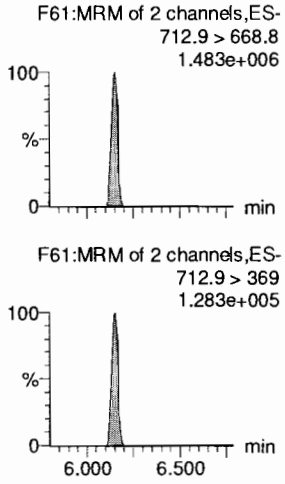


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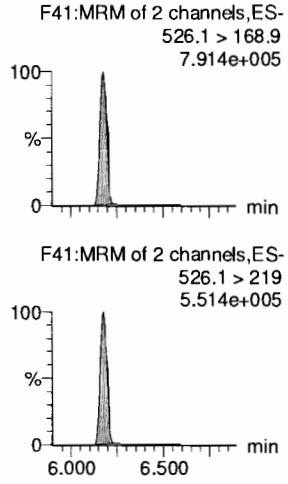
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Name: 180713M2_8, Date: 13-Jul-2018, Time: 17:35:19, ID: ST180713M2-7 PFC CS4 18G0510, Description: PFC CS4 18G0510

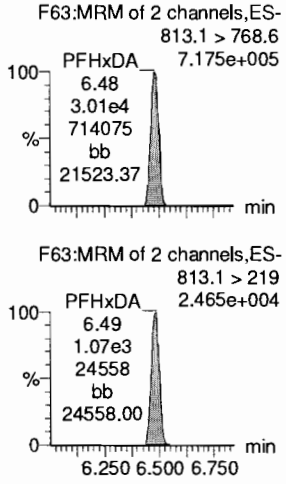
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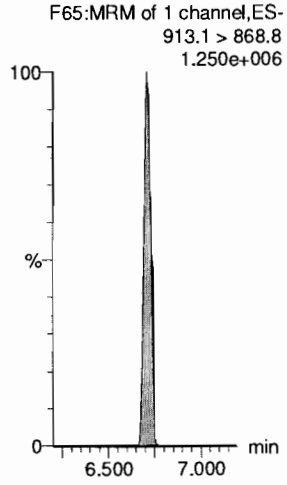
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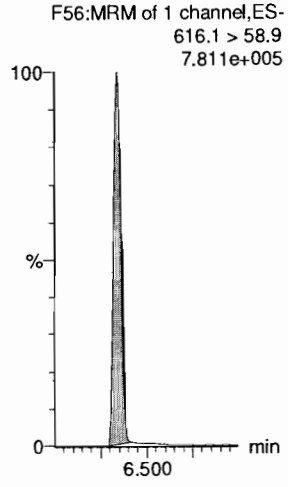
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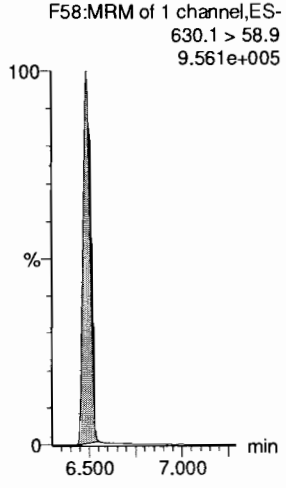
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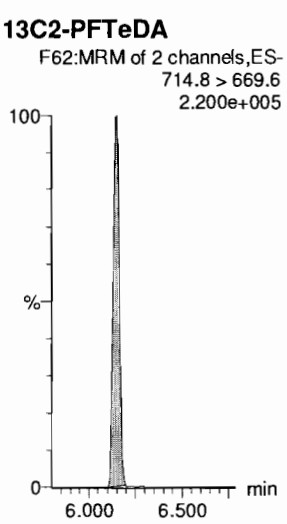
N-MeFOSE



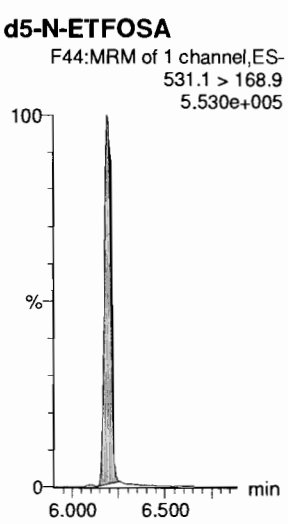
N-EtFOSE



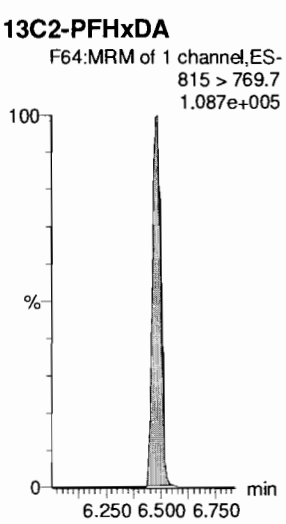
13C2-PFTeDA



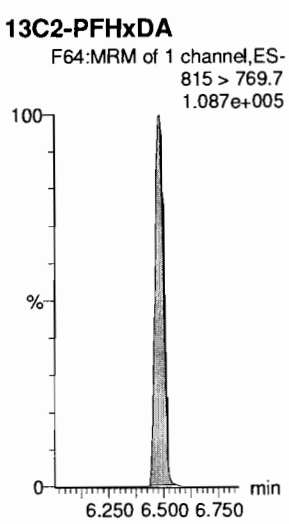
d5-N-ETFOSA



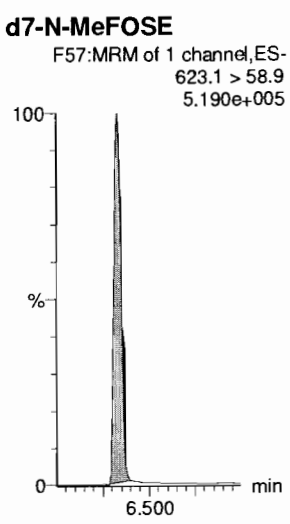
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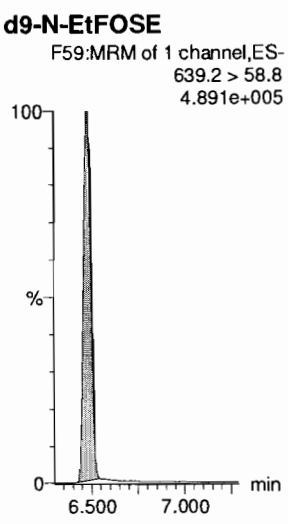
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

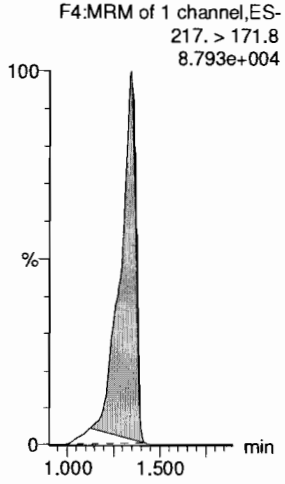


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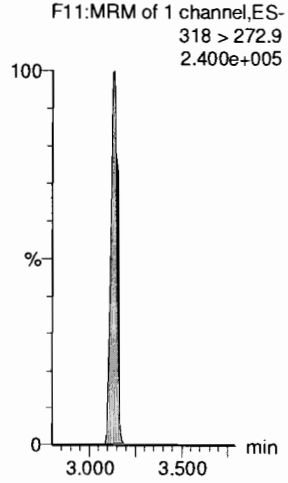
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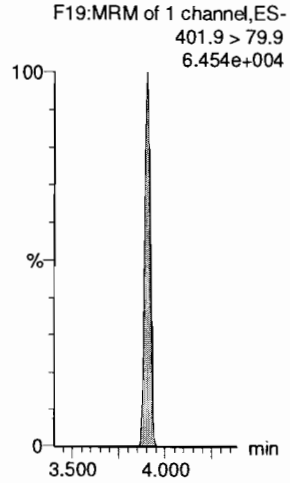
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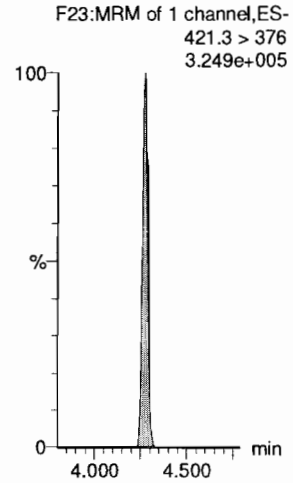
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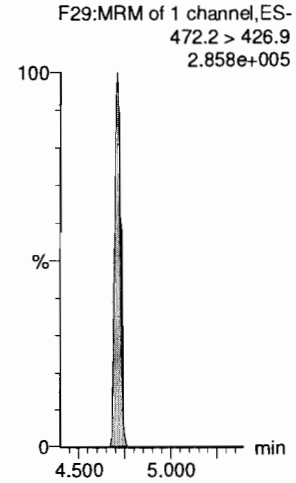
13C3-PFHxS



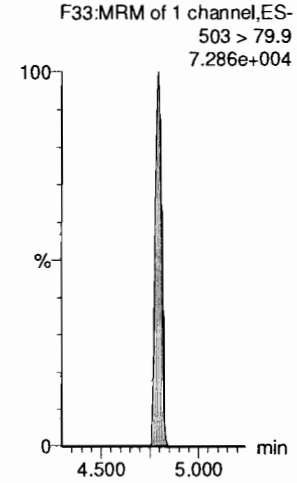
13C8-PFOA



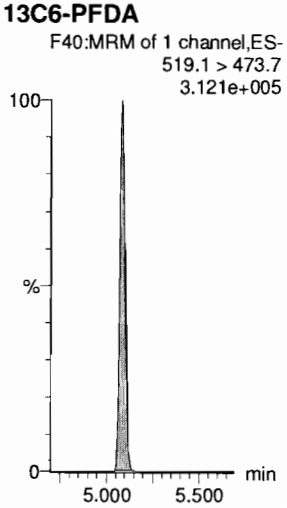
13C9-PFNA



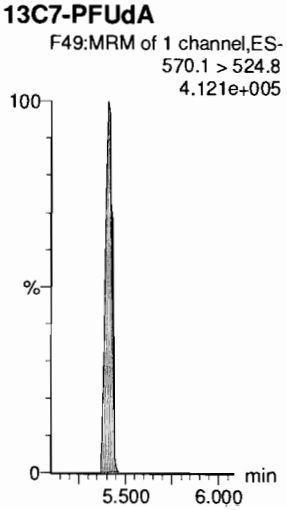
13C4-PFOS



13C6-PFDA



13C7-PFUdA

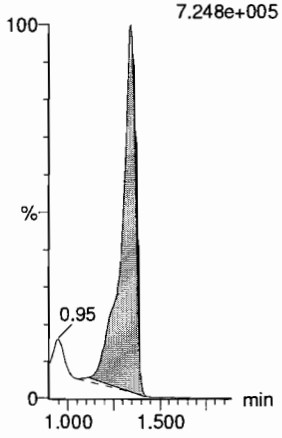


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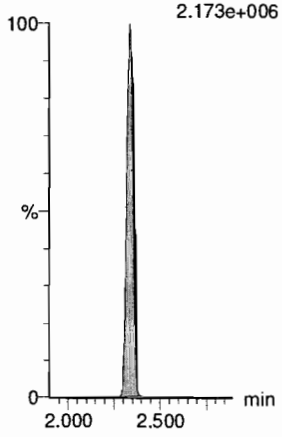
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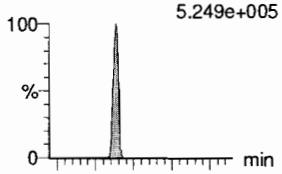
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
7.248e+005



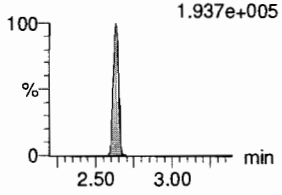
PFPeA
F5:MRM of 1 channel,ES-
263.1 > 218.9
2.173e+006



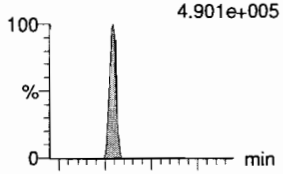
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
5.249e+005



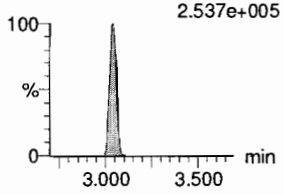
F7:MRM of 2 channels,ES-
299.0 > 99.0
1.937e+005



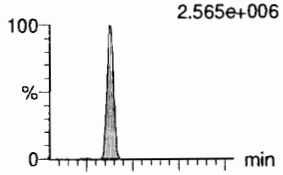
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
4.901e+005



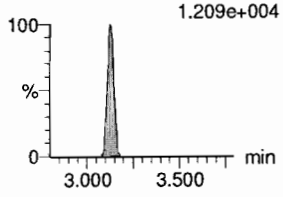
F12:MRM of 2 channels,ES-
327.2 > 81.1
2.537e+005



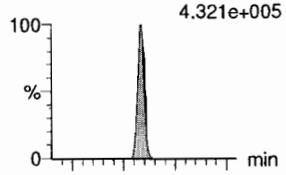
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
2.565e+006



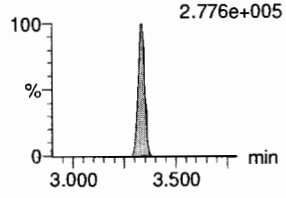
F9:MRM of 2 channels,ES-
313.2 > 119
1.209e+004



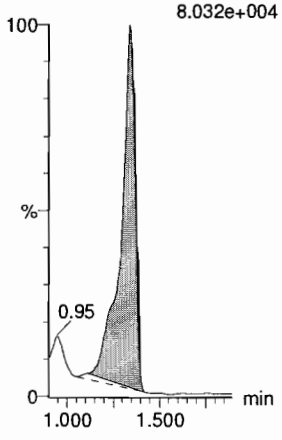
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
4.321e+005



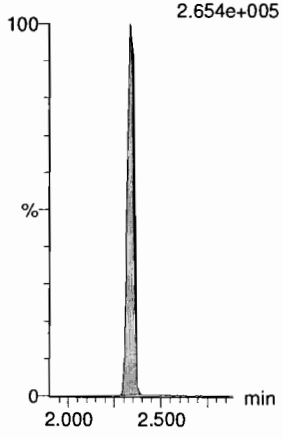
F15:MRM of 2 channels,ES-
349.1 > 99
2.776e+005



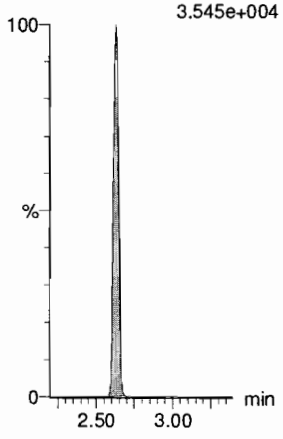
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
8.032e+004



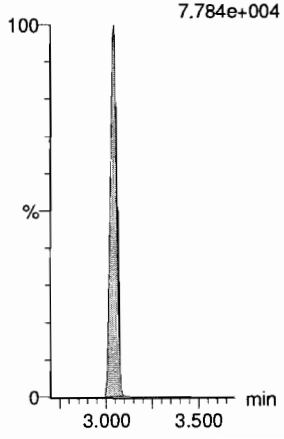
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
2.654e+005



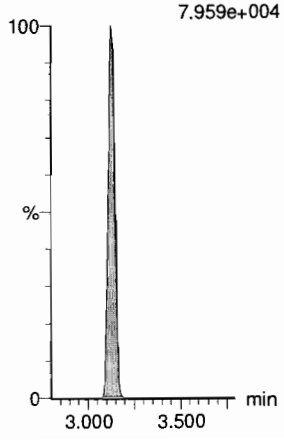
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.545e+004



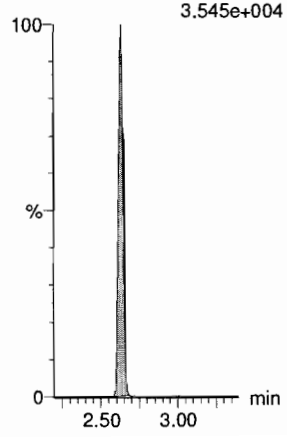
13C2-4:2 FTS
F13:MRM of 1 channel,ES-
329.2 > 308.9
7.784e+004



13C2-PFHxA
F10:MRM of 1 channel,ES-
315 > 269.8
7.959e+004



13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.545e+004

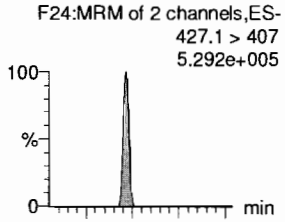


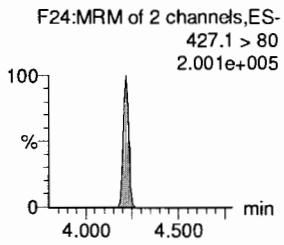
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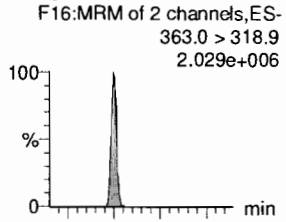
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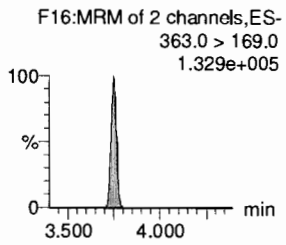
6:2 FTS



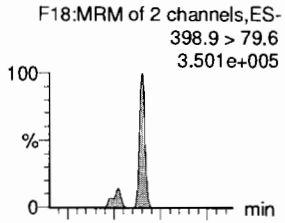


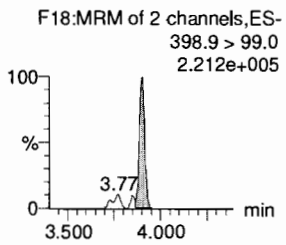
PFHpA



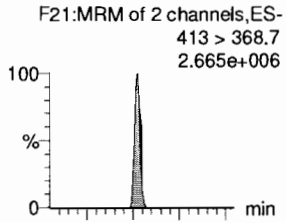


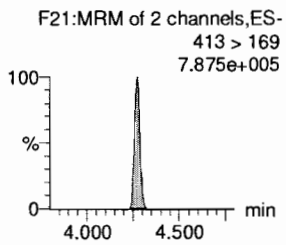
L-PFHxS



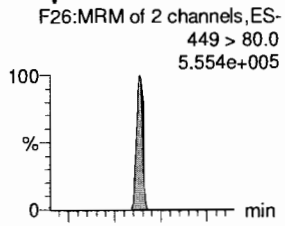


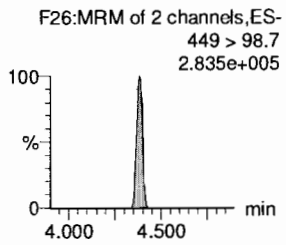
L-PFOA



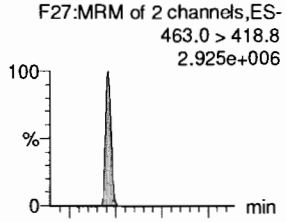


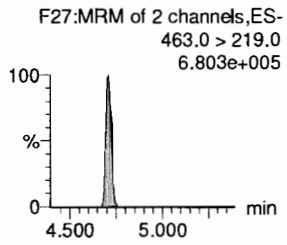
PFHpS



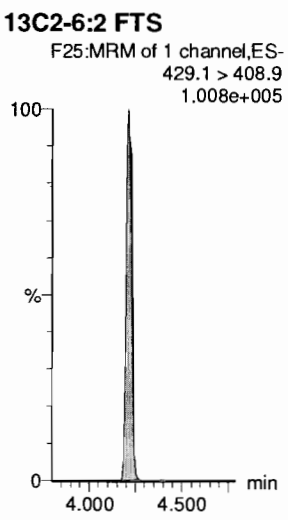


PFNA

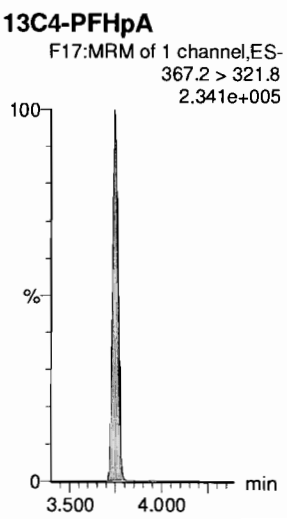




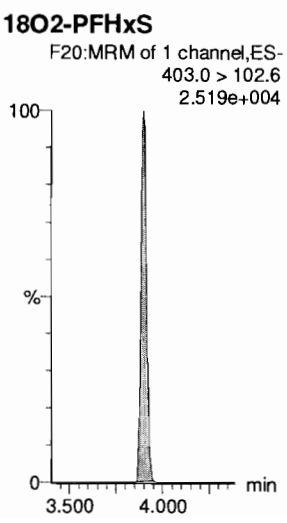
13C2-6:2 FTS



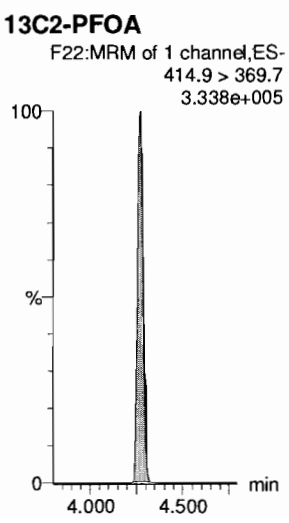
13C4-PFHpA



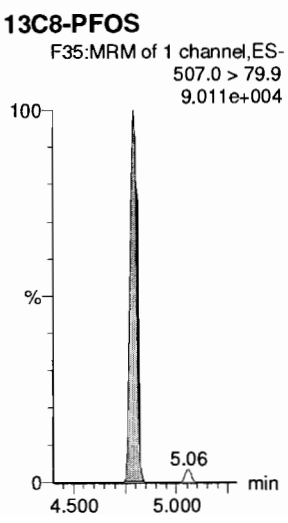
18O2-PFHxS



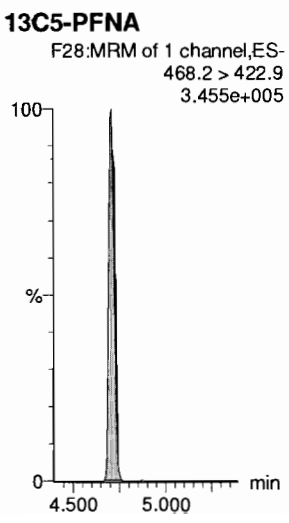
13C2-PFOA



13C8-PFOS



13C5-PFNA

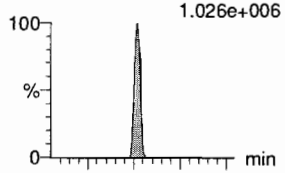


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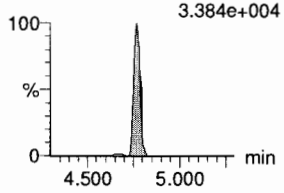
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Name: 180713M2_9, Date: 13-Jul-2018, Time: 17:45:50, ID: ST180713M2-8 PFC CS5 18G0511, Description: PFC CS5 18G0511

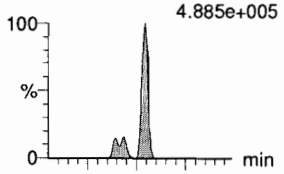
PFOSA
F30:MRM of 2 channels,ES-
498.2 > 77.9
1.026e+006



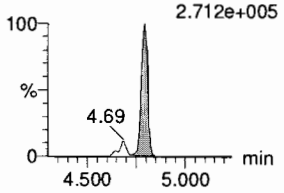
F30:MRM of 2 channels,ES-
498.2 > 169.1
3.384e+004



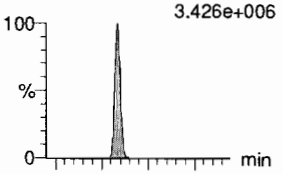
L-PFOS
F32:MRM of 2 channels,ES-
499.1 > 79.9
4.885e+005



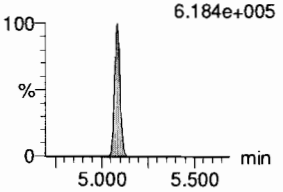
F32:MRM of 2 channels,ES-
499.1 > 98.9
2.712e+005



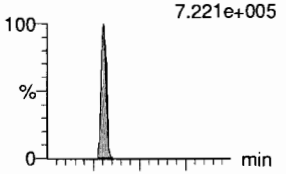
PFDA
F37:MRM of 2 channels,ES-
513 > 468.8
3.426e+006



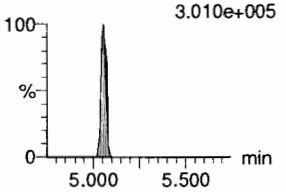
F37:MRM of 2 channels,ES-
513 > 219
6.184e+005



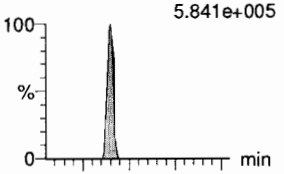
8:2 FTS
F42:MRM of 2 channels,ES-
527 > 506.9
7.221e+005



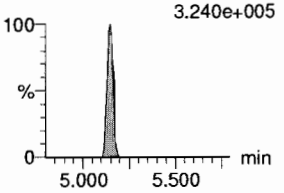
F42:MRM of 2 channels,ES-
527 > 80
3.010e+005



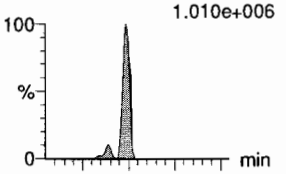
PFNS
F45:MRM of 2 channels,ES-
549.1 > 80.1
5.841e+005



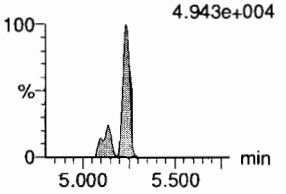
F45:MRM of 2 channels,ES-
549.1 > 99.1
3.240e+005



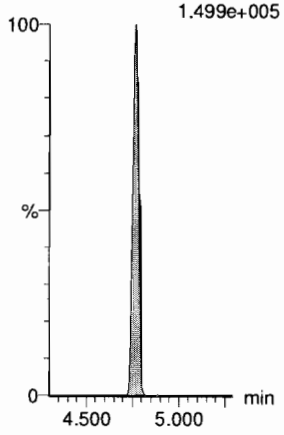
L-MeFOSAA
F48:MRM of 2 channels,ES-
570.1 > 419
1.010e+006



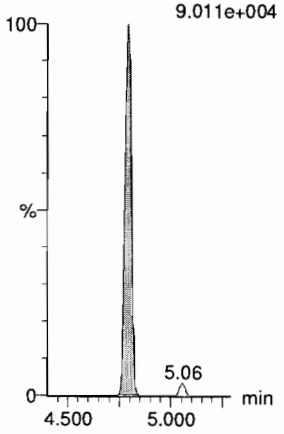
F48:MRM of 2 channels,ES-
570.1 > 483.0
4.943e+004



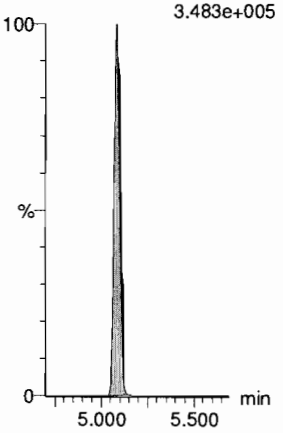
13C8-PFOSA
F34:MRM of 1 channel,ES-
506.1 > 77.7
1.499e+005



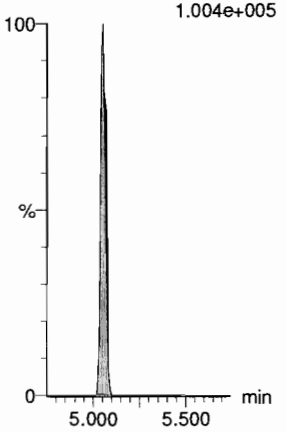
13C8-PFOS
F35:MRM of 1 channel,ES-
507.0 > 79.9
9.011e+004



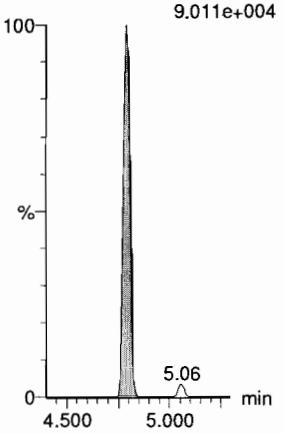
13C2-PFDA
F38:MRM of 1 channel,ES-
515.1 > 469.9
3.483e+005



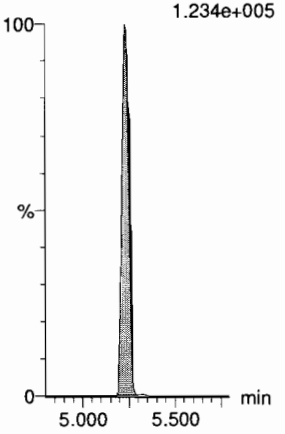
13C2-8:2 FTS
F43:MRM of 1 channel,ES-
529.1 > 508.7
1.004e+005



13C8-PFOS
F35:MRM of 1 channel,ES-
507.0 > 79.9
9.011e+004



d3-N-MeFOSAA
F50:MRM of 1 channel,ES-
573.3 > 419
1.234e+005

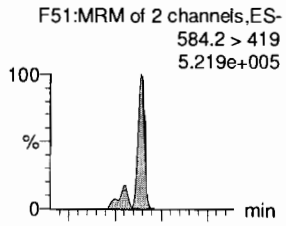


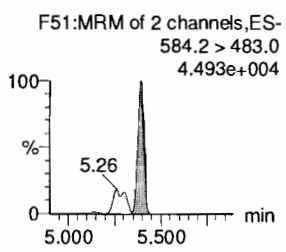
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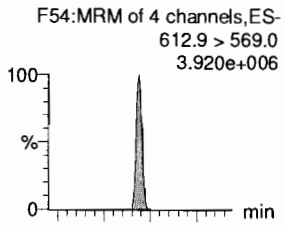
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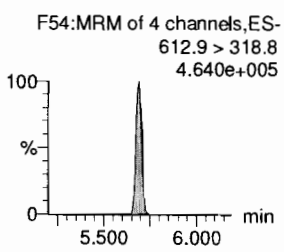
L-EtFOSAA



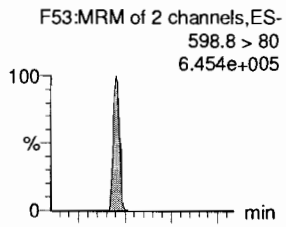


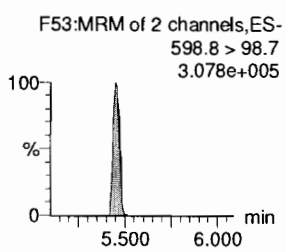
PFDoA



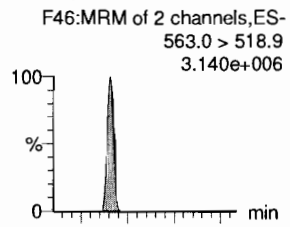


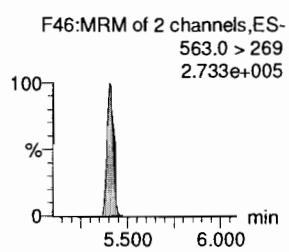
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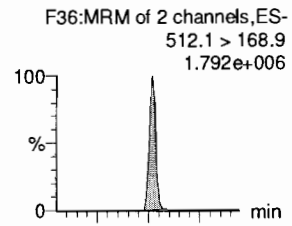


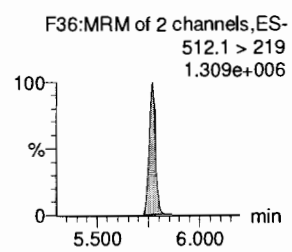
PFUdA



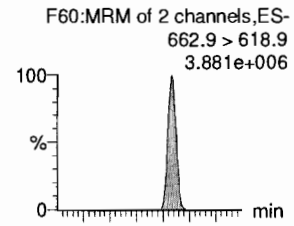


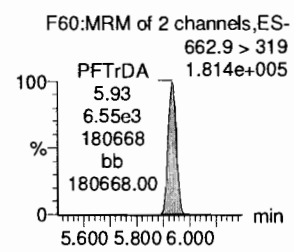
N-MeFOSA



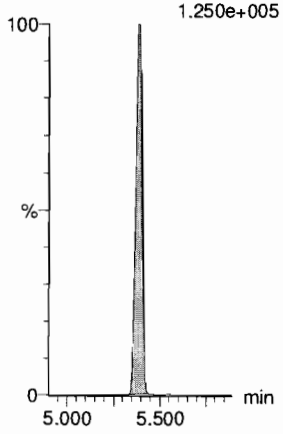


PFTrDA

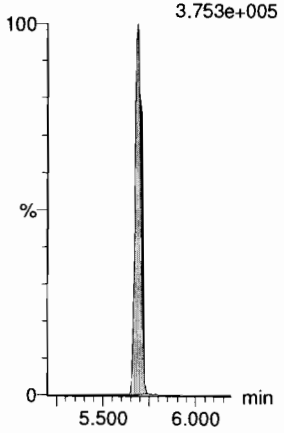




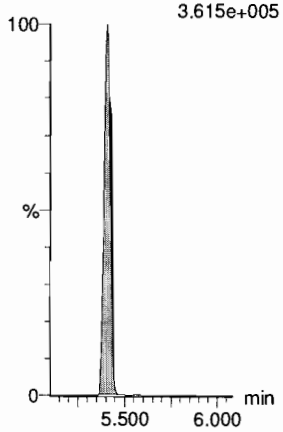
d5-N-EtFOSAA



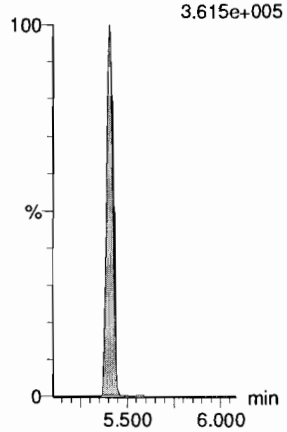
13C2-PFDoA



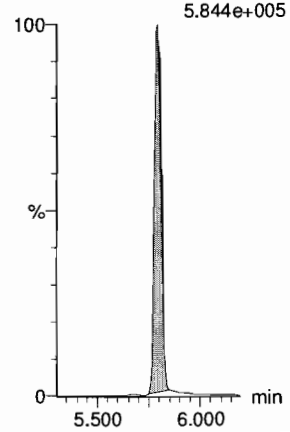
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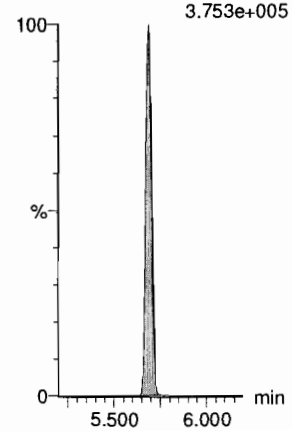
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

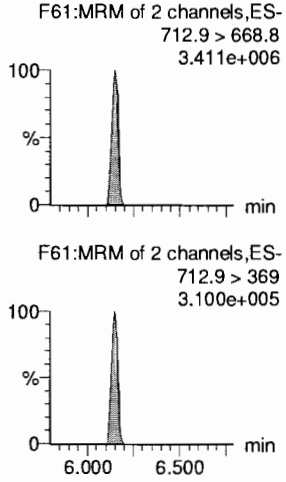


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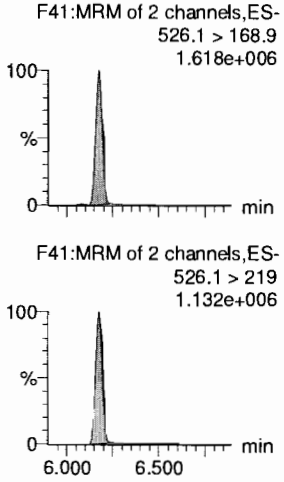
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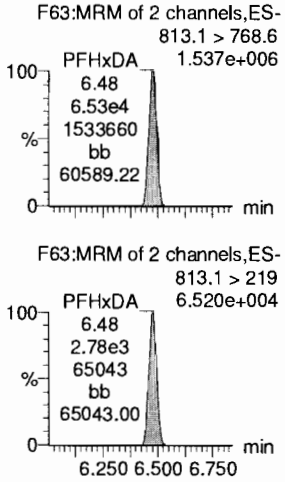
PFTeDA



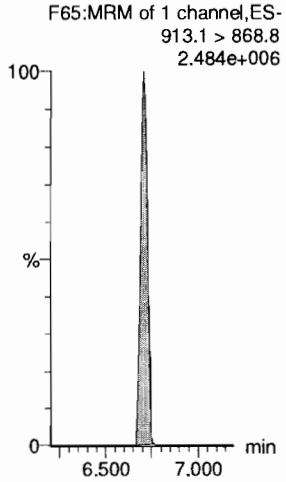
N-EtFOSA



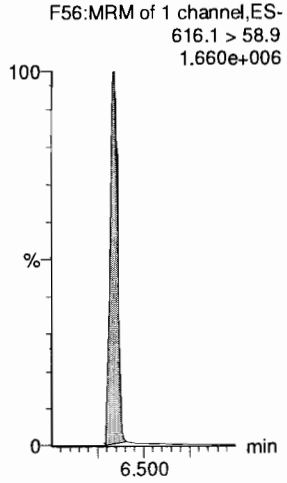
PFHxDA



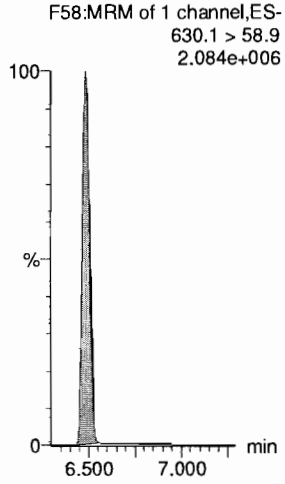
PFODA



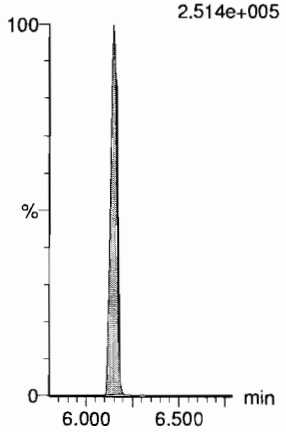
N-MeFOSE



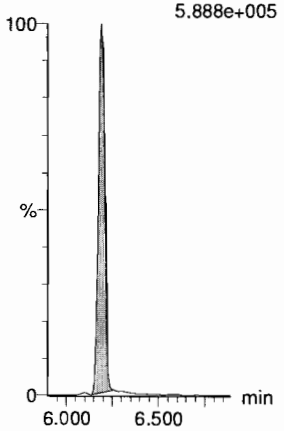
N-EtFOSE



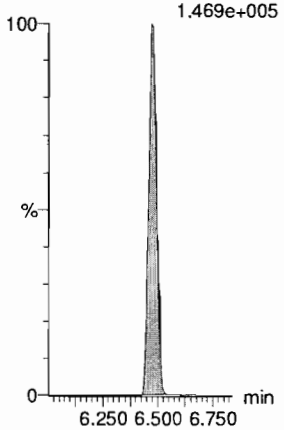
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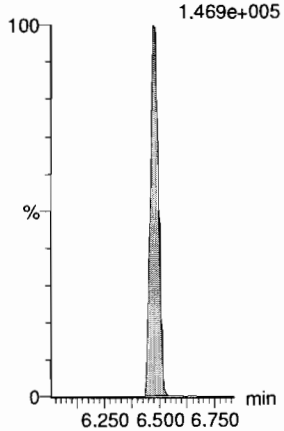
d5-N-ETFOSA



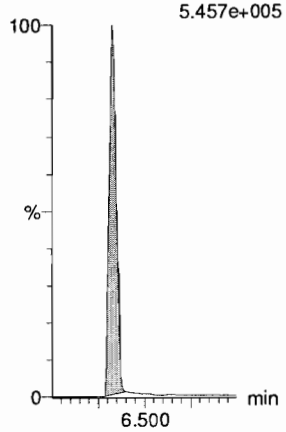
13C2-PFHxDA



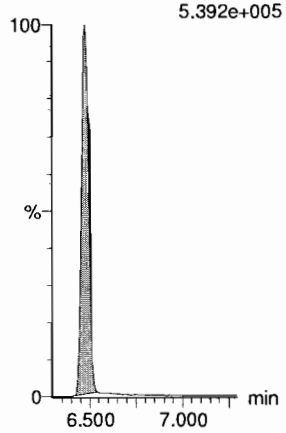
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d7-N-MeFOSE



d9-N-EtFOSE

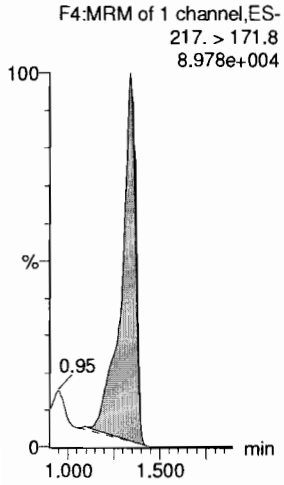


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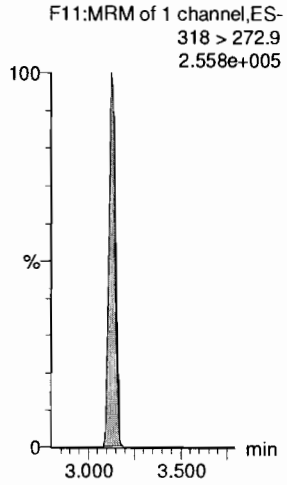
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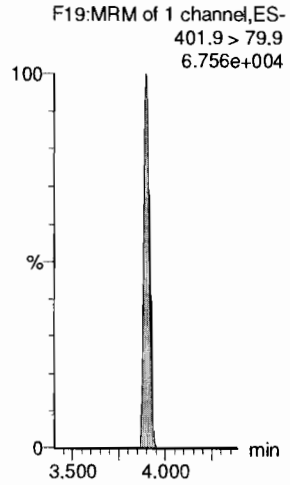
13C4-PFBA



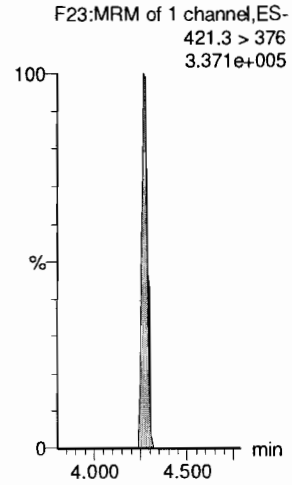
13C5-PFHxA



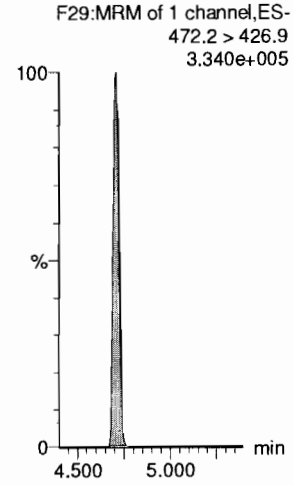
13C3-PFHxS



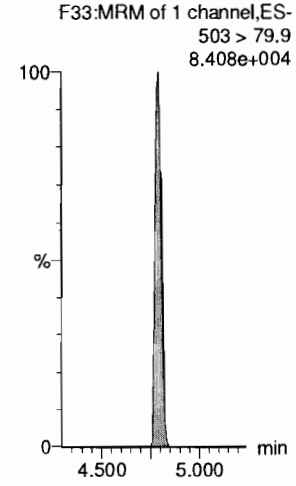
13C8-PFOA



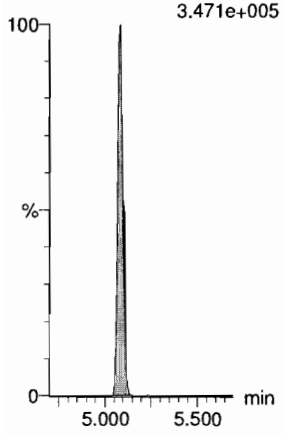
13C9-PFNA



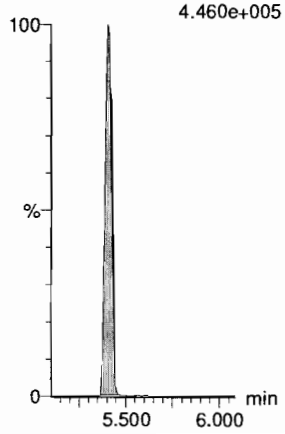
13C4-PFOS



13C6-PFDA



13C7-PFUdA

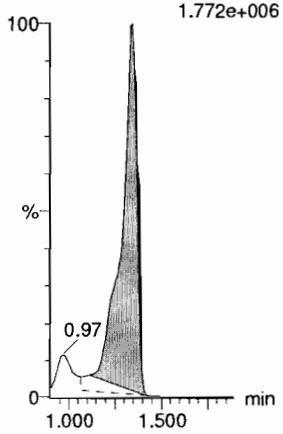


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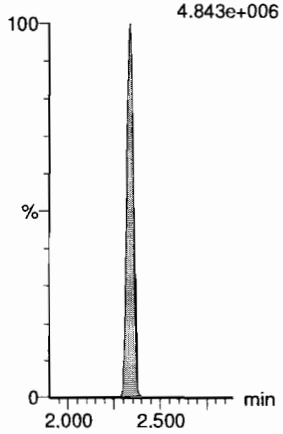
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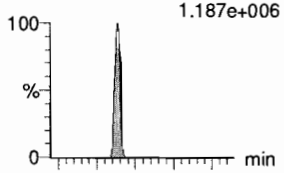
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
1.772e+006



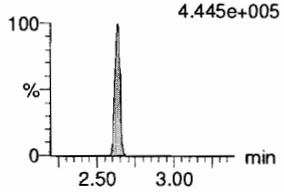
PFPeA
F5:MRM of 1 channel,ES-
263.1 > 218.9
4.843e+006



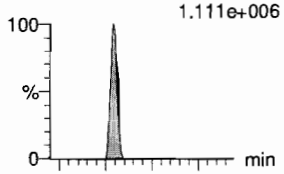
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
1.187e+006



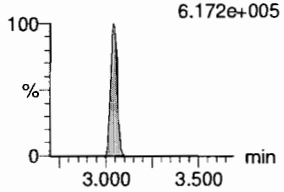
F7:MRM of 2 channels,ES-
299.0 > 99.0
4.445e+005



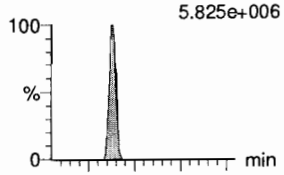
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
1.111e+006



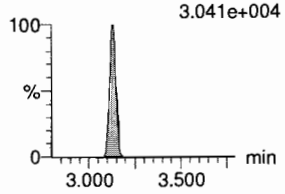
F12:MRM of 2 channels,ES-
327.2 > 81.1
6.172e+005



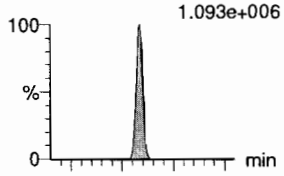
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
5.825e+006



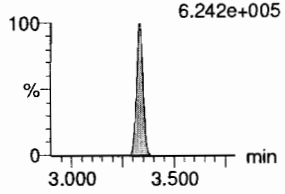
F9:MRM of 2 channels,ES-
313.2 > 119
3.041e+004



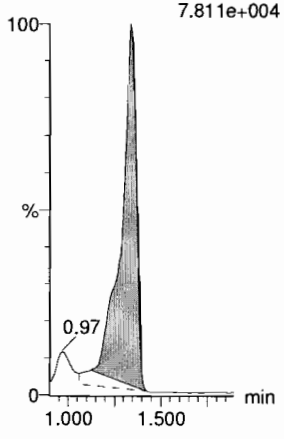
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
1.093e+006



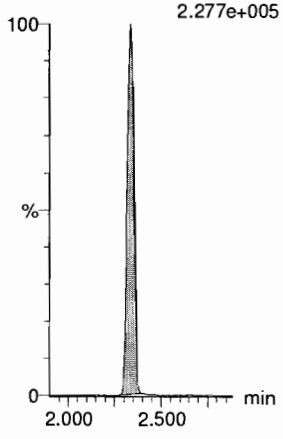
F15:MRM of 2 channels,ES-
349.1 > 99
6.242e+005



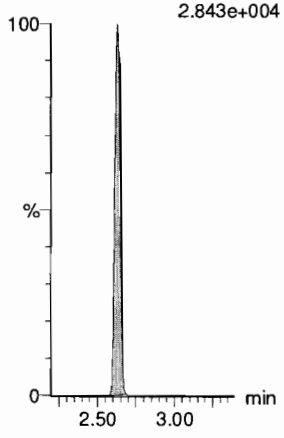
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
7.811e+004



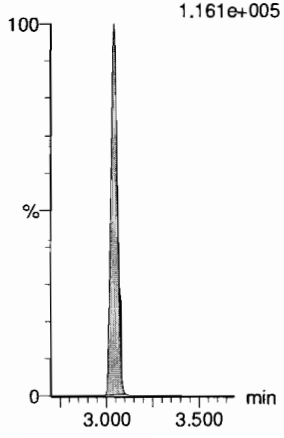
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
2.277e+005



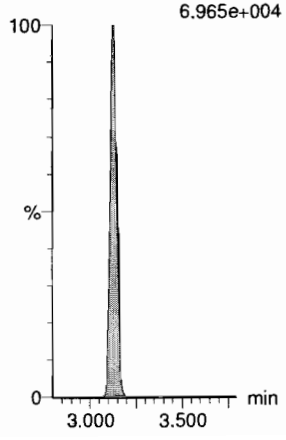
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
2.843e+004



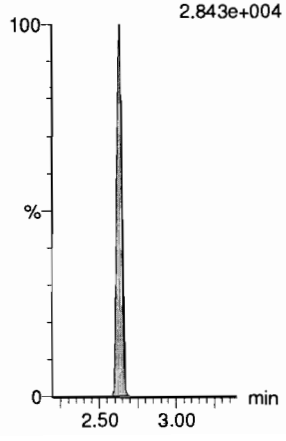
13C2-4:2 FTS
F13:MRM of 1 channel,ES-
329.2 > 308.9
1.161e+005



13C2-PFHxA
F10:MRM of 1 channel,ES-
315 > 269.8
6.965e+004



13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
2.843e+004

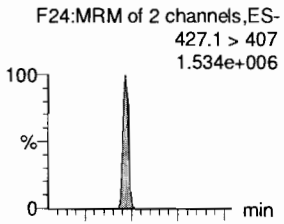


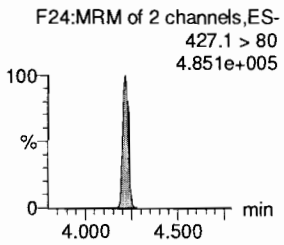
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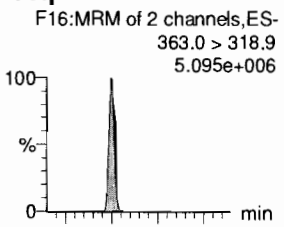
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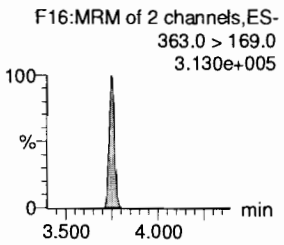
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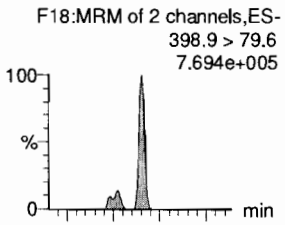


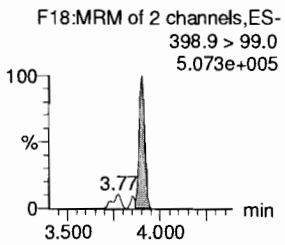
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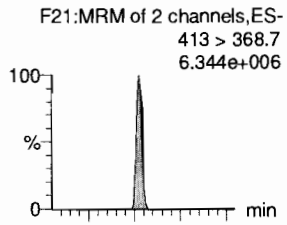


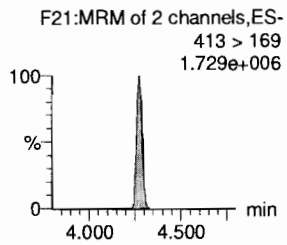
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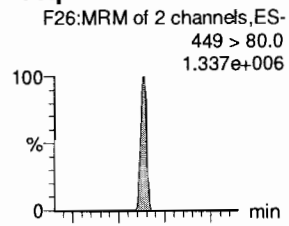


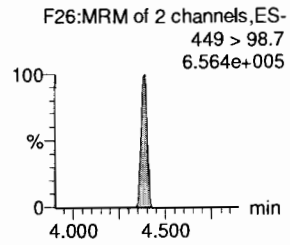
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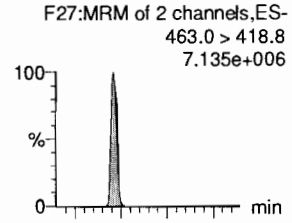


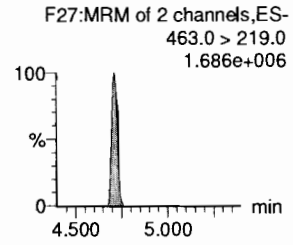
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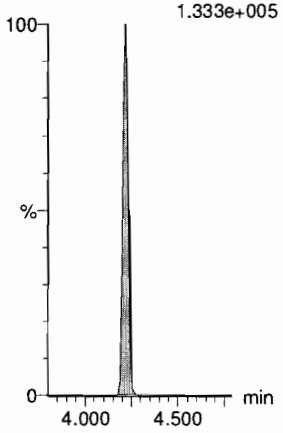


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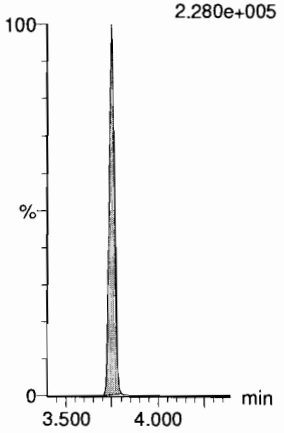




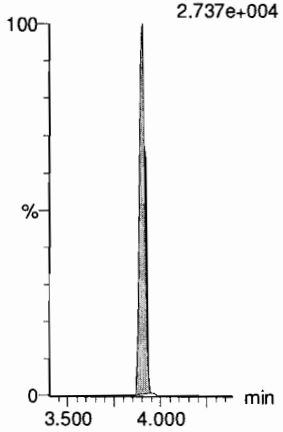
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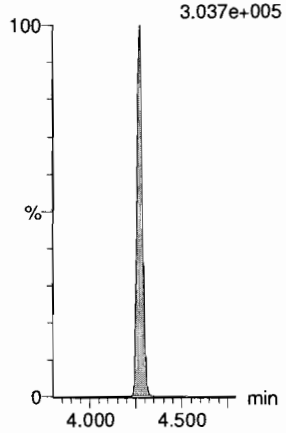
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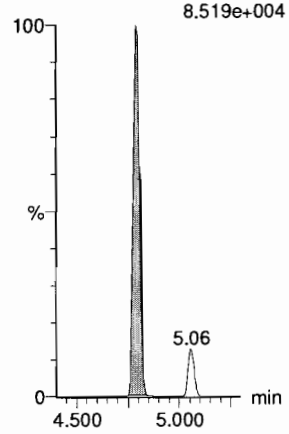
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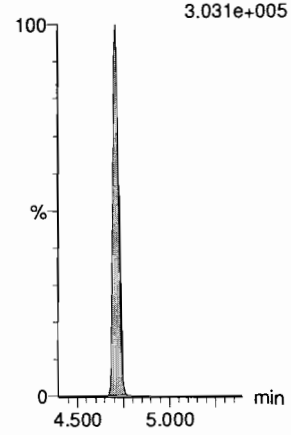
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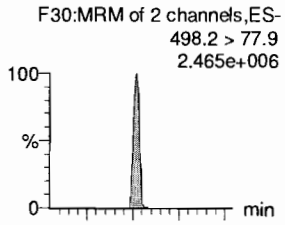


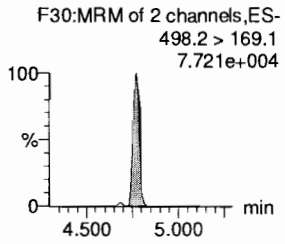
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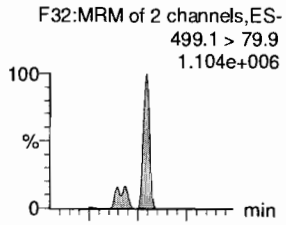
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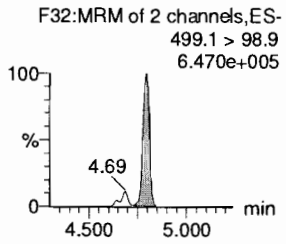
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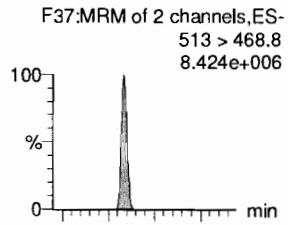


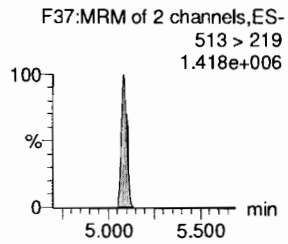
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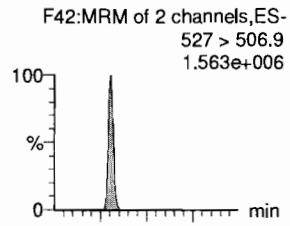


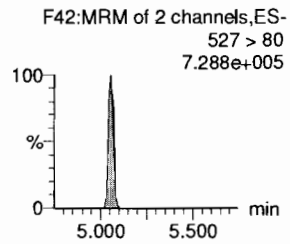
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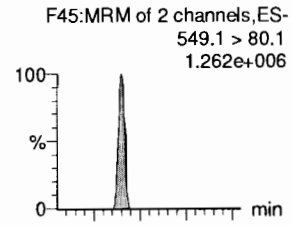


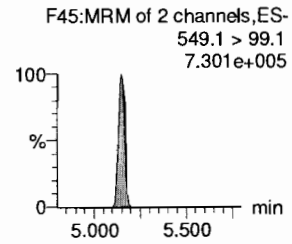
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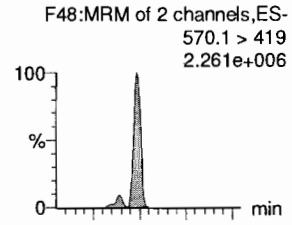


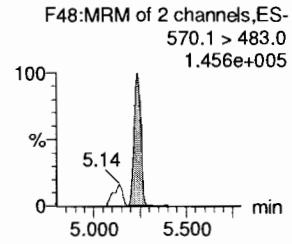
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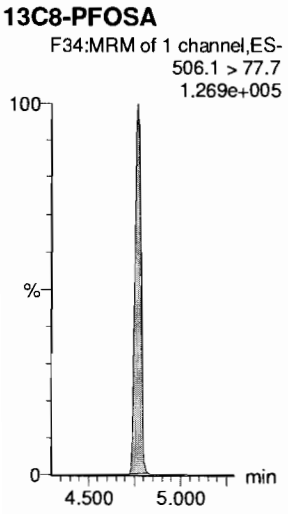


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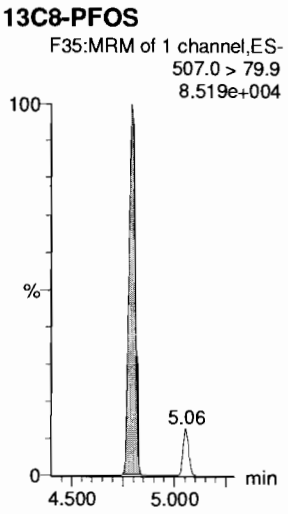




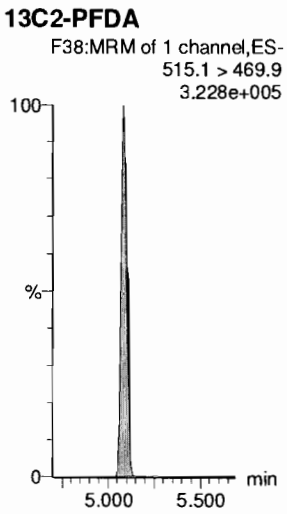
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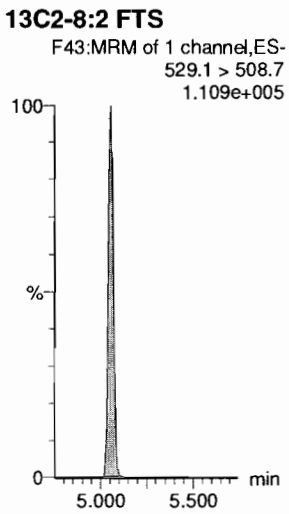
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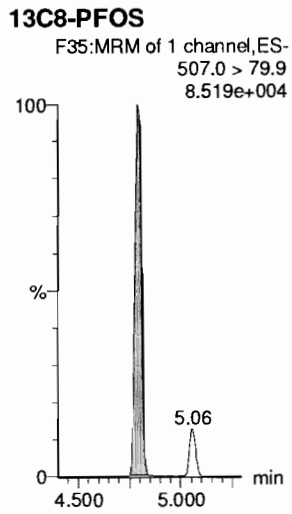
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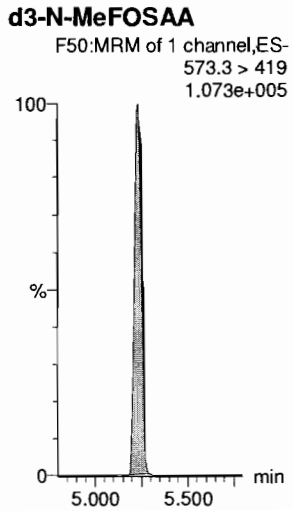
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13C8-PFOS



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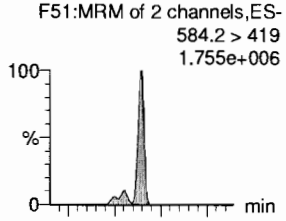


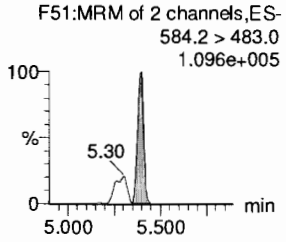
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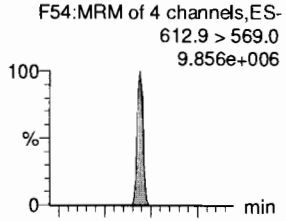
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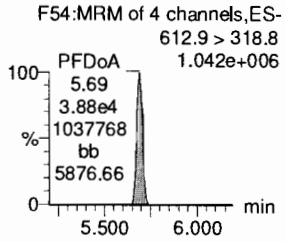
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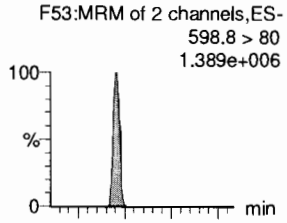


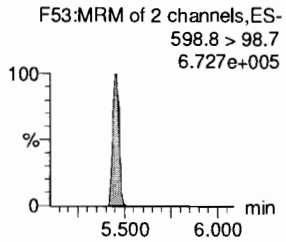
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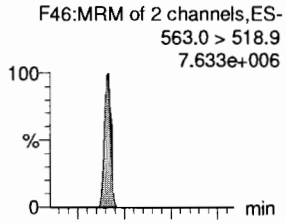


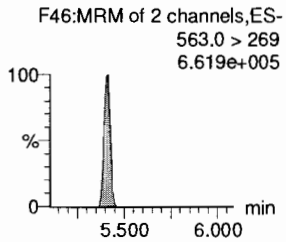
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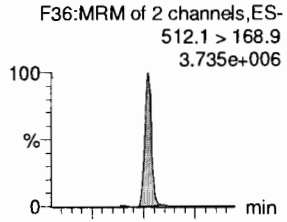


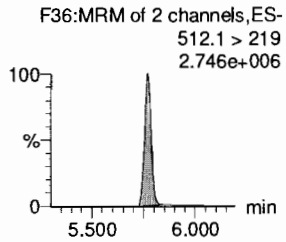
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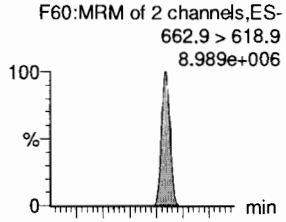


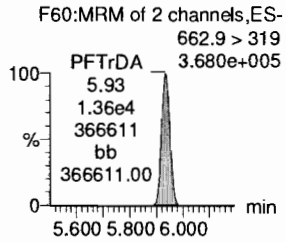
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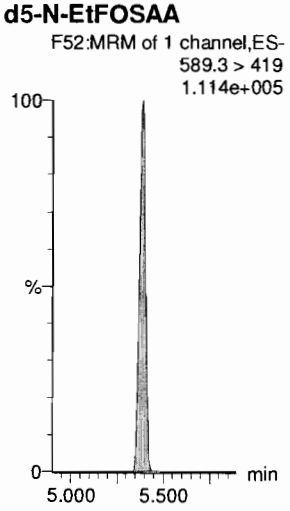


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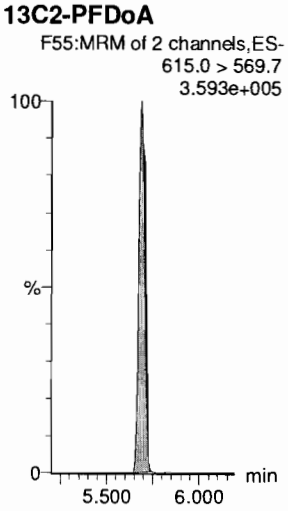




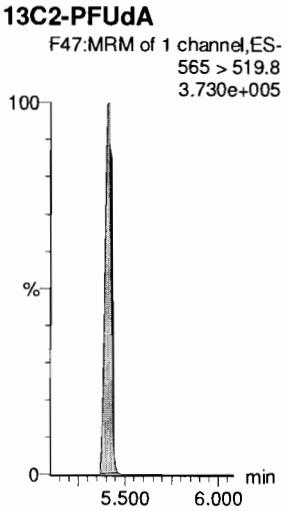
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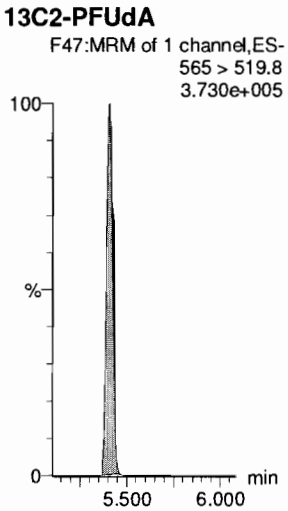
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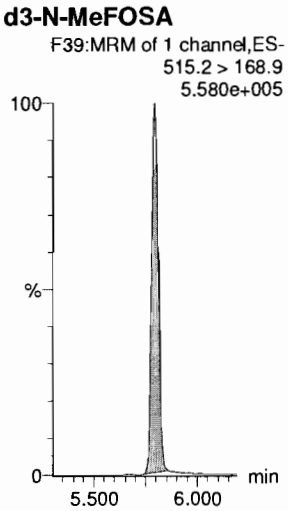
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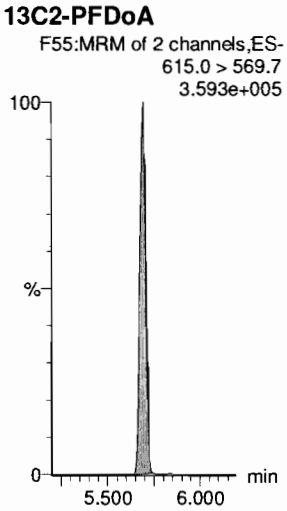
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13C2-PFDoA

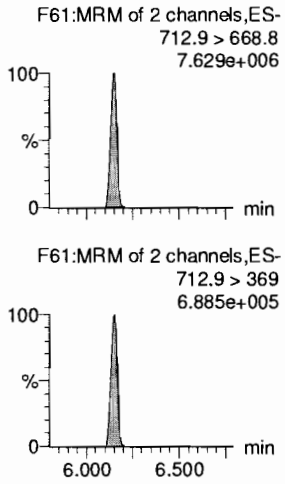


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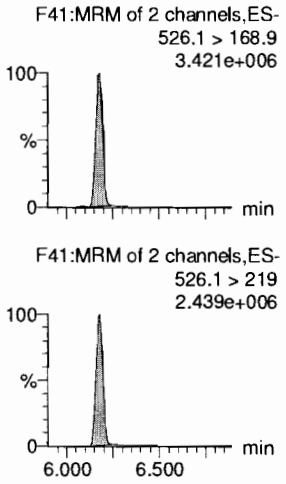
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Name: 180713M2_10, Date: 13-Jul-2018, Time: 17:56:15, ID: ST180713M2-9 PFC CS6 18G0512, Description: PFC CS6 18G0512

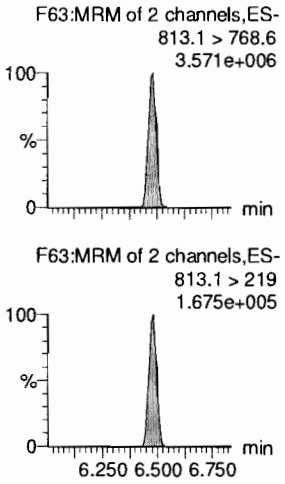
PFTeDA



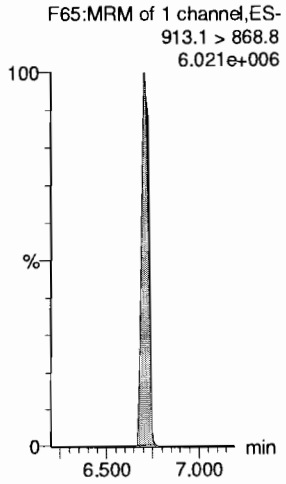
N-EtFOSA



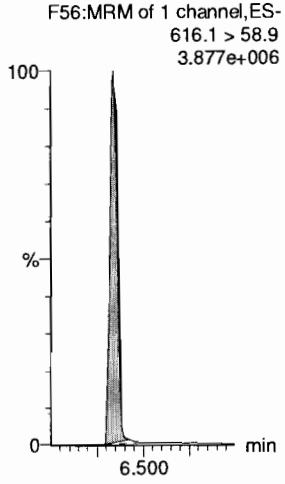
PFHxDA



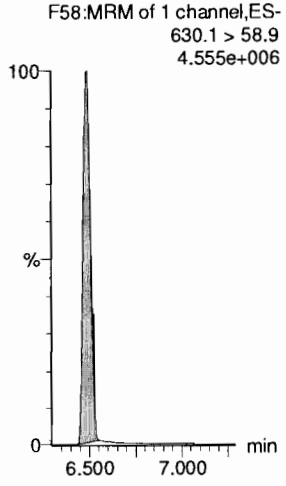
PFODA



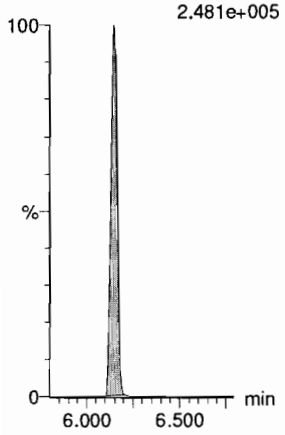
N-MeFOSE



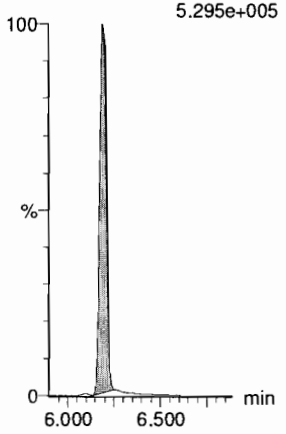
N-EtFOSE



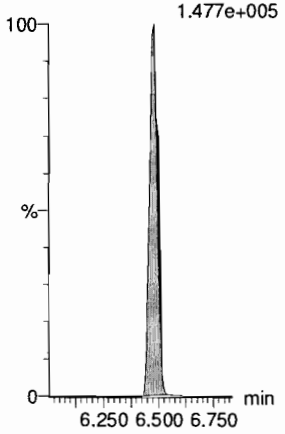
13C2-PFTeDA



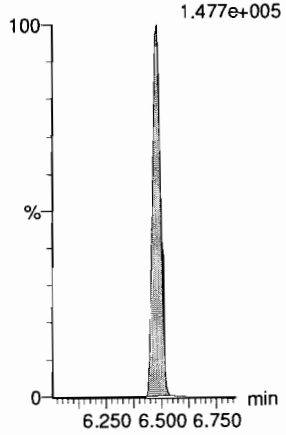
d5-N-ETFOSA



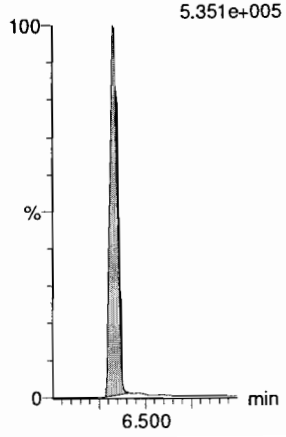
13C2-PFHxDA



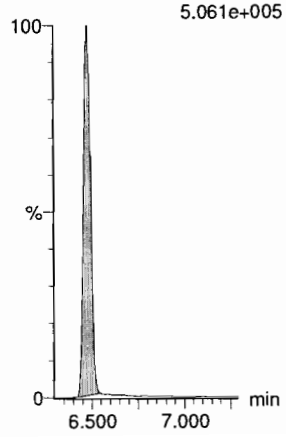
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d7-N-MeFOSE



d9-N-EtFOSE

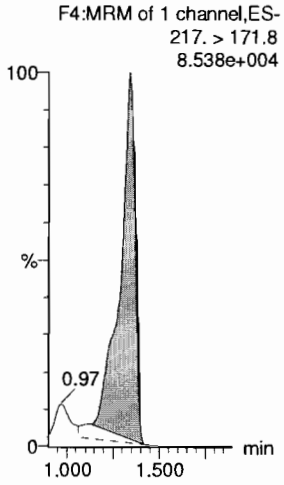


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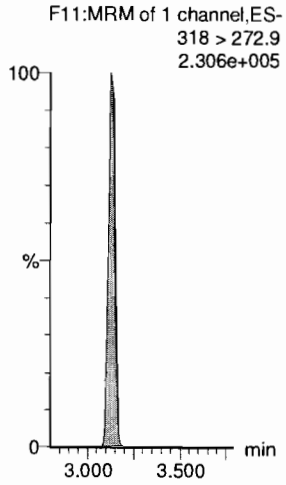
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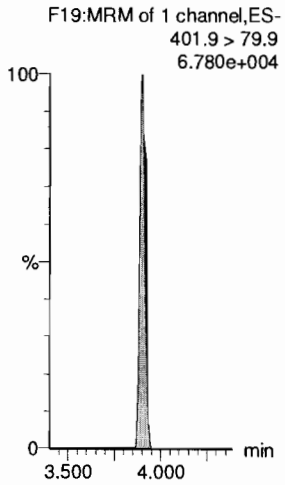
13C4-PFBA



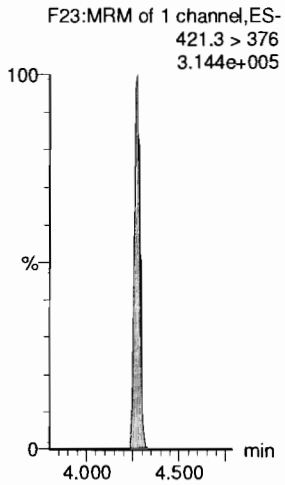
13C5-PFHxA



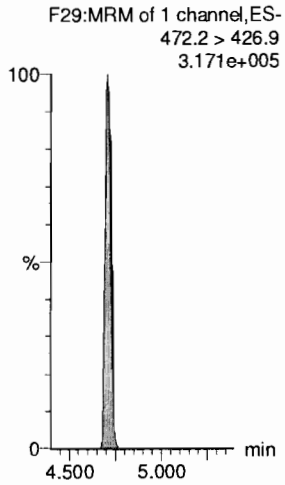
13C3-PFHxS



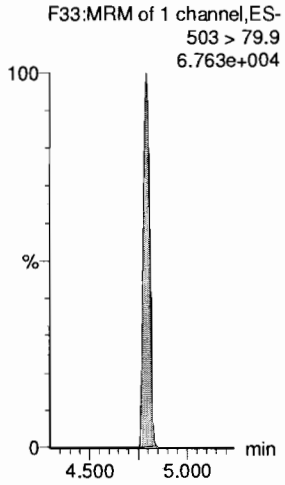
13C8-PFOA



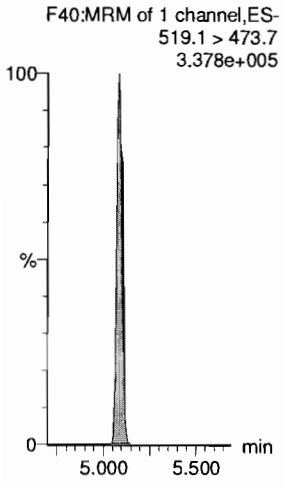
13C9-PFNA



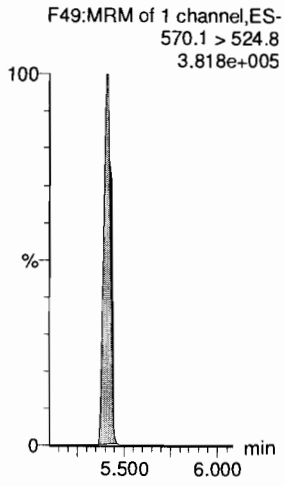
13C4-PFOS



13C6-PFDA



13C7-PFUdA

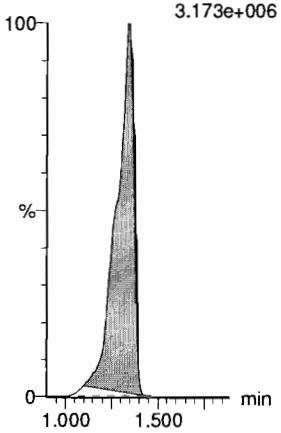


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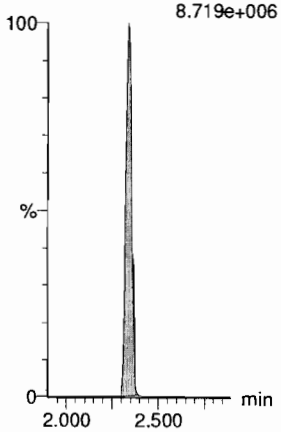
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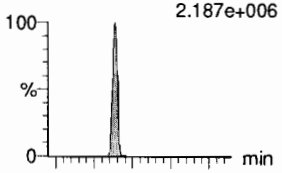
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
3.173e+006



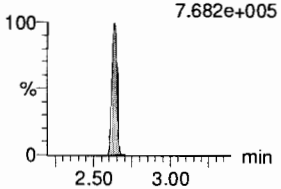
PFPeA
F5:MRM of 1 channel,ES-
263.1 > 218.9
8.719e+006



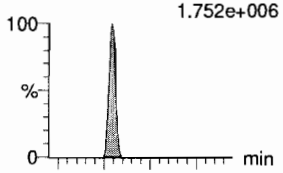
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
2.187e+006



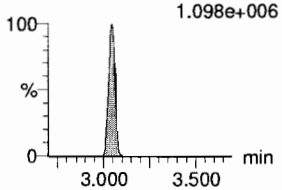
F7:MRM of 2 channels,ES-
299.0 > 99.0
7.682e+005



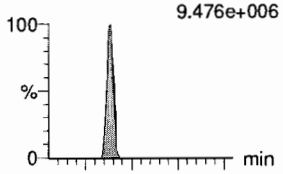
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
1.752e+006



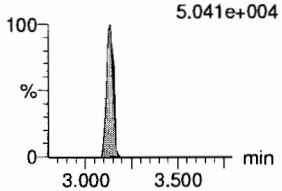
F12:MRM of 2 channels,ES-
327.2 > 81.1
1.098e+006



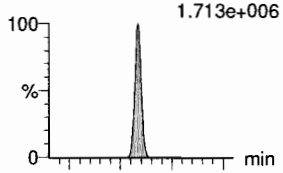
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
9.476e+006



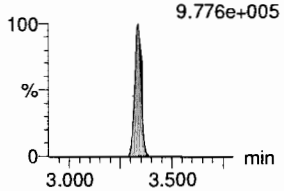
F9:MRM of 2 channels,ES-
313.2 > 119
5.041e+004



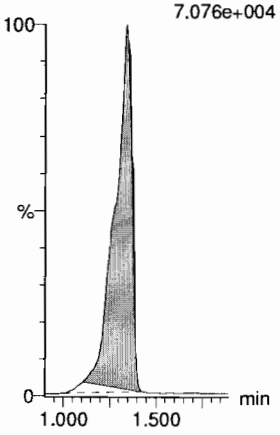
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
1.713e+006



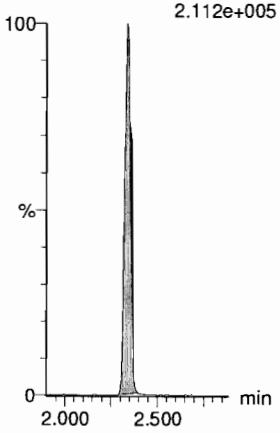
F15:MRM of 2 channels,ES-
349.1 > 99
9.776e+005



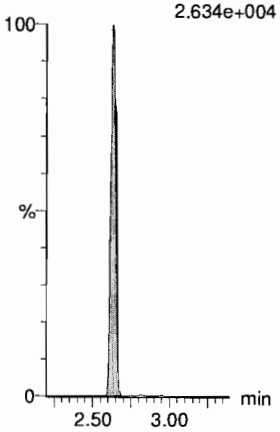
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
7.076e+004



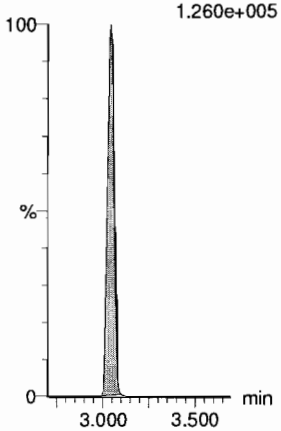
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
2.112e+005



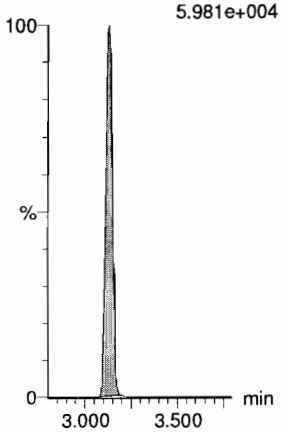
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
2.634e+004



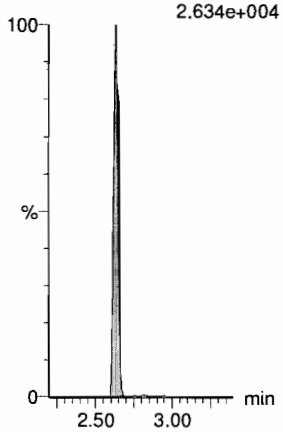
13C2-4:2 FTS
F13:MRM of 1 channel,ES-
329.2 > 308.9
1.260e+005



13C2-PFHxA
F10:MRM of 1 channel,ES-
315 > 269.8
5.981e+004



13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
2.634e+004

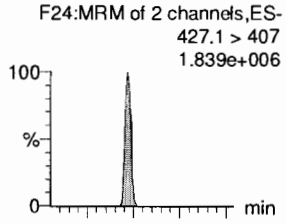


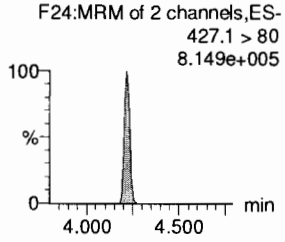
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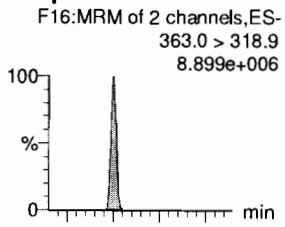
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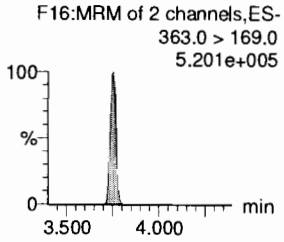
6:2 FTS



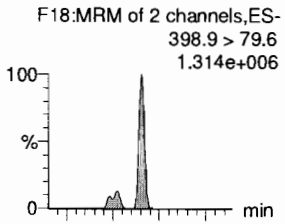


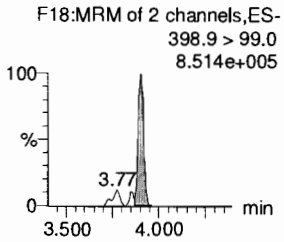
PFHpA



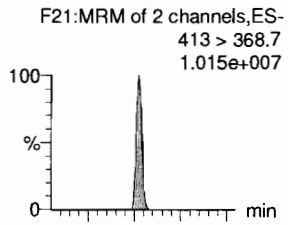


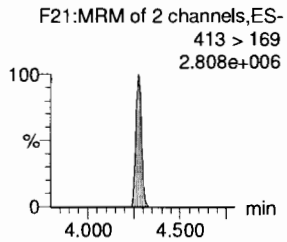
L-PFHxS



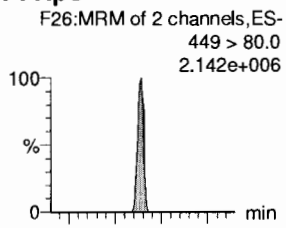


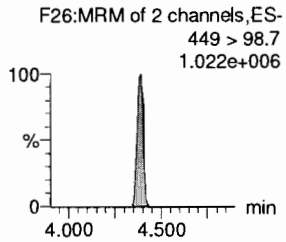
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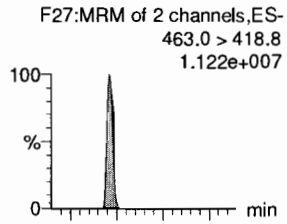


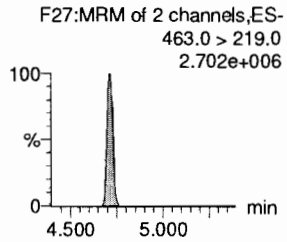
PFHpS



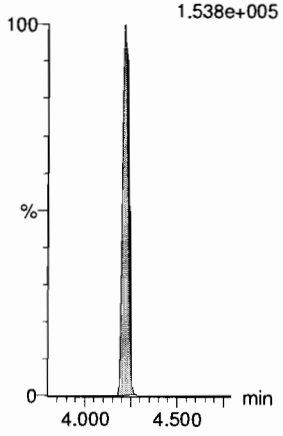


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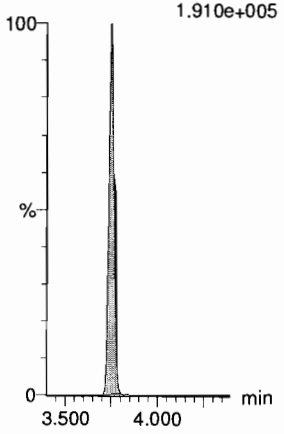




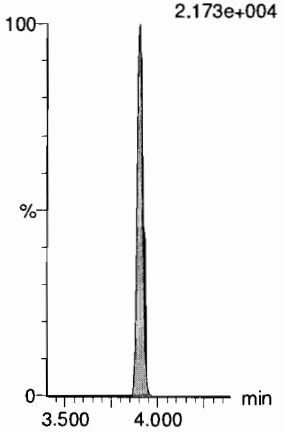
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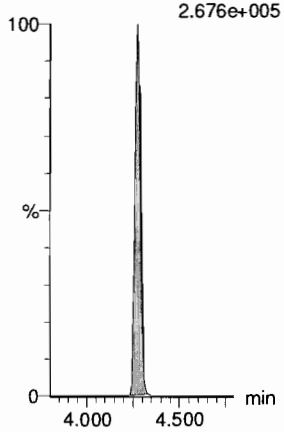
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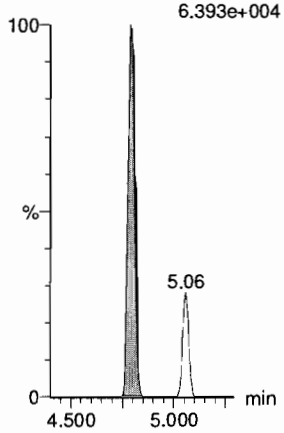
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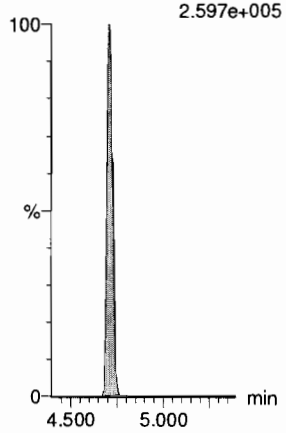
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13C8-PFOS



13C5-PFNA

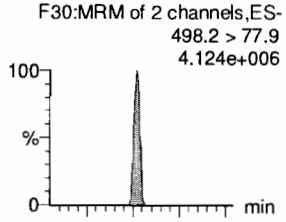


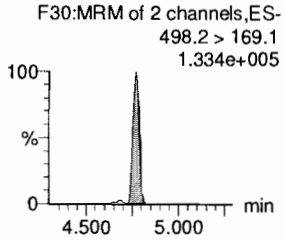
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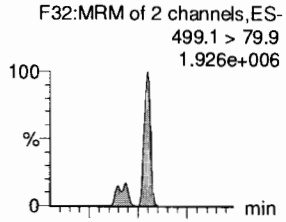
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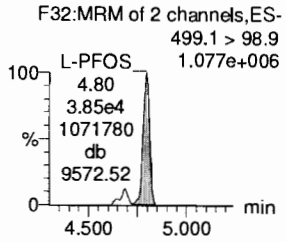
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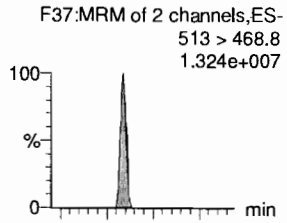


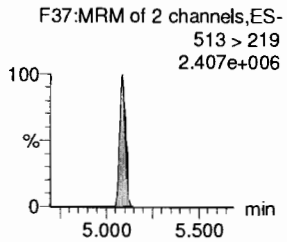
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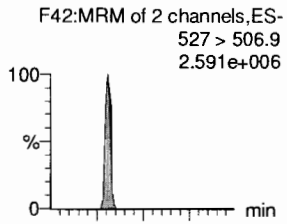


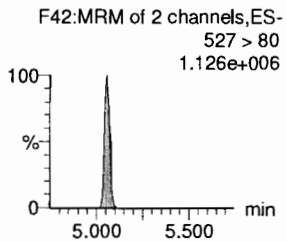
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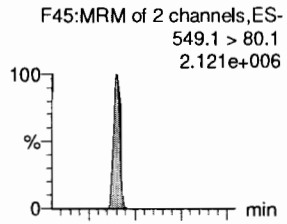


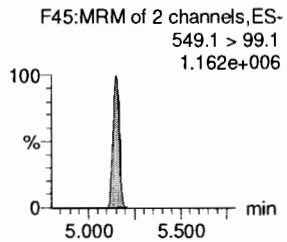
8:2 FTS



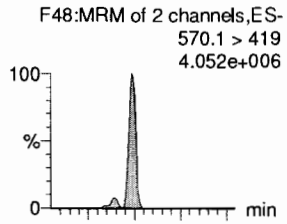


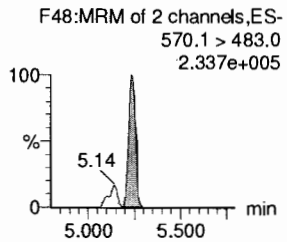
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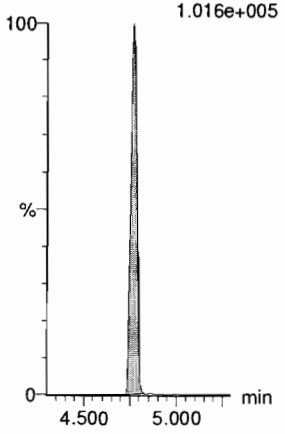


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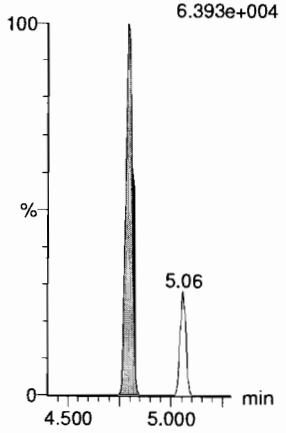




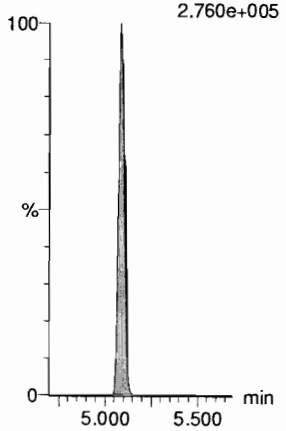
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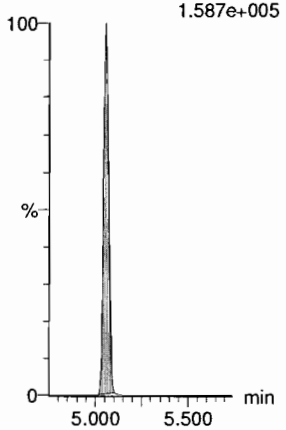
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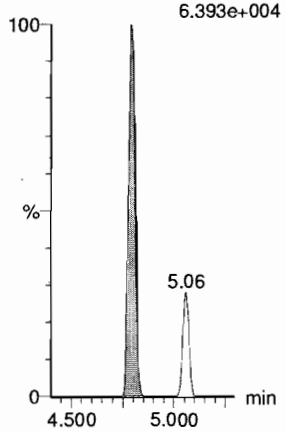
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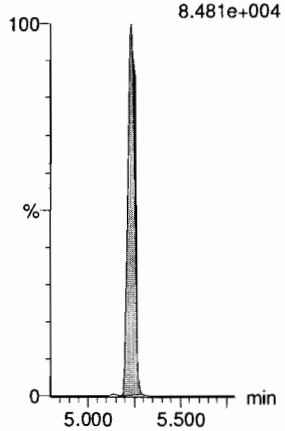
13C2-8:2 FTS



13C8-PFOS



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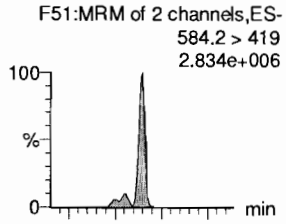


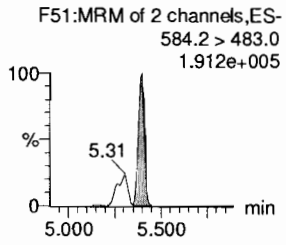
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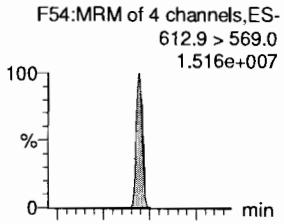
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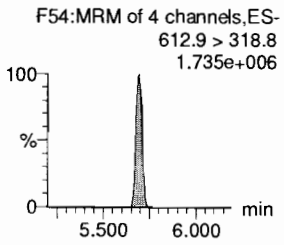
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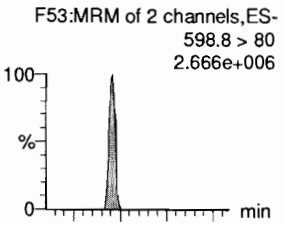


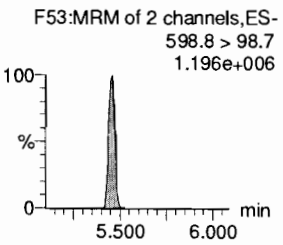
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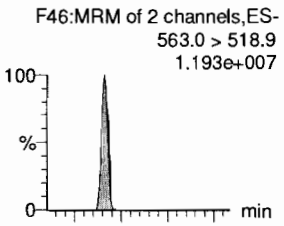


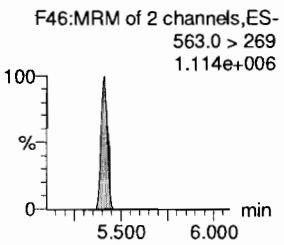
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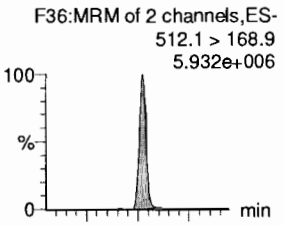


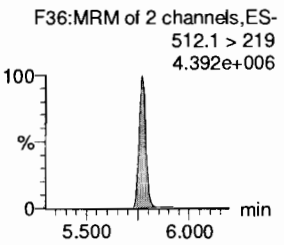
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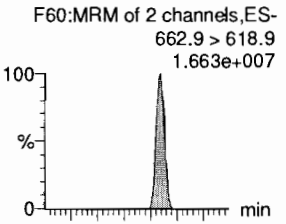


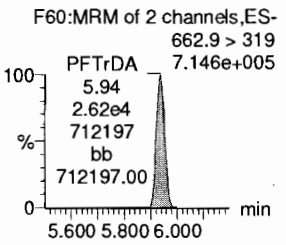
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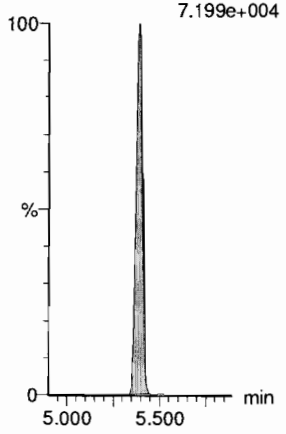


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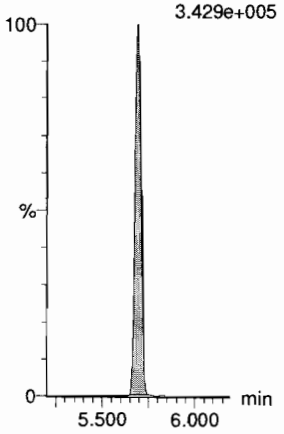




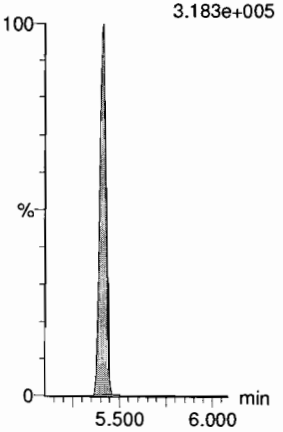
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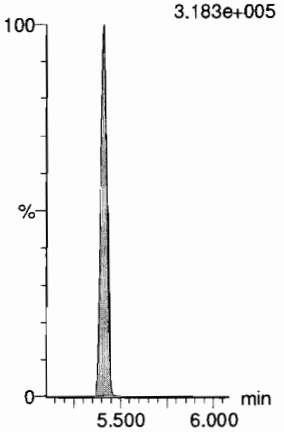
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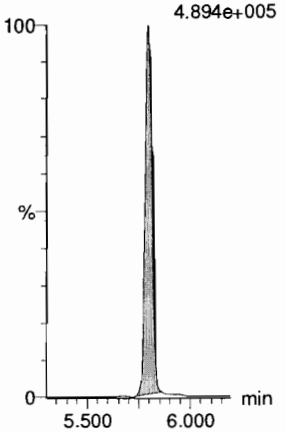
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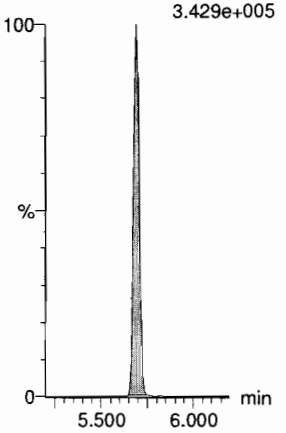
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13C2-PFDoA

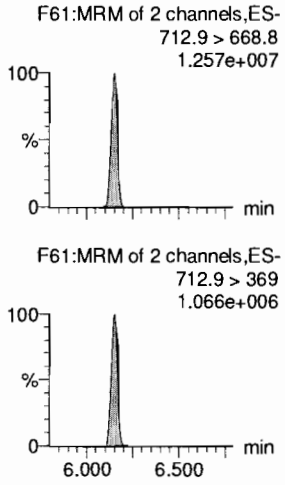


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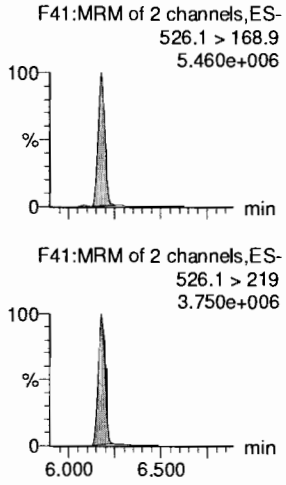
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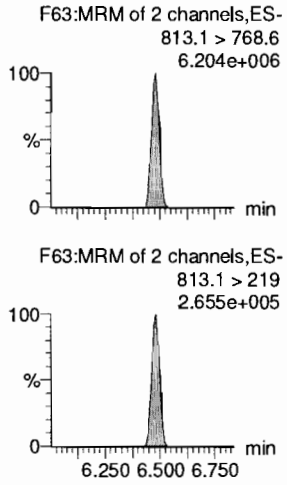
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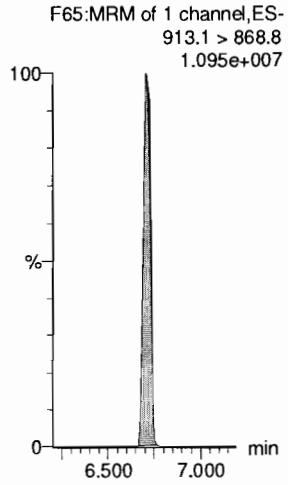
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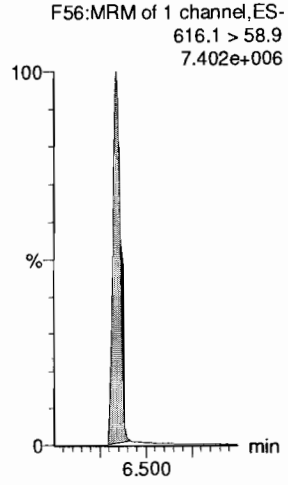
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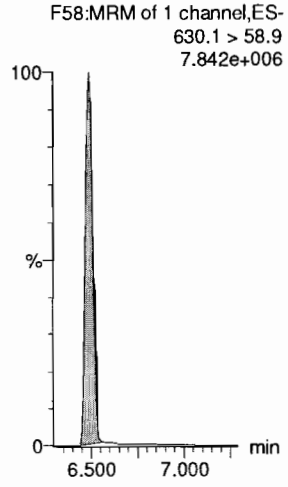
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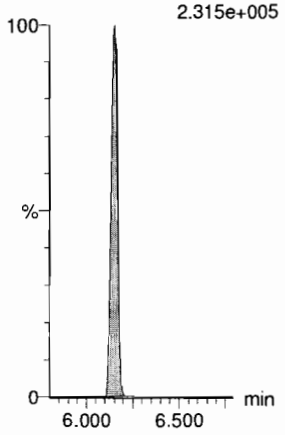
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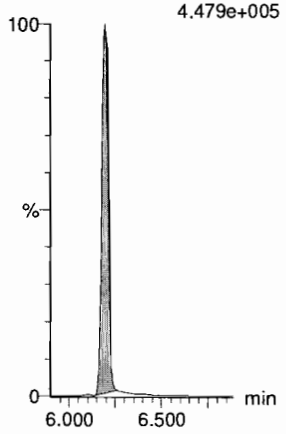
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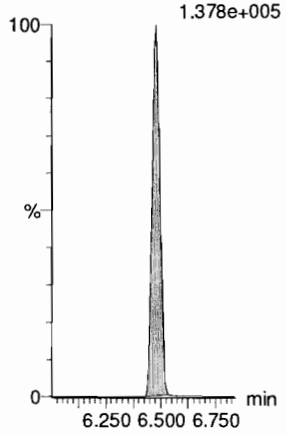
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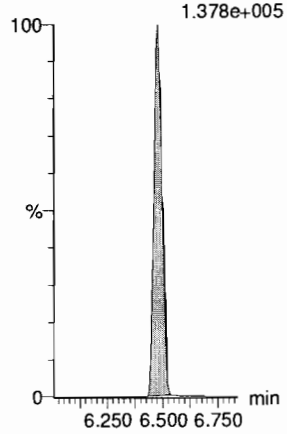
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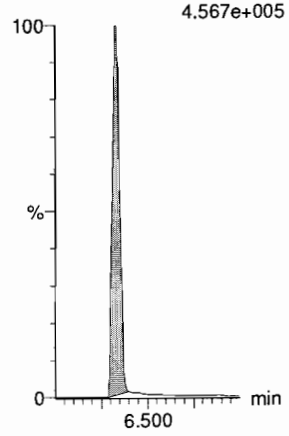
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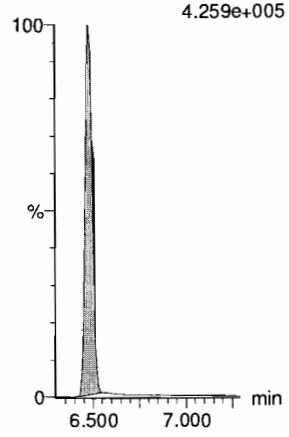
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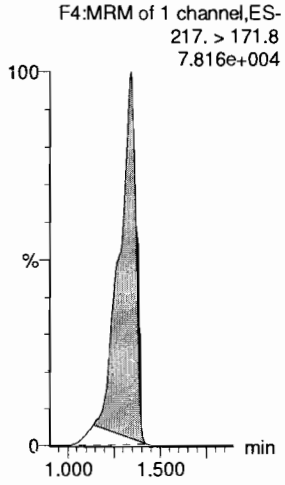


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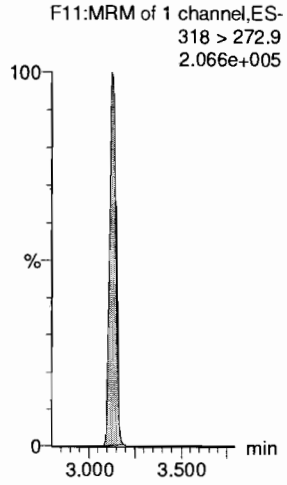
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Name: 180713M2_11, Date: 13-Jul-2018, Time: 18:06:45, ID: ST180713M2-10 PFC CS7 18G0513, Description: PFC CS7 18G0513

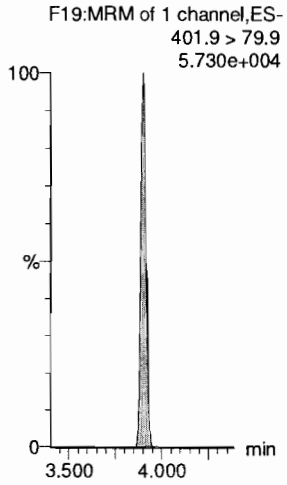
13C4-PFBA



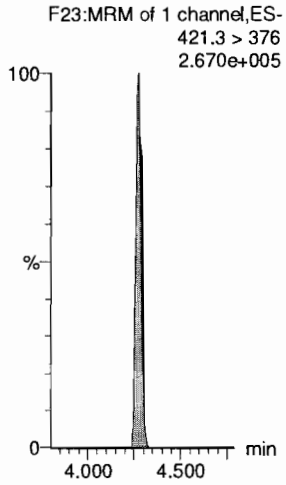
13C5-PFHxA



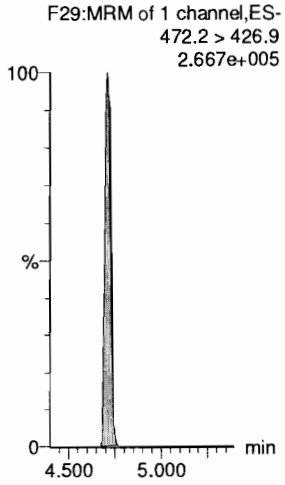
13C3-PFHxS



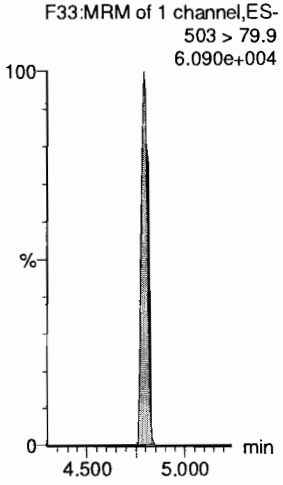
13C8-PFOA



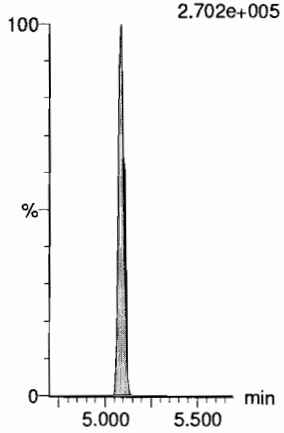
13C9-PFNA



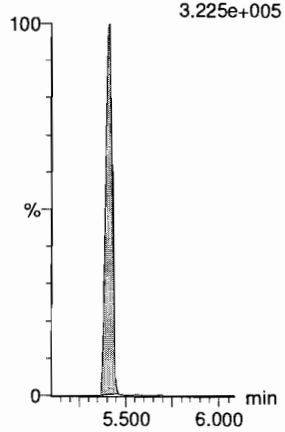
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-ICV.qld

Last Altered: Saturday, July 14, 2018 11:32:32 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:32:48 Pacific Daylight Time

Name: 180713M2_13, Date: 13-Jul-2018, Time: 18:27:59, ID: ICV180713M2-1 PFC 537 ICV 18G0514, Description: PFC 537 ICV 18G0514

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	6089.455	6912.343	1.00	1.35	11.012	9.5	95.1	NO		
2	2	PFPeA	263.1 > 218.9	8223.761	10426.973	1.00	2.33	9.859	9.4	94.3	NO		
3	3	PFBS	299.0 > 79.7	1642.511	1336.446	1.00	2.63	15.363	7.7	77.5	NO	2.553	NO
4	4	4:2 FTS	327.2>307.2	1747.236	2634.399	1.00	3.04	8.290	8.6	85.5	NO	1.725	NO
5	5	PFHxA	313.2 > 268.9	10209.047	2982.499	1.00	3.13	17.115	10.2	102.2	NO	226.039	NO
6	6	PFPeS	349.1>80.1	1743.944	1336.446	1.00	3.34	16.311	8.9	89.2	NO	1.719	NO
7	36	13C3-PFBA	216.1 > 171.8	6912.343	7454.905	1.00	1.34	11.590	12.7	101.2	NO		
8	37	13C3-PFPeA	266. > 221.8	10426.973	10291.165	1.00	2.33	12.665	12.8	102.5	NO		
9	38	13C3-PFBS	302. > 98.8	1336.446	10291.165	1.00	2.63	1.623	13.5	108.3	NO		
10	39	13C2-4:2 FTS	329.2>308.9	2634.399	10291.165	1.00	3.04	3.200	13.2	105.8	NO		
11	40	13C2-PFHxA	315 > 269.8	2982.499	10291.165	1.00	3.13	3.623	4.9	97.1	NO		
12	38	13C3-PFBS	302. > 98.8	1336.446	10291.165	1.00	2.63	1.623	13.5	108.3	NO		
13	-1												
14	10	6:2 FTS	427.1 > 407	1768.199	2265.444	1.00	4.22	9.756	9.4	93.8	NO	2.836	NO
15	7	PFHpA	363.0 > 318.9	7412.602	8621.217	1.00	3.75	10.748	9.4	93.8	NO	14.608	NO
16	8	L-PFHxS	398.9 > 79.6	1235.618	978.114	1.00	3.90	15.791	8.4	83.9	NO	1.494	NO
17	11	L-PFOA	413 > 368.7	8627.976	9758.488	1.00	4.27	11.052	10.7	106.6	NO	3.379	NO
18	13	PFHpS	449 > 80.0	2048.509	2887.367	1.00	4.38	8.868	11.1	110.8	NO	2.114	NO
19	14	PFNA	463.0 > 418.8	9593.586	10819.825	1.00	4.71	11.083	9.6	95.9	NO	4.661	NO
20	43	13C2-6:2 FTS	429.1 > 408.9	2265.444	11565.466	1.00	4.22	2.449	11.5	92.1	NO		
21	41	13C4-PFHpA	367.2 > 321.8	8621.217	10291.165	1.00	3.75	10.472	12.9	103.3	NO		
22	42	18O2-PFHxS	403.0 > 102.6	978.114	2263.973	1.00	3.90	5.400	13.2	105.7	NO		
23	44	13C2-PFOA	414.9 > 369.7	9758.488	11565.466	1.00	4.27	10.547	11.1	89.2	NO		
24	47	13C8-PFOS	507.0 > 79.9	2887.367	2788.762	1.00	4.79	12.942	11.7	93.3	NO		
25	45	13C5-PFNA	468.2 > 422.9	10819.825	11159.254	1.00	4.71	12.120	12.4	99.0	NO		
26	-1												
27	15	PFOSA	498.2 > 77.9	4258.884	5335.334	1.00	4.77	9.978	10.4	104.0	NO	32.949	NO
28	16	L-PFOS	499.1 > 79.9	2100.964	2887.367	1.00	4.80	9.096	10.6	106.5	NO	2.082	NO
29	18	PFDA	513 > 468.8	11861.802	12073.997	1.00	5.08	12.280	9.5	95.4	NO	4.984	NO
30	19	8:2 FTS	527 > 506.9	2162.653	2142.800	1.00	5.06	12.616	8.4	83.8	NO	2.302	NO
31	20	PFNS	549.1>80.1	2065.454	2887.367	1.00	5.15	8.942	10.9	109.2	NO	1.942	NO
32	21	L-MeFOSAA	570.1 > 419	4002.058	3810.680	1.00	5.24	13.128	12.3	122.9	NO	12.588	NO
33	46	13C8-PFOSA	506.1 > 77.7	5335.334	18718.240	1.00	4.77	3.563	11.8	94.1	NO		
34	47	13C8-PFOS	507.0 > 79.9	2887.367	2788.762	1.00	4.79	12.942	11.7	93.3	NO		
35	48	13C2-PFDA	515.1 > 469.9	12073.997	12630.599	1.00	5.08	11.949	11.9	94.9	NO		
36	49	13C2-8:2 FTS	529.1 > 508.7	2142.800	10291.165	1.00	5.06	2.603	13.3	106.7	NO		

KBF 7/14/18
ICal 7/14/18

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-ICV.qld

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Printed: Saturday, July 14, 2018 11:32:48 Pacific Daylight Time

(A) Compounds not present in ICV

Name: 180713M2_13, Date: 13-Jul-2018, Time: 18:27:59, ID: ICV180713M2-1 PFC 537 ICV 18G0514, Description: PFC 537 ICV 18G0514

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47	13C8-PFOS	507.0 > 79.9	2887.367	2788.762	1.00	4.79	12.942	11.7	93.3	NO		
38	50	d3-N-MeFOSAA	573.3 > 419	3810.680	18718.240	1.00	5.24	2.545	9.8	78.7	NO		
39	-1												
40	23	L-EtFOSAA	584.2 > 419	4203.180	4753.352	1.00	5.40	11.053	12.2	122.1	NO	16.398	NO
41	27	PFDoA	612.9 > 569.0	17253.559	14339.851	1.00	5.69	15.040	10.9	108.7	NO	8.756	NO
42	26	PFDS	598.8 > 80	2284.934	15399.205	1.00	5.45	1.855	9.5	95.0	NO	2.142	NO
43	25	PFUdA	563.0 > 518.9	11788.657	15399.205	1.00	5.41	9.569	8.9	89.4	NO	9.814	NO
44	28	N-MeFOSA	512.1 > 168.9		21050.539	1.00				(A)	NO		
45	29	PFTrDA	662.9 > 618.9	16306.266	14339.851	1.00	5.93	14.214	11.0	110.0	NO	24.650	NO
46	51	d5-N-EtFOSAA	589.3 > 419	4753.352	18718.240	1.00	5.39	3.174	11.3	90.7	NO		
47	53	13C2-PFDoA	615.0 > 569.7	14339.851	12630.599	1.00	5.69	14.192	11.2	89.9	NO		
48	52	13C2-PFUdA	565 > 519.8	15399.205	18718.240	1.00	5.41	10.284	11.4	90.9	NO		
49	52	13C2-PFUdA	565 > 519.8	15399.205	18718.240	1.00	5.41	10.284	11.4	90.9	NO		
50	54	d3-N-MeFOSA	515.2 > 168.9	21050.539	18718.240	1.00	5.80	14.058	135.2	90.1	NO		
51	53	13C2-PFDoA	615.0 > 569.7	14339.851	12630.599	1.00	5.69	14.192	11.2	89.9	NO		
52	-1												
53	30	PFTeDA	712.9 > 668.8	13311.973	10474.803	1.00	6.15	15.886	9.1	90.8	NO	11.564	NO
54	31	N-EtFOSA	526.1 > 168.9		23718.668	1.00				(A)	NO		
55	32	PFHxDA	813.1 > 768.6		6610.382	1.00					NO		
56	33	PFODA	913.1 > 868.8		6610.382	1.00					NO		
57	34	N-MeFOSE	616.1 > 58.9		25219.777	1.00					NO		
58	35	N-EtFOSE	630.1 > 58.9		24111.311	1.00					NO		
59	55	13C2-PFTeDA	714.8 > 669.6	10474.803	18718.240	1.00	6.15	6.995	12.2	97.4	NO		
60	56	d5-N-ETFOSA	531.1 > 168.9	23718.668	18718.240	1.00	6.19	15.839	137.6	91.7	NO		
61	57	13C2-PFHxDA	815 > 769.7	6610.382	18718.240	1.00	6.48	4.414	5.0	100.4	NO		
62	57	13C2-PFHxDA	815 > 769.7	6610.382	18718.240	1.00	6.48	4.414	5.0	100.4	NO		
63	58	d7-N-MeFOSE	623.1 > 58.9	25219.777	18718.240	1.00	6.33	16.842	141.7	94.4	NO		
64	59	d9-N-EtFOSE	639.2 > 58.8	24111.311	18718.240	1.00	6.48	16.101	139.0	92.6	NO		
65	-1												
66	60	13C4-PFBA	217. > 171.8	7454.905	7454.905	1.00	1.34	12.500	12.5	100.0	NO		
67	61	13C5-PFHxA	318 > 272.9	10291.165	10291.165	1.00	3.13	12.500	12.5	100.0	NO		
68	62	13C3-PFHxS	401.9 > 79.9	2263.973	2263.973	1.00	3.90	12.500	12.5	100.0	NO		
69	63	13C8-PFOA	421.3 > 376	11565.466	11565.466	1.00	4.27	12.500	12.5	100.0	NO		
70	64	13C9-PFNA	472.2 > 426.9	11159.254	11159.254	1.00	4.71	12.500	12.5	100.0	NO		
71	65	13C4-PFOS	503 > 79.9	2788.762	2788.762	1.00	4.79	12.500	12.5	100.0	NO		
72	66	13C6-PFDA	519.1 > 473.7	12630.599	12630.599	1.00	5.08	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-ICV.qld

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Printed: Saturday, July 14, 2018 11:32:48 Pacific Daylight Time

Name: 180713M2_13, Date: 13-Jul-2018, Time: 18:27:59, ID: ICV180713M2-1 PFC 537 ICV 18G0514, Description: PFC 537 ICV 18G0514

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
73	67	13C7-PFUdA	570.1 > 524.8	18718.240	18718.240	1.00	5.41	12.500	12.5	100.0	NO		

Vista Analytical Laboratory

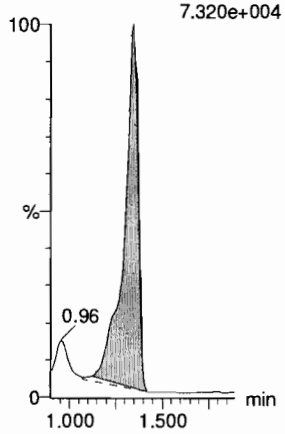
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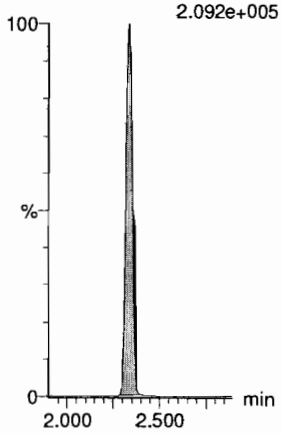
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Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Name: 180713M2_13, Date: 13-Jul-2018, Time: 18:27:59, ID: ICV180713M2-1 PFC 537 ICV 18G0514, Description: PFC 537 ICV 18G0514

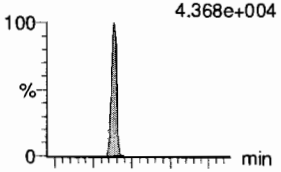
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
7.320e+004



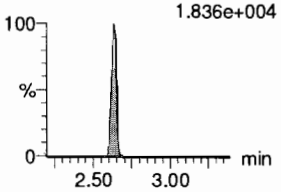
PFPeA
F5:MRM of 1 channel,ES-
263.1 > 218.9
2.092e+005



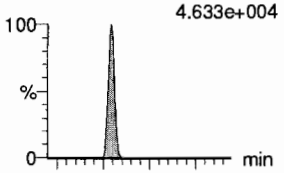
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
4.368e+004



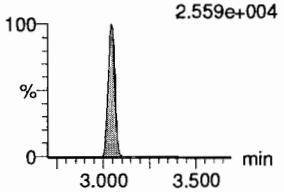
F7:MRM of 2 channels,ES-
299.0 > 99.0
1.836e+004



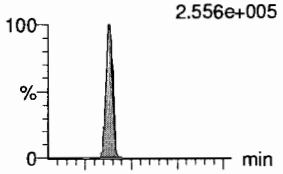
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
4.633e+004



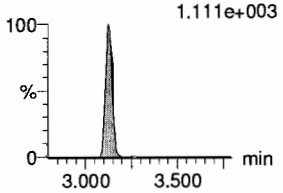
F12:MRM of 2 channels,ES-
327.2 > 81.1
2.559e+004



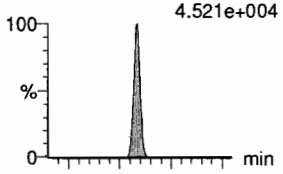
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
2.556e+005



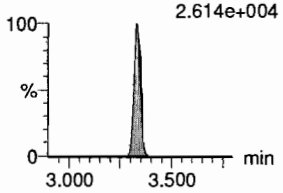
F9:MRM of 2 channels,ES-
313.2 > 119
1.111e+003



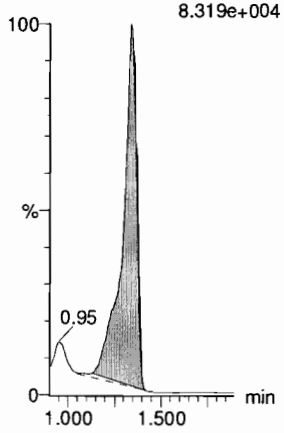
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
4.521e+004



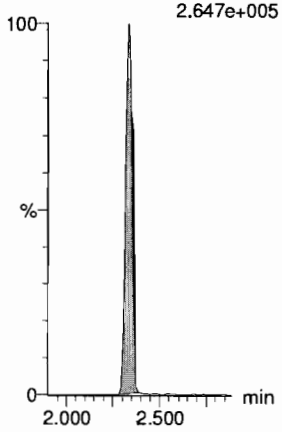
F15:MRM of 2 channels,ES-
349.1 > 99
2.614e+004



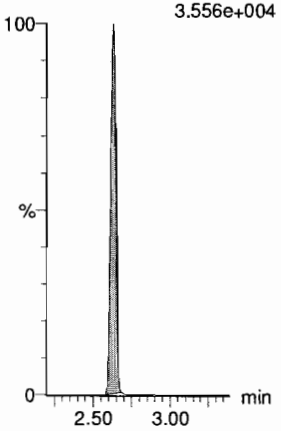
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
8.319e+004



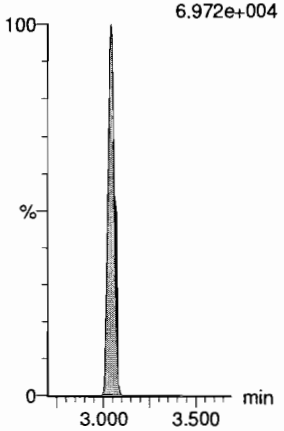
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
2.647e+005



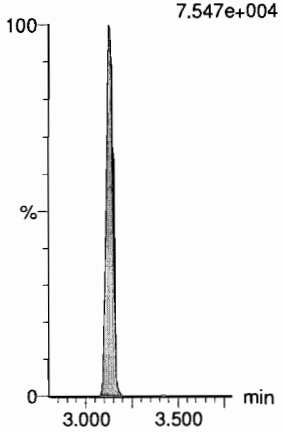
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
3.556e+004



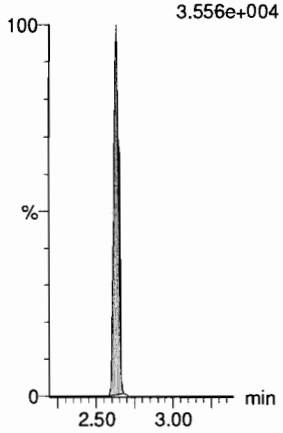
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F13:MRM of 1 channel,ES-
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6.972e+004



13C2-PFHxA
F10:MRM of 1 channel,ES-
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7.547e+004



13C3-PFBS
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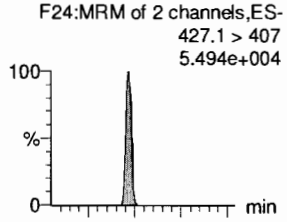


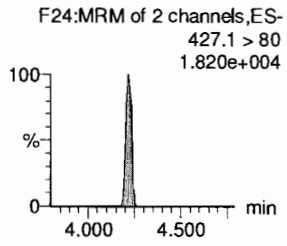
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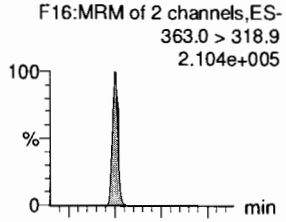
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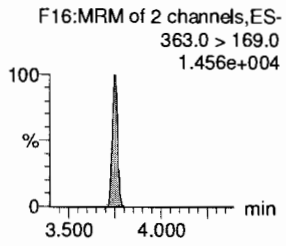
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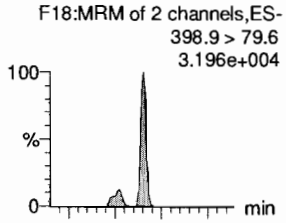


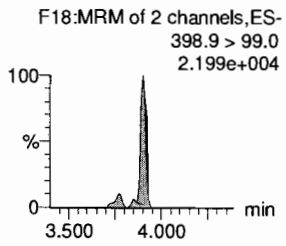
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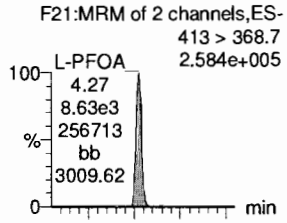


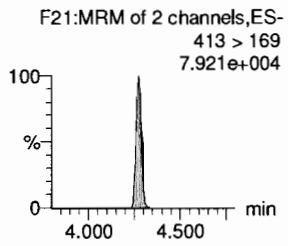
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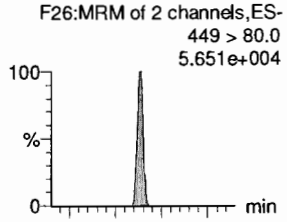


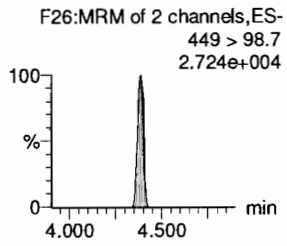
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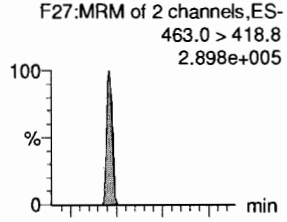


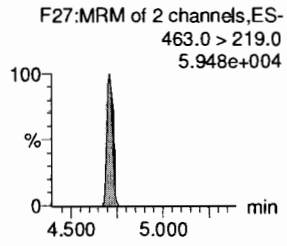
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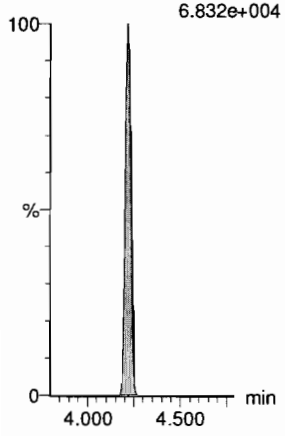


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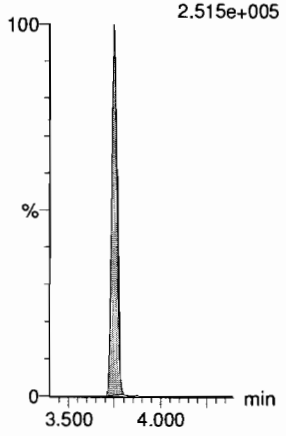




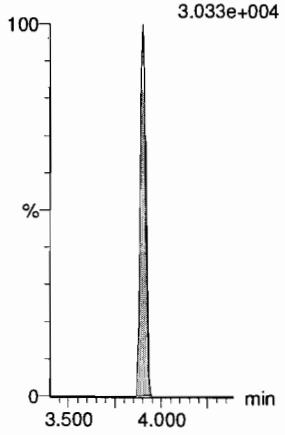
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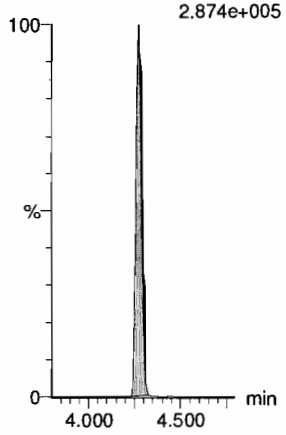
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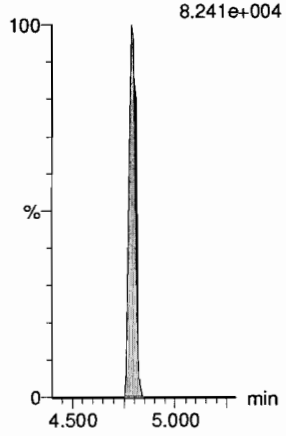
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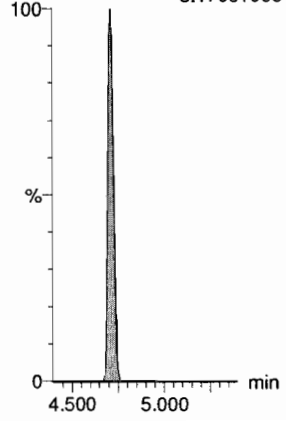
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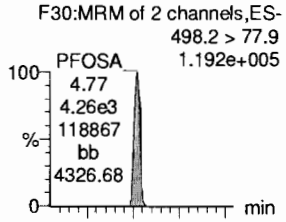


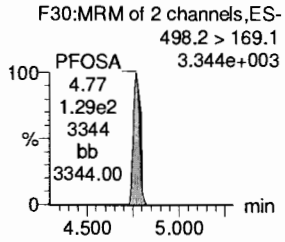
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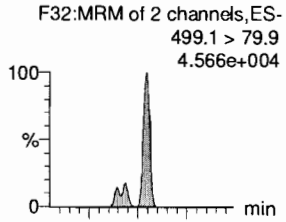
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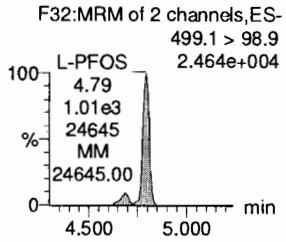
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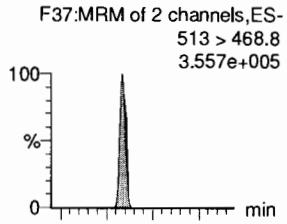


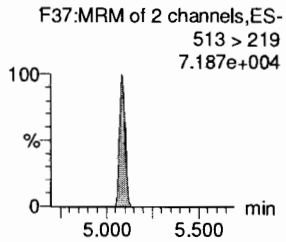
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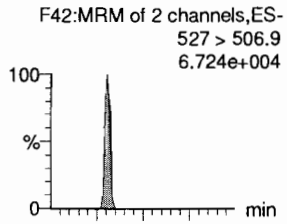


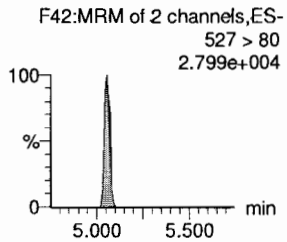
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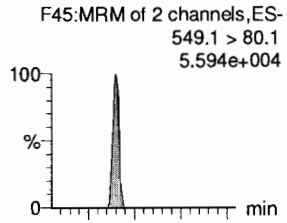


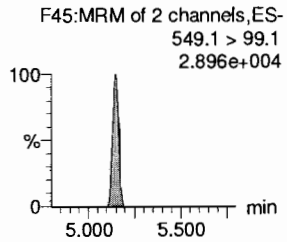
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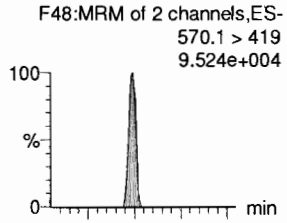


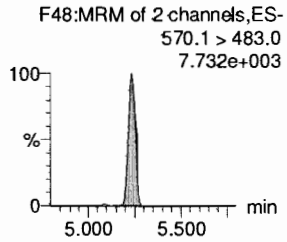
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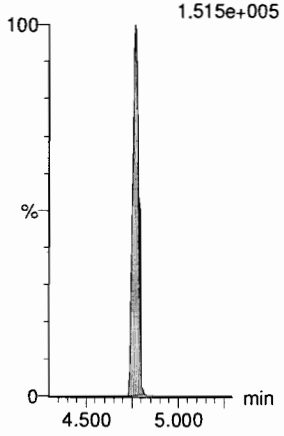


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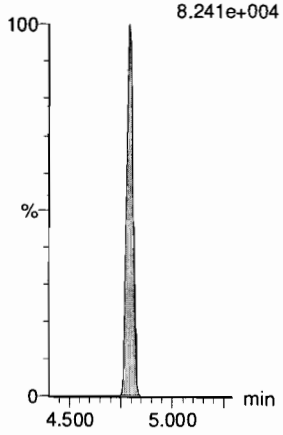




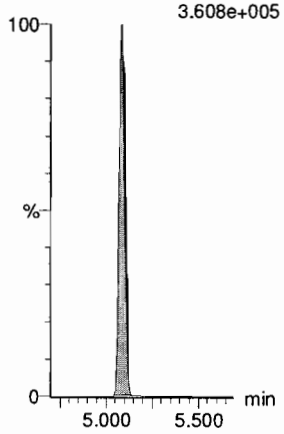
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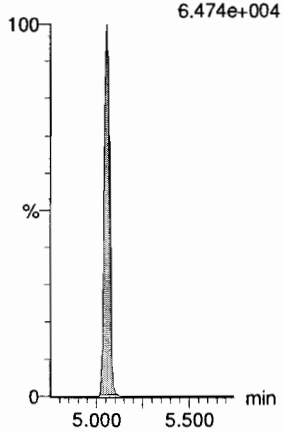
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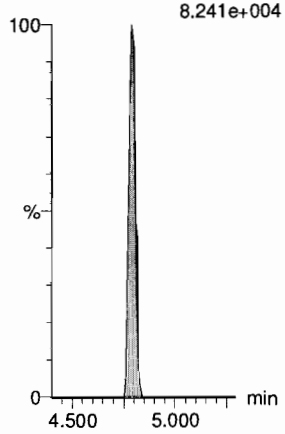
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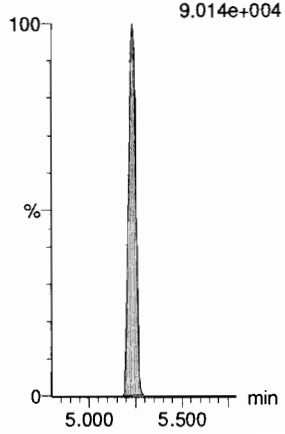
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13C8-PFOS



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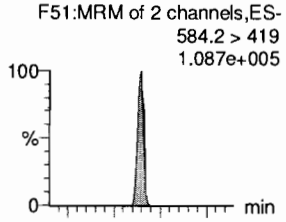


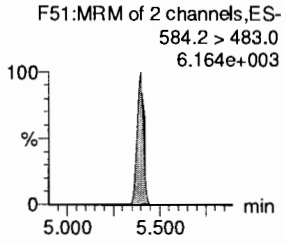
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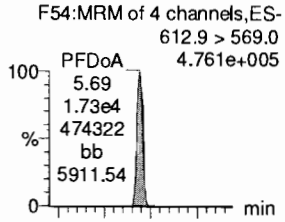
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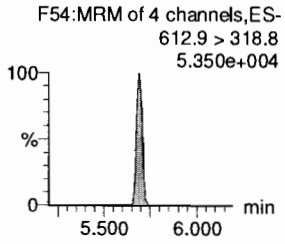
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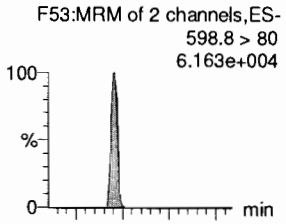


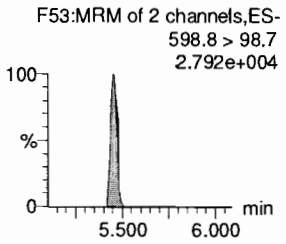
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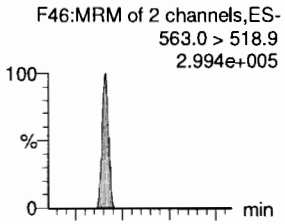


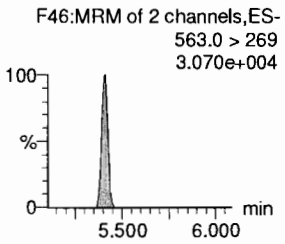
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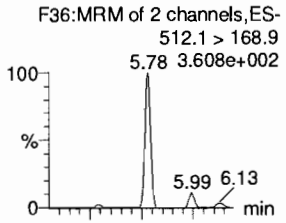


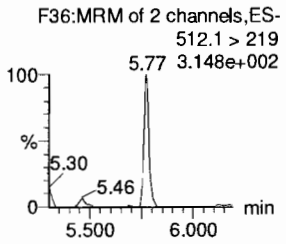
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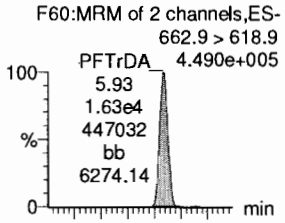


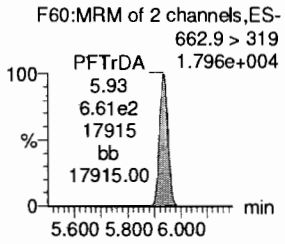
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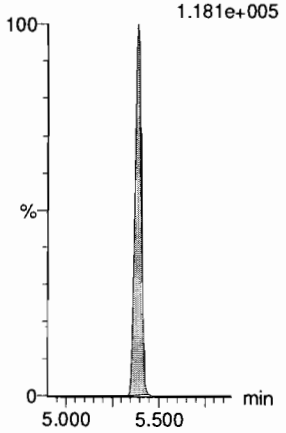


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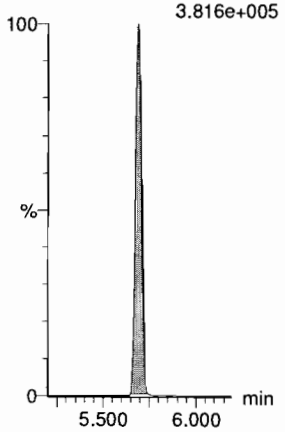




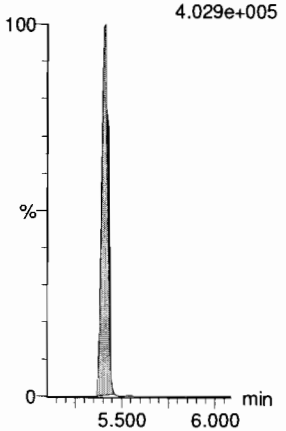
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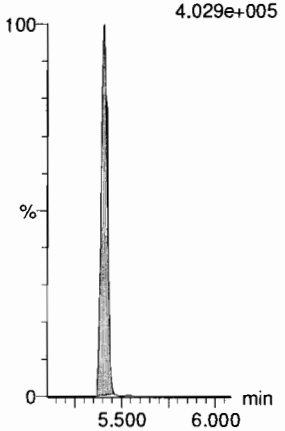
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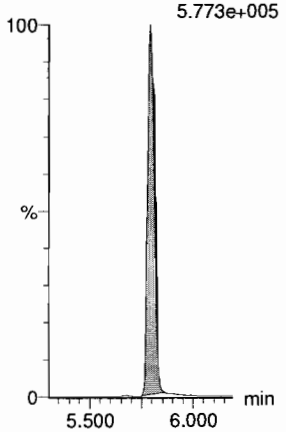
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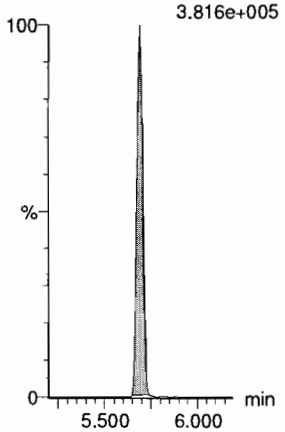
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d3-N-MeFOSA



13C2-PFDoA

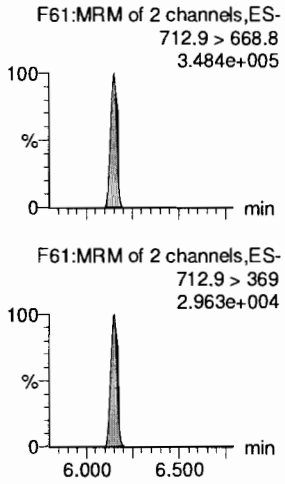


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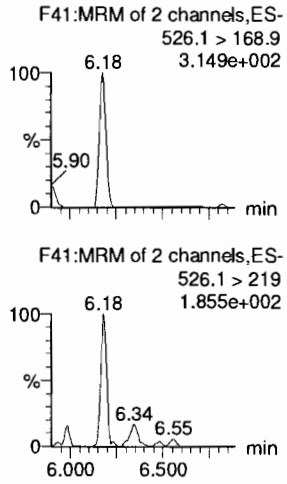
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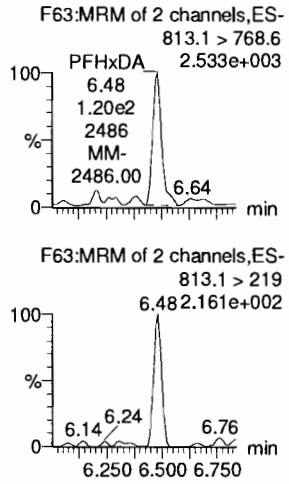
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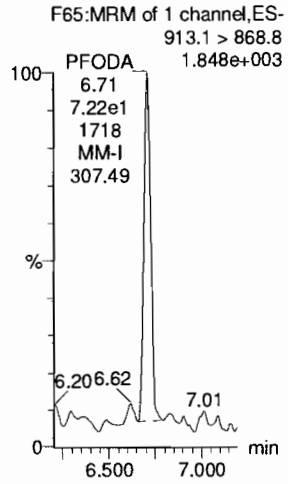
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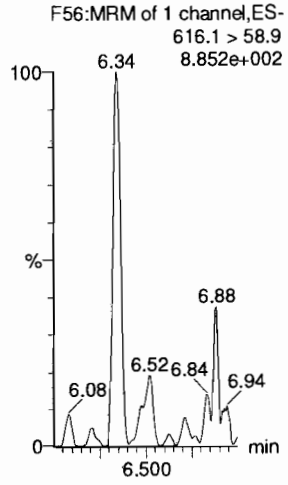
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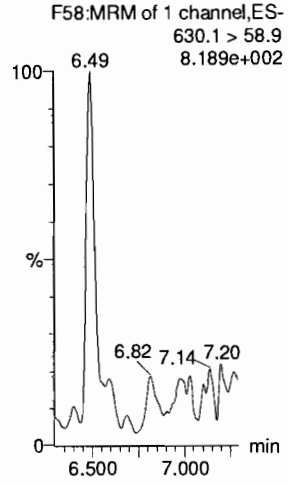
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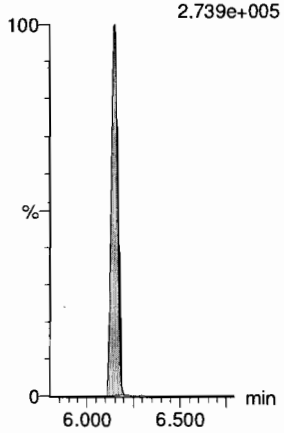
N-MeFOSE



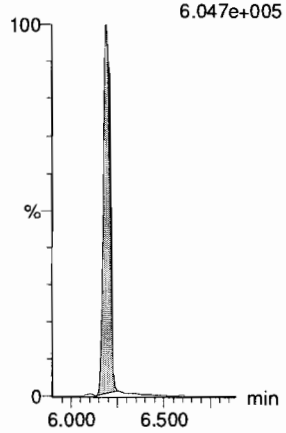
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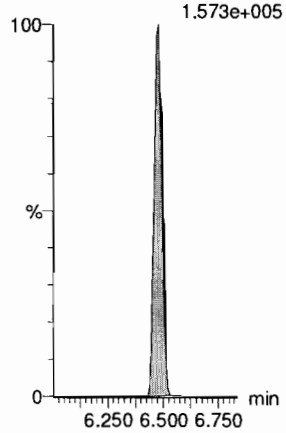
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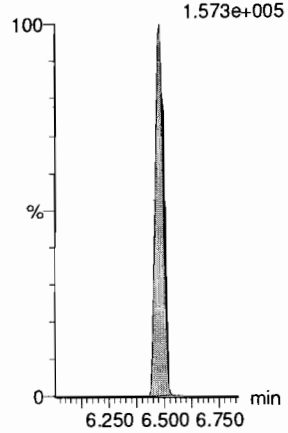
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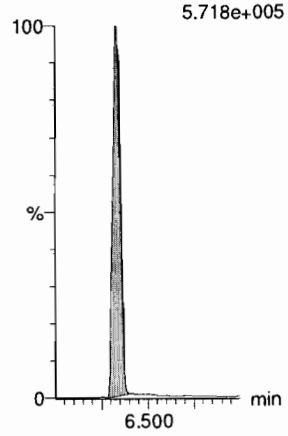
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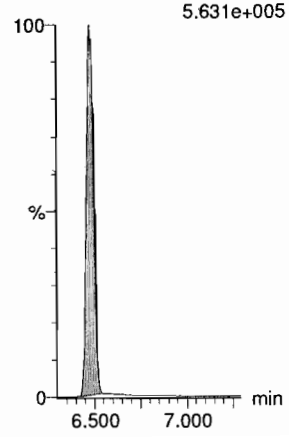
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d7-N-MeFOSE



d9-N-EtFOSE

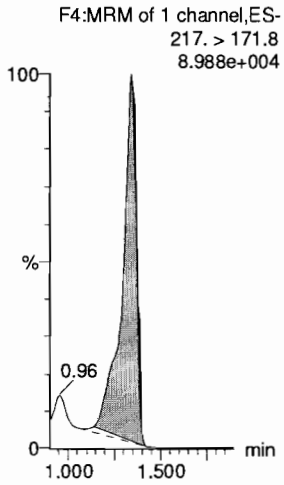


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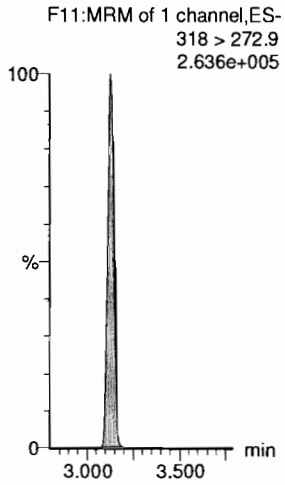
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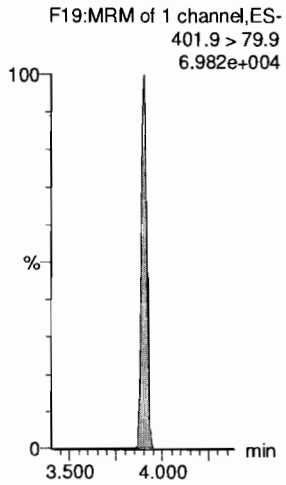
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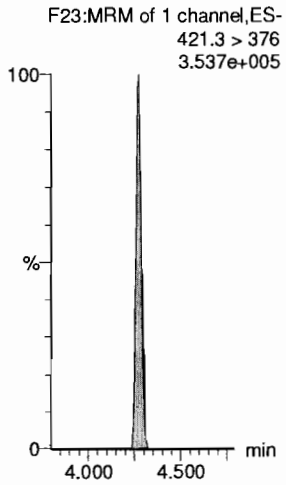
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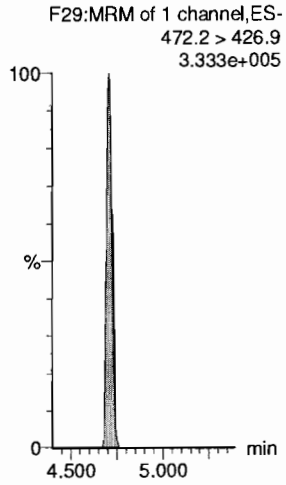
13C3-PFHxS



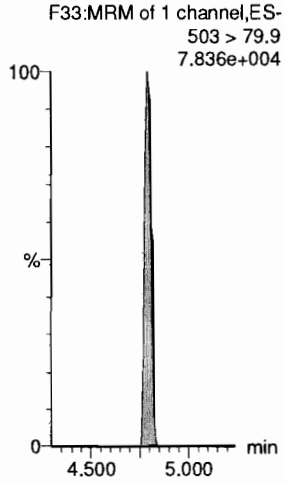
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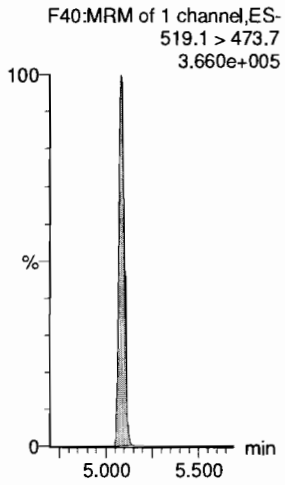
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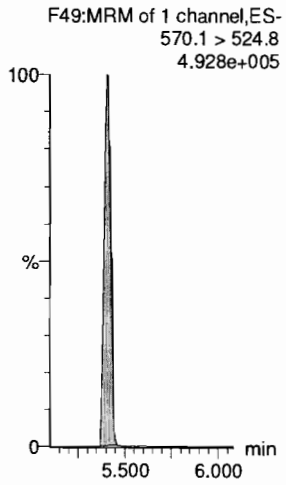
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

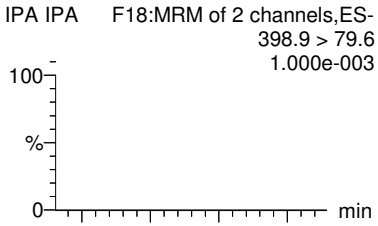
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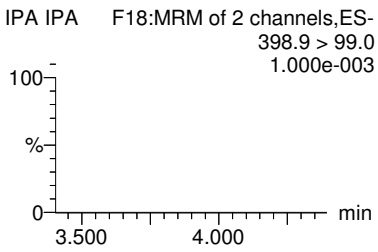
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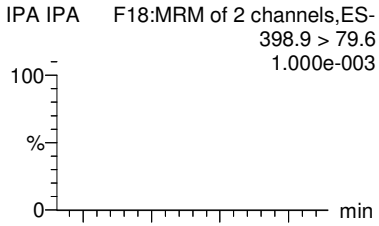
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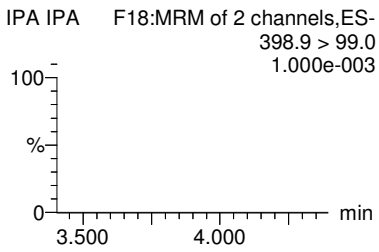
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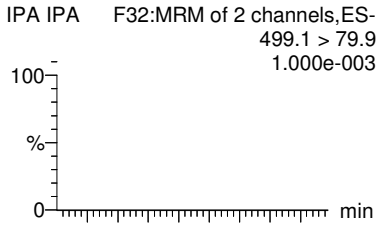


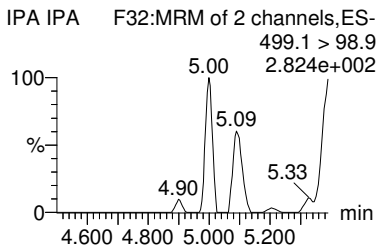
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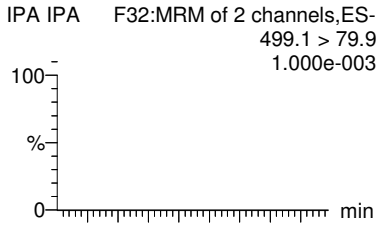


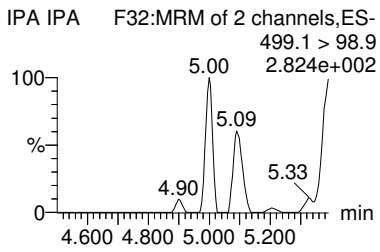
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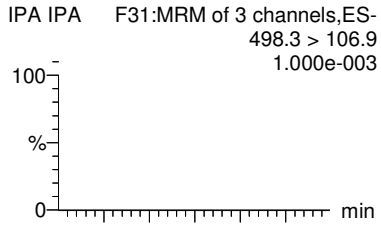


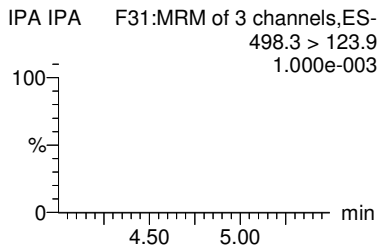
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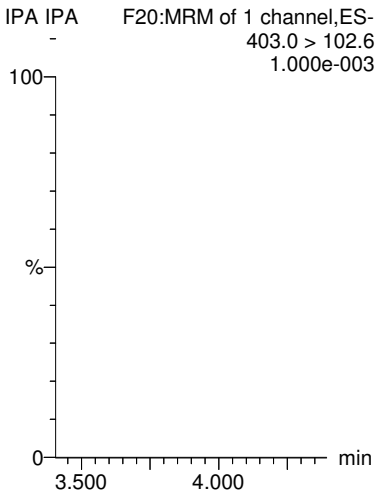


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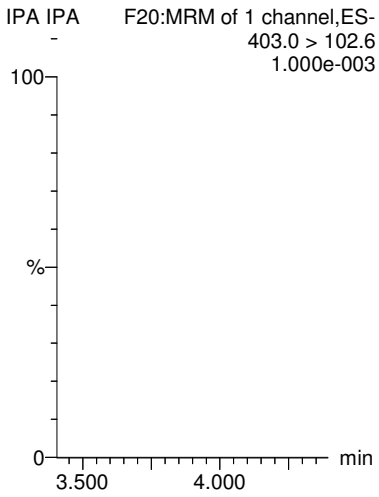




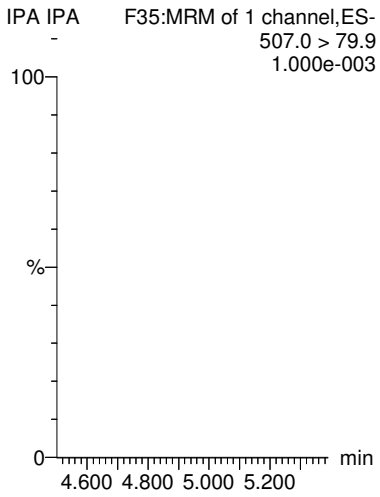
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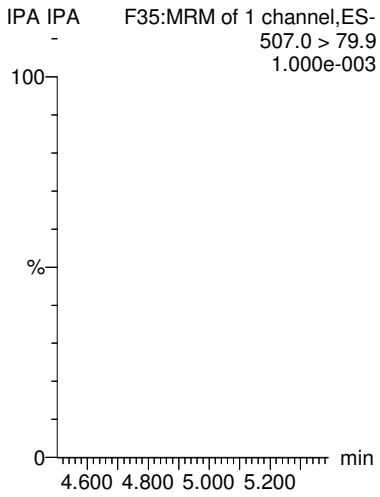
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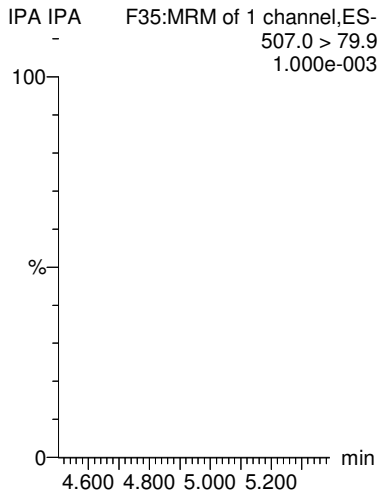
13C8-PFOS



13C8-PFOS



13C8-PFOS

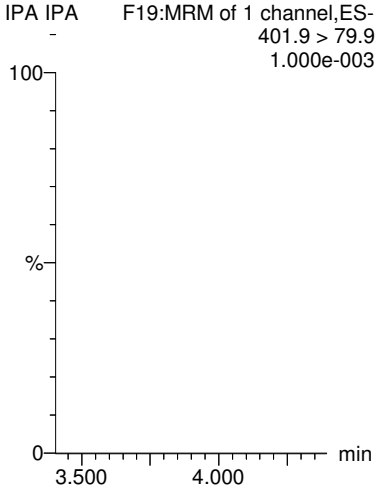


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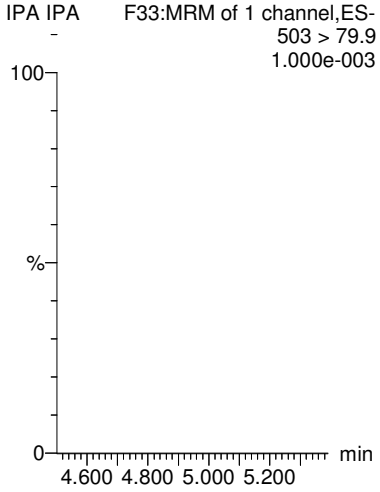
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13C3-PFHxS



13C4-PFOS



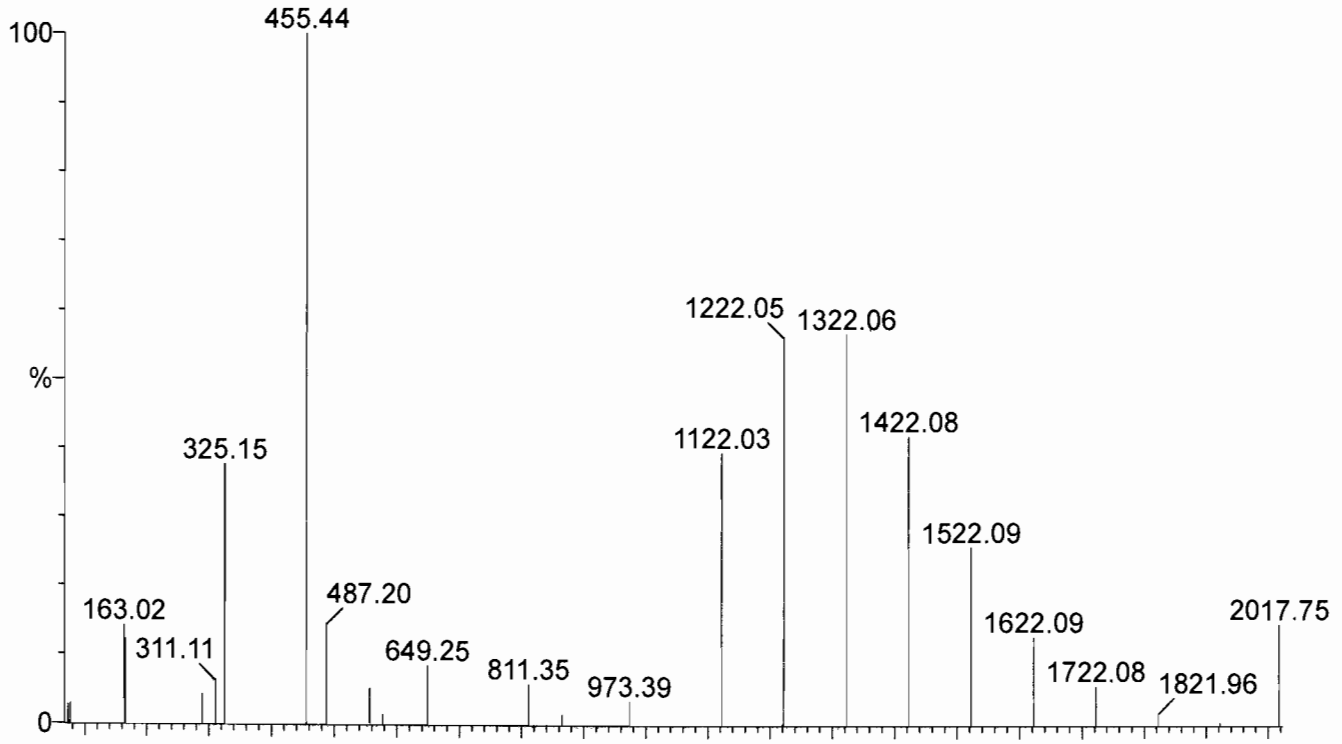
Tune Checks

TUNE CHECK Q4 (M) 07-13-18

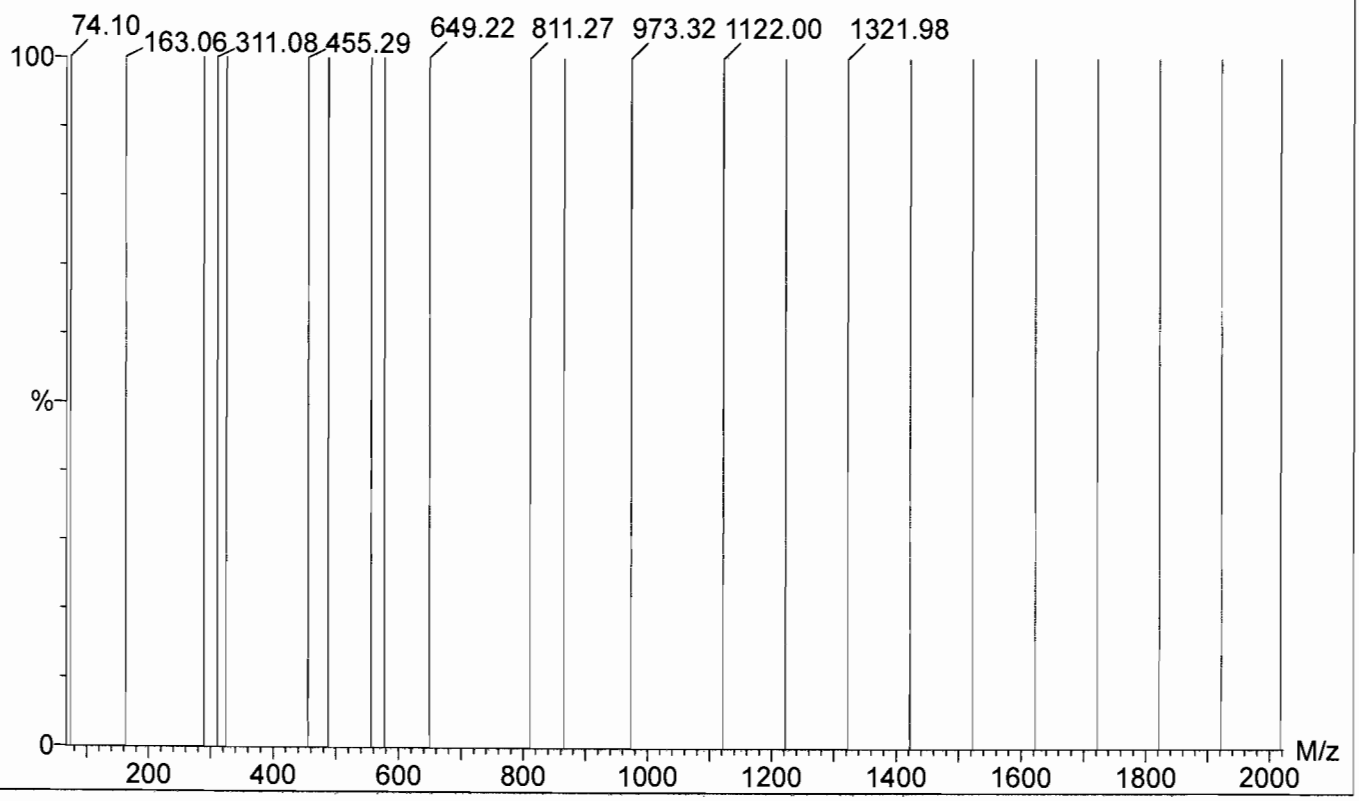
Calibration Verification Report - MS1 Static 20180711 **Page 1 of 6**

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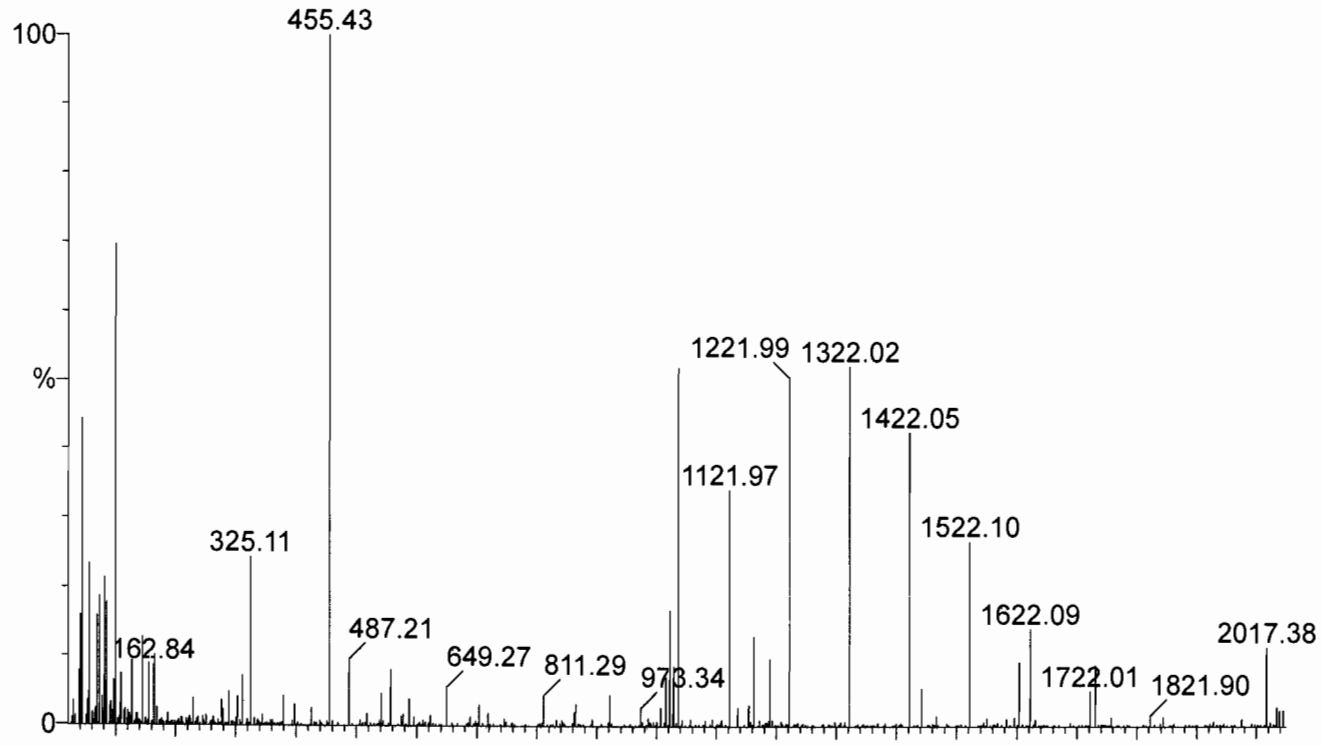
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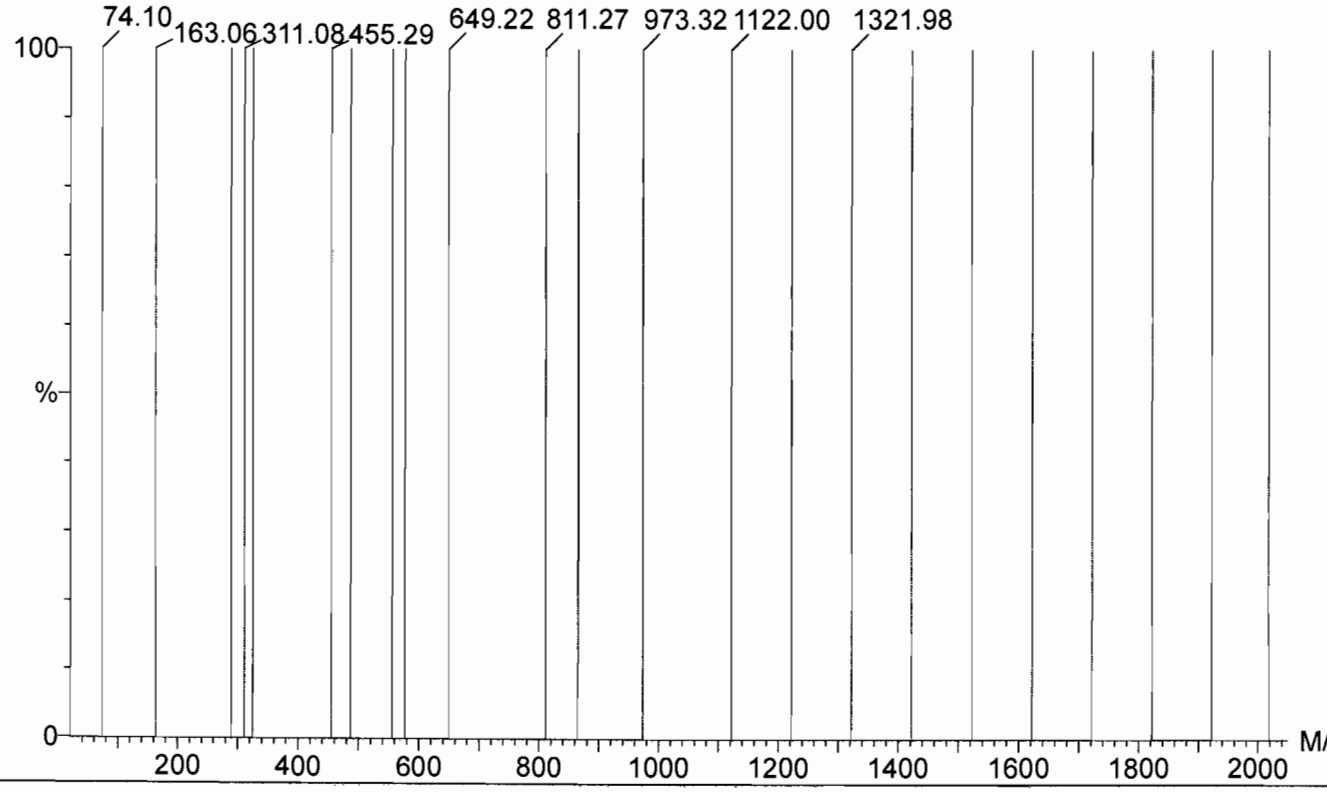
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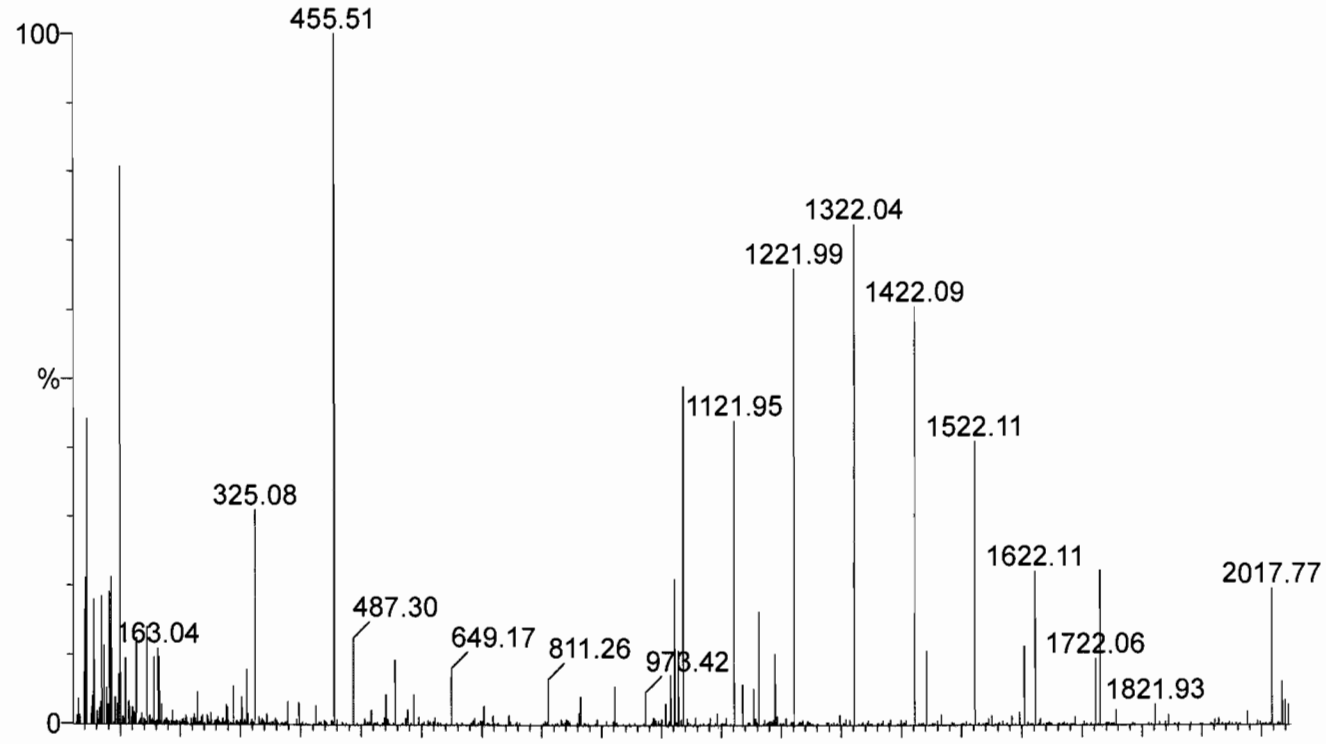
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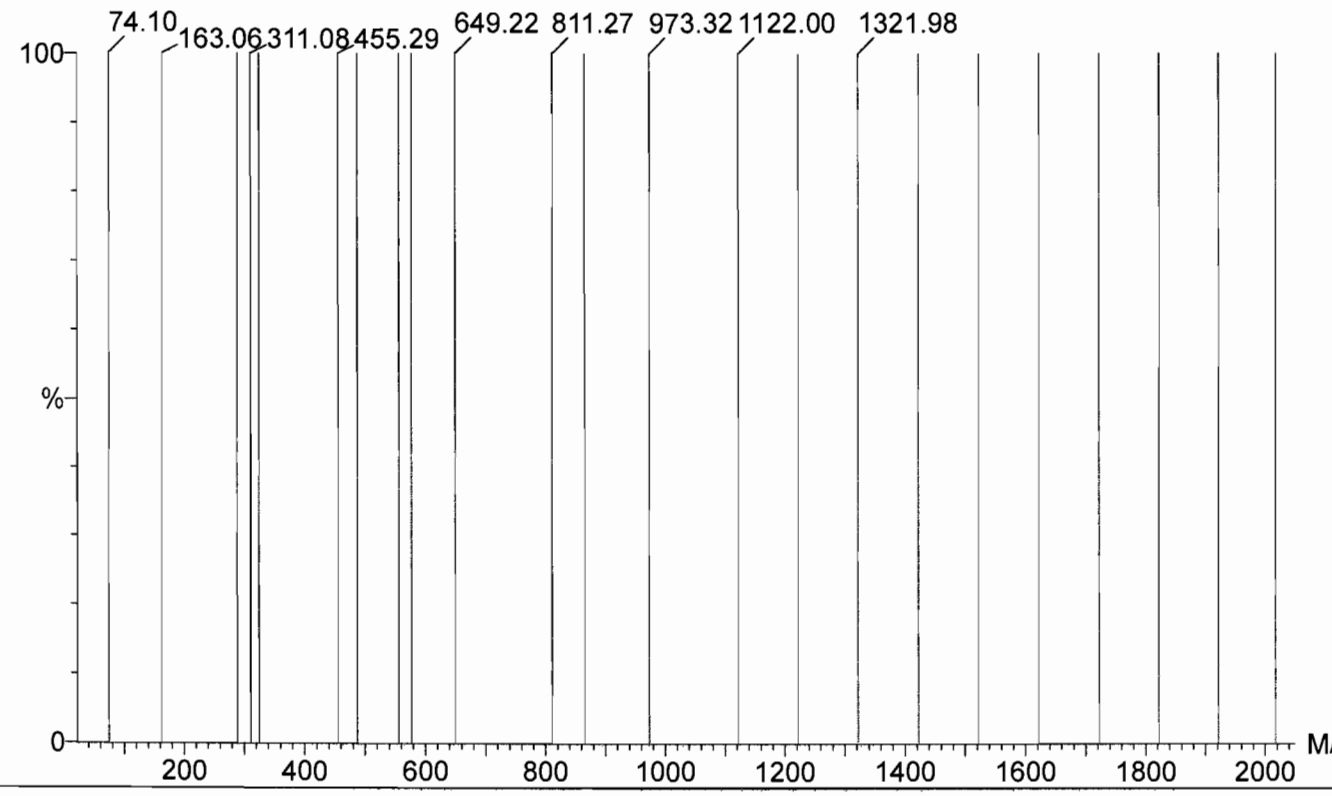
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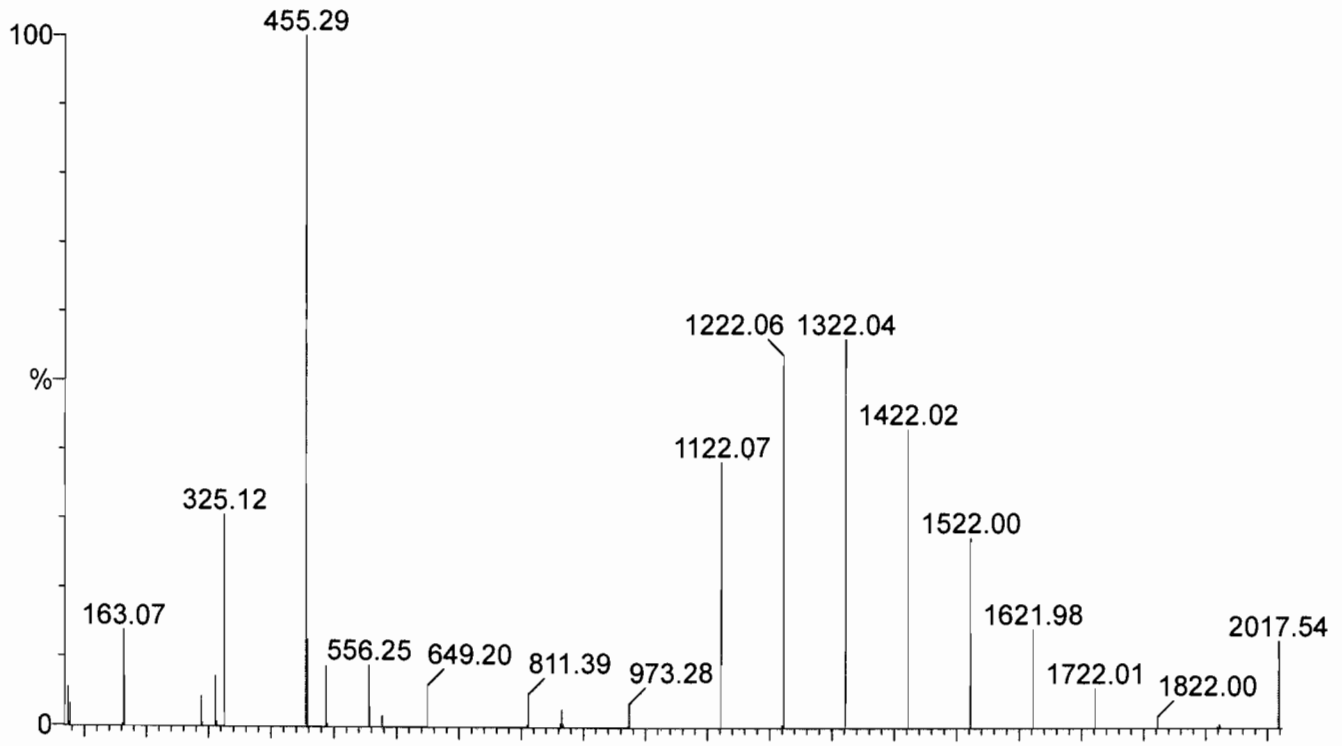
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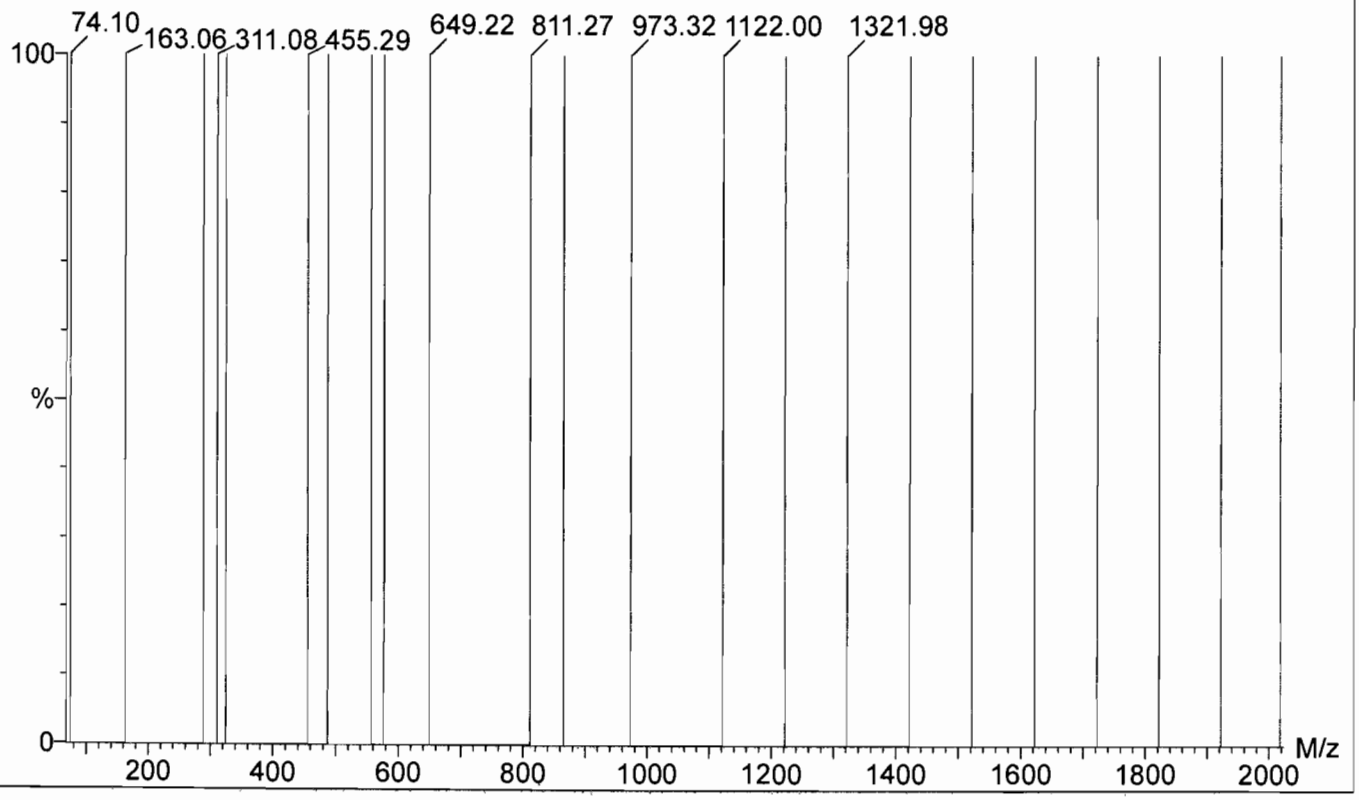
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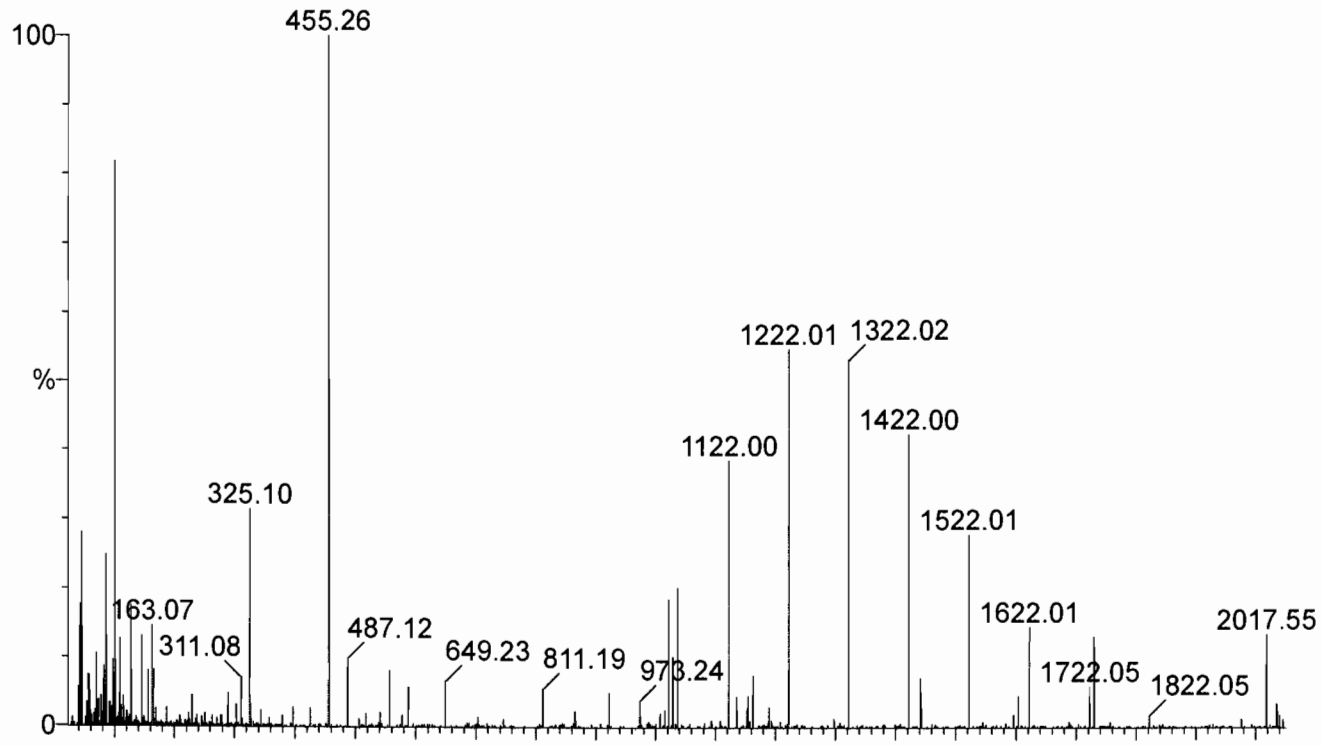
Data file: STATMS2V - Calibrated 23 matches of 23 tested references



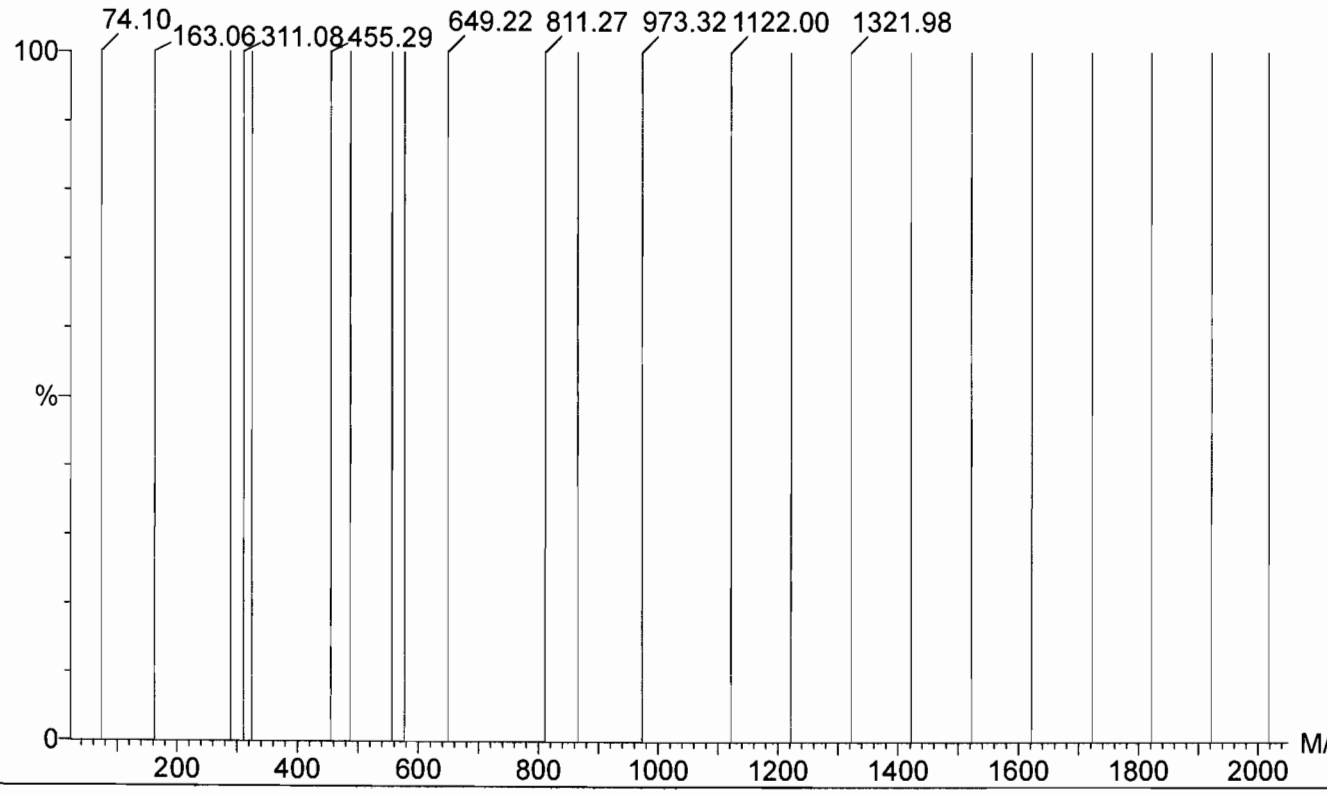
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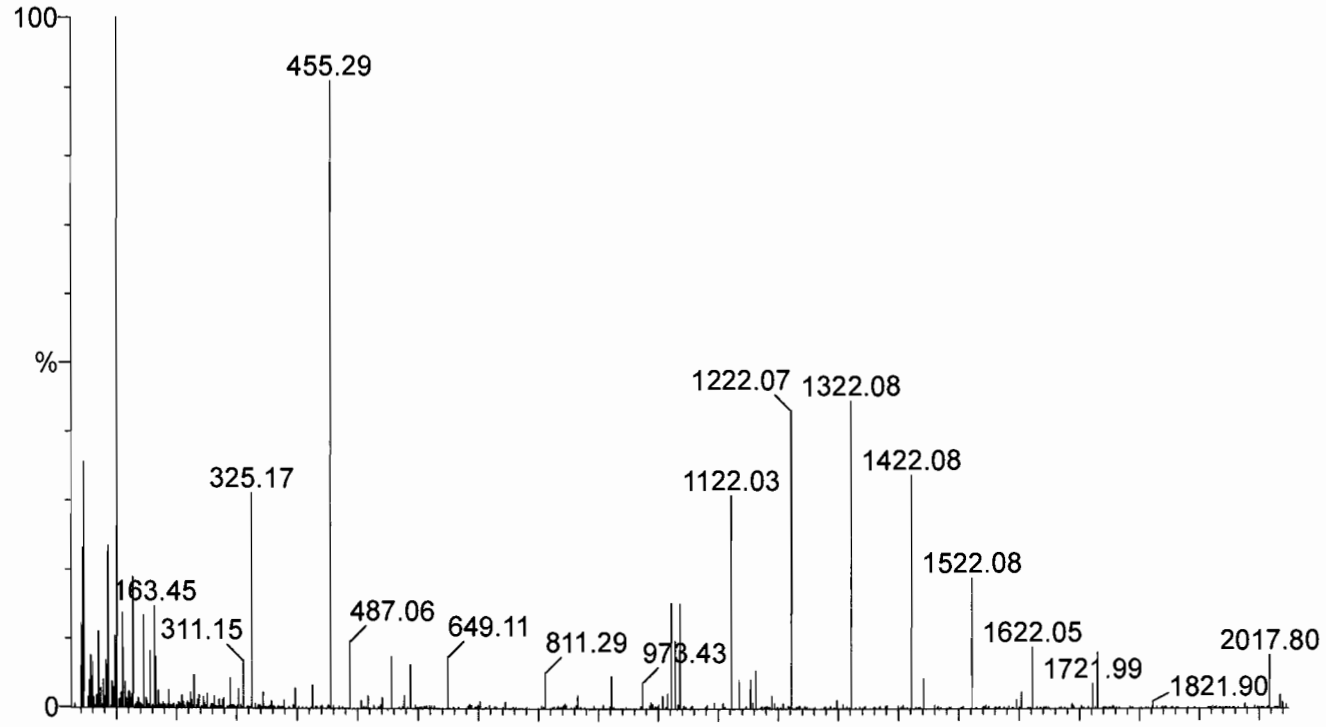
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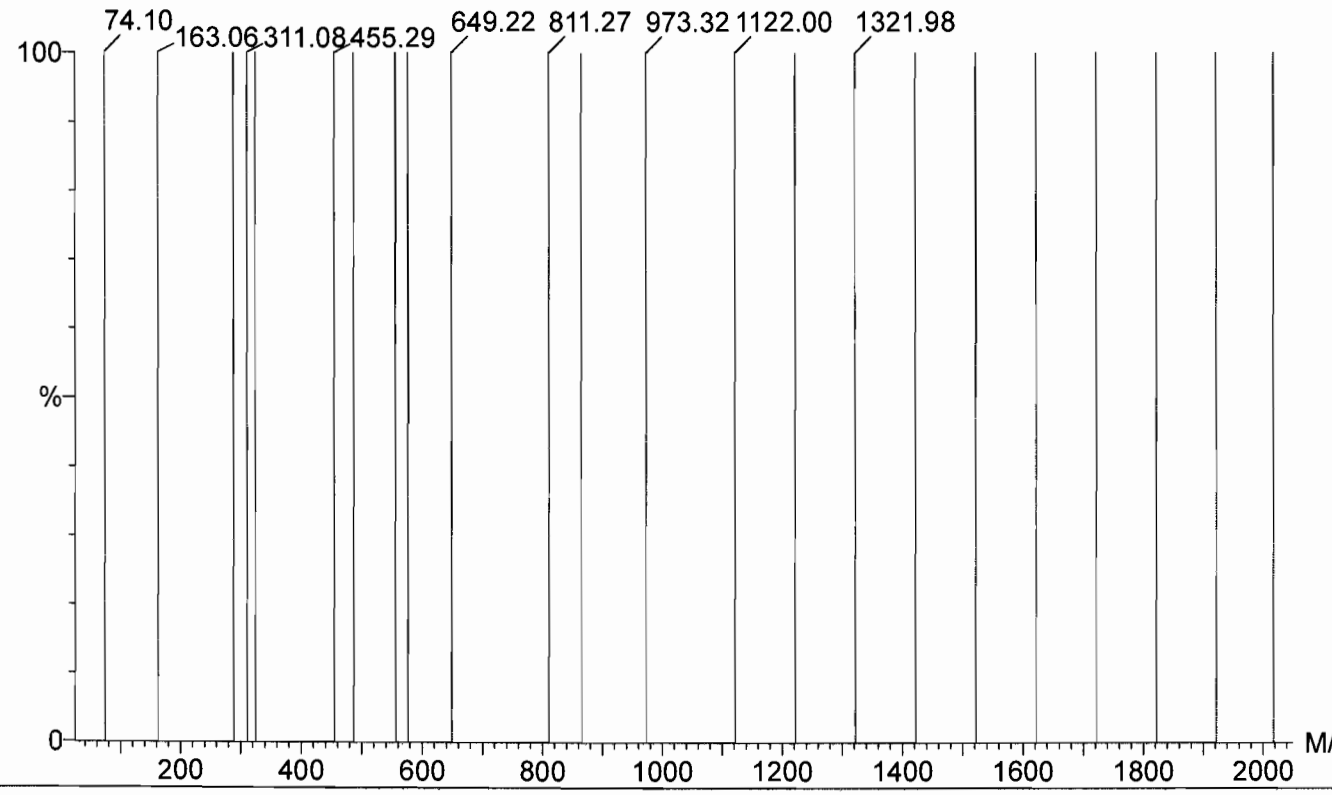
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Data file: FASTMS2V - Calibrated 23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref Mean residual = 0.099 amu



"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","375-22-4","PFBA","1.99","ng/L","J","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","2706-90-3","PFPeA","1.59","ng/L","J","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","375-73-5","PFBS","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","307-24-4","PFHxA","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","375-85-9","PFHpA","1.50","ng/L","J","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","355-46-4","PFHxS","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","27619-97-2","6:2 FTS","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","335-67-1","PFOA","2.68","ng/L","J","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","375-92-8","PFHpS","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","375-95-1","PFNA","2.91","ng/L","J","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","754-91-6","PFOSA","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","1763-23-1","PFOS","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","335-76-2","PFDA","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","39108-34-4","8:2 FTS","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","2355-31-9","MeFOSAA","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","2991-50-6","EtFOSAA","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53","",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","2058-94-8","PFUnA","3.42","ng/L","J","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","335-77-3","PFDS","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","307-55-1","PFDoA","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","72629-94-8","PFTrDA","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","376-06-7","PFTeDA","2.53","ng/L","UU","1.39","LOD","","TRG","","","4.05","LOQ","YES","-99","","0.247","0.001","2.53",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C3-PFBA","13C3-PFBA","90.0","%R","","-99","NA","","IS","90.0","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C3-PFPeA","13C3-PFPeA","93.1","%R","","-99","NA","","IS","93.1","","-99","NA","YES","100","","0.247","0.001","-99",""

"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C3-PFBS","13C3-PFBS","103","%R","","-99","NA","","IS","103","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C2-PFHxA","13C2-PFHxA","90.6","%R","","-99","NA","","IS","90.6","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C4-PFHpA","13C4-PFHpA","89.1","%R","","-99","NA","","IS","89.1","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","18O2-PFHxS","18O2-PFHxS","89.1","%R","","-99","NA","","IS","89.1","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C2-PFOA","13C2-PFOA","78.7","%R","","-99","NA","","IS","78.7","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C5-PFNA","13C5-PFNA","71.9","%R","","-99","NA","","IS","71.9","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C8-PFOSA","13C8-PFOSA","71.8","%R","","-99","NA","","IS","71.8","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C8-PFOS","13C8-PFOS","73.2","%R","","-99","NA","","IS","73.2","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C2-PFDA","13C2-PFDA","74.6","%R","","-99","NA","","IS","74.6","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","d3-MeFOSAA","d3-MeFOSAA","62.9","%R","","-99","NA","","IS","62.9","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","d5-EtFOSAA","d5-EtFOSAA","96.5","%R","","-99","NA","","IS","96.5","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C2-PFUnA","13C2-PFUnA","75.4","%R","","-99","NA","","IS","75.4","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C2-PFDoA","13C2-PFDoA","67.8","%R","","-99","NA","","IS","67.8","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW10-20180626","Modified EPA 537","Initial","1801486-01","Vista","13C2-PFTeDA","13C2-PFTeDA","40.5","%R","H","-99","NA","","IS","40.5","","-99","NA","YES","100","","0.247","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","375-22-4","PFBA","5.44","ng/L","","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","2706-90-3","PFPeA","8.88","ng/L","","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","375-73-5","PFBS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","307-24-4","PFHxA","9.63","ng/L","","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","375-85-9","PFHpA","8.63","ng/L","","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","355-46-4","PFHxS","27.2","ng/L","","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","27619-97-2","6:2 FTS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","335-67-1","PFOA","27.0","ng/L","","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","375-92-8","PFHpS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","375-95-1","PFNA","46.4","ng/L","","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","754-91-6","PFOSA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56","
"
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","1763-23-1","PFOS","16.1","ng/L","","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","335-76-

2","PFDA","2.96","ng/L","J","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","39108-34-4","8:2
FTS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","2355-31-
9","MeFOSAA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.5
6",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","2991-50-
6","EtFOSAA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56
",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","2058-94-
8","PFUnA","11.8","ng/L","","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","335-77-
3","PFDS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","307-55-
1","PFDoA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56","
"
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","72629-94-
8","PFTrDA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",
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"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","376-06-
7","PFTeDA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",
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"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C3-PFBA","13C3-
PFBA","94.8","%R","","-99","NA","","IS","94.8","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C3-PFPeA","13C3-
PFPeA","95.0","%R","","-99","NA","","IS","95.0","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C3-PFBS","13C3-
PFBS","99.7","%R","","-99","NA","","IS","99.7","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C2-PFHxA","13C2-
PFHxA","88.8","%R","","-99","NA","","IS","88.8","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C4-PFHpA","13C4-
PFHpA","94.3","%R","","-99","NA","","IS","94.3","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","18O2-PFHxS","18O2-
PFHxS","84.3","%R","","-99","NA","","IS","84.3","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C2-PFOA","13C2-
PFOA","95.5","%R","","-99","NA","","IS","95.5","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C5-PFNA","13C5-
PFNA","78.6","%R","","-99","NA","","IS","78.6","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C8-PFOSA","13C8-
PFOSA","81.6","%R","","-99","NA","","IS","81.6","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C8-PFOS","13C8-
PFOS","77.3","%R","","-99","NA","","IS","77.3","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C2-PFDA","13C2-
PFDA","84.3","%R","","-99","NA","","IS","84.3","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","d3-MeFOSAA","d3-
MeFOSAA","95.3","%R","","-99","NA","","IS","95.3","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","d5-EtFOSAA","d5-
EtFOSAA","87.9","%R","","-99","NA","","IS","87.9","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C2-PFUnA","13C2-
PFUnA","85.4","%R","","-99","NA","","IS","85.4","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C2-PFDoA","13C2-
PFDoA","91.7","%R","","-99","NA","","IS","91.7","","-99","NA","YES","100","","0.244","0.001","-99",""
"FT-SW12-20180626","Modified EPA 537","Initial","1801486-02","Vista","13C2-PFTeDA","13C2-
PFTeDA","66.2","%R","","-99","NA","","IS","66.2","","-99","NA","YES","100","","0.244","0.001","-99",""

"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","375-22-4","PFBA","4.57","ng/L","","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","2706-90-3","PFPeA","8.12","ng/L","","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","375-73-5","PFBS","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","307-24-4","PFHxA","7.75","ng/L","","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","375-85-9","PFHpA","7.34","ng/L","","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","355-46-4","PFHxS","17.2","ng/L","","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","27619-97-2","6:2 FTS","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","335-67-1","PFOA","21.5","ng/L","","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","375-92-8","PFHpS","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","375-95-1","PFNA","39.3","ng/L","","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","754-91-6","PFOSA","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","1763-23-1","PFOS","12.6","ng/L","","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","335-76-2","PFDA","1.41","ng/L","J","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","39108-34-4","8:2 FTS","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","2355-31-9","MeFOSAA","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","2991-50-6","EtFOSAA","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","2058-94-8","PFUnA","6.06","ng/L","","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","335-77-3","PFDS","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","307-55-1","PFDoA","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","72629-94-8","PFTrDA","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","376-06-7","PFTeDA","2.42","ng/L","UU","1.33","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C3-PFBA","13C3-PFBA","95.8","%R","","-99","NA","","IS","95.8","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C3-PFPeA","13C3-PFPeA","93.1","%R","","-99","NA","","IS","93.1","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C3-PFBS","13C3-PFBS","103","%R","","-99","NA","","IS","103","","-99","NA","YES","100","","0.258","0.001","-99",""

"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C2-PFHxA","13C2-PFHxA","94.6","%R","","-99","NA","","IS","94.6","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C4-PFHpA","13C4-PFHpA","100","%R","","-99","NA","","IS","100","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","18O2-PFHxS","18O2-PFHxS","95.0","%R","","-99","NA","","IS","95.0","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C2-PFOA","13C2-PFOA","91.0","%R","","-99","NA","","IS","91.0","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C5-PFNA","13C5-PFNA","79.6","%R","","-99","NA","","IS","79.6","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C8-PFOSA","13C8-PFOSA","87.4","%R","","-99","NA","","IS","87.4","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C8-PFOS","13C8-PFOS","85.6","%R","","-99","NA","","IS","85.6","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C2-PFDA","13C2-PFDA","71.2","%R","","-99","NA","","IS","71.2","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","d3-MeFOSAA","d3-MeFOSAA","72.5","%R","","-99","NA","","IS","72.5","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","d5-EtFOSAA","d5-EtFOSAA","99.6","%R","","-99","NA","","IS","99.6","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C2-PFUnA","13C2-PFUnA","86.7","%R","","-99","NA","","IS","86.7","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C2-PFDoA","13C2-PFDoA","74.2","%R","","-99","NA","","IS","74.2","","-99","NA","YES","100","","0.258","0.001","-99",""
"FT-SW13-20180626","Modified EPA 537","Initial","1801486-03","Vista","13C2-PFTeDA","13C2-PFTeDA","67.7","%R","","-99","NA","","IS","67.7","","-99","NA","YES","100","","0.258","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","375-22-4","PFBA","3.13","ng/L","J","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","2706-90-3","PFPeA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","375-73-5","PFBS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","307-24-4","PFHxA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56","
"
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","375-85-9","PFHpA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56","
"
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","355-46-4","PFHxS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","27619-97-2","6:2 FTS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","335-67-1","PFOA","3.02","ng/L","J","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","375-92-8","PFHpS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","375-95-1","PFNA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","754-91-6","PFOSA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56","
"
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","1763-23-1","PFOS","1.87","ng/L","J","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","335-76-

2","PFDA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","39108-34-4","8:2
FTS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","2355-31-
9","MeFOSAA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.5
6",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","2991-50-
6","EtFOSAA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56
","",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","2058-94-
8","PFUnA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56","
"
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","335-77-
3","PFDS","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","307-55-
1","PFDoA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56","
"
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","72629-94-
8","PFTrDA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",
""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","376-06-
7","PFTeDA","2.56","ng/L","UU","1.41","LOD","","TRG","","","4.10","LOQ","YES","-99","","0.244","0.001","2.56",
""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C3-PFBA","13C3-
PFBA","91.9","%R","","-99","NA","","IS","91.9","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C3-PFPeA","13C3-
PFPeA","92.5","%R","","-99","NA","","IS","92.5","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C3-PFBS","13C3-
PFBS","98.9","%R","","-99","NA","","IS","98.9","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C2-PFHxA","13C2-
PFHxA","89.6","%R","","-99","NA","","IS","89.6","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C4-PFHpA","13C4-
PFHpA","99.1","%R","","-99","NA","","IS","99.1","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","18O2-PFHxS","18O2-
PFHxS","93.2","%R","","-99","NA","","IS","93.2","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C2-PFOA","13C2-
PFOA","82.2","%R","","-99","NA","","IS","82.2","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C5-PFNA","13C5-
PFNA","86.6","%R","","-99","NA","","IS","86.6","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C8-PFOSA","13C8-
PFOSA","93.9","%R","","-99","NA","","IS","93.9","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C8-PFOS","13C8-
PFOS","88.1","%R","","-99","NA","","IS","88.1","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C2-PFDA","13C2-
PFDA","94.2","%R","","-99","NA","","IS","94.2","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","d3-MeFOSAA","d3-
MeFOSAA","97.9","%R","","-99","NA","","IS","97.9","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","d5-EtFOSAA","d5-
EtFOSAA","113","%R","","-99","NA","","IS","113","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C2-PFUnA","13C2-
PFUnA","88.2","%R","","-99","NA","","IS","88.2","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C2-PFDoA","13C2-
PFDoA","96.2","%R","","-99","NA","","IS","96.2","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP01-20180626","Modified EPA 537","Initial","1801486-04","Vista","13C2-PFTeDA","13C2-

PFTeDA","103","%R","","-99","NA","","IS","103","","-99","NA","YES","100","","0.244","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","375-22-
4","PFBA","3.13","ng/L","J","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","2706-90-
3","PFPeA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","375-73-
5","PFBS","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","307-24-
4","PFHxA","1.56","ng/L","J","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","375-85-
9","PFHpA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60","
"
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","355-46-
4","PFHxS","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","27619-97-2","6:2
FTS","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","335-67-
1","PFOA","1.49","ng/L","J","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","375-92-
8","PFHpS","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","375-95-
1","PFNA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","754-91-
6","PFOSA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60","
"
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","1763-23-
1","PFOS","2.67","ng/L","J","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","335-76-
2","PFDA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","39108-34-4","8:2
FTS","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","2355-31-
9","MeFOSAA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.6
0",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","2991-50-
6","EtFOSAA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60
",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","2058-94-
8","PFUnA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60","
"
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","335-77-
3","PFDS","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","307-55-
1","PFDoA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60","
"
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","72629-94-
8","PFTrDA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",
""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","376-06-
7","PFTeDA","2.60","ng/L","UU","1.43","LOD","","TRG","","","4.17","LOQ","YES","-99","","0.240","0.001","2.60",
""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C3-PFBA","13C3-
PFBA","96.2","%R","","-99","NA","","IS","96.2","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C3-PFPeA","13C3-

PFPeA","96.7","%R","","-99","NA","","IS","96.7","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C3-PFBS","13C3-
PFBS","102","%R","","-99","NA","","IS","102","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C2-PFHxA","13C2-
PFHxA","94.4","%R","","-99","NA","","IS","94.4","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C4-PFHpA","13C4-
PFHpA","97.1","%R","","-99","NA","","IS","97.1","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","18O2-PFHxS","18O2-
PFHxS","98.5","%R","","-99","NA","","IS","98.5","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C2-PFOA","13C2-
PFOA","85.4","%R","","-99","NA","","IS","85.4","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C5-PFNA","13C5-
PFNA","84.9","%R","","-99","NA","","IS","84.9","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C8-PFOSA","13C8-
PFOSA","82.8","%R","","-99","NA","","IS","82.8","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C8-PFOS","13C8-
PFOS","81.8","%R","","-99","NA","","IS","81.8","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C2-PFDA","13C2-
PFDA","72.8","%R","","-99","NA","","IS","72.8","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","d3-MeFOSAA","d3-
MeFOSAA","114","%R","","-99","NA","","IS","114","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","d5-EtFOSAA","d5-
EtFOSAA","117","%R","","-99","NA","","IS","117","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C2-PFUnA","13C2-
PFUnA","90.0","%R","","-99","NA","","IS","90.0","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C2-PFDoA","13C2-
PFDoA","92.9","%R","","-99","NA","","IS","92.9","","-99","NA","YES","100","","0.240","0.001","-99",""
"SW-DP02-20180626","Modified EPA 537","Initial","1801486-05","Vista","13C2-PFTeDA","13C2-
PFTeDA","108","%R","","-99","NA","","IS","108","","-99","NA","YES","100","","0.240","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","375-22-
4","PFBA","3.69","ng/L","J","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","2706-90-
3","PFPeA","3.40","ng/L","J","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","375-73-
5","PFBS","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","307-24-
4","PFHxA","3.33","ng/L","J","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","375-85-
9","PFHpA","2.95","ng/L","J","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","355-46-
4","PFHxS","3.28","ng/L","J","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","27619-97-2","6:2
FTS","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","335-67-
1","PFOA","6.79","ng/L","","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","375-92-
8","PFHpS","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","375-95-
1","PFNA","20.4","ng/L","","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","754-91-
6","PFOSA","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47","
"
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","1763-23-
1","PFOS","3.23","ng/L","J","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""

"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","335-76-2","PFDA","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","39108-34-4","8:2 FTS","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","2355-31-9","MeFOSAA","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","2991-50-6","EtFOSAA","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","2058-94-8","PFUnA","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","335-77-3","PFDS","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","307-55-1","PFDoA","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","72629-94-8","PFTrDA","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","376-06-7","PFTeDA","2.47","ng/L","UU","1.35","LOD","","TRG","","","3.95","LOQ","YES","-99","","0.253","0.001","2.47",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C3-PFBA","13C3-PFBA","93.1","%R","","-99","NA","","IS","93.1","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C3-PFPeA","13C3-PFPeA","90.2","%R","","-99","NA","","IS","90.2","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C3-PFBS","13C3-PFBS","97.9","%R","","-99","NA","","IS","97.9","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C2-PFHxA","13C2-PFHxA","90.1","%R","","-99","NA","","IS","90.1","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C4-PFHpA","13C4-PFHpA","94.3","%R","","-99","NA","","IS","94.3","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","18O2-PFHxS","18O2-PFHxS","86.7","%R","","-99","NA","","IS","86.7","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C2-PFOA","13C2-PFOA","87.7","%R","","-99","NA","","IS","87.7","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C5-PFNA","13C5-PFNA","83.4","%R","","-99","NA","","IS","83.4","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C8-PFOSA","13C8-PFOSA","77.0","%R","","-99","NA","","IS","77.0","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C8-PFOS","13C8-PFOS","87.1","%R","","-99","NA","","IS","87.1","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C2-PFDA","13C2-PFDA","79.2","%R","","-99","NA","","IS","79.2","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","d3-MeFOSAA","d3-MeFOSAA","75.8","%R","","-99","NA","","IS","75.8","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","d5-EtFOSAA","d5-EtFOSAA","99.2","%R","","-99","NA","","IS","99.2","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C2-PFUnA","13C2-PFUnA","82.7","%R","","-99","NA","","IS","82.7","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C2-PFDoA","13C2-PFDoA","78.9","%R","","-99","NA","","IS","78.9","","-99","NA","YES","100","","0.253","0.001","-99",""

"SA-SW201-20180626","Modified EPA 537","Initial","1801486-06","Vista","13C2-PFTeDA","13C2-PFTeDA","87.7","%R","","-99","NA","","IS","87.7","","-99","NA","YES","100","","0.253","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","375-22-4","PFBA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","2706-90-3","PFPeA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","375-73-5","PFBS","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","307-24-4","PFHxA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38","
"
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","375-85-9","PFHpA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38","
"
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","355-46-4","PFHxS","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","27619-97-2","6:2 FTS","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","335-67-1","PFOA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","375-92-8","PFHpS","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","375-95-1","PFNA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","754-91-6","PFOSA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38","
"
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","1763-23-1","PFOS","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","335-76-2","PFDA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","39108-34-4","8:2 FTS","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","2355-31-9","MeFOSAA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","2991-50-6","EtFOSAA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38","
,""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","2058-94-8","PFUnA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38","
"
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","335-77-3","PFDS","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","307-55-1","PFDoA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38","
"
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","72629-94-8","PFTrDA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",
""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","376-06-7","PFTeDA","2.38","ng/L","UU","1.30","LOD","","TRG","","","3.80","LOQ","YES","-99","","0.263","0.001","2.38",
""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C3-PFBA","13C3-

PFBA","99.3","%R","","-99","NA","","IS","99.3","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C3-PFPeA","13C3-
PFPeA","101","%R","","-99","NA","","IS","101","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C3-PFBS","13C3-
PFBS","104","%R","","-99","NA","","IS","104","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C2-PFHxA","13C2-
PFHxA","103","%R","","-99","NA","","IS","103","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C4-PFHpA","13C4-
PFHpA","108","%R","","-99","NA","","IS","108","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","18O2-PFHxS","18O2-
PFHxS","99.1","%R","","-99","NA","","IS","99.1","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C2-PFOA","13C2-
PFOA","91.4","%R","","-99","NA","","IS","91.4","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C5-PFNA","13C5-
PFNA","79.3","%R","","-99","NA","","IS","79.3","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C8-PFOSA","13C8-
PFOSA","56.4","%R","","-99","NA","","IS","56.4","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C8-PFOS","13C8-
PFOS","87.9","%R","","-99","NA","","IS","87.9","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C2-PFDA","13C2-
PFDA","84.5","%R","","-99","NA","","IS","84.5","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","d3-MeFOSAA","d3-
MeFOSAA","76.5","%R","","-99","NA","","IS","76.5","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","d5-EtFOSAA","d5-
EtFOSAA","77.3","%R","","-99","NA","","IS","77.3","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C2-PFUnA","13C2-
PFUnA","69.6","%R","","-99","NA","","IS","69.6","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C2-PFDoA","13C2-
PFDoA","80.8","%R","","-99","NA","","IS","80.8","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW201-FRB-20180626","Modified EPA 537","Initial","1801486-07","Vista","13C2-PFTeDA","13C2-
PFTeDA","81.4","%R","","-99","NA","","IS","81.4","","-99","NA","YES","100","","0.263","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","375-22-
4","PFBA","4.59","ng/L","","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","2706-90-
3","PFPeA","7.72","ng/L","","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","375-73-
5","PFBS","2.52","ng/L","UU","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","307-24-
4","PFHxA","6.77","ng/L","","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","375-85-
9","PFHpA","6.18","ng/L","","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","355-46-
4","PFHxS","5.96","ng/L","","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","27619-97-2","6:2
FTS","6.97","ng/L","","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","335-67-
1","PFOA","8.07","ng/L","","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","375-92-
8","PFHpS","2.52","ng/L","UU","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","375-95-
1","PFNA","111","ng/L","","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","754-91-
6","PFOSA","2.52","ng/L","UU","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52","
"

"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","1763-23-1","PFOS","14.2","ng/L","","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","335-76-2","PFDA","2.79","ng/L","J","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","39108-34-4","8:2 FTS","2.52","ng/L","UU","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","2355-31-9","MeFOSAA","2.52","ng/L","UU","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","2991-50-6","EtFOSAA","2.52","ng/L","UU","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","2058-94-8","PFUnA","8.17","ng/L","","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","335-77-3","PFDS","2.52","ng/L","UU","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","307-55-1","PFDoA","2.52","ng/L","UU","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","72629-94-8","PFTrDA","2.52","ng/L","UU","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","376-06-7","PFTeDA","2.52","ng/L","UU","1.38","LOD","","TRG","","","4.04","LOQ","YES","-99","","0.248","0.001","2.52",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C3-PFBA","13C3-PFBA","96.1","%R","","-99","NA","","IS","96.1","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C3-PFPeA","13C3-PFPeA","97.0","%R","","-99","NA","","IS","97.0","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C3-PFBS","13C3-PFBS","109","%R","","-99","NA","","IS","109","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C2-PFHxA","13C2-PFHxA","87.7","%R","","-99","NA","","IS","87.7","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C4-PFHpA","13C4-PFHpA","101","%R","","-99","NA","","IS","101","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","18O2-PFHxS","18O2-PFHxS","99.2","%R","","-99","NA","","IS","99.2","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C2-PFOA","13C2-PFOA","89.5","%R","","-99","NA","","IS","89.5","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C5-PFNA","13C5-PFNA","85.5","%R","","-99","NA","","IS","85.5","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C8-PFOSA","13C8-PFOSA","80.5","%R","","-99","NA","","IS","80.5","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C8-PFOS","13C8-PFOS","97.9","%R","","-99","NA","","IS","97.9","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C2-PFDA","13C2-PFDA","77.7","%R","","-99","NA","","IS","77.7","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","d3-MeFOSAA","d3-MeFOSAA","72.7","%R","","-99","NA","","IS","72.7","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","d5-EtFOSAA","d5-EtFOSAA","85.0","%R","","-99","NA","","IS","85.0","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C2-PFUnA","13C2-PFUnA","84.4","%R","","-99","NA","","IS","84.4","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C2-PFDoA","13C2-

PFDoA","78.6","%R","","-99","NA","","IS","78.6","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW204-20180626","Modified EPA 537","Initial","1801486-08","Vista","13C2-PFTeDA","13C2-
PFTeDA","96.2","%R","","-99","NA","","IS","96.2","","-99","NA","YES","100","","0.248","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","375-22-
4","PFBA","3.12","ng/L","J","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","2706-90-
3","PFPeA","1.74","ng/L","J","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","375-73-
5","PFBS","2.48","ng/L","UU","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","307-24-
4","PFHxA","1.71","ng/L","J","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","375-85-
9","PFHpA","2.81","ng/L","J","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","355-46-
4","PFHxS","2.48","ng/L","UU","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","27619-97-2","6:2
FTS","2.48","ng/L","UU","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","335-67-
1","PFOA","5.83","ng/L","","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","375-92-
8","PFHpS","2.48","ng/L","UU","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","375-95-
1","PFNA","53.2","ng/L","","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","754-91-
6","PFOSA","2.48","ng/L","UU","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48","
"
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","1763-23-
1","PFOS","3.56","ng/L","J","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","335-76-
2","PFDA","30.2","ng/L","","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","39108-34-4","8:2
FTS","2.48","ng/L","UU","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","2355-31-
9","MeFOSAA","2.48","ng/L","UU","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.4
8",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","2991-50-
6","EtFOSAA","2.48","ng/L","UU","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48
",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","2058-94-
8","PFUnA","63.3","ng/L","","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","335-77-
3","PFDS","2.48","ng/L","UU","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","307-55-
1","PFDoA","2.62","ng/L","J","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","72629-94-
8","PFTrDA","4.20","ng/L","","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","376-06-
7","PFTeDA","2.48","ng/L","UU","1.36","LOD","","TRG","","","3.96","LOQ","YES","-99","","0.252","0.001","2.48",
""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C3-PFBA","13C3-
PFBA","94.9","%R","","-99","NA","","IS","94.9","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C3-PFPeA","13C3-
PFPeA","94.2","%R","","-99","NA","","IS","94.2","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C3-PFBS","13C3-

PFBS","99.7","%R","","-99","NA","","IS","99.7","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C2-PFHxA","13C2-
PFHxA","90.8","%R","","-99","NA","","IS","90.8","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C4-PFHpA","13C4-
PFHpA","92.3","%R","","-99","NA","","IS","92.3","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","18O2-PFHxS","18O2-
PFHxS","108","%R","","-99","NA","","IS","108","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C2-PFOA","13C2-
PFOA","87.7","%R","","-99","NA","","IS","87.7","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C5-PFNA","13C5-
PFNA","80.5","%R","","-99","NA","","IS","80.5","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C8-PFOSA","13C8-
PFOSA","80.5","%R","","-99","NA","","IS","80.5","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C8-PFOS","13C8-
PFOS","90.9","%R","","-99","NA","","IS","90.9","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C2-PFDA","13C2-
PFDA","82.6","%R","","-99","NA","","IS","82.6","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","d3-MeFOSAA","d3-
MeFOSAA","82.9","%R","","-99","NA","","IS","82.9","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","d5-EtFOSAA","d5-
EtFOSAA","94.7","%R","","-99","NA","","IS","94.7","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C2-PFUnA","13C2-
PFUnA","81.7","%R","","-99","NA","","IS","81.7","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C2-PFDoA","13C2-
PFDoA","93.5","%R","","-99","NA","","IS","93.5","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-SW301-20180626","Modified EPA 537","Initial","1801486-09","Vista","13C2-PFTeDA","13C2-
PFTeDA","81.3","%R","","-99","NA","","IS","81.3","","-99","NA","YES","100","","0.252","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","375-22-
4","PFBA","2.98","ng/L","J","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","2706-90-
3","PFPeA","1.56","ng/L","J","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","375-73-
5","PFBS","2.54","ng/L","UU","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","307-24-
4","PFHxA","1.78","ng/L","J","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","375-85-
9","PFHpA","2.42","ng/L","J","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","355-46-
4","PFHxS","2.54","ng/L","UU","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","27619-97-2","6:2
FTS","2.54","ng/L","UU","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","335-67-
1","PFOA","6.46","ng/L","","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","375-92-
8","PFHpS","2.54","ng/L","UU","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","375-95-
1","PFNA","56.6","ng/L","","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","754-91-
6","PFOSA","2.54","ng/L","UU","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54","
"
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","1763-23-
1","PFOS","2.93","ng/L","J","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","335-76-
2","PFDA","28.2","ng/L","","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""

"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","39108-34-4","8:2 FTS","2.54","ng/L","UU","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","2355-31-9","MeFOSAA","2.54","ng/L","UU","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","2991-50-6","EtFOSAA","2.54","ng/L","UU","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","2058-94-8","PFUnA","70.2","ng/L","","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","335-77-3","PFDS","2.54","ng/L","UU","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","307-55-1","PFDoA","2.60","ng/L","J","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","72629-94-8","PFTrDA","3.84","ng/L","J","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","376-06-7","PFTeDA","2.54","ng/L","UU","1.39","LOD","","TRG","","","4.07","LOQ","YES","-99","","0.246","0.001","2.54",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C3-PFBA","13C3-PFBA","91.6","%R","","-99","NA","","IS","91.6","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C3-PFPeA","13C3-PFPeA","90.3","%R","","-99","NA","","IS","90.3","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C3-PFBS","13C3-PFBS","98.4","%R","","-99","NA","","IS","98.4","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C2-PFHxA","13C2-PFHxA","90.2","%R","","-99","NA","","IS","90.2","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C4-PFHpA","13C4-PFHpA","92.8","%R","","-99","NA","","IS","92.8","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","18O2-PFHxS","18O2-PFHxS","89.4","%R","","-99","NA","","IS","89.4","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C2-PFOA","13C2-PFOA","84.1","%R","","-99","NA","","IS","84.1","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C5-PFNA","13C5-PFNA","74.4","%R","","-99","NA","","IS","74.4","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C8-PFOSA","13C8-PFOSA","80.4","%R","","-99","NA","","IS","80.4","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C8-PFOS","13C8-PFOS","81.6","%R","","-99","NA","","IS","81.6","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C2-PFDA","13C2-PFDA","75.4","%R","","-99","NA","","IS","75.4","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","d3-MeFOSAA","d3-MeFOSAA","91.5","%R","","-99","NA","","IS","91.5","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","d5-EtFOSAA","d5-EtFOSAA","97.2","%R","","-99","NA","","IS","97.2","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C2-PFUnA","13C2-PFUnA","78.9","%R","","-99","NA","","IS","78.9","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C2-PFDoA","13C2-PFDoA","78.9","%R","","-99","NA","","IS","78.9","","-99","NA","YES","100","","0.246","0.001","-99",""
"SA-DUP01-20180626","Modified EPA 537","Initial","1801486-10","Vista","13C2-PFTeDA","13C2-PFTeDA","94.5","%R","","-99","NA","","IS","94.5","","-99","NA","YES","100","","0.246","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","375-22-4","PFBA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","2706-90-

3","PFPeA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","375-73-
5","PFBS","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","307-24-
4","PFHxA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46","
"
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","375-85-
9","PFHpA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46","
"
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","355-46-
4","PFHxS","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","27619-97-2","6:2
FTS","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","335-67-
1","PFOA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","375-92-
8","PFHpS","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","375-95-
1","PFNA","2.01","ng/L","J","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","754-91-
6","PFOSA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46","
"
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","1763-23-
1","PFOS","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","335-76-
2","PFDA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","39108-34-4","8:2
FTS","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","2355-31-
9","MeFOSAA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.4
6",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","2991-50-
6","EtFOSAA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46
","",
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","2058-94-
8","PFUnA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46","
"
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","335-77-
3","PFDS","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","307-55-
1","PFDoA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46","
"
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","72629-94-
8","PFTrDA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",
""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","376-06-
7","PFTeDA","2.46","ng/L","UU","1.35","LOD","","TRG","","","3.94","LOQ","YES","-99","","0.254","0.001","2.46",
""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C3-PFBA","13C3-
PFBA","97.9","%R","","-99","NA","","IS","97.9","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C3-PFPeA","13C3-
PFPeA","93.5","%R","","-99","NA","","IS","93.5","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C3-PFBS","13C3-
PFBS","103","%R","","-99","NA","","IS","103","","-99","NA","YES","100","","0.254","0.001","-99",""

"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C2-PFHxA","13C2-PFHxA","91.8","%R","","-99","NA","","IS","91.8","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C4-PFHpA","13C4-PFHpA","94.9","%R","","-99","NA","","IS","94.9","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","18O2-PFHxS","18O2-PFHxS","109","%R","","-99","NA","","IS","109","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C2-PFOA","13C2-PFOA","88.9","%R","","-99","NA","","IS","88.9","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C5-PFNA","13C5-PFNA","89.6","%R","","-99","NA","","IS","89.6","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C8-PFOSA","13C8-PFOSA","75.8","%R","","-99","NA","","IS","75.8","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C8-PFOS","13C8-PFOS","87.1","%R","","-99","NA","","IS","87.1","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C2-PFDA","13C2-PFDA","82.6","%R","","-99","NA","","IS","82.6","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","d3-MeFOSAA","d3-MeFOSAA","92.4","%R","","-99","NA","","IS","92.4","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","d5-EtFOSAA","d5-EtFOSAA","89.4","%R","","-99","NA","","IS","89.4","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C2-PFUnA","13C2-PFUnA","87.5","%R","","-99","NA","","IS","87.5","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C2-PFDoA","13C2-PFDoA","94.5","%R","","-99","NA","","IS","94.5","","-99","NA","YES","100","","0.254","0.001","-99",""
"CA-AQIDW01-20180626","Modified EPA 537","Initial","1801486-11","Vista","13C2-PFTeDA","13C2-PFTeDA","88.1","%R","","-99","NA","","IS","88.1","","-99","NA","YES","100","","0.254","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","375-22-4","PFBA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","2706-90-3","PFPeA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","375-73-5","PFBS","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","307-24-4","PFHxA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50","
"
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","375-85-9","PFHpA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50","
"
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","355-46-4","PFHxS","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","27619-97-2","6:2 FTS","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","335-67-1","PFOA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","375-92-8","PFHpS","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","375-95-1","PFNA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","754-91-6","PFOSA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50","
"
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","1763-23-1","PFOS","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","335-76-

2","PFDA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","39108-34-4","8:2
FTS","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","2355-31-
9","MeFOSAA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.5
0",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","2991-50-
6","EtFOSAA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50
","",
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","2058-94-
8","PFUnA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50","
"
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","335-77-
3","PFDS","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","307-55-
1","PFDoA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50","
"
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","72629-94-
8","PFTrDA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",
""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","376-06-
7","PFTeDA","2.50","ng/L","UU","1.37","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",
""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C3-PFBA","13C3-
PFBA","97.2","%R","","-99","NA","","IS","97.2","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C3-PFPeA","13C3-
PFPeA","99.9","%R","","-99","NA","","IS","99.9","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C3-PFBS","13C3-
PFBS","101","%R","","-99","NA","","IS","101","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C2-PFHxA","13C2-
PFHxA","96.4","%R","","-99","NA","","IS","96.4","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C4-PFHpA","13C4-
PFHpA","103","%R","","-99","NA","","IS","103","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","18O2-PFHxS","18O2-
PFHxS","94.5","%R","","-99","NA","","IS","94.5","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C2-PFOA","13C2-
PFOA","84.8","%R","","-99","NA","","IS","84.8","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C5-PFNA","13C5-
PFNA","82.5","%R","","-99","NA","","IS","82.5","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C8-PFOSA","13C8-
PFOSA","64.3","%R","","-99","NA","","IS","64.3","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C8-PFOS","13C8-
PFOS","87.7","%R","","-99","NA","","IS","87.7","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C2-PFDA","13C2-
PFDA","74.6","%R","","-99","NA","","IS","74.6","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","d3-MeFOSAA","d3-
MeFOSAA","94.1","%R","","-99","NA","","IS","94.1","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","d5-EtFOSAA","d5-
EtFOSAA","101","%R","","-99","NA","","IS","101","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C2-PFUnA","13C2-
PFUnA","76.7","%R","","-99","NA","","IS","76.7","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C2-PFDoA","13C2-
PFDoA","77.4","%R","","-99","NA","","IS","77.4","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BLK1","Modified EPA 537","Initial","B8G0006-BLK1","Vista","13C2-PFTeDA","13C2-

PFTeDA","91.1","%R","","-99","NA","","IS","91.1","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","375-22-
4","PFBA","33.2","ng/L","","1.37","LOD","","TRG","83.0","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50","
"
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","2706-90-
3","PFPeA","34.0","ng/L","","1.37","LOD","","TRG","84.9","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","375-73-
5","PFBS","34.8","ng/L","","1.37","LOD","","TRG","87.1","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50","
"
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","307-24-
4","PFHxA","33.3","ng/L","","1.37","LOD","","TRG","83.1","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","375-85-
9","PFHpA","34.1","ng/L","","1.37","LOD","","TRG","85.2","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","355-46-
4","PFHxS","32.2","ng/L","","1.37","LOD","","TRG","80.5","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","27619-97-2","6:2
FTS","33.3","ng/L","","1.37","LOD","","TRG","83.3","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","335-67-
1","PFOA","34.3","ng/L","","1.37","LOD","","TRG","85.8","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50","
"
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","375-92-
8","PFHpS","39.1","ng/L","","1.37","LOD","","TRG","97.8","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","375-95-
1","PFNA","32.0","ng/L","","1.37","LOD","","TRG","80.0","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50","
"
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","754-91-
6","PFOSA","32.0","ng/L","","1.37","LOD","","TRG","80.0","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50"
,""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","1763-23-
1","PFOS","33.4","ng/L","","1.37","LOD","","TRG","83.6","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50","
"
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","335-76-
2","PFDA","32.4","ng/L","","1.37","LOD","","TRG","81.1","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50","
"
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","39108-34-4","8:2
FTS","43.4","ng/L","","1.37","LOD","","TRG","109","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","2355-31-
9","MeFOSAA","36.2","ng/L","","1.37","LOD","","TRG","90.5","","4.00","LOQ","YES","40.0","","0.250","0.001","2.
50",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","2991-50-
6","EtFOSAA","30.7","ng/L","","1.37","LOD","","TRG","76.8","","4.00","LOQ","YES","40.0","","0.250","0.001","2.5
0",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","2058-94-
8","PFUnA","32.1","ng/L","","1.37","LOD","","TRG","80.2","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","335-77-
3","PFDS","41.6","ng/L","","1.37","LOD","","TRG","104","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","307-55-
1","PFDoA","31.3","ng/L","","1.37","LOD","","TRG","78.2","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",

""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","72629-94-8","PFTrDA","32.4","ng/L","","1.37","LOD","","TRG","80.9","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50","",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","376-06-7","PFTeDA","34.0","ng/L","","1.37","LOD","","TRG","84.9","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50","",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C3-PFBA","13C3-PFBA","94.6","%R","","-99","NA","","IS","94.6","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C3-PFPeA","13C3-PFPeA","94.1","%R","","-99","NA","","IS","94.1","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C3-PFBS","13C3-PFBS","99.3","%R","","-99","NA","","IS","99.3","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C2-PFHxA","13C2-PFHxA","92.1","%R","","-99","NA","","IS","92.1","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C4-PFHpA","13C4-PFHpA","102","%R","","-99","NA","","IS","102","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","18O2-PFHxS","18O2-PFHxS","88.8","%R","","-99","NA","","IS","88.8","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C2-PFOA","13C2-PFOA","90.0","%R","","-99","NA","","IS","90.0","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C5-PFNA","13C5-PFNA","82.7","%R","","-99","NA","","IS","82.7","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C8-PFOSA","13C8-PFOSA","49.3","%R","H","-99","NA","","IS","49.3","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C8-PFOS","13C8-PFOS","90.7","%R","","-99","NA","","IS","90.7","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C2-PFDA","13C2-PFDA","77.6","%R","","-99","NA","","IS","77.6","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","d3-MeFOSAA","d3-MeFOSAA","72.0","%R","","-99","NA","","IS","72.0","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","d5-EtFOSAA","d5-EtFOSAA","72.2","%R","","-99","NA","","IS","72.2","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C2-PFUnA","13C2-PFUnA","66.7","%R","","-99","NA","","IS","66.7","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C2-PFDoA","13C2-PFDoA","80.4","%R","","-99","NA","","IS","80.4","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-BS1","Modified EPA 537","Initial","B8G0006-BS1","Vista","13C2-PFTeDA","13C2-PFTeDA","75.3","%R","","-99","NA","","IS","75.3","","-99","NA","YES","100","","0.250","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","375-22-4","PFBA","38.1","ng/L","","1.38","LOD","","TRG","85.4","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","2706-90-3","PFPeA","38.5","ng/L","","1.38","LOD","","TRG","87.2","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","375-73-5","PFBS","35.8","ng/L","","1.38","LOD","","TRG","86.6","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","307-24-4","PFHxA","36.6","ng/L","","1.38","LOD","","TRG","82.6","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","375-85-9","PFHpA","41.3","ng/L","","1.38","LOD","","TRG","95.2","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""

"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","355-46-4","PFHxS","34.3","ng/L","","1.38","LOD","","TRG","76.9","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","27619-97-2","6:2 FTS","37.8","ng/L","","1.38","LOD","","TRG","93.7","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","335-67-1","PFOA","42.6","ng/L","","1.38","LOD","","TRG","88.7","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","375-92-8","PFHpS","39.9","ng/L","","1.38","LOD","","TRG","98.3","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","375-95-1","PFNA","60.0","ng/L","","1.38","LOD","","TRG","98.3","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","754-91-6","PFOSA","34.0","ng/L","","1.38","LOD","","TRG","84.4","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","1763-23-1","PFOS","36.4","ng/L","","1.38","LOD","","TRG","82.2","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","335-76-2","PFDA","34.1","ng/L","","1.38","LOD","","TRG","82.0","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","39108-34-4","8:2 FTS","36.8","ng/L","","1.38","LOD","","TRG","91.3","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","2355-31-9","MeFOSAA","51.3","ng/L","","1.38","LOD","","TRG","127","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","2991-50-6","EtFOSAA","30.0","ng/L","","1.38","LOD","","TRG","74.3","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","2058-94-8","PFUnA","35.7","ng/L","","1.38","LOD","","TRG","85.3","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","335-77-3","PFDS","46.3","ng/L","","1.38","LOD","","TRG","115","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","307-55-1","PFDoA","31.5","ng/L","","1.38","LOD","","TRG","78.3","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","72629-94-8","PFTrDA","32.9","ng/L","","1.38","LOD","","TRG","81.6","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","376-06-7","PFTeDA","35.8","ng/L","","1.38","LOD","","TRG","89.0","","4.03","LOQ","YES","40.3","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C3-PFBA","13C3-PFBA","93.9","%R","","-99","NA","","IS","93.9","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C3-PFPeA","13C3-PFPeA","96.8","%R","","-99","NA","","IS","96.8","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""

"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C3-PFBS","13C3-PFBS","102","%R","","-99","NA","","IS","102","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C2-PFHxA","13C2-PFHxA","97.6","%R","","-99","NA","","IS","97.6","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C4-PFHpA","13C4-PFHpA","95.4","%R","","-99","NA","","IS","95.4","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","18O2-PFHxS","18O2-PFHxS","92.3","%R","","-99","NA","","IS","92.3","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C2-PFOA","13C2-PFOA","84.6","%R","","-99","NA","","IS","84.6","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C5-PFNA","13C5-PFNA","83.4","%R","","-99","NA","","IS","83.4","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C8-PFOSA","13C8-PFOSA","98.0","%R","","-99","NA","","IS","98.0","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C8-PFOS","13C8-PFOS","96.0","%R","","-99","NA","","IS","96.0","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C2-PFDA","13C2-PFDA","79.1","%R","","-99","NA","","IS","79.1","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","d3-MeFOSAA","d3-MeFOSAA","93.0","%R","","-99","NA","","IS","93.0","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","d5-EtFOSAA","d5-EtFOSAA","113","%R","","-99","NA","","IS","113","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C2-PFUnA","13C2-PFUnA","88.0","%R","","-99","NA","","IS","88.0","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C2-PFDoA","13C2-PFDoA","83.3","%R","","-99","NA","","IS","83.3","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MS1","Modified EPA 537","Initial","B8G0006-MS1","Vista","13C2-PFTeDA","13C2-PFTeDA","105","%R","","-99","NA","","IS","105","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","375-22-4","PFBA","38.8","ng/L","","1.38","LOD","","TRG","86.8","1.63","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","2706-90-3","PFPeA","37.7","ng/L","","1.38","LOD","","TRG","84.8","2.79","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","375-73-5","PFBS","36.5","ng/L","","1.38","LOD","","TRG","88.0","1.60","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","307-24-4","PFHxA","39.4","ng/L","","1.38","LOD","","TRG","89.4","7.91","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""

"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","375-85-9","PFHpA","36.8","ng/L","","1.38","LOD","","TRG","83.9","12.6","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","355-46-4","PFHxS","35.3","ng/L","","1.38","LOD","","TRG","79.2","2.95","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","27619-97-2","6:2 FTS","32.9","ng/L","","1.38","LOD","","TRG","81.4","14.0","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","335-67-1","PFOA","39.5","ng/L","","1.38","LOD","","TRG","81.0","9.07","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","375-92-8","PFHpS","41.8","ng/L","","1.38","LOD","","TRG","103","4.67","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","375-95-1","PFNA","52.1","ng/L","","1.38","LOD","","TRG","78.6","22.3","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","754-91-6","PFOSA","36.6","ng/L","","1.38","LOD","","TRG","90.5","6.98","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","1763-23-1","PFOS","41.9","ng/L","","1.38","LOD","","TRG","95.6","15.1","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","335-76-2","PFDA","34.8","ng/L","","1.38","LOD","","TRG","83.5","1.81","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","39108-34-4","8:2 FTS","29.9","ng/L","","1.38","LOD","","TRG","74.1","20.8","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","2355-31-9","MeFOSAA","36.3","ng/L","H","1.38","LOD","","TRG","90.0","34.1","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","2991-50-6","EtFOSAA","31.6","ng/L","","1.38","LOD","","TRG","78.1","4.99","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","2058-94-8","PFUnA","34.8","ng/L","","1.38","LOD","","TRG","83.0","2.73","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","335-77-3","PFDS","45.0","ng/L","","1.38","LOD","","TRG","111","3.54","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","307-55-1","PFDoA","31.1","ng/L","","1.38","LOD","","TRG","76.9","1.80","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","72629-94-8","PFTrDA","35.8","ng/L","","1.38","LOD","","TRG","88.7","8.34","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","376-06-7","PFTeDA","32.4","ng/L","","1.38","LOD","","TRG","80.3","10.3","4.04","LOQ","YES","40.4","SA-SW201-20180626","0.248","0.001","2.52",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C3-PFBA","13C3-PFBA","92.9","%R","","-99","NA","","IS","92.9","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""

"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C3-PFPeA","13C3-PFPeA","92.7","%R","","-99","NA","","IS","92.7","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C3-PFBS","13C3-PFBS","98.1","%R","","-99","NA","","IS","98.1","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C2-PFHxA","13C2-PFHxA","94.1","%R","","-99","NA","","IS","94.1","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C4-PFHpA","13C4-PFHpA","99.8","%R","","-99","NA","","IS","99.8","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","18O2-PFHxS","18O2-PFHxS","90.7","%R","","-99","NA","","IS","90.7","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C2-PFOA","13C2-PFOA","91.7","%R","","-99","NA","","IS","91.7","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C5-PFNA","13C5-PFNA","81.2","%R","","-99","NA","","IS","81.2","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C8-PFOSA","13C8-PFOSA","95.3","%R","","-99","NA","","IS","95.3","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C8-PFOS","13C8-PFOS","89.9","%R","","-99","NA","","IS","89.9","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C2-PFDA","13C2-PFDA","79.4","%R","","-99","NA","","IS","79.4","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","d3-MeFOSAA","d3-MeFOSAA","101","%R","","-99","NA","","IS","101","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","d5-EtFOSAA","d5-EtFOSAA","106","%R","","-99","NA","","IS","106","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C2-PFUnA","13C2-PFUnA","86.2","%R","","-99","NA","","IS","86.2","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C2-PFDoA","13C2-PFDoA","88.3","%R","","-99","NA","","IS","88.3","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
"B8G0006-MSD1","Modified EPA 537","Initial","B8G0006-MSD1","Vista","13C2-PFTeDA","13C2-PFTeDA","108","%R","","-99","NA","","IS","108","","-99","NA","YES","100","SA-SW201-20180626","0.248","0.001","-99",""
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"112G08005-WE05","NWIRP Calverton/ 112G08005-WE05","FT-SW12-20180626","06/26/2018 16:00","AQ","1801486-02","NM","","2.20","Modified EPA 537","METHOD","Initial","07/05/2018 09:10","07/14/2018 03:00","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","06/28/2018 09:18","01/01/1900 00:00",""
"112G08005-WE05","NWIRP Calverton/ 112G08005-WE05","FT-SW13-20180626","06/26/2018

15:45","AQ","1801486-03","NM","","2.20","Modified EPA 537","METHOD","Initial","07/05/2018
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00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","06/28/2018 09:18","01/01/1900 00:00",""
"112G08005-WE05","NWIRP Calverton/ 112G08005-WE05","SW-DP01-20180626","06/26/2018
15:00","AQ","1801486-04","NM","","2.20","Modified EPA 537","METHOD","Initial","07/05/2018
09:10","07/14/2018 03:21","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","06/28/2018 09:18","01/01/1900 00:00",""
"112G08005-WE05","NWIRP Calverton/ 112G08005-WE05","SW-DP02-20180626","06/26/2018
13:54","AQ","1801486-05","NM","","2.20","Modified EPA 537","METHOD","Initial","07/05/2018
09:10","07/14/2018 03:31","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","06/28/2018 09:18","01/01/1900 00:00",""
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07:25","AQ","1801486-06","NM","","2.20","Modified EPA 537","METHOD","Initial","07/05/2018
09:10","07/14/2018 03:42","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","06/28/2018 09:18","01/01/1900 00:00",""
"112G08005-WE05","NWIRP Calverton/ 112G08005-WE05","SA-SW201-FRB-20180626","06/26/2018
07:25","AQ","1801486-07","NM","","2.20","Modified EPA 537","METHOD","Initial","07/05/2018
09:10","07/14/2018 03:52","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","06/28/2018 09:18","01/01/1900 00:00",""
"112G08005-WE05","NWIRP Calverton/ 112G08005-WE05","SA-SW204-20180626","06/26/2018
07:45","AQ","1801486-08","NM","","2.20","Modified EPA 537","METHOD","Initial","07/05/2018
09:10","07/14/2018 04:03","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","06/28/2018 09:18","01/01/1900 00:00",""
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16:50","AQ","1801486-09","NM","","2.20","Modified EPA 537","METHOD","Initial","07/05/2018
09:10","07/14/2018 04:13","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","06/28/2018 09:18","01/01/1900 00:00",""
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12:00","AQ","1801486-10","NM","","2.20","Modified EPA 537","METHOD","Initial","07/05/2018
09:10","07/14/2018 04:55","Vista","COA","WET","NA","1","NA","NA","01/01/1900
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"112G08005-WE05","NWIRP Calverton/ 112G08005-WE05","CA-AQIDW01-20180626","06/26/2018
17:15","AQ","1801486-11","NM","","2.20","Modified EPA 537","METHOD","Initial","07/05/2018
09:10","07/14/2018 05:06","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","06/28/2018 09:18","01/01/1900 00:00",""
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00:00","AQ","B8G0006-BLK1","MB","","-99","Modified EPA 537","METHOD","Initial","07/05/2018
09:10","07/14/2018 02:39","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","01/01/1900 00:00","01/01/1900 00:00",""
"112G08005-WE05","NWIRP Calverton/ 112G08005-WE05","B8G0006-BS1","01/01/1900 00:00","AQ","B8G0006-
BS1","LCS","","-99","Modified EPA 537","METHOD","Initial","07/05/2018 09:10","07/14/2018
02:08","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","01/01/1900 00:00","01/01/1900 00:00",""
"112G08005-WE05","NWIRP Calverton/ 112G08005-WE05","B8G0006-MS1","01/01/1900 00:00","AQ","B8G0006-
MS1","MS","","-99","Modified EPA 537","METHOD","Initial","07/05/2018 09:10","07/14/2018
02:18","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","01/01/1900 00:00","01/01/1900 00:00",""
"112G08005-WE05","NWIRP Calverton/ 112G08005-WE05","B8G0006-MSD1","01/01/1900
00:00","AQ","B8G0006-MSD1","MSD","","-99","Modified EPA 537","METHOD","Initial","07/05/2018
09:10","07/14/2018 02:29","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B8G0006","B8G0006","NA","S8G0041","1801486","01/01/1900 00:00","01/01/1900 00:00",""

TETRA TECH

INTERNAL CORRESPONDENCE

TO: **K. FRANCISCO** **DATE:** **OCTOBER 3, 2018**

FROM: **TERRI L. SOLOMON** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – POLYFLUOROALKYL SUBSTANCES (PFAS)**
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP), CALVERTON
SAMPLE DELIVERY GROUP (SDG) 1801486

SAMPLES: 9/Surface Water

FT-SW10-20180626	FT-SW12-20180626
FT-SW13-20180626	SA-DUP01-20180626
SA-SW201-20180626	SA-SW204-20180626
SA-SW301-20180626	SW-DP01-20180626
SW-DP02-20180626	

1/Interim Derived Waste
CA-AQIDW01-20180626

1/Field Reagent Blank
SA-SW201-FRB-20180626

Overview

The sample set for NWIRP Calverton, SDG 1801486 consisted of nine (9) surface water samples, one (1) interim derived waste sample and one (1) field reagent blank (FRB) sample. All samples were analyzed for polyfluoroalkyl substances (PFAS). One (1) field duplicate sample pair, SA-SW301-20180626 / SA-SW-DUP01-20180626 was included in this SDG.

The samples were collected by Tetra Tech, Inc. on June 26, 2018 and analyzed by Vista Analytical Laboratory. All analyses were conducted in accordance with EPA Method 537 Modified analytical and reporting protocols. The data contained in this SDG was validated with regard to the following parameters:

*	• Data completeness
*	• Hold times/Sample Preservation
*	• LC/MS/MS System Tuning and Performance
*	• Ion Transition Check
	• Initial/Continuing Calibrations
*	• Laboratory Method Blank Results
*	• Field Reagent Blank Results
	• Extraction Internal Standard Recoveries
*	• Injection Internal Standard Recoveries
	• Matrix Spike / Matrix Spike Duplicate Recoveries
*	• Ongoing Precision Recovery (OPR) Results
*	• Compound Identification
*	• Compound Quantitation
*	• Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Qualified analytical results

are presented in Appendix A, results as reported by the laboratory are presented in Appendix B, and documentation supporting these findings is presented in Appendix C.

PFAS

The extracted internal standard recovery for 13C2-perfluorotetradecanoic acid (13C2-PFTeA) was less than the 50% quality control limit for sample FT-SW10-20180626. The nondetected result reported for perfluorotetradecanoic acid (PFTeA) was qualified as estimated (UJ).

Detected results reported below the Limit of Quantitation (LOQ) but above the Method Detection Limit (MDL) were qualified as estimated, (J). Non-detected results were reported to the limit of detection (LOD).

Additional Comments

The laboratory noted that the chain of custody had a sample ID listed as SA-DUP01-20180626 and the sample label had SA-SWDUP01-20180626. The laboratory used the sample ID from the chain of custody.

The matrix spike/matrix spike duplicate (MS/MSD) relative percent difference (RPD) for N-methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA) was above the 30% quality control limit for sample SA-SW201-20180626. No validation actions were required as the sample result was nondetected.

The continuing calibration performed on 07/14/18 @ 7:11 had a percent recovery for MeFOSAA which exceeded the 130% laboratory quality control limit. Samples SA-DUP01-20180626 and CA-AQIDW01-20180626 were affected. No validation actions were warranted as the aforementioned sample results were nondetects.

Executive Summary

Laboratory Performance Issues: One extracted internal standard recovery was outside the quality control limits.

Other Factors Affecting Data Quality: Detected results below the LOQ were estimated.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Superfund Methods Data Review" (January 2017), the Environmental Protection Agency document EPA/600/R-08/092, Method 537, “Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)”, (September 2009) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (2017). The text of this report has been formulated to address only those areas affecting data quality.

Tetra Tech, Inc.
Terri L. Solomon
Chemist/Data Validator

Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

Attachments:
Appendix A - Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted detection limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team, but exclusion of the data is recommended.

Appendix A

Qualified Analytical Results

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = RPD between columns/detectors >40% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 standard deviations is greater than sample activity
Z1 = Tentatively Identified Compound considered presumptively present
Z2 = Tentatively Identified Compound column bleed
Z3 = Tentatively Identified Compound aldol condensate
Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 08005-WE05	NSAMPLE	CA-AQIDW01-20180626			FT-SW10-20180626			FT-SW12-20180626			FT-SW13-20180626		
SDG: 1801486	LAB_ID	1801486-11			1801486-01			1801486-02			1801486-03		
FRACTION: PFAS	SAMP_DATE	6/26/2018			6/26/2018			6/26/2018			6/26/2018		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	NG/L			NG/L			NG/L			NG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
6:2 FLUOROTELOMER SULFONATE (6:2FTS)		2.46	U		2.53	U		2.56	U		2.42	U	
8:2 FLUOROTELOMER SULFONATE (8:2FTS)		2.46	U		2.53	U		2.56	U		2.42	U	
N-ETHYLPERFLUOROOCTANE SULFONAMIDOACETATE(NEFOSA)		2.46	U		2.53	U		2.56	U		2.42	U	
N-METHYLPERFLUOROOCTANE SULFONAMIDOACETATE(NMFOSA)		2.46	U		2.53	U		2.56	U		2.42	U	
PENTADECAFLUOROOCTANOIC ACID (PFOA)		2.46	U		2.68	J	P	27			21.5		
PERFLUOROBUTANESULFONIC ACID (PFBS)		2.46	U		2.53	U		2.56	U		2.42	U	
PERFLUOROBUTANOIC ACID (PFBA)		2.46	U		1.99	J	P	5.44			4.57		
PERFLUORODECANESULFONIC ACID (PFDS)		2.46	U		2.53	U		2.56	U		2.42	U	
PERFLUORODECANOIC ACID (PFDA)		2.46	U		2.53	U		2.96	J	P	1.41	J	P
PERFLUORODODECANOIC ACID (PFDOA)		2.46	U		2.53	U		2.56	U		2.42	U	
PERFLUOROHEPTANESULFONIC ACID		2.46	U		2.53	U		2.56	U		2.42	U	
PERFLUOROHEPTANOIC ACID (PFHPA)		2.46	U		1.5	J	P	8.63			7.34		
PERFLUOROHEXANESULFONIC ACID (PFHXS)		2.46	U		2.53	U		27.2			17.2		
PERFLUOROHEXANOIC ACID (PFHXA)		2.46	U		2.53	U		9.63			7.75		
PERFLUORONONANOIC ACID (PFNA)		2.01	J	P	2.91	J	P	46.4			39.3		
PERFLUOROOCTANE SULFONAMIDE (FOSA)		2.46	U		2.53	U		2.56	U		2.42	U	
PERFLUOROOCTANESULFONIC ACID (PFOS)		2.46	U		2.53	U		16.1			12.6		
PERFLUOROPENTANOIC ACID (PFPEA)		2.46	U		1.59	J	P	8.88			8.12		
PERFLUOROTETRADECANOIC ACID (PFTEA)		2.46	U		2.53	UJ	R	2.56	U		2.42	U	
PERFLUOROTRIDECANOIC ACID (PFTRIA)		2.46	U		2.53	U		2.56	U		2.42	U	
PERFLUOROUNDECANOIC ACID (PFUNA)		2.46	U		3.42	J	P	11.8			6.06		

PROJ_NO: 08005-WE05	NSAMPLE	SA-DUP01-20180626			SA-SW201-20180626			SA-SW201-FRB-20180626			SA-SW204-20180626		
SDG: 1801486	LAB_ID	1801486-10			1801486-06			1801486-07			1801486-08		
FRACTION: PFAS	SAMP_DATE	6/26/2018			6/26/2018			6/26/2018			6/26/2018		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	NG/L			NG/L			NG/L			NG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	SA-SW301-20180626											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
6:2 FLUOROTELOMER SULFONATE (6:2FTS)		2.54	U		2.47	U		2.38	U		6.97		
8:2 FLUOROTELOMER SULFONATE (8:2FTS)		2.54	U		2.47	U		2.38	U		2.52	U	
N-ETHYLPERFLUOROOCTANE SULFONAMIDOACETATE(NEFOSA)		2.54	U		2.47	U		2.38	U		2.52	U	
N-METHYLPERFLUOROOCTANE SULFONAMIDOACETATE(NMFOSA)		2.54	U		2.47	U		2.38	U		2.52	U	
PENTADECAFLUOROOCTANOIC ACID (PFOA)		6.46			6.79			2.38	U		8.07		
PERFLUOROBUTANESULFONIC ACID (PFBS)		2.54	U		2.47	U		2.38	U		2.52	U	
PERFLUOROBUTANOIC ACID (PFBA)		2.98	J	P	3.69	J	P	2.38	U		4.59		
PERFLUORODECANESULFONIC ACID (PFDS)		2.54	U		2.47	U		2.38	U		2.52	U	
PERFLUORODECANOIC ACID (PFDA)		28.2			2.47	U		2.38	U		2.79	J	P
PERFLUORODODECANOIC ACID (PFDOA)		2.6	J	P	2.47	U		2.38	U		2.52	U	
PERFLUOROHEPTANESULFONIC ACID		2.54	U		2.47	U		2.38	U		2.52	U	
PERFLUOROHEPTANOIC ACID (PFHPA)		2.42	J	P	2.95	J	P	2.38	U		6.18		
PERFLUOROHEXANESULFONIC ACID (PFHXS)		2.54	U		3.28	J	P	2.38	U		5.96		
PERFLUOROHEXANOIC ACID (PFHXA)		1.78	J	P	3.33	J	P	2.38	U		6.77		
PERFLUORONONANOIC ACID (PFNA)		56.6			20.4			2.38	U		111		
PERFLUOROOCTANE SULFONAMIDE (FOSA)		2.54	U		2.47	U		2.38	U		2.52	U	
PERFLUOROOCTANESULFONIC ACID (PFOS)		2.93	J	P	3.23	J	P	2.38	U		14.2		
PERFLUOROPENTANOIC ACID (PFPEA)		1.56	J	P	3.4	J	P	2.38	U		7.72		
PERFLUOROTETRADECANOIC ACID (PFTEA)		2.54	U		2.47	U		2.38	U		2.52	U	
PERFLUOROTRIDECANOIC ACID (PFTRIA)		3.84	J	P	2.47	U		2.38	U		2.52	U	
PERFLUOROUNDECANOIC ACID (PFUNA)		70.2			2.47	U		2.38	U		8.17		

PROJ_NO: 08005-WE05	NSAMPLE	SA-SW301-20180626			SW-DP01-20180626			SW-DP02-20180626		
SDG: 1801486	LAB_ID	1801486-09			1801486-04			1801486-05		
FRACTION: PFAS	SAMP_DATE	6/26/2018			6/26/2018			6/26/2018		
MEDIA: WATER	QC_TYPE	NM			NM			NM		
	UNITS	NG/L			NG/L			NG/L		
	PCT_SOLIDS	0.0			0.0			0.0		
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
6:2 FLUOROTELOMER SULFONATE (6:2FTS)		2.48	U		2.56	U		2.6	U	
8:2 FLUOROTELOMER SULFONATE (8:2FTS)		2.48	U		2.56	U		2.6	U	
N-ETHYLPERFLUOROOCTANE SULFONAMIDOACETATE(NEFOSA)		2.48	U		2.56	U		2.6	U	
N-METHYLPERFLUOROOCTANE SULFONAMIDOACETATE(NMFOSA)		2.48	U		2.56	U		2.6	U	
PENTADECAFLUOROOCTANOIC ACID (PFOA)		5.83			3.02	J	P	1.49	J	P
PERFLUOROBUTANESULFONIC ACID (PFBS)		2.48	U		2.56	U		2.6	U	
PERFLUOROBUTANOIC ACID (PFBA)		3.12	J	P	3.13	J	P	3.13	J	P
PERFLUORODECANESULFONIC ACID (PFDS)		2.48	U		2.56	U		2.6	U	
PERFLUORODECANOIC ACID (PFDA)		30.2			2.56	U		2.6	U	
PERFLUORODODECANOIC ACID (PFDOA)		2.62	J	P	2.56	U		2.6	U	
PERFLUOROHEPTANESULFONIC ACID		2.48	U		2.56	U		2.6	U	
PERFLUOROHEPTANOIC ACID (PFHPA)		2.81	J	P	2.56	U		2.6	U	
PERFLUOROHEXANESULFONIC ACID (PFHXS)		2.48	U		2.56	U		2.6	U	
PERFLUOROHEXANOIC ACID (PFHXA)		1.71	J	P	2.56	U		1.56	J	P
PERFLUORONONANOIC ACID (PFNA)		53.2			2.56	U		2.6	U	
PERFLUOROOCTANE SULFONAMIDE (FOSA)		2.48	U		2.56	U		2.6	U	
PERFLUOROOCTANESULFONIC ACID (PFOS)		3.56	J	P	1.87	J	P	2.67	J	P
PERFLUOROPENTANOIC ACID (PFPEA)		1.74	J	P	2.56	U		2.6	U	
PERFLUOROTETRADECANOIC ACID (PFTEA)		2.48	U		2.56	U		2.6	U	
PERFLUOROTRIDECANOIC ACID (PFTRIA)		4.2			2.56	U		2.6	U	
PERFLUOROUNDECANOIC ACID (PFUNA)		63.3			2.56	U		2.6	U	

Appendix B

Results as Reported by the Laboratory

Sample ID: FT-SW10-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 08:10

Laboratory Data

Lab Sample: 1801486-01
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	1.99	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFPeA	2706-90-3	1.59	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFBS	375-73-5	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFHxA	307-24-4	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFHpA	375-85-9	1.50	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFHxS	355-46-4	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
6:2 FTS	27619-97-2	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFOA	335-67-1	2.68	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFHpS	375-92-8	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFNA	375-95-1	2.91	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFOSA	754-91-6	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFOS	1763-23-1	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFDA	335-76-2	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
8:2 FTS	39108-34-4	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
MeFOSAA	2355-31-9	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
EtFOSAA	2991-50-6	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFUnA	2058-94-8	3.42	1.39	2.53	4.05	J	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFDS	335-77-3	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFDoA	307-55-1	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFTrDA	72629-94-8	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
PFTeDA	376-06-7	ND	1.39	2.53	4.05	U	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	90.0	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C3-PFPeA	IS	93.1	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C3-PFBS	IS	103	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFHxA	IS	90.6	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C4-PFHpA	IS	89.1	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
18O2-PFHxS	IS	89.1	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFOA	IS	78.7	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C5-PFNA	IS	71.9	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C8-PFOSA	IS	71.8	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C8-PFOS	IS	73.2	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFDA	IS	74.6	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
d3-MeFOSAA	IS	62.9	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1

Sample ID: FT-SW10-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 08:10

Laboratory Data

Lab Sample: 1801486-01
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	96.5	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFUnA	IS	75.4	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFDoA	IS	67.8	50 - 150		B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1
13C2-PFTeDA	IS	40.5	50 - 150	H	B8G0006	05-Jul-18	0.247 L	14-Jul-18 02:49	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
Results reported to the DL.
When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: FT-SW12-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 16:00

Laboratory Data

Lab Sample: 1801486-02
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	5.44	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFPeA	2706-90-3	8.88	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFBS	375-73-5	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFHxA	307-24-4	9.63	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFHpA	375-85-9	8.63	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFHxS	355-46-4	27.2	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
6:2 FTS	27619-97-2	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFOA	335-67-1	27.0	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFHpS	375-92-8	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFNA	375-95-1	46.4	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFOSA	754-91-6	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFOS	1763-23-1	16.1	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFDA	335-76-2	2.96	1.41	2.56	4.10	J	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
8:2 FTS	39108-34-4	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
MeFOSAA	2355-31-9	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
EtFOSAA	2991-50-6	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFUnA	2058-94-8	11.8	1.41	2.56	4.10		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFDS	335-77-3	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFDoA	307-55-1	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFTrDA	72629-94-8	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
PFTeDA	376-06-7	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.8	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C3-PFPeA	IS	95.0	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C3-PFBS	IS	99.7	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFHxA	IS	88.8	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C4-PFHpA	IS	94.3	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
18O2-PFHxS	IS	84.3	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFOA	IS	95.5	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C5-PFNA	IS	78.6	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C8-PFOSA	IS	81.6	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C8-PFOS	IS	77.3	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFDA	IS	84.3	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
d3-MeFOSAA	IS	95.3	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1

Sample ID: FT-SW12-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 16:00

Laboratory Data

Lab Sample: 1801486-02
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	87.9	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFUnA	IS	85.4	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFDoA	IS	91.7	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1
13C2-PFTeDA	IS	66.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:00	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
Results reported to the DL.
When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: FT-SW13-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 15:45

Laboratory Data

Lab Sample: 1801486-03
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	4.57	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFPeA	2706-90-3	8.12	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFBS	375-73-5	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFHxA	307-24-4	7.75	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFHpA	375-85-9	7.34	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFHxS	355-46-4	17.2	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
6:2 FTS	27619-97-2	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFOA	335-67-1	21.5	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFHpS	375-92-8	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFNA	375-95-1	39.3	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFOSA	754-91-6	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFOS	1763-23-1	12.6	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFDA	335-76-2	1.41	1.33	2.42	3.88	J	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
8:2 FTS	39108-34-4	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
MeFOSAA	2355-31-9	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
EtFOSAA	2991-50-6	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFUnA	2058-94-8	6.06	1.33	2.42	3.88		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFDS	335-77-3	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFDoA	307-55-1	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFTrDA	72629-94-8	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
PFTeDA	376-06-7	ND	1.33	2.42	3.88	U	B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.8	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C3-PFPeA	IS	93.1	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C3-PFBS	IS	103	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFHxA	IS	94.6	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C4-PFHpA	IS	100	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
18O2-PFHxS	IS	95.0	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFOA	IS	91.0	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C5-PFNA	IS	79.6	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C8-PFOSA	IS	87.4	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C8-PFOS	IS	85.6	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFDA	IS	71.2	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
d3-MeFOSAA	IS	72.5	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1

Sample ID: FT-SW13-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 15:45

Laboratory Data

Lab Sample: 1801486-03
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	99.6	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFUnA	IS	86.7	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFDoA	IS	74.2	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1
13C2-PFTeDA	IS	67.7	50 - 150		B8G0006	05-Jul-18	0.258 L	14-Jul-18 03:10	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
Results reported to the DL.
When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SW-DP01-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 15:00

Laboratory Data

Lab Sample: 1801486-04
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.13	1.41	2.56	4.10	J	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFPeA	2706-90-3	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFBS	375-73-5	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFHxA	307-24-4	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFHpA	375-85-9	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFHxS	355-46-4	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
6:2 FTS	27619-97-2	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFOA	335-67-1	3.02	1.41	2.56	4.10	J	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFHpS	375-92-8	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFNA	375-95-1	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFOSA	754-91-6	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFOS	1763-23-1	1.87	1.41	2.56	4.10	J	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFDA	335-76-2	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
8:2 FTS	39108-34-4	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
MeFOSAA	2355-31-9	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
EtFOSAA	2991-50-6	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFUnA	2058-94-8	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFDS	335-77-3	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFDoA	307-55-1	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFTrDA	72629-94-8	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
PFTeDA	376-06-7	ND	1.41	2.56	4.10	U	B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.9	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C3-PFPeA	IS	92.5	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C3-PFBS	IS	98.9	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFHxA	IS	89.6	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C4-PFHpA	IS	99.1	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
18O2-PFHxS	IS	93.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFOA	IS	82.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C5-PFNA	IS	86.6	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C8-PFOSA	IS	93.9	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C8-PFOS	IS	88.1	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFDA	IS	94.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
d3-MeFOSAA	IS	97.9	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1

Sample ID: SW-DP01-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 15:00

Laboratory Data

Lab Sample: 1801486-04
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	113	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFUnA	IS	88.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFDoA	IS	96.2	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1
13C2-PFTeDA	IS	103	50 - 150		B8G0006	05-Jul-18	0.244 L	14-Jul-18 03:21	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SW-DP02-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 13:54

Laboratory Data

Lab Sample: 1801486-05
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.13	1.43	2.60	4.17	J	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFPeA	2706-90-3	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFBS	375-73-5	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFHxA	307-24-4	1.56	1.43	2.60	4.17	J	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFHpA	375-85-9	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFHxS	355-46-4	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
6:2 FTS	27619-97-2	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFOA	335-67-1	1.49	1.43	2.60	4.17	J	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFHpS	375-92-8	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFNA	375-95-1	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFOSA	754-91-6	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFOS	1763-23-1	2.67	1.43	2.60	4.17	J	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFDA	335-76-2	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
8:2 FTS	39108-34-4	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
MeFOSAA	2355-31-9	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
EtFOSAA	2991-50-6	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFUnA	2058-94-8	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFDS	335-77-3	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFDoA	307-55-1	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFTrDA	72629-94-8	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
PFTeDA	376-06-7	ND	1.43	2.60	4.17	U	B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.2	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C3-PFPeA	IS	96.7	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C3-PFBS	IS	102	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFHxA	IS	94.4	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C4-PFHpA	IS	97.1	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
18O2-PFHxS	IS	98.5	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFOA	IS	85.4	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C5-PFNA	IS	84.9	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C8-PFOSA	IS	82.8	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C8-PFOS	IS	81.8	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFDA	IS	72.8	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
d3-MeFOSAA	IS	114	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1

Sample ID: SW-DP02-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 13:54

Laboratory Data

Lab Sample: 1801486-05
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	117	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFUnA	IS	90.0	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFDoA	IS	92.9	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1
13C2-PFTeDA	IS	108	50 - 150		B8G0006	05-Jul-18	0.240 L	14-Jul-18 03:31	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
Results reported to the DL.
When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SA-SW201-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 07:25

Laboratory Data

Lab Sample: 1801486-06
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.69	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFPeA	2706-90-3	3.40	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFBS	375-73-5	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFHxA	307-24-4	3.33	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFHpA	375-85-9	2.95	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFHxS	355-46-4	3.28	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
6:2 FTS	27619-97-2	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFOA	335-67-1	6.79	1.35	2.47	3.95		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFHpS	375-92-8	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFNA	375-95-1	20.4	1.35	2.47	3.95		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFOSA	754-91-6	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFOS	1763-23-1	3.23	1.35	2.47	3.95	J	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFDA	335-76-2	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
8:2 FTS	39108-34-4	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
MeFOSAA	2355-31-9	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
EtFOSAA	2991-50-6	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFUnA	2058-94-8	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFDS	335-77-3	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFDoA	307-55-1	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFTrDA	72629-94-8	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
PFTeDA	376-06-7	ND	1.35	2.47	3.95	U	B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.1	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C3-PFPeA	IS	90.2	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C3-PFBS	IS	97.9	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFHxA	IS	90.1	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C4-PFHpA	IS	94.3	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
18O2-PFHxS	IS	86.7	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFOA	IS	87.7	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C5-PFNA	IS	83.4	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C8-PFOSA	IS	77.0	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C8-PFOS	IS	87.1	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFDA	IS	79.2	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
d3-MeFOSAA	IS	75.8	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1

Sample ID: SA-SW201-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 07:25

Laboratory Data

Lab Sample: 1801486-06
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	99.2	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFUnA	IS	82.7	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFDoA	IS	78.9	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1
13C2-PFTeDA	IS	87.7	50 - 150		B8G0006	05-Jul-18	0.253 L	14-Jul-18 03:42	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SA-SW201-FRB-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: QC Water
Date Collected: 26-Jun-18 07:25

Laboratory Data

Lab Sample: 1801486-07
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFPeA	2706-90-3	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFBS	375-73-5	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFHxA	307-24-4	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFHpA	375-85-9	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFHxS	355-46-4	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
6:2 FTS	27619-97-2	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFOA	335-67-1	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFHpS	375-92-8	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFNA	375-95-1	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFOSA	754-91-6	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFOS	1763-23-1	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFDA	335-76-2	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
8:2 FTS	39108-34-4	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
MeFOSAA	2355-31-9	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
EtFOSAA	2991-50-6	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFUnA	2058-94-8	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFDS	335-77-3	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFDoA	307-55-1	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFTrDA	72629-94-8	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
PFTeDA	376-06-7	ND	1.30	2.38	3.80	U	B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	99.3	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C3-PFPeA	IS	101	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C3-PFBS	IS	104	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFHxA	IS	103	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C4-PFHpA	IS	108	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
18O2-PFHxS	IS	99.1	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFOA	IS	91.4	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C5-PFNA	IS	79.3	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C8-PFOSA	IS	56.4	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C8-PFOS	IS	87.9	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFDA	IS	84.5	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
d3-MeFOSAA	IS	76.5	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1

Sample ID: SA-SW201-FRB-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: QC Water
Date Collected: 26-Jun-18 07:25

Laboratory Data

Lab Sample: 1801486-07
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	77.3	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFUnA	IS	69.6	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFDoA	IS	80.8	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1
13C2-PFTeDA	IS	81.4	50 - 150		B8G0006	05-Jul-18	0.263 L	14-Jul-18 03:52	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
Results reported to the DL.
When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SA-SW204-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 07:45

Laboratory Data

Lab Sample: 1801486-08
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	4.59	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFPeA	2706-90-3	7.72	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFBS	375-73-5	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFHxA	307-24-4	6.77	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFHpA	375-85-9	6.18	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFHxS	355-46-4	5.96	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
6:2 FTS	27619-97-2	6.97	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFOA	335-67-1	8.07	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFHpS	375-92-8	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFNA	375-95-1	111	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFOSA	754-91-6	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFOS	1763-23-1	14.2	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFDA	335-76-2	2.79	1.38	2.52	4.04	J	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
8:2 FTS	39108-34-4	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
MeFOSAA	2355-31-9	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
EtFOSAA	2991-50-6	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFUnA	2058-94-8	8.17	1.38	2.52	4.04		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFDS	335-77-3	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFDoA	307-55-1	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFTrDA	72629-94-8	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
PFTeDA	376-06-7	ND	1.38	2.52	4.04	U	B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.1	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C3-PFPeA	IS	97.0	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C3-PFBS	IS	109	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFHxA	IS	87.7	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C4-PFHpA	IS	101	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
18O2-PFHxS	IS	99.2	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFOA	IS	89.5	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C5-PFNA	IS	85.5	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C8-PFOSA	IS	80.5	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C8-PFOS	IS	97.9	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFDA	IS	77.7	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
d3-MeFOSAA	IS	72.7	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1

Sample ID: SA-SW204-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 07:45

Laboratory Data

Lab Sample: 1801486-08
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	85.0	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFUnA	IS	84.4	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFDoA	IS	78.6	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1
13C2-PFTeDA	IS	96.2	50 - 150		B8G0006	05-Jul-18	0.248 L	14-Jul-18 04:03	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
Results reported to the DL.
When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SA-SW301-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 16:50

Laboratory Data

Lab Sample: 1801486-09
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.12	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFPeA	2706-90-3	1.74	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFBS	375-73-5	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFHxA	307-24-4	1.71	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFHpA	375-85-9	2.81	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFHxS	355-46-4	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
6:2 FTS	27619-97-2	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFOA	335-67-1	5.83	1.36	2.48	3.96		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFHpS	375-92-8	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFNA	375-95-1	53.2	1.36	2.48	3.96		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFOSA	754-91-6	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFOS	1763-23-1	3.56	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFDA	335-76-2	30.2	1.36	2.48	3.96		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
8:2 FTS	39108-34-4	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
MeFOSAA	2355-31-9	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
EtFOSAA	2991-50-6	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFUnA	2058-94-8	63.3	1.36	2.48	3.96		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFDS	335-77-3	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFDoA	307-55-1	2.62	1.36	2.48	3.96	J	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFTrDA	72629-94-8	4.20	1.36	2.48	3.96		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
PFTeDA	376-06-7	ND	1.36	2.48	3.96	U	B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.9	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C3-PFPeA	IS	94.2	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C3-PFBS	IS	99.7	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFHxA	IS	90.8	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C4-PFHpA	IS	92.3	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
18O2-PFHxS	IS	108	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFOA	IS	87.7	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C5-PFNA	IS	80.5	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C8-PFOSA	IS	80.5	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C8-PFOS	IS	90.9	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFDA	IS	82.6	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
d3-MeFOSAA	IS	82.9	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1

Sample ID: SA-SW301-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 16:50

Laboratory Data

Lab Sample: 1801486-09
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	94.7	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFUnA	IS	81.7	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFDoA	IS	93.5	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1
13C2-PFTeDA	IS	81.3	50 - 150		B8G0006	05-Jul-18	0.252 L	14-Jul-18 04:13	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
Results reported to the DL.
When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SA-DUP01-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 12:00

Laboratory Data

Lab Sample: 1801486-10
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	2.98	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFPeA	2706-90-3	1.56	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFBS	375-73-5	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFHxA	307-24-4	1.78	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFHpA	375-85-9	2.42	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFHxS	355-46-4	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
6:2 FTS	27619-97-2	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFOA	335-67-1	6.46	1.39	2.54	4.07		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFHpS	375-92-8	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFNA	375-95-1	56.6	1.39	2.54	4.07		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFOSA	754-91-6	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFOS	1763-23-1	2.93	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFDA	335-76-2	28.2	1.39	2.54	4.07		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
8:2 FTS	39108-34-4	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
MeFOSAA	2355-31-9	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
EtFOSAA	2991-50-6	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFUnA	2058-94-8	70.2	1.39	2.54	4.07		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFDS	335-77-3	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFDoA	307-55-1	2.60	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFTrDA	72629-94-8	3.84	1.39	2.54	4.07	J	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
PFTeDA	376-06-7	ND	1.39	2.54	4.07	U	B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.6	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C3-PFPeA	IS	90.3	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C3-PFBS	IS	98.4	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFHxA	IS	90.2	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C4-PFHpA	IS	92.8	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
18O2-PFHxS	IS	89.4	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFOA	IS	84.1	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C5-PFNA	IS	74.4	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C8-PFOSA	IS	80.4	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C8-PFOS	IS	81.6	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFDA	IS	75.4	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
d3-MeFOSAA	IS	91.5	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1

Sample ID: SA-DUP01-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Surface Water
Date Collected: 26-Jun-18 12:00

Laboratory Data

Lab Sample: 1801486-10
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	97.2	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFUnA	IS	78.9	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFDoA	IS	78.9	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1
13C2-PFTeDA	IS	94.5	50 - 150		B8G0006	05-Jul-18	0.246 L	14-Jul-18 04:55	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: CA-AQIDW01-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Groundwater
Date Collected: 26-Jun-18 17:15

Laboratory Data

Lab Sample: 1801486-11
Date Received: 28-Jun-18 09:18
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFPeA	2706-90-3	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFBS	375-73-5	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFHxA	307-24-4	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFHpA	375-85-9	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFHxS	355-46-4	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
6:2 FTS	27619-97-2	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFOA	335-67-1	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFHpS	375-92-8	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFNA	375-95-1	2.01	1.35	2.46	3.94	J	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFOSA	754-91-6	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFOS	1763-23-1	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFDA	335-76-2	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
8:2 FTS	39108-34-4	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
MeFOSAA	2355-31-9	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
EtFOSAA	2991-50-6	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFUnA	2058-94-8	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFDS	335-77-3	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFDoA	307-55-1	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFTrDA	72629-94-8	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
PFTeDA	376-06-7	ND	1.35	2.46	3.94	U	B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.9	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C3-PFPeA	IS	93.5	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C3-PFBS	IS	103	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFHxA	IS	91.8	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C4-PFHpA	IS	94.9	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
18O2-PFHxS	IS	109	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFOA	IS	88.9	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C5-PFNA	IS	89.6	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C8-PFOSA	IS	75.8	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C8-PFOS	IS	87.1	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFDA	IS	82.6	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
d3-MeFOSAA	IS	92.4	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1

Sample ID: CA-AQIDW01-20180626 **PFAS Isotope Dilution Method**

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
SDG: 112G08005-WE05
Matrix: Groundwater
Date Collected: 26-Jun-18 17:15

Laboratory Data

Lab Sample: 1801486-11
Date Received: 28-Jun-18 09:18
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	89.4	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFUnA	IS	87.5	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFDoA	IS	94.5	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1
13C2-PFTeDA	IS	88.1	50 - 150		B8G0006	05-Jul-18	0.254 L	14-Jul-18 05:06	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Appendix C

Support Documentation

ANALYTE	ORIGINAL SA-SW301-20180626	DUPLICATE SW-DUP01-20180626	SA-	RL	RPD	RPD > 30% Aqueous	ORIGINAL SAMPLE CONC >2xRL	DUPLICATE SAMPLE CONC >2xRL	DIFFERENCE >2XRL
PENTADECAFLUOROOCTANOIC ACID (PFOA)	5.83	6.46	3.96	10.25	FALSE	FALSE	FALSE	FALSE	
PERFLUOROBUTANOIC ACID (PFBA)	3.12	2.98	3.96	4.59	FALSE	FALSE	FALSE	FALSE	
PERFLUORODECANOIC ACID (PFDA)	30.2	28.2	3.96	6.85	FALSE	TRUE	TRUE	FALSE	
PERFLUORODODECANOIC ACID (PFDOA)	2.62	2.6	3.96	0.77	FALSE	FALSE	FALSE	FALSE	
PERFLUOROHEPTANOIC ACID (PFHPA)	2.81	2.42	3.96	14.91	FALSE	FALSE	FALSE	FALSE	
PERFLUOROHEXANOIC ACID (PFHXA)	1.71	1.78	3.96	4.01	FALSE	FALSE	FALSE	FALSE	
PERFLUORONONANOIC ACID (PFNA)	53.2	56.6	3.96	6.19	FALSE	TRUE	TRUE	FALSE	
PERFLUOROOCTANESULFONIC ACID (PFOS)	3.56	2.93	3.96	19.41	FALSE	FALSE	FALSE	FALSE	
PERFLUOROPENTANOIC ACID (PFPEA)	1.74	1.56	3.96	10.91	FALSE	FALSE	FALSE	FALSE	
PERFLUOROTRIDECANOIC ACID (PFTRIA)	4.2	3.84	3.96	8.96	FALSE	FALSE	FALSE	FALSE	
PERFLUOROUNDECANOIC ACID (PFUNA)	63.3	70.2	3.96	10.34	FALSE	TRUE	TRUE	FALSE	

TETRA TECH

CHAIN OF CUSTODY

NO. 001

1801486

Page 1 of 1

2.2°C

Project No:	Facility:	Project Manger:	Phone:	Laboratory Name and Contact:
112G08005-WE05	NWIRP Calverton	Kristi Francisco/Ernie Wu	757-466-4902/757-466-4901	Vista Analytical Jade White-Dobbs
Samplers: Jacob Birkett, Beau Benfield		**Field Ops. Leader:** Jacob Birkett	**Phone:** 757-814-9916	**Address:** 1104 Windfield Way
		Fed Ex Airbill Number: 8131 5224 5713		**City, State, Zip:** El Dorado Hills, CA 95762
		Container Type: Plastic (P) or Glass (G)	P	
		Preservative Used:	None	

Date Year: 2018	Time	Sample ID	Location ID	Top Depth (FT)	Bottom Depth (FT)	Matrix (GW, SO, SW, QC)	Grab, Composite (G, C)	Total No. of Containers	ANALYSIS: PFAS 537 modified (21 compounds)								Comments
6/26	0810	FT-SW10-20180626	SW10	--	--	SW	G	2	2	--	--	--	--	--	--	--	
6/26	1600	FT-SW12-20180626	SW12	--	--	SW	G	2	2	--	--	--	--	--	--	--	
6/26	1545	FT-SW13-20180626	SW13	--	--	SW	G	2	2	--	--	--	--	--	--	--	
6/26	1500	SW-DP01-20180626	DP01	--	--	SW	G	2	2	--	--	--	--	--	--	--	
6/26	1354	SW-DP02-20180626	DP02	--	--	SW	G	2	2	--	--	--	--	--	--	--	
6/26	0745	0725 SA-SW201-20180626	SW201	--	--	SW	G	6	2	--	--	--	--	--	--	--	Run MS/MSD
6/26	0745	0725 SA-SW201-FRB-20180626	SW201	--	--	QA	G	2	2	--	--	--	--	--	--	--	FRB
6/26	0745	SA-SW204-20180626	SW204	--	--	SW	G	2	2	--	--	--	--	--	--	--	
6/26	1650	SA-SW301-20180626	SW301	--	--	SW	G	2	2	--	--	--	--	--	--	--	
6/26	1200	SA-DUP01-20180626	--	--	--	SW	G	2	2	--	--	--	--	--	--	--	Duplicate
6/26	1715	CA-AQIDW01-20180626	--	--	--	GW	G	2	2	--	--	--	--	--	--	--	IDW sample of treated water

1. Relinquished By: Jacob Birkett	Date: 6-27-18 ~~06/26/18~~	Time: 1700	1. Received By: FedEx	Date:	Time:
2. Relinquished By: FedEx	Date: 06/28/18	Time: 0918	2. Received By: MSgarlla	Date: 06/28/18	Time: 0924
Comments:					

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1801486 **TAT** Std

Samples Arrival:	**Date/Time** 06/28/18 0918	**Initials:** WWS	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 06/28/18 1104	**Initials:** KE	**Location:** WR-2 **Shelf/Rack:** B4

Delivered By:	FedEx	UPS	On Trac	GSO	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Dry Ice		None

Temp °C: 2.3	(uncorrected)	**Time:** 0923 **Probe used: Yes☐ No☑**	**Thermometer ID:** IR-4
Temp °C: 2.2	(corrected)		

	YES	NO	NA
Adequate Sample Volume Received?	KE		
Holding Time Acceptable?	KE		
Shipping Container(s) Intact?	WWS		
Shipping Custody Seals Intact?	WWS		
Shipping Documentation Present?	WWS		
Airbill Trk # 8131 5224 5713	WWS		
Sample Container Intact?	KE		
Sample Custody Seals Intact?			KE
Chain of Custody / Sample Documentation Present?	WWS		
COC Anomaly/Sample Acceptance Form completed?			KE

If Chlorinated or Drinking Water Samples, Acceptable Preservation?							KE
Preservation Documented:	$Na_2S_2O_3$	Trizma	None		Yes	No	NA
Shipping Container	Vista	Client	Retain	Return	Dispose		

Comments:
SAMPLE LABEL ID:
SA-SWDUP01-20180626

COC ID.
SA-DUP01-20180626

SDG Number 112G08005-WE05
Vista Work Order No. 1801486
Case Narrative

Sample Condition on Receipt:

Nine surface water samples, one QC water sample and one groundwater sample 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

All samples except "SA-SW201-FRB-20180626" contained particulate and were 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). The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

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 were within the method acceptance criteria.

As requested, an MS/MSD was performed on sample "SA-SW201-20180626". The RPD for MeFOSAA was out of the acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1801486-01	FT-SW10-20180626	PFAS Isotope Dilution Method	13C2-PFTeDA	H	40.5
B8G0006-BS1	B8G0006-BS1	PFAS Isotope Dilution Method	13C8-PFOSA	H	49.3

H = Recovery was outside laboratory acceptance criteria.

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.

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

Client Data

Name: Tetra Tech Matrix: Aqueous

Project: NWIRP Calverton/ 112G08005-WE05

Laboratory Data

Lab Sample: B8G0006-BLK1 Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFPeA	2706-90-3	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFBS	375-73-5	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFHxA	307-24-4	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFHpA	375-85-9	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFHxS	355-46-4	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
6:2 FTS	27619-97-2	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFOA	335-67-1	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFHpS	375-92-8	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFNA	375-95-1	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFOSA	754-91-6	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFOS	1763-23-1	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFDA	335-76-2	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
8:2 FTS	39108-34-4	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
MeFOSAA	2355-31-9	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
EtFOSAA	2991-50-6	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFUnA	2058-94-8	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFDS	335-77-3	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFDoA	307-55-1	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFTrDA	72629-94-8	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
PFTeDA	376-06-7	ND	1.37	2.50	4.00	U	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	97.2	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C3-PFPeA	IS	99.9	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C3-PFBS	IS	101	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C2-PFHxA	IS	96.4	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C4-PFHpA	IS	103	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
18O2-PFHxS	IS	94.5	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C2-PFOA	IS	84.8	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C5-PFNA	IS	82.5	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C8-PFOSA	IS	64.3	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C8-PFOS	IS	87.7	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C2-PFDA	IS	74.6	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
d3-MeFOSAA	IS	94.1	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
d5-EtFOSAA	IS	101	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1

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

Client Data

Name: Tetra Tech Matrix: Aqueous

Project: NWIRP Calverton/ 112G08005-WE05

Laboratory Data

Lab Sample: B8G0006-BLK1 Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFUnA	IS	76.7	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C2-PFDoA	IS	77.4	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1
13C2-PFTeDA	IS	91.1	50 - 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:39	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

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

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
Matrix: Aqueous

Laboratory Data

Lab Sample: B8G0006-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	33.2	40.0	83.0	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFPeA	2706-90-3	34.0	40.0	84.9	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFBS	375-73-5	34.8	40.0	87.1	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFHxA	307-24-4	33.3	40.0	83.1	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFHpA	375-85-9	34.1	40.0	85.2	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFHxS	355-46-4	32.2	40.0	80.5	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
6:2 FTS	27619-97-2	33.3	40.0	83.3	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFOA	335-67-1	34.3	40.0	85.8	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFHpS	375-92-8	39.1	40.0	97.8	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFNA	375-95-1	32.0	40.0	80.0	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFOSA	754-91-6	32.0	40.0	80.0	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFOS	1763-23-1	33.4	40.0	83.6	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFDA	335-76-2	32.4	40.0	81.1	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
8:2 FTS	39108-34-4	43.4	40.0	109	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
MeFOSAA	2355-31-9	36.2	40.0	90.5	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
EtFOSAA	2991-50-6	30.7	40.0	76.8	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFUnA	2058-94-8	32.1	40.0	80.2	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFDS	335-77-3	41.6	40.0	104	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFDoA	307-55-1	31.3	40.0	78.2	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFTrDA	72629-94-8	32.4	40.0	80.9	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
PFTeDA	376-06-7	34.0	40.0	84.9	70 - 130		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.6	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C3-PFPeA	IS	94.1	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C3-PFBS	IS	99.3	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C2-PFHxA	IS	92.1	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C4-PFHpA	IS	102	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
18O2-PFHxS	IS	88.8	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C2-PFOA	IS	90.0	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C5-PFNA	IS	82.7	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C8-PFOSA	IS	49.3	50- 150	H	B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C8-PFOS	IS	90.7	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C2-PFDA	IS	77.6	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
d3-MeFOSAA	IS	72.0	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
d5-EtFOSAA	IS	72.2	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1

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

Client Data

Name: Tetra Tech
Project: NWIRP Calverton/ 112G08005-WE05
Matrix: Aqueous

Laboratory Data

Lab Sample: B8G0006-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFUnA	IS	66.7	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C2-PFDoA	IS	80.4	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1
13C2-PFTeDA	IS	75.3	50- 150		B8G0006	05-Jul-18	0.250 L	14-Jul-18 02:08	1

Sample ID: SA-SW201-20180626 **PFAS Isotope Dilution Method**

Name:	Tetra Tech	Lab Sample:	B8G0006-MS1/B8G0006-MSD1	Source Lab Sample:	1801486-06
Project:	NWIRP Calverton/ 112G08005-WE05	QC Batch:	B8G0006	Date Extracted:	05-Jul-18
Matrix:	Aqueous	Samp Size:	0.248/0.248 L	Column:	BEH C18

Analyte	CAS Number	Sample (ng/L)	MS (ng/L)	MS Spike Amt	MS % Rec	MS Quals	MSD (ng/L)	MSD Spike Amt	MSD % Rec	RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFBA	375-22-4	3.69	38.1	40.3	85.4		38.8	40.4	86.8	1.63		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFPeA	2706-90-3	3.40	38.5	40.3	87.2		37.7	40.4	84.8	2.79		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFBS	375-73-5	ND	35.8	40.3	86.6		36.5	40.4	88.0	1.60		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFHxA	307-24-4	3.33	36.6	40.3	82.6		39.4	40.4	89.4	7.91		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFHpA	375-85-9	2.95	41.3	40.3	95.2		36.8	40.4	83.9	12.6		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFHxS	355-46-4	3.28	34.3	40.3	76.9		35.3	40.4	79.2	2.95		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
6:2 FTS	27619-97-2	ND	37.8	40.3	93.7		32.9	40.4	81.4	14.0		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFOA	335-67-1	6.79	42.6	40.3	88.7		39.5	40.4	81.0	9.07		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFHpS	375-92-8	ND	39.9	40.3	98.3		41.8	40.4	103	4.67		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFNA	375-95-1	20.4	60.0	40.3	98.3		52.1	40.4	78.6	22.3		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFOSA	754-91-6	ND	34.0	40.3	84.4		36.6	40.4	90.5	6.98		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFOS	1763-23-1	3.23	36.4	40.3	82.2		41.9	40.4	95.6	15.1		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFDA	335-76-2	ND	34.1	40.3	82.0		34.8	40.4	83.5	1.81		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
8:2 FTS	39108-34-4	ND	36.8	40.3	91.3		29.9	40.4	74.1	20.8		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
MeFOSAA	2355-31-9	ND	51.3	40.3	127		36.3	40.4	90.0	34.1	H	70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
EtFOSAA	2991-50-6	ND	30.0	40.3	74.3		31.6	40.4	78.1	4.99		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFUnA	2058-94-8	ND	35.7	40.3	85.3		34.8	40.4	83.0	2.73		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFDS	335-77-3	ND	46.3	40.3	115		45.0	40.4	111	3.54		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFDoA	307-55-1	ND	31.5	40.3	78.3		31.1	40.4	76.9	1.80		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFTrDA	72629-94-8	ND	32.9	40.3	81.6		35.8	40.4	88.7	8.34		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1
PFTeDA	376-06-7	ND	35.8	40.3	89.0		32.4	40.4	80.3	10.3		70-130	30	14-Jul-18 02:18	1	14-Jul-18 02:29	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBA	IS	93.9		92.9		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C3-PFPeA	IS	96.8		92.7		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C3-PFBS	IS	102		98.1		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFHxA	IS	97.6		94.1		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C4-PFHpA	IS	95.4		99.8		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
18O2-PFHxS	IS	92.3		90.7		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFOA	IS	84.6		91.7		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C5-PFNA	IS	83.4		81.2		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C8-PFOSA	IS	98.0		95.3		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C8-PFOS	IS	96.0		89.9		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFDA	IS	79.1		79.4		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
d3-MeFOSAA	IS	93.0		101		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1

Sample ID: SA-SW201-20180626 **PFAS Isotope Dilution Method**

Name:	Tetra Tech	Lab Sample:	B8G0006-MS1/B8G0006-MSD1	Source Lab Sample:	1801486-06
Project:	NWIRP Calverton/ 112G08005-WE05	QC Batch:	B8G0006	Date Extracted:	05-Jul-18
Matrix:	Aqueous	Samp Size:	0.248/0.248 L	Column:	BEH C18

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
d5-EtFOSAA	IS	113		106		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFUnA	IS	88.0		86.2		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFDoA	IS	83.3		88.3		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1
13C2-PFTeDA	IS	105		108		50-150	14-Jul-18 02:18	1	14-Jul-18 02:29	1

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8G0006

Chemist: 7R

Prep Date: 7.5.18

Prep Time: 9:10

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: 7/03/18 HB 7R | BalanceID: HRMS-8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g) 7/6/18 ST	Sample Amt. (L) 7/6/18 ST	IS/NS CHEM/WIT DATE	Supelco ENVI-Carb SPE Lot: 10186603	RS CHEM/WIT DATE
☐	B8G0006-BLK1	5	2	0	2	NA	NA	(0.250)	7R HN 7.5.18	7R 7.5.18	7R MJ 7.5.18
☐	B8G0006-BS1	5	2	0	2	↓	↓	(0.250)	↓	↓	↓
☒	B8G0006-MS1 (A)(C)(D) 1801486-06	4	2	0	2 7R 7.5.18	~~278.07~~ 275.88	27.69	0.24814	✓		
☒	B8G0006-MSD1 (A)(C)(D) 1801486-06	4	2	0	2 7R 7.5.18	~~277.55~~ 275.29	27.53	0.24776	✓		
☒	1801486-01 (B)(E)(E)(D)(G)	5	2	0	2	274.95	27.46	~~0.247.05~~ 7/6/18 ST 0.24705	✓		
☒	1801486-02 (D)	4	2	0	2	271.16	27.42	0.24374	✓		
☒	1801486-03 (D)	4	2	0	2	285.44	27.43	0.25801	✓		
☒	1801486-04 (A)(B)(C)(D)	4	2	0	2	~~273.23~~ 271.22	27.61	0.24361	✓		
☒	1801486-05 (A)(D)(E)	4	2	0	2 7.5.18	266.84	26.91	0.23993	✓		
☒	1801486-06 (A)(C)(D)	4	2	0	2 7R	~~282.67~~ 280.67	27.65	0.25302	✓		
☐	1801486-07	4	2	0	2 7R 7.5.18	289.89	26.94	0.26295	✓		
☒	1801486-08 (A)(C)(D)	4	2	0	2 7R 7.5.18	~~277.11~~ 275.25	27.69	0.24756	✓		
☒	1801486-09 (A)(D)(E)	4	2	0	2	279.98	27.77	0.25221	✓		
☒	1801486-10 (A)(D)(E)	4	2	0	2	272.94	26.94	0.24600	✓		
☐	1801486-11	6	2	0	4	281.80	27.69	0.25411			
☐	1801501-09	4	2	0	2	146.22	26.74	0.11948	↓	↓	↓

IS: 18F0405, 10µL (V6)

IS SUP: NA

NS: 18F2025, 10µL (V4)

RS: 18F0406, 10µL (V6)

SPE Chem: Strata X-AW 33µm 200mg 6mL

Ele SOLV: MeOH/0.5% NH_4OH in MeOH

Final Volume(s): 1 mL

Notes:
(A) sample centrifuged, but water still deeply colored; no more particulate centrifuged out. HB 7/03/18
(B) Sample was centrifuged twice 7R 7.3.18
(C) Sample had a dark brown percipitate after being taken out of WR-2. Sample was centrifuged again. 7R 7.5.18
(D) Sample was foamy after being shaken 7R 7.5.18
(E) Sample clogged the cartridge. An additional cartridge was used to continue SPE. Elutes were later recombined with corresponding samples using Hach meter 7R 7.5.18

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8G0006

Chemist: 7R

Prep Date: 7.5.18

Prep Time: 9:10

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: HB 7/03/18 7R | BalanceID: HRMS-8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g) 7/6/18 ST	Sample Amt. (L) 7/6/18 ST	IS/NS CHEM/WIT DATE	Supelco ENVI-Carb SPE Lot: 10186603	RS CHEM/WIT DATE
☐	1801502-06	4	2	0	2	142.51	26.66	0.11585	7R HN 7.5.18	7R 7.5.18	7R MJ 7.5.18
☐	1801502-13	4	2	0	2	147.50	26.70	0.12080	↓	↓	↓

IS: 18F0405, 10µL (V6)

IS SUP: NA

NS: 18F2025, 10µL (V4)

RS: 18F0406, 10µL (V6)

SPE Chem: Strata X-AW 33µm 200mg/6mL

Ele SOLV: MeOH/0.5% NH4OH in MeOH

Final Volume(s) 1mL

Notes: (G) Vacuum was used to simulate a gravity drip during elution for sample 7R 7.5.18

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-IIS AREAS.qld

Last Altered: Saturday, July 14, 2018 13:35:47 Pacific Daylight Time
Printed: Saturday, July 14, 2018 14:01:03 Pacific Daylight Time

INJECTED INTERNAL STANDARD AREAS

Name: 180713M2_59, Date: 14-Jul-2018, Time: 02:29:04, ID: B8G0006-MSD1 Matrix Spike Dup 0.24776, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0006-MSD1 Matrix Spike Dup 0.247...	8.96e3	99.8	NO
2	2	13C5-PFHxA	B8G0006-MSD1 Matrix Spike Dup 0.247...	9.95e3	107.0	NO
3	3	13C3-PFHxS	B8G0006-MSD1 Matrix Spike Dup 0.247...	2.62e3	115.3	NO
4	4	13C8-PFOA	B8G0006-MSD1 Matrix Spike Dup 0.247...	1.12e4	104.1	NO
5	5	13C9-PFNA	B8G0006-MSD1 Matrix Spike Dup 0.247...	1.18e4	120.7	NO
6	6	13C4-PFOS	B8G0006-MSD1 Matrix Spike Dup 0.247...	2.66e3	108.7	NO
7	7	13C6-PFDA	B8G0006-MSD1 Matrix Spike Dup 0.247...	1.19e4	106.2	NO
8	8	13C7-PFUdA	B8G0006-MSD1 Matrix Spike Dup 0.247...	1.39e4	89.4	NO

Name: 180713M2_60, Date: 14-Jul-2018, Time: 02:39:35, ID: B8G0006-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8G0006-BLK1 Method Blank 0.25	7.57e3	84.4	NO
2	2	13C5-PFHxA	B8G0006-BLK1 Method Blank 0.25	8.61e3	92.7	NO
3	3	13C3-PFHxS	B8G0006-BLK1 Method Blank 0.25	2.13e3	93.4	NO
4	4	13C8-PFOA	B8G0006-BLK1 Method Blank 0.25	9.47e3	88.2	NO
5	5	13C9-PFNA	B8G0006-BLK1 Method Blank 0.25	1.03e4	105.4	NO
6	6	13C4-PFOS	B8G0006-BLK1 Method Blank 0.25	2.46e3	100.5	NO
7	7	13C6-PFDA	B8G0006-BLK1 Method Blank 0.25	9.92e3	88.7	NO
8	8	13C7-PFUdA	B8G0006-BLK1 Method Blank 0.25	1.34e4	85.7	NO

Name: 180713M2_61, Date: 14-Jul-2018, Time: 02:49:59, ID: 1801486-01 FT-SW10-20180626 0.24705, Description: FT-SW10-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-01 FT-SW10-20180626 0.24705	7.98e3	88.9	NO
2	2	13C5-PFHxA	1801486-01 FT-SW10-20180626 0.24705	8.87e3	95.4	NO
3	3	13C3-PFHxS	1801486-01 FT-SW10-20180626 0.24705	2.21e3	97.2	NO
4	4	13C8-PFOA	1801486-01 FT-SW10-20180626 0.24705	9.80e3	91.2	NO
5	5	13C9-PFNA	1801486-01 FT-SW10-20180626 0.24705	1.02e4	104.5	NO
6	6	13C4-PFOS	1801486-01 FT-SW10-20180626 0.24705	2.65e3	108.4	NO
7	7	13C6-PFDA	1801486-01 FT-SW10-20180626 0.24705	1.03e4	91.9	NO
8	8	13C7-PFUdA	1801486-01 FT-SW10-20180626 0.24705	1.36e4	87.5	NO

Name: 180713M2_62, Date: 14-Jul-2018, Time: 03:00:30, ID: 1801486-02 FT-SW12-20180626 0.24374, Description: FT-SW12-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-02 FT-SW12-20180626 0.24374	8.38e3	93.4	NO
2	2	13C5-PFHxA	1801486-02 FT-SW12-20180626 0.24374	9.60e3	103.4	NO
3	3	13C3-PFHxS	1801486-02 FT-SW12-20180626 0.24374	2.12e3	93.0	NO
4	4	13C8-PFOA	1801486-02 FT-SW12-20180626 0.24374	9.54e3	88.9	NO
5	5	13C9-PFNA	1801486-02 FT-SW12-20180626 0.24374	1.06e4	108.3	NO
6	6	13C4-PFOS	1801486-02 FT-SW12-20180626 0.24374	2.97e3	121.5	NO
7	7	13C6-PFDA	1801486-02 FT-SW12-20180626 0.24374	9.71e3	86.8	NO
8	8	13C7-PFUdA	1801486-02 FT-SW12-20180626 0.24374	1.40e4	89.7	NO

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-IIS AREAS.qld

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Name: 180713M2_63, Date: 14-Jul-2018, Time: 03:10:54, ID: 1801486-03 FT-SW13-20180626 0.25801, Description: FT-SW13-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-03 FT-SW13-20180626 0.25801	8.76e3	97.6	NO
2	2	13C5-PFHxA	1801486-03 FT-SW13-20180626 0.25801	9.99e3	107.5	NO
3	3	13C3-PFHxS	1801486-03 FT-SW13-20180626 0.25801	2.47e3	108.5	NO
4	4	13C8-PFOA	1801486-03 FT-SW13-20180626 0.25801	1.12e4	104.6	NO
5	5	13C9-PFNA	1801486-03 FT-SW13-20180626 0.25801	1.15e4	117.9	NO
6	6	13C4-PFOS	1801486-03 FT-SW13-20180626 0.25801	2.96e3	120.9	NO
7	7	13C6-PFDA	1801486-03 FT-SW13-20180626 0.25801	1.19e4	106.5	NO
8	8	13C7-PFUdA	1801486-03 FT-SW13-20180626 0.25801	1.39e4	88.9	NO

Name: 180713M2_64, Date: 14-Jul-2018, Time: 03:21:24, ID: 1801486-04 SW-DP01-20180626 0.24361, Description: SW-DP01-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-04 SW-DP01-20180626 0.243...	7.21e3	80.3	NO
2	2	13C5-PFHxA	1801486-04 SW-DP01-20180626 0.243...	7.99e3	86.0	NO
3	3	13C3-PFHxS	1801486-04 SW-DP01-20180626 0.243...	2.01e3	88.2	NO
4	4	13C8-PFOA	1801486-04 SW-DP01-20180626 0.243...	9.11e3	84.8	NO
5	5	13C9-PFNA	1801486-04 SW-DP01-20180626 0.243...	8.90e3	91.1	NO
6	6	13C4-PFOS	1801486-04 SW-DP01-20180626 0.243...	2.31e3	94.6	NO
7	7	13C6-PFDA	1801486-04 SW-DP01-20180626 0.243...	8.32e3	74.4	NO
8	8	13C7-PFUdA	1801486-04 SW-DP01-20180626 0.243...	1.07e4	68.6	NO

Name: 180713M2_65, Date: 14-Jul-2018, Time: 03:31:49, ID: 1801486-05 SW-DP02-20180626 0.23993, Description: SW-DP02-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-05 SW-DP02-20180626 0.239...	7.86e3	87.5	NO
2	2	13C5-PFHxA	1801486-05 SW-DP02-20180626 0.239...	8.92e3	96.0	NO
3	3	13C3-PFHxS	1801486-05 SW-DP02-20180626 0.239...	2.06e3	90.7	NO
4	4	13C8-PFOA	1801486-05 SW-DP02-20180626 0.239...	1.02e4	95.4	NO
5	5	13C9-PFNA	1801486-05 SW-DP02-20180626 0.239...	9.56e3	97.7	NO
6	6	13C4-PFOS	1801486-05 SW-DP02-20180626 0.239...	2.43e3	99.3	NO
7	7	13C6-PFDA	1801486-05 SW-DP02-20180626 0.239...	1.06e4	94.7	NO
8	8	13C7-PFUdA	1801486-05 SW-DP02-20180626 0.239...	1.29e4	82.8	NO

Name: 180713M2_66, Date: 14-Jul-2018, Time: 03:42:19, ID: 1801486-06 SA-SW201-20180626 0.25302, Description: SA-SW201-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-06 SA-SW201-20180626 0.25...	7.12e3	79.3	NO
2	2	13C5-PFHxA	1801486-06 SA-SW201-20180626 0.25...	8.17e3	87.9	NO
3	3	13C3-PFHxS	1801486-06 SA-SW201-20180626 0.25...	1.94e3	85.2	NO
4	4	13C8-PFOA	1801486-06 SA-SW201-20180626 0.25...	8.38e3	78.1	NO
5	5	13C9-PFNA	1801486-06 SA-SW201-20180626 0.25...	9.35e3	95.7	NO
6	6	13C4-PFOS	1801486-06 SA-SW201-20180626 0.25...	2.31e3	94.4	NO
7	7	13C6-PFDA	1801486-06 SA-SW201-20180626 0.25...	9.44e3	84.4	NO
8	8	13C7-PFUdA	1801486-06 SA-SW201-20180626 0.25...	1.32e4	84.5	NO

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Name: 180713M2_67, Date: 14-Jul-2018, Time: 03:52:44, ID: 1801486-07 SA-SW201-FRB-20180626 0.26295, Description: SA-SW201-FRB-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-07 SA-SW201-FRB-20180626...	7.22e3	80.4	NO
2	2	13C5-PFHxA	1801486-07 SA-SW201-FRB-20180626...	7.75e3	83.4	NO
3	3	13C3-PFHxS	1801486-07 SA-SW201-FRB-20180626...	1.99e3	87.5	NO
4	4	13C8-PFOA	1801486-07 SA-SW201-FRB-20180626...	8.17e3	76.0	NO
5	5	13C9-PFNA	1801486-07 SA-SW201-FRB-20180626...	9.46e3	96.7	NO
6	6	13C4-PFOS	1801486-07 SA-SW201-FRB-20180626...	2.38e3	97.3	NO
7	7	13C6-PFDA	1801486-07 SA-SW201-FRB-20180626...	8.85e3	79.1	NO
8	8	13C7-PFUdA	1801486-07 SA-SW201-FRB-20180626...	1.36e4	87.3	NO

Name: 180713M2_68, Date: 14-Jul-2018, Time: 04:03:15, ID: 1801486-08 SA-SW204-20180626 0.24756, Description: SA-SW204-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-08 SA-SW204-20180626 0.24...	7.27e3	81.0	NO
2	2	13C5-PFHxA	1801486-08 SA-SW204-20180626 0.24...	7.99e3	86.0	NO
3	3	13C3-PFHxS	1801486-08 SA-SW204-20180626 0.24...	2.02e3	88.8	NO
4	4	13C8-PFOA	1801486-08 SA-SW204-20180626 0.24...	9.61e3	89.5	NO
5	5	13C9-PFNA	1801486-08 SA-SW204-20180626 0.24...	9.88e3	101.1	NO
6	6	13C4-PFOS	1801486-08 SA-SW204-20180626 0.24...	2.46e3	100.6	NO
7	7	13C6-PFDA	1801486-08 SA-SW204-20180626 0.24...	9.29e3	83.0	NO
8	8	13C7-PFUdA	1801486-08 SA-SW204-20180626 0.24...	1.21e4	77.8	NO

Name: 180713M2_69, Date: 14-Jul-2018, Time: 04:13:39, ID: 1801486-09 SA-SW301-20180626 0.25221, Description: SA-SW301-20180626

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1801486-09 SA-SW301-20180626 0.25...	6.63e3	73.9	NO
2	2	13C5-PFHxA	1801486-09 SA-SW301-20180626 0.25...	7.64e3	82.2	NO
3	3	13C3-PFHxS	1801486-09 SA-SW301-20180626 0.25...	1.79e3	78.5	NO
4	4	13C8-PFOA	1801486-09 SA-SW301-20180626 0.25...	8.62e3	80.3	NO
5	5	13C9-PFNA	1801486-09 SA-SW301-20180626 0.25...	8.93e3	91.3	NO
6	6	13C4-PFOS	1801486-09 SA-SW301-20180626 0.25...	2.15e3	87.8	NO
7	7	13C6-PFDA	1801486-09 SA-SW301-20180626 0.25...	8.33e3	74.5	NO
8	8	13C7-PFUdA	1801486-09 SA-SW301-20180626 0.25...	1.20e4	76.7	NO

Name: 180713M2_70, Date: 14-Jul-2018, Time: 04:24:09, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA			NO

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Name: 180713M2_71, Date: 14-Jul-2018, Time: 04:34:34, ID: ST180713M2-13 PFC CS3 18G0509, Description: PFC CS3 18G0509

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180713M2-13 PFC CS3 18G0509	7.58e3	84.5	NO
2	2 13C5-PFHxA	ST180713M2-13 PFC CS3 18G0509	1.12e4	120.7	NO
3	3 13C3-PFHxS	ST180713M2-13 PFC CS3 18G0509	2.72e3	119.6	NO
4	4 13C8-PFOA	ST180713M2-13 PFC CS3 18G0509	1.15e4	106.9	NO
5	5 13C9-PFNA	ST180713M2-13 PFC CS3 18G0509	1.25e4	127.7	NO
6	6 13C4-PFOS	ST180713M2-13 PFC CS3 18G0509	3.13e3	127.7	NO
7	7 13C6-PFDA	ST180713M2-13 PFC CS3 18G0509	1.28e4	114.0	NO
8	8 13C7-PFUdA	ST180713M2-13 PFC CS3 18G0509	1.80e4	115.2	NO

Name: 180713M2_72, Date: 14-Jul-2018, Time: 04:45:05, ID: ST180713M2-14 PFC CS0 18G0506, Description: PFC CS0 18G0506

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST180713M2-14 PFC CS0 18G0506	7.38e3	82.3	NO
2	2 13C5-PFHxA	ST180713M2-14 PFC CS0 18G0506	1.04e4	112.4	NO
3	3 13C3-PFHxS	ST180713M2-14 PFC CS0 18G0506	2.49e3	109.3	NO
4	4 13C8-PFOA	ST180713M2-14 PFC CS0 18G0506	1.21e4	112.6	NO
5	5 13C9-PFNA	ST180713M2-14 PFC CS0 18G0506	1.23e4	125.3	NO
6	6 13C4-PFOS	ST180713M2-14 PFC CS0 18G0506	2.94e3	120.1	NO
7	7 13C6-PFDA	ST180713M2-14 PFC CS0 18G0506	1.13e4	100.7	NO
8	8 13C7-PFUdA	ST180713M2-14 PFC CS0 18G0506	1.74e4	111.7	NO

Name: 180713M2_73, Date: 14-Jul-2018, Time: 04:55:30, ID: 1801486-10 SA-DUP01-20180626 0.246, Description: SA-DUP01-20180626

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801486-10 SA-DUP01-20180626 0.246	7.08e3	78.9	NO
2	2 13C5-PFHxA	1801486-10 SA-DUP01-20180626 0.246	7.99e3	85.9	NO
3	3 13C3-PFHxS	1801486-10 SA-DUP01-20180626 0.246	1.95e3	85.8	NO
4	4 13C8-PFOA	1801486-10 SA-DUP01-20180626 0.246	8.72e3	81.2	NO
5	5 13C9-PFNA	1801486-10 SA-DUP01-20180626 0.246	9.63e3	98.4	NO
6	6 13C4-PFOS	1801486-10 SA-DUP01-20180626 0.246	2.40e3	98.0	NO
7	7 13C6-PFDA	1801486-10 SA-DUP01-20180626 0.246	9.29e3	83.0	NO
8	8 13C7-PFUdA	1801486-10 SA-DUP01-20180626 0.246	1.11e4	71.3	NO

Name: 180713M2_74, Date: 14-Jul-2018, Time: 05:06:00, ID: 1801486-11 CA-AQIDW01-20180626 0.25411, Description: CA-AQIDW01-20180626

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1801486-11 CA-AQIDW01-20180626 0....	7.07e3	78.8	NO
2	2 13C5-PFHxA	1801486-11 CA-AQIDW01-20180626 0....	8.38e3	90.2	NO
3	3 13C3-PFHxS	1801486-11 CA-AQIDW01-20180626 0....	1.99e3	87.6	NO
4	4 13C8-PFOA	1801486-11 CA-AQIDW01-20180626 0....	8.86e3	82.5	NO
5	5 13C9-PFNA	1801486-11 CA-AQIDW01-20180626 0....	9.32e3	95.3	NO
6	6 13C4-PFOS	1801486-11 CA-AQIDW01-20180626 0....	2.59e3	106.0	NO
7	7 13C6-PFDA	1801486-11 CA-AQIDW01-20180626 0....	9.53e3	85.1	NO
8	8 13C7-PFUdA	1801486-11 CA-AQIDW01-20180626 0....	1.35e4	86.6	NO

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
1	1	180713M2_1	IPA	13-Jul-18	16:22:10
2	2	180713M2_2	ST180713M2-1 PFC CS-2 18G0504	13-Jul-18	16:32:35
3	3	180713M2_3	ST180713M2-2 PFC CS-1 18G0505	13-Jul-18	16:43:04
4	4	180713M2_4	ST180713M2-3 PFC CS0 18G0506	13-Jul-18	16:53:30
5	5	180713M2_5	ST180713M2-4 PFC CS1 18G0507	13-Jul-18	17:04:00
6	6	180713M2_6	ST180713M2-5 PFC CS2 18G0508	13-Jul-18	17:14:24
7	7	180713M2_7	ST180713M2-6 PFC CS3 18G0509	13-Jul-18	17:24:55
8	8	180713M2_8	ST180713M2-7 PFC CS4 18G0510	13-Jul-18	17:35:19
9	9	180713M2_9	ST180713M2-8 PFC CS5 18G0511	13-Jul-18	17:45:50
10	10	180713M2_10	ST180713M2-9 PFC CS6 18G0512	13-Jul-18	17:56:15
11	11	180713M2_11	ST180713M2-10 PFC CS7 18G0513	13-Jul-18	18:06:45
12	12	180713M2_12	IPA	13-Jul-18	18:17:33
13	13	180713M2_13	ICV180713M2-1 PFC 537 ICV 18G0514	13-Jul-18	18:27:59
14	14	180713M2_14	B8F0196-BS1 OPR 1	13-Jul-18	18:38:29
15	15	180713M2_15	B8F0196-MS1 Matrix Spike 1.01	13-Jul-18	18:48:59
16	16	180713M2_16	B8F0196-MSD1 Matrix Spike Dup 1.01	13-Jul-18	18:59:24
17	17	180713M2_17	B8F0196-BLK1 Method Blank 1	13-Jul-18	19:09:54
18	18	180713M2_18	1801388-03 MCLPCH292 1.04	13-Jul-18	19:20:16
19	19	180713M2_19	1801388-04 MCLPCH298 1.01	13-Jul-18	19:30:46
20	20	180713M2_20	1801388-06 MCLPCH305 1.13	13-Jul-18	19:41:17
21	21	180713M2_21	1801388-07 MCLPCH306 1.35	13-Jul-18	19:51:47
22	22	180713M2_22	1801388-09 MCLPCH308 1.22	13-Jul-18	20:02:12
23	23	180713M2_23	1801388-10 MCLPCH309 1.32	13-Jul-18	20:12:43
24	24	180713M2_24	1801388-11 MCLPCH314 1.25	13-Jul-18	20:23:07
25	25	180713M2_25	1801388-12 MCLPCH315 1.36	13-Jul-18	20:33:37
26	26	180713M2_26	1801388-13 MCLPCH324 1.07	13-Jul-18	20:44:02
27	27	180713M2_27	1801388-14 MCLPCH323 1.43	13-Jul-18	20:54:32
28	28	180713M2_28	IPA	13-Jul-18	21:04:57
29	29	180713M2_29	ST180713M2-11 PFC CS3 18G0509	13-Jul-18	21:15:27
30	30	180713M2_30	1801388-15 MCLPCH320 1.1	13-Jul-18	21:25:52
31	31	180713M2_31	1801388-16 MCLPCH321 1.05	13-Jul-18	21:36:23
32	32	180713M2_32	1801388-17 MCLPCH392 1.05	13-Jul-18	21:46:47

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
33	33	180713M2_33	1801388-18 MCLPCH293 1.13	13-Jul-18	21:57:18
34	34	180713M2_34	1801388-19 MCLPCH294 1.2	13-Jul-18	22:07:42
35	35	180713M2_35	B8G0003-BS1 OPR 0.125	13-Jul-18	22:18:13
36	36	180713M2_36	B8G0003-MS1 Matrix Spike 0.11902	13-Jul-18	22:28:37
37	37	180713M2_37	B8G0003-MSD1 Matrix Spike Dup 0.117...	13-Jul-18	22:39:08
38	38	180713M2_38	B8G0003-BLK1 Method Blank 0.125	13-Jul-18	22:49:32
39	39	180713M2_39	1801167-01RE1 REEPDW1118FRB 0.1...	13-Jul-18	23:00:03
40	40	180713M2_40	1801167-02RE1 REEPDW1113FRB 0.1...	13-Jul-18	23:10:25
41	41	180713M2_41	1801167-05RE1 REEPDW1117FRB 0.1...	13-Jul-18	23:20:55
42	42	180713M2_42	1801490-01 REEPDW1180 0.11671	13-Jul-18	23:31:20
43	43	180713M2_43	1801490-02 REEPDW567 0.11621	13-Jul-18	23:41:50
44	44	180713M2_44	1801490-03 REEPDW1181 0.11605	13-Jul-18	23:52:15
45	45	180713M2_45	1801490-04 REEPDW1182 0.11959	14-Jul-18	00:02:45
46	46	180713M2_46	1801490-05 REEPDW1183 0.11851	14-Jul-18	00:13:10
47	47	180713M2_47	IPA	14-Jul-18	00:23:41
48	48	180713M2_48	ST180713M2-12 PFC CS3 18G0509	14-Jul-18	00:34:05
49	49	180713M2_49	1801490-06 REEPDW1184 0.11562	14-Jul-18	00:44:36
50	50	180713M2_50	1801490-07 REEPDW1185 0.11546	14-Jul-18	00:55:00
51	51	180713M2_51	1801491-01 REEPDW1180FRB 0.11925	14-Jul-18	01:05:31
52	52	180713M2_52	1801491-02 REEPDW1181FRB 0.11884	14-Jul-18	01:15:56
53	53	180713M2_53	1801491-03 REEPDW1182FRB 0.11814	14-Jul-18	01:26:27
54	54	180713M2_54	1801491-04 REEPDW1183FRB 0.11809	14-Jul-18	01:36:52
55	55	180713M2_55	1801491-05 REEPDW1184FRB 0.11912	14-Jul-18	01:47:14
56	56	180713M2_56	1801491-06 REEPDW1185FRB 0.11729	14-Jul-18	01:57:44
57	57	180713M2_57	B8G0006-BS1 OPR 0.25	14-Jul-18	02:08:09
58	58	180713M2_58	B8G0006-MS1 Matrix Spike 0.24814	14-Jul-18	02:18:39
59	59	180713M2_59	B8G0006-MSD1 Matrix Spike Dup 0.247...	14-Jul-18	02:29:04
60	60	180713M2_60	B8G0006-BLK1 Method Blank 0.25	14-Jul-18	02:39:35
61	61	180713M2_61	1801486-01 FT-SW10-20180626 0.24705	14-Jul-18	02:49:59
62	62	180713M2_62	1801486-02 FT-SW12-20180626 0.24374	14-Jul-18	03:00:30
63	63	180713M2_63	1801486-03 FT-SW13-20180626 0.25801	14-Jul-18	03:10:54
64	64	180713M2_64	1801486-04 SW-DP01-20180626 0.243...	14-Jul-18	03:21:24
65	65	180713M2_65	1801486-05 SW-DP02-20180626 0.239...	14-Jul-18	03:31:49
66	66	180713M2_66	1801486-06 SA-SW201-20180626 0.25...	14-Jul-18	03:42:19
67	67	180713M2_67	1801486-07 SA-SW201-FRB-20180626...	14-Jul-18	03:52:44
68	68	180713M2_68	1801486-08 SA-SW204-20180626 0.24...	14-Jul-18	04:03:15

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
69	69	180713M2_69	1801486-09 SA-SW301-20180626 0.25...	14-Jul-18	04:13:39
70	70	180713M2_70	IPA	14-Jul-18	04:24:09
71	71	180713M2_71	ST180713M2-13 PFC CS3 18G0509	14-Jul-18	04:34:34
72	72	180713M2_72	ST180713M2-14 PFC CS0 18G0506	14-Jul-18	04:45:05
73	73	180713M2_73	1801486-10 SA-DUP01-20180626 0.246	14-Jul-18	04:55:30
74	74	180713M2_74	1801486-11 CA-AQIDW01-20180626 0....	14-Jul-18	05:06:00
75	75	180713M2_75	1801501-09 MCLPCH428 0.11948	14-Jul-18	05:16:26
76	76	180713M2_76	1801502-06 MCLPCB410 0.11585	14-Jul-18	05:26:56
77	77	180713M2_77	1801502-13 MCLPCD419 0.1208	14-Jul-18	05:37:21
78	78	180713M2_78	1801385-01@5X B-5-GW 0.2557	14-Jul-18	05:47:51
79	79	180713M2_79	1801385-02@5X B-5-GW DUP 0.25193	14-Jul-18	05:58:16
80	80	180713M2_80	1801385-03 B-6-GW 0.25052	14-Jul-18	06:08:46
81	81	180713M2_81	B8G0042-BS1 OPR 1	14-Jul-18	06:19:11
82	82	180713M2_82	B8G0042-BLK1 Method Blank 1	14-Jul-18	06:29:41
83	83	180713M2_83	1801266-04RE1 TP-1 1.12	14-Jul-18	06:40:06
84	84	180713M2_84	1801266-06RE1 TP-3 1.11	14-Jul-18	06:50:36
85	85	180713M2_85	IPA	14-Jul-18	07:01:06
86	86	180713M2_86	ST180713M2-15 PFC CS3 18G0509	14-Jul-18	07:11:31
87	87	180713M2_87	1801278-01RE1 HS-SB-224- (8-10) 1.12	14-Jul-18	07:22:02
88	88	180713M2_88	1801278-02RE1 HS-SB-129- (7-8) 1.1	14-Jul-18	07:32:26
89	89	180713M2_89	1801351-01RE1 HS-SB-118- (7-8)- EPA...	14-Jul-18	07:42:56
90	90	180713M2_90	1801366-10RE1 PGW-1 (2-4) 1.13	14-Jul-18	07:53:22
91	91	180713M2_91	1801366-11RE1 PGW-2 (1-1.5) 1.04	14-Jul-18	08:03:52
92	92	180713M2_92	1801366-12RE1 PGW-3 (1-2) 1.05	14-Jul-18	08:14:17
93	93	180713M2_93	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	14-Jul-18	08:24:48
94	94	180713M2_94	B8G0001-BS1 OPR 0.125	14-Jul-18	08:35:13
95	95	180713M2_95	B8G0001-BLK1 Method Blank 0.125	14-Jul-18	08:45:43
96	96	180713M2_96	1801494-01 Field Blank 0.11836	14-Jul-18	08:56:08
97	97	180713M2_97	1801494-02 Equip Blank 0.11849	14-Jul-18	09:06:38
98	98	180713M2_98	1801494-03 DW 0.11381	14-Jul-18	09:17:02
99	99	180713M2_99	1801494-04 MW-4 0.11665	14-Jul-18	09:29:42
100	1...	180713M2_100	1801494-05 MW-2 0.11525	14-Jul-18	09:40:07
101	1...	180713M2_101	IPA	14-Jul-18	09:50:37
102	1...	180713M2_102	ST180713M2-16 PFC CS3 18G0509	14-Jul-18	10:01:02
103	1...	180713M2_103	1801494-06 MW-1 0.11893	14-Jul-18	10:11:32
104	1...	180713M2_104	1801495-01 MW-5 0.11744	14-Jul-18	10:21:58

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
105	1...	180713M2_105	1801495-02 MW-102 0.11321	14-Jul-18	10:32:28
106	1...	180713M2_106	1801495-03 MW-2 0.11609	14-Jul-18	10:42:53
107	1...	180713M2_107	1801495-04 MW-3R 0.11651	14-Jul-18	10:53:24
108	1...	180713M2_108	1801497-01 Raw Water 0.11411	14-Jul-18	11:03:46
109	1...	180713M2_109	1801497-02 Finished Water 0.11702	14-Jul-18	11:14:17
110	1...	180713M2_110	1801498-01 BAR SINK /001 0.11897	14-Jul-18	11:24:41
111	1...	180713M2_111	IPA	14-Jul-18	11:35:11
112	1...	180713M2_112	ST180713M2-17 PFC CS3 18G0509	14-Jul-18	11:45:36
113	1...	180713M2_113	QC_180711_DT10	14-Jul-18	11:56:07
114	1...	180713M2_114	QC_180711_DT11	14-Jul-18	12:06:31
115	1...	180713M2_115	QC_180711_DT12	14-Jul-18	12:17:01
116	1...	180713M2_116	QC_180711_DT13	14-Jul-18	12:27:32
117	1...	180713M2_117	QC_180711_DT14	14-Jul-18	12:37:56
118	1...	180713M2_118	QC_180711_DT15	14-Jul-18	12:48:26
119	1...	180713M2_119	QC_180711_QC200	14-Jul-18	12:58:50
120	1...	180713M2_120	QC_180711_QC225	14-Jul-18	13:09:20
121	1...	180713M2_121	QC_180711_QC250	14-Jul-18	13:19:45

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-48.qld

CCV

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JGM 7/15/18 AG 7/15/18

Name: 180713M2_48, Date: 14-Jul-2018, Time: 00:34:05, ID: ST180713M2-12 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	5988.646	6692.338	1.00	1.33	11.186	9.7	96.6	NO		
2	2	PFPeA	263.1 > 218.9	9089.261	11197.732	1.00	2.33	10.146	9.7	97.1	NO		
3	3	PFBS	299.0 > 79.7	2009.804	1390.655	1.00	2.63	18.065	9.1	91.1	NO	2.634	NO
4	4	4:2 FTS	327.2>307.2	2129.727	2634.245	1.00	3.03	10.106	10.6	105.5	NO	1.744	NO
5	5	PFHxA	313.2 > 268.9	10991.187	3265.752	1.00	3.12	16.828	10.0	100.5	NO	351.943	NO
6	6	PFPeS	349.1>80.1	1870.557	1390.655	1.00	3.32	16.814	9.2	91.9	NO	1.715	NO
7	36	13C3-PFBA	216.1 > 171.8	6692.338	7229.121	1.00	1.34	11.572	12.6	101.1	NO		
8	37	13C3-PFPeA	266. > 221.8	11197.732	11889.188	1.00	2.33	11.773	11.9	95.3	NO		
9	38	13C3-PFBS	302. > 98.8	1390.655	11889.188	1.00	2.62	1.462	12.2	97.6	NO		
10	39	13C2-4:2 FTS	329.2>308.9	2634.245	11889.188	1.00	3.03	2.770	11.4	91.6	NO		
11	40	13C2-PFHxA	315 > 269.8	3265.752	11889.188	1.00	3.12	3.434	4.6	92.1	NO		
12	38	13C3-PFBS	302. > 98.8	1390.655	11889.188	1.00	2.62	1.462	12.2	97.6	NO		
13	-1												
14	10	6:2 FTS	427.1 > 407	1818.201	2348.365	1.00	4.21	9.678	9.3	93.0	NO	2.782	NO
15	7	PFHpA	363.0 > 318.9	8403.846	8891.813	1.00	3.74	11.814	10.3	103.1	NO	17.270	NO
16	8	L-PFHxS	398.9 > 79.6	1399.144	959.911	1.00	3.89	18.220	9.7	96.7	NO	1.483	NO
17	11	L-PFOA	413 > 368.7	9250.543	10616.578	1.00	4.26	10.892	10.5	105.1	NO	3.639	NO
18	13	PFHpS	449 > 80.0	1685.840	3312.526	1.00	4.38	6.362	7.9	79.4	NO	1.644	NO
19	14	PFNA	463.0 > 418.8	11450.498	12572.485	1.00	4.70	11.384	9.8	98.5	NO	4.360	NO
20	43	13C2-6:2 FTS	429.1 > 408.9	2348.365	11792.047	1.00	4.21	2.489	11.7	93.7	NO		
21	41	13C4-PFHpA	367.2 > 321.8	8891.813	11889.188	1.00	3.74	9.349	11.5	92.2	NO		
22	42	18O2-PFHxS	403.0 > 102.6	959.911	2495.823	1.00	3.89	4.808	11.8	94.1	NO		
23	44	13C2-PFOA	414.9 > 369.7	10616.578	11792.047	1.00	4.27	11.254	11.9	95.2	NO		
24	47	13C8-PFOS	507.0 > 79.9	3312.526	2958.625	1.00	4.78	13.995	12.6	100.9	NO		
25	45	13C5-PFNA	468.2 > 422.9	12572.485	11829.022	1.00	4.70	13.286	13.6	108.5	NO		
26	-1												
27	15	PFOSA	498.2 > 77.9	4315.404	6006.535	1.00	4.76	8.981	9.3	93.5	NO	34.721	NO
28	16	L-PFOS	499.1 > 79.9	2328.907	3312.526	1.00	4.78	8.788	10.3	102.8	NO	1.907	NO
29	18	PFDA	513 > 468.8	12111.275	12343.815	1.00	5.07	12.265	9.5	95.3	NO	5.319	NO
30	19	8:2 FTS	527 > 506.9	2606.924	2146.448	1.00	5.04	15.182	10.1	101.3	NO	2.338	NO
31	20	PFNS	549.1>80.1	2145.153	3312.526	1.00	5.14	8.095	9.9	98.8	NO	1.635	NO
32	21	L-MeFOSAA	570.1 > 419	3942.756	4157.845	1.00	5.23	11.853	11.1	111.0	NO	13.924	NO
33	46	13C8-PFOSA	506.1 > 77.7	6006.535	17486.678	1.00	4.76	4.294	14.2	113.4	NO		
34	47	13C8-PFOS	507.0 > 79.9	3312.526	2958.625	1.00	4.78	13.995	12.6	100.9	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-48.qld

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Name: 180713M2_48, Date: 14-Jul-2018, Time: 00:34:05, ID: ST180713M2-12 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48	13C2-PFDA	515.1 > 469.9	12343.815	12544.480	1.00	5.08	12.300	12.2	97.7	NO		
36	49	13C2-8:2 FTS	529.1 > 508.7	2146.448	11889.188	1.00	5.05	2.257	11.6	92.5	NO		
37	47	13C8-PFOS	507.0 > 79.9	3312.526	2958.625	1.00	4.78	13.995	12.6	100.9	NO		
38	50	d3-N-MeFOSAA	573.3 > 419	4157.845	17486.678	1.00	5.22	2.972	11.5	92.0	NO		
39	-1												
40	23	L-EtFOSAA	584.2 > 419	4073.712	6188.744	1.00	5.38	8.228	9.0	90.3	NO	26.261	YES
41	27	PFDoA	612.9 > 569.0	17552.434	17035.244	1.00	5.68	12.879	9.3	93.2	NO	8.660	NO
42	26	PFDS	598.8 > 80	2456.270	16400.445	1.00	5.45	1.872	9.6	95.9	NO	1.936	NO
43	25	PFUdA	563.0 > 518.9	12951.079	16400.445	1.00	5.40	9.871	9.2	92.2	NO	13.572	NO
44	28	N-MeFOSA	512.1 > 168.9	7623.865	22116.496	1.00	5.76	51.707	53.3	106.6	NO	1.370	NO
45	29	PFTrDA	662.9 > 618.9	16492.926	17035.244	1.00	5.93	12.102	9.4	93.6	NO	24.536	NO
46	51	d5-N-EtFOSAA	589.3 > 419	6188.744	17486.678	1.00	5.38	4.424	15.8	126.5	NO		
47	53	13C2-PFDoA	615.0 > 569.7	17035.244	12544.480	1.00	5.68	16.975	13.4	107.6	NO		
48	52	13C2-PFUdA	565 > 519.8	16400.445	17486.678	1.00	5.40	11.724	13.0	103.6	NO		
49	52	13C2-PFUdA	565 > 519.8	16400.445	17486.678	1.00	5.40	11.724	13.0	103.6	NO		
50	54	d3-N-MeFOSA	515.2 > 168.9	22116.496	17486.678	1.00	5.79	15.810	152.0	101.4	NO		
51	53	13C2-PFDoA	615.0 > 569.7	17035.244	12544.480	1.00	5.68	16.975	13.4	107.6	NO		
52	-1												
53	30	PFTeDA	712.9 > 668.8	14490.825	11134.585	1.00	6.14	16.268	9.3	93.0	NO	10.989	NO
54	31	N-EtFOSA	526.1 > 168.9	7911.924	25270.012	1.00	6.17	46.964	53.4	106.9	NO	1.449	NO
55	32	PFHxDA	813.1 > 768.6	7953.690	6447.514	1.00	6.47	6.168	10.0	99.7	NO	25.045	NO
56	33	PFODA	913.1 > 868.8	12356.059	6447.514	1.00	6.70	9.582	10.4	104.1	NO		
57	34	N-MeFOSE	616.1 > 58.9	8488.589	26517.498	1.00	6.34	48.017	49.5	99.1	NO		
58	35	N-EtFOSE	630.1 > 58.9	10207.941	24428.262	1.00	6.49	62.681	54.7	109.4	NO		
59	55	13C2-PFTeDA	714.8 > 669.6	11134.585	17486.678	1.00	6.14	7.959	13.9	110.9	NO		
60	56	d5-N-ETFOSA	531.1 > 168.9	25270.012	17486.678	1.00	6.19	18.064	156.9	104.6	NO		
61	57	13C2-PFHxDA	815 > 769.7	6447.514	17486.678	1.00	6.47	4.609	5.2	104.8	NO		
62	57	13C2-PFHxDA	815 > 769.7	6447.514	17486.678	1.00	6.47	4.609	5.2	104.8	NO		
63	58	d7-N-MeFOSE	623.1 > 58.9	26517.498	17486.678	1.00	6.33	18.956	159.4	106.3	NO		
64	59	d9-N-EtFOSE	639.2 > 58.8	24428.262	17486.678	1.00	6.47	17.462	150.7	100.5	NO		
65	-1												
66	60	13C4-PFBA	217. > 171.8	7229.121	7229.121	1.00	1.33	12.500	12.5	100.0	NO		
67	61	13C5-PFHxA	318 > 272.9	11889.188	11889.188	1.00	3.12	12.500	12.5	100.0	NO		
68	62	13C3-PFHxS	401.9 > 79.9	2495.823	2495.823	1.00	3.89	12.500	12.5	100.0	NO		

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Name: 180713M2_48, Date: 14-Jul-2018, Time: 00:34:05, ID: ST180713M2-12 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63	13C8-PFOA	421.3 > 376	11792.047	11792.047	1.00	4.27	12.500	12.5	100.0	NO		
70	64	13C9-PFNA	472.2 > 426.9	11829.022	11829.022	1.00	4.70	12.500	12.5	100.0	NO		
71	65	13C4-PFOS	503 > 79.9	2958.625	2958.625	1.00	4.78	12.500	12.5	100.0	NO		
72	66	13C6-PFDA	519.1 > 473.7	12544.480	12544.480	1.00	5.08	12.500	12.5	100.0	NO		
73	67	13C7-PFUdA	570.1 > 524.8	17486.678	17486.678	1.00	5.40	12.500	12.5	100.0	NO		

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
1	1	180713M2_1	IPA	13-Jul-18	16:22:10
2	2	180713M2_2	ST180713M2-1 PFC CS-2 18G0504	13-Jul-18	16:32:35
3	3	180713M2_3	ST180713M2-2 PFC CS-1 18G0505	13-Jul-18	16:43:04
4	4	180713M2_4	ST180713M2-3 PFC CS0 18G0506	13-Jul-18	16:53:30
5	5	180713M2_5	ST180713M2-4 PFC CS1 18G0507	13-Jul-18	17:04:00
6	6	180713M2_6	ST180713M2-5 PFC CS2 18G0508	13-Jul-18	17:14:24
7	7	180713M2_7	ST180713M2-6 PFC CS3 18G0509	13-Jul-18	17:24:55
8	8	180713M2_8	ST180713M2-7 PFC CS4 18G0510	13-Jul-18	17:35:19
9	9	180713M2_9	ST180713M2-8 PFC CS5 18G0511	13-Jul-18	17:45:50
10	10	180713M2_10	ST180713M2-9 PFC CS6 18G0512	13-Jul-18	17:56:15
11	11	180713M2_11	ST180713M2-10 PFC CS7 18G0513	13-Jul-18	18:06:45
12	12	180713M2_12	IPA	13-Jul-18	18:17:33
13	13	180713M2_13	ICV180713M2-1 PFC 537 ICV 18G0514	13-Jul-18	18:27:59
14	14	180713M2_14	B8F0196-BS1 OPR 1	13-Jul-18	18:38:29
15	15	180713M2_15	B8F0196-MS1 Matrix Spike 1.01	13-Jul-18	18:48:59
16	16	180713M2_16	B8F0196-MSD1 Matrix Spike Dup 1.01	13-Jul-18	18:59:24
17	17	180713M2_17	B8F0196-BLK1 Method Blank 1	13-Jul-18	19:09:54
18	18	180713M2_18	1801388-03 MCLPCH292 1.04	13-Jul-18	19:20:16
19	19	180713M2_19	1801388-04 MCLPCH298 1.01	13-Jul-18	19:30:46
20	20	180713M2_20	1801388-06 MCLPCH305 1.13	13-Jul-18	19:41:17
21	21	180713M2_21	1801388-07 MCLPCH306 1.35	13-Jul-18	19:51:47
22	22	180713M2_22	1801388-09 MCLPCH308 1.22	13-Jul-18	20:02:12
23	23	180713M2_23	1801388-10 MCLPCH309 1.32	13-Jul-18	20:12:43
24	24	180713M2_24	1801388-11 MCLPCH314 1.25	13-Jul-18	20:23:07
25	25	180713M2_25	1801388-12 MCLPCH315 1.36	13-Jul-18	20:33:37
26	26	180713M2_26	1801388-13 MCLPCH324 1.07	13-Jul-18	20:44:02
27	27	180713M2_27	1801388-14 MCLPCH323 1.43	13-Jul-18	20:54:32
28	28	180713M2_28	IPA	13-Jul-18	21:04:57
29	29	180713M2_29	ST180713M2-11 PFC CS3 18G0509	13-Jul-18	21:15:27
30	30	180713M2_30	1801388-15 MCLPCH320 1.1	13-Jul-18	21:25:52
31	31	180713M2_31	1801388-16 MCLPCH321 1.05	13-Jul-18	21:36:23
32	32	180713M2_32	1801388-17 MCLPCH392 1.05	13-Jul-18	21:46:47

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
33	33	180713M2_33	1801388-18 MCLPCH293 1.13	13-Jul-18	21:57:18
34	34	180713M2_34	1801388-19 MCLPCH294 1.2	13-Jul-18	22:07:42
35	35	180713M2_35	B8G0003-BS1 OPR 0.125	13-Jul-18	22:18:13
36	36	180713M2_36	B8G0003-MS1 Matrix Spike 0.11902	13-Jul-18	22:28:37
37	37	180713M2_37	B8G0003-MSD1 Matrix Spike Dup 0.117...	13-Jul-18	22:39:08
38	38	180713M2_38	B8G0003-BLK1 Method Blank 0.125	13-Jul-18	22:49:32
39	39	180713M2_39	1801167-01RE1 REEPDW1118FRB 0.1...	13-Jul-18	23:00:03
40	40	180713M2_40	1801167-02RE1 REEPDW1113FRB 0.1...	13-Jul-18	23:10:25
41	41	180713M2_41	1801167-05RE1 REEPDW1117FRB 0.1...	13-Jul-18	23:20:55
42	42	180713M2_42	1801490-01 REEPDW1180 0.11671	13-Jul-18	23:31:20
43	43	180713M2_43	1801490-02 REEPDW567 0.11621	13-Jul-18	23:41:50
44	44	180713M2_44	1801490-03 REEPDW1181 0.11605	13-Jul-18	23:52:15
45	45	180713M2_45	1801490-04 REEPDW1182 0.11959	14-Jul-18	00:02:45
46	46	180713M2_46	1801490-05 REEPDW1183 0.11851	14-Jul-18	00:13:10
47	47	180713M2_47	IPA	14-Jul-18	00:23:41
48	48	180713M2_48	ST180713M2-12 PFC CS3 18G0509	14-Jul-18	00:34:05
49	49	180713M2_49	1801490-06 REEPDW1184 0.11562	14-Jul-18	00:44:36
50	50	180713M2_50	1801490-07 REEPDW1185 0.11546	14-Jul-18	00:55:00
51	51	180713M2_51	1801491-01 REEPDW1180FRB 0.11925	14-Jul-18	01:05:31
52	52	180713M2_52	1801491-02 REEPDW1181FRB 0.11884	14-Jul-18	01:15:56
53	53	180713M2_53	1801491-03 REEPDW1182FRB 0.11814	14-Jul-18	01:26:27
54	54	180713M2_54	1801491-04 REEPDW1183FRB 0.11809	14-Jul-18	01:36:52
55	55	180713M2_55	1801491-05 REEPDW1184FRB 0.11912	14-Jul-18	01:47:14
56	56	180713M2_56	1801491-06 REEPDW1185FRB 0.11729	14-Jul-18	01:57:44
57	57	180713M2_57	B8G0006-BS1 OPR 0.25	14-Jul-18	02:08:09
58	58	180713M2_58	B8G0006-MS1 Matrix Spike 0.24814	14-Jul-18	02:18:39
59	59	180713M2_59	B8G0006-MSD1 Matrix Spike Dup 0.247...	14-Jul-18	02:29:04
60	60	180713M2_60	B8G0006-BLK1 Method Blank 0.25	14-Jul-18	02:39:35
61	61	180713M2_61	1801486-01 FT-SW10-20180626 0.24705	14-Jul-18	02:49:59
62	62	180713M2_62	1801486-02 FT-SW12-20180626 0.24374	14-Jul-18	03:00:30
63	63	180713M2_63	1801486-03 FT-SW13-20180626 0.25801	14-Jul-18	03:10:54
64	64	180713M2_64	1801486-04 SW-DP01-20180626 0.243...	14-Jul-18	03:21:24
65	65	180713M2_65	1801486-05 SW-DP02-20180626 0.239...	14-Jul-18	03:31:49
66	66	180713M2_66	1801486-06 SA-SW201-20180626 0.25...	14-Jul-18	03:42:19
67	67	180713M2_67	1801486-07 SA-SW201-FRB-20180626...	14-Jul-18	03:52:44
68	68	180713M2_68	1801486-08 SA-SW204-20180626 0.24...	14-Jul-18	04:03:15

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
69	69	180713M2_69	1801486-09 SA-SW301-20180626 0.25...	14-Jul-18	04:13:39
70	70	180713M2_70	IPA	14-Jul-18	04:24:09
71	71	180713M2_71	ST180713M2-13 PFC CS3 18G0509	14-Jul-18	04:34:34
72	72	180713M2_72	ST180713M2-14 PFC CS0 18G0506	14-Jul-18	04:45:05
73	73	180713M2_73	1801486-10 SA-DUP01-20180626 0.246	14-Jul-18	04:55:30
74	74	180713M2_74	1801486-11 CA-AQIDW01-20180626 0....	14-Jul-18	05:06:00
75	75	180713M2_75	1801501-09 MCLPCH428 0.11948	14-Jul-18	05:16:26
76	76	180713M2_76	1801502-06 MCLPCB410 0.11585	14-Jul-18	05:26:56
77	77	180713M2_77	1801502-13 MCLPCD419 0.1208	14-Jul-18	05:37:21
78	78	180713M2_78	1801385-01@5X B-5-GW 0.2557	14-Jul-18	05:47:51
79	79	180713M2_79	1801385-02@5X B-5-GW DUP 0.25193	14-Jul-18	05:58:16
80	80	180713M2_80	1801385-03 B-6-GW 0.25052	14-Jul-18	06:08:46
81	81	180713M2_81	B8G0042-BS1 OPR 1	14-Jul-18	06:19:11
82	82	180713M2_82	B8G0042-BLK1 Method Blank 1	14-Jul-18	06:29:41
83	83	180713M2_83	1801266-04RE1 TP-1 1.12	14-Jul-18	06:40:06
84	84	180713M2_84	1801266-06RE1 TP-3 1.11	14-Jul-18	06:50:36
85	85	180713M2_85	IPA	14-Jul-18	07:01:06
86	86	180713M2_86	ST180713M2-15 PFC CS3 18G0509	14-Jul-18	07:11:31
87	87	180713M2_87	1801278-01RE1 HS-SB-224- (8-10) 1.12	14-Jul-18	07:22:02
88	88	180713M2_88	1801278-02RE1 HS-SB-129- (7-8) 1.1	14-Jul-18	07:32:26
89	89	180713M2_89	1801351-01RE1 HS-SB-118- (7-8)- EPA...	14-Jul-18	07:42:56
90	90	180713M2_90	1801366-10RE1 PGW-1 (2-4) 1.13	14-Jul-18	07:53:22
91	91	180713M2_91	1801366-11RE1 PGW-2 (1-1.5) 1.04	14-Jul-18	08:03:52
92	92	180713M2_92	1801366-12RE1 PGW-3 (1-2) 1.05	14-Jul-18	08:14:17
93	93	180713M2_93	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	14-Jul-18	08:24:48
94	94	180713M2_94	B8G0001-BS1 OPR 0.125	14-Jul-18	08:35:13
95	95	180713M2_95	B8G0001-BLK1 Method Blank 0.125	14-Jul-18	08:45:43
96	96	180713M2_96	1801494-01 Field Blank 0.11836	14-Jul-18	08:56:08
97	97	180713M2_97	1801494-02 Equip Blank 0.11849	14-Jul-18	09:06:38
98	98	180713M2_98	1801494-03 DW 0.11381	14-Jul-18	09:17:02
99	99	180713M2_99	1801494-04 MW-4 0.11665	14-Jul-18	09:29:42
100	1...	180713M2_100	1801494-05 MW-2 0.11525	14-Jul-18	09:40:07
101	1...	180713M2_101	IPA	14-Jul-18	09:50:37
102	1...	180713M2_102	ST180713M2-16 PFC CS3 18G0509	14-Jul-18	10:01:02
103	1...	180713M2_103	1801494-06 MW-1 0.11893	14-Jul-18	10:11:32
104	1...	180713M2_104	1801495-01 MW-5 0.11744	14-Jul-18	10:21:58

low level concentration

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
105	1...	180713M2_105	1801495-02 MW-102 0.11321	14-Jul-18	10:32:28
106	1...	180713M2_106	1801495-03 MW-2 0.11609	14-Jul-18	10:42:53
107	1...	180713M2_107	1801495-04 MW-3R 0.11651	14-Jul-18	10:53:24
108	1...	180713M2_108	1801497-01 Raw Water 0.11411	14-Jul-18	11:03:46
109	1...	180713M2_109	1801497-02 Finished Water 0.11702	14-Jul-18	11:14:17
110	1...	180713M2_110	1801498-01 BAR SINK /001 0.11897	14-Jul-18	11:24:41
111	1...	180713M2_111	IPA	14-Jul-18	11:35:11
112	1...	180713M2_112	ST180713M2-17 PFC CS3 18G0509	14-Jul-18	11:45:36
113	1...	180713M2_113	QC_180711_DT10	14-Jul-18	11:56:07
114	1...	180713M2_114	QC_180711_DT11	14-Jul-18	12:06:31
115	1...	180713M2_115	QC_180711_DT12	14-Jul-18	12:17:01
116	1...	180713M2_116	QC_180711_DT13	14-Jul-18	12:27:32
117	1...	180713M2_117	QC_180711_DT14	14-Jul-18	12:37:56
118	1...	180713M2_118	QC_180711_DT15	14-Jul-18	12:48:26
119	1...	180713M2_119	QC_180711_QC200	14-Jul-18	12:58:50
120	1...	180713M2_120	QC_180711_QC225	14-Jul-18	13:09:20
121	1...	180713M2_121	QC_180711_QC250	14-Jul-18	13:19:45

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Jgm 7/15/18

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AR 7/15/18

Name: 180713M2_71, Date: 14-Jul-2018, Time: 04:34:34, ID: ST180713M2-13 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	6212.522	6924.995	1.00	1.33	11.214	9.7	96.9	NO		
2	2	PFPeA	263.1 > 218.9	9264.324	11213.724	1.00	2.32	10.327	9.9	98.8	NO		
3	3	PFBS	299.0 > 79.7	2137.908	1250.832	1.00	2.62	21.365	10.8	107.7	NO	2.514	NO
4	4	4:2 FTS	327.2>307.2	2018.849	2314.511	1.00	3.03	10.903	11.4	114.4	NO	1.696	NO
5	5	PFHxA	313.2 > 268.9	10691.428	3252.863	1.00	3.12	16.434	9.8	98.1	NO	212.947	NO
6	6	PFPeS	349.1>80.1	1929.882	1250.832	1.00	3.32	19.286	10.5	105.4	NO	1.600	NO
7	36	13C3-PFBA	216.1 > 171.8	6924.995	7583.639	1.00	1.33	11.414	12.5	99.7	NO		
8	37	13C3-PFPeA	266. > 221.8	11213.724	11214.637	1.00	2.32	12.499	12.6	101.1	NO		
9	38	13C3-PFBS	302. > 98.8	1250.832	11214.637	1.00	2.62	1.394	11.6	93.0	NO		
10	39	13C2-4:2 FTS	329.2>308.9	2314.511	11214.637	1.00	3.03	2.580	10.7	85.3	NO		
11	40	13C2-PFHxA	315 > 269.8	3252.863	11214.637	1.00	3.11	3.626	4.9	97.2	NO		
12	38	13C3-PFBS	302. > 98.8	1250.832	11214.637	1.00	2.62	1.394	11.6	93.0	NO		
13	-1												
14	10	6:2 FTS	427.1 > 407	2024.569	2479.458	1.00	4.20	10.207	9.8	98.3	NO	2.664	NO
15	7	PFHpA	363.0 > 318.9	8102.238	8996.338	1.00	3.73	11.258	9.8	98.3	NO	17.646	NO
16	8	L-PFHxS	398.9 > 79.6	1606.816	1086.798	1.00	3.88	18.481	9.8	98.1	NO	1.643	NO
17	11	L-PFOA	413 > 368.7	8412.740	11029.375	1.00	4.26	9.534	9.2	92.0	NO	3.175	NO
18	13	PFHpS	449 > 80.0	2224.318	3097.464	1.00	4.37	8.976	11.2	112.1	NO	1.990	NO
19	14	PFNA	463.0 > 418.8	11157.699	12073.446	1.00	4.69	11.552	10.0	99.9	NO	4.225	NO
20	43	13C2-6:2 FTS	429.1 > 408.9	2479.458	11484.668	1.00	4.20	2.699	12.7	101.6	NO		
21	41	13C4-PFHpA	367.2 > 321.8	8996.338	11214.637	1.00	3.73	10.027	12.4	98.9	NO		
22	42	18O2-PFHxS	403.0 > 102.6	1086.798	2723.161	1.00	3.88	4.989	12.2	97.6	NO		
23	44	13C2-PFOA	414.9 > 369.7	11029.375	11484.668	1.00	4.26	12.004	12.7	101.5	NO		
24	47	13C8-PFOS	507.0 > 79.9	3097.464	3125.827	1.00	4.78	12.387	11.2	89.3	NO		
25	45	13C5-PFNA	468.2 > 422.9	12073.446	12487.568	1.00	4.69	12.085	12.3	98.7	NO		
26	-1												
27	15	PFOSA	498.2 > 77.9	3895.328	5913.688	1.00	4.75	8.234	8.6	85.6	NO	26.106	NO
28	16	L-PFOS	499.1 > 79.9	2356.980	3097.464	1.00	4.78	9.512	11.1	111.4	NO	1.973	NO
29	18	PFDA	513 > 468.8	12107.160	12443.495	1.00	5.07	12.162	9.4	94.5	NO	5.063	NO
30	19	8:2 FTS	527 > 506.9	2434.342	1918.680	1.00	5.04	15.859	10.6	106.0	NO	2.354	NO
31	20	PFNS	549.1>80.1	2267.210	3097.464	1.00	5.13	9.149	11.2	111.8	NO	1.649	NO
32	21	L-MeFOSAA	570.1 > 419	4688.087	4355.112	1.00	5.22	13.456	12.6	126.0	NO	16.863	NO
33	46	13C8-PFOSA	506.1 > 77.7	5913.688	17960.621	1.00	4.75	4.116	13.6	108.7	NO		
34	47	13C8-PFOS	507.0 > 79.9	3097.464	3125.827	1.00	4.78	12.387	11.2	89.3	NO		

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Name: 180713M2_71, Date: 14-Jul-2018, Time: 04:34:34, ID: ST180713M2-13 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48	13C2-PFDA	515.1 > 469.9	12443.495	12761.282	1.00	5.07	12.189	12.1	96.8	NO		
36	49	13C2-8:2 FTS	529.1 > 508.7	1918.680	11214.637	1.00	5.04	2.139	11.0	87.7	NO		
37	47	13C8-PFOS	507.0 > 79.9	3097.464	3125.827	1.00	4.78	12.387	11.2	89.3	NO		
38	50	d3-N-MeFOSAA	573.3 > 419	4355.112	17960.621	1.00	5.22	3.031	11.7	93.8	NO		
39	-1												
40	23	L-EtFOSAA	584.2 > 419	3837.038	5240.301	1.00	5.38	9.153	10.1	100.7	NO	11.598	NO
41	27	PFDoA	612.9 > 569.0	15753.021	16870.555	1.00	5.67	11.672	8.4	84.5	NO	7.888	NO
42	26	PFDS	598.8 > 80	2491.981	16858.434	1.00	5.44	1.848	9.5	94.7	NO	2.638	NO
43	25	PFUdA	563.0 > 518.9	13485.955	16858.434	1.00	5.39	9.999	9.3	93.4	NO	10.761	NO
44	28	N-MeFOSA	512.1 > 168.9	7825.818	22985.287	1.00	5.76	51.071	52.6	105.2	NO	1.362	NO
45	29	PFTrDA	662.9 > 618.9	16866.820	16870.555	1.00	5.92	12.497	9.7	96.6	NO	21.517	NO
46	51	d5-N-EtFOSAA	589.3 > 419	5240.301	17960.621	1.00	5.37	3.647	13.0	104.3	NO		
47	53	13C2-PFDoA	615.0 > 569.7	16870.555	12761.282	1.00	5.67	16.525	13.1	104.7	NO		
48	52	13C2-PFUdA	565 > 519.8	16858.434	17960.621	1.00	5.39	11.733	13.0	103.7	NO		
49	52	13C2-PFUdA	565 > 519.8	16858.434	17960.621	1.00	5.39	11.733	13.0	103.7	NO		
50	54	d3-N-MeFOSA	515.2 > 168.9	22985.287	17960.621	1.00	5.78	15.997	153.9	102.6	NO		
51	53	13C2-PFDoA	615.0 > 569.7	16870.555	12761.282	1.00	5.67	16.525	13.1	104.7	NO		
52	-1												
53	30	PFTeDA	712.9 > 668.8	14742.521	9683.273	1.00	6.13	19.031	10.9	109.0	NO	10.369	NO
54	31	N-EtFOSA	526.1 > 168.9	8250.074	26091.578	1.00	6.17	47.430	54.0	107.9	NO	1.434	NO
55	32	PFHxDA	813.1 > 768.6	6803.960	6272.634	1.00	6.47	5.424	8.8	87.6	NO	20.670	NO
56	33	PFODA	913.1 > 868.8	12215.325	6272.634	1.00	6.69	9.737	10.6	105.8	NO		
57	34	N-MeFOSE	616.1 > 58.9	9276.630	25881.688	1.00	6.33	53.764	55.5	111.0	NO		
58	35	N-EtFOSE	630.1 > 58.9	10010.085	27394.871	1.00	6.48	54.810	47.8	95.7	NO		
59	55	13C2-PFTeDA	714.8 > 669.6	9683.273	17960.621	1.00	6.13	6.739	11.7	93.9	NO		
60	56	d5-N-ETFOSA	531.1 > 168.9	26091.578	17960.621	1.00	6.18	18.159	157.8	105.2	NO		
61	57	13C2-PFHxDA	815 > 769.7	6272.634	17960.621	1.00	6.47	4.366	5.0	99.3	NO		
62	57	13C2-PFHxDA	815 > 769.7	6272.634	17960.621	1.00	6.47	4.366	5.0	99.3	NO		
63	58	d7-N-MeFOSE	623.1 > 58.9	25881.688	17960.621	1.00	6.32	18.013	151.5	101.0	NO		
64	59	d9-N-EtFOSE	639.2 > 58.8	27394.871	17960.621	1.00	6.46	19.066	164.5	109.7	NO		
65	-1												
66	60	13C4-PFBA	217. > 171.8	7583.639	7583.639	1.00	1.33	12.500	12.5	100.0	NO		
67	61	13C5-PFHxA	318 > 272.9	11214.637	11214.637	1.00	3.11	12.500	12.5	100.0	NO		
68	62	13C3-PFHxS	401.9 > 79.9	2723.161	2723.161	1.00	3.88	12.500	12.5	100.0	NO		

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Name: 180713M2_71, Date: 14-Jul-2018, Time: 04:34:34, ID: ST180713M2-13 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63	13C8-PFOA	421.3 > 376	11484.668	11484.668	1.00	4.26	12.500	12.5	100.0	NO		
70	64	13C9-PFNA	472.2 > 426.9	12487.568	12487.568	1.00	4.69	12.500	12.5	100.0	NO		
71	65	13C4-PFOS	503 > 79.9	3125.827	3125.827	1.00	4.78	12.500	12.5	100.0	NO		
72	66	13C6-PFDA	519.1 > 473.7	12761.282	12761.282	1.00	5.07	12.500	12.5	100.0	NO		
73	67	13C7-PFUdA	570.1 > 524.8	17960.621	17960.621	1.00	5.39	12.500	12.5	100.0	NO		

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CCV LOW LEVEL CONCENTRATION

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JAM 7/15/18

AR 7/15/18

(A) Recovery NOT out LCL is 70%

AR 7/15/18

Name: 180713M2_72, Date: 14-Jul-2018, Time: 04:45:05, ID: ST180713M2-14 PFC CS0 18G0506, Description: PFC CS0 18G0506

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	555.678	6821.936	1.00	1.33	1.018	0.9	91.5	NO		
2	2	PFPeA	263.1 > 218.9	940.181	10885.298	1.00	2.32	1.080	1.1	105.7	NO		
3	3	PFBS	299.0 > 79.7	212.741	1312.587	1.00	2.62	2.026	1.0	103.4	NO	2.972	NO
4	4	4:2 FTS	327.2>307.2	176.576	2229.409	1.00	3.03	0.990	0.9	93.8	NO	1.493	NO
5	5	PFHxA	313.2 > 268.9	1072.667	3305.438	1.00	3.11	1.623	1.0	96.6	NO	272.112	NO
6	6	PFPeS	349.1>80.1	188.166	1312.587	1.00	3.32	1.792	1.0	96.9	NO	2.362	YES
7	36	13C3-PFBA	216.1 > 171.8	6821.936	7384.981	1.00	1.33	11.547	12.6	100.8	NO		
8	37	13C3-PFPeA	266. > 221.8	10885.298	10447.528	1.00	2.32	13.024	13.2	105.4	NO		
9	38	13C3-PFBS	302. > 98.8	1312.587	10447.528	1.00	2.61	1.570	13.1	104.8	NO		
10	39	13C2-4:2 FTS	329.2>308.9	2229.409	10447.528	1.00	3.03	2.667	11.0	88.2	NO		
11	40	13C2-PFHxA	315 > 269.8	3305.438	10447.528	1.00	3.11	3.955	5.3	106.0	NO		
12	38	13C3-PFBS	302. > 98.8	1312.587	10447.528	1.00	2.61	1.570	13.1	104.8	NO		
13	-1												
14	10	6:2 FTS	427.1 > 407	220.903	2465.147	1.00	4.20	1.120	1.0	101.3	NO	3.629	YES
15	7	PFHpA	363.0 > 318.9	953.516	9348.677	1.00	3.73	1.275	1.1	111.6	NO	23.731	YES
16	8	L-PFHxS	398.9 > 79.6	114.572	1010.124	1.00	3.89	1.418	0.8	80.8	NO	1.150	NO
17	11	L-PFOA	413 > 368.7	1038.043	11359.276	1.00	4.26	1.142	1.1	109.1	NO	3.425	NO
18	13	PFHpS	449 > 80.0	164.623	3311.069	1.00	4.37	0.621	0.8	75.5	NO	1.479	NO
19	14	PFNA	463.0 > 418.8	1059.762	10906.230	1.00	4.69	1.215	1.1	105.4	NO	5.188	YES
20	43	13C2-6:2 FTS	429.1 > 408.9	2465.147	12090.933	1.00	4.20	2.549	12.0	95.9	NO		
21	41	13C4-PFHpA	367.2 > 321.8	9348.677	10447.528	1.00	3.73	11.185	13.8	110.3	NO		
22	42	18O2-PFHxS	403.0 > 102.6	1010.124	2487.383	1.00	3.88	5.076	12.4	99.3	NO		
23	44	13C2-PFOA	414.9 > 369.7	11359.276	12090.933	1.00	4.26	11.744	12.4	99.3	NO		
24	47	13C8-PFOS	507.0 > 79.9	3311.069	2940.060	1.00	4.78	14.077	12.7	101.5	NO		
25	45	13C5-PFNA	468.2 > 422.9	10906.230	12250.309	1.00	4.69	11.129	11.4	90.9	NO		
26	-1												
27	15	PFOSA	498.2 > 77.9	451.403	5372.000	1.00	4.75	1.050	1.0	97.9	NO	87.566	YES
28	16	L-PFOS	499.1 > 79.9	198.112	3311.069	1.00	4.78	0.748	0.7	70.0	(A) YES	1.801	YES
29	18	PFDA	513 > 468.8	1233.661	11956.543	1.00	5.07	1.290	1.0	99.9	NO	5.283	NO
30	19	8:2 FTS	527 > 506.9	197.576	1669.567	1.00	5.04	1.479	1.1	107.3	NO	2.104	NO
31	20	PFNS	549.1>80.1	253.054	3311.069	1.00	5.13	0.955	1.1	109.1	NO	1.812	NO
32	21	L-MeFOSAA	570.1 > 419	418.392	3759.015	1.00	5.22	1.391	1.3	130.0	NO	22.046	YES
33	46	13C8-PFOSA	506.1 > 77.7	5372.000	17418.256	1.00	4.75	3.855	12.7	101.8	NO		
34	47	13C8-PFOS	507.0 > 79.9	3311.069	2940.060	1.00	4.78	14.077	12.7	101.5	NO		

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Name: 180713M2_72, Date: 14-Jul-2018, Time: 04:45:05, ID: ST180713M2-14 PFC CS0 18G0506, Description: PFC CS0 18G0506

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48	13C2-PFDA	515.1 > 469.9	11956.543	11275.657	1.00	5.07	13.255	13.2	105.3	NO		
36	49	13C2-8:2 FTS	529.1 > 508.7	1669.567	10447.528	1.00	5.04	1.998	10.2	81.9	NO		
37	47	13C8-PFOS	507.0 > 79.9	3311.069	2940.060	1.00	4.78	14.077	12.7	101.5	NO		
38	50	d3-N-MeFOSAA	573.3 > 419	3759.015	17418.256	1.00	5.22	2.698	10.4	83.5	NO		
39	-1												
40	23	L-EtFOSAA	584.2 > 419	376.674	5646.185	1.00	5.38	0.834	1.0	96.6	NO	14.633	NO
41	27	PFDoA	612.9 > 569.0	1413.173	17895.807	1.00	5.68	0.987	0.8	79.9	NO	7.041	NO
42	26	PFDS	598.8 > 80	245.658	15883.610	1.00	5.44	0.193	1.0	101.2	NO	2.695	NO
43	25	PFUdA	563.0 > 518.9	1307.431	15883.610	1.00	5.39	1.029	0.9	93.4	NO	10.611	NO
44	28	N-MeFOSA	512.1 > 168.9	727.560	22240.457	1.00	5.76	4.907	4.9	97.9	NO	1.259	NO
45	29	PFTrDA	662.9 > 618.9	1580.861	17895.807	1.00	5.92	1.104	0.8	82.6	NO	20.557	NO
46	51	d5-N-EtFOSAA	589.3 > 419	5646.185	17418.256	1.00	5.37	4.052	14.5	115.8	NO		
47	53	13C2-PFDoA	615.0 > 569.7	17895.807	11275.657	1.00	5.67	19.839	15.7	125.7	NO		
48	52	13C2-PFUdA	565 > 519.8	15883.610	17418.256	1.00	5.39	11.399	12.6	100.7	NO		
49	52	13C2-PFUdA	565 > 519.8	15883.610	17418.256	1.00	5.39	11.399	12.6	100.7	NO		
50	54	d3-N-MeFOSA	515.2 > 168.9	22240.457	17418.256	1.00	5.78	15.961	153.5	102.3	NO		
51	53	13C2-PFDoA	615.0 > 569.7	17895.807	11275.657	1.00	5.67	19.839	15.7	125.7	NO		
52	-1												
53	30	PFTeDA	712.9 > 668.8	1428.737	9625.166	1.00	6.13	1.855	1.0	104.1	NO	14.546	YES
54	31	N-EtFOSA	526.1 > 168.9	783.599	26599.445	1.00	6.17	4.419	5.0	99.2	NO	1.353	NO
55	32	PFHxDA	813.1 > 768.6	753.759	5651.645	1.00	6.47	0.667	1.1	108.1	NO	24.858	NO
56	33	PFODA	913.1 > 868.8	1293.850	5651.645	1.00	6.70	1.145	1.2	123.4	NO		
57	34	N-MeFOSE	616.1 > 58.9	770.039	23737.301	1.00	6.33	4.866	5.0	100.7	NO		
58	35	N-EtFOSE	630.1 > 58.9	987.584	26698.662	1.00	6.48	5.549	4.8	95.6	NO		
59	55	13C2-PFTeDA	714.8 > 669.6	9625.166	17418.256	1.00	6.13	6.907	12.0	96.2	NO		
60	56	d5-N-ETFOSA	531.1 > 168.9	26599.445	17418.256	1.00	6.18	19.089	165.8	110.6	NO		
61	57	13C2-PFHxDA	815 > 769.7	5651.645	17418.256	1.00	6.47	4.056	4.6	92.2	NO		
62	57	13C2-PFHxDA	815 > 769.7	5651.645	17418.256	1.00	6.47	4.056	4.6	92.2	NO		
63	58	d7-N-MeFOSE	623.1 > 58.9	23737.301	17418.256	1.00	6.32	17.035	143.3	95.5	NO		
64	59	d9-N-EtFOSE	639.2 > 58.8	26698.662	17418.256	1.00	6.47	19.160	165.4	110.2	NO		
65	-1												
66	60	13C4-PFBA	217. > 171.8	7384.981	7384.981	1.00	1.33	12.500	12.5	100.0	NO		
67	61	13C5-PFHxA	318 > 272.9	10447.528	10447.528	1.00	3.11	12.500	12.5	100.0	NO		
68	62	13C3-PFHxS	401.9 > 79.9	2487.383	2487.383	1.00	3.88	12.500	12.5	100.0	NO		

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Name: 180713M2_72, Date: 14-Jul-2018, Time: 04:45:05, ID: ST180713M2-14 PFC CS0 18G0506, Description: PFC CS0 18G0506

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63	13C8-PFOA	421.3 > 376	12090.933	12090.933	1.00	4.26	12.500	12.5	100.0	NO		
70	64	13C9-PFNA	472.2 > 426.9	12250.309	12250.309	1.00	4.69	12.500	12.5	100.0	NO		
71	65	13C4-PFOS	503 > 79.9	2940.060	2940.060	1.00	4.78	12.500	12.5	100.0	NO		
72	66	13C6-PFDA	519.1 > 473.7	11275.657	11275.657	1.00	5.07	12.500	12.5	100.0	NO		
73	67	13C7-PFUdA	570.1 > 524.8	17418.256	17418.256	1.00	5.39	12.500	12.5	100.0	NO		

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
1	1	180713M2_1	IPA	13-Jul-18	16:22:10
2	2	180713M2_2	ST180713M2-1 PFC CS-2 18G0504	13-Jul-18	16:32:35
3	3	180713M2_3	ST180713M2-2 PFC CS-1 18G0505	13-Jul-18	16:43:04
4	4	180713M2_4	ST180713M2-3 PFC CS0 18G0506	13-Jul-18	16:53:30
5	5	180713M2_5	ST180713M2-4 PFC CS1 18G0507	13-Jul-18	17:04:00
6	6	180713M2_6	ST180713M2-5 PFC CS2 18G0508	13-Jul-18	17:14:24
7	7	180713M2_7	ST180713M2-6 PFC CS3 18G0509	13-Jul-18	17:24:55
8	8	180713M2_8	ST180713M2-7 PFC CS4 18G0510	13-Jul-18	17:35:19
9	9	180713M2_9	ST180713M2-8 PFC CS5 18G0511	13-Jul-18	17:45:50
10	10	180713M2_10	ST180713M2-9 PFC CS6 18G0512	13-Jul-18	17:56:15
11	11	180713M2_11	ST180713M2-10 PFC CS7 18G0513	13-Jul-18	18:06:45
12	12	180713M2_12	IPA	13-Jul-18	18:17:33
13	13	180713M2_13	ICV180713M2-1 PFC 537 ICV 18G0514	13-Jul-18	18:27:59
14	14	180713M2_14	B8F0196-BS1 OPR 1	13-Jul-18	18:38:29
15	15	180713M2_15	B8F0196-MS1 Matrix Spike 1.01	13-Jul-18	18:48:59
16	16	180713M2_16	B8F0196-MSD1 Matrix Spike Dup 1.01	13-Jul-18	18:59:24
17	17	180713M2_17	B8F0196-BLK1 Method Blank 1	13-Jul-18	19:09:54
18	18	180713M2_18	1801388-03 MCLPCH292 1.04	13-Jul-18	19:20:16
19	19	180713M2_19	1801388-04 MCLPCH298 1.01	13-Jul-18	19:30:46
20	20	180713M2_20	1801388-06 MCLPCH305 1.13	13-Jul-18	19:41:17
21	21	180713M2_21	1801388-07 MCLPCH306 1.35	13-Jul-18	19:51:47
22	22	180713M2_22	1801388-09 MCLPCH308 1.22	13-Jul-18	20:02:12
23	23	180713M2_23	1801388-10 MCLPCH309 1.32	13-Jul-18	20:12:43
24	24	180713M2_24	1801388-11 MCLPCH314 1.25	13-Jul-18	20:23:07
25	25	180713M2_25	1801388-12 MCLPCH315 1.36	13-Jul-18	20:33:37
26	26	180713M2_26	1801388-13 MCLPCH324 1.07	13-Jul-18	20:44:02
27	27	180713M2_27	1801388-14 MCLPCH323 1.43	13-Jul-18	20:54:32
28	28	180713M2_28	IPA	13-Jul-18	21:04:57
29	29	180713M2_29	ST180713M2-11 PFC CS3 18G0509	13-Jul-18	21:15:27
30	30	180713M2_30	1801388-15 MCLPCH320 1.1	13-Jul-18	21:25:52
31	31	180713M2_31	1801388-16 MCLPCH321 1.05	13-Jul-18	21:36:23
32	32	180713M2_32	1801388-17 MCLPCH392 1.05	13-Jul-18	21:46:47

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
33	33	180713M2_33	1801388-18 MCLPCH293 1.13	13-Jul-18	21:57:18
34	34	180713M2_34	1801388-19 MCLPCH294 1.2	13-Jul-18	22:07:42
35	35	180713M2_35	B8G0003-BS1 OPR 0.125	13-Jul-18	22:18:13
36	36	180713M2_36	B8G0003-MS1 Matrix Spike 0.11902	13-Jul-18	22:28:37
37	37	180713M2_37	B8G0003-MSD1 Matrix Spike Dup 0.117...	13-Jul-18	22:39:08
38	38	180713M2_38	B8G0003-BLK1 Method Blank 0.125	13-Jul-18	22:49:32
39	39	180713M2_39	1801167-01RE1 REEPDW1118FRB 0.1...	13-Jul-18	23:00:03
40	40	180713M2_40	1801167-02RE1 REEPDW1113FRB 0.1...	13-Jul-18	23:10:25
41	41	180713M2_41	1801167-05RE1 REEPDW1117FRB 0.1...	13-Jul-18	23:20:55
42	42	180713M2_42	1801490-01 REEPDW1180 0.11671	13-Jul-18	23:31:20
43	43	180713M2_43	1801490-02 REEPDW567 0.11621	13-Jul-18	23:41:50
44	44	180713M2_44	1801490-03 REEPDW1181 0.11605	13-Jul-18	23:52:15
45	45	180713M2_45	1801490-04 REEPDW1182 0.11959	14-Jul-18	00:02:45
46	46	180713M2_46	1801490-05 REEPDW1183 0.11851	14-Jul-18	00:13:10
47	47	180713M2_47	IPA	14-Jul-18	00:23:41
48	48	180713M2_48	ST180713M2-12 PFC CS3 18G0509	14-Jul-18	00:34:05
49	49	180713M2_49	1801490-06 REEPDW1184 0.11562	14-Jul-18	00:44:36
50	50	180713M2_50	1801490-07 REEPDW1185 0.11546	14-Jul-18	00:55:00
51	51	180713M2_51	1801491-01 REEPDW1180FRB 0.11925	14-Jul-18	01:05:31
52	52	180713M2_52	1801491-02 REEPDW1181FRB 0.11884	14-Jul-18	01:15:56
53	53	180713M2_53	1801491-03 REEPDW1182FRB 0.11814	14-Jul-18	01:26:27
54	54	180713M2_54	1801491-04 REEPDW1183FRB 0.11809	14-Jul-18	01:36:52
55	55	180713M2_55	1801491-05 REEPDW1184FRB 0.11912	14-Jul-18	01:47:14
56	56	180713M2_56	1801491-06 REEPDW1185FRB 0.11729	14-Jul-18	01:57:44
57	57	180713M2_57	B8G0006-BS1 OPR 0.25	14-Jul-18	02:08:09
58	58	180713M2_58	B8G0006-MS1 Matrix Spike 0.24814	14-Jul-18	02:18:39
59	59	180713M2_59	B8G0006-MSD1 Matrix Spike Dup 0.247...	14-Jul-18	02:29:04
60	60	180713M2_60	B8G0006-BLK1 Method Blank 0.25	14-Jul-18	02:39:35
61	61	180713M2_61	1801486-01 FT-SW10-20180626 0.24705	14-Jul-18	02:49:59
62	62	180713M2_62	1801486-02 FT-SW12-20180626 0.24374	14-Jul-18	03:00:30
63	63	180713M2_63	1801486-03 FT-SW13-20180626 0.25801	14-Jul-18	03:10:54
64	64	180713M2_64	1801486-04 SW-DP01-20180626 0.243...	14-Jul-18	03:21:24
65	65	180713M2_65	1801486-05 SW-DP02-20180626 0.239...	14-Jul-18	03:31:49
66	66	180713M2_66	1801486-06 SA-SW201-20180626 0.25...	14-Jul-18	03:42:19
67	67	180713M2_67	1801486-07 SA-SW201-FRB-20180626...	14-Jul-18	03:52:44
68	68	180713M2_68	1801486-08 SA-SW204-20180626 0.24...	14-Jul-18	04:03:15

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Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
69	69	180713M2_69	1801486-09 SA-SW301-20180626 0.25...	14-Jul-18	04:13:39
70	70	180713M2_70	IPA	14-Jul-18	04:24:09
71	71	180713M2_71	ST180713M2-13 PFC CS3 18G0509	14-Jul-18	04:34:34
72	72	180713M2_72	ST180713M2-14 PFC CS0 18G0506	14-Jul-18	04:45:05
73	73	180713M2_73	1801486-10 SA-DUP01-20180626 0.246	14-Jul-18	04:55:30
74	74	180713M2_74	1801486-11 CA-AQIDW01-20180626 0....	14-Jul-18	05:06:00
75	75	180713M2_75	1801501-09 MCLPCH428 0.11948	14-Jul-18	05:16:26
76	76	180713M2_76	1801502-06 MCLPCB410 0.11585	14-Jul-18	05:26:56
77	77	180713M2_77	1801502-13 MCLPCD419 0.1208	14-Jul-18	05:37:21
78	78	180713M2_78	1801385-01@5X B-5-GW 0.2557	14-Jul-18	05:47:51
79	79	180713M2_79	1801385-02@5X B-5-GW DUP 0.25193	14-Jul-18	05:58:16
80	80	180713M2_80	1801385-03 B-6-GW 0.25052	14-Jul-18	06:08:46
81	81	180713M2_81	B8G0042-BS1 OPR 1	14-Jul-18	06:19:11
82	82	180713M2_82	B8G0042-BLK1 Method Blank 1	14-Jul-18	06:29:41
83	83	180713M2_83	1801266-04RE1 TP-1 1.12	14-Jul-18	06:40:06
84	84	180713M2_84	1801266-06RE1 TP-3 1.11	14-Jul-18	06:50:36
85	85	180713M2_85	IPA	14-Jul-18	07:01:06
86	86	180713M2_86	ST180713M2-15 PFC CS3 18G0509	14-Jul-18	07:11:31
87	87	180713M2_87	1801278-01RE1 HS-SB-224- (8-10) 1.12	14-Jul-18	07:22:02
88	88	180713M2_88	1801278-02RE1 HS-SB-129- (7-8) 1.1	14-Jul-18	07:32:26
89	89	180713M2_89	1801351-01RE1 HS-SB-118- (7-8)- EPA...	14-Jul-18	07:42:56
90	90	180713M2_90	1801366-10RE1 PGW-1 (2-4) 1.13	14-Jul-18	07:53:22
91	91	180713M2_91	1801366-11RE1 PGW-2 (1-1.5) 1.04	14-Jul-18	08:03:52
92	92	180713M2_92	1801366-12RE1 PGW-3 (1-2) 1.05	14-Jul-18	08:14:17
93	93	180713M2_93	1801376-01RE1 HS-SB-132 (8-9)- EPA ...	14-Jul-18	08:24:48
94	94	180713M2_94	B8G0001-BS1 OPR 0.125	14-Jul-18	08:35:13
95	95	180713M2_95	B8G0001-BLK1 Method Blank 0.125	14-Jul-18	08:45:43
96	96	180713M2_96	1801494-01 Field Blank 0.11836	14-Jul-18	08:56:08
97	97	180713M2_97	1801494-02 Equip Blank 0.11849	14-Jul-18	09:06:38
98	98	180713M2_98	1801494-03 DW 0.11381	14-Jul-18	09:17:02
99	99	180713M2_99	1801494-04 MW-4 0.11665	14-Jul-18	09:29:42
100	1...	180713M2_100	1801494-05 MW-2 0.11525	14-Jul-18	09:40:07
101	1...	180713M2_101	IPA	14-Jul-18	09:50:37
102	1...	180713M2_102	ST180713M2-16 PFC CS3 18G0509	14-Jul-18	10:01:02
103	1...	180713M2_103	1801494-06 MW-1 0.11893	14-Jul-18	10:11:32
104	1...	180713M2_104	1801495-01 MW-5 0.11744	14-Jul-18	10:21:58

Dataset: Untitled

Last Altered: Sunday, July 15, 2018 13:54:37 Pacific Daylight Time
Printed: Sunday, July 15, 2018 13:54:47 Pacific Daylight Time

Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
105	1...	180713M2_105	1801495-02 MW-102 0.11321	14-Jul-18	10:32:28
106	1...	180713M2_106	1801495-03 MW-2 0.11609	14-Jul-18	10:42:53
107	1...	180713M2_107	1801495-04 MW-3R 0.11651	14-Jul-18	10:53:24
108	1...	180713M2_108	1801497-01 Raw Water 0.11411	14-Jul-18	11:03:46
109	1...	180713M2_109	1801497-02 Finished Water 0.11702	14-Jul-18	11:14:17
110	1...	180713M2_110	1801498-01 BAR SINK /001 0.11897	14-Jul-18	11:24:41
111	1...	180713M2_111	IPA	14-Jul-18	11:35:11
112	1...	180713M2_112	ST180713M2-17 PFC CS3 18G0509	14-Jul-18	11:45:36
113	1...	180713M2_113	QC_180711_DT10	14-Jul-18	11:56:07
114	1...	180713M2_114	QC_180711_DT11	14-Jul-18	12:06:31
115	1...	180713M2_115	QC_180711_DT12	14-Jul-18	12:17:01
116	1...	180713M2_116	QC_180711_DT13	14-Jul-18	12:27:32
117	1...	180713M2_117	QC_180711_DT14	14-Jul-18	12:37:56
118	1...	180713M2_118	QC_180711_DT15	14-Jul-18	12:48:26
119	1...	180713M2_119	QC_180711_QC200	14-Jul-18	12:58:50
120	1...	180713M2_120	QC_180711_QC225	14-Jul-18	13:09:20
121	1...	180713M2_121	QC_180711_QC250	14-Jul-18	13:19:45

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-86.qld

CCV

Last Altered: Sunday, July 15, 2018 10:05:28 Pacific Daylight Time
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JDM 7/15/18

AR 7/15/18

(A) Above criteria limit on 7/15/18

Name: 180713M2_86, Date: 14-Jul-2018, Time: 07:11:31, ID: ST180713M2-15 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	6586.498	7373.554	1.00	1.33	11.166	9.6	96.4	NO		
2	2	PFPeA	263.1 > 218.9	9361.125	11575.876	1.00	2.32	10.108	9.7	96.7	NO		
3	3	PFBS	299.0 > 79.7	2143.666	1350.848	1.00	2.61	19.836	10.0	100.0	NO	2.645	NO
4	4	4:2 FTS	327.2>307.2	1981.292	2326.470	1.00	3.03	10.645	11.2	111.5	NO	1.513	NO
5	5	PFHxA	313.2 > 268.9	11164.965	3295.004	1.00	3.11	16.942	10.1	101.2	NO	368.578	NO
6	6	PFPeS	349.1>80.1	2259.940	1350.848	1.00	3.31	20.912	11.4	114.3	NO	1.794	NO
7	36	13C3-PFBA	216.1 > 171.8	7373.554	8150.228	1.00	1.33	11.309	12.3	98.8	NO		
8	37	13C3-PFPeA	266. > 221.8	11575.876	11297.391	1.00	2.32	12.808	13.0	103.6	NO		
9	38	13C3-PFBS	302. > 98.8	1350.848	11297.391	1.00	2.61	1.495	12.5	99.7	NO		
10	39	13C2-4:2 FTS	329.2>308.9	2326.470	11297.391	1.00	3.03	2.574	10.6	85.1	NO		
11	40	13C2-PFHxA	315 > 269.8	3295.004	11297.391	1.00	3.11	3.646	4.9	97.7	NO		
12	38	13C3-PFBS	302. > 98.8	1350.848	11297.391	1.00	2.61	1.495	12.5	99.7	NO		
13	-1												
14	10	6:2 FTS	427.1 > 407	2264.980	2321.287	1.00	4.20	12.197	11.8	118.4	NO	2.696	NO
15	7	PFHpA	363.0 > 318.9	9037.596	10011.412	1.00	3.73	11.284	9.9	98.5	NO	17.721	NO
16	8	L-PFHxS	398.9 > 79.6	1438.343	1035.347	1.00	3.88	17.365	9.2	92.2	NO	1.620	NO
17	11	L-PFOA	413 > 368.7	9509.370	11143.209	1.00	4.25	10.667	10.3	102.9	NO	3.551	NO
18	13	PFHpS	449 > 80.0	2044.855	2972.429	1.00	4.37	8.599	10.7	107.4	NO	1.939	NO
19	14	PFNA	463.0 > 418.8	12045.113	13352.945	1.00	4.69	11.276	9.8	97.5	NO	4.621	NO
20	43	13C2-6:2 FTS	429.1 > 408.9	2321.287	11733.513	1.00	4.20	2.473	11.6	93.1	NO		
21	41	13C4-PFHpA	367.2 > 321.8	10011.412	11297.391	1.00	3.73	11.077	13.7	109.3	NO		
22	42	18O2-PFHxS	403.0 > 102.6	1035.347	2636.387	1.00	3.88	4.909	12.0	96.1	NO		
23	44	13C2-PFOA	414.9 > 369.7	11143.209	11733.513	1.00	4.25	11.871	12.5	100.4	NO		
24	47	13C8-PFOS	507.0 > 79.9	2972.429	3072.181	1.00	4.77	12.094	10.9	87.2	NO		
25	45	13C5-PFNA	468.2 > 422.9	13352.945	12705.979	1.00	4.69	13.136	13.4	107.3	NO		
26	-1												
27	15	PFOSA	498.2 > 77.9	4155.719	5936.664	1.00	4.74	8.750	9.1	91.1	NO	28.581	NO
28	16	L-PFOS	499.1 > 79.9	2436.379	2972.429	1.00	4.77	10.246	12.0	120.2	NO	1.762	YES
29	18	PFDA	513 > 468.8	13279.797	12885.669	1.00	5.06	12.882	10.0	100.1	NO	5.614	NO
30	19	8:2 FTS	527 > 506.9	2059.883	2057.277	1.00	5.03	12.516	8.3	83.1	NO	2.118	NO
31	20	PFNS	549.1>80.1	2315.578	2972.429	1.00	5.13	9.738	11.9	119.0	NO	1.722	NO
32	21	L-MeFOSAA	570.1 > 419	4877.298	4106.628	1.00	5.22	14.846	13.9	138.9	YES (A)	12.005	NO
33	46	13C8-PFOSA	506.1 > 77.7	5936.664	16022.818	1.00	4.75	4.631	15.3	122.3	NO		
34	47	13C8-PFOS	507.0 > 79.9	2972.429	3072.181	1.00	4.77	12.094	10.9	87.2	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-86.qld

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Name: 180713M2_86, Date: 14-Jul-2018, Time: 07:11:31, ID: ST180713M2-15 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
35	48	13C2-PFDA	515.1 > 469.9	12885.669	13406.854	1.00	5.06	12.014	11.9	95.5	NO		
36	49	13C2-8:2 FTS	529.1 > 508.7	2057.277	11297.391	1.00	5.03	2.276	11.7	93.3	NO		
37	47	13C8-PFOS	507.0 > 79.9	2972.429	3072.181	1.00	4.77	12.094	10.9	87.2	NO		
38	50	d3-N-MeFOSAA	573.3 > 419	4106.628	16022.818	1.00	5.21	3.204	12.4	99.1	NO		
39	-1												
40	23	L-EtFOSAA	584.2 > 419	4008.241	6038.655	1.00	5.37	8.297	9.1	91.1	NO	23.814	YES
41	27	PFDoA	612.9 > 569.0	17220.045	16494.756	1.00	5.67	13.050	9.4	94.4	NO	9.101	NO
42	26	PFDS	598.8 > 80	2695.531	17377.961	1.00	5.44	1.939	9.9	99.3	NO	1.942	NO
43	25	PFUdA	563.0 > 518.9	13252.025	17377.961	1.00	5.39	9.532	8.9	89.0	NO	11.026	NO
44	28	N-MeFOSA	512.1 > 168.9	7786.983	23251.672	1.00	5.75	50.235	51.8	103.5	NO	1.323	NO
45	29	PFTrDA	662.9 > 618.9	16788.428	16494.756	1.00	5.92	12.723	9.8	98.4	NO	23.447	NO
46	51	d5-N-EtFOSAA	589.3 > 419	6038.655	16022.818	1.00	5.36	4.711	16.8	134.7	NO		
47	53	13C2-PFDoA	615.0 > 569.7	16494.756	13406.854	1.00	5.67	15.379	12.2	97.5	NO		
48	52	13C2-PFUdA	565 > 519.8	17377.961	16022.818	1.00	5.39	13.557	15.0	119.8	NO		
49	52	13C2-PFUdA	565 > 519.8	17377.961	16022.818	1.00	5.39	13.557	15.0	119.8	NO		
50	54	d3-N-MeFOSA	515.2 > 168.9	23251.672	16022.818	1.00	5.78	18.139	174.5	116.3	NO		
51	53	13C2-PFDoA	615.0 > 569.7	16494.756	13406.854	1.00	5.67	15.379	12.2	97.5	NO		
52	-1												
53	30	PFTeDA	712.9 > 668.8	14526.526	9115.952	1.00	6.13	19.919	11.4	114.1	NO	10.616	NO
54	31	N-EtFOSA	526.1 > 168.9	8200.213	26712.342	1.00	6.16	46.047	52.4	104.8	NO	1.387	NO
55	32	PFHxDA	813.1 > 768.6	6695.199	5864.759	1.00	6.46	5.708	9.2	92.2	NO	23.284	NO
56	33	PFODA	913.1 > 868.8	9743.625	5864.759	1.00	6.69	8.307	9.0	90.2	NO		
57	34	N-MeFOSE	616.1 > 58.9	9120.044	27436.496	1.00	6.33	49.861	51.4	102.9	NO		
58	35	N-EtFOSE	630.1 > 58.9	10294.671	27695.746	1.00	6.48	55.756	48.7	97.3	NO		
59	55	13C2-PFTeDA	714.8 > 669.6	9115.952	16022.818	1.00	6.13	7.112	12.4	99.1	NO		
60	56	d5-N-ETFOSA	531.1 > 168.9	26712.342	16022.818	1.00	6.18	20.839	181.0	120.7	NO		
61	57	13C2-PFHxDA	815 > 769.7	5864.759	16022.818	1.00	6.46	4.575	5.2	104.0	NO		
62	57	13C2-PFHxDA	815 > 769.7	5864.759	16022.818	1.00	6.46	4.575	5.2	104.0	NO		
63	58	d7-N-MeFOSE	623.1 > 58.9	27436.496	16022.818	1.00	6.31	21.404	180.0	120.0	NO		
64	59	d9-N-EtFOSE	639.2 > 58.8	27695.746	16022.818	1.00	6.46	21.606	186.5	124.3	NO		
65	-1												
66	60	13C4-PFBA	217. > 171.8	8150.228	8150.228	1.00	1.32	12.500	12.5	100.0	NO		
67	61	13C5-PFHxA	318 > 272.9	11297.391	11297.391	1.00	3.11	12.500	12.5	100.0	NO		
68	62	13C3-PFHxS	401.9 > 79.9	2636.387	2636.387	1.00	3.88	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-86.qld

Last Altered: Sunday, July 15, 2018 10:05:28 Pacific Daylight Time
Printed: Sunday, July 15, 2018 10:07:05 Pacific Daylight Time

Name: 180713M2_86, Date: 14-Jul-2018, Time: 07:11:31, ID: ST180713M2-15 PFC CS3 18G0509, Description: PFC CS3 18G0509

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
69	63	13C8-PFOA	421.3 > 376	11733.513	11733.513	1.00	4.25	12.500	12.5	100.0	NO		
70	64	13C9-PFNA	472.2 > 426.9	12705.979	12705.979	1.00	4.69	12.500	12.5	100.0	NO		
71	65	13C4-PFOS	503 > 79.9	3072.181	3072.181	1.00	4.77	12.500	12.5	100.0	NO		
72	66	13C6-PFDA	519.1 > 473.7	13406.854	13406.854	1.00	5.06	12.500	12.5	100.0	NO		
73	67	13C7-PFUdA	570.1 > 524.8	16022.818	16022.818	1.00	5.39	12.500	12.5	100.0	NO		

Quantify Compound Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:23:26 Pacific Daylight Time

low pt / high pt

PFPeS 0.5
PFHxS
PFOSA
PFOS
MeFOSAA ↓

4:2FTS 50
6:2FTS 100
8:2FTS 50
EtFOSAA 100
PFHxDA 250
MeFOSE 1250

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

ICAL

MBF 7/14/18

Compound name: PFBA
Correlation coefficient: r = 0.999955, r^2 = 0.999910
Calibration curve: 1.16251 * x + -0.0451921
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, 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	180713M2_2	Standard	0.250	1.35	158.930	7908.634	0.251	0.3	2.0	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	1.35	346.649	7697.999	0.563	0.5	4.6	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	1.34	629.890	7855.050	1.002	0.9	-9.9	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	1.34	1389.848	7889.140	2.202	1.9	-3.3	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	1.35	3424.810	7714.335	5.549	4.8	-3.7	NO	1.000	NO	MM
6	6	180713M2_7	Standard	10.000	1.34	6899.925	7673.867	11.239	9.7	-2.9	NO	1.000	NO	MM
7	7	180713M2_8	Standard	50.000	1.34	33805.090	7434.815	56.836	48.9	-2.1	NO	1.000	NO	MM
8	8	180713M2_9	Standard	100.000	1.35	62363.590	6775.695	115.050	99.0	-1.0	NO	1.000	NO	MM
9	9	180713M2_10	Standard	250.000	1.35	161290.656	6888.414	292.685	251.8	0.7	NO	1.000	NO	MM
10	10	180713M2_11	Standard	500.000	1.34	332224.906	7132.608	582.229	500.9	0.2	NO	1.000	NO	MM

MBF 7/14/18

Compound name: PFPeA
Coefficient of Determination: R^2 = 0.999967
Calibration curve: 2.39452e-007 * x^2 + 1.04805 * x + -0.0285583
Response type: Internal Std (Ref 37), 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	180713M2_2	Standard	0.250	2.35	197.084	9424.334	0.261	0.3	10.7	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	2.34	351.337	9301.735	0.472	0.5	-4.5	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	2.34	749.121	9271.572	1.010	1.0	-0.9	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	2.34	1603.160	9606.715	2.086	2.0	0.9	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	2.34	3768.421	9435.593	4.992	4.8	-4.2	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	2.34	7681.236	9426.865	10.185	9.7	-2.5	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	2.34	39021.313	9244.303	52.764	50.4	0.7	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	2.34	84502.711	10135.307	104.218	99.5	-0.5	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	2.34	194796.453	9253.947	263.126	251.1	0.4	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	2.34	322898.625	7708.989	523.575	499.5	-0.1	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
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Compound name: PFBS
Coefficient of Determination: R^2 = 0.999243
Calibration curve: 5.9754e-005 * x^2 + 1.98574 * x + -0.0268496
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	180713M2_2	Standard	0.250	2.65	42.400	1137.955	0.466	0.2	-0.8	NO	0.999	NO	MM
2	2	180713M2_3	Standard	0.500	2.64	82.519	1093.112	0.944	0.5	-2.3	NO	0.999	NO	bb
3	3	180713M2_4	Standard	1.000	2.64	196.001	1137.611	2.154	1.1	9.8	NO	0.999	NO	bb
4	4	180713M2_5	Standard	2.000	2.64	373.077	1185.013	3.935	2.0	-0.2	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	2.64	861.283	1138.417	9.457	4.8	-4.5	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	2.63	1765.575	1102.365	20.020	10.1	0.9	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	2.64	8941.753	1129.871	98.924	49.8	-0.5	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	2.64	19614.629	1302.746	188.205	94.5	-5.5	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	2.64	45426.363	1094.662	518.726	259.2	3.7	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	2.64	75329.984	940.941	1000.727	496.6	-0.7	NO	0.999	NO	bb

Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.991600
Calibration curve: -0.00509841 * x^2 + 1.00688 * x + 0.0504503
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	180713M2_2	Standard	0.250	3.06	58.782	2262.779	0.325	0.3	9.1	NO	0.992	NO	MM
2	2	180713M2_3	Standard	0.500	3.05	69.712	2139.083	0.407	0.4	-29.0	NO	0.992	NO	bb
3	3	180713M2_4	Standard	1.000	3.04	184.665	2129.083	1.084	1.0	3.2	NO	0.992	NO	bb
4	4	180713M2_5	Standard	2.000	3.04	471.305	2240.238	2.630	2.6	29.8	NO	0.992	NO	bb
5	5	180713M2_6	Standard	5.000	3.04	782.743	2333.146	4.194	4.2	-15.9	NO	0.992	NO	bb
6	6	180713M2_7	Standard	10.000	3.04	1639.845	2075.201	9.878	10.3	3.0	NO	0.992	NO	MM
7	7	180713M2_8	Standard	50.000	3.05	7124.409	2365.450	37.648	50.0	-0.0	NO	0.992	NO	MM
8	8	180713M2_9	Standard	100.000	3.04	19321.613	2985.455	80.899			NO	0.992	NO	bbXI
9	9	180713M2_10	Standard	250.000	3.04	43881.336	4478.799	122.470			NO	0.992	NO	bbXI
10	10	180713M2_11	Standard	500.000	3.04	68597.852	4942.526	173.489			NO	0.992	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Compound name: PFHxA
Coefficient of Determination: R^2 = 0.999773
Calibration curve: -0.000157569 * x^2 + 1.67566 * x + 0.00465615
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	180713M2_2	Standard	0.250	3.14	257.378	2834.617	0.454	0.3	7.3	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	3.13	424.417	2836.602	0.748	0.4	-11.3	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	3.13	998.273	2783.196	1.793	1.1	6.8	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	3.13	1867.601	2773.298	3.367	2.0	0.4	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	3.13	4785.106	2948.611	8.114	4.8	-3.2	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	3.13	9404.938	2727.608	17.240	10.3	3.0	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	3.13	46088.395	2777.131	82.978	49.7	-0.5	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	3.13	101300.359	3139.397	161.337	97.2	-2.8	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	3.13	232839.250	2793.825	416.703	254.8	1.9	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	3.13	379606.406	2385.688	795.591	498.1	-0.4	NO	1.000	NO	bb

Compound name: PFPeS
Coefficient of Determination: R^2 = 0.996948
Calibration curve: -3.93496e-005 * x^2 + 1.8276 * x + 0.0202429
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	180713M2_2	Standard	0.250	3.35	14.041	1137.955	0.154	0.1	-70.7	YES	0.997	NO	MMX
2	2	180713M2_3	Standard	0.500	3.34	84.403	1093.112	0.965	0.5	3.4	NO	0.997	NO	bb
3	3	180713M2_4	Standard	1.000	3.34	159.697	1137.611	1.755	0.9	-5.1	NO	0.997	NO	bb
4	4	180713M2_5	Standard	2.000	3.34	375.500	1185.013	3.961	2.2	7.8	NO	0.997	NO	bb
5	5	180713M2_6	Standard	5.000	3.34	792.463	1138.417	8.701	4.8	-5.0	NO	0.997	NO	bb
6	6	180713M2_7	Standard	10.000	3.34	1681.357	1102.365	19.065	10.4	4.2	NO	0.997	NO	bb
7	7	180713M2_8	Standard	50.000	3.34	8295.779	1129.871	91.778	50.3	0.5	NO	0.997	NO	bb
8	8	180713M2_9	Standard	100.000	3.34	16798.010	1302.746	161.179	88.3	-11.7	NO	0.997	NO	bb
9	9	180713M2_10	Standard	250.000	3.34	42602.488	1094.662	486.480	267.7	7.1	NO	0.997	NO	bb
10	10	180713M2_11	Standard	500.000	3.34	67157.367	940.941	892.157	493.4	-1.3	NO	0.997	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Compound name: PFHpA
Correlation coefficient: r = 0.999622, r^2 = 0.999245
Calibration curve: 1.14587 * x + -0.00381186
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	180713M2_2	Standard	0.250	3.76	163.554	7882.038	0.259	0.2	-8.1	NO	0.999	NO	MM
2	2	180713M2_3	Standard	0.500	3.75	367.722	7378.714	0.623	0.5	9.4	NO	0.999	NO	bb
3	3	180713M2_4	Standard	1.000	3.75	642.888	7848.158	1.024	0.9	-10.3	NO	0.999	NO	bb
4	4	180713M2_5	Standard	2.000	3.75	1519.526	7843.696	2.422	2.1	5.8	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	3.75	3727.290	7817.939	5.960	5.2	4.1	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	3.75	7291.120	7338.215	12.420	10.8	8.4	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	3.75	32450.922	7518.153	53.954	47.1	-5.8	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	3.75	70447.266	7979.707	110.354	96.3	-3.7	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	3.75	177314.109	7876.601	281.394	245.6	-1.8	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	3.75	308529.344	6600.139	584.324	509.9	2.0	NO	0.999	NO	bb

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.997173
Calibration curve: -3.32438e-005 * x^2 + 1.89654 * x + -0.113942
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	180713M2_2	Standard	0.250	3.91	36.967	756.736	0.611	0.4	52.8	YES	0.997	NO	MMX
2	2	180713M2_3	Standard	0.500	3.90	69.075	860.570	1.003	0.6	17.8	NO	0.997	NO	MM
3	3	180713M2_4	Standard	1.000	3.90	116.301	816.693	1.780	1.0	-0.1	NO	0.997	NO	MM
4	4	180713M2_5	Standard	2.000	3.90	259.361	961.815	3.371	1.8	-8.1	NO	0.997	NO	MM
5	5	180713M2_6	Standard	5.000	3.90	616.989	878.745	8.777	4.7	-6.2	NO	0.997	NO	MM
6	6	180713M2_7	Standard	10.000	3.90	1213.665	998.336	15.196	8.1	-19.3	NO	0.997	NO	MM
7	7	180713M2_8	Standard	50.000	3.90	6145.037	851.296	90.231	47.7	-4.6	NO	0.997	NO	MM
8	8	180713M2_9	Standard	100.000	3.90	13766.314	809.956	212.455	112.3	12.3	NO	0.997	NO	MM
9	9	180713M2_10	Standard	250.000	3.90	31621.689	875.892	451.278	239.0	-4.4	NO	0.997	NO	MM
10	10	180713M2_11	Standard	500.000	3.90	53752.117	710.218	946.050	503.3	0.7	NO	0.997	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.992640
Calibration curve: -0.00363281 * x^2 + 1.06986 * x + 0.0404678
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	180713M2_2	Standard	0.250	4.23	71.408	2307.357	0.387	0.3	29.6	NO	0.993	NO	bb
2	2	180713M2_3	Standard	0.500	4.21	74.831	1926.098	0.486	0.4	-16.7	NO	0.993	NO	bb
3	3	180713M2_4	Standard	1.000	4.22	161.533	2083.801	0.969	0.9	-13.0	NO	0.993	NO	bb
4	4	180713M2_5	Standard	2.000	4.22	358.135	2178.331	2.055	1.9	-5.2	NO	0.993	NO	bb
5	5	180713M2_6	Standard	5.000	4.21	928.408	1817.986	6.383	6.1	21.1	NO	0.993	NO	bb
6	6	180713M2_7	Standard	10.000	4.22	1472.289	2179.242	8.445	8.1	-19.2	NO	0.993	NO	bb
7	7	180713M2_8	Standard	50.000	4.22	8169.055	2201.936	46.374	52.8	5.5	NO	0.993	NO	bb
8	8	180713M2_9	Standard	100.000	4.22	18018.992	3223.241	69.879	97.7	-2.3	NO	0.993	NO	bb
9	9	180713M2_10	Standard	250.000	4.22	49108.285	4284.995	143.257			NO	0.993	NO	bbXI
10	10	180713M2_11	Standard	500.000	4.22	63666.223	5160.774	154.207			NO	0.993	NO	bbXI

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999570
Calibration curve: -0.000135637 * x^2 + 1.03679 * x + 0.0112548
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	180713M2_2	Standard	0.250	4.28	254.694	9599.336	0.332	0.3	23.6	NO	1.000	NO	MM
2	2	180713M2_3	Standard	0.500	4.27	344.040	8966.970	0.480	0.5	-9.7	NO	1.000	NO	MM
3	3	180713M2_4	Standard	1.000	4.27	736.145	9491.856	0.969	0.9	-7.6	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	4.27	1828.414	10257.139	2.228	2.1	6.9	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	4.27	3950.126	10031.416	4.922	4.7	-5.2	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	4.27	7863.274	10166.606	9.668	9.3	-6.7	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	4.27	37743.773	9248.792	51.012	49.5	-1.0	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	4.27	86730.578	10875.795	99.683	97.4	-2.6	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	4.27	207788.984	10082.170	257.619	257.1	2.8	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	4.27	337048.000	8747.272	481.647	496.8	-0.6	NO	1.000	NO	bb

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Compound name: PFHpS
Coefficient of Determination: R^2 = 0.999793
Calibration curve: 9.42702e-005 * x^2 + 0.797931 * x + 0.0186391
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 180713M2_2	Standard	0.250	4.39	60.165	2711.711	0.277	0.3	29.7	NO	1.000	NO	bb
2	2 180713M2_3	Standard	0.500	4.39	75.799	2613.904	0.362	0.4	-13.8	NO	1.000	NO	bb
3	3 180713M2_4	Standard	1.000	4.38	167.646	2832.045	0.740	0.9	-9.6	NO	1.000	NO	bb
4	4 180713M2_5	Standard	2.000	4.39	337.542	3069.275	1.375	1.7	-15.0	NO	1.000	NO	bb
5	5 180713M2_6	Standard	5.000	4.38	948.814	2701.124	4.391	5.5	9.5	NO	1.000	NO	bb
6	6 180713M2_7	Standard	10.000	4.38	1679.764	2659.894	7.894	9.9	-1.4	NO	1.000	NO	bb
7	7 180713M2_8	Standard	50.000	4.39	9425.586	2870.707	41.042	51.1	2.2	NO	1.000	NO	bb
8	8 180713M2_9	Standard	100.000	4.38	20042.135	3163.843	79.184	98.1	-1.9	NO	1.000	NO	bb
9	9 180713M2_10	Standard	250.000	4.39	48226.207	2920.754	206.395	251.2	0.5	NO	1.000	NO	bb
10	10 180713M2_11	Standard	500.000	4.39	77141.523	2283.505	422.276	499.7	-0.1	NO	1.000	NO	bb

Compound name: PFNA
Coefficient of Determination: R^2 = 0.998681
Calibration curve: -0.000100247 * x^2 + 1.1576 * x + -0.00514313
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 180713M2_2	Standard	0.250	4.72	214.745	9922.181	0.271	0.2	-4.7	NO	0.999	NO	MM
2	2 180713M2_3	Standard	0.500	4.71	479.572	9337.510	0.642	0.6	11.8	NO	0.999	NO	bb
3	3 180713M2_4	Standard	1.000	4.71	945.130	9996.146	1.182	1.0	2.5	NO	0.999	NO	bb
4	4 180713M2_5	Standard	2.000	4.71	1948.924	10558.536	2.307	2.0	-0.1	NO	0.999	NO	bb
5	5 180713M2_6	Standard	5.000	4.71	4463.317	9707.783	5.747	5.0	-0.6	NO	0.999	NO	bb
6	6 180713M2_7	Standard	10.000	4.71	9153.817	10632.364	10.762	9.3	-6.9	NO	0.999	NO	bb
7	7 180713M2_8	Standard	50.000	4.71	44785.441	9584.063	58.411	50.7	1.4	NO	0.999	NO	bb
8	8 180713M2_9	Standard	100.000	4.71	97036.656	11384.273	106.547	92.8	-7.2	NO	0.999	NO	bb
9	9 180713M2_10	Standard	250.000	4.71	241565.031	10190.485	296.312	261.9	4.8	NO	0.999	NO	bb
10	10 180713M2_11	Standard	500.000	4.71	386134.281	8796.210	548.723	495.3	-0.9	NO	0.999	NO	bb

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Compound name: PFOSA
Coefficient of Determination: R^2 = 0.996978
Calibration curve: 0.000104019 * x^2 + 0.946348 * x + 0.123783
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	180713M2_2	Standard	0.250	4.78	68.310	4794.237	0.178	0.1	-77.0	YES	0.997	NO	bbX
2	2	180713M2_3	Standard	0.500	4.77	225.125	4790.805	0.587	0.5	-2.0	NO	0.997	NO	bb
3	3	180713M2_4	Standard	1.000	4.77	329.772	4890.473	0.843	0.8	-24.0	NO	0.997	NO	bb
4	4	180713M2_5	Standard	2.000	4.77	822.057	5253.447	1.956	1.9	-3.2	NO	0.997	NO	bb
5	5	180713M2_6	Standard	5.000	4.77	1891.463	4739.458	4.989	5.1	2.8	NO	0.997	NO	bb
6	6	180713M2_7	Standard	10.000	4.77	4035.431	4360.021	11.569	12.1	20.8	NO	0.997	NO	bb
7	7	180713M2_8	Standard	50.000	4.77	19052.482	4295.065	55.449	58.1	16.2	NO	0.997	NO	bb
8	8	180713M2_9	Standard	100.000	4.77	36514.367	5309.321	85.968	89.8	-10.2	NO	0.997	NO	bb
9	9	180713M2_10	Standard	250.000	4.77	89964.711	4657.183	241.468	248.3	-0.7	NO	0.997	NO	bb
10	10	180713M2_11	Standard	500.000	4.77	148102.328	3692.763	501.326	501.9	0.4	NO	0.997	NO	bb

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.999172
Calibration curve: 0.000233571 * x^2 + 0.836315 * x + 0.162777
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	180713M2_2	Standard	0.250	4.69	37.525	2711.711	0.173	0.0	-95.1	YES	0.999	NO	MMX
2	2	180713M2_3	Standard	0.500	4.79	116.046	2613.904	0.555	0.5	-6.2	NO	0.999	NO	MM
3	3	180713M2_4	Standard	1.000	4.79	194.569	2832.045	0.859	0.8	-16.8	NO	0.999	NO	MM
4	4	180713M2_5	Standard	2.000	4.79	431.873	3069.275	1.759	1.9	-4.6	NO	0.999	NO	MM
5	5	180713M2_6	Standard	5.000	4.79	982.778	2701.124	4.548	5.2	4.7	NO	0.999	NO	MM
6	6	180713M2_7	Standard	10.000	4.79	2191.545	2659.894	10.299	12.1	20.8	NO	0.999	NO	MM
7	7	180713M2_8	Standard	50.000	4.80	10160.666	2870.707	44.243	52.0	3.9	NO	0.999	NO	MM
8	8	180713M2_9	Standard	100.000	4.79	21943.402	3163.843	86.696	100.6	0.6	NO	0.999	NO	MM
9	9	180713M2_10	Standard	250.000	4.80	50604.938	2920.754	216.575	242.4	-3.1	NO	0.999	NO	MM
10	10	180713M2_11	Standard	500.000	4.80	87691.609	2283.505	480.027	503.1	0.6	NO	0.999	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Compound name: PFDA
Coefficient of Determination: R^2 = 0.999285
Calibration curve: -0.00016162 * x^2 + 1.28819 * x + 0.00361251
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	180713M2_2	Standard	0.250	5.09	334.382	10953.468	0.382	0.3	17.4	NO	0.999	NO	MM
2	2	180713M2_3	Standard	0.500	5.08	546.437	11445.301	0.597	0.5	-7.9	NO	0.999	NO	MM
3	3	180713M2_4	Standard	1.000	5.08	1146.678	11668.952	1.228	1.0	-4.9	NO	0.999	NO	MM
4	4	180713M2_5	Standard	2.000	5.08	2635.749	12108.976	2.721	2.1	5.5	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	5.08	5211.545	10323.984	6.310	4.9	-2.0	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	5.08	11569.801	11708.584	12.352	9.6	-4.0	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	5.08	55113.559	11192.241	61.553	48.1	-3.9	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	5.08	116050.930	11782.880	123.114	96.7	-3.3	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	5.08	284440.500	10973.018	324.023	260.0	4.0	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	5.09	459940.219	9602.422	598.729	495.6	-0.9	NO	0.999	NO	bb

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.997393
Calibration curve: -0.00656968 * x^2 + 1.5864 * x + -0.215909
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	180713M2_2	Standard	0.250	5.06	22.587	1907.386	0.148	0.2	-8.1	NO	0.997	NO	MM
2	2	180713M2_3	Standard	0.500	5.05	80.854	1763.837	0.573	0.5	-0.3	NO	0.997	NO	bb
3	3	180713M2_4	Standard	1.000	5.06	181.276	1780.577	1.273	0.9	-5.8	NO	0.997	NO	bb
4	4	180713M2_5	Standard	2.000	5.06	505.253	1755.932	3.597	2.4	21.4	NO	0.997	NO	bb
5	5	180713M2_6	Standard	5.000	5.05	1147.260	2033.900	7.051	4.7	-6.6	NO	0.997	NO	bb
6	6	180713M2_7	Standard	10.000	5.05	2126.688	1782.862	14.911	9.9	-0.6	NO	0.997	NO	bb
7	7	180713M2_8	Standard	50.000	5.06	9732.908	1939.709	62.721	50.0	0.1	NO	0.997	NO	bb
8	8	180713M2_9	Standard	100.000	5.05	23178.100	3216.831	90.066	91.8	-8.2	NO	0.997	NO	bbX
9	9	180713M2_10	Standard	250.000	5.06	51137.152	3627.645	176.206			NO	0.997	NO	bbXI
10	10	180713M2_11	Standard	500.000	5.06	85011.297	5059.648	210.023			NO	0.997	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
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Compound name: PFNS
Coefficient of Determination: R^2 = 0.999190
Calibration curve: 0.00010378 * x^2 + 0.810942 * x + 0.070685
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	180713M2_2	Standard	0.250	5.15	60.163	2711.711	0.277	0.3	1.9	NO	0.999	NO	MM
2	2	180713M2_3	Standard	0.500	5.15	89.341	2613.904	0.427	0.4	-12.1	NO	0.999	NO	bb
3	3	180713M2_4	Standard	1.000	5.15	179.103	2832.045	0.791	0.9	-11.2	NO	0.999	NO	bb
4	4	180713M2_5	Standard	2.000	5.15	416.921	3069.275	1.698	2.0	0.3	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	5.15	936.314	2701.124	4.333	5.3	5.0	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	5.15	1951.505	2659.894	9.171	11.2	12.1	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	5.15	9891.539	2870.707	43.071	52.7	5.3	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	5.15	21154.201	3163.843	83.578	101.7	1.7	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	5.15	46983.930	2920.754	201.078	240.5	-3.8	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	5.15	79480.297	2283.505	435.078	503.9	0.8	NO	0.999	NO	bb

Compound name: L-MeFOSAA
Coefficient of Determination: R^2 = 0.999760
Calibration curve: 0.000455852 * x^2 + 1.06163 * x + 0.0107949
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	180713M2_2	Standard	0.250	5.24	94.704	3205.290	0.369	0.3	35.1	YES	1.000	NO	MMX
2	2	180713M2_3	Standard	0.500	5.23	95.046	3045.261	0.390	0.4	-28.5	NO	1.000	NO	MM
3	3	180713M2_4	Standard	1.000	5.23	367.294	4059.675	1.131	1.1	5.5	NO	1.000	NO	MM
4	4	180713M2_5	Standard	2.000	5.23	828.811	4303.040	2.408	2.3	12.8	NO	1.000	NO	MM
5	5	180713M2_6	Standard	5.000	5.23	1726.323	3654.881	5.904	5.5	10.8	NO	1.000	NO	MM
6	6	180713M2_7	Standard	10.000	5.23	3712.906	4183.393	11.094	10.4	3.9	NO	1.000	NO	MM
7	7	180713M2_8	Standard	50.000	5.23	19091.385	4575.552	52.156	48.1	-3.8	NO	1.000	NO	MM
8	8	180713M2_9	Standard	100.000	5.23	45472.465	5030.708	112.987	102.0	2.0	NO	1.000	NO	MM
9	9	180713M2_10	Standard	250.000	5.23	103436.625	4432.137	291.723	248.3	-0.7	NO	1.000	NO	MM
10	10	180713M2_11	Standard	500.000	5.23	180412.984	3492.988	645.626	500.6	0.1	NO	1.000	NO	MM

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Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Compound name: L-EtFOSAA
Coefficient of Determination: R^2 = 0.992175
Calibration curve: -0.00242935 * x^2 + 0.940875 * x + -0.0726806
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	180713M2_2	Standard	0.250	5.40	52.945	4037.900	0.164	0.3	0.6	NO	0.992	NO	MM
2	2	180713M2_3	Standard	0.500	5.39	139.740	4034.384	0.433	0.5	7.6	NO	0.992	NO	MM
3	3	180713M2_4	Standard	1.000	5.40	260.353	3796.835	0.857	1.0	-0.9	NO	0.992	NO	MM
4	4	180713M2_5	Standard	2.000	5.40	611.557	5112.152	1.495	1.7	-16.3	NO	0.992	NO	MM
5	5	180713M2_6	Standard	5.000	5.39	1580.827	5119.928	3.859	4.2	-15.5	NO	0.992	NO	MM
6	6	180713M2_7	Standard	10.000	5.39	2896.588	4651.525	7.784	8.5	-14.6	NO	0.992	NO	MM
7	7	180713M2_8	Standard	50.000	5.40	15696.923	4346.287	45.145	56.2	12.4	NO	0.992	NO	MM
8	8	180713M2_9	Standard	100.000	5.39	27245.889	5025.404	67.770	95.8	-4.2	NO	0.992	NO	MM
9	9	180713M2_10	Standard	250.000	5.40	81516.180	4427.707	230.131			NO	0.992	NO	MMXI
10	10	180713M2_11	Standard	500.000	5.40	133038.141	2950.787	563.571			NO	0.992	NO	MMXI

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFUdA
Coefficient of Determination: R^2 = 0.999274
Calibration curve: -0.000244303 * x^2 + 1.06937 * x + 0.0299947
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	180713M2_2	Standard	0.250	5.41	357.694	13781.687	0.324	0.3	10.1	NO	0.999	NO	bb
2	2	180713M2_3	Standard	0.500	5.41	672.495	14078.919	0.597	0.5	6.1	NO	0.999	NO	bb
3	3	180713M2_4	Standard	1.000	5.41	1241.035	15064.172	1.030	0.9	-6.5	NO	0.999	NO	bb
4	4	180713M2_5	Standard	2.000	5.41	2359.451	13739.225	2.147	2.0	-1.0	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	5.41	6236.337	13965.907	5.582	5.2	4.0	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	5.41	11192.652	14368.988	9.737	9.1	-9.0	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	5.41	53667.262	13772.092	48.710	46.0	-8.0	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	5.41	120879.430	14005.803	107.883	103.3	3.3	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	5.41	291827.875	14261.752	255.778	253.9	1.6	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	5.41	461564.063	12234.892	471.565	497.5	-0.5	NO	0.999	NO	bb

Compound name: PFDS
Coefficient of Determination: R^2 = 0.998098
Calibration curve: 7.36629e-006 * x^2 + 0.195558 * x + -0.00456631
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	180713M2_2	Standard	0.250	5.46	35.707	13781.687	0.032	0.2	-24.4	NO	0.998	NO	MM
2	2	180713M2_3	Standard	0.500	5.45	102.981	14078.919	0.091	0.5	-1.8	NO	0.998	NO	bb
3	3	180713M2_4	Standard	1.000	5.45	264.886	15064.172	0.220	1.1	14.7	NO	0.998	NO	bb
4	4	180713M2_5	Standard	2.000	5.45	453.887	13739.225	0.413	2.1	6.7	NO	0.998	NO	bb
5	5	180713M2_6	Standard	5.000	5.45	1009.641	13965.907	0.904	4.6	-7.1	NO	0.998	NO	bb
6	6	180713M2_7	Standard	10.000	5.45	2378.414	14368.988	2.069	10.6	6.0	NO	0.998	NO	bb
7	7	180713M2_8	Standard	50.000	5.46	11195.841	13772.092	10.162	51.9	3.8	NO	0.998	NO	bb
8	8	180713M2_9	Standard	100.000	5.45	23564.881	14005.803	21.031	107.1	7.1	NO	0.998	NO	bb
9	9	180713M2_10	Standard	250.000	5.45	52773.969	14261.752	46.255	234.5	-6.2	NO	0.998	NO	bb
10	10	180713M2_11	Standard	500.000	5.46	98702.648	12234.892	100.841	506.0	1.2	NO	0.998	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Compound name: PFDoA
Coefficient of Determination: R^2 = 0.998812
Calibration curve: -0.000548085 * x^2 + 1.40193 * x + -0.132588
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	180713M2_2	Standard	0.250	5.70	283.409	12955.929	0.273	0.3	15.9	NO	0.999	NO	bb
2	2	180713M2_3	Standard	0.500	5.69	738.716	15023.410	0.615	0.5	6.6	NO	0.999	NO	bb
3	3	180713M2_4	Standard	1.000	5.69	1535.562	14081.300	1.363	1.1	6.7	NO	0.999	NO	bb
4	4	180713M2_5	Standard	2.000	5.69	2966.006	15414.208	2.405	1.8	-9.4	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	5.69	6720.305	14385.663	5.839	4.3	-14.7	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	5.69	14514.063	13413.349	13.526	9.8	-2.2	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	5.69	74810.258	13967.373	66.951	48.8	-2.4	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	5.69	145629.094	14111.596	128.998	95.7	-4.3	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	5.69	361386.938	13658.199	330.742	263.1	5.2	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	5.70	577306.875	12937.527	557.783	493.0	-1.4	NO	0.999	NO	bb

Compound name: N-MeFOSA
Coefficient of Determination: R^2 = 0.999575
Calibration curve: -9.12784e-005 * x^2 + 0.972446 * x + 0.148981
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	180713M2_2	Standard	1.250	5.77	152.902	18576.695	1.235	1.1	-10.7	NO	1.000	NO	bb
2	2	180713M2_3	Standard	2.500	5.77	305.304	18161.447	2.522	2.4	-2.4	NO	1.000	NO	bb
3	3	180713M2_4	Standard	5.000	5.77	626.540	19002.900	4.946	4.9	-1.3	NO	1.000	NO	bb
4	4	180713M2_5	Standard	10.000	5.77	1412.970	19474.674	10.883	11.0	10.5	NO	1.000	NO	bb
5	5	180713M2_6	Standard	25.000	5.77	3270.521	18697.254	26.238	26.9	7.6	NO	1.000	NO	bb
6	6	180713M2_7	Standard	50.000	5.77	6639.041	19106.945	52.120	53.7	7.4	NO	1.000	NO	bb
7	7	180713M2_8	Standard	250.000	5.77	31395.396	19322.504	243.721	256.7	2.7	NO	1.000	NO	bb
8	8	180713M2_9	Standard	500.000	5.77	65198.422	21021.809	465.220	501.9	0.4	NO	1.000	NO	bb
9	9	180713M2_10	Standard	1250.000	5.77	141272.719	20236.857	1047.144	1215.3	-2.8	NO	1.000	NO	bb
10	10	180713M2_11	Standard	2500.000	5.77	227350.781	18210.414	1872.699	2523.2	0.9	NO	1.000	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.999877
Calibration curve: -0.00023857 * x^2 + 1.29146 * x + 0.0379642
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	180713M2_2	Standard	0.250	5.94	367.225	12955.929	0.354	0.2	-2.0	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	5.93	820.374	15023.410	0.683	0.5	-0.2	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	5.93	1535.688	14081.300	1.363	1.0	2.6	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	5.93	3010.207	15414.208	2.441	1.9	-6.9	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	5.93	7360.454	14385.663	6.396	4.9	-1.5	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	5.93	14866.804	13413.349	13.854	10.7	7.2	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	5.94	72853.375	13967.373	65.200	50.9	1.9	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	5.93	142351.641	14111.596	126.095	99.4	-0.6	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	5.93	333980.406	13658.199	305.659	248.0	-0.8	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	5.94	607853.813	12937.527	587.297	501.1	0.2	NO	1.000	NO	bb

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.999580
Calibration curve: -0.000821921 * x^2 + 1.75261 * x + 0.0312197
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	180713M2_2	Standard	0.250	6.15	282.841	6989.844	0.506	0.3	8.3	NO	1.000	NO	bb
2	2	180713M2_3	Standard	0.500	6.15	674.050	9134.898	0.922	0.5	1.7	NO	1.000	NO	bb
3	3	180713M2_4	Standard	1.000	6.15	1274.779	8543.369	1.865	1.0	4.7	NO	1.000	NO	bb
4	4	180713M2_5	Standard	2.000	6.15	2435.223	8757.767	3.476	2.0	-1.6	NO	1.000	NO	bb
5	5	180713M2_6	Standard	5.000	6.15	6274.629	8867.035	8.845	5.0	0.8	NO	1.000	NO	bb
6	6	180713M2_7	Standard	10.000	6.15	11225.080	9358.076	14.994	8.6	-14.3	NO	1.000	NO	bb
7	7	180713M2_8	Standard	50.000	6.15	56633.508	8435.421	83.922	49.0	-2.0	NO	1.000	NO	bb
8	8	180713M2_9	Standard	100.000	6.15	130180.766	9564.284	170.139	101.9	1.9	NO	1.000	NO	bb
9	9	180713M2_10	Standard	250.000	6.15	295470.563	9482.202	389.507	252.0	0.8	NO	1.000	NO	bb
10	10	180713M2_11	Standard	500.000	6.15	484789.375	9056.594	669.111	498.1	-0.4	NO	1.000	NO	db

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Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999833
Calibration curve: -4.01701e-005 * x^2 + 0.879984 * x + 0.0536627
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	180713M2_2	Standard	1.250	6.18	151.543	21031.254	1.081	1.2	-6.6	NO	1.000	NO	bb
2	2	180713M2_3	Standard	2.500	6.17	326.753	21152.734	2.317	2.6	2.9	NO	1.000	NO	bb
3	3	180713M2_4	Standard	5.000	6.18	564.069	22127.367	3.824	4.3	-14.3	NO	1.000	NO	bb
4	4	180713M2_5	Standard	10.000	6.17	1418.527	22671.490	9.385	10.6	6.1	NO	1.000	NO	bb
5	5	180713M2_6	Standard	25.000	6.17	3333.613	21647.729	23.099	26.2	4.9	NO	1.000	NO	bb
6	6	180713M2_7	Standard	50.000	6.17	6814.409	21795.723	46.897	53.4	6.7	NO	1.000	NO	bb
7	7	180713M2_8	Standard	250.000	6.18	31716.580	21578.164	220.477	253.4	1.4	NO	1.000	NO	bb
8	8	180713M2_9	Standard	500.000	6.17	65931.203	23037.078	429.294	499.2	-0.2	NO	1.000	NO	bb
9	9	180713M2_10	Standard	1250.000	6.18	141528.719	20702.896	1025.427	1234.8	-1.2	NO	1.000	NO	bb
10	10	180713M2_11	Standard	2500.000	6.18	227106.063	17428.158	1954.648	2508.4	0.3	NO	1.000	NO	bb

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.996194
Calibration curve: -0.000573825 * x^2 + 0.625344 * x + -0.00873181
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	180713M2_2	Standard	0.250	6.48	157.839	4651.726	0.170	0.3	14.1	NO	0.996	NO	MM
2	2	180713M2_3	Standard	0.500	6.48	261.296	5700.199	0.229	0.4	-23.9	NO	0.996	NO	bb
3	3	180713M2_4	Standard	1.000	6.48	581.344	5323.615	0.546	0.9	-11.2	NO	0.996	NO	bb
4	4	180713M2_5	Standard	2.000	6.48	1328.712	5809.376	1.144	1.8	-7.7	NO	0.996	NO	bb
5	5	180713M2_6	Standard	5.000	6.47	3500.938	5001.951	3.500	5.6	12.8	NO	0.996	NO	bb
6	6	180713M2_7	Standard	10.000	6.48	6315.762	4388.430	7.196	11.6	16.5	NO	0.996	NO	bb
7	7	180713M2_8	Standard	50.000	6.48	30104.789	4748.594	31.699	53.3	6.6	NO	0.996	NO	bb
8	8	180713M2_9	Standard	100.000	6.48	65306.449	6232.749	52.390	91.5	-8.5	NO	0.996	NO	bb
9	9	180713M2_10	Standard	250.000	6.48	151528.172	6220.353	121.800	254.0	1.6	NO	0.996	NO	bb
10	10	180713M2_11	Standard	500.000	6.48	262351.813	5843.076	224.498			NO	0.996	NO	bbXl

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Compound name: PFODA
Coefficient of Determination: R^2 = 0.994619
Calibration curve: -0.000281575 * x^2 + 0.922529 * x + 0.00668947
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	180713M2_2	Standard	0.250	6.71	250.690	4651.726	0.269	0.3	13.9	NO	0.995	NO	bb
2	2	180713M2_3	Standard	0.500	6.71	411.827	5700.199	0.361	0.4	-23.1	NO	0.995	NO	bb
3	3	180713M2_4	Standard	1.000	6.71	803.925	5323.615	0.755	0.8	-18.9	NO	0.995	NO	bb
4	4	180713M2_5	Standard	2.000	6.71	1701.273	5809.376	1.464	1.6	-21.0	NO	0.995	NO	bb
5	5	180713M2_6	Standard	5.000	6.71	5381.099	5001.951	5.379	5.8	16.7	NO	0.995	NO	bb
6	6	180713M2_7	Standard	10.000	6.71	10199.383	4388.430	11.621	12.6	26.4	NO	0.995	NO	bb
7	7	180713M2_8	Standard	50.000	6.71	51546.301	4748.594	54.275	59.9	19.8	NO	0.995	NO	bb
8	8	180713M2_9	Standard	100.000	6.71	104004.750	6232.749	83.434	93.1	-6.9	NO	0.995	NO	bb
9	9	180713M2_10	Standard	250.000	6.71	250982.953	6220.353	201.743	235.6	-5.8	NO	0.995	NO	bb
10	10	180713M2_11	Standard	500.000	6.71	463694.063	5843.076	396.789	509.3	1.9	NO	0.995	NO	bb

Compound name: N-MeFOSE
Coefficient of Determination: R^2 = 0.999423
Calibration curve: -8.77324e-005 * x^2 + 0.974484 * x + -0.0392547
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	180713M2_2	Standard	1.250	6.34	175.116	21309.094	1.233	1.3	4.4	NO	0.999	NO	bb
2	2	180713M2_3	Standard	2.500	6.34	283.300	22598.629	1.880	2.0	-21.2	NO	0.999	NO	bb
3	3	180713M2_4	Standard	5.000	6.34	783.860	21755.938	5.404	5.6	11.8	NO	0.999	NO	bb
4	4	180713M2_5	Standard	10.000	6.34	1452.786	23575.012	9.244	9.5	-4.7	NO	0.999	NO	bb
5	5	180713M2_6	Standard	25.000	6.34	3638.021	21427.850	25.467	26.2	4.9	NO	0.999	NO	MM
6	6	180713M2_7	Standard	50.000	6.34	6684.958	19231.918	52.140	53.8	7.6	NO	0.999	NO	bb
7	7	180713M2_8	Standard	250.000	6.34	34037.008	22337.242	228.567	239.8	-4.1	NO	0.999	NO	bb
8	8	180713M2_9	Standard	500.000	6.34	73532.641	23432.607	470.707	506.1	1.2	NO	0.999	NO	bb
9	9	180713M2_10	Standard	1250.000	6.34	169848.578	23578.164	1080.546	1249.4	-0.0	NO	0.999	NO	MM
10	10	180713M2_11	Standard	2500.000	6.34	324724.313	20132.688	2419.381	3746.4	49.9	YES	0.999	NO	bbX

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Compound name: N-EtFOSE
Coefficient of Determination: R^2 = 0.999832
Calibration curve: -1.71189e-005 * x^2 + 1.14513 * x + 0.0728236
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	180713M2_2	Standard	1.250	6.49	195.704	20872.225	1.406	1.2	-6.8	NO	1.000	NO	bb
2	2	180713M2_3	Standard	2.500	6.49	436.331	20412.107	3.206	2.7	9.5	NO	1.000	NO	bb
3	3	180713M2_4	Standard	5.000	6.48	815.738	22818.602	5.362	4.6	-7.6	NO	1.000	NO	bb
4	4	180713M2_5	Standard	10.000	6.49	1768.202	21870.072	12.128	10.5	5.3	NO	1.000	NO	bb
5	5	180713M2_6	Standard	25.000	6.48	3979.535	21589.143	27.650	24.1	-3.6	NO	1.000	NO	bb
6	6	180713M2_7	Standard	50.000	6.48	8559.806	21843.867	58.779	51.3	2.6	NO	1.000	NO	bb
7	7	180713M2_8	Standard	250.000	6.49	40656.535	21476.510	283.960	248.8	-0.5	NO	1.000	NO	bb
8	8	180713M2_9	Standard	500.000	6.49	90096.023	23224.803	581.895	512.0	2.4	NO	1.000	NO	bb
9	9	180713M2_10	Standard	1250.000	6.49	200444.594	21725.967	1383.906	1231.1	-1.5	NO	1.000	NO	bb
10	10	180713M2_11	Standard	2500.000	6.49	340941.656	18504.549	2763.712	2507.4	0.3	NO	1.000	NO	bb

Compound name: 13C3-PFBA
Response Factor: 0.915989
RRF SD: 0.0167703, Relative SD: 1.83084
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	180713M2_2	Standard	12.500	1.34	7908.634	8508.252	11.619	12.7	1.5	NO		NO	bb
2	2	180713M2_3	Standard	12.500	1.34	7697.999	8586.336	11.207	12.2	-2.1	NO		NO	MM
3	3	180713M2_4	Standard	12.500	1.34	7855.050	8474.557	11.586	12.6	1.2	NO		NO	MM
4	4	180713M2_5	Standard	12.500	1.34	7889.140	8552.973	11.530	12.6	0.7	NO		NO	MM
5	5	180713M2_6	Standard	12.500	1.34	7714.335	8192.728	11.770	12.8	2.8	NO		NO	MM
6	6	180713M2_7	Standard	12.500	1.34	7673.867	8523.984	11.253	12.3	-1.7	NO		NO	MM
7	7	180713M2_8	Standard	12.500	1.34	7434.815	8084.804	11.495	12.5	0.4	NO		NO	MM
8	8	180713M2_9	Standard	12.500	1.34	6775.695	7565.397	11.195	12.2	-2.2	NO		NO	MM
9	9	180713M2_10	Standard	12.500	1.34	6888.414	7667.210	11.230	12.3	-1.9	NO		NO	MM
10	10	180713M2_11	Standard	12.500	1.34	7132.608	7677.587	11.613	12.7	1.4	NO		NO	MM

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Compound name: 13C3-PFPeA
Response Factor: 0.988569
RRF SD: 0.0308799, Relative SD: 3.1237
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	180713M2_2	Standard	12.500	2.35	9424.334	9437.398	12.483	12.6	1.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	2.34	9301.735	9104.862	12.770	12.9	3.3	NO		NO	bb
3	3	180713M2_4	Standard	12.500	2.34	9271.572	9792.726	11.835	12.0	-4.2	NO		NO	bb
4	4	180713M2_5	Standard	12.500	2.34	9606.715	10105.765	11.883	12.0	-3.8	NO		NO	bb
5	5	180713M2_6	Standard	12.500	2.34	9435.593	9413.868	12.529	12.7	1.4	NO		NO	bb
6	6	180713M2_7	Standard	12.500	2.34	9426.865	9291.315	12.682	12.8	2.6	NO		NO	bb
7	7	180713M2_8	Standard	12.500	2.34	9244.303	9400.839	12.292	12.4	-0.5	NO		NO	bb
8	8	180713M2_9	Standard	12.500	2.34	10135.307	9995.804	12.674	12.8	2.6	NO		NO	bb
9	9	180713M2_10	Standard	12.500	2.34	9253.947	9148.592	12.644	12.8	2.3	NO		NO	bb
10	10	180713M2_11	Standard	12.500	2.34	7708.989	8180.770	11.779	11.9	-4.7	NO		NO	bb

Compound name: 13C3-PFBS
Response Factor: 0.119883
RRF SD: 0.00417327, Relative SD: 3.48112
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	180713M2_2	Standard	12.500	2.64	1137.955	9437.398	1.507	12.6	0.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	2.64	1093.112	9104.862	1.501	12.5	0.1	NO		NO	bb
3	3	180713M2_4	Standard	12.500	2.63	1137.611	9792.726	1.452	12.1	-3.1	NO		NO	bb
4	4	180713M2_5	Standard	12.500	2.64	1185.013	10105.765	1.466	12.2	-2.2	NO		NO	bb
5	5	180713M2_6	Standard	12.500	2.63	1138.417	9413.868	1.512	12.6	0.9	NO		NO	bb
6	6	180713M2_7	Standard	12.500	2.63	1102.365	9291.315	1.483	12.4	-1.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	2.64	1129.871	9400.839	1.502	12.5	0.3	NO		NO	bb
8	8	180713M2_9	Standard	12.500	2.63	1302.746	9995.804	1.629	13.6	8.7	NO		NO	bb
9	9	180713M2_10	Standard	12.500	2.63	1094.662	9148.592	1.496	12.5	-0.2	NO		NO	bb
10	10	180713M2_11	Standard	12.500	2.63	940.941	8180.770	1.438	12.0	-4.1	NO		NO	bb

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Compound name: 13C2-4:2 FTS
Response Factor: 0.24191
RRF SD: 0.0260722, Relative SD: 10.7776
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 180713M2_2	Standard	12.500	3.06	2262.779	9437.398	2.997	12.4	-0.9	NO		NO	bb
2	2 180713M2_3	Standard	12.500	3.04	2139.083	9104.862	2.937	12.1	-2.9	NO		NO	bb
3	3 180713M2_4	Standard	12.500	3.04	2129.083	9792.726	2.718	11.2	-10.1	NO		NO	bb
4	4 180713M2_5	Standard	12.500	3.04	2240.238	10105.765	2.771	11.5	-8.4	NO		NO	bb
5	5 180713M2_6	Standard	12.500	3.04	2333.146	9413.868	3.098	12.8	2.5	NO		NO	bb
6	6 180713M2_7	Standard	12.500	3.04	2075.201	9291.315	2.792	11.5	-7.7	NO		NO	bb
7	7 180713M2_8	Standard	12.500	3.04	2365.450	9400.839	3.145	13.0	4.0	NO		NO	bb
8	8 180713M2_9	Standard	12.500	3.04	2985.455	9995.804	3.733	15.4	23.5	NO		NO	bb
9	9 180713M2_10	Standard	12.500	3.04	4478.799	9148.592	6.120	25.3	102.4	NO		NO	bbX
10	10 180713M2_11	Standard	12.500	3.04	4942.526	8180.770	7.552	31.2	149.7	NO		NO	bbX

Compound name: 13C2-PFHxA
Response Factor: 0.745955
RRF SD: 0.0327551, Relative SD: 4.39103
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 180713M2_2	Standard	5.000	3.14	2834.617	9437.398	3.755	5.0	0.7	NO		NO	bb
2	2 180713M2_3	Standard	5.000	3.13	2836.602	9104.862	3.894	5.2	4.4	NO		NO	bb
3	3 180713M2_4	Standard	5.000	3.13	2783.196	9792.726	3.553	4.8	-4.7	NO		NO	bb
4	4 180713M2_5	Standard	5.000	3.13	2773.298	10105.765	3.430	4.6	-8.0	NO		NO	bb
5	5 180713M2_6	Standard	5.000	3.13	2948.611	9413.868	3.915	5.2	5.0	NO		NO	bb
6	6 180713M2_7	Standard	5.000	3.13	2727.608	9291.315	3.670	4.9	-1.6	NO		NO	bb
7	7 180713M2_8	Standard	5.000	3.13	2777.131	9400.839	3.693	5.0	-1.0	NO		NO	bb
8	8 180713M2_9	Standard	5.000	3.13	3139.397	9995.804	3.926	5.3	5.3	NO		NO	bb
9	9 180713M2_10	Standard	5.000	3.13	2793.825	9148.592	3.817	5.1	2.3	NO		NO	bb
10	10 180713M2_11	Standard	5.000	3.13	2385.688	8180.770	3.645	4.9	-2.3	NO		NO	bb

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Compound name: 13C4-PFHpA
Response Factor: 0.810925
RRF SD: 0.02477, Relative SD: 3.05454
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	180713M2_2	Standard	12.500	3.76	7882.038	9437.398	10.440	12.9	3.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	3.75	7378.714	9104.862	10.130	12.5	-0.1	NO		NO	bb
3	3	180713M2_4	Standard	12.500	3.75	7848.158	9792.726	10.018	12.4	-1.2	NO		NO	bb
4	4	180713M2_5	Standard	12.500	3.75	7843.696	10105.765	9.702	12.0	-4.3	NO		NO	bb
5	5	180713M2_6	Standard	12.500	3.75	7817.939	9413.868	10.381	12.8	2.4	NO		NO	bb
6	6	180713M2_7	Standard	12.500	3.75	7338.215	9291.315	9.872	12.2	-2.6	NO		NO	bb
7	7	180713M2_8	Standard	12.500	3.75	7518.153	9400.839	9.997	12.3	-1.4	NO		NO	bb
8	8	180713M2_9	Standard	12.500	3.75	7979.707	9995.804	9.979	12.3	-1.6	NO		NO	bb
9	9	180713M2_10	Standard	12.500	3.75	7876.601	9148.592	10.762	13.3	6.2	NO		NO	bb
10	10	180713M2_11	Standard	12.500	3.75	6600.139	8180.770	10.085	12.4	-0.5	NO		NO	bb

Compound name: 18O2-PFHxS
Response Factor: 0.408839
RRF SD: 0.0301244, Relative SD: 7.36828
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	180713M2_2	Standard	12.500	3.91	756.736	2126.146	4.449	10.9	-12.9	NO		NO	bb
2	2	180713M2_3	Standard	12.500	3.90	860.570	1949.449	5.518	13.5	8.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	3.90	816.693	2080.835	4.906	12.0	-4.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	3.90	961.815	2138.366	5.622	13.8	10.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	3.90	878.745	2110.084	5.206	12.7	1.9	NO		NO	bb
6	6	180713M2_7	Standard	12.500	3.90	998.336	2276.151	5.483	13.4	7.3	NO		NO	bb
7	7	180713M2_8	Standard	12.500	3.90	851.296	2049.348	5.192	12.7	1.6	NO		NO	bb
8	8	180713M2_9	Standard	12.500	3.90	809.956	2170.835	4.664	11.4	-8.7	NO		NO	bb
9	9	180713M2_10	Standard	12.500	3.90	875.892	2159.760	5.069	12.4	-0.8	NO		NO	bb
10	10	180713M2_11	Standard	12.500	3.90	710.218	1777.163	4.995	12.2	-2.3	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

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Compound name: 13C2-6:2 FTS
Response Factor: 0.212567
RRF SD: 0.0352454, Relative SD: 16.5808
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	180713M2_2	Standard	12.500	4.23	2307.357	10317.344	2.795	13.2	5.2	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.22	1926.098	9907.005	2.430	11.4	-8.5	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.22	2083.801	10344.438	2.518	11.8	-5.2	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.22	2178.331	10808.192	2.519	11.9	-5.2	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.21	1817.986	10556.896	2.153	10.1	-19.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.22	2179.242	10738.408	2.537	11.9	-4.5	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.22	2201.936	10359.516	2.657	12.5	-0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.21	3223.241	11046.292	3.647	17.2	37.3	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.22	4284.995	10348.838	5.176	24.3	94.8	NO		NO	bbX
10	10	180713M2_11	Standard	12.500	4.22	5160.774	8668.775	7.442	35.0	180.1	NO		NO	bbX

Compound name: 13C2-PFOA
Response Factor: 0.945973
RRF SD: 0.0362742, Relative SD: 3.83459
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	180713M2_2	Standard	12.500	4.28	9599.336	10317.344	11.630	12.3	-1.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.27	8966.970	9907.005	11.314	12.0	-4.3	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.27	9491.856	10344.438	11.470	12.1	-3.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.27	10257.139	10808.192	11.863	12.5	0.3	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.27	10031.416	10556.896	11.878	12.6	0.4	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.27	10166.606	10738.408	11.834	12.5	0.1	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.27	9248.792	10359.516	11.160	11.8	-5.6	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.27	10875.795	11046.292	12.307	13.0	4.1	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.27	10082.170	10348.838	12.178	12.9	3.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.27	8747.272	8668.775	12.613	13.3	6.7	NO		NO	bb

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Compound name: 13C5-PFNA
Response Factor: 0.979251
RRF SD: 0.0483184, Relative SD: 4.93422
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	180713M2_2	Standard	12.500	4.72	9922.181	10065.651	12.322	12.6	0.7	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.71	9337.510	9957.600	11.722	12.0	-4.2	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.71	9996.146	10152.842	12.307	12.6	0.5	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.71	10558.536	10736.849	12.292	12.6	0.4	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.71	9707.783	10784.417	11.252	11.5	-8.1	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.71	10632.364	9778.669	13.591	13.9	11.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.71	9584.063	9617.261	12.457	12.7	1.8	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.71	11384.273	11448.627	12.430	12.7	1.5	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.71	10190.485	10679.406	11.928	12.2	-2.6	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.71	8796.210	9082.638	12.106	12.4	-1.1	NO		NO	bb

Compound name: 13C8-PFOSA
Response Factor: 0.302895
RRF SD: 0.0236578, Relative SD: 7.81056
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	180713M2_2	Standard	12.500	4.78	4794.237	14184.789	4.225	13.9	11.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.77	4790.805	14312.807	4.184	13.8	10.5	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.77	4890.473	16085.883	3.800	12.5	0.4	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.77	5253.447	16971.828	3.869	12.8	2.2	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.77	4739.458	17685.236	3.350	11.1	-11.5	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.77	4360.021	15588.641	3.496	11.5	-7.7	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.77	4295.065	15606.623	3.440	11.4	-9.1	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.77	5309.321	16902.500	3.926	13.0	3.7	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.77	4657.183	15030.426	3.873	12.8	2.3	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.77	3692.763	12482.979	3.698	12.2	-2.3	NO		NO	bb

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Compound name: 13C8-PFOS
Response Factor: 1.10915
RRF SD: 0.0757242, Relative SD: 6.82722
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	180713M2_2	Standard	12.500	4.80	2711.711	2484.167	13.645	12.3	-1.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.79	2613.904	2602.025	12.557	11.3	-9.4	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.79	2832.045	2320.203	15.258	13.8	10.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.79	3069.275	2709.280	14.161	12.8	2.1	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.79	2701.124	2636.547	12.806	11.5	-7.6	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.79	2659.894	2447.411	13.585	12.2	-2.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.79	2870.707	2548.391	14.081	12.7	1.6	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.79	3163.843	2914.888	13.568	12.2	-2.1	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.79	2920.754	2350.833	15.530	14.0	12.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.79	2283.505	2121.740	13.453	12.1	-3.0	NO		NO	bb

Compound name: 13C2-PFDA
Response Factor: 1.00692
RRF SD: 0.0491458, Relative SD: 4.8808
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	180713M2_2	Standard	12.500	5.09	10953.468	11006.571	12.440	12.4	-1.2	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.08	11445.301	11087.531	12.903	12.8	2.5	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.08	11668.952	11096.681	13.145	13.1	4.4	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.08	12108.976	12458.268	12.150	12.1	-3.5	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.08	10323.984	11362.268	11.358	11.3	-9.8	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.08	11708.584	11192.125	13.077	13.0	3.9	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.08	11192.241	10388.725	13.467	13.4	7.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.08	11782.880	11815.017	12.466	12.4	-1.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.08	10973.018	11310.272	12.127	12.0	-3.6	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.09	9602.422	9426.520	12.733	12.6	1.2	NO		NO	bb

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Compound name: 13C2-8:2 FTS
Response Factor: 0.195098
RRF SD: 0.0144821, Relative SD: 7.42296
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	180713M2_2	Standard	12.500	5.06	1907.386	9437.398	2.526	12.9	3.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.05	1763.837	9104.862	2.422	12.4	-0.7	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.06	1780.577	9792.726	2.273	11.6	-6.8	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.06	1755.932	10105.765	2.172	11.1	-10.9	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.05	2033.900	9413.868	2.701	13.8	10.7	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.05	1782.862	9291.315	2.399	12.3	-1.6	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.06	1939.709	9400.839	2.579	13.2	5.8	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.05	3216.831	9995.804	4.023	20.6	65.0	NO		NO	bbX
9	9	180713M2_10	Standard	12.500	5.06	3627.645	9148.592	4.957	25.4	103.2	NO		NO	bbX
10	10	180713M2_11	Standard	12.500	5.06	5059.648	8180.770	7.731	39.6	217.0	NO		NO	bbX

Compound name: d3-N-MeFOSAA
Response Factor: 0.258518
RRF SD: 0.0341702, Relative SD: 13.2177
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	180713M2_2	Standard	12.500	5.24	3205.290	14184.789	2.825	10.9	-12.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.24	3045.261	14312.807	2.660	10.3	-17.7	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.24	4059.675	16085.883	3.155	12.2	-2.4	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.24	4303.040	16971.828	3.169	12.3	-1.9	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.23	3654.881	17685.236	2.583	10.0	-20.1	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.23	4183.393	15588.641	3.355	13.0	3.8	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.24	4575.552	15606.623	3.665	14.2	13.4	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.23	5030.708	16902.500	3.720	14.4	15.1	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.24	4432.137	15030.426	3.686	14.3	14.1	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.24	3492.988	12482.979	3.498	13.5	8.2	NO		NO	bb

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Compound name: d5-N-EtFOSAA
Response Factor: 0.279846
RRF SD: 0.0241607, Relative SD: 8.63357
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	180713M2_2	Standard	12.500	5.40	4037.900	14184.789	3.558	12.7	1.7	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.39	4034.384	14312.807	3.523	12.6	0.7	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.39	3796.835	16085.883	2.950	10.5	-15.7	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.39	5112.152	16971.828	3.765	13.5	7.6	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.38	5119.928	17685.236	3.619	12.9	3.5	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.39	4651.525	15588.641	3.730	13.3	6.6	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.39	4346.287	15606.623	3.481	12.4	-0.5	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.38	5025.404	16902.500	3.716	13.3	6.2	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.39	4427.707	15030.426	3.682	13.2	5.3	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.39	2950.787	12482.979	2.955	10.6	-15.5	NO		NO	bb

Compound name: 13C2-PFUdA
Response Factor: 0.905277
RRF SD: 0.0731901, Relative SD: 8.08483
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	180713M2_2	Standard	12.500	5.41	13781.687	14184.789	12.145	13.4	7.3	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.41	14078.919	14312.807	12.296	13.6	8.7	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.41	15064.172	16085.883	11.706	12.9	3.4	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.41	13739.225	16971.828	10.119	11.2	-10.6	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.41	13965.907	17685.236	9.871	10.9	-12.8	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.41	14368.988	15588.641	11.522	12.7	1.8	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.41	13772.092	15606.623	11.031	12.2	-2.5	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.41	14005.803	16902.500	10.358	11.4	-8.5	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.41	14261.752	15030.426	11.861	13.1	4.8	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.41	12234.892	12482.979	12.252	13.5	8.3	NO		NO	bb

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Compound name: 13C2-PFDoA
Response Factor: 1.26218
RRF SD: 0.0723436, Relative SD: 5.73164
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	180713M2_2	Standard	12.500	5.70	12955.929	11006.571	14.714	11.7	-6.7	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.69	15023.410	11087.531	16.937	13.4	7.4	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.69	14081.300	11096.681	15.862	12.6	0.5	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.69	15414.208	12458.268	15.466	12.3	-2.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.69	14385.663	11362.268	15.826	12.5	0.3	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.69	13413.349	11192.125	14.981	11.9	-5.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.69	13967.373	10388.725	16.806	13.3	6.5	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.69	14111.596	11815.017	14.930	11.8	-5.4	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.69	13658.199	11310.272	15.095	12.0	-4.3	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.69	12937.527	9426.520	17.156	13.6	8.7	NO		NO	bb

Compound name: d3-N-MeFOSA
Response Factor: 0.103977
RRF SD: 0.00920942, Relative SD: 8.85715
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	180713M2_2	Standard	150.000	5.80	18576.695	14184.789	16.370	157.4	5.0	NO		NO	bb
2	2	180713M2_3	Standard	150.000	5.80	18161.447	14312.807	15.861	152.5	1.7	NO		NO	bb
3	3	180713M2_4	Standard	150.000	5.80	19002.900	16085.883	14.767	142.0	-5.3	NO		NO	bb
4	4	180713M2_5	Standard	150.000	5.80	19474.674	16971.828	14.343	137.9	-8.0	NO		NO	bb
5	5	180713M2_6	Standard	150.000	5.79	18697.254	17685.236	13.215	127.1	-15.3	NO		NO	bb
6	6	180713M2_7	Standard	150.000	5.80	19106.945	15588.641	15.321	147.4	-1.8	NO		NO	bb
7	7	180713M2_8	Standard	150.000	5.80	19322.504	15606.623	15.476	148.8	-0.8	NO		NO	bb
8	8	180713M2_9	Standard	150.000	5.80	21021.809	16902.500	15.546	149.5	-0.3	NO		NO	bb
9	9	180713M2_10	Standard	150.000	5.80	20236.857	15030.426	16.830	161.9	7.9	NO		NO	bb
10	10	180713M2_11	Standard	150.000	5.80	18210.414	12482.979	18.235	175.4	16.9	NO		NO	bb

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Compound name: 13C2-PFTeDA
Response Factor: 0.574256
RRF SD: 0.0739896, Relative SD: 12.8844
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	180713M2_2	Standard	12.500	6.15	6989.844	14184.789	6.160	10.7	-14.2	NO		NO	bb
2	2	180713M2_3	Standard	12.500	6.15	9134.898	14312.807	7.978	13.9	11.1	NO		NO	bb
3	3	180713M2_4	Standard	12.500	6.15	8543.369	16085.883	6.639	11.6	-7.5	NO		NO	bb
4	4	180713M2_5	Standard	12.500	6.15	8757.767	16971.828	6.450	11.2	-10.1	NO		NO	bb
5	5	180713M2_6	Standard	12.500	6.15	8867.035	17685.236	6.267	10.9	-12.7	NO		NO	bb
6	6	180713M2_7	Standard	12.500	6.15	9358.076	15588.641	7.504	13.1	4.5	NO		NO	bb
7	7	180713M2_8	Standard	12.500	6.15	8435.421	15606.623	6.756	11.8	-5.9	NO		NO	bb
8	8	180713M2_9	Standard	12.500	6.15	9564.284	16902.500	7.073	12.3	-1.5	NO		NO	bb
9	9	180713M2_10	Standard	12.500	6.15	9482.202	15030.426	7.886	13.7	9.9	NO		NO	bb
10	10	180713M2_11	Standard	12.500	6.15	9056.594	12482.979	9.069	15.8	26.3	NO		NO	bb

Compound name: d5-N-ETFOSA
Response Factor: 0.115111
RRF SD: 0.00604057, Relative SD: 5.24761
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	180713M2_2	Standard	150.000	6.20	21031.254	14184.789	18.533	161.0	7.3	NO		NO	bb
2	2	180713M2_3	Standard	150.000	6.19	21152.734	14312.807	18.474	160.5	7.0	NO		NO	bb
3	3	180713M2_4	Standard	150.000	6.19	22127.367	16085.883	17.195	149.4	-0.4	NO		NO	bb
4	4	180713M2_5	Standard	150.000	6.19	22671.490	16971.828	16.698	145.1	-3.3	NO		NO	bb
5	5	180713M2_6	Standard	150.000	6.19	21647.729	17685.236	15.301	132.9	-11.4	NO		NO	bb
6	6	180713M2_7	Standard	150.000	6.19	21795.723	15588.641	17.477	151.8	1.2	NO		NO	bb
7	7	180713M2_8	Standard	150.000	6.19	21578.164	15606.623	17.283	150.1	0.1	NO		NO	bb
8	8	180713M2_9	Standard	150.000	6.19	23037.078	16902.500	17.037	148.0	-1.3	NO		NO	bb
9	9	180713M2_10	Standard	150.000	6.19	20702.896	15030.426	17.217	149.6	-0.3	NO		NO	bb
10	10	180713M2_11	Standard	150.000	6.20	17428.158	12482.979	17.452	151.6	1.1	NO		NO	bb

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Compound name: 13C2-PFHxDA
Response Factor: 0.879684
RRF SD: 0.15108, Relative SD: 17.1743
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 180713M2_2	Standard	5.000	6.48	4651.726	14184.789	4.099	4.7	-6.8	NO		NO	bb
2	2 180713M2_3	Standard	5.000	6.48	5700.199	14312.807	4.978	5.7	13.2	NO		NO	bb
3	3 180713M2_4	Standard	5.000	6.48	5323.615	16085.883	4.137	4.7	-5.9	NO		NO	bb
4	4 180713M2_5	Standard	5.000	6.48	5809.376	16971.828	4.279	4.9	-2.7	NO		NO	bb
5	5 180713M2_6	Standard	5.000	6.47	5001.951	17685.236	3.535	4.0	-19.6	NO		NO	bb
6	6 180713M2_7	Standard	5.000	6.48	4388.430	15588.641	3.519	4.0	-20.0	NO		NO	bb
7	7 180713M2_8	Standard	5.000	6.49	4748.594	15606.623	3.803	4.3	-13.5	NO		NO	bb
8	8 180713M2_9	Standard	5.000	6.47	6232.749	16902.500	4.609	5.2	4.8	NO		NO	bb
9	9 180713M2_10	Standard	5.000	6.48	6220.353	15030.426	5.173	5.9	17.6	NO		NO	bb
10	10 180713M2_11	Standard	5.000	6.48	5843.076	12482.979	5.851	6.7	33.0	NO		NO	bb

Compound name: d7-N-MeFOSE
Response Factor: 0.118893
RRF SD: 0.0116452, Relative SD: 9.79467
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 180713M2_2	Standard	150.000	6.34	21309.094	14184.789	18.778	157.9	5.3	NO		NO	bb
2	2 180713M2_3	Standard	150.000	6.33	22598.629	14312.807	19.736	166.0	10.7	NO		NO	bb
3	3 180713M2_4	Standard	150.000	6.33	21755.938	16085.883	16.906	142.2	-5.2	NO		NO	bb
4	4 180713M2_5	Standard	150.000	6.33	23575.012	16971.828	17.363	146.0	-2.6	NO		NO	bb
5	5 180713M2_6	Standard	150.000	6.33	21427.850	17685.236	15.145	127.4	-15.1	NO		NO	bb
6	6 180713M2_7	Standard	150.000	6.33	19231.918	15588.641	15.421	129.7	-13.5	NO		NO	bb
7	7 180713M2_8	Standard	150.000	6.33	22337.242	15606.623	17.891	150.5	0.3	NO		NO	bb
8	8 180713M2_9	Standard	150.000	6.33	23432.607	16902.500	17.329	145.8	-2.8	NO		NO	bb
9	9 180713M2_10	Standard	150.000	6.33	23578.164	15030.426	19.609	164.9	10.0	NO		NO	bb
10	10 180713M2_11	Standard	150.000	6.33	20132.688	12482.979	20.160	169.6	13.0	NO		NO	bb

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Compound name: d9-N-EtFOSE
Response Factor: 0.115873
RRF SD: 0.00679654, Relative SD: 5.86551
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	180713M2_2	Standard	150.000	6.48	20872.225	14184.789	18.393	158.7	5.8	NO		NO	bb
2	2	180713M2_3	Standard	150.000	6.48	20412.107	14312.807	17.827	153.8	2.6	NO		NO	bb
3	3	180713M2_4	Standard	150.000	6.48	22818.602	16085.883	17.732	153.0	2.0	NO		NO	bb
4	4	180713M2_5	Standard	150.000	6.48	21870.072	16971.828	16.108	139.0	-7.3	NO		NO	bb
5	5	180713M2_6	Standard	150.000	6.48	21589.143	17685.236	15.259	131.7	-12.2	NO		NO	bb
6	6	180713M2_7	Standard	150.000	6.48	21843.867	15588.641	17.516	151.2	0.8	NO		NO	bb
7	7	180713M2_8	Standard	150.000	6.48	21476.510	15606.623	17.201	148.5	-1.0	NO		NO	bb
8	8	180713M2_9	Standard	150.000	6.48	23224.803	16902.500	17.176	148.2	-1.2	NO		NO	bb
9	9	180713M2_10	Standard	150.000	6.48	21725.967	15030.426	18.068	155.9	4.0	NO		NO	bb
10	10	180713M2_11	Standard	150.000	6.48	18504.549	12482.979	18.530	159.9	6.6	NO		NO	bb

Compound name: 13C4-PFBA
Response Factor: 1
RRF SD: 1.11022e-016, Relative SD: 1.11022e-014
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	180713M2_2	Standard	12.500	1.34	8508.252	8508.252	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	1.34	8586.336	8586.336	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	1.34	8474.557	8474.557	12.500	12.5	0.0	NO		NO	MM
4	4	180713M2_5	Standard	12.500	1.34	8552.973	8552.973	12.500	12.5	0.0	NO		NO	MM
5	5	180713M2_6	Standard	12.500	1.34	8192.728	8192.728	12.500	12.5	0.0	NO		NO	MM
6	6	180713M2_7	Standard	12.500	1.34	8523.984	8523.984	12.500	12.5	0.0	NO		NO	MM
7	7	180713M2_8	Standard	12.500	1.34	8084.804	8084.804	12.500	12.5	0.0	NO		NO	MM
8	8	180713M2_9	Standard	12.500	1.34	7565.397	7565.397	12.500	12.5	0.0	NO		NO	MM
9	9	180713M2_10	Standard	12.500	1.34	7667.210	7667.210	12.500	12.5	0.0	NO		NO	MM
10	10	180713M2_11	Standard	12.500	1.34	7677.587	7677.587	12.500	12.5	0.0	NO		NO	MM

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Compound name: 13C5-PFHxA
Response Factor: 1
RRF SD: 3.70074e-017, Relative SD: 3.70074e-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	180713M2_2	Standard	12.500	3.14	9437.398	9437.398	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	3.13	9104.862	9104.862	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	3.13	9792.726	9792.726	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	3.13	10105.765	10105.765	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	3.13	9413.868	9413.868	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	3.13	9291.315	9291.315	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	3.13	9400.839	9400.839	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	3.13	9995.804	9995.804	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	3.13	9148.592	9148.592	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	3.13	8180.770	8180.770	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C3-PFHxS
Response Factor: 1
RRF SD: 8.27511e-017, Relative SD: 8.27511e-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	180713M2_2	Standard	12.500	3.91	2126.146	2126.146	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	3.90	1949.449	1949.449	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	3.90	2080.835	2080.835	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	3.90	2138.366	2138.366	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	3.90	2110.084	2110.084	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	3.90	2276.151	2276.151	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	3.90	2049.348	2049.348	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	3.90	2170.835	2170.835	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	3.90	2159.760	2159.760	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	3.90	1777.163	1777.163	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	180713M2_2	Standard	12.500	4.28	10317.344	10317.344	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.27	9907.005	9907.005	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.27	10344.438	10344.438	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.27	10808.192	10808.192	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.27	10556.896	10556.896	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.27	10738.408	10738.408	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.27	10359.516	10359.516	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.27	11046.292	11046.292	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.27	10348.838	10348.838	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.27	8668.775	8668.775	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	180713M2_2	Standard	12.500	4.72	10065.651	10065.651	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.71	9957.600	9957.600	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.71	10152.842	10152.842	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.71	10736.849	10736.849	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.71	10784.417	10784.417	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.71	9778.669	9778.669	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.71	9617.261	9617.261	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.71	11448.627	11448.627	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.71	10679.406	10679.406	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.71	9082.638	9082.638	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	180713M2_2	Standard	12.500	4.80	2484.167	2484.167	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.79	2602.025	2602.025	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.79	2320.203	2320.203	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.79	2709.280	2709.280	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.79	2636.547	2636.547	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.79	2447.411	2447.411	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.80	2548.391	2548.391	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.79	2914.888	2914.888	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.79	2350.833	2350.833	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.80	2121.740	2121.740	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	180713M2_2	Standard	12.500	5.09	11006.571	11006.571	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.08	11087.531	11087.531	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.08	11096.681	11096.681	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.08	12458.268	12458.268	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.08	11362.268	11362.268	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.08	11192.125	11192.125	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.08	10388.725	10388.725	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.08	11815.017	11815.017	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.08	11310.272	11310.272	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.09	9426.520	9426.520	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:03:22 Pacific Daylight Time

Compound name: 13C7-PFUdA
Response Factor: 1
RRF SD: 8.27511e-017, Relative SD: 8.27511e-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	180713M2_2	Standard	12.500	5.41	14184.789	14184.789	12.500	12.5	0.0	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.41	14312.807	14312.807	12.500	12.5	0.0	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.41	16085.883	16085.883	12.500	12.5	0.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.41	16971.828	16971.828	12.500	12.5	0.0	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.41	17685.236	17685.236	12.500	12.5	0.0	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.41	15588.641	15588.641	12.500	12.5	0.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.41	15606.623	15606.623	12.500	12.5	0.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.41	16902.500	16902.500	12.500	12.5	0.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.41	15030.426	15030.426	12.500	12.5	0.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.41	12482.979	12482.979	12.500	12.5	0.0	NO		NO	bb

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:26:46 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Name: 180713M2_2, Date: 13-Jul-2018, Time: 16:32:35, ID: ST180713M2-1 PFC CS-2 18G0504, Description: PFC CS-2 18G0504

	#	Name	IS#	CoD	CoD Flag	%RSD
1	1	PFBA	36	0.9999	NO	
2	2	PFPeA	37	1.0000	NO	
3	3	PFBS	38	0.9992	NO	
4	4	4:2 FTS	39	0.9916	NO	
5	5	PFHxA	40	0.9998	NO	
6	6	PFPeS	38	0.9969	NO	
7	7	PFHpA	41	0.9992	NO	
8	8	L-PFHxS	42	0.9972	NO	
9	10	6:2 FTS	43	0.9926	NO	
10	11	L-PFOA	44	0.9996	NO	
11	13	PFHpS	47	0.9998	NO	
12	14	PFNA	45	0.9987	NO	
13	15	PFOSA	46	0.9970	NO	
14	16	L-PFOS	47	0.9992	NO	
15	18	PFDA	48	0.9993	NO	
16	19	8:2 FTS	49	0.9974	NO	
17	20	PFNS	47	0.9992	NO	
18	21	L-MeFOSAA	50	0.9998	NO	
19	23	L-EtFOSAA	51	0.9922	NO	

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:26:58 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Name: 180713M2_2, Date: 13-Jul-2018, Time: 16:32:35, ID: ST180713M2-1 PFC CS-2 18G0504, Description: PFC CS-2 18G0504

	#	Name	IS#	CoD	CoD Flag	%RSD
1	25	PFUdA	52	0.9993	NO	
2	26	PFDS	52	0.9981	NO	
3	27	PFDoA	53	0.9988	NO	
4	28	N-MeFOSA	54	0.9996	NO	
5	29	PFTrDA	53	0.9999	NO	
6	30	PFTeDA	55	0.9996	NO	
7	31	N-EtFOSA	56	0.9998	NO	
8	32	PFHxDA	57	0.9962	NO	
9	33	PFODA	57	0.9946	NO	
10	34	N-MeFOSE	58	0.9994	NO	
11	35	N-EtFOSE	59	0.9998	NO	
12	36	13C3-PFBA	60		NO	1.831
13	37	13C3-PFPeA	61		NO	3.124
14	38	13C3-PFBS	61		NO	3.481
15	39	13C2-4:2 FTS	61		NO	10.778
16	40	13C2-PFHxA	61		NO	4.391
17	41	13C4-PFHpA	61		NO	3.055
18	42	18O2-PFHxS	62		NO	7.368
19	43	13C2-6:2 FTS	63		NO	16.581
20	44	13C2-PFOA	63		NO	3.835
21	45	13C5-PFNA	64		NO	4.934
22	46	13C8-PFOSA	67		NO	7.811
23	47	13C8-PFOS	65		NO	6.827
24	48	13C2-PFDA	66		NO	4.881
25	49	13C2-8:2 FTS	61		NO	7.423
26	50	d3-N-MeFOSAA	67		NO	13.218
27	51	d5-N-EtFOSAA	67		NO	8.634
28	52	13C2-PFUdA	67		NO	8.085
29	53	13C2-PFDoA	66		NO	5.732
30	54	d3-N-MeFOSA	67		NO	8.857
31	55	13C2-PFTeDA	67		NO	12.884
32	56	d5-N-ETFOSA	67		NO	5.248

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:26:58 Pacific Daylight Time

Name: 180713M2_2, Date: 13-Jul-2018, Time: 16:32:35, ID: ST180713M2-1 PFC CS-2 18G0504, Description: PFC CS-2 18G0504

	#	Name	IS#	CoD	CoD Flag	%RSD
33	57	13C2-PFHxDA	67		NO	17.174
34	58	d7-N-MeFOSE	67		NO	9.795
35	59	d9-N-EtFOSE	67		NO	5.866
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

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:27:26 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Name: 180713M2_7, Date: 13-Jul-2018, Time: 17:24:55, ID: ST180713M2-6 PFC CS3 18G0509, Description: PFC CS3 18G0509

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.612	NO
4	4:2 FTS	1.443	NO
5	PFHxA	301.141	NO
6	PFPeS	1.619	NO
7	PFHpA	16.893	NO
8	L-PFHxS	1.399	NO
9	6:2 FTS	2.488	NO
10	L-PFOA	3.373	NO
11	PFHpS	2.046	NO
12	PFNA	3.834	NO
13	PFOSA	31.985	NO
14	L-PFOS	2.597	NO
15	PFDA	5.714	NO
16	8:2 FTS	2.498	NO
17	PFNS	1.601	NO
18	L-MeFOSAA	16.630	NO
19	L-EtFOSAA	15.252	NO

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Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Last Altered: Saturday, July 14, 2018 11:20:07 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:27:40 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Name: 180713M2_7, Date: 13-Jul-2018, Time: 17:24:55, ID: ST180713M2-6 PFC CS3 18G0509, Description: PFC CS3 18G0509

	Name	Ion Ratio	Ratio out?
1	PFUdA	11.135	NO
2	PFDS	2.687	NO
3	PFDoA	8.400	NO
4	N-MeFOSA	1.355	NO
5	PFTrDA	22.843	NO
6	PFTeDA	10.544	NO
7	N-EtFOSA	1.418	NO
8	PFHxDA	22.847	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Saturday, July 14, 2018 11:53:11 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:53:23 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_071318.mdb 14 Jul 2018 10:54:17
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_07-13-18.cdb 14 Jul 2018 11:20:07

Compound name: PFBA

	#	Name	ID	Acq.Date	Acq.Time
1	1	180713M2_1	IPA	13-Jul-18	16:22:10
2	2	180713M2_2	ST180713M2-1 PFC CS-2 18G0504	13-Jul-18	16:32:35
3	3	180713M2_3	ST180713M2-2 PFC CS-1 18G0505	13-Jul-18	16:43:04
4	4	180713M2_4	ST180713M2-3 PFC CS0 18G0506	13-Jul-18	16:53:30
5	5	180713M2_5	ST180713M2-4 PFC CS1 18G0507	13-Jul-18	17:04:00
6	6	180713M2_6	ST180713M2-5 PFC CS2 18G0508	13-Jul-18	17:14:24
7	7	180713M2_7	ST180713M2-6 PFC CS3 18G0509	13-Jul-18	17:24:55
8	8	180713M2_8	ST180713M2-7 PFC CS4 18G0510	13-Jul-18	17:35:19
9	9	180713M2_9	ST180713M2-8 PFC CS5 18G0511	13-Jul-18	17:45:50
10	10	180713M2_10	ST180713M2-9 PFC CS6 18G0512	13-Jul-18	17:56:15
11	11	180713M2_11	ST180713M2-10 PFC CS7 18G0513	13-Jul-18	18:06:45
12	12	180713M2_12	IPA	13-Jul-18	18:17:33
13	13	180713M2_13	ICV180713M2-1 PFC 537 ICV 18G0514	13-Jul-18	18:27:59

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-ICV.qld

Last Altered: Saturday, July 14, 2018 11:32:32 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:32:48 Pacific Daylight Time

Name: 180713M2_13, Date: 13-Jul-2018, Time: 18:27:59, ID: ICV180713M2-1 PFC 537 ICV 18G0514, Description: PFC 537 ICV 18G0514

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	6089.455	6912.343	1.00	1.35	11.012	9.5	95.1	NO		
2	2	PFPeA	263.1 > 218.9	8223.761	10426.973	1.00	2.33	9.859	9.4	94.3	NO		
3	3	PFBS	299.0 > 79.7	1642.511	1336.446	1.00	2.63	15.363	7.7	77.5	NO	2.553	NO
4	4	4:2 FTS	327.2>307.2	1747.236	2634.399	1.00	3.04	8.290	8.6	85.5	NO	1.725	NO
5	5	PFHxA	313.2 > 268.9	10209.047	2982.499	1.00	3.13	17.115	10.2	102.2	NO	226.039	NO
6	6	PFPeS	349.1>80.1	1743.944	1336.446	1.00	3.34	16.311	8.9	89.2	NO	1.719	NO
7	36	13C3-PFBA	216.1 > 171.8	6912.343	7454.905	1.00	1.34	11.590	12.7	101.2	NO		
8	37	13C3-PFPeA	266. > 221.8	10426.973	10291.165	1.00	2.33	12.665	12.8	102.5	NO		
9	38	13C3-PFBS	302. > 98.8	1336.446	10291.165	1.00	2.63	1.623	13.5	108.3	NO		
10	39	13C2-4:2 FTS	329.2>308.9	2634.399	10291.165	1.00	3.04	3.200	13.2	105.8	NO		
11	40	13C2-PFHxA	315 > 269.8	2982.499	10291.165	1.00	3.13	3.623	4.9	97.1	NO		
12	38	13C3-PFBS	302. > 98.8	1336.446	10291.165	1.00	2.63	1.623	13.5	108.3	NO		
13	-1												
14	10	6:2 FTS	427.1 > 407	1768.199	2265.444	1.00	4.22	9.756	9.4	93.8	NO	2.836	NO
15	7	PFHpA	363.0 > 318.9	7412.602	8621.217	1.00	3.75	10.748	9.4	93.8	NO	14.608	NO
16	8	L-PFHxS	398.9 > 79.6	1235.618	978.114	1.00	3.90	15.791	8.4	83.9	NO	1.494	NO
17	11	L-PFOA	413 > 368.7	8627.976	9758.488	1.00	4.27	11.052	10.7	106.6	NO	3.379	NO
18	13	PFHpS	449 > 80.0	2048.509	2887.367	1.00	4.38	8.868	11.1	110.8	NO	2.114	NO
19	14	PFNA	463.0 > 418.8	9593.586	10819.825	1.00	4.71	11.083	9.6	95.9	NO	4.661	NO
20	43	13C2-6:2 FTS	429.1 > 408.9	2265.444	11565.466	1.00	4.22	2.449	11.5	92.1	NO		
21	41	13C4-PFHpA	367.2 > 321.8	8621.217	10291.165	1.00	3.75	10.472	12.9	103.3	NO		
22	42	18O2-PFHxS	403.0 > 102.6	978.114	2263.973	1.00	3.90	5.400	13.2	105.7	NO		
23	44	13C2-PFOA	414.9 > 369.7	9758.488	11565.466	1.00	4.27	10.547	11.1	89.2	NO		
24	47	13C8-PFOS	507.0 > 79.9	2887.367	2788.762	1.00	4.79	12.942	11.7	93.3	NO		
25	45	13C5-PFNA	468.2 > 422.9	10819.825	11159.254	1.00	4.71	12.120	12.4	99.0	NO		
26	-1												
27	15	PFOSA	498.2 > 77.9	4258.884	5335.334	1.00	4.77	9.978	10.4	104.0	NO	32.949	NO
28	16	L-PFOS	499.1 > 79.9	2100.964	2887.367	1.00	4.80	9.096	10.6	106.5	NO	2.082	NO
29	18	PFDA	513 > 468.8	11861.802	12073.997	1.00	5.08	12.280	9.5	95.4	NO	4.984	NO
30	19	8:2 FTS	527 > 506.9	2162.653	2142.800	1.00	5.06	12.616	8.4	83.8	NO	2.302	NO
31	20	PFNS	549.1>80.1	2065.454	2887.367	1.00	5.15	8.942	10.9	109.2	NO	1.942	NO
32	21	L-MeFOSAA	570.1 > 419	4002.058	3810.680	1.00	5.24	13.128	12.3	122.9	NO	12.588	NO
33	46	13C8-PFOSA	506.1 > 77.7	5335.334	18718.240	1.00	4.77	3.563	11.8	94.1	NO		
34	47	13C8-PFOS	507.0 > 79.9	2887.367	2788.762	1.00	4.79	12.942	11.7	93.3	NO		
35	48	13C2-PFDA	515.1 > 469.9	12073.997	12630.599	1.00	5.08	11.949	11.9	94.9	NO		
36	49	13C2-8:2 FTS	529.1 > 508.7	2142.800	10291.165	1.00	5.06	2.603	13.3	106.7	NO		

KBF 7/14/18
Ccat 7/14/18

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-ICV.qld

Last Altered: Saturday, July 14, 2018 11:32:32 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:32:48 Pacific Daylight Time

(A) Compounds not present in ICV

Name: 180713M2_13, Date: 13-Jul-2018, Time: 18:27:59, ID: ICV180713M2-1 PFC 537 ICV 18G0514, Description: PFC 537 ICV 18G0514

	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47	13C8-PFOS	507.0 > 79.9	2887.367	2788.762	1.00	4.79	12.942	11.7	93.3	NO		
38	50	d3-N-MeFOSAA	573.3 > 419	3810.680	18718.240	1.00	5.24	2.545	9.8	78.7	NO		
39	-1												
40	23	L-EtFOSAA	584.2 > 419	4203.180	4753.352	1.00	5.40	11.053	12.2	122.1	NO	16.398	NO
41	27	PFDoA	612.9 > 569.0	17253.559	14339.851	1.00	5.69	15.040	10.9	108.7	NO	8.756	NO
42	26	PFDS	598.8 > 80	2284.934	15399.205	1.00	5.45	1.855	9.5	95.0	NO	2.142	NO
43	25	PFUdA	563.0 > 518.9	11788.657	15399.205	1.00	5.41	9.569	8.9	89.4	NO	9.814	NO
44	28	N-MeFOSA	512.1 > 168.9		21050.539	1.00				(A)	NO		
45	29	PFTrDA	662.9 > 618.9	16306.266	14339.851	1.00	5.93	14.214	11.0	110.0	NO	24.650	NO
46	51	d5-N-EtFOSAA	589.3 > 419	4753.352	18718.240	1.00	5.39	3.174	11.3	90.7	NO		
47	53	13C2-PFDoA	615.0 > 569.7	14339.851	12630.599	1.00	5.69	14.192	11.2	89.9	NO		
48	52	13C2-PFUdA	565 > 519.8	15399.205	18718.240	1.00	5.41	10.284	11.4	90.9	NO		
49	52	13C2-PFUdA	565 > 519.8	15399.205	18718.240	1.00	5.41	10.284	11.4	90.9	NO		
50	54	d3-N-MeFOSA	515.2 > 168.9	21050.539	18718.240	1.00	5.80	14.058	135.2	90.1	NO		
51	53	13C2-PFDoA	615.0 > 569.7	14339.851	12630.599	1.00	5.69	14.192	11.2	89.9	NO		
52	-1												
53	30	PFTeDA	712.9 > 668.8	13311.973	10474.803	1.00	6.15	15.886	9.1	90.8	NO	11.564	NO
54	31	N-EtFOSA	526.1 > 168.9		23718.668	1.00				(A)	NO		
55	32	PFHxDA	813.1 > 768.6		6610.382	1.00					NO		
56	33	PFODA	913.1 > 868.8		6610.382	1.00					NO		
57	34	N-MeFOSE	616.1 > 58.9		25219.777	1.00					NO		
58	35	N-EtFOSE	630.1 > 58.9		24111.311	1.00					NO		
59	55	13C2-PFTeDA	714.8 > 669.6	10474.803	18718.240	1.00	6.15	6.995	12.2	97.4	NO		
60	56	d5-N-ETFOSA	531.1 > 168.9	23718.668	18718.240	1.00	6.19	15.839	137.6	91.7	NO		
61	57	13C2-PFHxDA	815 > 769.7	6610.382	18718.240	1.00	6.48	4.414	5.0	100.4	NO		
62	57	13C2-PFHxDA	815 > 769.7	6610.382	18718.240	1.00	6.48	4.414	5.0	100.4	NO		
63	58	d7-N-MeFOSE	623.1 > 58.9	25219.777	18718.240	1.00	6.33	16.842	141.7	94.4	NO		
64	59	d9-N-EtFOSE	639.2 > 58.8	24111.311	18718.240	1.00	6.48	16.101	139.0	92.6	NO		
65	-1												
66	60	13C4-PFBA	217. > 171.8	7454.905	7454.905	1.00	1.34	12.500	12.5	100.0	NO		
67	61	13C5-PFHxA	318 > 272.9	10291.165	10291.165	1.00	3.13	12.500	12.5	100.0	NO		
68	62	13C3-PFHxS	401.9 > 79.9	2263.973	2263.973	1.00	3.90	12.500	12.5	100.0	NO		
69	63	13C8-PFOA	421.3 > 376	11565.466	11565.466	1.00	4.27	12.500	12.5	100.0	NO		
70	64	13C9-PFNA	472.2 > 426.9	11159.254	11159.254	1.00	4.71	12.500	12.5	100.0	NO		
71	65	13C4-PFOS	503 > 79.9	2788.762	2788.762	1.00	4.79	12.500	12.5	100.0	NO		
72	66	13C6-PFDA	519.1 > 473.7	12630.599	12630.599	1.00	5.08	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-ICV.qld

Last Altered: Saturday, July 14, 2018 11:32:32 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:32:48 Pacific Daylight Time

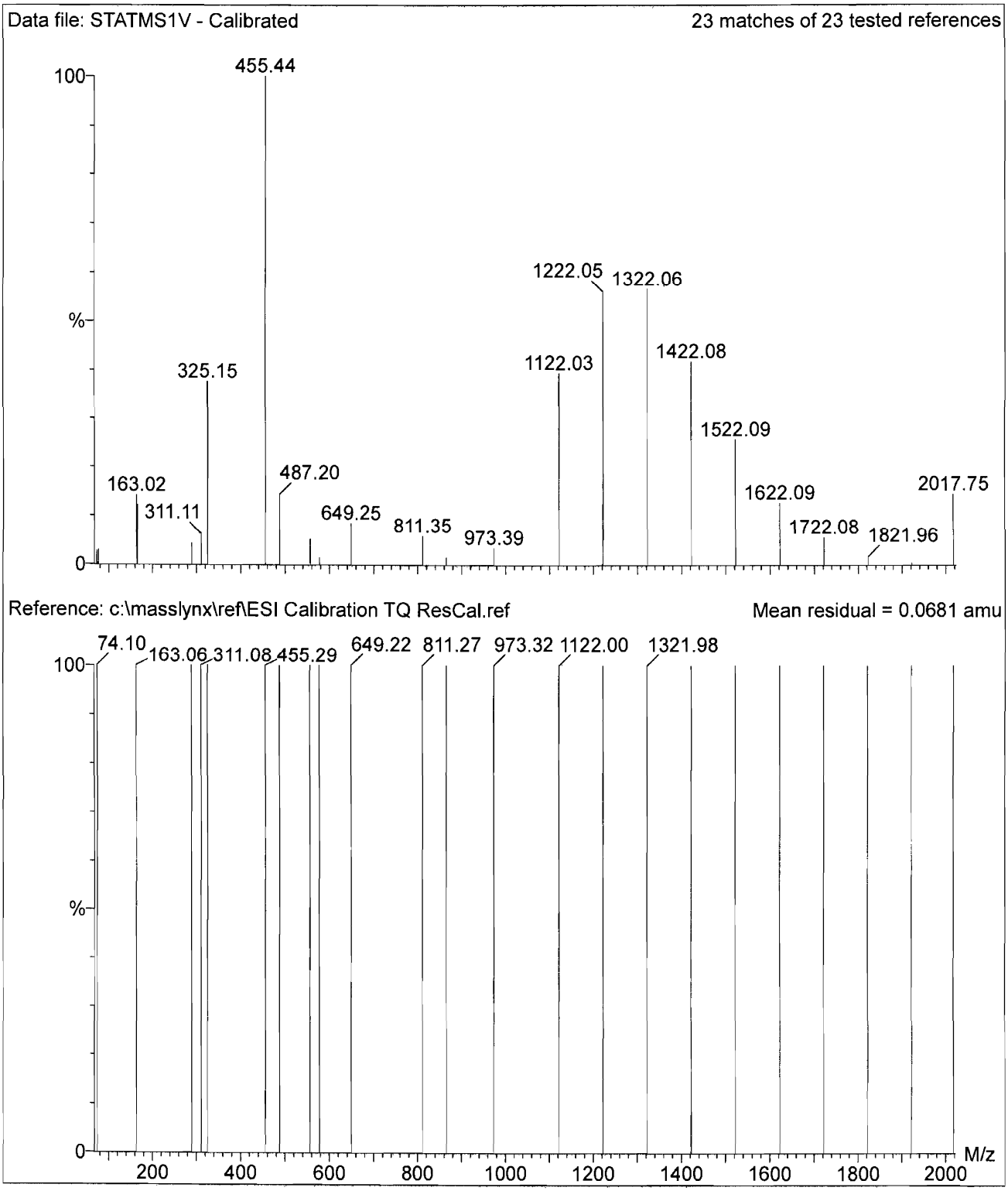
Name: 180713M2_13, Date: 13-Jul-2018, Time: 18:27:59, ID: ICV180713M2-1 PFC 537 ICV 18G0514, Description: PFC 537 ICV 18G0514

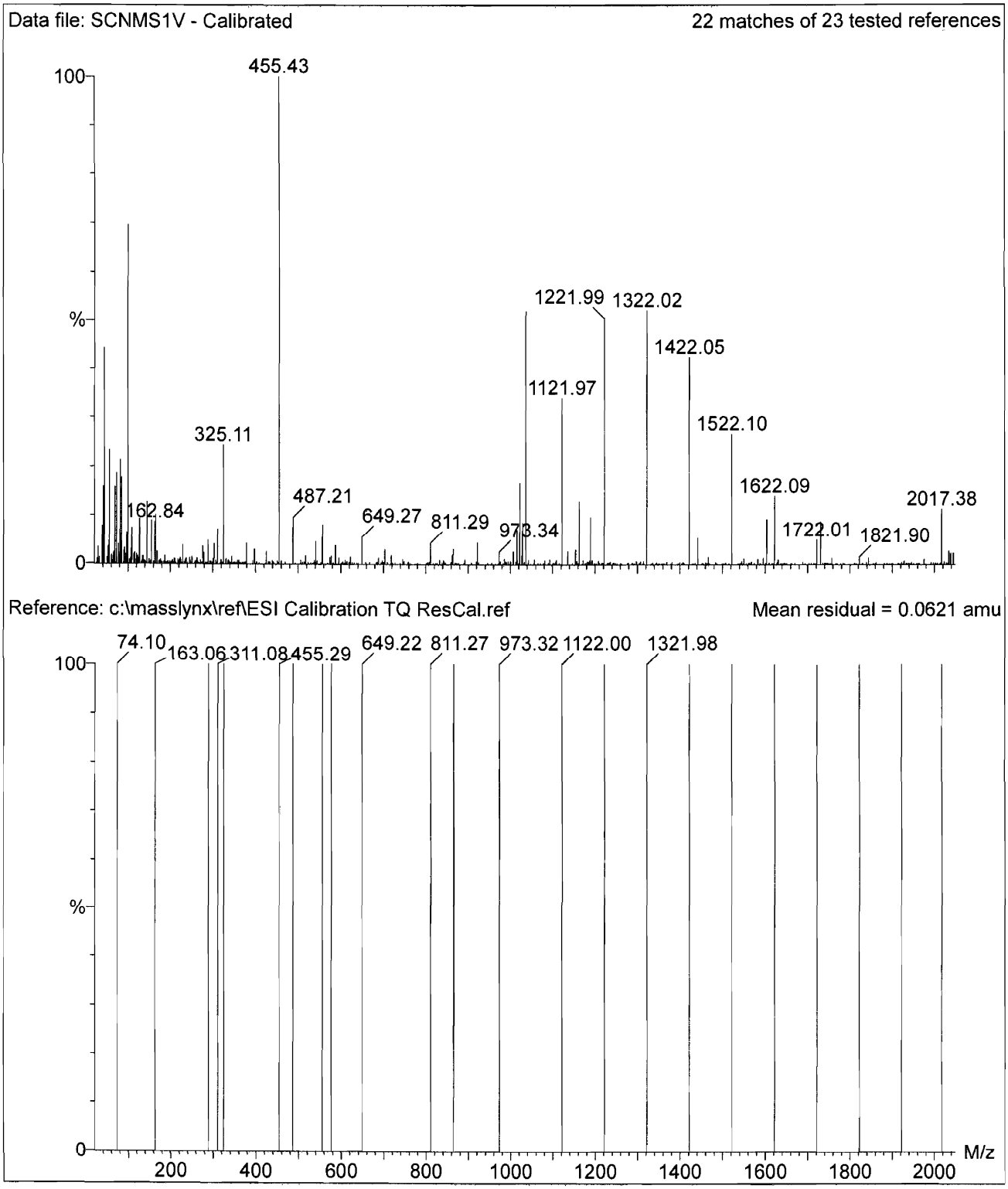
	#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
73	67	13C7-PFUdA	570.1 > 524.8	18718.240	18718.240	1.00	5.41	12.500	12.5	100.0	NO		

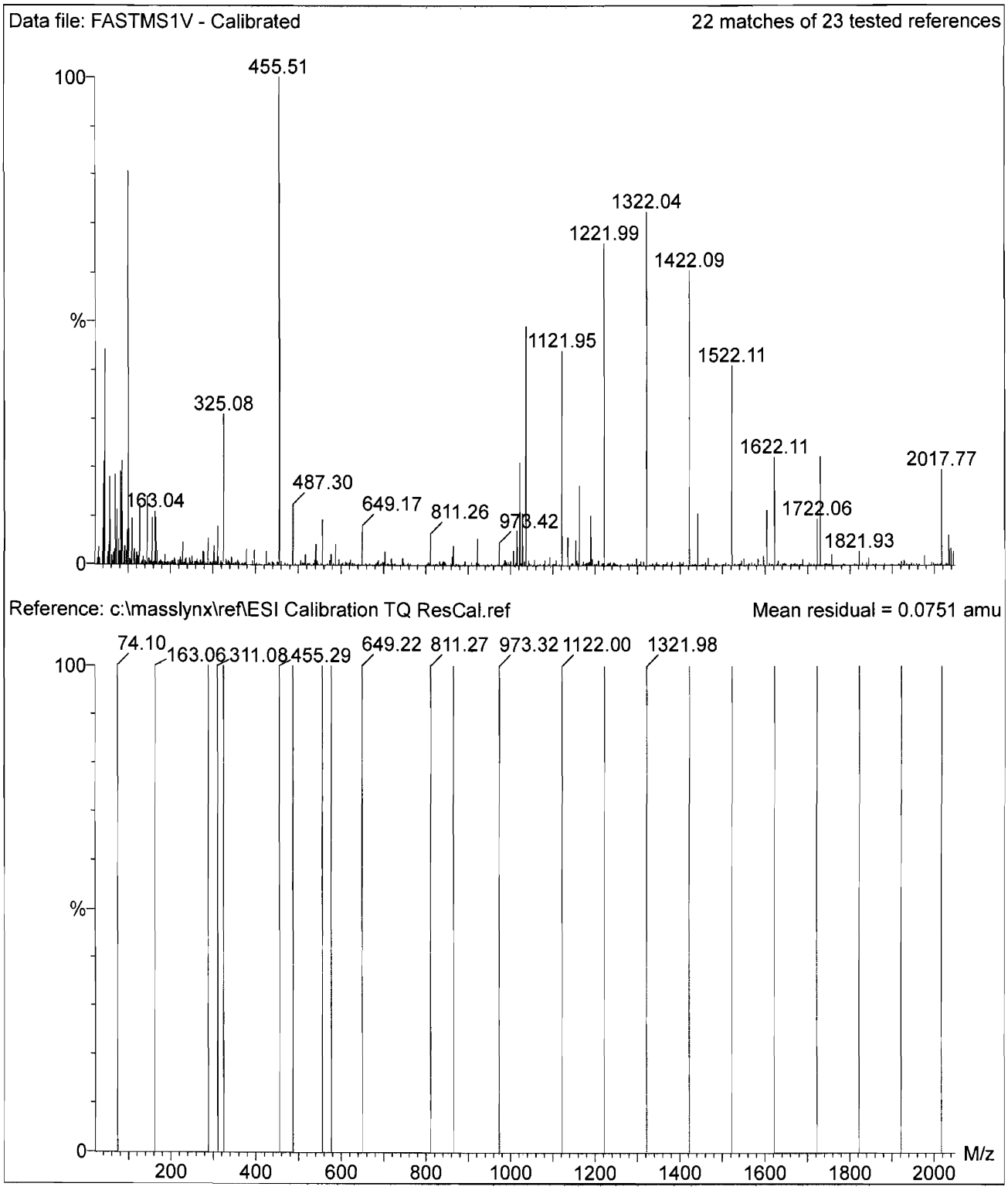
TUNE CHECK Q4 (M) 07-13-18

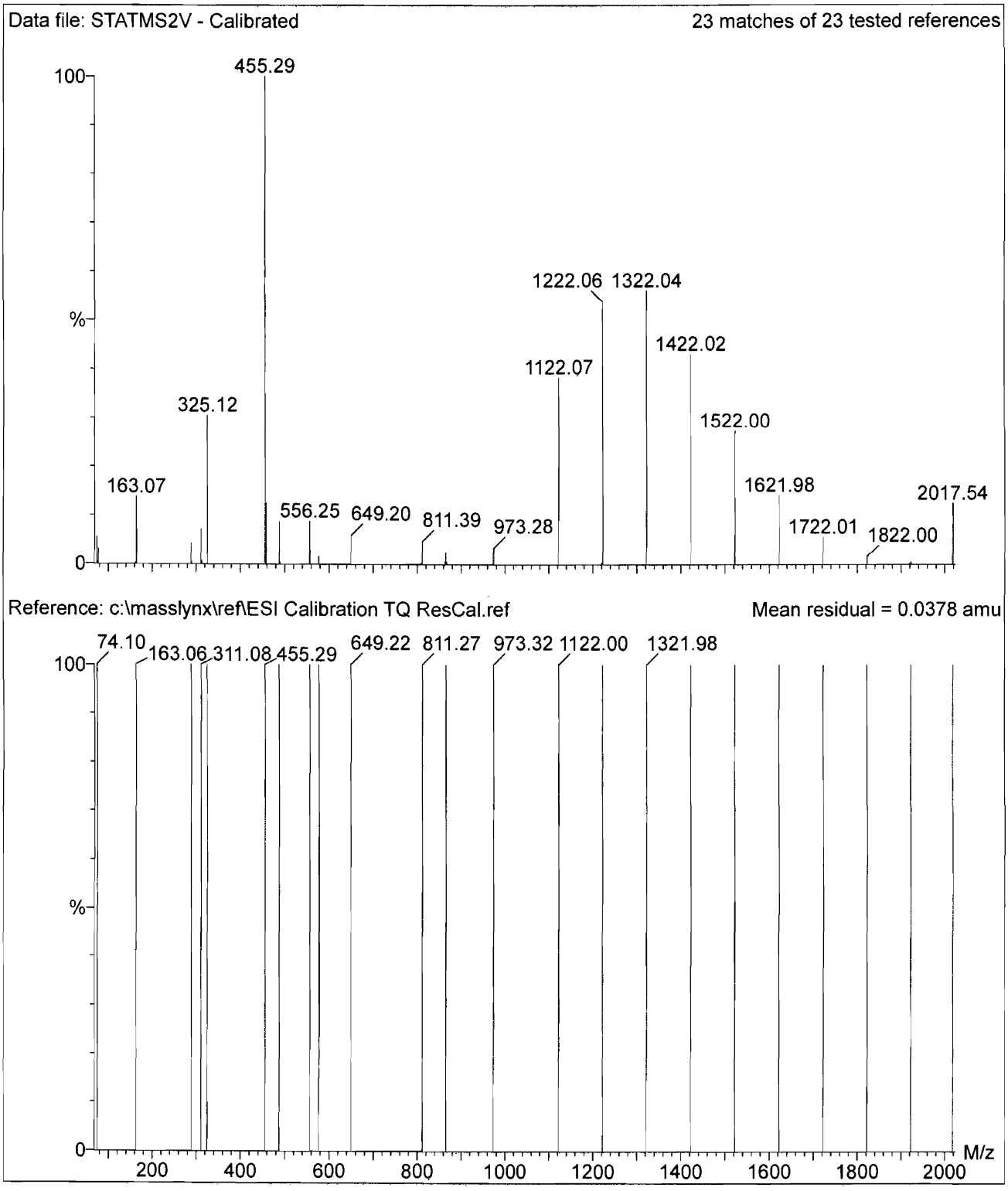
Calibration Verification Report - MS1 Static 20180711 **Page 1 of 6**

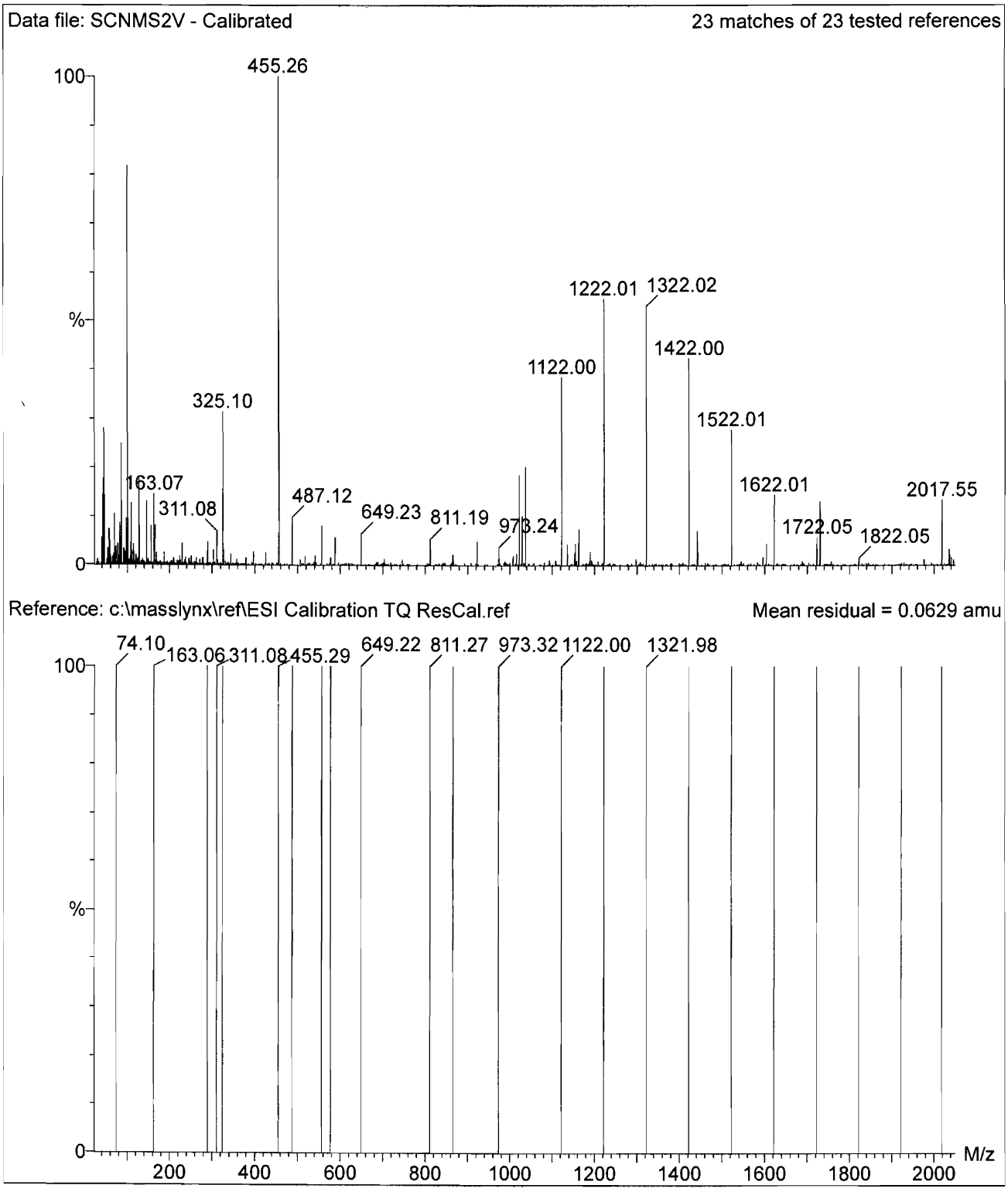
Printed: **Fri Jul 13 13:33:49 2018**

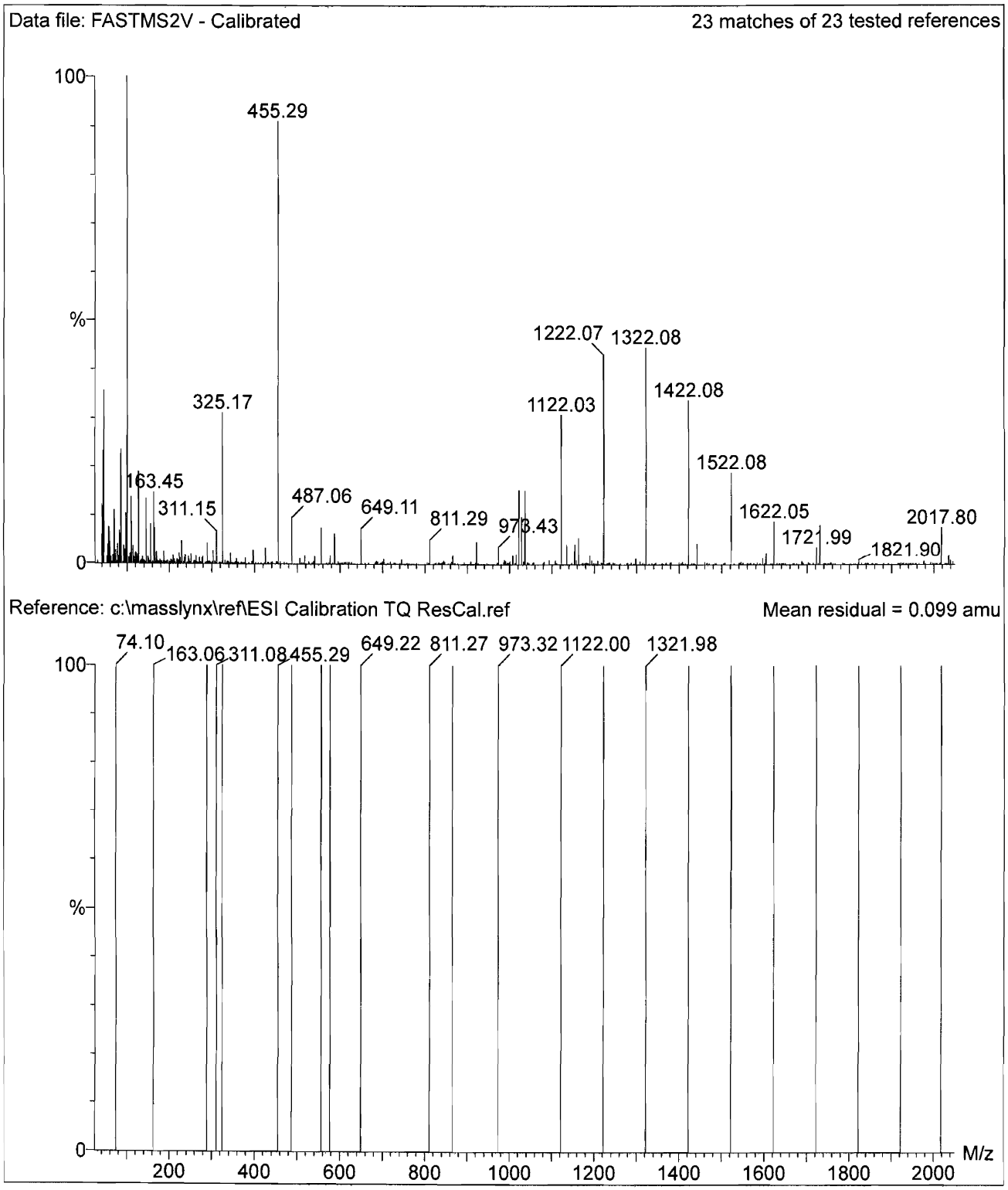



Data file: SCNMS1V - Calibrated
22 matches of 23 tested references
100
%
0
455.43
1221.99
1322.02
1422.05
1121.97
1522.10
325.11
1622.09
2017.38
487.21
649.27
811.29
973.34
1722.01
1821.90
162.84
Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref
Mean residual = 0.0621 amu
74.10
163.06
311.08
455.29
649.22
811.27
973.32
1122.00
1321.98
200
400
600
800
1000
1200
1400
1600
1800
2000
M/z


Data file: FASTMS1V - Calibrated
22 matches of 23 tested references
100
%
0
455.51
1322.04
1221.99
1422.09
1121.95
1522.11
325.08
1622.11
2017.77
487.30
163.04
649.17
811.26
973.42
1722.06
1821.93
Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref
Mean residual = 0.0751 amu
74.10
163.06
311.08
455.29
649.22
811.27
973.32
1122.00
1321.98
100
%
0
200
400
600
800
1000
1200
1400
1600
1800
2000
M/z


Data file: STATMS2V - Calibrated
23 matches of 23 tested references
100
%
0
455.29
1222.06
1322.04
1422.02
1122.07
325.12
1522.00
163.07
1621.98
2017.54
556.25
649.20
811.39
973.28
1722.01
1822.00
Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref
Mean residual = 0.0378 amu
74.10
163.06
311.08
455.29
649.22
811.27
973.32
1122.00
1321.98
100
%
0
200
400
600
800
1000
1200
1400
1600
1800
2000
M/z


Data file: SCNMS2V - Calibrated
23 matches of 23 tested references
100
%
0
455.26
1222.01
1322.02
1422.00
1122.00
325.10
1522.01
163.07
311.08
487.12
649.23
811.19
973.24
1622.01
2017.55
1722.05
1822.05
Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref
Mean residual = 0.0629 amu
74.10
163.06
311.08
455.29
649.22
811.27
973.32
1122.00
1321.98
100
%
0
200
400
600
800
1000
1200
1400
1600
1800
2000
M/z


Data file: FASTMS2V - Calibrated
23 matches of 23 tested references
100
%
0
455.29
325.17
1222.07
1322.08
1422.08
1122.03
1522.08
163.45
311.15
487.06
649.11
811.29
973.43
1622.05
2017.80
1721.99
1821.90
Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref
Mean residual = 0.099 amu
74.10
163.06
311.08
455.29
649.22
811.27
973.32
1122.00
1321.98
200
400
600
800
1000
1200
1400
1600
1800
2000
M/z

Calverton
SDG 1801486

Sample Identification SA-SW301-20180626

SAMPLE CALCULATION

Compound PERFLUORODECANOIC ACID (PFDA)

Sample volume (L)	0.252	
Internal standard concentration	12.5	
Concentration using quadratic/calibration curve		
Area*(IS concentration/IS area)	9.830447	
5450*(12.5/6930)		
Curve		
Calibration curve (y)=-0.00016162*x^2+1.28819*x+0.00361251		pg 278 of data package
-0.00016162*x^2+1.28819*x+0.00361251=9.830447		
-0.00016162*x^2+1.28819*x-9.82683449=0		
a= 0.00016162		
b= 1.28819		
c= -9.82683449		
D=1.28819^2-4*-(-0.00016162*-9.82683449	1.665786	
SQRT D	1.29065345	
x=-(1.28819+1.29065345)/(2*-(-0.00016162)	7.6211175	
PFDA result Conc = x/wt	30.24253	ng/L
result reported	30.2	ng/L

MS/MSD %R

SA-SW201-20180626

PFOS MS %R	Spike amount	MS concentration	Sample Result
82.31	40.3	36.4	3.23

PFDA MSD %R	Spike amount	MSD concentration	Sample Result
95.72	40.4	41.9	3.23

MS/MSD RPD 15.07

OPR %R

B8G0006-BS1

PFDA	Spike amount	LCS concentration
81.00	40	32.4

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld initial calibration

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:03:11 Pacific Daylight Time

Compound name: PFDA
Coefficient of Determination: R^2 = 0.999285
Calibration curve: -0.00016162 * x^2 + 1.28819 * x + 0.00361251
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	180713M2_2	Standard	0.250	5.09	334.382	10953.468	0.382	0.3	17.4	NO	0.999	NO	MM
2	2	180713M2_3	Standard	0.500	5.08	546.437	11445.301	0.597	0.5	-7.9	NO	0.999	NO	MM
3	3	180713M2_4	Standard	1.000	5.08	1146.678	11668.952	1.228	1.0	-4.9	NO	0.999	NO	MM
4	4	180713M2_5	Standard	2.000	5.08	2635.749	12108.976	2.721	2.1	5.5	NO	0.999	NO	bb
5	5	180713M2_6	Standard	5.000	5.08	5211.545	10323.984	6.310	4.9	-2.0	NO	0.999	NO	bb
6	6	180713M2_7	Standard	10.000	5.08	11569.801	11708.584	12.352	9.6	-4.0	NO	0.999	NO	bb
7	7	180713M2_8	Standard	50.000	5.08	55113.559	11192.241	61.553	48.1	-3.9	NO	0.999	NO	bb
8	8	180713M2_9	Standard	100.000	5.08	116050.930	11782.880	123.114	96.7	-3.3	NO	0.999	NO	bb
9	9	180713M2_10	Standard	250.000	5.08	284440.500	10973.018	324.023	260.0	4.0	NO	0.999	NO	bb
10	10	180713M2_11	Standard	500.000	5.09	459940.219	9602.422	598.729	495.6	-0.9	NO	0.999	NO	bb

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.997393
Calibration curve: -0.00656968 * x^2 + 1.5864 * x + -0.215909
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	180713M2_2	Standard	0.250	5.06	22.587	1907.386	0.148	0.2	-8.1	NO	0.997	NO	MM
2	2	180713M2_3	Standard	0.500	5.05	80.854	1763.837	0.573	0.5	-0.3	NO	0.997	NO	bb
3	3	180713M2_4	Standard	1.000	5.06	181.276	1780.577	1.273	0.9	-5.8	NO	0.997	NO	bb
4	4	180713M2_5	Standard	2.000	5.06	505.253	1755.932	3.597	2.4	21.4	NO	0.997	NO	bb
5	5	180713M2_6	Standard	5.000	5.05	1147.260	2033.900	7.051	4.7	-6.6	NO	0.997	NO	bb
6	6	180713M2_7	Standard	10.000	5.05	2126.688	1782.862	14.911	9.9	-0.6	NO	0.997	NO	bb
7	7	180713M2_8	Standard	50.000	5.06	9732.908	1939.709	62.721	50.0	0.1	NO	0.997	NO	bb
8	8	180713M2_9	Standard	100.000	5.05	23178.100	3216.831	90.066	91.8	-8.2	NO	0.997	NO	bbX
9	9	180713M2_10	Standard	250.000	5.06	51137.152	3627.645	176.206			NO	0.997	NO	bbXI
10	10	180713M2_11	Standard	500.000	5.06	85011.297	5059.648	210.023			NO	0.997	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180713M2\180713M2-CRV.qld

Initial Calibration

Last Altered: Saturday, July 14, 2018 11:01:02 Pacific Daylight Time
Printed: Saturday, July 14, 2018 11:03:22 Pacific Daylight Time

Compound name: 13C8-PFOS
Response Factor: 1.10915
RRF SD: 0.0757242, Relative SD: 6.82722
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	180713M2_2	Standard	12.500	4.80	2711.711	2484.167	13.645	12.3	-1.6	NO		NO	bb
2	2	180713M2_3	Standard	12.500	4.79	2613.904	2602.025	12.557	11.3	-9.4	NO		NO	bb
3	3	180713M2_4	Standard	12.500	4.79	2832.045	2320.203	15.258	13.8	10.0	NO		NO	bb
4	4	180713M2_5	Standard	12.500	4.79	3069.275	2709.280	14.161	12.8	2.1	NO		NO	bb
5	5	180713M2_6	Standard	12.500	4.79	2701.124	2636.547	12.806	11.5	-7.6	NO		NO	bb
6	6	180713M2_7	Standard	12.500	4.79	2659.894	2447.411	13.585	12.2	-2.0	NO		NO	bb
7	7	180713M2_8	Standard	12.500	4.79	2870.707	2548.391	14.081	12.7	1.6	NO		NO	bb
8	8	180713M2_9	Standard	12.500	4.79	3163.843	2914.888	13.568	12.2	-2.1	NO		NO	bb
9	9	180713M2_10	Standard	12.500	4.79	2920.754	2350.833	15.530	14.0	12.0	NO		NO	bb
10	10	180713M2_11	Standard	12.500	4.79	2283.505	2121.740	13.453	12.1	-3.0	NO		NO	bb

Compound name: 13C2-PFDA
Response Factor: 1.00692
RRF SD: 0.0491458, Relative SD: 4.8808
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	180713M2_2	Standard	12.500	5.09	10953.468	11006.571	12.440	12.4	-1.2	NO		NO	bb
2	2	180713M2_3	Standard	12.500	5.08	11445.301	11087.531	12.903	12.8	2.5	NO		NO	bb
3	3	180713M2_4	Standard	12.500	5.08	11668.952	11096.681	13.145	13.1	4.4	NO		NO	bb
4	4	180713M2_5	Standard	12.500	5.08	12108.976	12458.268	12.150	12.1	-3.5	NO		NO	bb
5	5	180713M2_6	Standard	12.500	5.08	10323.984	11362.268	11.358	11.3	-9.8	NO		NO	bb
6	6	180713M2_7	Standard	12.500	5.08	11708.584	11192.125	13.077	13.0	3.9	NO		NO	bb
7	7	180713M2_8	Standard	12.500	5.08	11192.241	10388.725	13.467	13.4	7.0	NO		NO	bb
8	8	180713M2_9	Standard	12.500	5.08	11782.880	11815.017	12.466	12.4	-1.0	NO		NO	bb
9	9	180713M2_10	Standard	12.500	5.08	10973.018	11310.272	12.127	12.0	-3.6	NO		NO	bb
10	10	180713M2_11	Standard	12.500	5.09	9602.422	9426.520	12.733	12.6	1.2	NO		NO	bb

Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-69.qld

MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:27:07 Pacific Daylight Time
Printed: Thursday, July 19, 2018 15:27:29 Pacific Daylight Time

Name: 180713M2_69, Date: 14-Jul-2018, Time: 04:13:39, ID: 1801486-09 SA-SW301-20180626 0.25221, Description: SA-SW301-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 16...	4.02e2	5.76e3	0.252	0.000	1.33	0.871	3.1245			
2	2	PFPeA	263.1 > 21...	2.46e2	7.11e3	0.252	0.000	2.32	0.432	1.7442			
3	3	PFBS	299.0 > 79.7		9.13e2	0.252							
4	5	PFHxA	313.2 > 26...	3.01e2	2.07e3	0.252	0.000	3.12	0.727	1.7084		47.3	YES
5	7	PFHpA	363.0 > 31...	3.70e2	5.71e3	0.252	0.000	3.74	0.809	2.8111		23.7	YES
6	36	13C3-PFBA	216.1 > 17...	5.76e3	6.63e3	0.252	0.869	1.32	10.9	47.0147	94.9		
7	37	13C3-PFPeA	266. > 221.8	7.11e3	7.64e3	0.252	0.931	2.32	11.6	46.6678	94.2		
8	38	13C3-PFBS	302. > 98.8	9.13e2	7.64e3	0.252	0.120	2.62	1.49	49.4058	99.7		
9	40	13C2-PFHxA	315 > 269.8	2.07e3	7.64e3	0.252	0.677	3.12	3.39	18.0020	90.8		
10	41	13C4-PFHpA	367.2 > 32...	5.71e3	7.64e3	0.252	0.748	3.73	9.35	45.7232	92.3		
11	-1												
12	8	L-PFHxS	398.9 > 79.6	4.79e0	7.90e2	0.252	0.000	3.90	0.0759	0.3968		0.493	YES
13	68	Total PFHxS	398.9 > 79.6	4.79e0	7.90e2	0.252			0.0759	0.3968			
14	10	6:2 FTS	427.1 > 407		1.63e3	0.252							
15	11	L-PFOA	413 > 368.7	8.78e2	7.15e3	0.252	0.000	4.26	1.54	5.8333		3.51	NO
16	69	Total PFOA	413 > 368.7	8.78e2	7.15e3	0.252			1.54	5.8333			
17	42	18O2-PFHxS	403.0 > 10...	7.90e2	1.79e3	0.252	0.442	3.89	5.52	53.5449	108.0		
18	42	18O2-PFHxS	403.0 > 10...	7.90e2	1.79e3	0.252	0.442	3.89	5.52	53.5449	108.0		
19	43	13C2-6:2 FTS	429.1 > 40...	1.63e3	8.62e3	0.252	0.189	4.20	2.37	44.1364	89.1		
20	44	13C2-PFOA	414.9 > 36...	7.15e3	8.62e3	0.252	0.829	4.26	10.4	43.4502	87.7		
21	44	13C2-PFOA	414.9 > 36...	7.15e3	8.62e3	0.252	0.829	4.26	10.4	43.4502	87.7		
22	-1												
23	13	PFHpS	449 > 80.0	6.98e0	2.17e3	0.252	0.000	4.38	0.0403	0.1075		0.650	YES
24	14	PFNA	463.0 > 41...	8.73e3	7.04e3	0.252	0.000	4.70	15.5	53.1978		4.52	NO
25	15	PFOSA	498.2 > 77.9		2.92e3	0.252							
26	16	L-PFOS	499.1 > 79.9	1.59e2	2.17e3	0.252	0.000	4.78	0.914	3.5621		1.66	YES
27	70	Total PFOS	499.1 > 79.9	1.59e2	2.17e3	0.252			0.914	3.5621			
28	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.15e3	0.252	1.01	4.78	12.6	45.0433	90.9		
29	45	13C5-PFNA	468.2 > 42...	7.04e3	8.93e3	0.252	0.788	4.70	9.85	39.8889	80.5		
30	46	13C8-PFOSA	506.1 > 77.7	2.92e3	1.20e4	0.252	0.244	4.75	3.05	39.8983	80.5		
31	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.15e3	0.252	1.01	4.78	12.6	45.0433	90.9		
32	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.15e3	0.252	1.01	4.78	12.6	45.0433	90.9		
33	-1												
34	18	PFDA	513 > 468.8	5.45e3	6.93e3	0.252	0.000	5.07	9.82	30.2379		6.01	NO
35	19	8:2 FTS	527 > 506.9		1.22e3	0.252							
36	21	L-MeFOSAA	570.1 > 419		2.56e3	0.252							
37	71	Total N-MeFOSAA	570.1 > 419	0.00e0	2.56e3	0.252			0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180713M2\180713M2-69.qld

MMM 7/20/2018

Last Altered: Thursday, July 19, 2018 15:27:07 Pacific Daylight Time
Printed: Thursday, July 19, 2018 15:27:29 Pacific Daylight Time

Name: 180713M2_69, Date: 14-Jul-2018, Time: 04:13:39, ID: 1801486-09 SA-SW301-20180626 0.25221, Description: SA-SW301-20180626

	#	Name	Trace	Area	IS Area	Wt/Vol	RRF	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
38	25	PFUdA	563.0 > 51...	1.21e4	8.84e3	0.252	0.000	5.39	17.0	63.2860		12.5	NO
39	48	13C2-PFDA	515.1 > 46...	6.93e3	8.33e3	0.252	0.832	5.07	10.4	40.9479	82.6		
40	49	13C2-8:2 FTS	529.1 > 50...	1.22e3	7.64e3	0.252	0.160	5.04	2.00	40.5981	81.9		
41	50	d3-N-MeFOSAA	573.3 > 419	2.56e3	1.20e4	0.252	0.214	5.22	2.68	41.0668	82.9		
42	50	d3-N-MeFOSAA	573.3 > 419	2.56e3	1.20e4	0.252	0.214	5.22	2.68	41.0668	82.9		
43	52	13C2-PFUdA	565 > 519.8	8.84e3	1.20e4	0.252	0.740	5.39	9.25	40.5032	81.7		
44	-1												
45	23	L-EtFOSAA	584.2 > 419		3.17e3	0.252							
46	72	Total N-EtFOSAA	584.2 > 419	0.00e0	3.17e3	0.252			0.000				
47	26	PFDS	598.8 > 80	4.45e-1	8.84e3	0.252	0.000	5.68	0.000629	0.1053		0.0573	YES
48	27	PFDoA	612.9 > 56...	6.23e2	9.83e3	0.252	0.000	5.67	0.792	2.6167		10.8	NO
49	29	PFTrDA	662.9 > 61...	1.11e3	9.83e3	0.252	0.000	5.92	1.41	4.2044		19.3	NO
50	51	d5-N-EtFOSAA	589.3 > 419	3.17e3	1.20e4	0.252	0.265	5.38	3.31	46.9538	94.7		
51	51	d5-N-EtFOSAA	589.3 > 419	3.17e3	1.20e4	0.252	0.265	5.38	3.31	46.9538	94.7		
52	52	13C2-PFUdA	565 > 519.8	8.84e3	1.20e4	0.252	0.740	5.39	9.25	40.5032	81.7		
53	53	13C2-PFDoA	615.0 > 56...	9.83e3	8.33e3	0.252	1.18	5.68	14.7	46.3171	93.5		
54	53	13C2-PFDoA	615.0 > 56...	9.83e3	8.33e3	0.252	1.18	5.68	14.7	46.3171	93.5		
55	-1												
56	30	PFTeDA	712.9 > 66...	8.02e1	5.58e3	0.252	0.000	6.13	0.180	0.3356		12.5	NO
57	73	TCDA	498.3>106.9			0.252							
58	60	13C4-PFBA	217. > 171.8	6.63e3	6.63e3	0.252	1.00	1.32	12.5	49.5619	100.0		
59	61	13C5-PFHxA	318 > 272.9	7.64e3	7.64e3	0.252	1.00	3.12	12.5	49.5619	100.0		
60	62	13C3-PFHxS	401.9 > 79.9	1.79e3	1.79e3	0.252	1.00	3.89	12.5	49.5619	100.0		
61	55	13C2-PFTeDA	714.8 > 66...	5.58e3	1.20e4	0.252	0.467	6.13	5.84	40.2917	81.3		
62	47	13C8-PFOS	507.0 > 79.9	2.17e3	2.15e3	0.252	1.01	4.78	12.6	45.0433	90.9		
63	63	13C8-PFOA	421.3 > 376	8.62e3	8.62e3	0.252	1.00	4.26	12.5	49.5619	100.0		
64	64	13C9-PFNA	472.2 > 42...	8.93e3	8.93e3	0.252	1.00	4.70	12.5	49.5619	100.0		
65	65	13C4-PFOS	503 > 79.9	2.15e3	2.15e3	0.252	1.00	4.78	12.5	49.5619	100.0		
66	-1												
67	66	13C6-PFDA	519.1 > 47...	8.33e3	8.33e3	0.252	1.00	5.07	12.5	49.5619	100.0		
68	67	13C7-PFUdA	570.1 > 52...	1.20e4	1.20e4	0.252	1.00	5.39	12.5	49.5619	100.0		

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DODCMD_ID	INSTALLATION_ID	SDG	SITE_NAME	NORM_SITE_NAME	LOCATION_NAME	LOCATION_TYPE_DESC	COORD_X	COORD_Y	CONTRACT_ID	DO_CTO_NUMBER	CONTR_NAME	SAMPLE_NAME	SAMPLE_MATRIX_DESC	SAMPLE_TYPE_DESC	COLLECT_DATE	ANALYTICAL_METHOD	ANALYTICAL_METHOD_GRP_DESC
MID_ATLANTIC	CALVERTON_NWIRP	1801486							N6247016D9008	WE05	TETRA TECH, INC.	SA-SW201-FRB-20180626	Water for QC samples	Field Reagent Blank	26-Jun-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	CALVERTON_NWIRP	1801486	SITE 00006	SITE 00006	SASW201	Surface water body - nonspecific	1323256	269787	N6247016D9008	WE05	TETRA TECH, INC.	SA-SW201-20180626	Ground water	Normal (Regular)	26-Jun-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	CALVERTON_NWIRP	1801486	SITE 00002	SITE 00002	SWDP02	Surface water body - nonspecific	1316977.193	263616.813	N6247016D9008	WE05	TETRA TECH, INC.	SW-DP02-20180626	Ground water	Normal (Regular)	26-Jun-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	CALVERTON_NWIRP	1801486	SITE 00002	SITE 00002	FTSW13	Surface water body - nonspecific	1318834.92	269512.2333	N6247016D9008	WE05	TETRA TECH, INC.	FT-SW13-20180626	Ground water	Normal (Regular)	26-Jun-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	CALVERTON_NWIRP	1801486	SITE 00006	SITE 00006	SATW301	Temporary well point	1319097	272344	N6247016D9008	WE05	TETRA TECH, INC.	SA-SW301-20180626	Ground water	Normal (Regular)	26-Jun-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	CALVERTON_NWIRP	1801486							N6247016D9008	WE05	TETRA TECH, INC.	CA-AQIDW01-20180626	IDW Water	Purge and rinseate water	26-Jun-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	CALVERTON_NWIRP	1801486	SITE 00006	SITE 00006	SASW204	Surface water body - nonspecific	1325699	270897	N6247016D9008	WE05	TETRA TECH, INC.	SA-SW204-20180626	Ground water	Normal (Regular)	26-Jun-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	CALVERTON_NWIRP	1801486	SITE 00002	SITE 00002	FTSW10	Surface water body - nonspecific	1317262.039	271796.979	N6247016D9008	WE05	TETRA TECH, INC.	FT-SW10-20180626	Ground water	Normal (Regular)	26-Jun-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	CALVERTON_NWIRP	1801486	SITE 00006	SITE 00006	SATW301	Temporary well point	1319097	272344	N6247016D9008	WE05	TETRA TECH, INC.	SA-SW301-20180626-D	Ground water	Field duplicate	26-Jun-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	CALVERTON_NWIRP	1801486	SITE 00002	SITE 00002	SWDP01	Surface water body - nonspecific	1320025.353	265160.619	N6247016D9008	WE05	TETRA TECH, INC.	SW-DP01-20180626	Ground water	Normal (Regular)	26-Jun-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	CALVERTON_NWIRP	1801486	SITE 00002	SITE 00002	FTSW12	Surface water body - nonspecific	1317655.259	269410.5383	N6247016D9008	WE05	TETRA TECH, INC.	FT-SW12-20180626	Ground water	Normal (Regular)	26-Jun-18	537	Perfluoroalkyl Compounds