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NAVFAC
Naval Facilities Engineering Command

Off-Base Drinking Water Sample Results, Level 2 Laboratory Report, Level 4 Laboratory Report, Electronic Data Deliverable, Data Validation Report, and the Sample Location Figure, SDG 1800308

Naval Air Station Oceana
Virginia Beach, Virginia

July 2019

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED

March 12, 2018

Vista Work Order No. 1800308

Ms. Tiffany Hill
CH2M Hill
1100 NE Circle Blvd. Suite 300
Corvallis, OR 97330

Dear Ms. Hill,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 14, 2018. This sample set was analyzed on a rush turn-around time, under your Project Name 'CTO-WE01, Fentress PFAS Res. DW Investigation'.

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

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

Sincerely,

Martha Maier
Laboratory Director

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

Vista Work Order No. 1800308
Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

Modified EPA Method 537

The samples were extracted and analyzed for a selected list of PFAS using Modified EPA Method 537.

Holding Times

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

Quality Control

The Initial Calibration met the method acceptance criteria. The recoveries of EtFOSAA, PFDoA, PFTrDA and/or PFTeDA were >130% in one or more Continuing Calibration Verifications. These analytes were not detected in the samples. The acceptance criteria were met for all other analytes.

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.

The extracts of samples "OF-FB54-0218", "OF-RW24-0218". "OF-FB24-0218" and "OF-RW46-0218" were re-injected because one or more Injection Internal Standard Analyte response areas were outside of criteria. The area criteria passed for the second injections and the results from the re-injections have been reported.

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

As requested, an MS/MSD was performed on sample "OF-RW56-0218". The MS/MSD recoveries and/or RPDs were out of the acceptance criteria for MeFOSAA, PFTrDA and PFTeDA.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1800308-05	OF-FB56-0218	Modified EPA Method 537	13C2-PFDoA	H	49.2
1800308-06	OF-RW53-0218	Modified EPA Method 537	13C2-PFTeDA	H	48.0
1800308-11	OF-FB54-0218	Modified EPA Method 537	13C2-PFUnA	H	47.0
1800308-11	OF-FB54-0218	Modified EPA Method 537	13C2-PFDoA	H	49.8
1800308-12	OF-RW69-0218	Modified EPA Method 537	13C2-PFTeDA	H	47.9
1800308-15	OF-FB30-0218	Modified EPA Method 537	13C2-PFTeDA	H	44.5

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID		Sampled	Received	Components/Containers
1800308-01	OF-RW55-0218		12-Feb-18 09:39	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-02	OF-RW55P-0218		12-Feb-18 09:40	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-03	OF-FB55-0218		12-Feb-18 09:41	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-04	OF-RW56-0218	MS/MSD	12-Feb-18 09:58	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-05	OF-FB56-0218		12-Feb-18 10:00	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-06	OF-RW53-0218		12-Feb-18 10:18	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-07	OF-FB53-0218		12-Feb-18 10:19	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-08	OF-RW68-0218		12-Feb-18 10:38	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-09	OF-FB68-0218		12-Feb-18 10:39	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-10	OF-RW54-0218		12-Feb-18 10:55	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-11	OF-FB54-0218		12-Feb-18 10:56	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-12	OF-RW69-0218		12-Feb-18 13:08	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-13	OF-FB69-0218		12-Feb-18 13:09	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-14	OF-RW30-0218		12-Feb-18 13:30	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-15	OF-FB30-0218		12-Feb-18 13:31	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-16	OF-RW24-0218		13-Feb-18 09:00	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-17	OF-FB24-0218		13-Feb-18 09:01	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-18	OF-RW46-0218		13-Feb-18 10:02	14-Feb-18 10:10	HDPE Bottle, 125 mL

Vista Project: 1800308

Client Project: CTO-WE01, Fentress PFAS Res. DW Investigation

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1800308-18	OF-RW46-0218	13-Feb-18 10:02	14-Feb-18 10:10	HDPE Bottle, 125 mL
1800308-19	OF-FB46-0218	13-Feb-18 10:03	14-Feb-18 10:10	HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL

Vista Project: 1800308

Client Project: CTO-WE01, Fentress PFAS Res. DW Investigation

ANALYTICAL RESULTS

Sample ID: Method Blank

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Aqueous

Laboratory Data

Lab Sample: B8B0111-BLK1
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.79	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFHxA	ND	2.18	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFHpA	ND	0.591	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFHxS	ND	0.947	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFOA	1.32	0.651	5.00	8.00	J	B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFOS	ND	0.807	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFNA	ND	0.810	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFDA	ND	1.49	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
MeFOSAA	ND	1.65	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFUnA	ND	1.05	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
EtFOSAA	ND	1.37	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFDoA	ND	0.792	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFTrDA	ND	0.494	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFTeDA	ND	0.755	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	120	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFHxA	IS	96.5	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C4-PFHpA	IS	106	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
18O2-PFHxS	IS	83.7	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFOA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C8-PFOS	IS	85.5	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C5-PFNA	IS	85.5	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFDA	IS	80.4	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
d3-MeFOSAA	IS	66.7	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFUnA	IS	73.0	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
d5-EtFOSAA	IS	83.7	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFDoA	IS	74.4	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFTeDA	IS	79.5	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OPR **Modified EPA Method 537**

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Aqueous

Laboratory Data

Lab Sample: B8B0111-BS1
Column: BEH C18

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	76.7	80.0	95.9	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFHxA	88.3	80.0	110	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFHpA	85.0	80.0	106	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFHxS	86.3	80.0	108	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFOA	75.1	80.0	93.9	70-130	B	B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFOS	89.8	80.0	112	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFNA	81.7	80.0	102	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFDA	89.2	80.0	112	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
MeFOSAA	97.9	80.0	122	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFUnA	89.3	80.0	112	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
EtFOSAA	77.8	80.0	97.2	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFDoA	77.9	80.0	97.4	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFTrDA	91.1	80.0	114	60-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFTeDA	99.3	80.0	124	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFHxA	IS	88.6	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C4-PFHpA	IS	91.0	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
18O2-PFHxS	IS	91.3	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFOA	IS	88.9	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C8-PFOS	IS	76.3	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C5-PFNA	IS	78.3	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFDA	IS	71.6	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
d3-MeFOSAA	IS	60.5	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFUnA	IS	52.6	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
d5-EtFOSAA	IS	75.0	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFDoA	IS	57.8	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFTeDA	IS	60.7	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1

Vista Analytical Laboratory

Sample ID: OF-RW55-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:39

Laboratory Data

Lab Sample: 1800308-01
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.94	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFHxA	ND	2.37	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFHpA	ND	0.641	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFHxS	ND	1.03	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFOA	0.990	0.706	5.43	8.68	J, B	B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFOS	ND	0.876	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFNA	ND	0.879	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFDA	ND	1.62	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
MeFOSAA	ND	1.79	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFUnA	ND	1.14	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
EtFOSAA	ND	1.49	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFDoA	ND	0.859	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFTrDA	ND	0.536	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFTeDA	ND	0.819	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	92.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFHxA	IS	79.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C4-PFHpA	IS	80.1	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
18O2-PFHxS	IS	96.4	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFOA	IS	94.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C8-PFOS	IS	77.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C5-PFNA	IS	68.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFDA	IS	93.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
d3-MeFOSAA	IS	101	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFUnA	IS	77.9	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
d5-EtFOSAA	IS	106	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFDoA	IS	88.8	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFTeDA	IS	92.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW55P-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:40

Laboratory Data

Lab Sample: 1800308-02
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.93	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFHxA	ND	2.35	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFHpA	ND	0.638	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFHxS	ND	1.02	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFOA	1.01	0.702	5.39	8.63	J, B	B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFOS	ND	0.871	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFNA	ND	0.874	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFDA	ND	1.61	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
MeFOSAA	ND	1.78	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFUnA	ND	1.13	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
EtFOSAA	ND	1.48	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFDoA	ND	0.854	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFTrDA	ND	0.533	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFTeDA	ND	0.815	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	107	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFHxA	IS	89.4	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C4-PFHpA	IS	79.3	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
18O2-PFHxS	IS	83.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFOA	IS	88.0	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C8-PFOS	IS	83.1	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C5-PFNA	IS	73.4	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFDA	IS	72.0	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
d3-MeFOSAA	IS	94.6	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFUnA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
d5-EtFOSAA	IS	107	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFDoA	IS	80.3	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFTeDA	IS	96.7	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB55-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:41

Laboratory Data

Lab Sample: 1800308-03
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.98	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFHxA	ND	2.41	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFHpA	ND	0.654	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFHxS	ND	1.05	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFOA	1.18	0.721	5.53	8.86	J, B	B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFOS	ND	0.894	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFNA	ND	0.897	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFDA	ND	1.65	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
MeFOSAA	ND	1.83	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFUnA	ND	1.16	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
EtFOSAA	ND	1.52	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFDoA	ND	0.877	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFTrDA	ND	0.547	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFTeDA	ND	0.836	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	105	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFHxA	IS	81.1	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C4-PFHpA	IS	90.6	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
18O2-PFHxS	IS	92.8	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFOA	IS	79.7	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C8-PFOS	IS	87.7	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C5-PFNA	IS	82.9	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFDA	IS	70.2	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
d3-MeFOSAA	IS	81.7	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFUnA	IS	61.9	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
d5-EtFOSAA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFDoA	IS	80.9	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFTeDA	IS	70.1	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW56-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:58

Laboratory Data

Lab Sample: 1800308-04
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFHxA	ND	2.31	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFHpA	ND	0.625	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFHxS	ND	1.00	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFOA	1.41	0.689	5.30	8.46	J, B	B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFOS	ND	0.854	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFNA	ND	0.857	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFDA	ND	1.58	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
MeFOSAA	ND	1.75	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFUnA	ND	1.11	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
EtFOSAA	ND	1.45	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFDoA	ND	0.838	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFTrDA	ND	0.523	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFTeDA	ND	0.799	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFHxA	IS	93.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C4-PFHpA	IS	91.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
18O2-PFHxS	IS	94.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFOA	IS	84.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C8-PFOS	IS	92.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C5-PFNA	IS	85.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFDA	IS	73.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
d3-MeFOSAA	IS	73.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFUnA	IS	68.3	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
d5-EtFOSAA	IS	81.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFDoA	IS	59.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFTeDA	IS	58.5	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW56-0218 **Modified EPA Method 537**

Name:	CH2M Hill	Lab Sample:	B8B0111-MS1/B8B0111-MSD1	Source Lab Sample:	1800308-04
Project:	CTO-WE01, Fentress PFAS Res. DW Investigation	QC Batch:	B8B0111	Date Extracted:	21-Feb-18
Matrix:	Aqueous	Samp Size:	0.119/0.120 L	Column:	BEH C18

Analyte	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
PFBS	ND	88.2	83.9	105		93.9	83.5	112	6.45		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFHxA	ND	86.4	83.9	103		88.4	83.5	106	2.87		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFHpA	ND	84.9	83.9	101		80.8	83.5	96.8	4.25		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFHxS	ND	81.0	83.9	95.7		88.7	83.5	105	9.27		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFOA	1.41	83.3	83.9	97.6	B	102	83.5	121	21.4	B	70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFOS	ND	86.1	83.9	103		94.2	83.5	113	9.26		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFNA	ND	90.9	83.9	108		90.3	83.5	108	0		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFDA	ND	78.5	83.9	93.6		85.2	83.5	102	8.59		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
MeFOSAA	ND	69.2	83.9	82.5		99.2	83.5	119	36.2	H	70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFUnA	ND	90.6	83.9	108		83.7	83.5	100	7.69		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
EtFOSAA	ND	80.6	83.9	96.1		86.1	83.5	103	6.93		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFDoA	ND	80.7	83.9	96.2		72.6	83.5	86.9	10.2		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFTrDA	ND	91.7	83.9	109		114	83.5	136	22.0	H	60-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFTeDA	ND	119	83.9	142	H	95.3	83.5	114	21.9		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBS	IS	102		101		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFHxA	IS	87.6		90.4		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C4-PFHpA	IS	98.7		93.4		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
18O2-PFHxS	IS	91.9		101		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFOA	IS	85.0		89.2		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C8-PFOS	IS	87.8		83.7		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C5-PFNA	IS	74.9		69.3		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFDA	IS	77.6		81.1		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
d3-MeFOSAA	IS	102		96.2		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFUnA	IS	80.9		78.7		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
d5-EtFOSAA	IS	99.6		103		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFDoA	IS	84.1		84.9		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFTeDA	IS	68.4		98.1		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1

Sample ID: OF-FB56-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:00

Laboratory Data

Lab Sample: 1800308-05
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	2.03	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFHxA	ND	2.47	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFHpA	ND	0.669	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFHxS	ND	1.07	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFOA	0.898	0.737	5.68	9.05	J, B	B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFOS	ND	0.913	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFNA	ND	0.917	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFDA	ND	1.69	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
MeFOSAA	ND	1.87	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFUnA	ND	1.19	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
EtFOSAA	ND	1.55	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFDoA	ND	0.896	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFTrDA	ND	0.559	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFTeDA	ND	0.855	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFHxA	IS	86.8	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C4-PFHpA	IS	95.5	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
18O2-PFHxS	IS	104	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFOA	IS	92.9	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C8-PFOS	IS	71.3	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C5-PFNA	IS	75.8	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFDA	IS	61.2	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
d3-MeFOSAA	IS	68.6	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFUnA	IS	56.1	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
d5-EtFOSAA	IS	75.1	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFDoA	IS	49.2	50 - 150	H	B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFTeDA	IS	52.5	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW53-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:18

Laboratory Data

Lab Sample: 1800308-06
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.93	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFHxA	ND	2.35	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFHpA	ND	0.637	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFHxS	ND	1.02	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFOA	ND	0.702	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFOS	ND	0.870	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFNA	ND	0.873	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFDA	ND	1.61	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
MeFOSAA	ND	1.78	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFUnA	ND	1.13	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
EtFOSAA	ND	1.48	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFDoA	ND	0.854	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFTrDA	ND	0.533	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFTeDA	ND	0.814	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	109	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFHxA	IS	95.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C4-PFHpA	IS	94.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
18O2-PFHxS	IS	91.7	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFOA	IS	82.8	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C8-PFOS	IS	96.8	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C5-PFNA	IS	86.9	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFDA	IS	79.4	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
d3-MeFOSAA	IS	81.7	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFUnA	IS	66.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
d5-EtFOSAA	IS	93.3	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFDoA	IS	54.0	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFTeDA	IS	48.0	50 - 150	H	B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB53-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:19

Laboratory Data

Lab Sample: 1800308-07
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.88	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFHxA	ND	2.28	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFHpA	ND	0.619	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFHxS	ND	0.992	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFOA	ND	0.682	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFOS	ND	0.845	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFNA	ND	0.849	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFDA	ND	1.56	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
MeFOSAA	ND	1.73	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFUnA	ND	1.10	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
EtFOSAA	ND	1.44	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFDoA	ND	0.830	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFTrDA	ND	0.518	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFTeDA	ND	0.791	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFHxA	IS	94.6	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C4-PFHpA	IS	107	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
18O2-PFHxS	IS	96.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFOA	IS	74.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C8-PFOS	IS	91.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C5-PFNA	IS	79.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFDA	IS	70.5	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
d3-MeFOSAA	IS	74.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFUnA	IS	66.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
d5-EtFOSAA	IS	82.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFDoA	IS	54.7	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFTeDA	IS	51.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW68-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:38

Laboratory Data

Lab Sample: 1800308-08
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.88	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFHxA	ND	2.29	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFHpA	ND	0.620	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFHxS	ND	0.993	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFOA	1.40	0.683	5.25	8.39	J, B	B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFOS	ND	0.846	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFNA	ND	0.849	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFDA	ND	1.56	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
MeFOSAA	ND	1.73	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFUnA	ND	1.10	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
EtFOSAA	ND	1.44	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFDoA	ND	0.831	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFTrDA	ND	0.518	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFTeDA	ND	0.792	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFHxA	IS	94.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C4-PFHpA	IS	93.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
18O2-PFHxS	IS	92.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFOA	IS	77.7	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C8-PFOS	IS	86.1	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C5-PFNA	IS	84.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFDA	IS	75.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
d3-MeFOSAA	IS	86.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFUnA	IS	79.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
d5-EtFOSAA	IS	90.1	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFDoA	IS	71.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFTeDA	IS	54.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB68-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:39

Laboratory Data

Lab Sample: 1800308-09
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFHxA	ND	2.30	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFHpA	ND	0.624	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFHxS	1.13	1.00	5.30	8.44	J	B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFOA	1.12	0.687	5.30	8.44	J, B	B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFOS	ND	0.852	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFNA	ND	0.855	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFDA	ND	1.57	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
MeFOSAA	ND	1.74	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFUnA	ND	1.11	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
EtFOSAA	ND	1.45	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFDoA	ND	0.836	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFTrDA	ND	0.521	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFTeDA	ND	0.797	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	112	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFHxA	IS	92.0	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C4-PFHpA	IS	88.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
18O2-PFHxS	IS	91.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFOA	IS	89.3	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C8-PFOS	IS	88.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C5-PFNA	IS	74.5	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFDA	IS	71.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
d3-MeFOSAA	IS	85.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFUnA	IS	68.6	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
d5-EtFOSAA	IS	91.9	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFDoA	IS	50.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFTeDA	IS	56.4	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW54-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:55

Laboratory Data

Lab Sample: 1800308-10
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	3.17	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFHxA	ND	3.86	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFHpA	ND	1.05	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFHxS	ND	1.68	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFOA	1.44	1.15	8.87	14.2	J, B	B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFOS	ND	1.43	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFNA	ND	1.44	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFDA	ND	2.64	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
MeFOSAA	ND	2.92	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFUnA	ND	1.86	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
EtFOSAA	ND	2.43	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFDoA	ND	1.40	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFTrDA	ND	0.875	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFTeDA	ND	1.34	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFHxA	IS	99.5	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C4-PFHpA	IS	102	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
18O2-PFHxS	IS	96.6	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFOA	IS	76.5	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C8-PFOS	IS	97.0	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C5-PFNA	IS	83.9	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFDA	IS	71.8	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
d3-MeFOSAA	IS	92.2	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFUnA	IS	80.4	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
d5-EtFOSAA	IS	114	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFDoA	IS	61.9	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFTeDA	IS	54.4	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB54-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:56

Laboratory Data

Lab Sample: 1800308-11
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.90	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFHxA	ND	2.31	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFHpA	ND	0.626	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFHxS	ND	1.00	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFOA	ND	0.690	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFOS	ND	0.855	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFNA	ND	0.858	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFDA	ND	1.58	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
MeFOSAA	ND	1.75	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFUnA	ND	1.11	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
EtFOSAA	ND	1.45	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFDoA	ND	0.839	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFTrDA	ND	0.523	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFTeDA	ND	0.800	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	101	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFHxA	IS	87.7	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C4-PFHpA	IS	71.9	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
18O2-PFHxS	IS	92.9	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFOA	IS	70.4	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C8-PFOS	IS	82.6	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C5-PFNA	IS	75.1	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFDA	IS	69.3	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
d3-MeFOSAA	IS	60.8	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFUnA	IS	47.0	50 - 150	H	B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
d5-EtFOSAA	IS	54.5	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFDoA	IS	49.8	50 - 150	H	B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFTeDA	IS	61.8	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW69-0218 **Modified EPA Method 537**

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:08

Laboratory Data

Lab Sample: 1800308-12
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.91	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFHxA	ND	2.33	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFHpA	ND	0.631	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFHxS	ND	1.01	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFOA	1.28	0.695	5.34	8.55	J, B	B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFOS	ND	0.862	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFNA	ND	0.865	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFDA	ND	1.59	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
MeFOSAA	ND	1.76	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFUnA	ND	1.12	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
EtFOSAA	ND	1.46	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFDoA	ND	0.846	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFTrDA	ND	0.528	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFTeDA	ND	0.807	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFHxA	IS	96.2	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C4-PFHpA	IS	84.9	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
18O2-PFHxS	IS	108	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFOA	IS	76.5	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C8-PFOS	IS	82.1	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C5-PFNA	IS	79.8	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFDA	IS	101	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
d3-MeFOSAA	IS	90.1	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFUnA	IS	74.1	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
d5-EtFOSAA	IS	109	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFDoA	IS	57.7	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFTeDA	IS	47.9	50 - 150	H	B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB69-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:09

Laboratory Data

Lab Sample: 1800308-13
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.88	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFHxA	ND	2.28	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFHpA	ND	0.619	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFHxS	ND	0.992	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFOA	1.67	0.682	5.25	8.38	J, B	B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFOS	ND	0.846	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFNA	ND	0.849	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFDA	ND	1.56	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
MeFOSAA	ND	1.73	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFUnA	ND	1.10	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
EtFOSAA	ND	1.44	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFDoA	ND	0.830	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFTrDA	ND	0.518	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFTeDA	ND	0.791	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	111	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFHxA	IS	87.5	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C4-PFHpA	IS	83.5	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
18O2-PFHxS	IS	91.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFOA	IS	82.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C8-PFOS	IS	80.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C5-PFNA	IS	79.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFDA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
d3-MeFOSAA	IS	89.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFUnA	IS	76.3	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
d5-EtFOSAA	IS	106	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFDoA	IS	70.6	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFTeDA	IS	66.7	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW30-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:30

Laboratory Data

Lab Sample: 1800308-14
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.94	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFHxA	ND	2.36	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFHpA	ND	0.640	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFHxS	ND	1.03	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFOA	1.55	0.705	5.43	8.67	J, B	B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFOS	ND	0.874	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFNA	ND	0.878	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFDA	ND	1.61	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
MeFOSAA	ND	1.79	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFUnA	ND	1.14	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
EtFOSAA	ND	1.48	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFDoA	ND	0.858	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFTrDA	ND	0.535	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFTeDA	ND	0.818	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	108	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFHxA	IS	85.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C4-PFHpA	IS	88.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
18O2-PFHxS	IS	93.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFOA	IS	83.3	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C8-PFOS	IS	108	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C5-PFNA	IS	80.9	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFDA	IS	90.9	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
d3-MeFOSAA	IS	94.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFUnA	IS	85.8	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
d5-EtFOSAA	IS	90.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFDoA	IS	54.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFTeDA	IS	57.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB30-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:31

Laboratory Data

Lab Sample: 1800308-15
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.86	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFHxA	ND	2.26	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFHpA	ND	0.614	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFHxS	ND	0.984	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFOA	1.23	0.676	5.21	8.31	J, B	B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFOS	ND	0.838	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFNA	ND	0.841	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFDA	ND	1.55	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
MeFOSAA	ND	1.71	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFUnA	ND	1.09	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
EtFOSAA	ND	1.42	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFDoA	ND	0.823	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFTrDA	ND	0.513	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFTeDA	ND	0.784	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	123	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFHxA	IS	99.1	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C4-PFHpA	IS	84.0	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
18O2-PFHxS	IS	95.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFOA	IS	82.5	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C8-PFOS	IS	102	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C5-PFNA	IS	81.8	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFDA	IS	87.1	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
d3-MeFOSAA	IS	87.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFUnA	IS	60.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
d5-EtFOSAA	IS	92.7	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFDoA	IS	50.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFTeDA	IS	44.5	50 - 150	H	B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW24-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 09:00

Laboratory Data

Lab Sample: 1800308-16
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.94	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFHxA	ND	2.36	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFHpA	ND	0.639	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFHxS	ND	1.02	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFOA	ND	0.704	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFOS	ND	0.873	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFNA	ND	0.876	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFDA	ND	1.61	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
MeFOSAA	ND	1.79	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFUnA	ND	1.14	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
EtFOSAA	ND	1.48	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFDoA	ND	0.857	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFTrDA	ND	0.535	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFTeDA	ND	0.817	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	95.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFHxA	IS	93.0	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C4-PFHpA	IS	82.4	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
18O2-PFHxS	IS	89.8	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFOA	IS	69.3	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C8-PFOS	IS	87.3	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C5-PFNA	IS	86.1	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFDA	IS	73.9	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
d3-MeFOSAA	IS	69.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFUnA	IS	71.7	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
d5-EtFOSAA	IS	72.4	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFDoA	IS	86.9	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFTeDA	IS	96.7	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB24-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 09:01

Laboratory Data

Lab Sample: 1800308-17
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.92	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFHxA	ND	2.34	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFHpA	ND	0.635	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFHxS	ND	1.02	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFOA	1.10	0.700	5.39	8.60	J, B	B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFOS	ND	0.867	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFNA	ND	0.871	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFDA	ND	1.60	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
MeFOSAA	ND	1.77	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFUnA	ND	1.13	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
EtFOSAA	ND	1.47	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFDoA	ND	0.851	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFTrDA	ND	0.531	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFTeDA	ND	0.811	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	102	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFHxA	IS	88.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C4-PFHpA	IS	92.8	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
18O2-PFHxS	IS	84.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFOA	IS	74.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C8-PFOS	IS	91.2	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C5-PFNA	IS	75.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFDA	IS	52.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
d3-MeFOSAA	IS	70.7	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFUnA	IS	63.0	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
d5-EtFOSAA	IS	64.4	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFDoA	IS	64.9	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFTeDA	IS	75.0	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW46-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 10:02

Laboratory Data

Lab Sample: 1800308-18
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.96	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFHxA	ND	2.39	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFHpA	ND	0.647	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFHxS	ND	1.04	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFOA	ND	0.712	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFOS	ND	0.883	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFNA	ND	0.886	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFDA	ND	1.63	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
MeFOSAA	ND	1.81	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFUnA	ND	1.15	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
EtFOSAA	ND	1.50	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFDoA	ND	0.867	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFTrDA	ND	0.541	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFTeDA	ND	0.826	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	112	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFHxA	IS	84.1	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C4-PFHpA	IS	82.9	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
18O2-PFHxS	IS	85.7	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFOA	IS	63.2	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C8-PFOS	IS	93.2	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C5-PFNA	IS	96.0	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFDA	IS	81.1	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
d3-MeFOSAA	IS	74.2	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFUnA	IS	81.1	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
d5-EtFOSAA	IS	69.8	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFDoA	IS	79.6	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFTeDA	IS	84.0	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB46-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 10:03

Laboratory Data

Lab Sample: 1800308-19
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFHxA	ND	2.30	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFHpA	ND	0.624	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFHxS	ND	1.00	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFOA	1.43	0.687	5.30	8.45	J, B	B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFOS	ND	0.852	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFNA	ND	0.855	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFDA	ND	1.57	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
MeFOSAA	ND	1.74	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFUnA	ND	1.11	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
EtFOSAA	ND	1.45	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFDoA	ND	0.836	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFTrDA	ND	0.522	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFTeDA	ND	0.797	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	112	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFHxA	IS	77.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C4-PFHpA	IS	79.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
18O2-PFHxS	IS	92.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFOA	IS	89.4	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C8-PFOS	IS	82.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C5-PFNA	IS	93.3	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFDA	IS	88.9	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
d3-MeFOSAA	IS	98.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFUnA	IS	70.5	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
d5-EtFOSAA	IS	105	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFDoA	IS	68.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFTeDA	IS	56.4	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS 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.**
D	**Dilution**
E	**The associated compound concentration exceeded the calibration range of the instrument.**
H	**Recovery and/or RPD was outside laboratory acceptance limits.**
I	**Chemical Interference**
J	**The amount detected is below the Reporting Limit/LOQ.**
M	**Estimated Maximum Possible Concentration. (CA Region 2 projects only)**
*****	**See Cover Letter**
Conc.	**Concentration**
NA	**Not applicable**
ND	**Not Detected**
TEQ	**Toxic Equivalency**
U	**Not Detected (specific projects only)**

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

CERTIFICATIONS

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

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

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 1800308 Temp: 0.3 °C
Storage ID: WR-2 Storage Secured: Yes ☑ No ☐

Project ID: CTO-WE01, Fentress PFAS Residential DW Investigation
PO#: 10006-7-105444
Sampler: K. Smith / C. Conover (name)

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

Invoice to: Name	Company	Address	City	State	Ph#	Fax#
Andrew Lairson	CH2M	5701 Cleveland Street, Suite 200	Virginia Beach	Virginia	757-671-6297	

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Kathryn Smith	2/13/18	1:00	Marissa Sparks	02/14/18	1027
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN: Martha Maier

Method of Shipment: FEDEX

Tracking No:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Type	Matrix	Mod EPA Method 537: PFOA/PFOS	UCMR3 PFAS List 6	537 List 14	Full List of 26	Other Please List Below	EPA Method 537(DW only): PFOA/PFOS	UCMR3 PFAS List 6	PFAS List 14	Comments
OF-RW55-0218	2/12/18	0939		2	P	DW			X						
OF-RW55P-0218		0940		2					X						
OF-FB55-0218		0941		2					X						
OF-RW56-0218		0958		2					X						
OF-FB56-0218		1000		2					X						
OF-RW56-0218-MS		0958		2					X						
OF-RW56-0218-SD		0958		2					X						
OF-RW53-0218		1018		2					X						
OF-FB53-0218		1019		2					X						
OF-RW68-0218		1038		2					X						

Special Instructions/Comments: 14 DAY TAT
Analysis of Drinking Water samples for PFAS (List of 14)

SEND DOCUMENTATION AND RESULTS TO:

Name: Andrew Lairson
Company: CH2M HILL Inc.
Address: 5701 Cleveland Street, Suite 200
City: Virginia Beach State: VA Zip: 23462
Phone: 757-671-6297 Fax:
Email: Andrew.Lairson@ch2m.com

Container Types: P= HDPE, PJ= HDPE Jar, O = Other

Bottle Preservation Type: T = Thiosulfate, TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Page: 1 of 1

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 1800308 Temp: 0.3 °C
Storage ID: WR-2 Storage Secured: Yes ☑ No ☐

Project ID: CTO-WE01, Fentress PFAS Residential DW Investigation
PO#: 10006-7-105444
Sampler: K.Smith / C.Carver (name)

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

Invoice to: Name	Company	Address	City	State	Ph#	Fax#
Andrew Lairson	CH2M	5701 Cleveland Street, Suite 200	Virginia Beach	Virginia	757-671-6297	

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Kathryn Smith	2/13/18	1600	Marissa Sparks	02/14/18	1027
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN: Martha Maier

Method of Shipment: FEDEX

Tracking No:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Type	Matrix	Mod EPA Method 537: PFOA/PFOS	UCMR3 PFAS List 6	537 List: 14	Full List of 26	Other: Please List Below	EPA Method 537(DW only): PFOA/PFOS	UCMR3 PFAS List 6	PFAS List: 14	Comments
OF-FB68-0218	2/12/18	1039		2	P	DW			X						
OF-RW54-0218	"	1055		2	P	"			X						
OF-FB54-0218	"	1056		2	P	"			X						
OF-RW69-0218	"	1308		2	P	"			X						
OF-FB69-0218	"	1309		2	P	"			X						
OF-RW30-0218	"	1330		2	P	"			X						
OF-FB30-0218	↓	1331		2	P	↓			X						
OF-RW24-0218	2/13/18	0900		2	P	"			X						
OF-FB24-0218	"	0901		2	P	"			X						
OF-RW46-0218	↓	1002		2	P	↓			X						

Special Instructions/Comments: 14 DAY TAT
Analysis of Drinking Water samples for PFAS (List of 14)

SEND DOCUMENTATION AND RESULTS TO:

Name: Andrew Lairson
Company: CH2M HILL Inc.
Address: 5701 Cleveland Street, Suite 200
City: Virginia Beach State: VA Zip: 23462
Phone: 757-671-6297 Fax:
Email: Andrew.Lairson@ch2m.com

Container Types: P= HDPE, PJ= HDPE Jar, O = Other

Bottle Preservation Type: T = Thiosulfate, TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Page: 1 of 1

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 1800308 Temp: 0.3 °C
Storage ID: WR-2 Storage Secured: Yes ☑ No ☐

Project ID: CTO-WE01, Fentress PFAS Residential DW Investigation
PO#: 10006-7-105444
Sampler: K. Smith/C. Canaver (name)

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

Invoice to: Name	Company	Address	City	State	Ph#	Fax#
Andrew Lairson	CH2M	5701 Cleveland Street, Suite 200	Virginia Beach	Virginia	757-671-6297	

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Kathryn Smith	2/13/18	1100	Marissa Sparks	02/14/18	1027
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN: Martha Maier

Method of Shipment: FEDEX

Tracking No:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Container(s) Type	Container(s) Matrix	Mod. EPA Method 537: PFOA/PFOS	Mod. EPA Method 537: UCMR3 PFAS List 6	Mod. EPA Method 537: 537 List: 14	Mod. EPA Method 537: Full List of 26	Mod. EPA Method 537: Other Please List Below	EPA Method 537(DW only): PFOA/PFOS	EPA Method 537(DW only): UCMR3 PFAS List 6	EPA Method 537(DW only): PFAS List: 14	Comments
OF-FB46-020218	2/13/18	1003		2	P	DW			X						

Special Instructions/Comments: 14 DAY TAT
Analysis of Drinking Water samples for PFAS (List of 14)

SEND DOCUMENTATION AND RESULTS TO:
Name: Andrew Lairson
Company: CH2M HILL Inc.
Address: 5701 Cleveland Street, Suite 200
City: Virginia Beach State: VA Zip: 23462
Phone: 757-671-6297 Fax:
Email: Andrew.Lairson@ch2m.com

Container Types: P= HDPE, PJ= HDPE Jar, O = Other

Bottle Preservation Type: T = Thiosulfate, TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Page: 1 of 1

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1800308 **TAT** 14

Samples Arrival:	**Date/Time** 02/14/18 1010	**Initials:** WMS	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 02/14/18 1128	**Initials:** BB	**Location:** WR-2 **Shelf/Rack:** E6

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

Temp °C: 0.4 (uncorrected)	**Time:** 1025	**Thermometer ID:** IR-4
Temp °C: 0.3 (corrected)	**Probe used:** Yes☐ No☒	

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill — Trk # 7714 6880 9010	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?		✓	

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

Comments:

March 12, 2018

Vista Work Order No. 1800308

Ms. Tiffany Hill
CH2M Hill
1100 NE Circle Blvd. Suite 300
Corvallis, OR 97330

Dear Ms. Hill,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 14, 2018. This sample set was analyzed on a rush turn-around time, under your Project Name 'CTO-WE01, Fentress PFAS Res. DW Investigation'.

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

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

Sincerely,

Martha Maier
Laboratory Director

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

Vista Work Order No. 1800308
Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

Modified EPA Method 537

The samples were extracted and analyzed for a selected list of PFAS using Modified EPA Method 537.

Holding Times

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

Quality Control

The Initial Calibration met the method acceptance criteria. The recoveries of EtFOSAA, PFDoA, PFTrDA and/or PFTeDA were >130% in one or more Continuing Calibration Verifications. These analytes were not detected in the samples. The acceptance criteria were met for all other analytes.

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.

The extracts of samples "OF-FB54-0218", "OF-RW24-0218". "OF-FB24-0218" and "OF-RW46-0218" were re-injected because one or more Injection Internal Standard Analyte response areas were outside of criteria. The area criteria passed for the second injections and the results from the re-injections have been reported.

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

As requested, an MS/MSD was performed on sample "OF-RW56-0218". The MS/MSD recoveries and/or RPDs were out of the acceptance criteria for MeFOSAA, PFTrDA and PFTeDA.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1800308-05	OF-FB56-0218	Modified EPA Method 537	13C2-PFDoA	H	49.2
1800308-06	OF-RW53-0218	Modified EPA Method 537	13C2-PFTeDA	H	48.0
1800308-11	OF-FB54-0218	Modified EPA Method 537	13C2-PFUnA	H	47.0
1800308-11	OF-FB54-0218	Modified EPA Method 537	13C2-PFDoA	H	49.8
1800308-12	OF-RW69-0218	Modified EPA Method 537	13C2-PFTeDA	H	47.9
1800308-15	OF-FB30-0218	Modified EPA Method 537	13C2-PFTeDA	H	44.5

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID		Sampled	Received	Components/Containers
1800308-01	OF-RW55-0218		12-Feb-18 09:39	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-02	OF-RW55P-0218		12-Feb-18 09:40	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-03	OF-FB55-0218		12-Feb-18 09:41	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-04	OF-RW56-0218	MS/MSD	12-Feb-18 09:58	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-05	OF-FB56-0218		12-Feb-18 10:00	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-06	OF-RW53-0218		12-Feb-18 10:18	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-07	OF-FB53-0218		12-Feb-18 10:19	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-08	OF-RW68-0218		12-Feb-18 10:38	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-09	OF-FB68-0218		12-Feb-18 10:39	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-10	OF-RW54-0218		12-Feb-18 10:55	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-11	OF-FB54-0218		12-Feb-18 10:56	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-12	OF-RW69-0218		12-Feb-18 13:08	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-13	OF-FB69-0218		12-Feb-18 13:09	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-14	OF-RW30-0218		12-Feb-18 13:30	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-15	OF-FB30-0218		12-Feb-18 13:31	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-16	OF-RW24-0218		13-Feb-18 09:00	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-17	OF-FB24-0218		13-Feb-18 09:01	14-Feb-18 10:10	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1800308-18	OF-RW46-0218		13-Feb-18 10:02	14-Feb-18 10:10	HDPE Bottle, 125 mL

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1800308-18	OF-RW46-0218	13-Feb-18 10:02	14-Feb-18 10:10	HDPE Bottle, 125 mL
1800308-19	OF-FB46-0218	13-Feb-18 10:03	14-Feb-18 10:10	HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Aqueous

Laboratory Data

Lab Sample: B8B0111-BLK1
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.79	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFHxA	ND	2.18	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFHpA	ND	0.591	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFHxS	ND	0.947	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFOA	1.32	0.651	5.00	8.00	J	B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFOS	ND	0.807	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFNA	ND	0.810	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFDA	ND	1.49	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
MeFOSAA	ND	1.65	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFUnA	ND	1.05	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
EtFOSAA	ND	1.37	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFDoA	ND	0.792	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFTrDA	ND	0.494	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
PFTeDA	ND	0.755	5.00	8.00		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	120	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFHxA	IS	96.5	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C4-PFHpA	IS	106	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
18O2-PFHxS	IS	83.7	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFOA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C8-PFOS	IS	85.5	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C5-PFNA	IS	85.5	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFDA	IS	80.4	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
d3-MeFOSAA	IS	66.7	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFUnA	IS	73.0	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
d5-EtFOSAA	IS	83.7	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFDoA	IS	74.4	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1
13C2-PFTeDA	IS	79.5	50 - 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:57	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OPR **Modified EPA Method 537**

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Aqueous

Laboratory Data

Lab Sample: B8B0111-BS1
Column: BEH C18

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	76.7	80.0	95.9	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFHxA	88.3	80.0	110	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFHpA	85.0	80.0	106	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFHxS	86.3	80.0	108	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFOA	75.1	80.0	93.9	70-130	B	B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFOS	89.8	80.0	112	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFNA	81.7	80.0	102	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFDA	89.2	80.0	112	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
MeFOSAA	97.9	80.0	122	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFUnA	89.3	80.0	112	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
EtFOSAA	77.8	80.0	97.2	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFDoA	77.9	80.0	97.4	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFTrDA	91.1	80.0	114	60-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
PFTeDA	99.3	80.0	124	70-130		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFHxA	IS	88.6	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C4-PFHpA	IS	91.0	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
18O2-PFHxS	IS	91.3	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFOA	IS	88.9	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C8-PFOS	IS	76.3	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C5-PFNA	IS	78.3	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFDA	IS	71.6	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
d3-MeFOSAA	IS	60.5	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFUnA	IS	52.6	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
d5-EtFOSAA	IS	75.0	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFDoA	IS	57.8	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1
13C2-PFTeDA	IS	60.7	50- 150		B8B0111	21-Feb-18	0.125 L	25-Feb-18 06:46	1

Sample ID: OF-RW55-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:39

Laboratory Data

Lab Sample: 1800308-01
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.94	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFHxA	ND	2.37	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFHpA	ND	0.641	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFHxS	ND	1.03	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFOA	0.990	0.706	5.43	8.68	J, B	B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFOS	ND	0.876	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFNA	ND	0.879	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFDA	ND	1.62	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
MeFOSAA	ND	1.79	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFUnA	ND	1.14	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
EtFOSAA	ND	1.49	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFDoA	ND	0.859	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFTrDA	ND	0.536	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFTeDA	ND	0.819	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	92.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFHxA	IS	79.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C4-PFHpA	IS	80.1	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
18O2-PFHxS	IS	96.4	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFOA	IS	94.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C8-PFOS	IS	77.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C5-PFNA	IS	68.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFDA	IS	93.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
d3-MeFOSAA	IS	101	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFUnA	IS	77.9	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
d5-EtFOSAA	IS	106	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFDoA	IS	88.8	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFTeDA	IS	92.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW55P-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:40

Laboratory Data

Lab Sample: 1800308-02
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.93	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFHxA	ND	2.35	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFHpA	ND	0.638	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFHxS	ND	1.02	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFOA	1.01	0.702	5.39	8.63	J, B	B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFOS	ND	0.871	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFNA	ND	0.874	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFDA	ND	1.61	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
MeFOSAA	ND	1.78	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFUnA	ND	1.13	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
EtFOSAA	ND	1.48	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFDoA	ND	0.854	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFTrDA	ND	0.533	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFTeDA	ND	0.815	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	107	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFHxA	IS	89.4	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C4-PFHpA	IS	79.3	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
18O2-PFHxS	IS	83.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFOA	IS	88.0	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C8-PFOS	IS	83.1	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C5-PFNA	IS	73.4	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFDA	IS	72.0	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
d3-MeFOSAA	IS	94.6	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFUnA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
d5-EtFOSAA	IS	107	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFDoA	IS	80.3	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFTeDA	IS	96.7	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB55-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:41

Laboratory Data

Lab Sample: 1800308-03
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.98	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFHxA	ND	2.41	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFHpA	ND	0.654	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFHxS	ND	1.05	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFOA	1.18	0.721	5.53	8.86	J, B	B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFOS	ND	0.894	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFNA	ND	0.897	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFDA	ND	1.65	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
MeFOSAA	ND	1.83	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFUnA	ND	1.16	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
EtFOSAA	ND	1.52	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFDoA	ND	0.877	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFTrDA	ND	0.547	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFTeDA	ND	0.836	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	105	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFHxA	IS	81.1	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C4-PFHpA	IS	90.6	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
18O2-PFHxS	IS	92.8	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFOA	IS	79.7	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C8-PFOS	IS	87.7	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C5-PFNA	IS	82.9	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFDA	IS	70.2	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
d3-MeFOSAA	IS	81.7	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFUnA	IS	61.9	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
d5-EtFOSAA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFDoA	IS	80.9	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFTeDA	IS	70.1	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW56-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:58

Laboratory Data

Lab Sample: 1800308-04
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFHxA	ND	2.31	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFHpA	ND	0.625	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFHxS	ND	1.00	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFOA	1.41	0.689	5.30	8.46	J, B	B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFOS	ND	0.854	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFNA	ND	0.857	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFDA	ND	1.58	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
MeFOSAA	ND	1.75	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFUnA	ND	1.11	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
EtFOSAA	ND	1.45	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFDoA	ND	0.838	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFTrDA	ND	0.523	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFTeDA	ND	0.799	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFHxA	IS	93.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C4-PFHpA	IS	91.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
18O2-PFHxS	IS	94.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFOA	IS	84.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C8-PFOS	IS	92.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C5-PFNA	IS	85.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFDA	IS	73.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
d3-MeFOSAA	IS	73.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFUnA	IS	68.3	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
d5-EtFOSAA	IS	81.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFDoA	IS	59.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFTeDA	IS	58.5	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW56-0218 **Modified EPA Method 537**

Name:	CH2M Hill	Lab Sample:	B8B0111-MS1/B8B0111-MSD1	Source Lab Sample:	1800308-04
Project:	CTO-WE01, Fentress PFAS Res. DW Investigation	QC Batch:	B8B0111	Date Extracted:	21-Feb-18
Matrix:	Aqueous	Samp Size:	0.119/0.120 L	Column:	BEH C18

Analyte	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
PFBS	ND	88.2	83.9	105		93.9	83.5	112	6.45		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFHxA	ND	86.4	83.9	103		88.4	83.5	106	2.87		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFHpA	ND	84.9	83.9	101		80.8	83.5	96.8	4.25		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFHxS	ND	81.0	83.9	95.7		88.7	83.5	105	9.27		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFOA	1.41	83.3	83.9	97.6	B	102	83.5	121	21.4	B	70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFOS	ND	86.1	83.9	103		94.2	83.5	113	9.26		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFNA	ND	90.9	83.9	108		90.3	83.5	108	0		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFDA	ND	78.5	83.9	93.6		85.2	83.5	102	8.59		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
MeFOSAA	ND	69.2	83.9	82.5		99.2	83.5	119	36.2	H	70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFUnA	ND	90.6	83.9	108		83.7	83.5	100	7.69		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
EtFOSAA	ND	80.6	83.9	96.1		86.1	83.5	103	6.93		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFDoA	ND	80.7	83.9	96.2		72.6	83.5	86.9	10.2		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFTrDA	ND	91.7	83.9	109		114	83.5	136	22.0	H	60-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1
PFTeDA	ND	119	83.9	142	H	95.3	83.5	114	21.9		70-130	30	25-Feb-18 07:09	1	25-Feb-18 07:20	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBS	IS	102		101		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFHxA	IS	87.6		90.4		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C4-PFHpA	IS	98.7		93.4		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
18O2-PFHxS	IS	91.9		101		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFOA	IS	85.0		89.2		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C8-PFOS	IS	87.8		83.7		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C5-PFNA	IS	74.9		69.3		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFDA	IS	77.6		81.1		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
d3-MeFOSAA	IS	102		96.2		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFUnA	IS	80.9		78.7		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
d5-EtFOSAA	IS	99.6		103		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFDoA	IS	84.1		84.9		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1
13C2-PFTeDA	IS	68.4		98.1		50-150	25-Feb-18 07:09	1	25-Feb-18 07:20	1

Sample ID: OF-FB56-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:00

Laboratory Data

Lab Sample: 1800308-05
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	2.03	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFHxA	ND	2.47	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFHpA	ND	0.669	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFHxS	ND	1.07	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFOA	0.898	0.737	5.68	9.05	J, B	B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFOS	ND	0.913	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFNA	ND	0.917	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFDA	ND	1.69	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
MeFOSAA	ND	1.87	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFUnA	ND	1.19	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
EtFOSAA	ND	1.55	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFDoA	ND	0.896	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFTrDA	ND	0.559	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFTeDA	ND	0.855	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFHxA	IS	86.8	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C4-PFHpA	IS	95.5	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
18O2-PFHxS	IS	104	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFOA	IS	92.9	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C8-PFOS	IS	71.3	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C5-PFNA	IS	75.8	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFDA	IS	61.2	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
d3-MeFOSAA	IS	68.6	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFUnA	IS	56.1	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
d5-EtFOSAA	IS	75.1	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFDoA	IS	49.2	50 - 150	H	B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFTeDA	IS	52.5	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW53-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:18

Laboratory Data

Lab Sample: 1800308-06
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.93	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFHxA	ND	2.35	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFHpA	ND	0.637	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFHxS	ND	1.02	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFOA	ND	0.702	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFOS	ND	0.870	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFNA	ND	0.873	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFDA	ND	1.61	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
MeFOSAA	ND	1.78	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFUnA	ND	1.13	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
EtFOSAA	ND	1.48	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFDoA	ND	0.854	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFTrDA	ND	0.533	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFTeDA	ND	0.814	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	109	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFHxA	IS	95.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C4-PFHpA	IS	94.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
18O2-PFHxS	IS	91.7	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFOA	IS	82.8	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C8-PFOS	IS	96.8	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C5-PFNA	IS	86.9	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFDA	IS	79.4	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
d3-MeFOSAA	IS	81.7	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFUnA	IS	66.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
d5-EtFOSAA	IS	93.3	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFDoA	IS	54.0	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFTeDA	IS	48.0	50 - 150	H	B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB53-0218 **Modified EPA Method 537**

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:19

Laboratory Data

Lab Sample: 1800308-07
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.88	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFHxA	ND	2.28	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFHpA	ND	0.619	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFHxS	ND	0.992	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFOA	ND	0.682	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFOS	ND	0.845	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFNA	ND	0.849	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFDA	ND	1.56	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
MeFOSAA	ND	1.73	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFUnA	ND	1.10	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
EtFOSAA	ND	1.44	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFDoA	ND	0.830	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFTrDA	ND	0.518	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFTeDA	ND	0.791	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFHxA	IS	94.6	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C4-PFHpA	IS	107	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
18O2-PFHxS	IS	96.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFOA	IS	74.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C8-PFOS	IS	91.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C5-PFNA	IS	79.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFDA	IS	70.5	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
d3-MeFOSAA	IS	74.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFUnA	IS	66.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
d5-EtFOSAA	IS	82.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFDoA	IS	54.7	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFTeDA	IS	51.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW68-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:38

Laboratory Data

Lab Sample: 1800308-08
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.88	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFHxA	ND	2.29	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFHpA	ND	0.620	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFHxS	ND	0.993	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFOA	1.40	0.683	5.25	8.39	J, B	B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFOS	ND	0.846	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFNA	ND	0.849	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFDA	ND	1.56	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
MeFOSAA	ND	1.73	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFUnA	ND	1.10	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
EtFOSAA	ND	1.44	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFDoA	ND	0.831	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFTrDA	ND	0.518	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFTeDA	ND	0.792	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFHxA	IS	94.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C4-PFHpA	IS	93.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
18O2-PFHxS	IS	92.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFOA	IS	77.7	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C8-PFOS	IS	86.1	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C5-PFNA	IS	84.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFDA	IS	75.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
d3-MeFOSAA	IS	86.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFUnA	IS	79.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
d5-EtFOSAA	IS	90.1	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFDoA	IS	71.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFTeDA	IS	54.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB68-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:39

Laboratory Data

Lab Sample: 1800308-09
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFHxA	ND	2.30	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFHpA	ND	0.624	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFHxS	1.13	1.00	5.30	8.44	J	B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFOA	1.12	0.687	5.30	8.44	J, B	B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFOS	ND	0.852	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFNA	ND	0.855	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFDA	ND	1.57	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
MeFOSAA	ND	1.74	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFUnA	ND	1.11	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
EtFOSAA	ND	1.45	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFDoA	ND	0.836	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFTrDA	ND	0.521	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFTeDA	ND	0.797	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	112	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFHxA	IS	92.0	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C4-PFHpA	IS	88.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
18O2-PFHxS	IS	91.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFOA	IS	89.3	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C8-PFOS	IS	88.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C5-PFNA	IS	74.5	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFDA	IS	71.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
d3-MeFOSAA	IS	85.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFUnA	IS	68.6	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
d5-EtFOSAA	IS	91.9	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFDoA	IS	50.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFTeDA	IS	56.4	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW54-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:55

Laboratory Data

Lab Sample: 1800308-10
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	3.17	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFHxA	ND	3.86	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFHpA	ND	1.05	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFHxS	ND	1.68	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFOA	1.44	1.15	8.87	14.2	J, B	B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFOS	ND	1.43	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFNA	ND	1.44	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFDA	ND	2.64	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
MeFOSAA	ND	2.92	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFUnA	ND	1.86	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
EtFOSAA	ND	2.43	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFDoA	ND	1.40	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFTrDA	ND	0.875	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFTeDA	ND	1.34	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFHxA	IS	99.5	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C4-PFHpA	IS	102	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
18O2-PFHxS	IS	96.6	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFOA	IS	76.5	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C8-PFOS	IS	97.0	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C5-PFNA	IS	83.9	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFDA	IS	71.8	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
d3-MeFOSAA	IS	92.2	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFUnA	IS	80.4	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
d5-EtFOSAA	IS	114	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFDoA	IS	61.9	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFTeDA	IS	54.4	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB54-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:56

Laboratory Data

Lab Sample: 1800308-11
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.90	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFHxA	ND	2.31	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFHpA	ND	0.626	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFHxS	ND	1.00	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFOA	ND	0.690	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFOS	ND	0.855	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFNA	ND	0.858	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFDA	ND	1.58	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
MeFOSAA	ND	1.75	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFUnA	ND	1.11	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
EtFOSAA	ND	1.45	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFDoA	ND	0.839	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFTrDA	ND	0.523	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
PFTeDA	ND	0.800	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	101	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFHxA	IS	87.7	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C4-PFHpA	IS	71.9	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
18O2-PFHxS	IS	92.9	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFOA	IS	70.4	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C8-PFOS	IS	82.6	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C5-PFNA	IS	75.1	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFDA	IS	69.3	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
d3-MeFOSAA	IS	60.8	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFUnA	IS	47.0	50 - 150	H	B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
d5-EtFOSAA	IS	54.5	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFDoA	IS	49.8	50 - 150	H	B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFTeDA	IS	61.8	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW69-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:08

Laboratory Data

Lab Sample: 1800308-12
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.91	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFHxA	ND	2.33	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFHpA	ND	0.631	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFHxS	ND	1.01	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFOA	1.28	0.695	5.34	8.55	J, B	B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFOS	ND	0.862	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFNA	ND	0.865	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFDA	ND	1.59	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
MeFOSAA	ND	1.76	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFUnA	ND	1.12	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
EtFOSAA	ND	1.46	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFDoA	ND	0.846	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFTrDA	ND	0.528	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFTeDA	ND	0.807	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFHxA	IS	96.2	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C4-PFHpA	IS	84.9	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
18O2-PFHxS	IS	108	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFOA	IS	76.5	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C8-PFOS	IS	82.1	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C5-PFNA	IS	79.8	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFDA	IS	101	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
d3-MeFOSAA	IS	90.1	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFUnA	IS	74.1	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
d5-EtFOSAA	IS	109	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFDoA	IS	57.7	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFTeDA	IS	47.9	50 - 150	H	B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB69-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:09

Laboratory Data

Lab Sample: 1800308-13
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.88	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFHxA	ND	2.28	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFHpA	ND	0.619	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFHxS	ND	0.992	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFOA	1.67	0.682	5.25	8.38	J, B	B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFOS	ND	0.846	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFNA	ND	0.849	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFDA	ND	1.56	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
MeFOSAA	ND	1.73	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFUnA	ND	1.10	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
EtFOSAA	ND	1.44	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFDoA	ND	0.830	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFTrDA	ND	0.518	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFTeDA	ND	0.791	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	111	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFHxA	IS	87.5	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C4-PFHpA	IS	83.5	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
18O2-PFHxS	IS	91.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFOA	IS	82.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C8-PFOS	IS	80.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C5-PFNA	IS	79.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFDA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
d3-MeFOSAA	IS	89.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFUnA	IS	76.3	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
d5-EtFOSAA	IS	106	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFDoA	IS	70.6	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFTeDA	IS	66.7	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW30-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:30

Laboratory Data

Lab Sample: 1800308-14
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.94	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFHxA	ND	2.36	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFHpA	ND	0.640	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFHxS	ND	1.03	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFOA	1.55	0.705	5.43	8.67	J, B	B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFOS	ND	0.874	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFNA	ND	0.878	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFDA	ND	1.61	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
MeFOSAA	ND	1.79	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFUnA	ND	1.14	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
EtFOSAA	ND	1.48	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFDoA	ND	0.858	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFTrDA	ND	0.535	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFTeDA	ND	0.818	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	108	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFHxA	IS	85.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C4-PFHpA	IS	88.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
18O2-PFHxS	IS	93.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFOA	IS	83.3	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C8-PFOS	IS	108	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C5-PFNA	IS	80.9	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFDA	IS	90.9	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
d3-MeFOSAA	IS	94.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFUnA	IS	85.8	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
d5-EtFOSAA	IS	90.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFDoA	IS	54.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFTeDA	IS	57.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB30-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:31

Laboratory Data

Lab Sample: 1800308-15
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.86	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFHxA	ND	2.26	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFHpA	ND	0.614	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFHxS	ND	0.984	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFOA	1.23	0.676	5.21	8.31	J, B	B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFOS	ND	0.838	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFNA	ND	0.841	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFDA	ND	1.55	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
MeFOSAA	ND	1.71	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFUnA	ND	1.09	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
EtFOSAA	ND	1.42	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFDoA	ND	0.823	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFTrDA	ND	0.513	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFTeDA	ND	0.784	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	123	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFHxA	IS	99.1	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C4-PFHpA	IS	84.0	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
18O2-PFHxS	IS	95.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFOA	IS	82.5	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C8-PFOS	IS	102	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C5-PFNA	IS	81.8	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFDA	IS	87.1	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
d3-MeFOSAA	IS	87.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFUnA	IS	60.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
d5-EtFOSAA	IS	92.7	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFDoA	IS	50.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFTeDA	IS	44.5	50 - 150	H	B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW24-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 09:00

Laboratory Data

Lab Sample: 1800308-16
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.94	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFHxA	ND	2.36	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFHpA	ND	0.639	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFHxS	ND	1.02	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFOA	ND	0.704	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFOS	ND	0.873	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFNA	ND	0.876	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFDA	ND	1.61	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
MeFOSAA	ND	1.79	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFUnA	ND	1.14	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
EtFOSAA	ND	1.48	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFDoA	ND	0.857	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFTrDA	ND	0.535	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFTeDA	ND	0.817	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	95.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFHxA	IS	93.0	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C4-PFHpA	IS	82.4	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
18O2-PFHxS	IS	89.8	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFOA	IS	69.3	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C8-PFOS	IS	87.3	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C5-PFNA	IS	86.1	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFDA	IS	73.9	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
d3-MeFOSAA	IS	69.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFUnA	IS	71.7	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
d5-EtFOSAA	IS	72.4	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFDoA	IS	86.9	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFTeDA	IS	96.7	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB24-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 09:01

Laboratory Data

Lab Sample: 1800308-17
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.92	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFHxA	ND	2.34	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFHpA	ND	0.635	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFHxS	ND	1.02	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFOA	1.10	0.700	5.39	8.60	J, B	B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFOS	ND	0.867	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFNA	ND	0.871	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFDA	ND	1.60	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
MeFOSAA	ND	1.77	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFUnA	ND	1.13	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
EtFOSAA	ND	1.47	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFDoA	ND	0.851	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFTrDA	ND	0.531	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFTeDA	ND	0.811	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	102	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFHxA	IS	88.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C4-PFHpA	IS	92.8	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
18O2-PFHxS	IS	84.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFOA	IS	74.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C8-PFOS	IS	91.2	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C5-PFNA	IS	75.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFDA	IS	52.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
d3-MeFOSAA	IS	70.7	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFUnA	IS	63.0	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
d5-EtFOSAA	IS	64.4	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFDoA	IS	64.9	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFTeDA	IS	75.0	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-RW46-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 10:02

Laboratory Data

Lab Sample: 1800308-18
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.96	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFHxA	ND	2.39	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFHpA	ND	0.647	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFHxS	ND	1.04	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFOA	ND	0.712	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFOS	ND	0.883	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFNA	ND	0.886	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFDA	ND	1.63	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
MeFOSAA	ND	1.81	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFUnA	ND	1.15	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
EtFOSAA	ND	1.50	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFDoA	ND	0.867	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFTrDA	ND	0.541	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFTeDA	ND	0.826	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	112	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFHxA	IS	84.1	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C4-PFHpA	IS	82.9	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
18O2-PFHxS	IS	85.7	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFOA	IS	63.2	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C8-PFOS	IS	93.2	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C5-PFNA	IS	96.0	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFDA	IS	81.1	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
d3-MeFOSAA	IS	74.2	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFUnA	IS	81.1	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
d5-EtFOSAA	IS	69.8	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFDoA	IS	79.6	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFTeDA	IS	84.0	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OF-FB46-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 10:03

Laboratory Data

Lab Sample: 1800308-19
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFHxA	ND	2.30	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFHpA	ND	0.624	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFHxS	ND	1.00	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFOA	1.43	0.687	5.30	8.45	J, B	B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFOS	ND	0.852	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFNA	ND	0.855	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFDA	ND	1.57	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
MeFOSAA	ND	1.74	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFUnA	ND	1.11	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
EtFOSAA	ND	1.45	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFDoA	ND	0.836	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFTrDA	ND	0.522	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFTeDA	ND	0.797	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	112	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFHxA	IS	77.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C4-PFHpA	IS	79.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
18O2-PFHxS	IS	92.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFOA	IS	89.4	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C8-PFOS	IS	82.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C5-PFNA	IS	93.3	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFDA	IS	88.9	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
d3-MeFOSAA	IS	98.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFUnA	IS	70.5	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
d5-EtFOSAA	IS	105	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFDoA	IS	68.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFTeDA	IS	56.4	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS 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.**
D	**Dilution**
E	**The associated compound concentration exceeded the calibration range of the instrument.**
H	**Recovery and/or RPD was outside laboratory acceptance limits.**
I	**Chemical Interference**
J	**The amount detected is below the Reporting Limit/LOQ.**
M	**Estimated Maximum Possible Concentration. (CA Region 2 projects only)**
*****	**See Cover Letter**
Conc.	**Concentration**
NA	**Not applicable**
ND	**Not Detected**
TEQ	**Toxic Equivalency**
U	**Not Detected (specific projects only)**

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

CERTIFICATIONS

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

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

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 1800308 Temp: 0.3 °C
Storage ID: WR-2 Storage Secured: Yes ☑ No ☐

Project ID: CTO-WE01, Fentress PFAS Residential DW Investigation
PO#: 10006-7-105444
Sampler: K. Smith / C. Conover (name)

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

Invoice to: Name	Company	Address	City	State	Ph#	Fax#
Andrew Lairson	CH2M	5701 Cleveland Street, Suite 200	Virginia Beach	Virginia	757-671-6297	

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Kathryn Smith	2/13/18	1:00	Marissa Sparks	02/14/18	1027
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN: Martha Maier

Method of Shipment: FEDEX

Tracking No:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Type	Matrix	Mod EPA Method 537: PFOA/PFOS	UCMR3 PFAS List 6	537 List 14	Full List of 26	Other Please List Below	EPA Method 537(DW only): PFOA/PFOS	UCMR3 PFAS List 6	PFAS List 14	Comments
OF-RW55-0218	2/12/18	0939		2	P	DW			X						
OF-RW55P-0218		0940		2					X						
OF-FB55-0218		0941		2					X						
OF-RW56-0218		0958		2					X						
OF-FB56-0218		1000		2					X						
OF-RW56-0218-MS		0958		2					X						
OF-RW56-0218-SD		0958		2					X						
OF-RW53-0218		1018		2					X						
OF-FB53-0218		1019		2					X						
OF-RW68-0218		1038		2					X						

Special Instructions/Comments: 14 DAY TAT
Analysis of Drinking Water samples for PFAS (List of 14)

SEND DOCUMENTATION AND RESULTS TO:

Name: Andrew Lairson
Company: CH2M HILL Inc.
Address: 5701 Cleveland Street, Suite 200
City: Virginia Beach State: VA Zip: 23462
Phone: 757-671-6297 Fax:
Email: Andrew.Lairson@ch2m.com

Container Types: P= HDPE, PJ= HDPE Jar, O = Other

Bottle Preservation Type: T = Thiosulfate, TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Page: 1 of 1

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 1800308 Temp: 0.3 °C
Storage ID: WR-2 Storage Secured: Yes ☑ No ☐

Project ID: CTO-WE01, Fentress PFAS Residential DW Investigation
PO#: 10006-7-105444
Sampler: K.Smith / C.Carver (name)

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

Invoice to: Name	Company	Address	City	State	Ph#	Fax#
Andrew Lairson	CH2M	5701 Cleveland Street, Suite 200	Virginia Beach	Virginia	757-671-6297	

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Kathryn Smith	2/13/18	1600	Marissa Sparks	02/14/18	1027
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN: Martha Maier

Method of Shipment: FEDEX

Tracking No:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Type	Matrix	Mod EPA Method 537: PFOA/PFOS	UCMR3 PFAS List 6	537 List: 14	Full List of 26	Other: Please List Below	EPA Method 537(DW only): PFOA/PFOS	UCMR3 PFAS List 6	PFAS List: 14	Comments
OF-FB68-0218	2/12/18	1039		2	P	DW			X						
OF-RW54-0218		1055		2	P				X						
OF-FB54-0218		1056		2	P				X						
OF-RW69-0218		1308		2	P				X						
OF-FB69-0218		1309		2	P				X						
OF-RW30-0218		1330		2	P				X						
OF-FB30-0218		1331		2	P				X						
OF-RW24-0218	2/13/18	0900		2	P				X						
OF-FB24-0218		0901		2	P				X						
OF-RW46-0218		1002		2	P				X						

Special Instructions/Comments: 14 DAY TAT
Analysis of Drinking Water samples for PFAS (List of 14)

SEND DOCUMENTATION AND RESULTS TO:

Name: Andrew Lairson
Company: CH2M HILL Inc.
Address: 5701 Cleveland Street, Suite 200
City: Virginia Beach State: VA Zip: 23462
Phone: 757-671-6297 Fax:
Email: Andrew.Lairson@ch2m.com

Container Types: P= HDPE, PJ= HDPE Jar, O = Other

Bottle Preservation Type: T = Thiosulfate, TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 1800308 Temp: 0.3 °C
Storage ID: WR-2 Storage Secured: Yes ☑ No ☐

Project ID: CTO-WE01, Fentress PFAS Residential DW Investigation
PO#: 10006-7-105444
Sampler: K. Smith/C. Canaver (name)

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

Invoice to: Name	Company	Address	City	State	Ph#	Fax#
Andrew Lairson	CH2M	5701 Cleveland Street, Suite 200	Virginia Beach	Virginia	757-671-6297	

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Kathryn Smith	2/13/18	1100	Marissa Sparks	02/14/18	1027
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN: Martha Maier

Method of Shipment: FEDEX

Tracking No:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Container(s) Type	Container(s) Matrix	Mod. EPA Method 537 PFOA/PFOS	Mod. EPA Method 537 UCMR3 PFAS List 6	Mod. EPA Method 537 537 List: 14	Mod. EPA Method 537 Full List of 26	Mod. EPA Method 537 Other Please List Below	EPA Method 537(DW only) PFOA/PFOS	EPA Method 537(DW only) UCMR3 PFAS List 6	EPA Method 537(DW only) PFAS List: 14	Comments
OF-FB46-020218	2/13/18	1003		2	P	DW			X						

Special Instructions/Comments: 14 DAY TAT
Analysis of Drinking Water samples for PFAS (List of 14)

SEND DOCUMENTATION AND RESULTS TO:

Name: Andrew Lairson
Company: CH2M HILL Inc.
Address: 5701 Cleveland Street, Suite 200
City: Virginia Beach State: VA Zip: 23462
Phone: 757-671-6297 Fax:
Email: Andrew.Lairson@ch2m.com

Container Types: P= HDPE, PJ= HDPE Jar, O = Other

Bottle Preservation Type: T = Thiosulfate, TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Page: 1 of 1

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1800308 **TAT** 14

Samples Arrival:	**Date/Time** 02/14/18 1010	**Initials:** MM3	**Location:** WR-2 **Shelf/Rack:** N/a
Logged In:	**Date/Time** 02/14/18 1128	**Initials:** BB	**Location:** WR-2 **Shelf/Rack:** E6

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

Temp °C:	0.4 (uncorrected)	**Time:** 1025	**Thermometer ID:** IR-4
Temp °C:	0.3 (corrected)	**Probe used:** Yes☐ No☑	

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill — Trk # 7714 6880 9010	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	✓

If Chlorinated or Drinking Water Samples, Acceptable Preservation?					✓	
Preservation Documented:	$Na_2S_2O_3$	Trizma	(None)	(Yes)	No	NA
Shipping Container	(Vista)	Client	(Retain)	Return	Dispose	

Comments:

EXTRACTION INFORMATION

Process Sheet

Workorder: 1800308

PRIORITY

Prep Expiration: 2018-Feb-26
Client: CH2M Hill

Workorder Due: 28-Feb-18 00:00

TAT: 14

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

Prep Batch: B8B0111

Prep Data Entered: 2·22·18 JR
Date and Initials

Version: 537 (14 Analyte)
DoD: DoD QSM 5.1

Initial Sequence: S0B0056

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1800308-01	A	☑	☑	OF-RW55-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-02		☑	☑	OF-RW55P-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-03		☑	☑	OF-FB55-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-04	A,B,C	☑	☑	OF-RW56-0218	**MS/MSD**	WR-2 E-6	HDPE Bottle, 125 mL
1800308-05	A	☑	☑	OF-FB56-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-06		☑	☑	OF-RW53-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-07		☑	☑	OF-FB53-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-08		☑	☑	OF-RW68-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-09		☑	☑	OF-FB68-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-10		☑	☑	OF-RW54-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-11		☑	☑	OF-FB54-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-12		☑	☑	OF-RW69-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-13		☑	☑	OF-FB69-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-14		☑	☑	OF-RW30-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-15		☑	☑	OF-FB30-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-16		☑	☑	OF-RW24-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-17		☑	☑	OF-FB24-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-18		☑	☑	OF-RW46-0218		WR-2 E-6	HDPE Bottle, 125 mL
1800308-19		☑	☑	OF-FB46-0218		WR-2 E-6	HDPE Bottle, 125 mL

Pre-Prep Check Out: KC 2/21/18
Pre-Prep Check In: NA

Prep Check Out: NA
Prep Check In: NA

Prep Reconciled Initals/Date: KC 2/21/18
Spike Reconciled Initals/Date: KC 2·21·18
VialBoxID: Gir

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8B0111

Chemist: KC

Prep Date/Time: ~~15~~-Feb-18 ~~09:07~~ 21 10:00

KC 2/21/18

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: KC 2/21/18 BalanceID: HRMS-8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
☐	B8B0111-BLK1	5	2	0	2	NA	NA	(0.125) ✓	KC ~~JK~~ 2/21/18	KC 2/21/18	KC MA 2/21/18
☐	B8B0111-BS1	5	2	0	2	↓	↓	(0.125) ✓	↓	↓	↓
☐	B8B0111-MS1 1800308-04	5	2	0	3	146.15	26.93	0.11922 ✓			
☐	B8B0111-MSD1 1800308-04	5	2	0	3	146.76	26.96	0.11980 ✓			
☐	1800308-01	5	2	0	3	141.87	26.68	0.11519 ✓			
☐	1800308-02	5	2	0	3	142.68	26.82	0.11586 ✓			
☐	1800308-03	5	2	0	2	139.87	26.98	0.11289 ✓			
☐	1800308-04	5	2	0	3	145.03	26.87	0.11816 ✓			
☐	1800308-05	5	2	0	2	137.31	26.87	0.11044 ✓			
☐	1800308-06	6	2	0	2	142.66	26.72	0.11594 ✓			
☐	1800308-07	5	2	0	2	146.32	27.00	0.11932 ✓			
☐	1800308-08	6	2	0	2	145.87	26.68	0.11919 ✓			
☐	1800308-09	5	2	0	2	145.36	26.94	0.11842 ✓			
☐	1800308-10 Ⓐ	6	2	0	1	~~141.74~~ 97.20	26.66	0.07054 ✓			
☐	1800308-11	5	2	0	2	144.97	26.96	0.11801 ✓			
☐	1800308-12	6	2	0	3	143.91	26.90	0.11701 ✓			

IS: 17L2601, 10µL (V1)

IS SUP: NA

NS: 17L2103, 10µL (V2)

RS: 17L2332, 10µL (V1)

SPE Chem: Strata-X-AW 33µm 200mg/6mL

Ele SOLV: MeOH/.5%NH4OH in MeOH

Final Volume(s): 1mL

Notes: Ⓐ Sample spilled while prepping. KC 2/21/18

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8B0111

Chemist: KC

Prep Date/Time: ~~15~~-Feb-18 ~~09:07~~ 21 10:00

KC 2/21/18

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: KC 2/21/18 BalanceID: HRMS-8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
☐	1800308-13	5	2	0	2	146.28	26.48	0.11930 ✓	KC KC 2/21/18	KC 2/21/18	KC MA 2/21/18
☐	1800308-14	6	2	0	2	142.28	26.40	0.11538 ✓			
☐	1800308-15	5	2	0	2	147.28	26.92	0.12036 ✓			
☐	1800308-16	6	2	0	3	142.44	26.92	0.11552 ✓			
☐	1800308-17	5	2	0	2	143.25	26.44	0.11631 ✓			
☐	1800308-18	5	2	0	2	140.85	26.61	0.11424 ✓			
☐	1800308-19	5	2	0	2	145.31	26.92	0.11839 ✓			

IS: 17L2609, 10µL (V1)

IS SUP: NA

NS: 17L2103, 10µL (V2)

RS: 17L2332, 10µL (V1)

SPE Chem: Strata-X-AW 33µm 200mg/6mL

Ele SOLV: MeOH/.5%NH4OH in MeOH

Final Volume(s): 1mL

Notes:

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

Batch: B8B0111

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1800308-01	0.11519	NA	NA	1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-02	0.11586			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-03	0.11289			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-04	0.11816			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-05	0.11044			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-06	0.11594			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-07	0.11932			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-08	0.11919			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-09	0.11842			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-10	0.07054			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-11	0.11801			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-12	0.11701			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-13	0.1193			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-14	0.11538			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-15	0.12036			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-16	0.11552			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-17	0.11631			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-18	0.11424			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
1800308-19	0.11839			1000	21-Feb-18 10:00	KC			Drinking Water	537M PFAS DOD (LOQ as
B8B0111-BLK1	0.125			1000	21-Feb-18 10:00	KC				QC
B8B0111-BS1	0.125			1000	21-Feb-18 10:00	KC	17L2103	10		QC
B8B0111-MS1	0.11922			1000	21-Feb-18 10:00	KC	17L2103	10		QC
B8B0111-MSD1	0.1198			1000	21-Feb-18 10:00	KC	17L2103	10		QC

FR 2.22.18

SAMPLE DATA – MODIFIED EPA METHOD 537

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-98.qld

Last Altered: Wednesday, February 28, 2018 17:31:04 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:34:03 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_98, Date: 25-Feb-2018, Time: 06:57:33, ID: B8B0111-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.18e3	0.125		2.60				
2	5	PFHxA	313.2 > 268.9		2.38e3	0.125		3.19				
3	7	PFHpA	363.0 > 318.9		6.39e3	0.125		3.81				
4	8	L-PFHxS	398.9 > 79.6	1.53e0	8.54e2	0.125		4.17	3.93	0.0225	0.5058	
5	11	L-PFOA	413 > 368.7	1.19e2	8.80e3	0.125		4.40	4.30	0.169	1.3168	
6	14	PFNA	463.0 > 418.8		7.39e3	0.125		4.76				
7	16	L-PFOS	499 > 79.9		2.57e3	0.125		4.95				
8	18	PFDA	513 > 468.8		7.20e3	0.125		5.14				
9	21	N-MeFOSAA	570.1 > 419		2.54e3	0.125		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.38e3	0.125		5.45				
11	23	PFUdA	563.0 > 518.9		9.15e3	0.125		5.46				

GM 2/28/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-98.qld

Last Altered: Wednesday, February 28, 2018 17:31:04 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:34:11 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_98, Date: 25-Feb-2018, Time: 06:57:33, ID: B8B0111-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		8.66e3	0.125		5.74				
2	27	PFTrDA	662.9 > 618.9		8.66e3	0.125		5.98				
3	28	PFTeDA	712.9 > 668.8		5.14e3	0.125		6.20				
4	36	13C3-PFBS	302. > 98.8	1.18e3	8.42e3	0.125	0.116	2.69	2.67	1.75	120.4037	120.4
5	37	13C2-PFHxA	315 > 269.8	2.38e3	8.42e3	0.125	0.732	3.19	3.17	3.53	38.5885	96.5
6	38	13C4-PFHpA	367.2 > 321.8	6.39e3	8.42e3	0.125	0.717	3.81	3.78	9.49	105.9205	105.9
7	39	18O2-PFHxS	403.0 > 102.6	8.54e2	2.78e3	0.125	0.368	3.96	3.93	3.85	83.7054	83.7
8	40	13C2-PFOA	414.9 > 369.7	8.80e3	8.01e3	0.125	1.311	4.33	4.30	13.7	83.7966	83.8
9	41	13C5-PFNA	468.2 > 422.9	7.39e3	8.86e3	0.125	0.974	4.76	4.74	10.4	85.5102	85.5
10	42	13C8-PFOSA	506.1 > 77.7	1.20e3	1.17e4	0.125	0.187	4.83	4.80	1.28	54.6362	54.6
11	43	13C8-PFOS	507.0 > 79.9	2.57e3	2.79e3	0.125	1.075	4.84	4.82	11.5	85.5312	85.5
12	44	13C2-PFDA	515.1 > 469.9	7.20e3	8.79e3	0.125	1.019	5.14	5.11	10.2	80.4270	80.4
13	45	d3-N-MeFOSAA	573.3 > 419	2.54e3	1.17e4	0.125	0.325	5.29	5.26	2.71	66.7259	66.7
14	46	d5-N-EtFOSAA	589.3 > 419	3.38e3	1.17e4	0.125	0.345	5.45	5.41	3.61	83.7138	83.7
15	47	13C2-PFUdA	565 > 519.8	9.15e3	1.17e4	0.125	1.071	5.46	5.43	9.77	72.9805	73.0
16	48	13C2-PFDoA	615.0 > 569.7	8.66e3	1.17e4	0.125	0.995	5.74	5.72	9.25	74.3522	74.4
17	49	d3-N-MeFOSA	515.2 > 168.9		1.17e4	0.125	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	5.14e3	1.17e4	0.125	0.551	6.20	6.18	5.48	79.5333	79.5
19	51	d5-N-ETFOSA	531.1 > 168.9		1.17e4	0.125	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	3.42e3	1.17e4	0.125	0.752	6.51	6.50	3.65	38.7998	97.0
21	53	d7-N-MeFOSE	623.1 > 58.9		1.17e4	0.125	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.17e4	0.125	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.43e3	8.43e3	0.125	1.000	1.46	1.44	12.5	100.0000	100.0
24	56	13C5-PFHxA	318 > 272.9	8.42e3	8.42e3	0.125	1.000	3.19	3.17	12.5	100.0000	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.78e3	2.78e3	0.125	1.000	3.96	3.93	12.5	100.0000	100.0
26	58	13C8-PFOA	421.3 > 376	8.01e3	8.01e3	0.125	1.000	4.33	4.30	12.5	100.0000	100.0
27	59	13C9-PFNA	472.2 > 426.9	8.86e3	8.86e3	0.125	1.000	4.70	4.74	12.5	100.0000	100.0
28	60	13C4-PFOS	503 > 79.9	2.79e3	2.79e3	0.125	1.000	4.84	4.82	12.5	100.0000	100.0
29	61	13C6-PFDA	519.1 > 473.7	8.79e3	8.79e3	0.125	1.000	5.14	5.11	12.5	100.0000	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.17e4	1.17e4	0.125	1.000	5.46	5.43	12.5	100.0000	100.0
31	63	Total PFHxS	398.9 > 79.6	1.53e0	8.54e2	0.125		3.85		0.0225	0.5058	
32	64	Total PFOA	413 > 368.7	1.19e2	8.80e3	0.125		4.21		0.169	1.3168	

GM 2/28/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-98.qld

Last Altered: Wednesday, February 28, 2018 17:31:04 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:34:11 Pacific Standard Time

Name: 180224M1_98, Date: 25-Feb-2018, Time: 06:57:33, ID: B8B0111-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.57e3	0.125		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	2.54e3	0.125		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.38e3	0.125		5.45		0.000		

GM 2/28/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-98.qld

Last Altered: Wednesday, February 28, 2018 17:31:04 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:34:11 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_98, Date: 25-Feb-2018, Time: 06:57:33, ID: B8B0111-BLK1 Method Blank 0.125, Description: Method Blank

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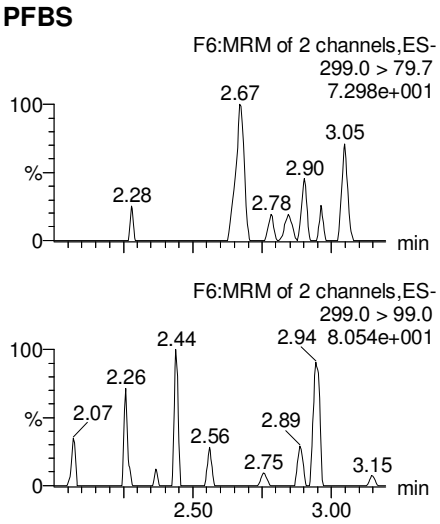
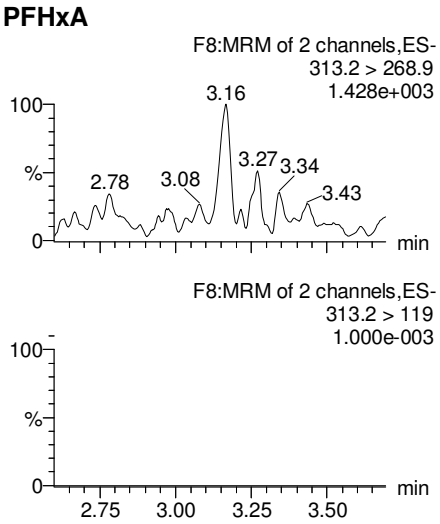
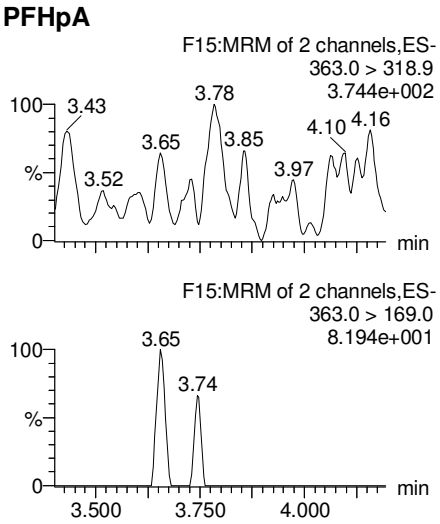


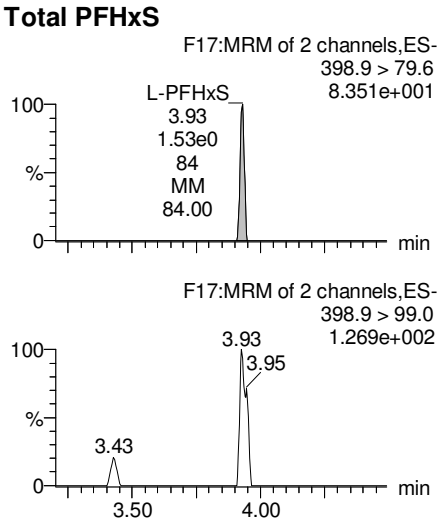
PFHxA



PFHpA



Total PFHxS



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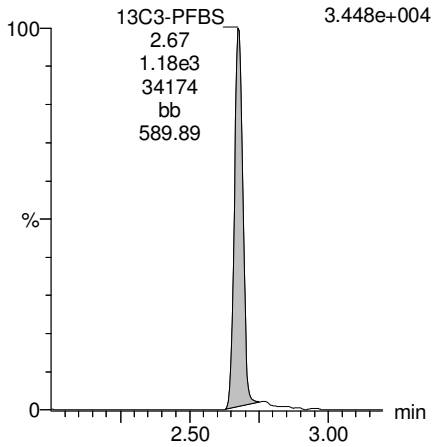

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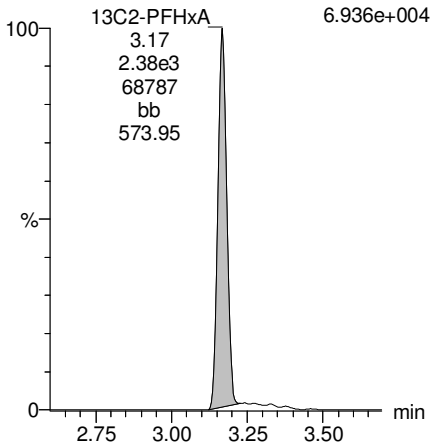

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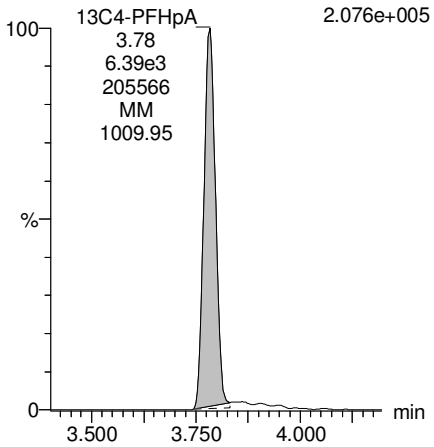

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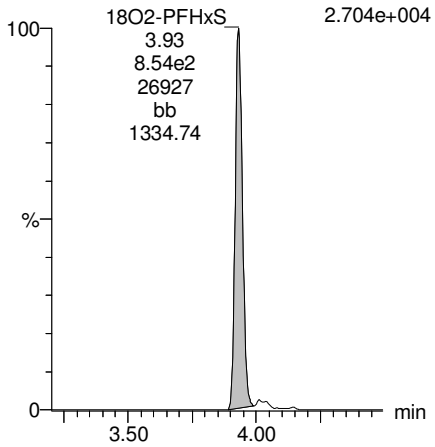

GM 2/28/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-98.qld

Last Altered: Wednesday, February 28, 2018 17:31:04 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:34:11 Pacific Standard Time

Name: 180224M1_98, Date: 25-Feb-2018, Time: 06:57:33, ID: B8B0111-BLK1 Method Blank 0.125, Description: Method Blank

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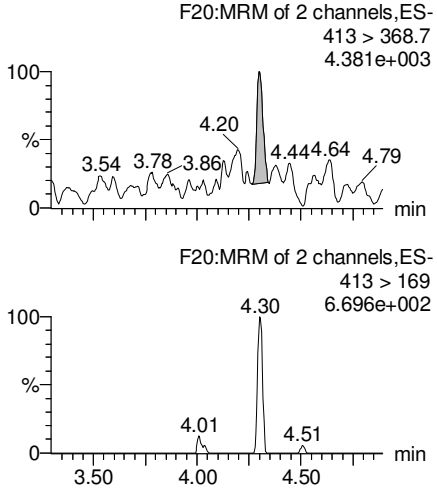

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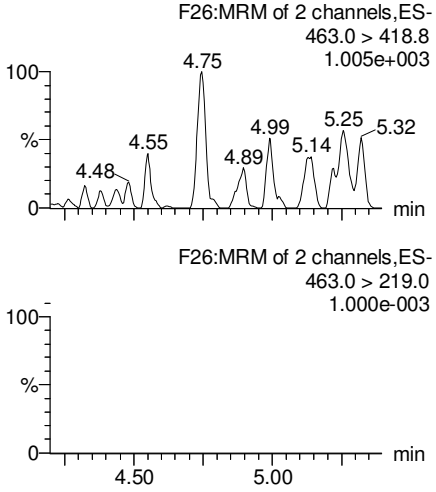
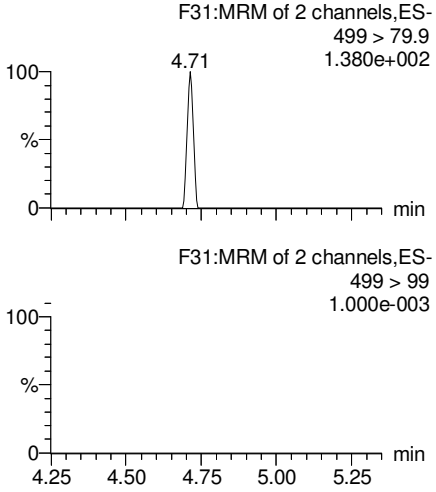


Total PFOS



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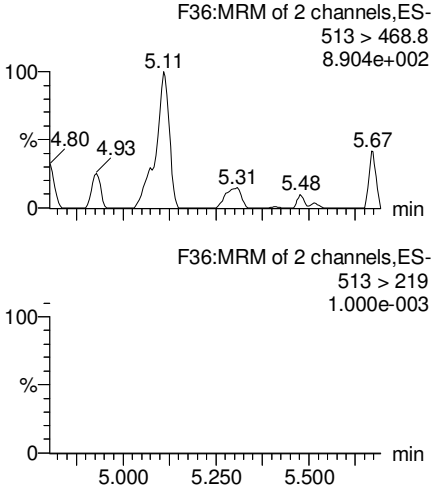

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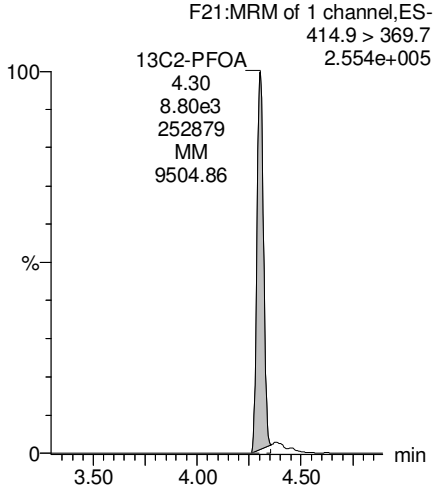

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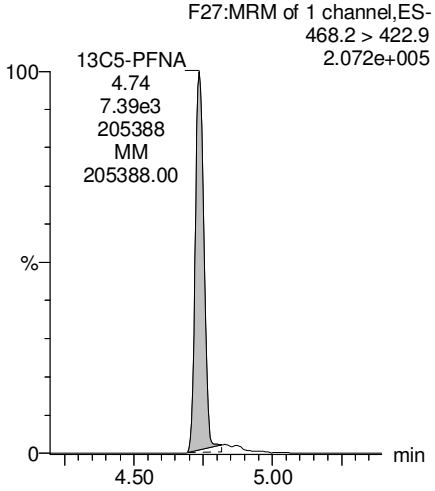
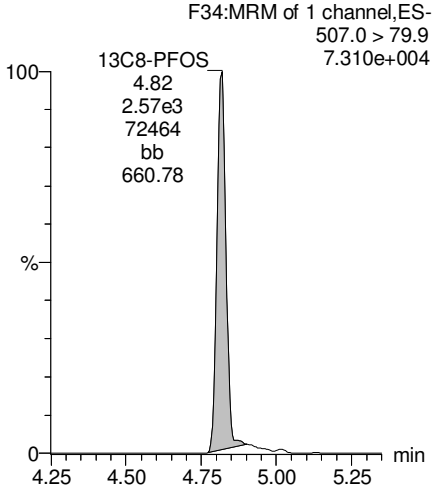
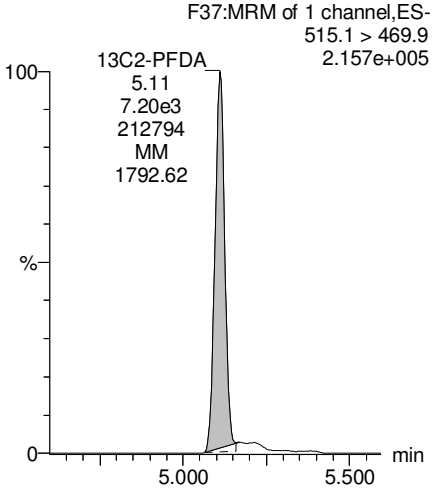


13C8-PFOS



13C2-PFDA



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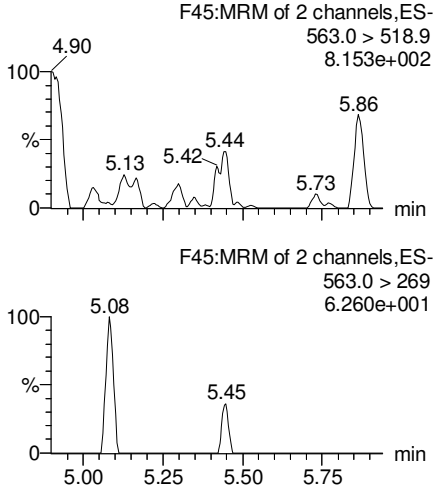
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-98.qld

Last Altered: Wednesday, February 28, 2018 17:31:04 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:34:11 Pacific Standard Time

Name: 180224M1_98, Date: 25-Feb-2018, Time: 06:57:33, ID: B8B0111-BLK1 Method Blank 0.125, Description: Method Blank

PFUdA



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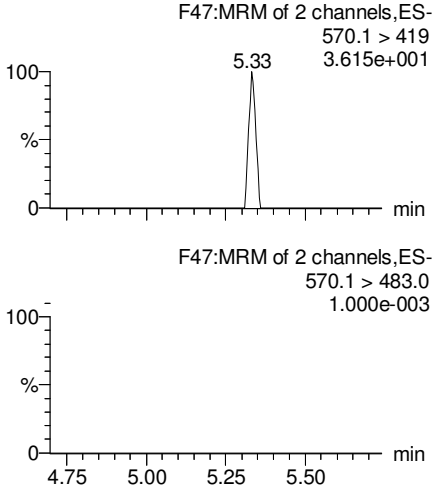

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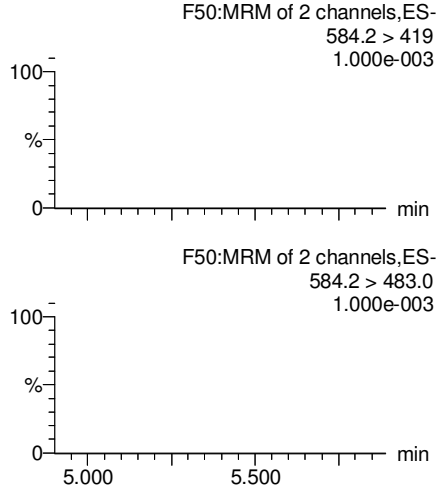
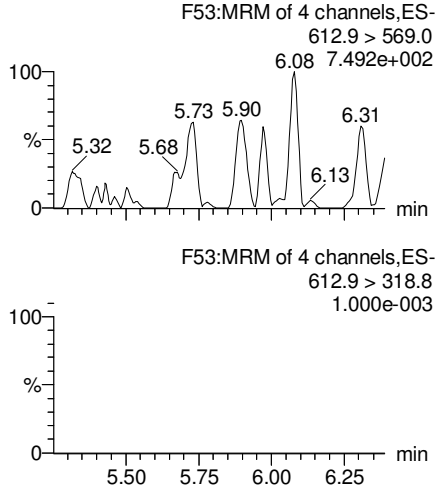


PFDoA



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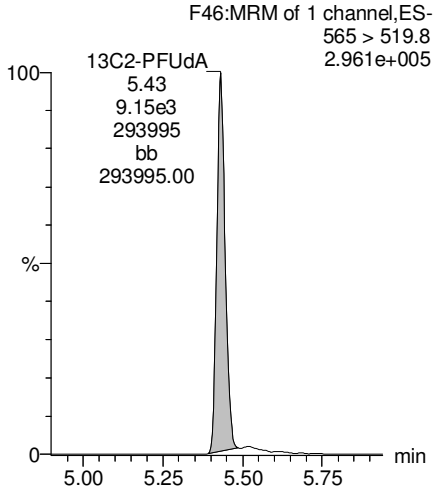

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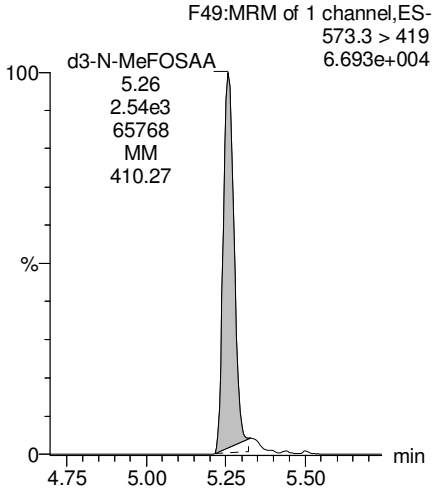

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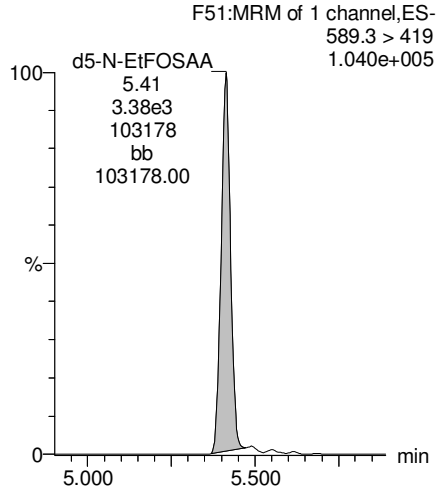

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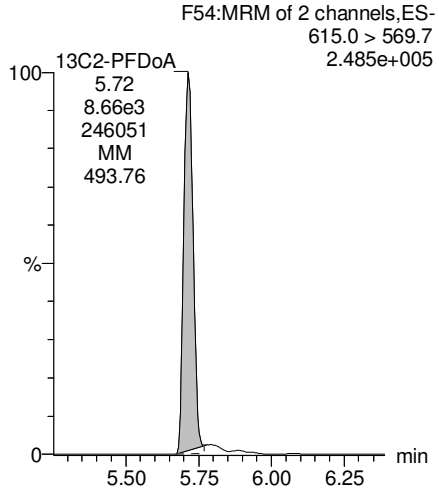

GM 2/28/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-98.qld

Last Altered: Wednesday, February 28, 2018 17:31:04 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:34:11 Pacific Standard Time

Name: 180224M1_98, Date: 25-Feb-2018, Time: 06:57:33, ID: B8B0111-BLK1 Method Blank 0.125, Description: Method Blank

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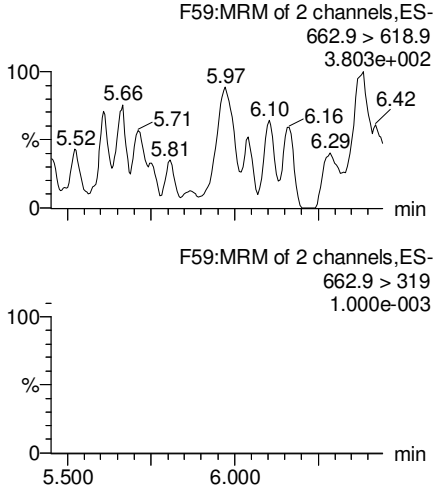

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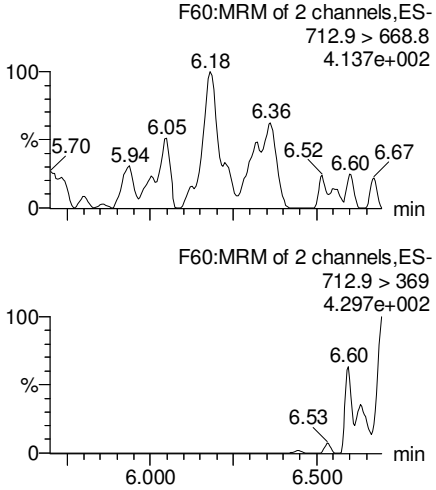

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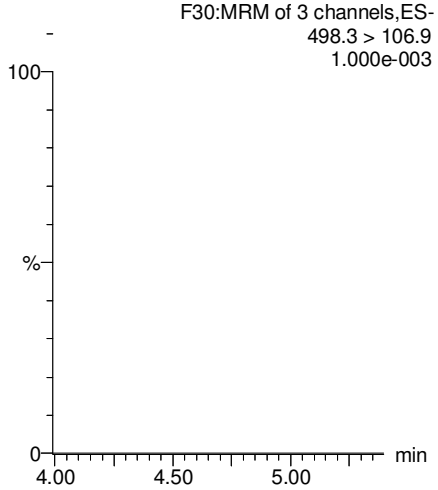

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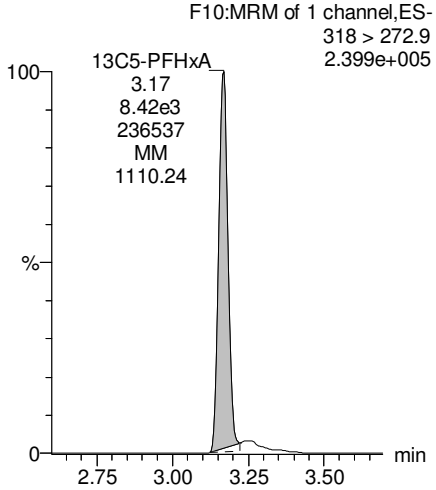

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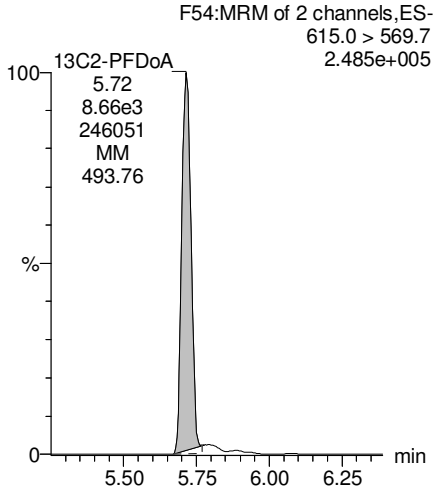

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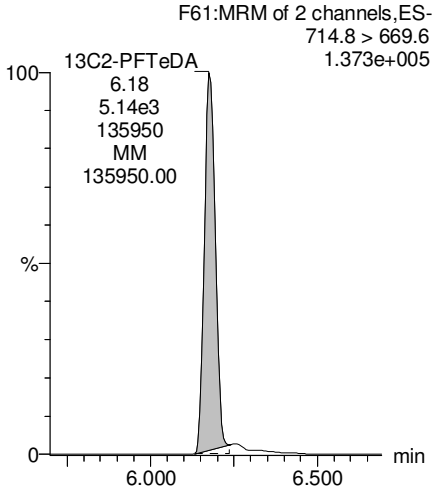

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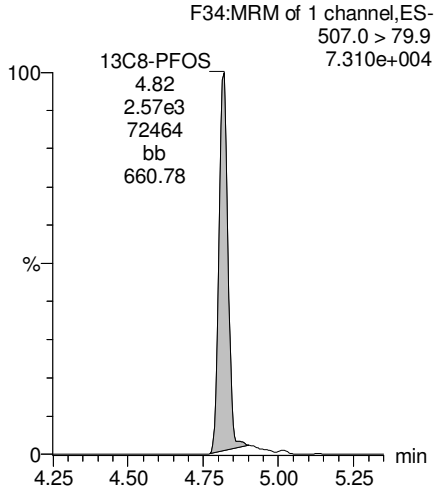

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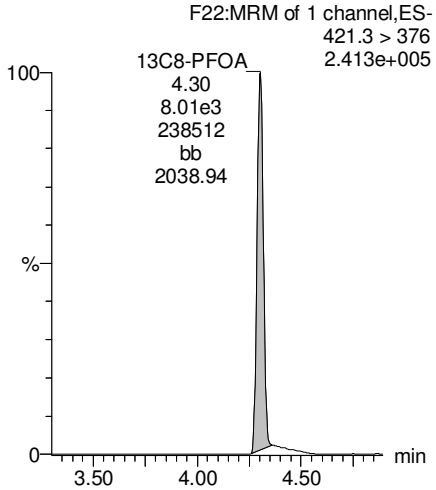

GM 2/28/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-98.qld

Last Altered: Wednesday, February 28, 2018 17:31:04 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:34:11 Pacific Standard Time

Name: 180224M1_98, Date: 25-Feb-2018, Time: 06:57:33, ID: B8B0111-BLK1 Method Blank 0.125, Description: Method Blank

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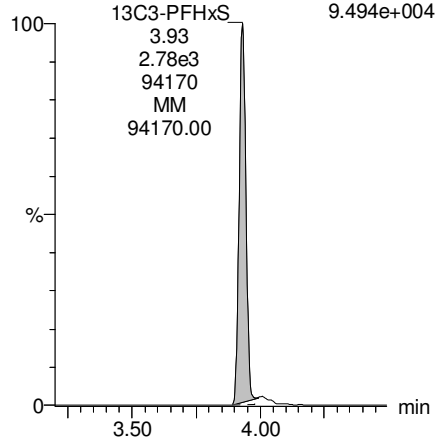

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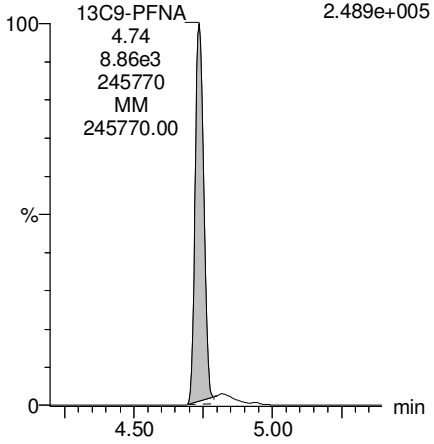

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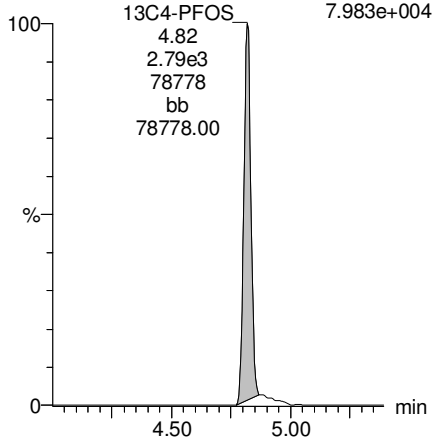
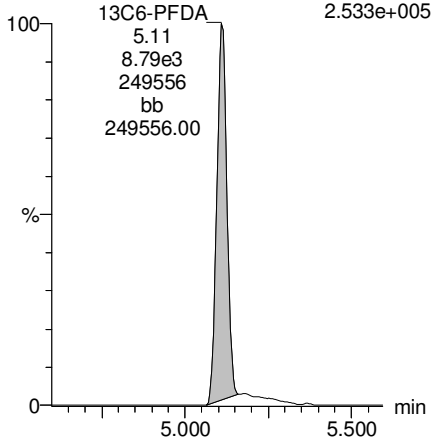


13C6-PFDA



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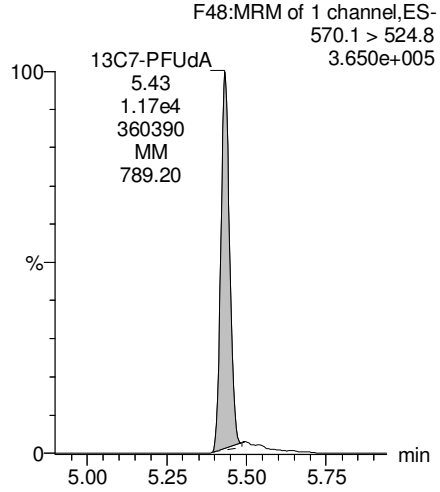

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-197.qld

Last Altered: Wednesday, February 28, 2018 17:27:09 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:27:40 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_97, Date: 25-Feb-2018, Time: 06:46:02, ID: B8B0111-BS1 OPR 0.125, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	1.78e3	1.25e3	0.125		2.60	2.68	17.8	76.7236	95.9
2	5	PFHxA	313.2 > 268.9	7.95e3	2.39e3	0.125		3.19	3.17	16.6	88.2870	110.4
3	7	PFHpA	363.0 > 318.9	6.66e3	6.00e3	0.125		3.81	3.79	13.9	84.9729	106.2
4	8	L-PFHxS	398.9 > 79.6	1.38e3	8.70e2	0.125		4.17	3.93	19.9	86.3302	107.9
5	11	L-PFOA	413 > 368.7	8.50e3	1.14e4	0.125		4.40	4.30	9.33	75.0868	93.9
6	14	PFNA	463.0 > 418.8	8.32e3	8.10e3	0.125		4.76	4.74	12.8	81.6924	102.1
7	16	L-PFOS	499 > 79.9	2.29e3	2.34e3	0.125		4.82	4.82	12.2	89.8345	112.3
8	18	PFDA	513 > 468.8	8.37e3	7.18e3	0.125		5.14	5.11	14.6	89.2188	111.5
9	21	N-MeFOSAA	570.1 > 419	3.92e3	2.76e3	0.125		5.29	5.26	17.8	97.9382	122.4
10	22	N-EtFOSAA	584.2 > 419	2.89e3	3.63e3	0.125		5.45	5.42	9.97	77.7512	97.2
11	23	PFUdA	563.0 > 518.9	7.01e3	7.90e3	0.125		5.46	5.43	11.1	89.3133	111.6

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-197.qld

Last Altered: Wednesday, February 28, 2018 17:27:09 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:27:48 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_97, Date: 25-Feb-2018, Time: 06:46:02, ID: B8B0111-BS1 OPR 0.125, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0	7.77e3	8.07e3	0.125		5.74	5.71	12.0	77.9161	97.4
2	27	PFTrDA	662.9 > 618.9	9.69e3	8.07e3	0.125		5.98	5.96	15.0	91.0612	113.8
3	28	PFTeDA	712.9 > 668.8	8.98e3	4.69e3	0.125		6.20	6.18	23.9	99.2711	124.1
4	36	13C3-PFBS	302. > 98.8	1.25e3	9.20e3	0.125	0.116	2.69	2.68	1.70	116.9258	116.9
5	37	13C2-PFHxA	315 > 269.8	2.39e3	9.20e3	0.125	0.732	3.19	3.17	3.25	35.4561	88.6
6	38	13C4-PFHpA	367.2 > 321.8	6.00e3	9.20e3	0.125	0.717	3.81	3.79	8.15	90.9681	91.0
7	39	18O2-PFHxS	403.0 > 102.6	8.70e2	2.59e3	0.125	0.368	3.96	3.93	4.20	91.3273	91.3
8	40	13C2-PFOA	414.9 > 369.7	1.14e4	9.78e3	0.125	1.311	4.33	4.30	14.6	88.8520	88.9
9	41	13C5-PFNA	468.2 > 422.9	8.10e3	1.06e4	0.125	0.974	4.76	4.74	9.53	78.2524	78.3
10	42	13C8-PFOSA	506.1 > 77.7	1.22e3	1.40e4	0.125	0.187	4.83	4.80	1.08	46.2822	46.3
11	43	13C8-PFOS	507.0 > 79.9	2.34e3	2.85e3	0.125	1.075	4.84	4.82	10.2	76.2840	76.3
12	44	13C2-PFDA	515.1 > 469.9	7.18e3	9.84e3	0.125	1.019	5.14	5.11	9.12	71.5879	71.6
13	45	d3-N-MeFOSAA	573.3 > 419	2.76e3	1.40e4	0.125	0.325	5.29	5.26	2.46	60.4799	60.5
14	46	d5-N-EtFOSAA	589.3 > 419	3.63e3	1.40e4	0.125	0.345	5.45	5.41	3.23	74.9609	75.0
15	47	13C2-PFUdA	565 > 519.8	7.90e3	1.40e4	0.125	1.071	5.46	5.43	7.04	52.6017	52.6
16	48	13C2-PFDoA	615.0 > 569.7	8.07e3	1.40e4	0.125	0.995	5.74	5.71	7.19	57.8180	57.8
17	49	d3-N-MeFOSA	515.2 > 168.9		1.40e4	0.125	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	4.69e3	1.40e4	0.125	0.551	6.20	6.18	4.18	60.6508	60.7
19	51	d5-N-ETFOSA	531.1 > 168.9		1.40e4	0.125	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	3.30e3	1.40e4	0.125	0.752	6.51	6.50	2.94	31.3431	78.4
21	53	d7-N-MeFOSE	623.1 > 58.9		1.40e4	0.125	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.40e4	0.125	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.39e3	8.39e3	0.125	1.000	1.46	1.44	12.5	100.0000	100.0
24	56	13C5-PFHxA	318 > 272.9	9.20e3	9.20e3	0.125	1.000	3.19	3.17	12.5	100.0000	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.59e3	2.59e3	0.125	1.000	3.96	3.93	12.5	100.0000	100.0
26	58	13C8-PFOA	421.3 > 376	9.78e3	9.78e3	0.125	1.000	4.33	4.30	12.5	100.0000	100.0
27	59	13C9-PFNA	472.2 > 426.9	1.06e4	1.06e4	0.125	1.000	4.70	4.74	12.5	100.0000	100.0
28	60	13C4-PFOS	503 > 79.9	2.85e3	2.85e3	0.125	1.000	4.84	4.82	12.5	100.0000	100.0
29	61	13C6-PFDA	519.1 > 473.7	9.84e3	9.84e3	0.125	1.000	5.14	5.11	12.5	100.0000	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.40e4	1.40e4	0.125	1.000	5.46	5.43	12.5	100.0000	100.0
31	63	Total PFHxS	398.9 > 79.6	1.38e3	8.70e2	0.125		3.85		19.9	86.3302	
32	64	Total PFOA	413 > 368.7	8.50e3	1.14e4	0.125		4.21		9.33	75.0868	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-197.qld

Last Altered: Wednesday, February 28, 2018 17:27:09 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:27:48 Pacific Standard Time

Name: 180224M1_97, Date: 25-Feb-2018, Time: 06:46:02, ID: B8B0111-BS1 OPR 0.125, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	2.29e3	2.34e3	0.125		4.73		12.2	89.8345	
34	66	Total N-MeFOSAA	570.1 > 419	3.92e3	2.76e3	0.125		5.29		17.8	97.9382	
35	67	Total N-EtFOSAA	584.2 > 419	2.89e3	3.63e3	0.125		5.45		9.97	77.7512	

GM 2/28/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-197.qld

Last Altered: Wednesday, February 28, 2018 17:27:09 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:27:48 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_97, Date: 25-Feb-2018, Time: 06:46:02, ID: B8B0111-BS1 OPR 0.125, Description: OPR

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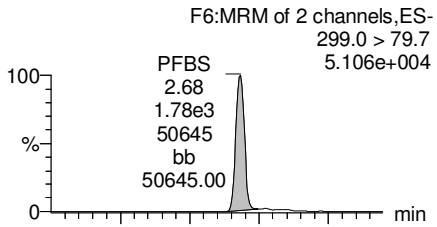

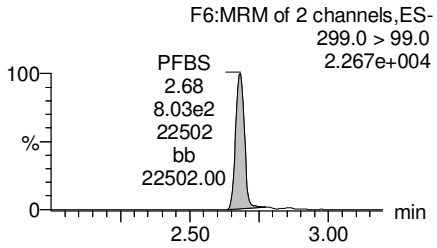

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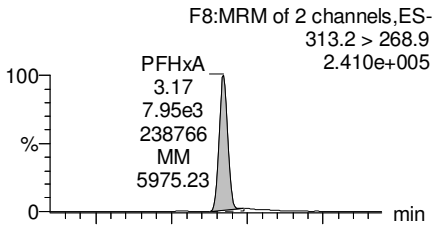
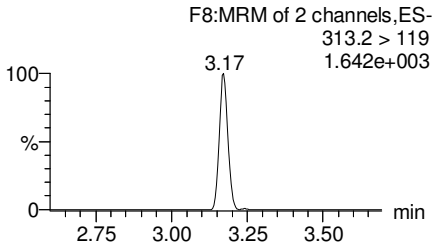
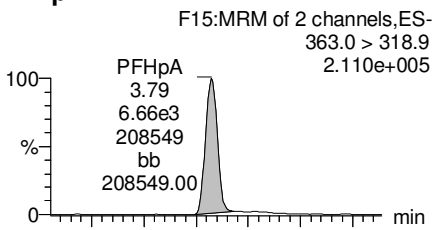
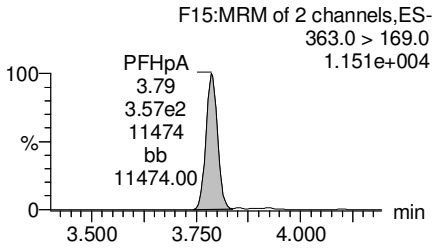


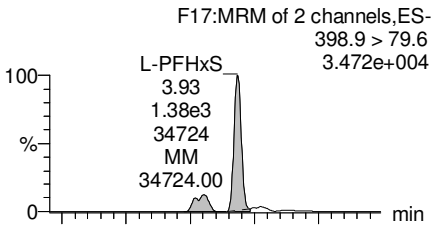


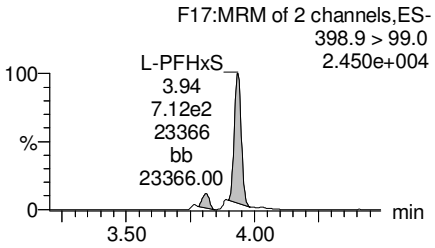
PFHpA



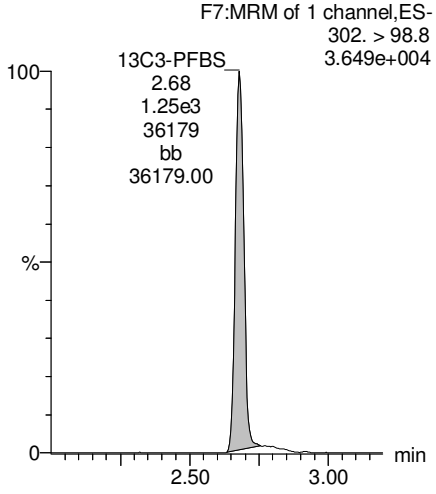


Total PFHxS

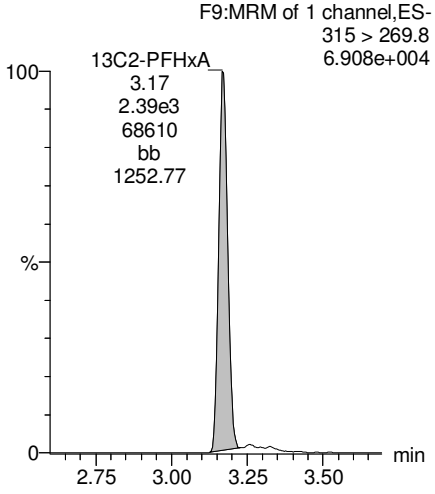




13C3-PFBS



13C2-PFHxA



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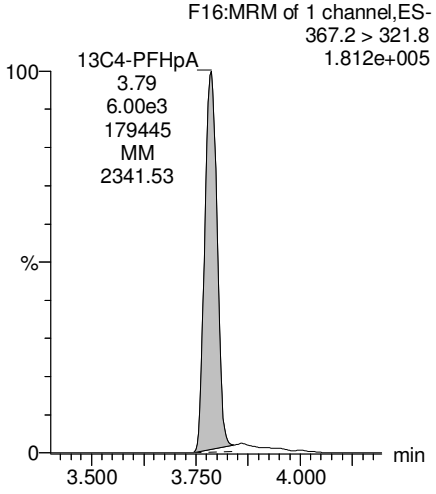
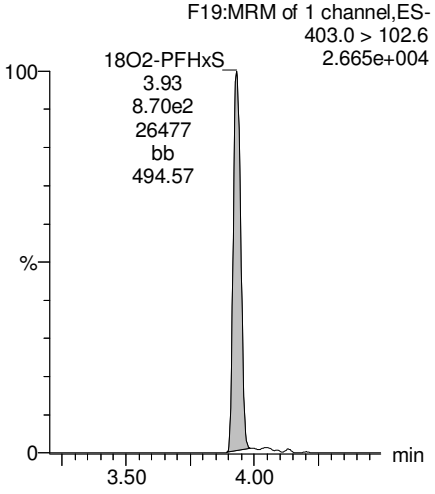


18O2-PFHxS



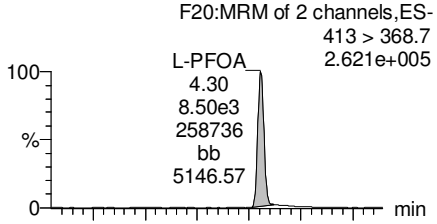
GM 2/28/2018

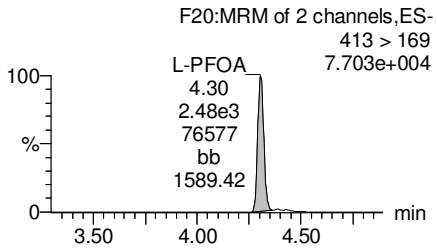
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-197.qld

Last Altered: Wednesday, February 28, 2018 17:27:09 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:27:48 Pacific Standard Time

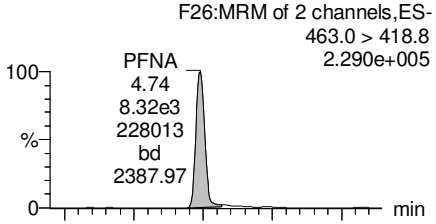
Name: 180224M1_97, Date: 25-Feb-2018, Time: 06:46:02, ID: B8B0111-BS1 OPR 0.125, Description: OPR

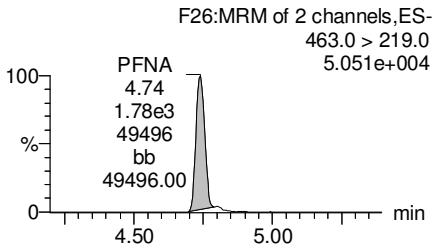
Total PFOA



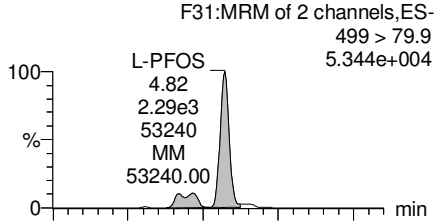


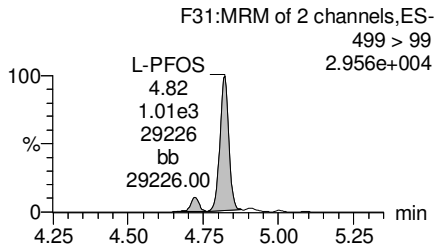
PFNA



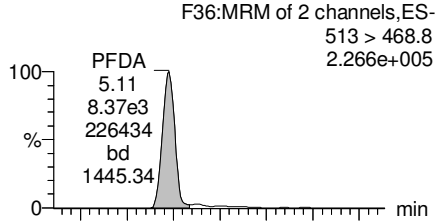


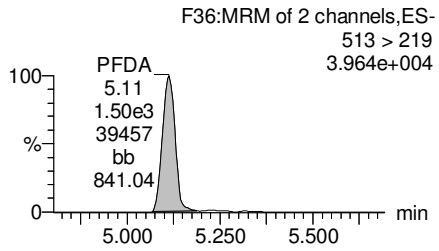
Total PFOS



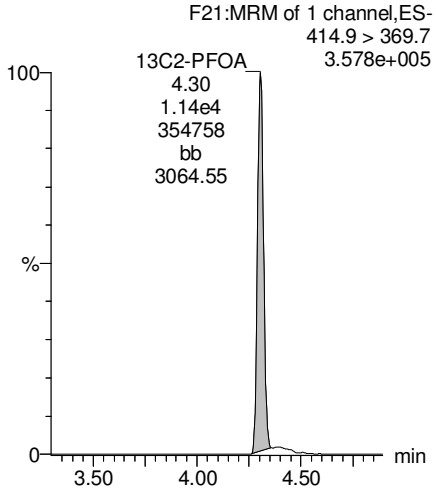


PFDA

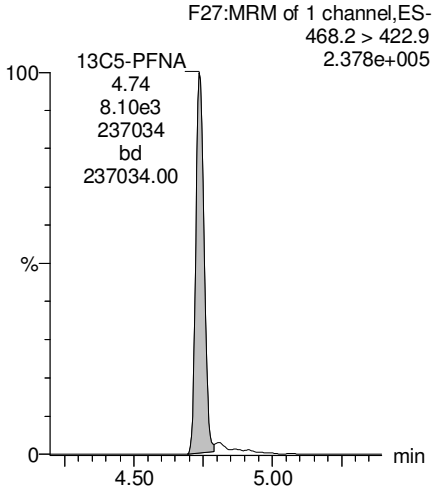




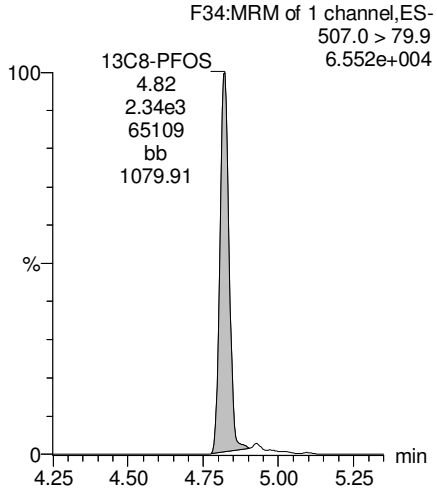
13C2-PFOA



13C5-PFNA



13C8-PFOS



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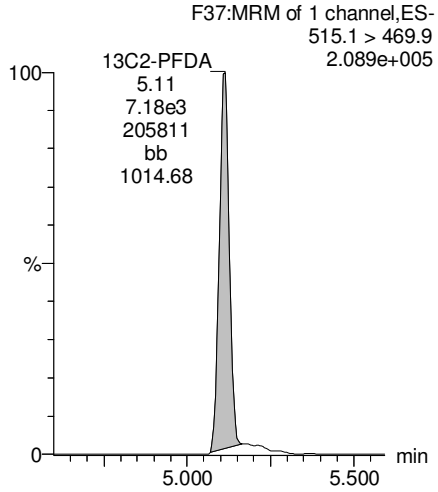


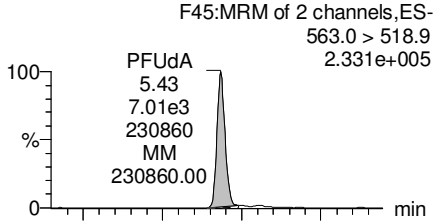
GM 2/28/2018

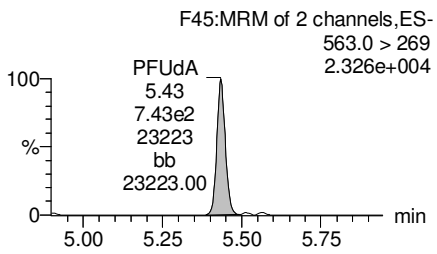
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-197.qld

Last Altered: Wednesday, February 28, 2018 17:27:09 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:27:48 Pacific Standard Time

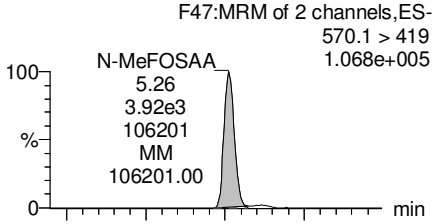
Name: 180224M1_97, Date: 25-Feb-2018, Time: 06:46:02, ID: B8B0111-BS1 OPR 0.125, Description: OPR

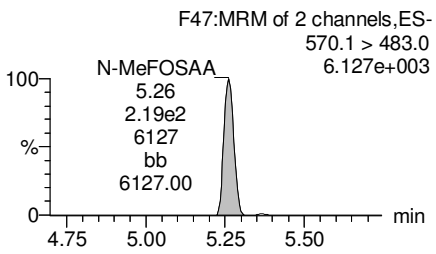
PFUdA



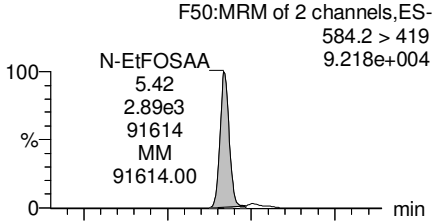


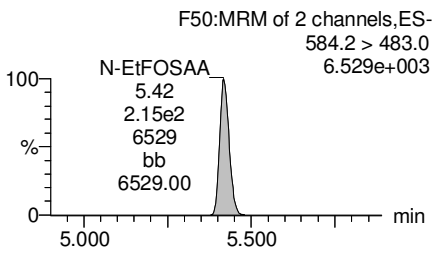
N-MeFOSAA



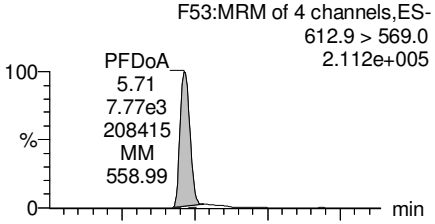


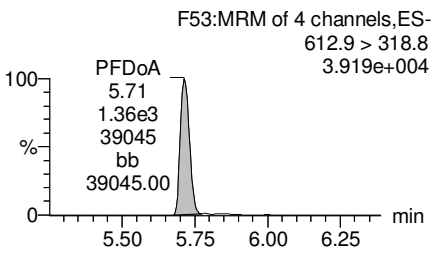
N-EtFOSAA



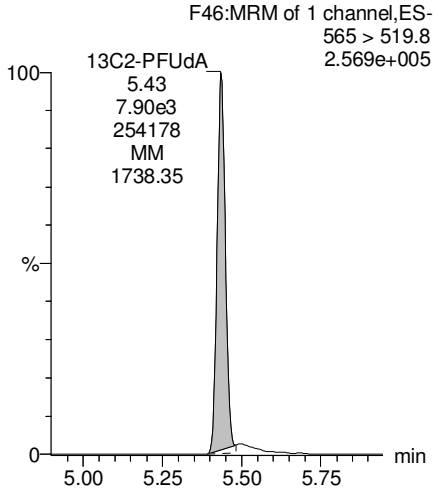


PFDoA

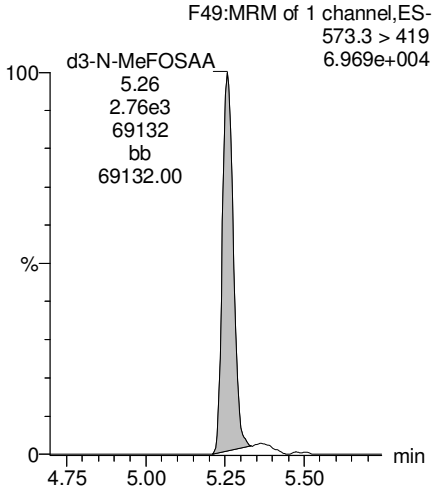




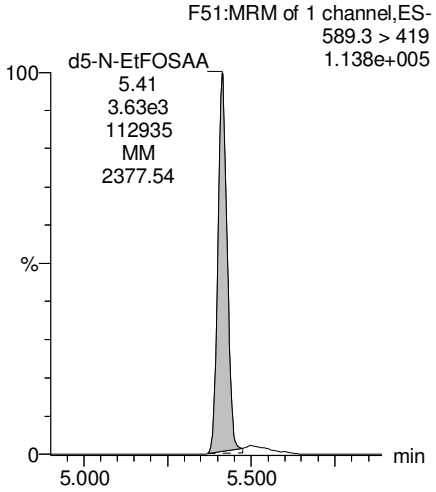
13C2-PFUdA



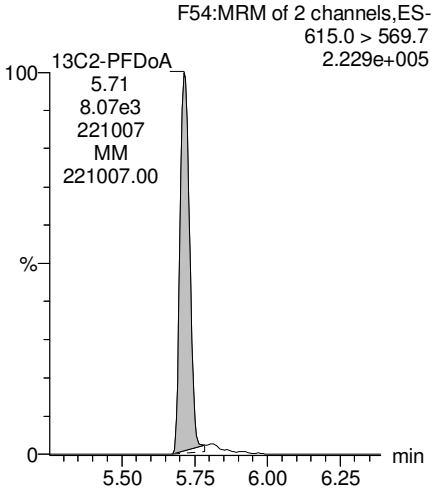
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



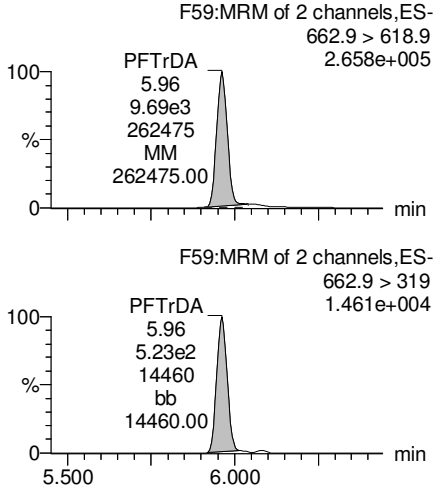
GM 2/28/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-197.qld

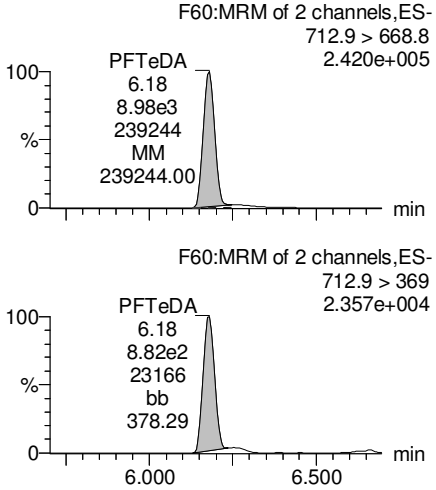
Last Altered: Wednesday, February 28, 2018 17:27:09 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:27:48 Pacific Standard Time

Name: 180224M1_97, Date: 25-Feb-2018, Time: 06:46:02, ID: B8B0111-BS1 OPR 0.125, Description: OPR

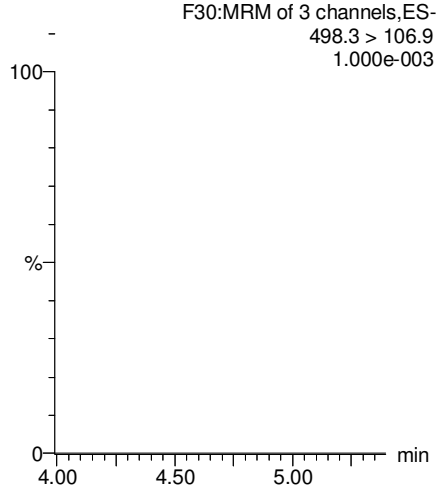
PFTrDA



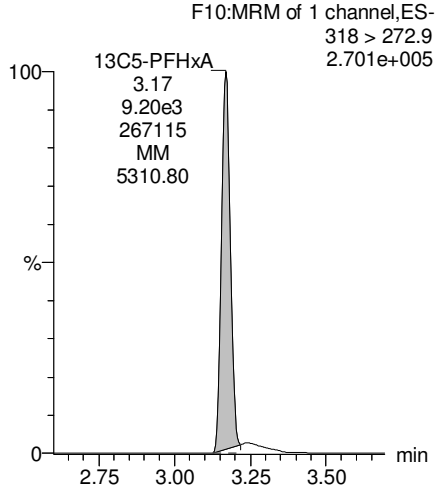
PFTeDA



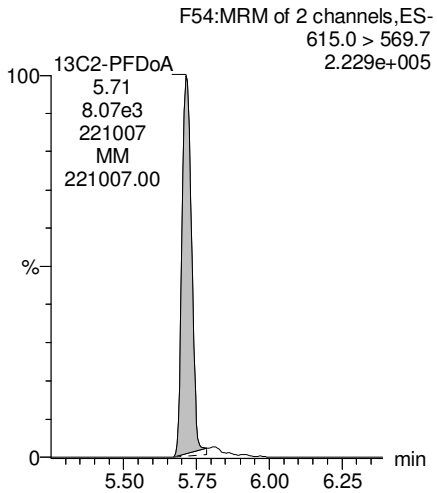
TCDA



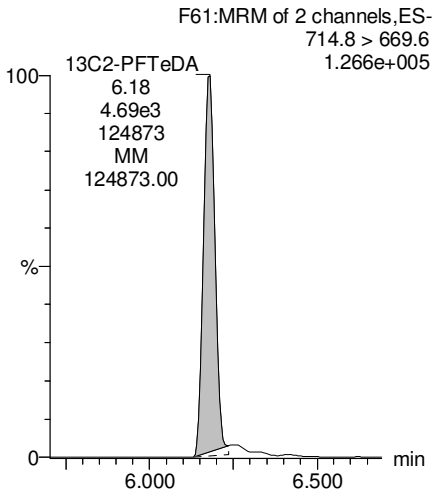
13C5-PFHxA



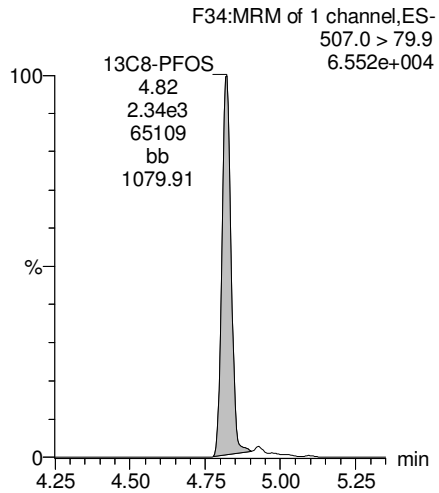
13C2-PFDoA



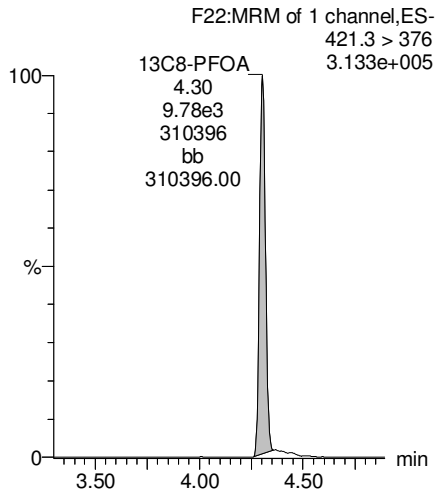
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



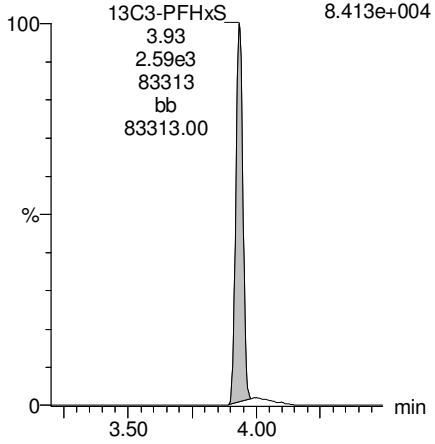
GM 2/28/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-197.qld

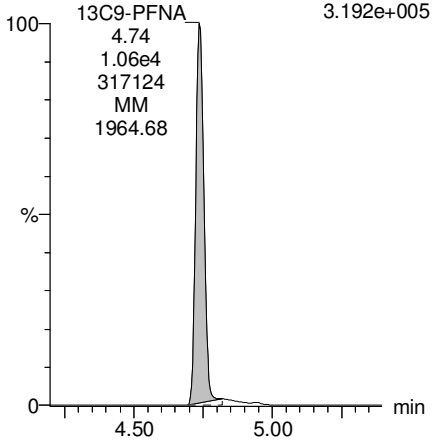
Last Altered: Wednesday, February 28, 2018 17:27:09 Pacific Standard Time
Printed: Wednesday, February 28, 2018 17:27:48 Pacific Standard Time

Name: 180224M1_97, Date: 25-Feb-2018, Time: 06:46:02, ID: B8B0111-BS1 OPR 0.125, Description: OPR

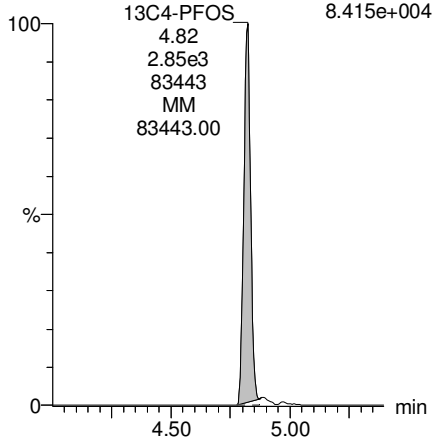
13C3-PFHxS



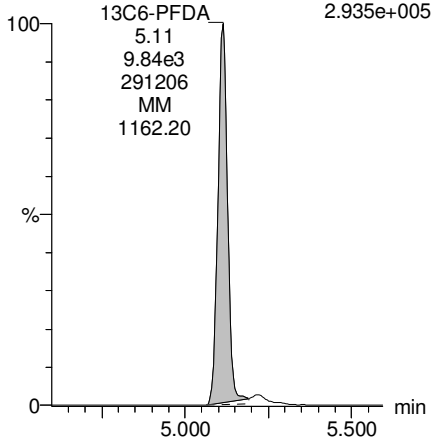
13C9-PFNA



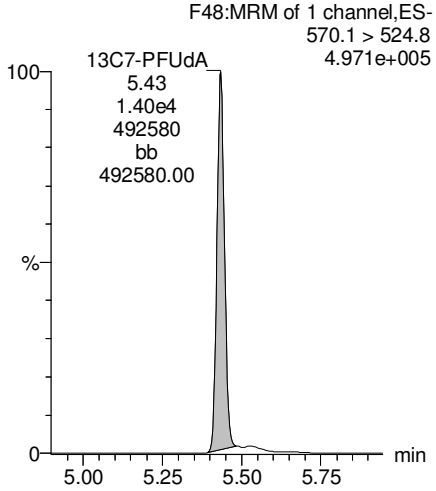
13C4-PFOS



13C6-PFDA



13C7-PFUdA



GM 2/28/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-101.qld

Last Altered: Thursday, March 01, 2018 09:16:21 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:16:59 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_101, Date: 25-Feb-2018, Time: 07:31:56, ID: 1800308-01 OF-RW55-0218 0.11519, Description: OF-RW55-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.08e3	0.115		2.60				
2	5	PFHxA	313.2 > 268.9		2.35e3	0.115		3.19				
3	7	PFHpA	363.0 > 318.9		5.80e3	0.115		3.81				
4	8	L-PFHxS	398.9 > 79.6		9.40e2	0.115		4.17				
5	11	L-PFOA	413 > 368.7	8.93e1	9.43e3	0.115		4.40	4.30	0.118	0.9901	
6	14	PFNA	463.0 > 418.8		6.54e3	0.115		4.76				
7	16	L-PFOS	499 > 79.9		2.39e3	0.115		4.95				
8	18	PFDA	513 > 468.8		8.49e3	0.115		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.58e3	0.115		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.99e3	0.115		5.45				
11	23	PFUdA	563.0 > 518.9		9.10e3	0.115		5.46				

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-101.qld

Last Altered: Thursday, March 01, 2018 09:16:21 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:17:07 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_101, Date: 25-Feb-2018, Time: 07:31:56, ID: 1800308-01 OF-RW55-0218 0.11519, Description: OF-RW55-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		9.63e3	0.115		5.74				
2	27	PFTrDA	662.9 > 618.9		9.63e3	0.115		5.98				
3	28	PFTeDA	712.9 > 668.8		5.53e3	0.115		6.20				
4	36	13C3-PFBS	302. > 98.8	1.08e3	1.01e4	0.115	0.116	2.69	2.67	1.34	100.4330	92.6
5	37	13C2-PFHxA	315 > 269.8	2.35e3	1.01e4	0.115	0.732	3.19	3.17	2.91	34.5455	79.6
6	38	13C4-PFHpA	367.2 > 321.8	5.80e3	1.01e4	0.115	0.717	3.81	3.78	7.18	86.8869	80.1
7	39	18O2-PFHxS	403.0 > 102.6	9.40e2	2.65e3	0.115	0.368	3.96	3.93	4.43	104.6445	96.4
8	40	13C2-PFOA	414.9 > 369.7	9.43e3	7.60e3	0.115	1.311	4.33	4.30	15.5	102.6973	94.6
9	41	13C5-PFNA	468.2 > 422.9	6.54e3	9.87e3	0.115	0.974	4.76	4.73	8.29	73.8242	68.0
10	42	13C8-PFOSA	506.1 > 77.7	1.76e3	1.09e4	0.115	0.187	4.83	4.80	2.02	93.4651	86.1
11	43	13C8-PFOS	507.0 > 79.9	2.39e3	2.86e3	0.115	1.075	4.84	4.82	10.4	84.3077	77.7
12	44	13C2-PFDA	515.1 > 469.9	8.49e3	8.89e3	0.115	1.019	5.14	5.11	11.9	101.7310	93.7
13	45	d3-N-MeFOSAA	573.3 > 419	3.58e3	1.09e4	0.115	0.325	5.29	5.25	4.10	109.5568	101.0
14	46	d5-N-EtFOSAA	589.3 > 419	3.99e3	1.09e4	0.115	0.345	5.45	5.41	4.57	114.9521	105.9
15	47	13C2-PFUdA	565 > 519.8	9.10e3	1.09e4	0.115	1.071	5.46	5.43	10.4	84.5154	77.9
16	48	13C2-PFDoA	615.0 > 569.7	9.63e3	1.09e4	0.115	0.995	5.74	5.72	11.0	96.3388	88.8
17	49	d3-N-MeFOSA	515.2 > 168.9		1.09e4	0.115	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	5.53e3	1.09e4	0.115	0.551	6.20	6.18	6.34	99.8079	92.0
19	51	d5-N-ETFOSA	531.1 > 168.9		1.09e4	0.115	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	3.38e3	1.09e4	0.115	0.752	6.51	6.50	3.87	44.7152	103.0
21	53	d7-N-MeFOSE	623.1 > 58.9		1.09e4	0.115	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.09e4	0.115	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.49e3	8.49e3	0.115	1.000	1.46	1.44	12.5	108.5164	100.0
24	56	13C5-PFHxA	318 > 272.9	1.01e4	1.01e4	0.115	1.000	3.19	3.16	12.5	108.5164	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.65e3	2.65e3	0.115	1.000	3.96	3.93	12.5	108.5164	100.0
26	58	13C8-PFOA	421.3 > 376	7.60e3	7.60e3	0.115	1.000	4.33	4.30	12.5	108.5164	100.0
27	59	13C9-PFNA	472.2 > 426.9	9.87e3	9.87e3	0.115	1.000	4.70	4.74	12.5	108.5164	100.0
28	60	13C4-PFOS	503 > 79.9	2.86e3	2.86e3	0.115	1.000	4.84	4.82	12.5	108.5164	100.0
29	61	13C6-PFDA	519.1 > 473.7	8.89e3	8.89e3	0.115	1.000	5.14	5.11	12.5	108.5164	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.09e4	1.09e4	0.115	1.000	5.46	5.43	12.5	108.5164	100.0
31	63	Total PFHxS	398.9 > 79.6	0.00e0	9.40e2	0.115		3.85		0.000		
32	64	Total PFOA	413 > 368.7	8.93e1	9.43e3	0.115		4.21		0.118	0.9901	

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-101.qld

Last Altered: Thursday, March 01, 2018 09:16:21 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:17:07 Pacific Standard Time

Name: 180224M1_101, Date: 25-Feb-2018, Time: 07:31:56, ID: 1800308-01 OF-RW55-0218 0.11519, Description: OF-RW55-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.39e3	0.115		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.58e3	0.115		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.99e3	0.115		5.45		0.000		

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-101.qld

Last Altered: Thursday, March 01, 2018 09:16:21 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:17:07 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_101, Date: 25-Feb-2018, Time: 07:31:56, ID: 1800308-01 OF-RW55-0218 0.11519, Description: OF-RW55-0218

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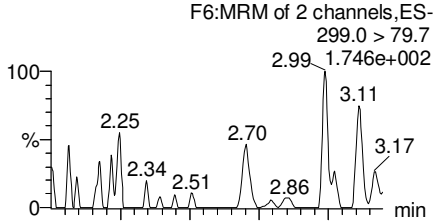

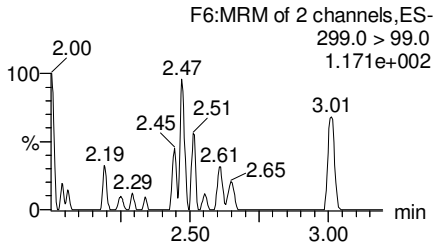

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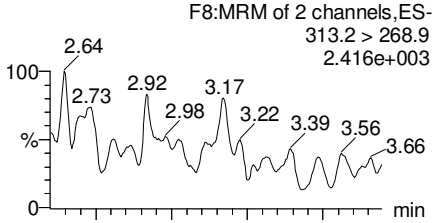

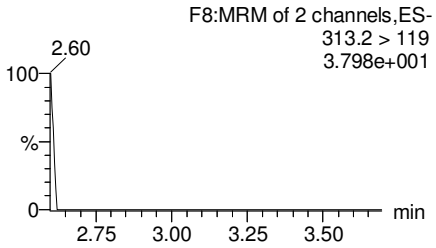

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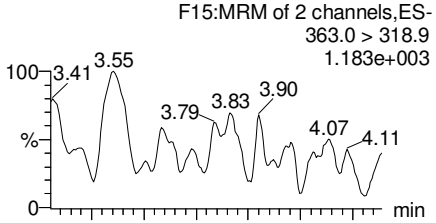

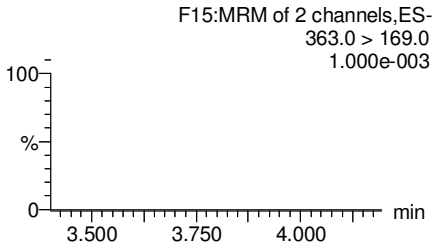

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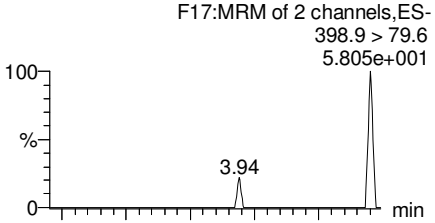

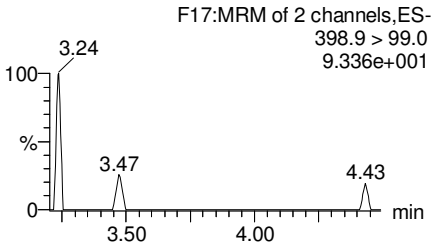

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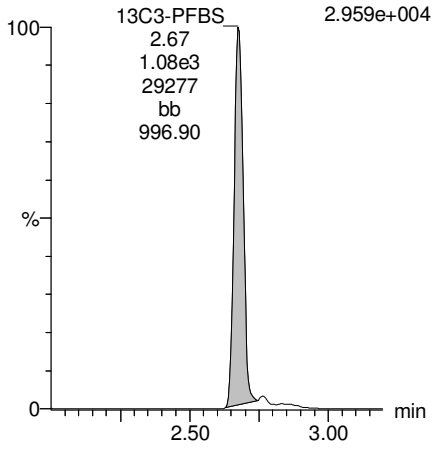

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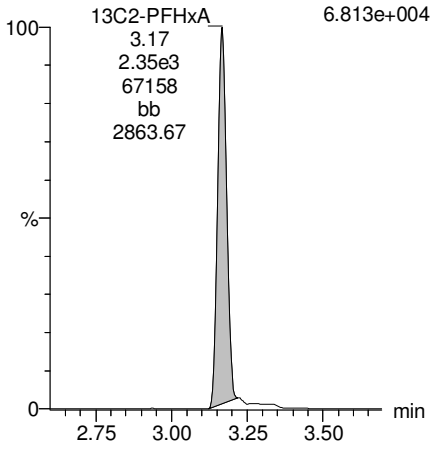

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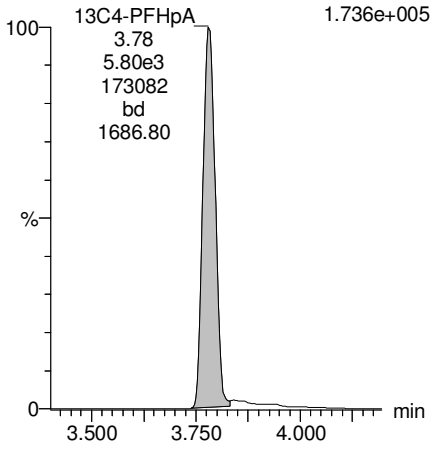

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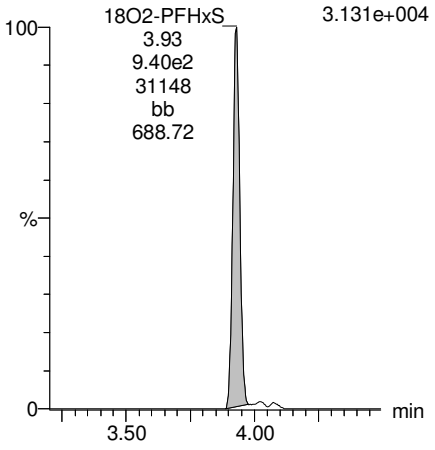


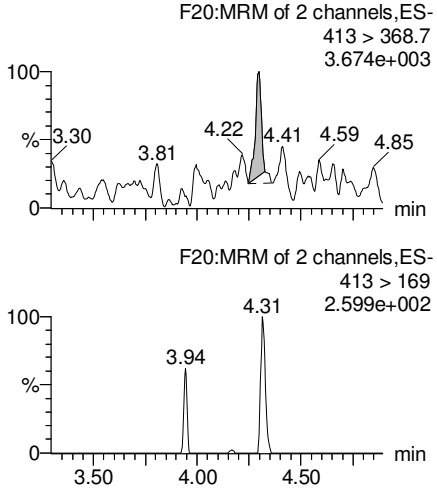
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-101.qld

Last Altered: Thursday, March 01, 2018 09:16:21 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:17:07 Pacific Standard Time

Name: 180224M1_101, Date: 25-Feb-2018, Time: 07:31:56, ID: 1800308-01 OF-RW55-0218 0.11519, Description: OF-RW55-0218

Total PFOA



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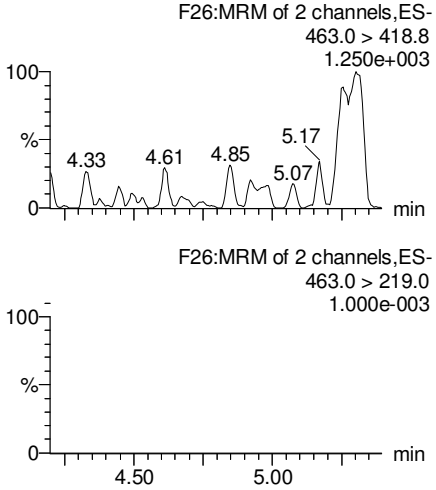
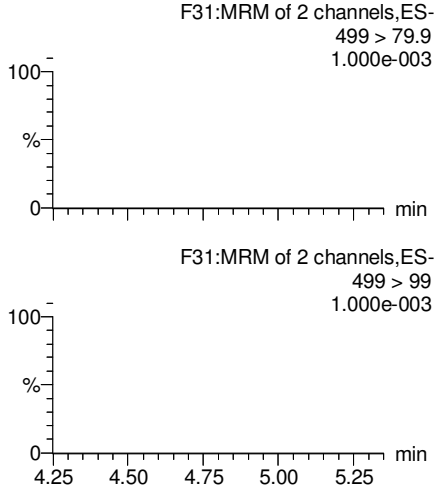


Total PFOS



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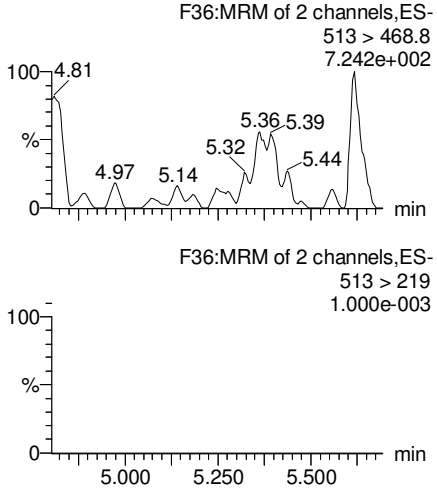

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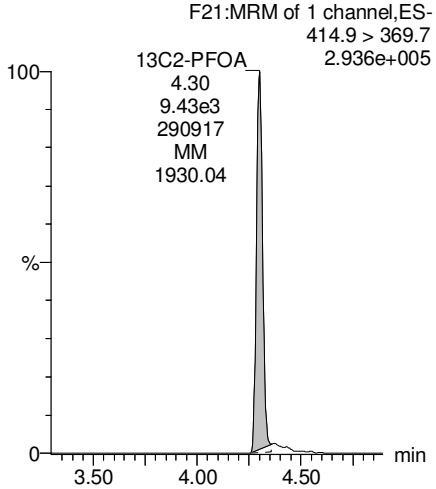

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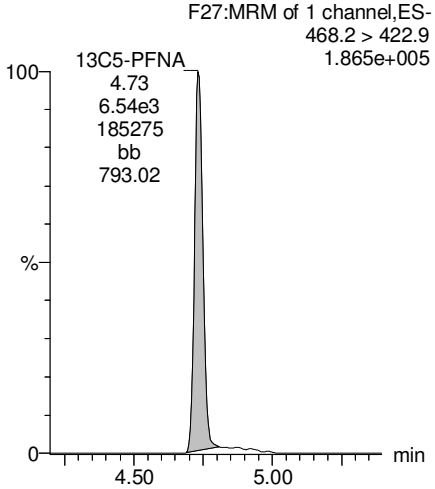

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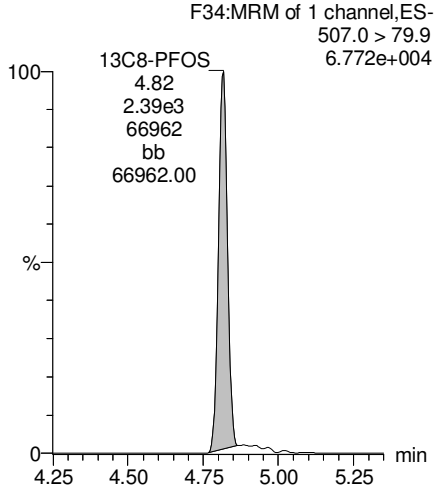

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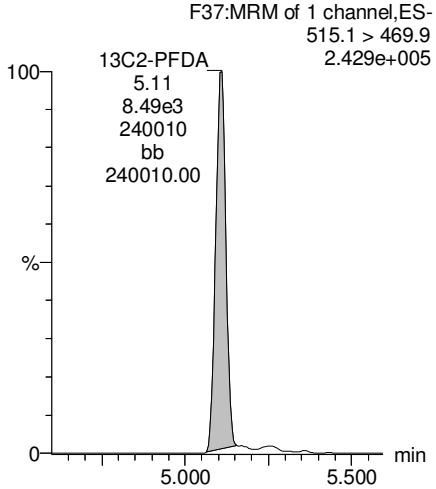

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Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-101.qld

Last Altered: Thursday, March 01, 2018 09:16:21 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:17:07 Pacific Standard Time

Name: 180224M1_101, Date: 25-Feb-2018, Time: 07:31:56, ID: 1800308-01 OF-RW55-0218 0.11519, Description: OF-RW55-0218

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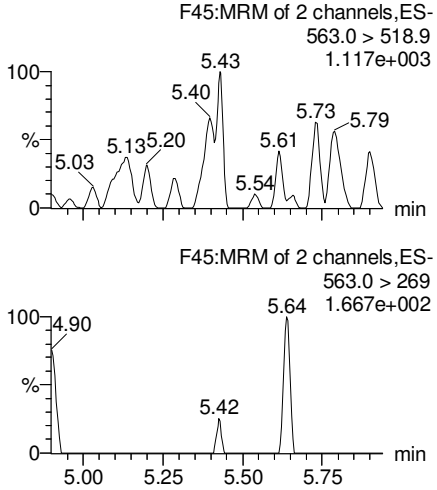

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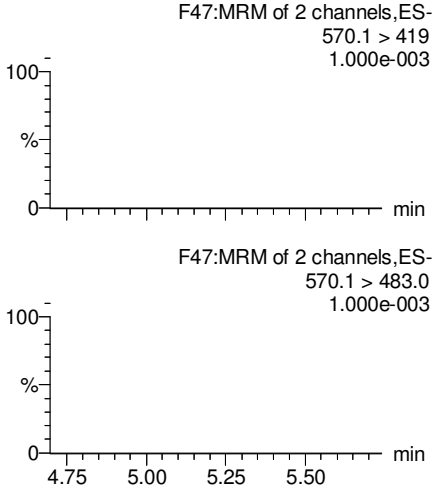

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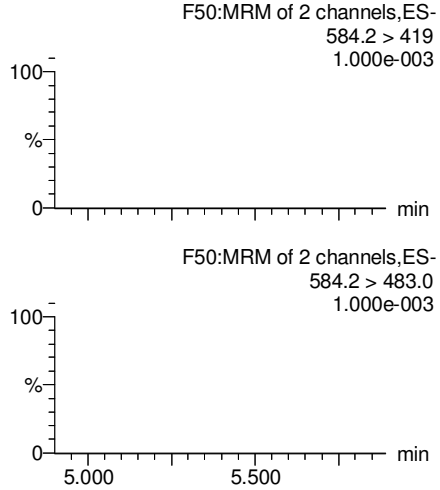
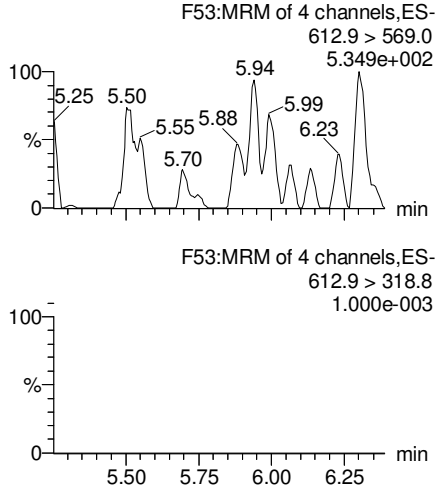


PFDoA



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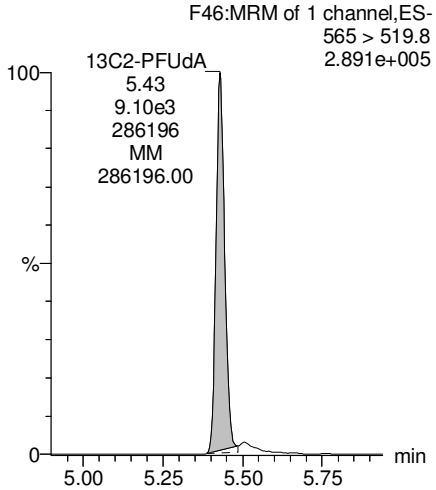

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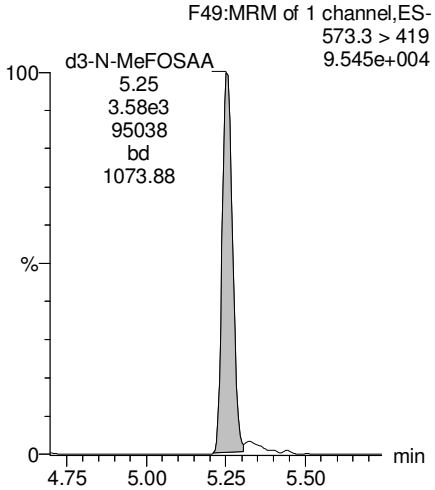

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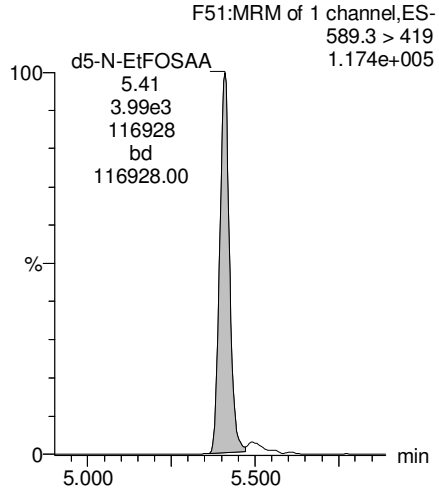

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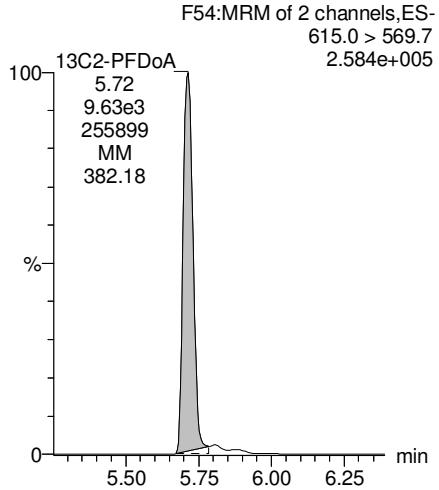

GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-101.qld

Last Altered: Thursday, March 01, 2018 09:16:21 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:17:07 Pacific Standard Time

Name: 180224M1_101, Date: 25-Feb-2018, Time: 07:31:56, ID: 1800308-01 OF-RW55-0218 0.11519, Description: OF-RW55-0218

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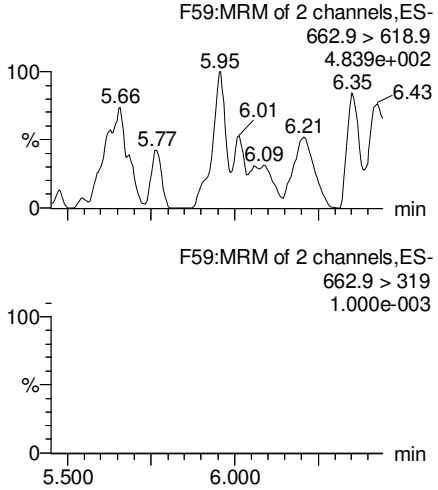

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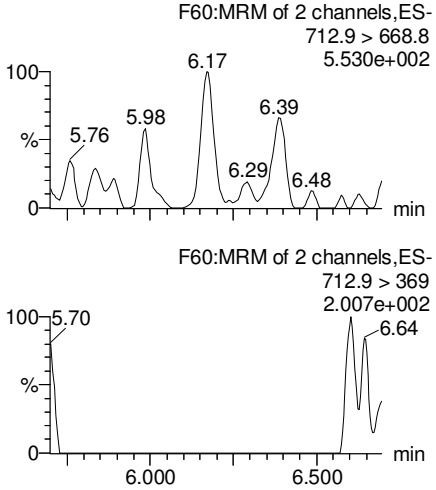

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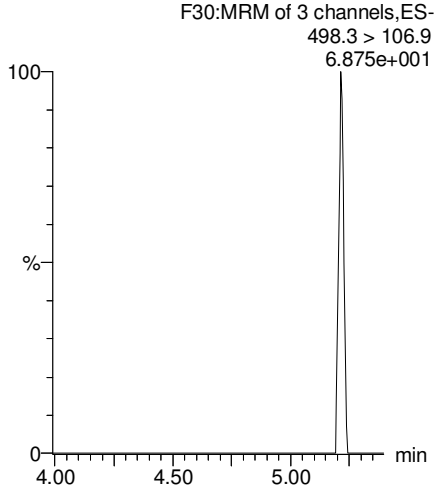

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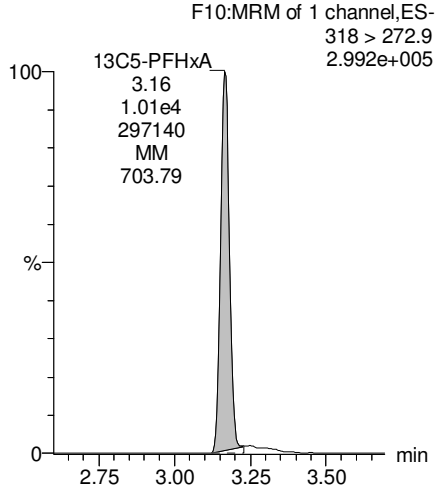

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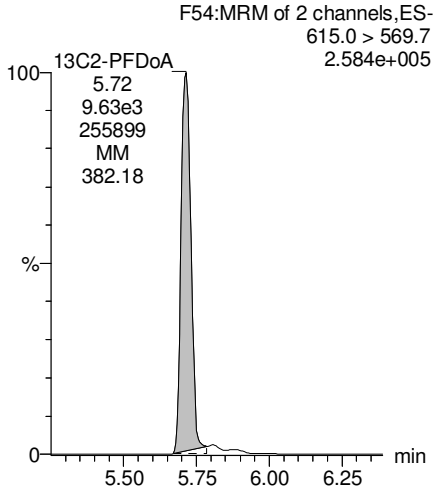

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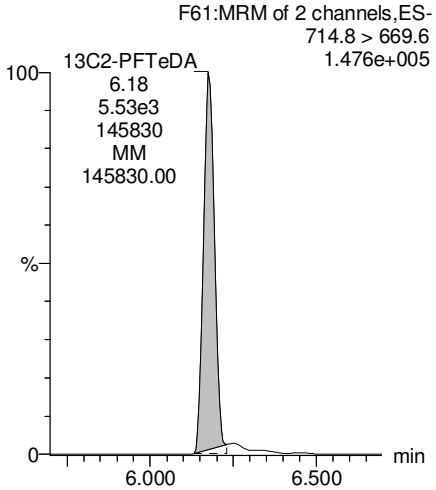

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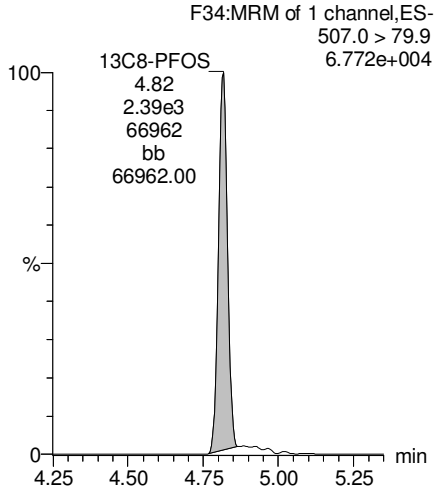

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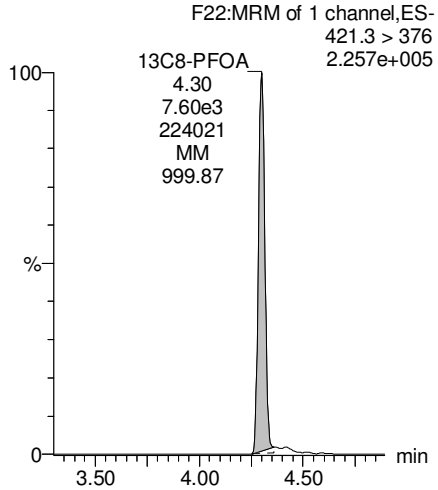

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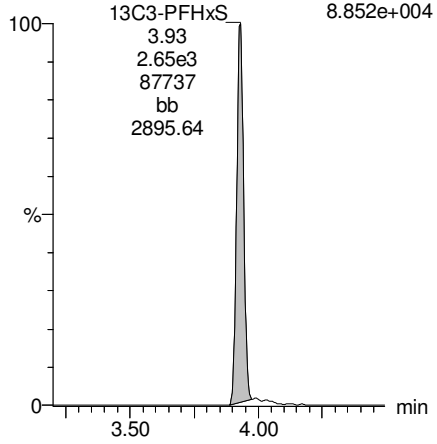
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-101.qld

Last Altered: Thursday, March 01, 2018 09:16:21 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:17:07 Pacific Standard Time

Name: 180224M1_101, Date: 25-Feb-2018, Time: 07:31:56, ID: 1800308-01 OF-RW55-0218 0.11519, Description: OF-RW55-0218

13C3-PFHxS



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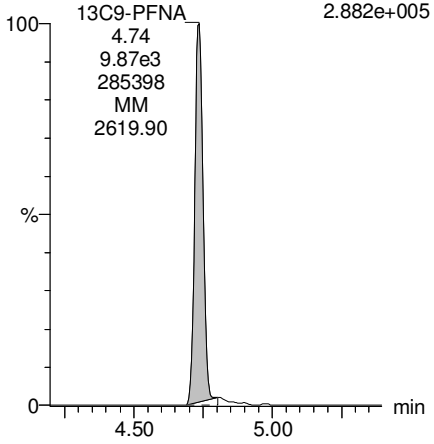
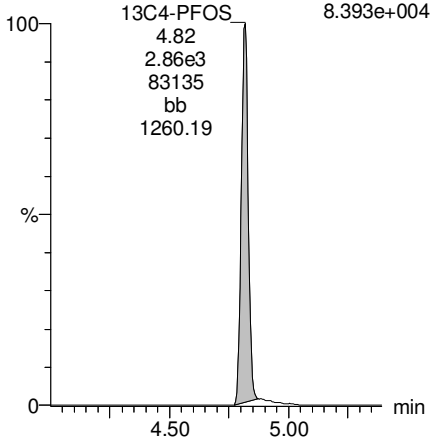
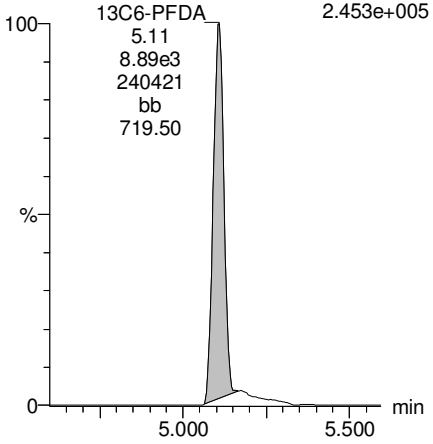


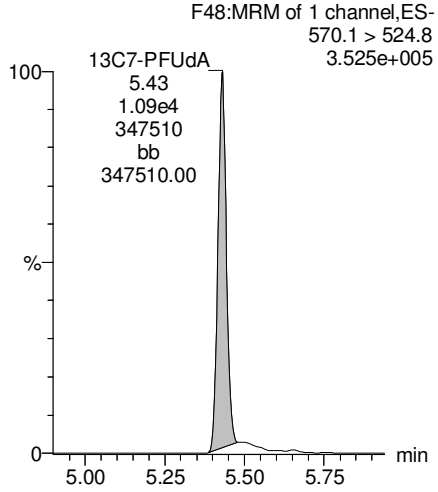
13C4-PFOS



13C6-PFDA



13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-102.qld

Last Altered: Thursday, March 01, 2018 09:24:01 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:24:23 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_102, Date: 25-Feb-2018, Time: 07:43:23, ID: 1800308-02 OF-RW55P-0218 0.11586, Description: OF-RW55P-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.19e3	0.116		2.60				
2	5	PFHxA	313.2 > 268.9		2.51e3	0.116		3.19				
3	7	PFHpA	363.0 > 318.9		5.44e3	0.116		3.81				
4	8	L-PFHxS	398.9 > 79.6	3.88e0	8.14e2	0.116		4.17	3.92	0.0595	0.7186	
5	11	L-PFOA	413 > 368.7	9.44e1	9.74e3	0.116		4.40	4.30	0.121	1.0081	
6	14	PFNA	463.0 > 418.8		6.13e3	0.116		4.76				
7	16	L-PFOS	499 > 79.9		2.43e3	0.116		4.95				
8	18	PFDA	513 > 468.8		6.50e3	0.116		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.22e3	0.116		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.87e3	0.116		5.45				
11	23	PFUdA	563.0 > 518.9		9.39e3	0.116		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-102.qld

Last Altered: Thursday, March 01, 2018 09:24:01 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:24:30 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_102, Date: 25-Feb-2018, Time: 07:43:23, ID: 1800308-02 OF-RW55P-0218 0.11586, Description: OF-RW55P-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		8.36e3	0.116		5.74				
2	27	PFTrDA	662.9 > 618.9		8.36e3	0.116		5.98				
3	28	PFTeDA	712.9 > 668.8	4.02e1	5.58e3	0.116		6.20	6.19	0.0902		
4	36	13C3-PFBS	302. > 98.8	1.19e3	9.57e3	0.116	0.116	2.69	2.68	1.55	115.6537	107.2
5	37	13C2-PFHxA	315 > 269.8	2.51e3	9.57e3	0.116	0.732	3.19	3.17	3.27	38.5780	89.4
6	38	13C4-PFHpA	367.2 > 321.8	5.44e3	9.57e3	0.116	0.717	3.81	3.78	7.11	85.5412	79.3
7	39	18O2-PFHxS	403.0 > 102.6	8.14e2	2.66e3	0.116	0.368	3.96	3.93	3.83	89.7696	83.2
8	40	13C2-PFOA	414.9 > 369.7	9.74e3	8.44e3	0.116	1.311	4.33	4.30	14.4	94.9961	88.0
9	41	13C5-PFNA	468.2 > 422.9	6.13e3	8.56e3	0.116	0.974	4.76	4.74	8.94	79.1926	73.4
10	42	13C8-PFOSA	506.1 > 77.7	1.56e3	1.05e4	0.116	0.187	4.83	4.80	1.87	85.9842	79.7
11	43	13C8-PFOS	507.0 > 79.9	2.43e3	2.72e3	0.116	1.075	4.84	4.82	11.2	89.7008	83.1
12	44	13C2-PFDA	515.1 > 469.9	6.50e3	8.85e3	0.116	1.019	5.14	5.11	9.18	77.7185	72.0
13	45	d3-N-MeFOSAA	573.3 > 419	3.22e3	1.05e4	0.116	0.325	5.29	5.26	3.85	102.0980	94.6
14	46	d5-N-EtFOSAA	589.3 > 419	3.87e3	1.05e4	0.116	0.345	5.45	5.41	4.62	115.6628	107.2
15	47	13C2-PFUdA	565 > 519.8	9.39e3	1.05e4	0.116	1.071	5.46	5.43	11.2	90.3717	83.8
16	48	13C2-PFDoA	615.0 > 569.7	8.36e3	1.05e4	0.116	0.995	5.74	5.72	9.99	86.6302	80.3
17	49	d3-N-MeFOSA	515.2 > 168.9		1.05e4	0.116	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	5.58e3	1.05e4	0.116	0.551	6.20	6.18	6.66	104.2943	96.7
19	51	d5-N-ETFOSA	531.1 > 168.9		1.05e4	0.116	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	3.19e3	1.05e4	0.116	0.752	6.51	6.50	3.81	43.8102	101.5
21	53	d7-N-MeFOSE	623.1 > 58.9		1.05e4	0.116	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.05e4	0.116	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.16e3	8.16e3	0.116	1.000	1.46	1.44	12.5	107.8888	100.0
24	56	13C5-PFHxA	318 > 272.9	9.57e3	9.57e3	0.116	1.000	3.19	3.17	12.5	107.8888	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.66e3	2.66e3	0.116	1.000	3.96	3.93	12.5	107.8888	100.0
26	58	13C8-PFOA	421.3 > 376	8.44e3	8.44e3	0.116	1.000	4.33	4.30	12.5	107.8888	100.0
27	59	13C9-PFNA	472.2 > 426.9	8.56e3	8.56e3	0.116	1.000	4.70	4.74	12.5	107.8888	100.0
28	60	13C4-PFOS	503 > 79.9	2.72e3	2.72e3	0.116	1.000	4.84	4.82	12.5	107.8888	100.0
29	61	13C6-PFDA	519.1 > 473.7	8.85e3	8.85e3	0.116	1.000	5.14	5.10	12.5	107.8888	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.05e4	1.05e4	0.116	1.000	5.46	5.44	12.5	107.8888	100.0
31	63	Total PFHxS	398.9 > 79.6	3.88e0	8.14e2	0.116		3.85		0.0595	0.7186	
32	64	Total PFOA	413 > 368.7	9.44e1	9.74e3	0.116		4.21		0.121	1.0081	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-102.qld

Last Altered: Thursday, March 01, 2018 09:24:01 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:24:30 Pacific Standard Time

Name: 180224M1_102, Date: 25-Feb-2018, Time: 07:43:23, ID: 1800308-02 OF-RW55P-0218 0.11586, Description: OF-RW55P-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.43e3	0.116		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.22e3	0.116		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.87e3	0.116		5.45		0.000		

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-102.qld

Last Altered: Thursday, March 01, 2018 09:24:01 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:24:30 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_102, Date: 25-Feb-2018, Time: 07:43:23, ID: 1800308-02 OF-RW55P-0218 0.11586, Description: OF-RW55P-0218

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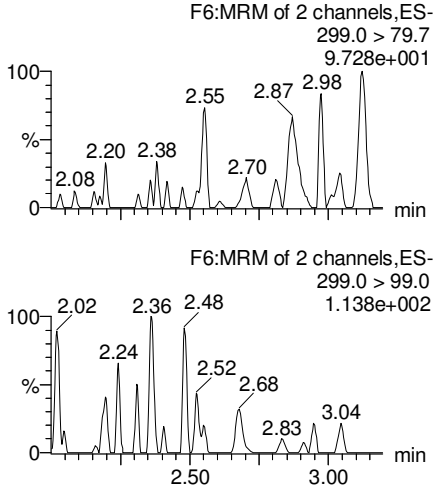

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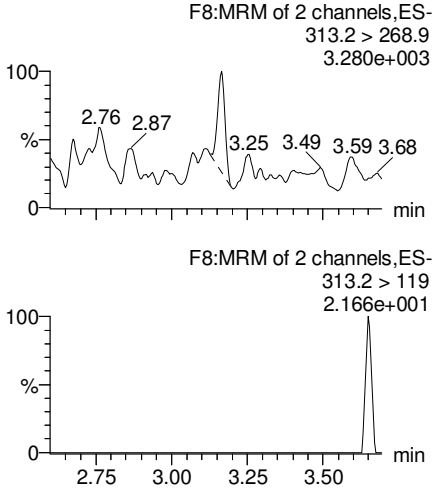

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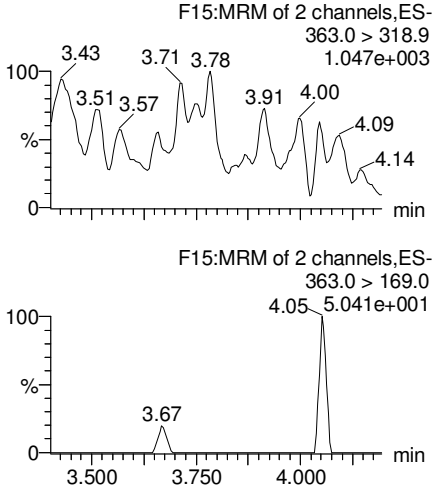

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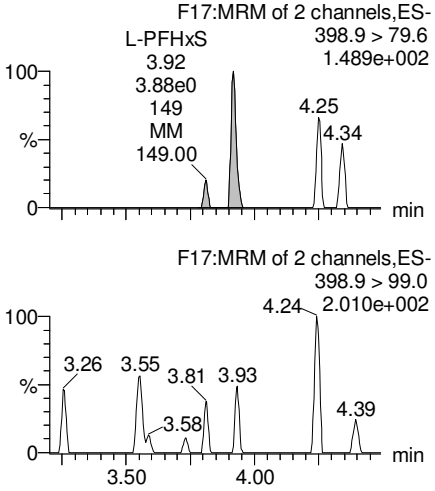

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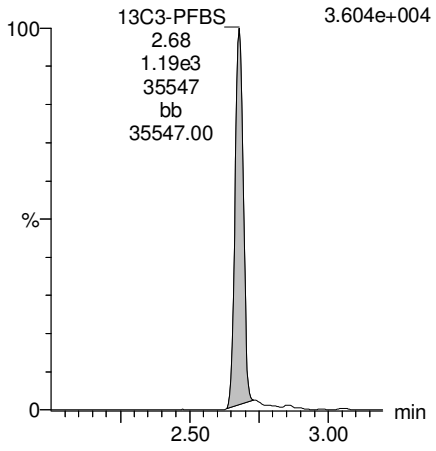

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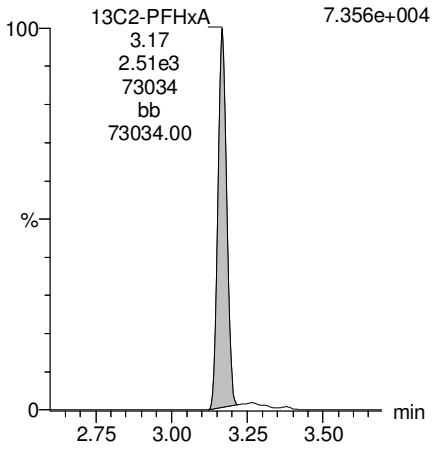

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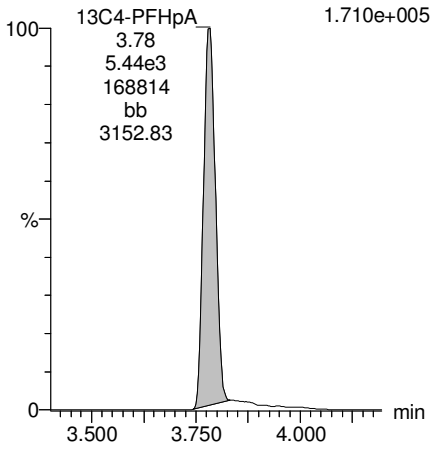

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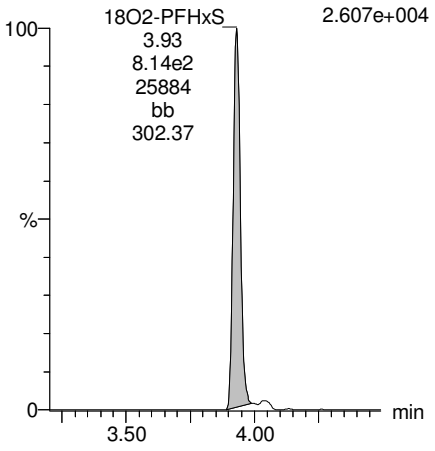


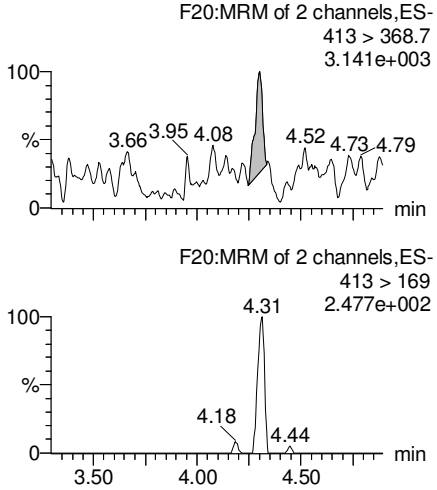
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-102.qld

Last Altered: Thursday, March 01, 2018 09:24:01 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:24:30 Pacific Standard Time

Name: 180224M1_102, Date: 25-Feb-2018, Time: 07:43:23, ID: 1800308-02 OF-RW55P-0218 0.11586, Description: OF-RW55P-0218

Total PFOA



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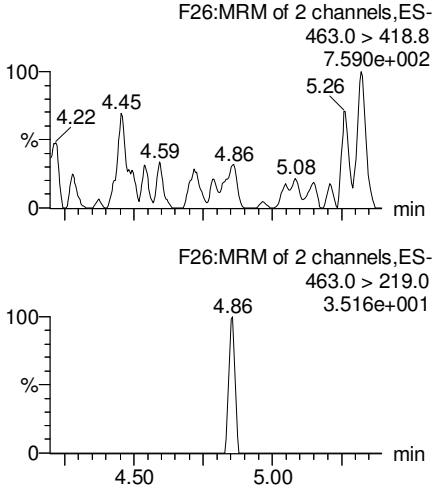

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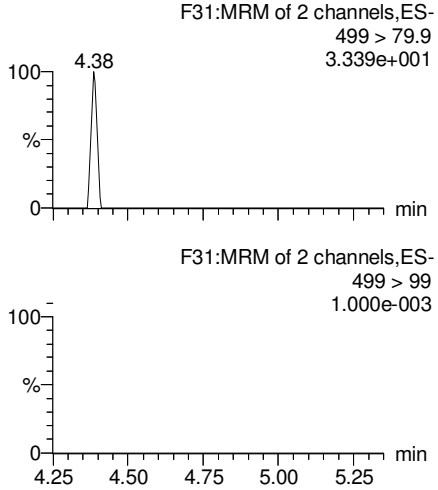

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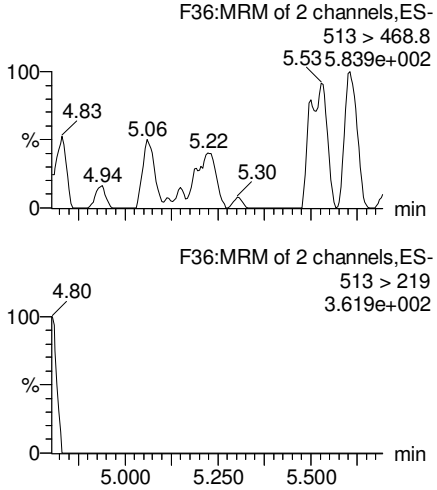

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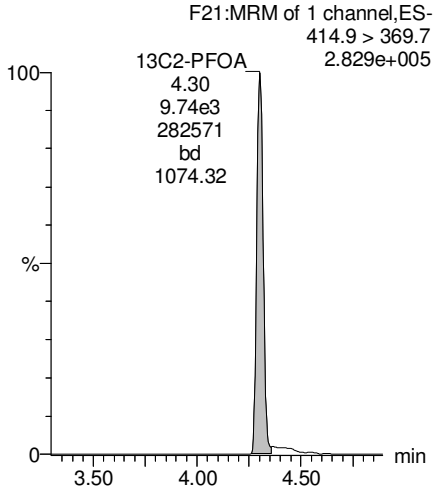

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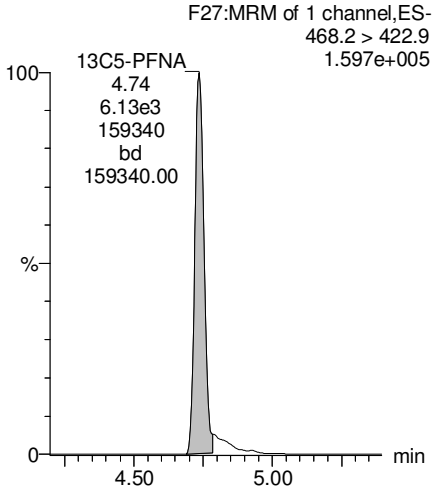

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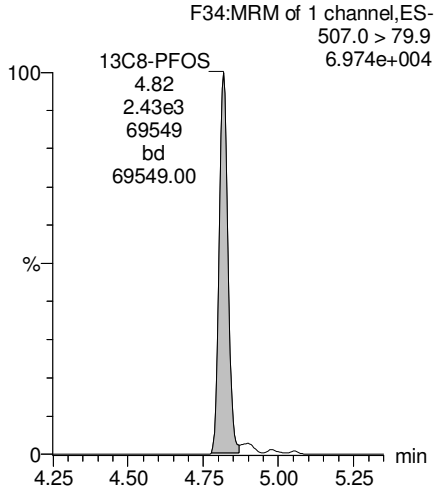

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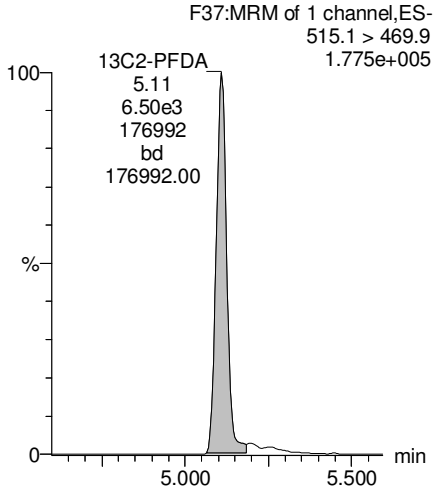


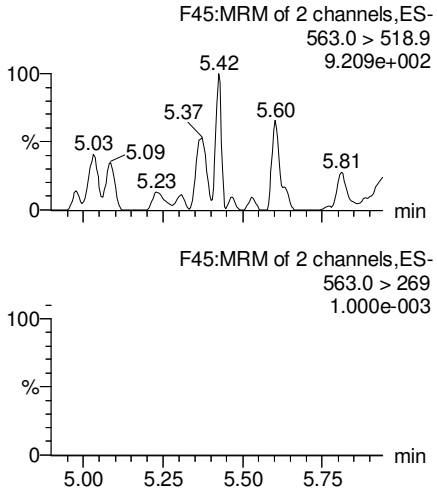
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-102.qld

Last Altered: Thursday, March 01, 2018 09:24:01 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:24:30 Pacific Standard Time

Name: 180224M1_102, Date: 25-Feb-2018, Time: 07:43:23, ID: 1800308-02 OF-RW55P-0218 0.11586, Description: OF-RW55P-0218

PFUdA



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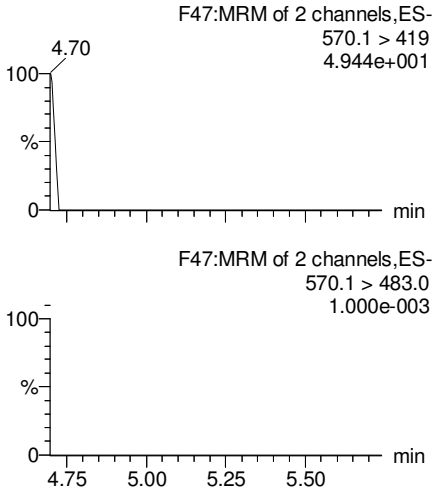

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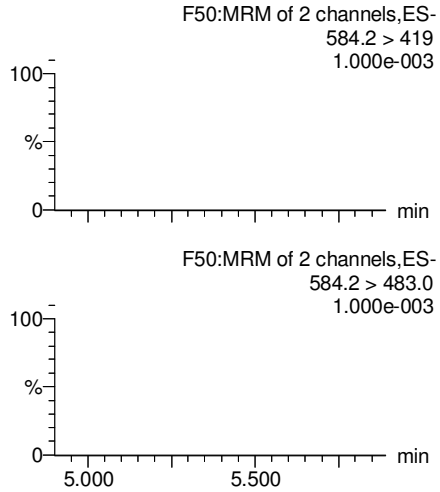

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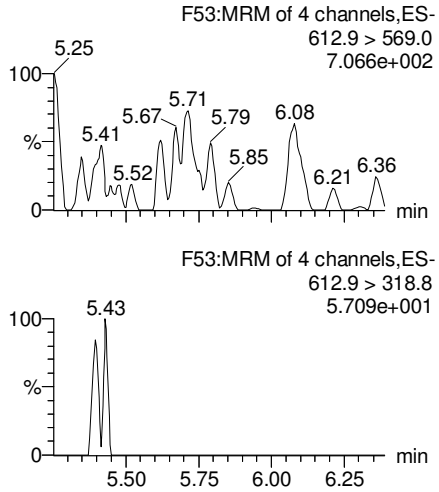

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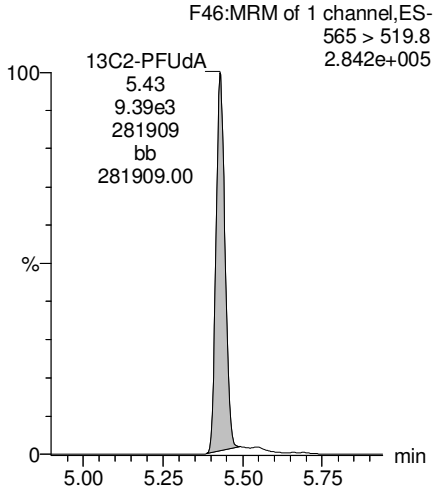

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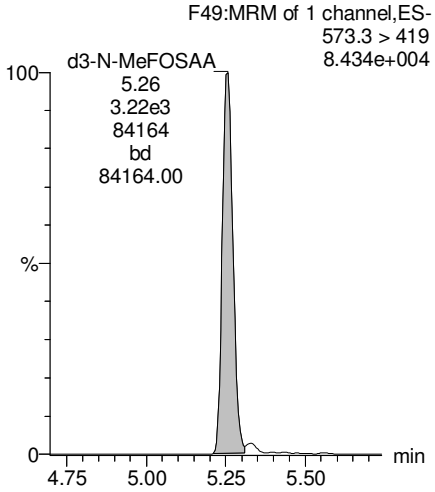

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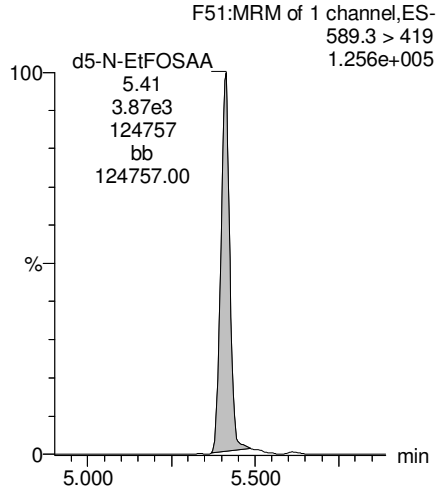

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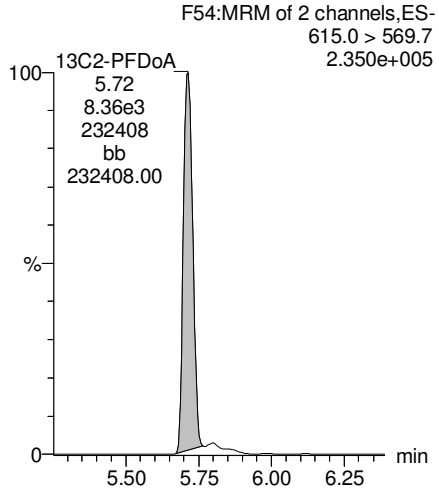


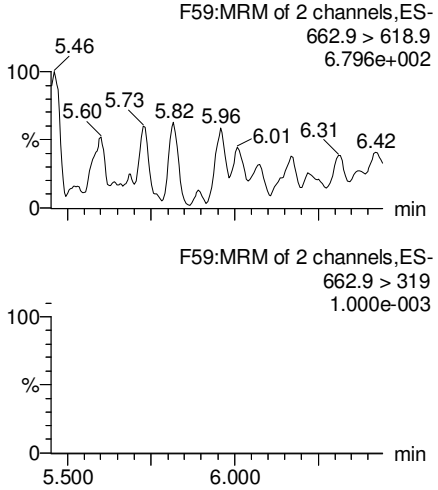
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-102.qld

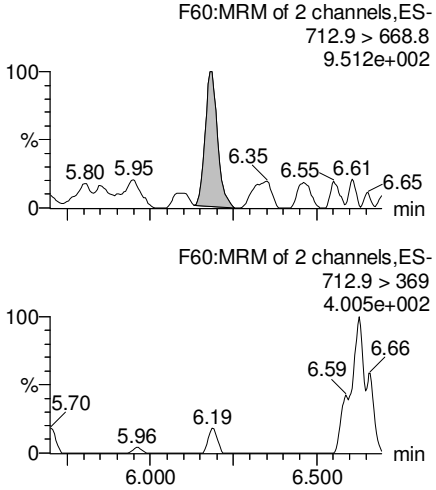
Last Altered: Thursday, March 01, 2018 09:24:01 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:24:30 Pacific Standard Time

Name: 180224M1_102, Date: 25-Feb-2018, Time: 07:43:23, ID: 1800308-02 OF-RW55P-0218 0.11586, Description: OF-RW55P-0218

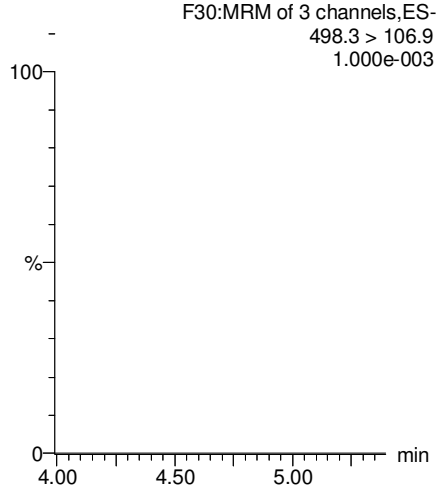
PFTrDA



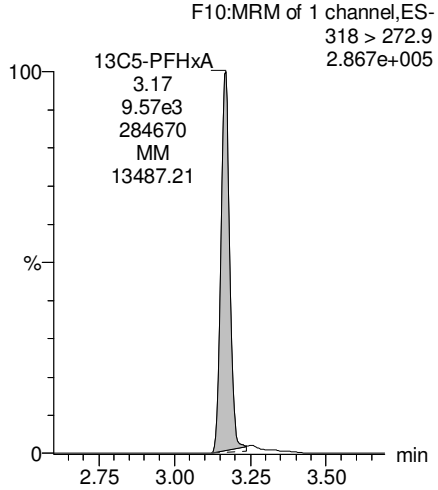
PFTeDA



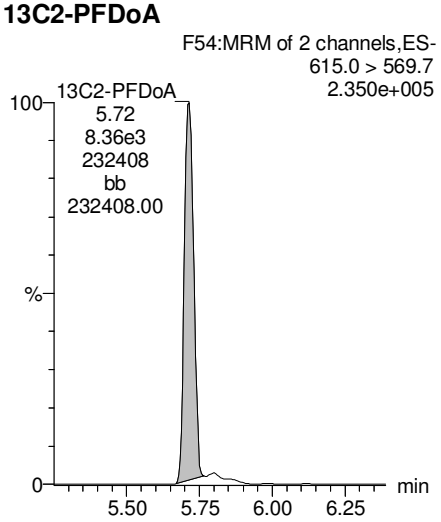
TCDA



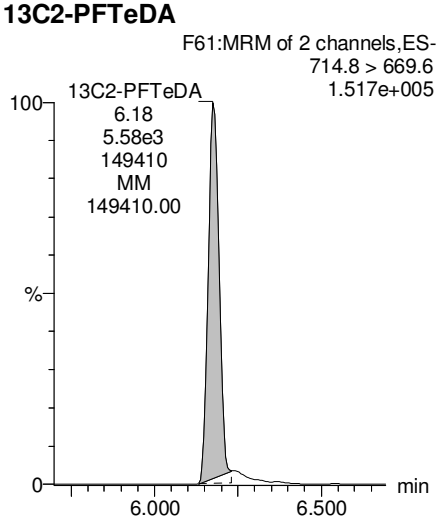
13C5-PFHxA



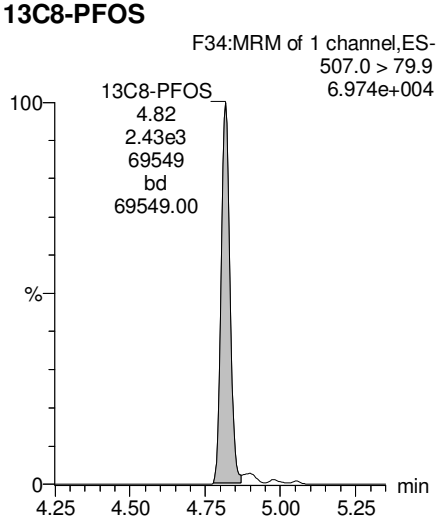
13C2-PFDoA



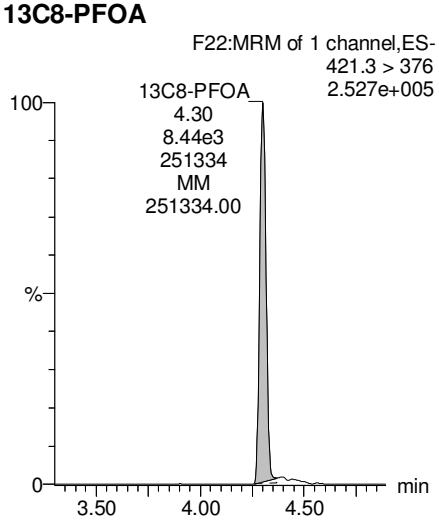
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-102.qld

Last Altered: Thursday, March 01, 2018 09:24:01 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:24:30 Pacific Standard Time

Name: 180224M1_102, Date: 25-Feb-2018, Time: 07:43:23, ID: 1800308-02 OF-RW55P-0218 0.11586, Description: OF-RW55P-0218

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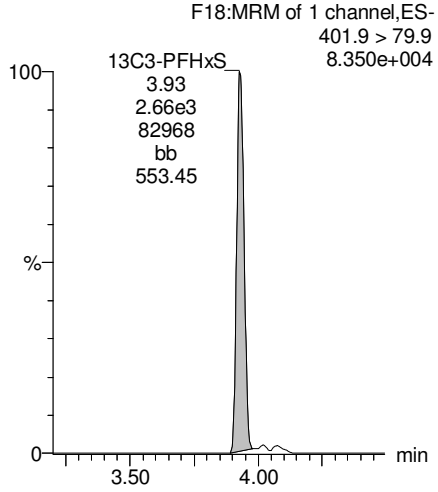

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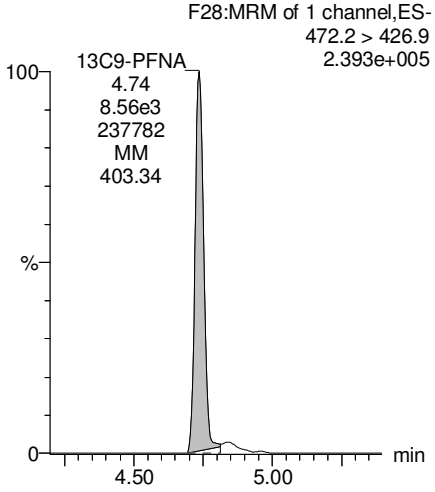

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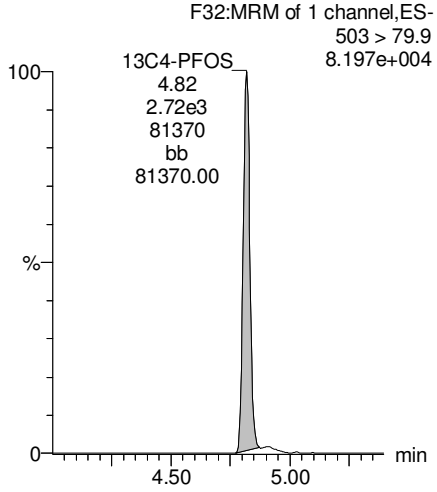

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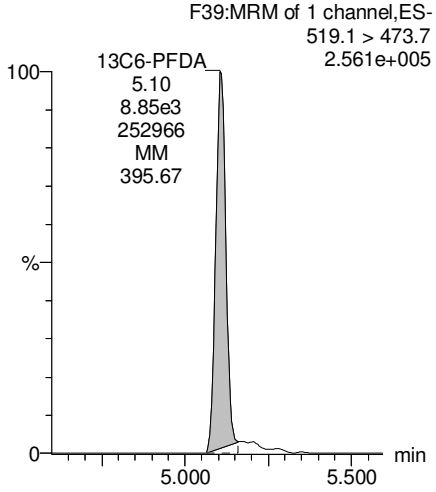
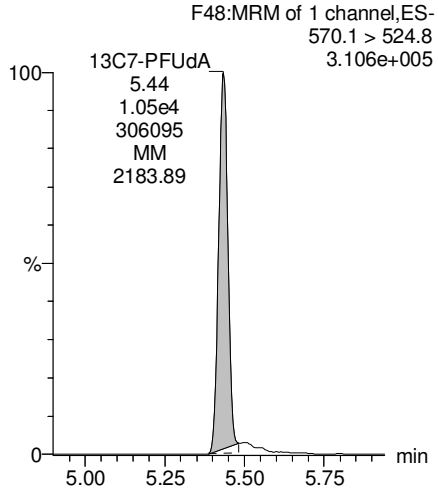


13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-103.qld

Last Altered: Thursday, March 01, 2018 09:27:23 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:27:52 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_103, Date: 25-Feb-2018, Time: 07:54:50, ID: 1800308-03 OF-FB55-0218 0.11289, Description: OF-FB55-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.11e3	0.113		2.60				
2	5	PFHxA	313.2 > 268.9	3.26e1	2.17e3	0.113		3.19	3.18	0.0752	0.0303	
3	7	PFHpA	363.0 > 318.9		5.93e3	0.113		3.81				
4	8	L-PFHxS	398.9 > 79.6	5.24e-1	8.21e2	0.113		4.17	3.91	0.00797	0.4907	
5	11	L-PFOA	413 > 368.7	1.04e2	9.46e3	0.113		4.40	4.30	0.138	1.1826	
6	14	PFNA	463.0 > 418.8		6.90e3	0.113		4.76				
7	16	L-PFOS	499 > 79.9		2.54e3	0.113		4.95				
8	18	PFDA	513 > 468.8		6.03e3	0.113		5.14				
9	21	N-MeFOSAA	570.1 > 419		2.79e3	0.113		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.04e3	0.113		5.45				
11	23	PFUdA	563.0 > 518.9	1.61e1	6.97e3	0.113		5.46	5.44	0.0288	0.5631	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-103.qld

Last Altered: Thursday, March 01, 2018 09:27:23 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:28:00 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_103, Date: 25-Feb-2018, Time: 07:54:50, ID: 1800308-03 OF-FB55-0218 0.11289, Description: OF-FB55-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		8.47e3	0.113		5.74				
2	27	PFTrDA	662.9 > 618.9		8.47e3	0.113		5.98				
3	28	PFTeDA	712.9 > 668.8		4.06e3	0.113		6.20				
4	36	13C3-PFBS	302. > 98.8	1.11e3	9.13e3	0.113	0.116	2.69	2.67	1.52	115.7800	104.6
5	37	13C2-PFHxA	315 > 269.8	2.17e3	9.13e3	0.113	0.732	3.19	3.16	2.97	35.9364	81.1
6	38	13C4-PFHpA	367.2 > 321.8	5.93e3	9.13e3	0.113	0.717	3.81	3.78	8.12	100.3172	90.6
7	39	18O2-PFHxS	403.0 > 102.6	8.21e2	2.41e3	0.113	0.368	3.96	3.93	4.27	102.7360	92.8
8	40	13C2-PFOA	414.9 > 369.7	9.46e3	9.05e3	0.113	1.311	4.33	4.30	13.1	88.2805	79.7
9	41	13C5-PFNA	468.2 > 422.9	6.90e3	8.53e3	0.113	0.974	4.76	4.73	10.1	91.8326	82.9
10	42	13C8-PFOSA	506.1 > 77.7	1.28e3	1.05e4	0.113	0.187	4.83	4.80	1.52	71.8535	64.9
11	43	13C8-PFOS	507.0 > 79.9	2.54e3	2.69e3	0.113	1.075	4.84	4.81	11.8	97.1241	87.7
12	44	13C2-PFDA	515.1 > 469.9	6.03e3	8.42e3	0.113	1.019	5.14	5.10	8.95	77.7710	70.2
13	45	d3-N-MeFOSAA	573.3 > 419	2.79e3	1.05e4	0.113	0.325	5.29	5.25	3.32	90.4164	81.7
14	46	d5-N-EtFOSAA	589.3 > 419	3.04e3	1.05e4	0.113	0.345	5.45	5.41	3.62	92.8240	83.8
15	47	13C2-PFUdA	565 > 519.8	6.97e3	1.05e4	0.113	1.071	5.46	5.43	8.29	68.5682	61.9
16	48	13C2-PFDoA	615.0 > 569.7	8.47e3	1.05e4	0.113	0.995	5.74	5.71	10.1	89.6184	80.9
17	49	d3-N-MeFOSA	515.2 > 168.9		1.05e4	0.113	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	4.06e3	1.05e4	0.113	0.551	6.20	6.18	4.83	77.5775	70.1
19	51	d5-N-ETFOSA	531.1 > 168.9		1.05e4	0.113	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	2.78e3	1.05e4	0.113	0.752	6.51	6.50	3.30	38.9459	87.9
21	53	d7-N-MeFOSE	623.1 > 58.9		1.05e4	0.113	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.05e4	0.113	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.17e3	8.17e3	0.113	1.000	1.46	1.44	12.5	110.7273	100.0
24	56	13C5-PFHxA	318 > 272.9	9.13e3	9.13e3	0.113	1.000	3.19	3.16	12.5	110.7273	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.41e3	2.41e3	0.113	1.000	3.96	3.93	12.5	110.7273	100.0
26	58	13C8-PFOA	421.3 > 376	9.05e3	9.05e3	0.113	1.000	4.33	4.30	12.5	110.7273	100.0
27	59	13C9-PFNA	472.2 > 426.9	8.53e3	8.53e3	0.113	1.000	4.70	4.73	12.5	110.7273	100.0
28	60	13C4-PFOS	503 > 79.9	2.69e3	2.69e3	0.113	1.000	4.84	4.82	12.5	110.7273	100.0
29	61	13C6-PFDA	519.1 > 473.7	8.42e3	8.42e3	0.113	1.000	5.14	5.10	12.5	110.7273	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.05e4	1.05e4	0.113	1.000	5.46	5.43	12.5	110.7273	100.0
31	63	Total PFHxS	398.9 > 79.6	5.24e-1	8.21e2	0.113		3.85		0.00797	0.4907	
32	64	Total PFOA	413 > 368.7	1.04e2	9.46e3	0.113		4.21		0.138	1.1826	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-103.qld

Last Altered: Thursday, March 01, 2018 09:27:23 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:28:00 Pacific Standard Time

Name: 180224M1_103, Date: 25-Feb-2018, Time: 07:54:50, ID: 1800308-03 OF-FB55-0218 0.11289, Description: OF-FB55-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.54e3	0.113		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	2.79e3	0.113		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.04e3	0.113		5.45		0.000		

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

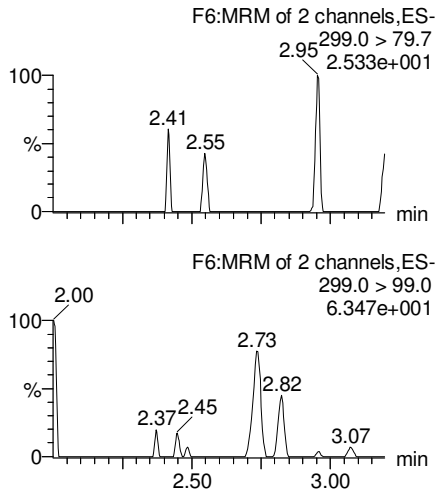
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-103.qld

Last Altered: Thursday, March 01, 2018 09:27:23 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:28:00 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_103, Date: 25-Feb-2018, Time: 07:54:50, ID: 1800308-03 OF-FB55-0218 0.11289, Description: OF-FB55-0218

PFBS



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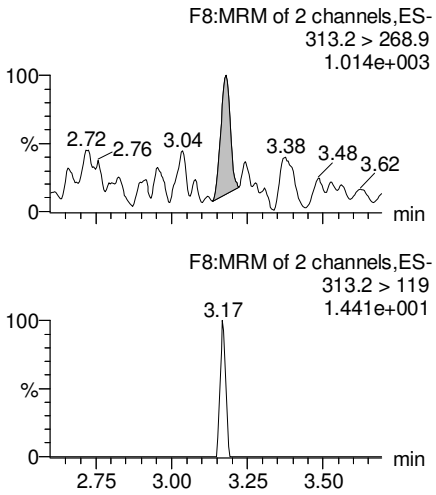

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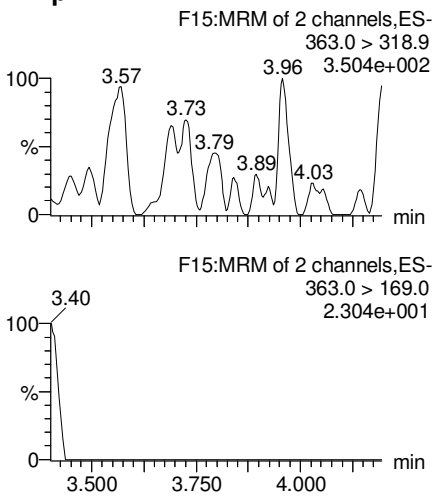

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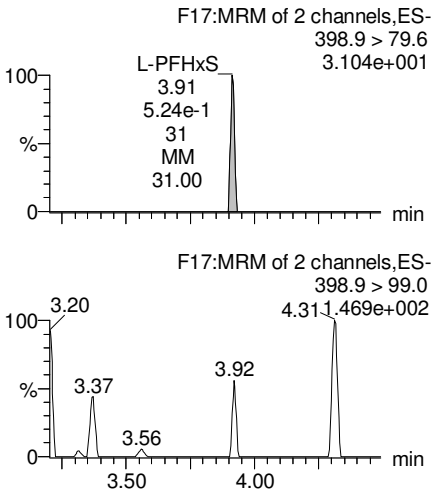

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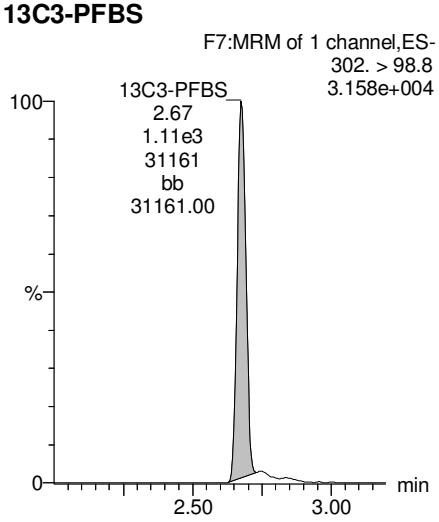

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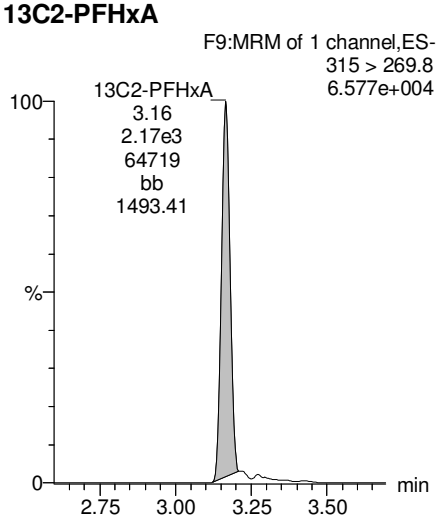

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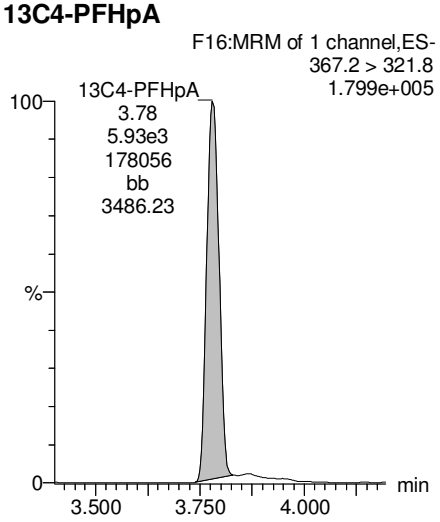

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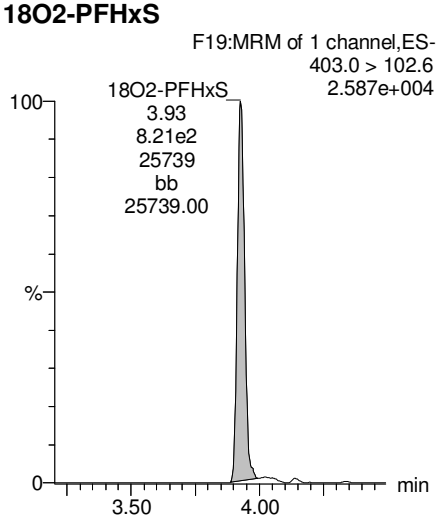


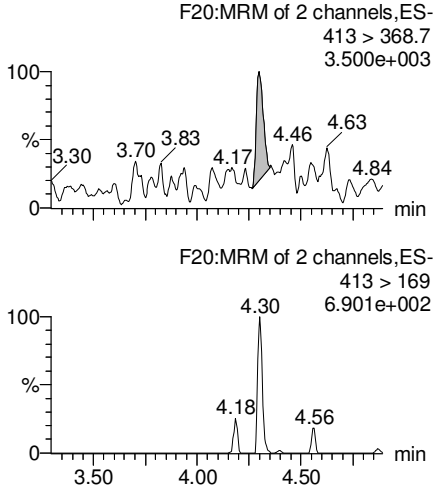
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-103.qld

Last Altered: Thursday, March 01, 2018 09:27:23 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:28:00 Pacific Standard Time

Name: 180224M1_103, Date: 25-Feb-2018, Time: 07:54:50, ID: 1800308-03 OF-FB55-0218 0.11289, Description: OF-FB55-0218

Total PFOA



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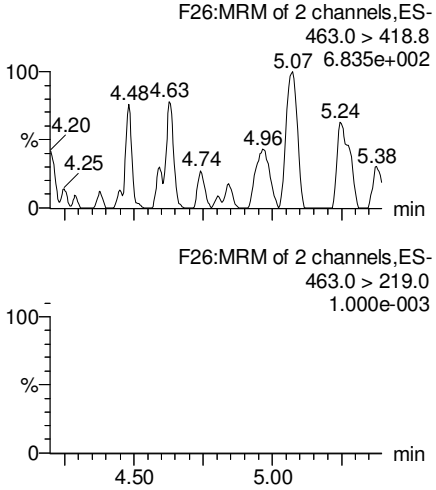
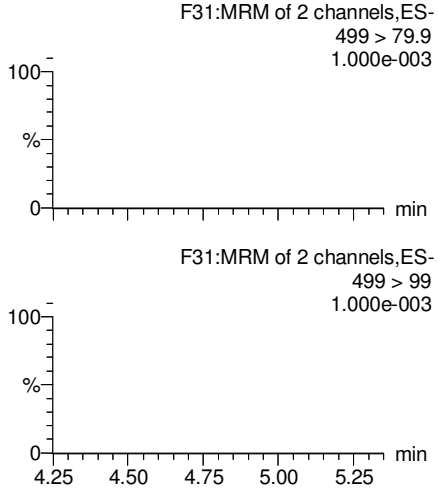


Total PFOS



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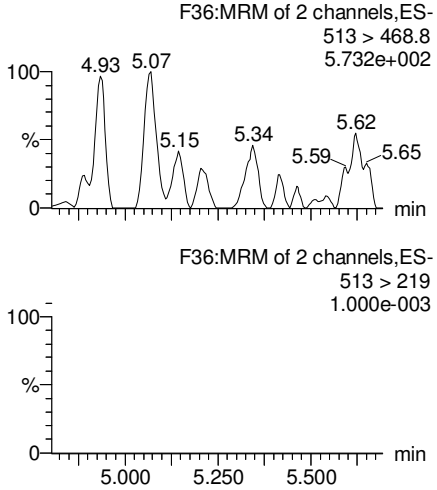

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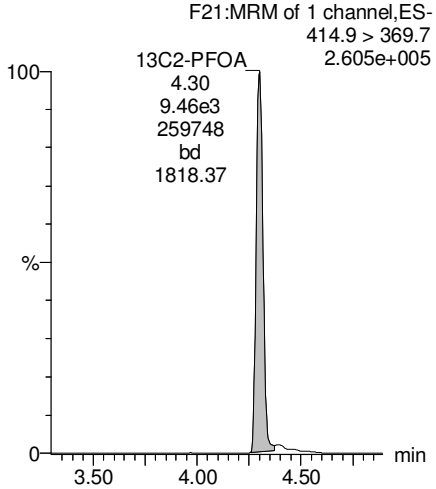

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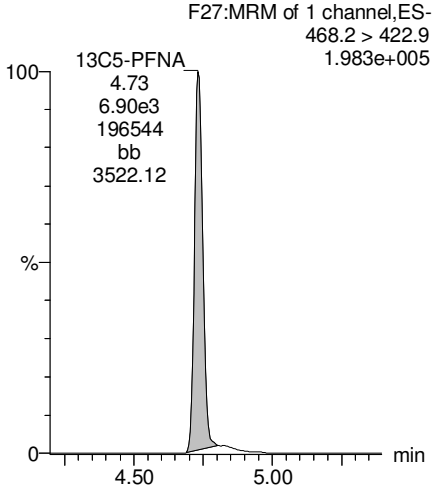
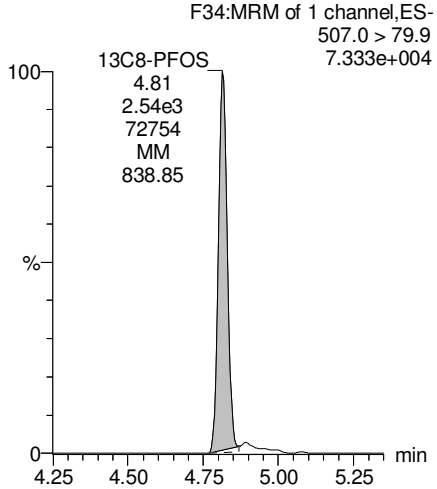


13C8-PFOS



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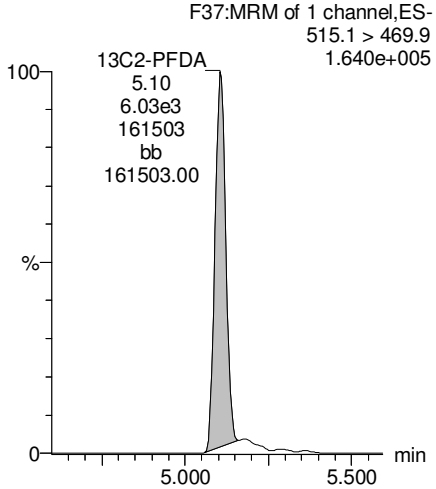


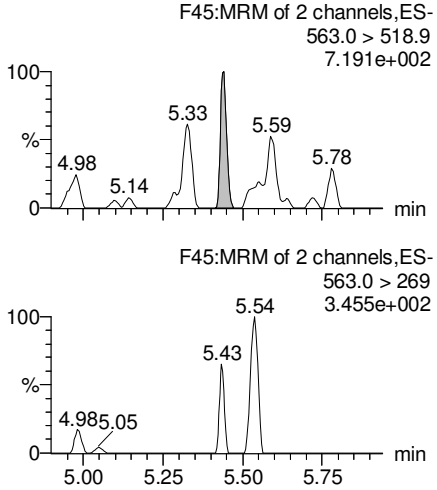
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-103.qld

Last Altered: Thursday, March 01, 2018 09:27:23 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:28:00 Pacific Standard Time

Name: 180224M1_103, Date: 25-Feb-2018, Time: 07:54:50, ID: 1800308-03 OF-FB55-0218 0.11289, Description: OF-FB55-0218

PFUdA



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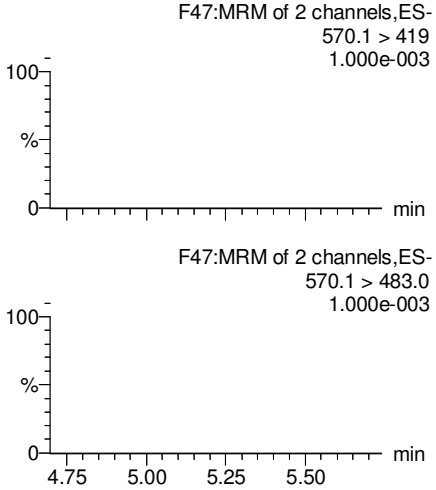
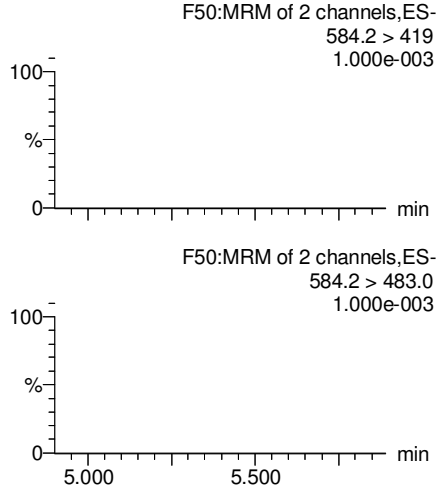
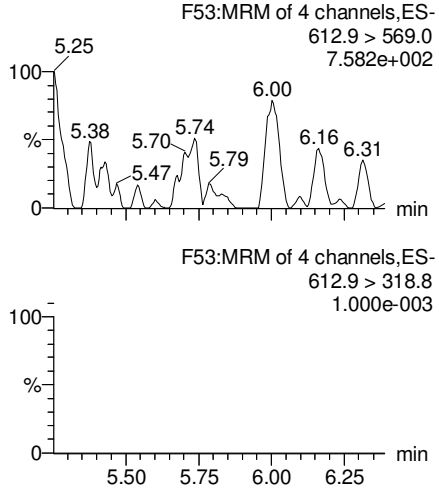


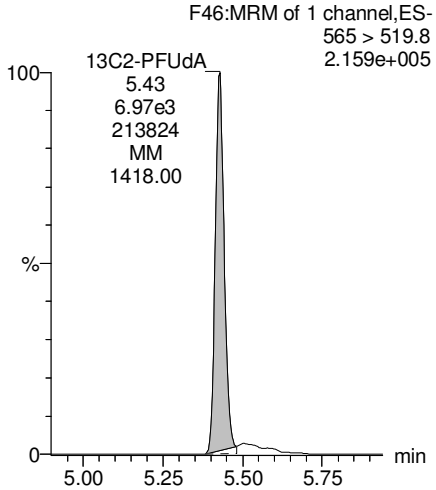
N-EtFOSAA



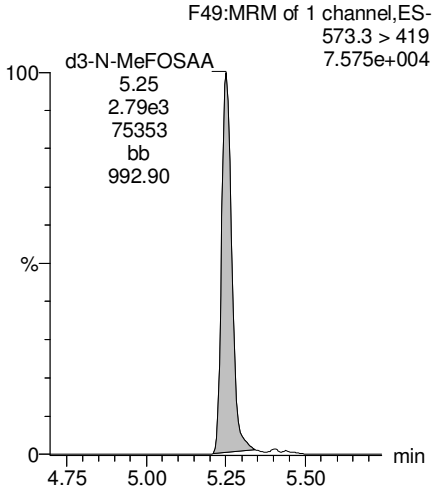
PFDoA



13C2-PFUdA



d3-N-MeFOSAA



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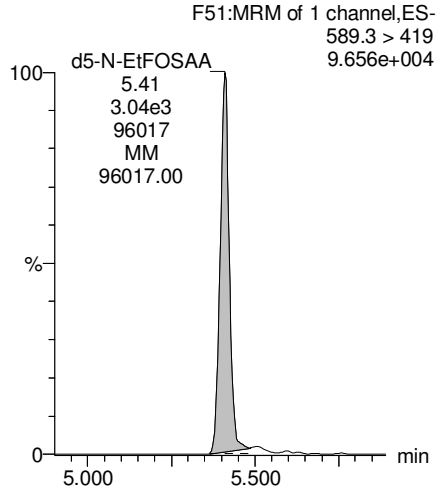

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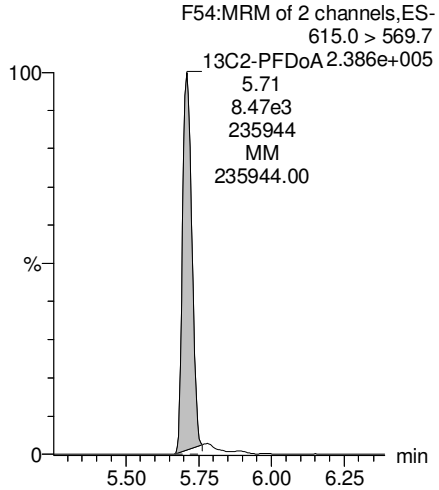

GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-103.qld

Last Altered: Thursday, March 01, 2018 09:27:23 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:28:00 Pacific Standard Time

Name: 180224M1_103, Date: 25-Feb-2018, Time: 07:54:50, ID: 1800308-03 OF-FB55-0218 0.11289, Description: OF-FB55-0218

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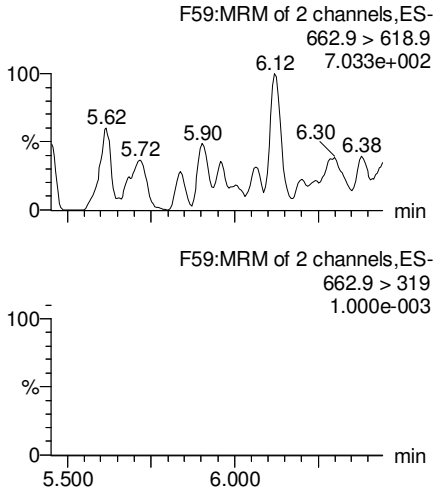

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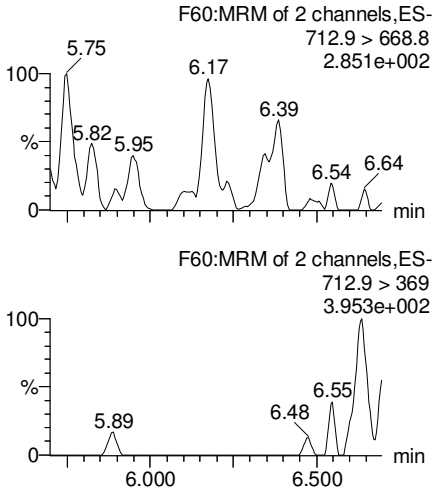
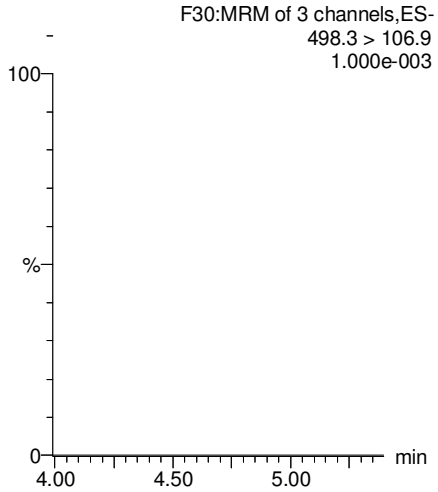
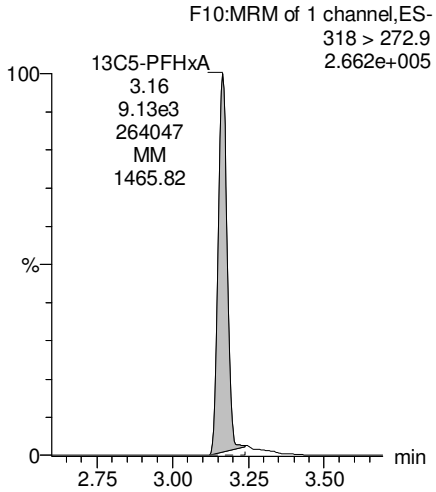


TCDA



13C5-PFHxA



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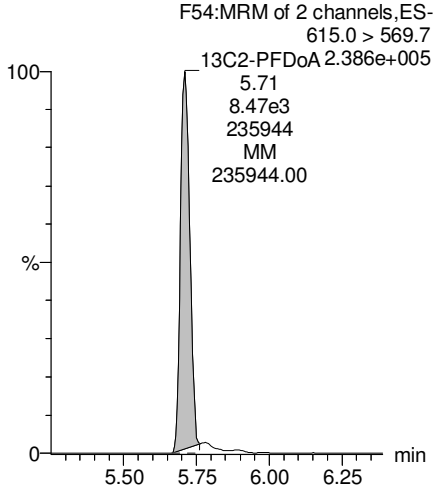

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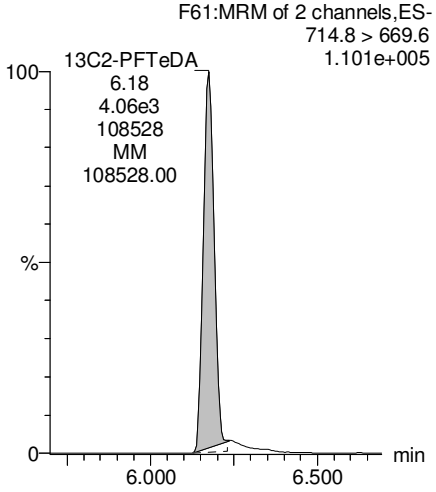
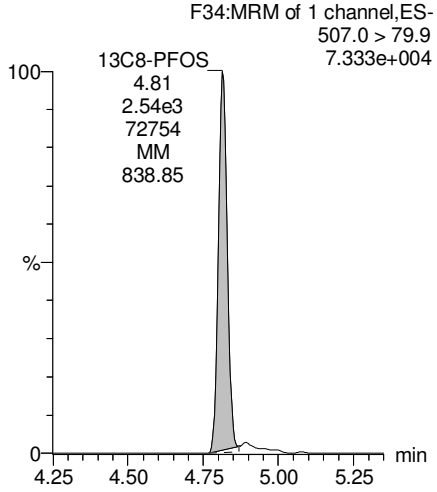
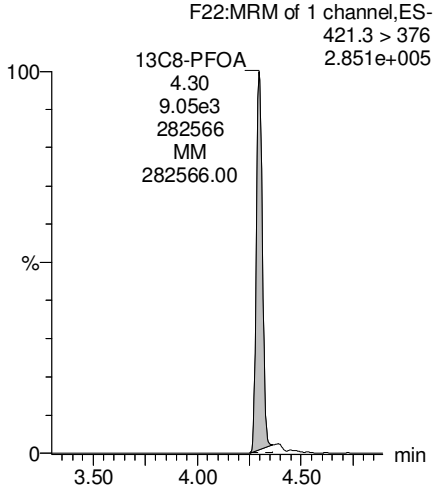


13C8-PFOS



13C8-PFOA



GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-103.qld

Last Altered: Thursday, March 01, 2018 09:27:23 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:28:00 Pacific Standard Time

Name: 180224M1_103, Date: 25-Feb-2018, Time: 07:54:50, ID: 1800308-03 OF-FB55-0218 0.11289, Description: OF-FB55-0218

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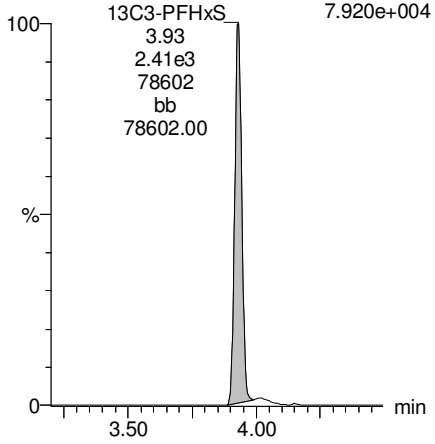

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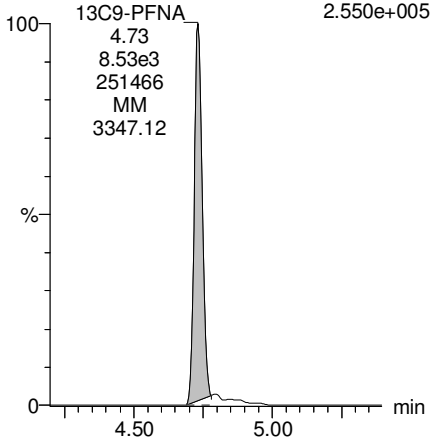

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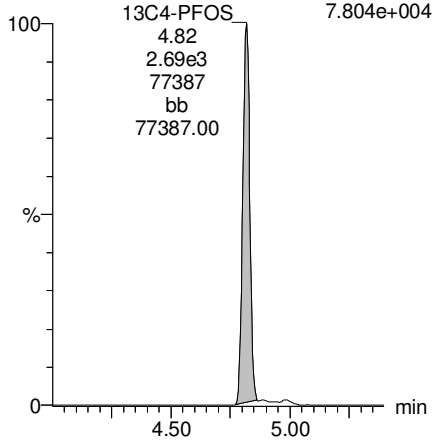

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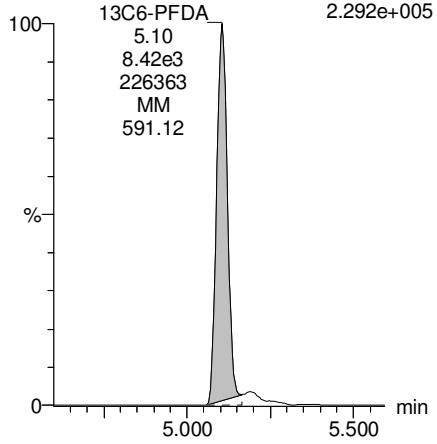
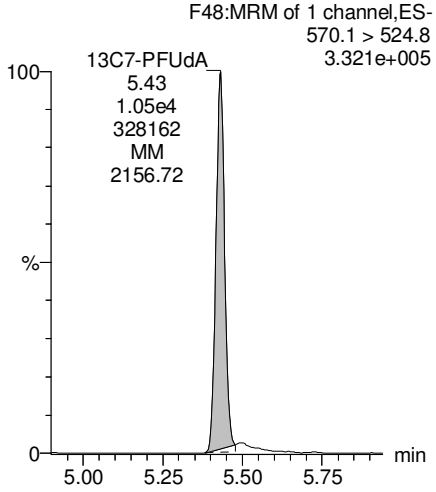


13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-104.qld

Last Altered: Thursday, March 01, 2018 09:30:04 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:30:23 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_104, Date: 25-Feb-2018, Time: 08:06:17, ID: 1800308-04 OF-RW56-0218 0.11816, Description: OF-RW56-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.07e3	0.118		2.60				
2	5	PFHxA	313.2 > 268.9		2.30e3	0.118		3.19				
3	7	PFHpA	363.0 > 318.9		5.54e3	0.118		3.81				
4	8	L-PFHxS	398.9 > 79.6	2.96e0	7.65e2	0.118		4.17	3.94	0.0483	0.6532	
5	11	L-PFOA	413 > 368.7	1.03e2	7.55e3	0.118		4.40	4.30	0.171	1.4125	
6	14	PFNA	463.0 > 418.8		7.00e3	0.118		4.76				
7	16	L-PFOS	499 > 79.9		2.44e3	0.118		4.95				
8	18	PFDA	513 > 468.8		6.54e3	0.118		5.14				
9	21	N-MeFOSAA	570.1 > 419		2.83e3	0.118		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.36e3	0.118		5.45				
11	23	PFUdA	563.0 > 518.9		8.70e3	0.118		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-104.qld

Last Altered: Thursday, March 01, 2018 09:30:04 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:30:33 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_104, Date: 25-Feb-2018, Time: 08:06:17, ID: 1800308-04 OF-RW56-0218 0.11816, Description: OF-RW56-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		7.01e3	0.118		5.74				
2	27	PFTrDA	662.9 > 618.9		7.01e3	0.118		5.98				
3	28	PFTeDA	712.9 > 668.8		3.84e3	0.118		6.20				
4	36	13C3-PFBS	302. > 98.8	1.07e3	8.42e3	0.118	0.116	2.69	2.67	1.59	116.1471	109.8
5	37	13C2-PFHxA	315 > 269.8	2.30e3	8.42e3	0.118	0.732	3.19	3.16	3.41	39.4142	93.1
6	38	13C4-PFHpA	367.2 > 321.8	5.54e3	8.42e3	0.118	0.717	3.81	3.78	8.22	97.0736	91.8
7	39	18O2-PFHxS	403.0 > 102.6	7.65e2	2.21e3	0.118	0.368	3.96	3.93	4.32	99.4943	94.1
8	40	13C2-PFOA	414.9 > 369.7	7.55e3	6.84e3	0.118	1.311	4.33	4.30	13.8	89.0200	84.1
9	41	13C5-PFNA	468.2 > 422.9	7.00e3	8.37e3	0.118	0.974	4.76	4.73	10.5	90.7903	85.8
10	42	13C8-PFOSA	506.1 > 77.7	1.62e3	1.19e4	0.118	0.187	4.83	4.79	1.70	76.8748	72.7
11	43	13C8-PFOS	507.0 > 79.9	2.44e3	2.46e3	0.118	1.075	4.84	4.81	12.4	97.5121	92.2
12	44	13C2-PFDA	515.1 > 469.9	6.54e3	8.77e3	0.118	1.019	5.14	5.11	9.33	77.4630	73.2
13	45	d3-N-MeFOSAA	573.3 > 419	2.83e3	1.19e4	0.118	0.325	5.29	5.25	2.98	77.4338	73.2
14	46	d5-N-EtFOSAA	589.3 > 419	3.36e3	1.19e4	0.118	0.345	5.45	5.41	3.52	86.4214	81.7
15	47	13C2-PFUdA	565 > 519.8	8.70e3	1.19e4	0.118	1.071	5.46	5.43	9.14	72.2126	68.3
16	48	13C2-PFDoA	615.0 > 569.7	7.01e3	1.19e4	0.118	0.995	5.74	5.71	7.36	62.6196	59.2
17	49	d3-N-MeFOSA	515.2 > 168.9		1.19e4	0.118	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	3.84e3	1.19e4	0.118	0.551	6.20	6.18	4.03	61.9200	58.5
19	51	d5-N-ETFOSA	531.1 > 168.9		1.19e4	0.118	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	2.26e3	1.19e4	0.118	0.752	6.51	6.50	2.38	26.7620	63.2
21	53	d7-N-MeFOSE	623.1 > 58.9		1.19e4	0.118	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.19e4	0.118	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	6.97e3	6.97e3	0.118	1.000	1.46	1.44	12.5	105.7888	100.0
24	56	13C5-PFHxA	318 > 272.9	8.42e3	8.42e3	0.118	1.000	3.19	3.16	12.5	105.7888	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.21e3	2.21e3	0.118	1.000	3.96	3.93	12.5	105.7888	100.0
26	58	13C8-PFOA	421.3 > 376	6.84e3	6.84e3	0.118	1.000	4.33	4.30	12.5	105.7888	100.0
27	59	13C9-PFNA	472.2 > 426.9	8.37e3	8.37e3	0.118	1.000	4.70	4.73	12.5	105.7888	100.0
28	60	13C4-PFOS	503 > 79.9	2.46e3	2.46e3	0.118	1.000	4.84	4.81	12.5	105.7888	100.0
29	61	13C6-PFDA	519.1 > 473.7	8.77e3	8.77e3	0.118	1.000	5.14	5.10	12.5	105.7888	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.19e4	1.19e4	0.118	1.000	5.46	5.43	12.5	105.7888	100.0
31	63	Total PFHxS	398.9 > 79.6	2.96e0	7.65e2	0.118		3.85		0.0483	0.6532	
32	64	Total PFOA	413 > 368.7	1.03e2	7.55e3	0.118		4.21		0.171	1.4125	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-104.qld

Last Altered: Thursday, March 01, 2018 09:30:04 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:30:33 Pacific Standard Time

Name: 180224M1_104, Date: 25-Feb-2018, Time: 08:06:17, ID: 1800308-04 OF-RW56-0218 0.11816, Description: OF-RW56-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.44e3	0.118		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	2.83e3	0.118		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.36e3	0.118		5.45		0.000		

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-104.qld

Last Altered: Thursday, March 01, 2018 09:30:04 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:30:33 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_104, Date: 25-Feb-2018, Time: 08:06:17, ID: 1800308-04 OF-RW56-0218 0.11816, Description: OF-RW56-0218

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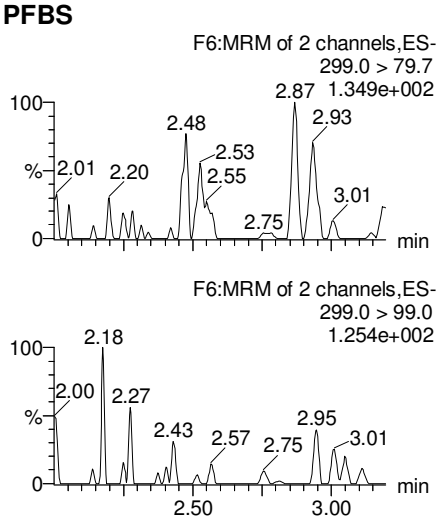
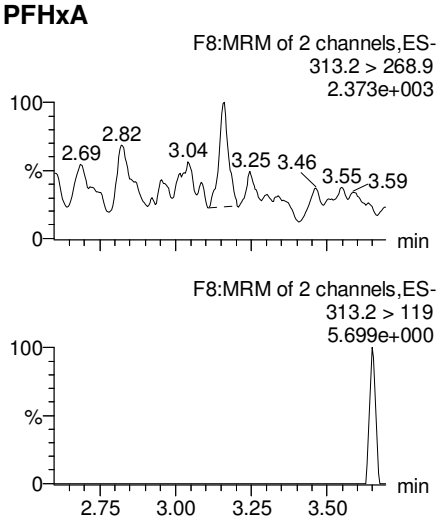


PFHxA



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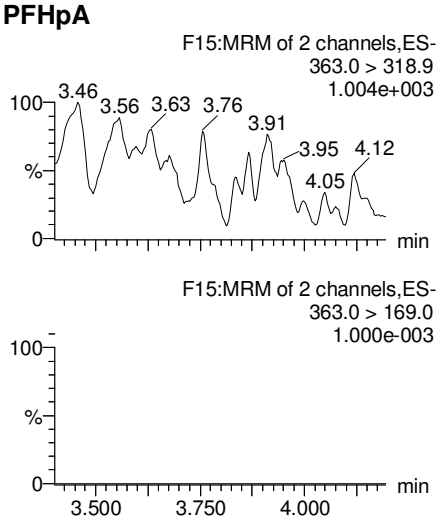

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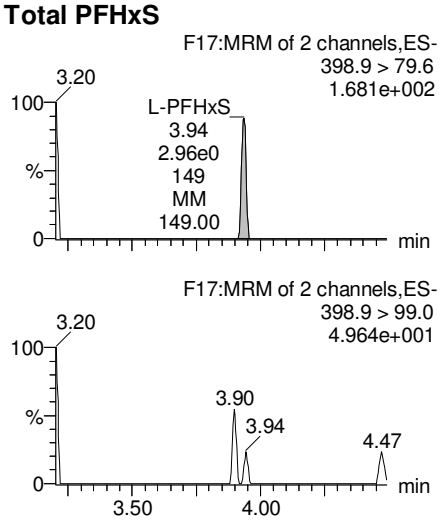

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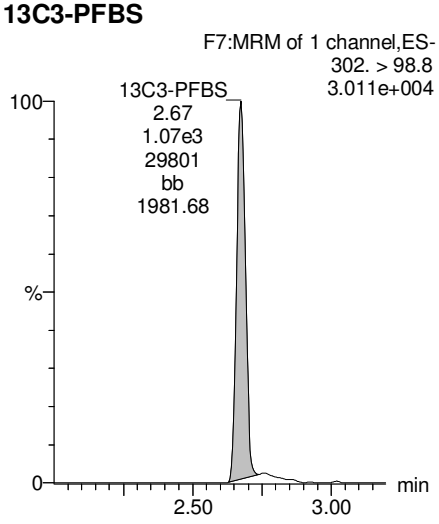

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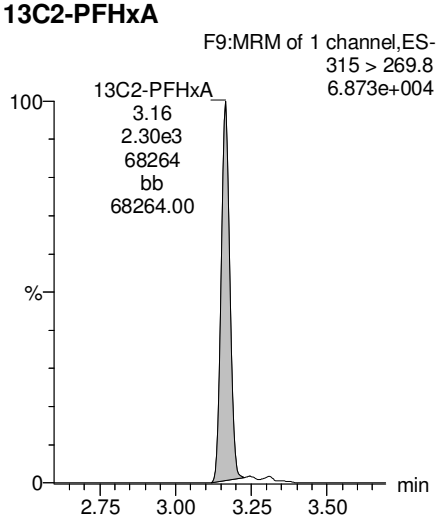

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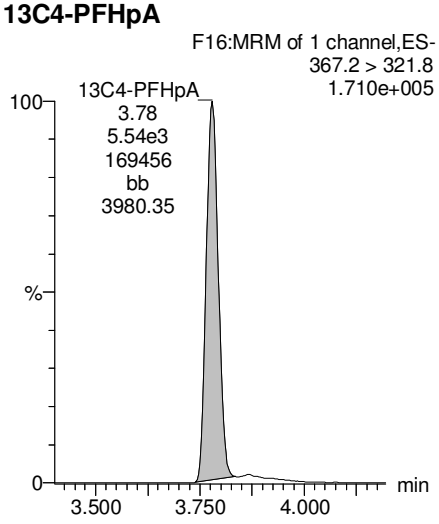

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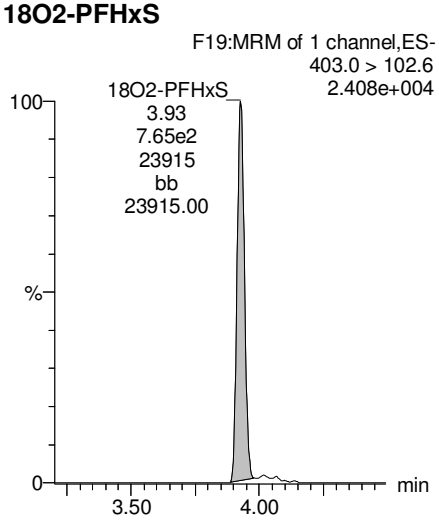


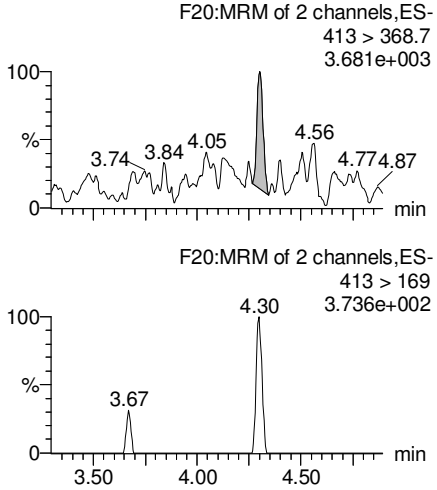
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-104.qld

Last Altered: Thursday, March 01, 2018 09:30:04 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:30:33 Pacific Standard Time

Name: 180224M1_104, Date: 25-Feb-2018, Time: 08:06:17, ID: 1800308-04 OF-RW56-0218 0.11816, Description: OF-RW56-0218

Total PFOA



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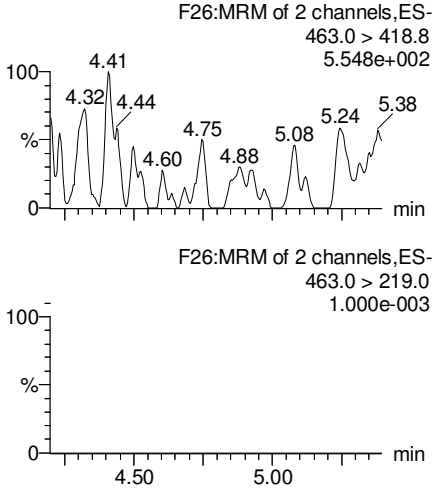
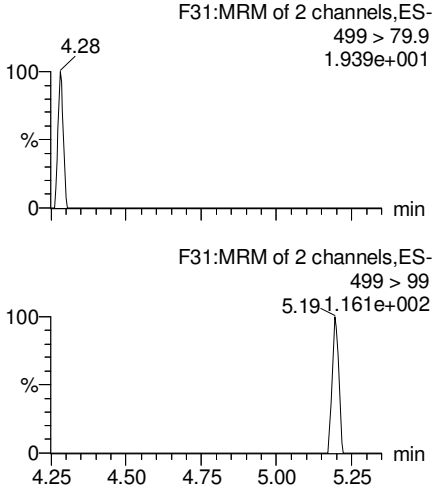
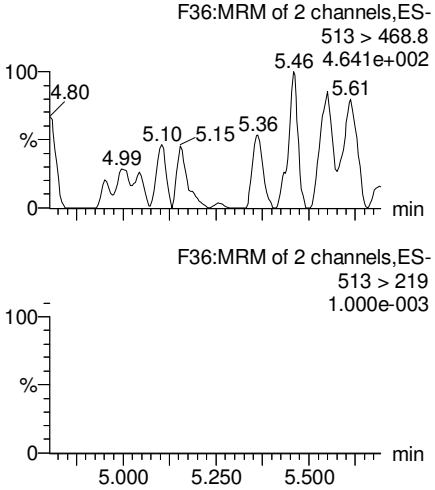


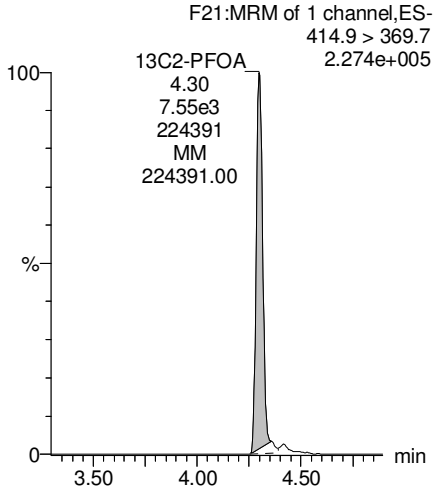
Total PFOS



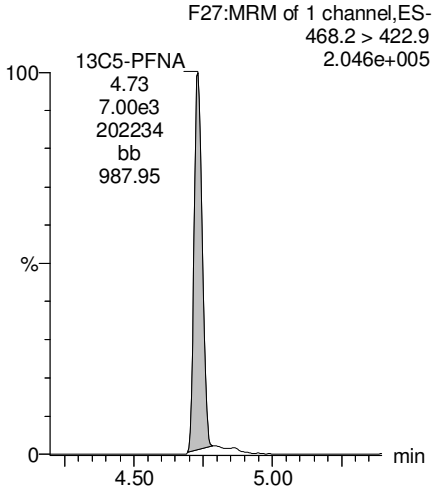
PFDA



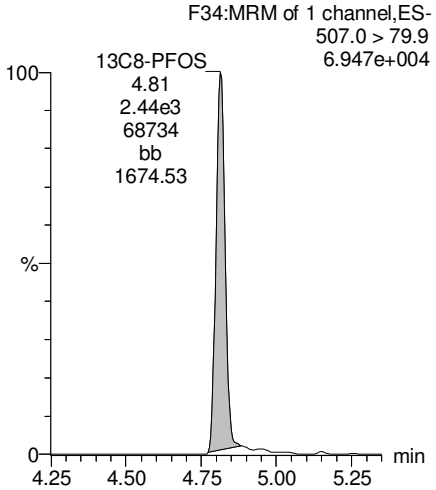
13C2-PFOA



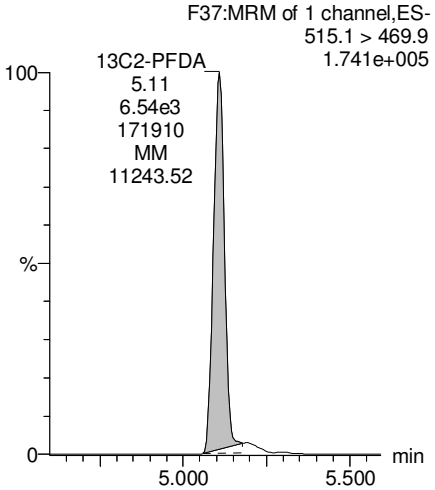
13C5-PFNA



13C8-PFOS



13C2-PFDA



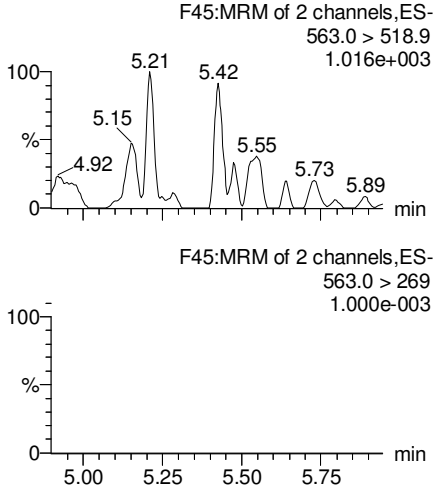
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-104.qld

Last Altered: Thursday, March 01, 2018 09:30:04 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:30:33 Pacific Standard Time

Name: 180224M1_104, Date: 25-Feb-2018, Time: 08:06:17, ID: 1800308-04 OF-RW56-0218 0.11816, Description: OF-RW56-0218

PFUdA



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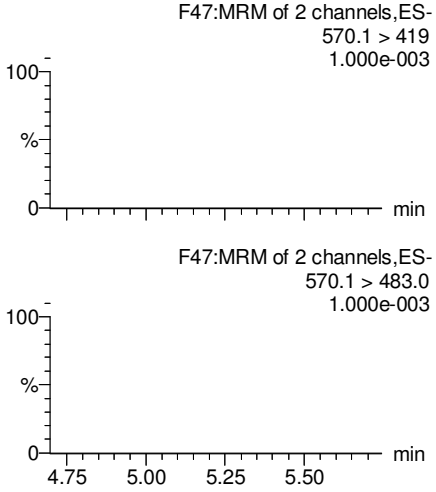

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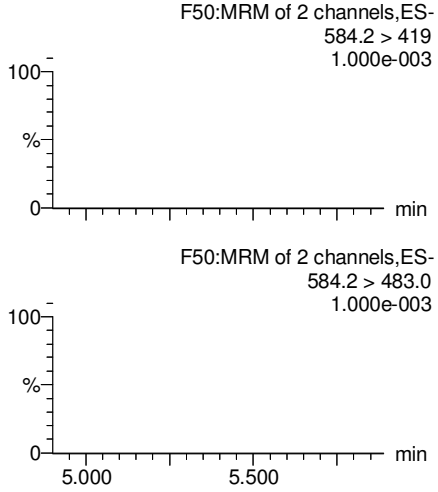
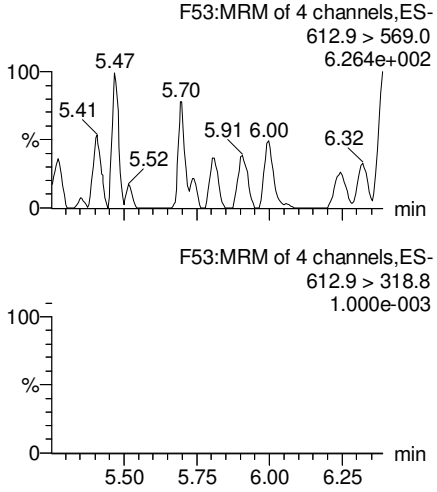


PFDoA



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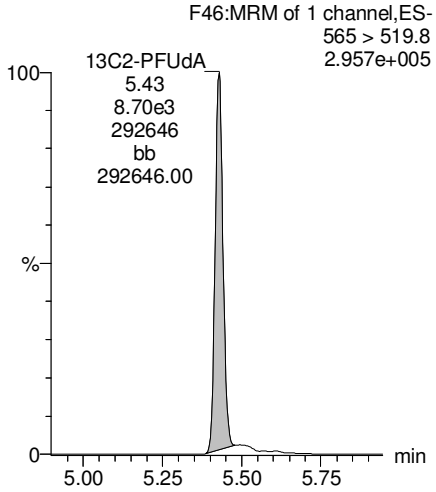
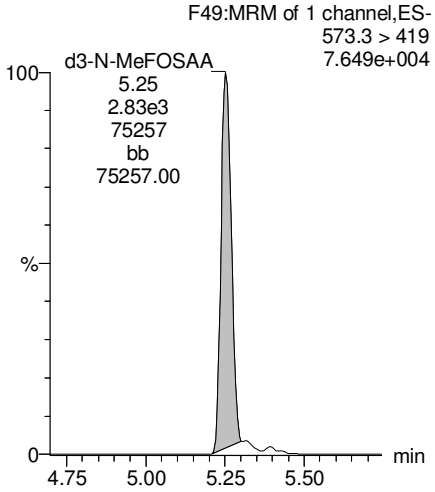
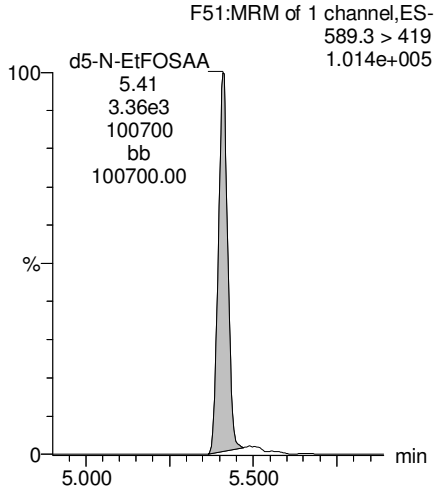


d3-N-MeFOSAA



d5-N-EtFOSAA



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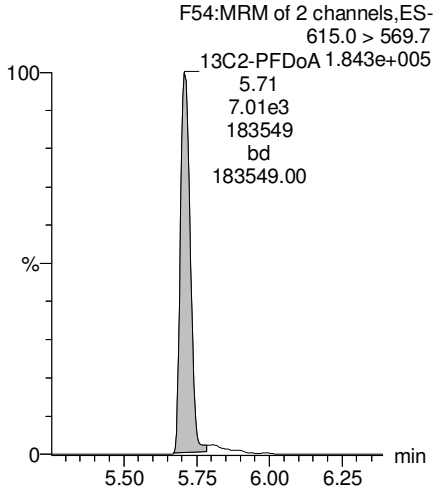


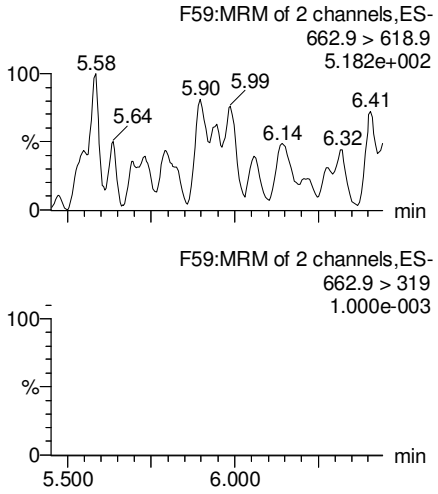
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-104.qld

Last Altered: Thursday, March 01, 2018 09:30:04 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:30:33 Pacific Standard Time

Name: 180224M1_104, Date: 25-Feb-2018, Time: 08:06:17, ID: 1800308-04 OF-RW56-0218 0.11816, Description: OF-RW56-0218

PFTrDA



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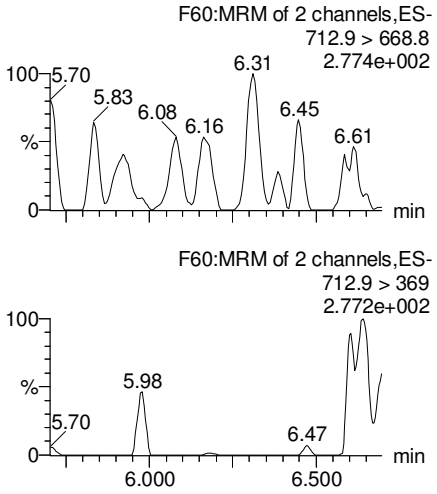
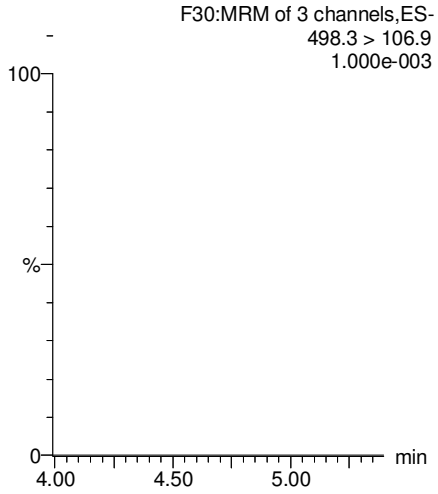
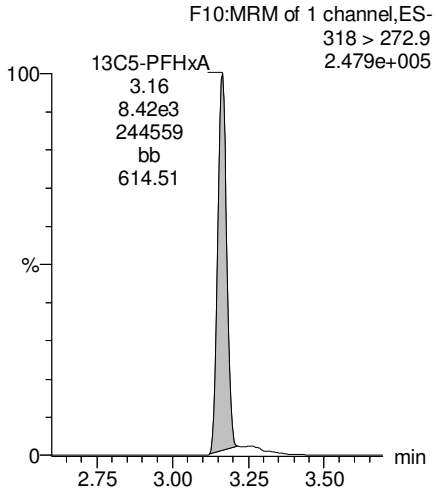


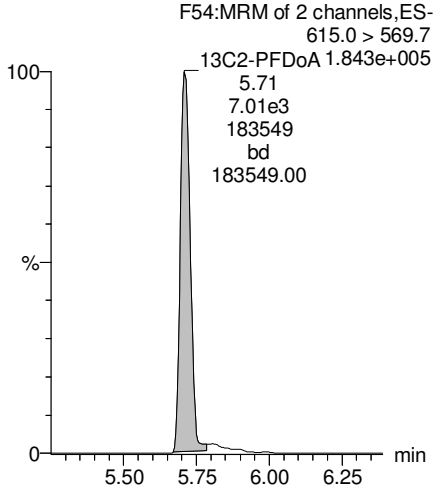
TCDA



13C5-PFHxA



13C2-PFDoA



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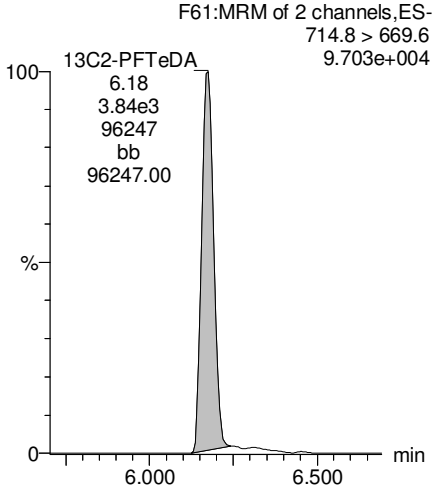
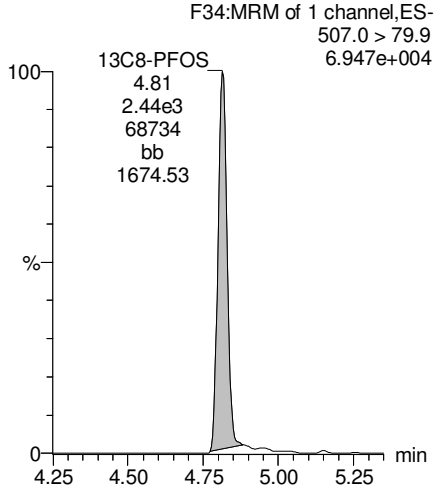
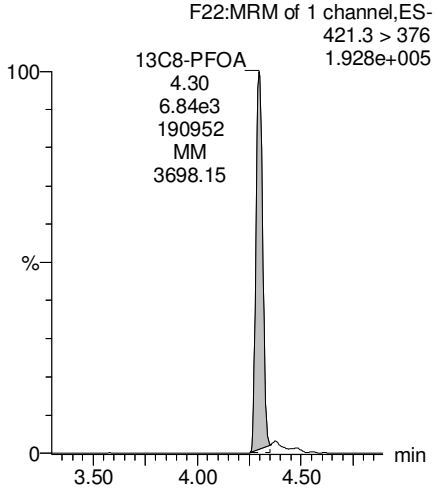


13C8-PFOS



13C8-PFOA



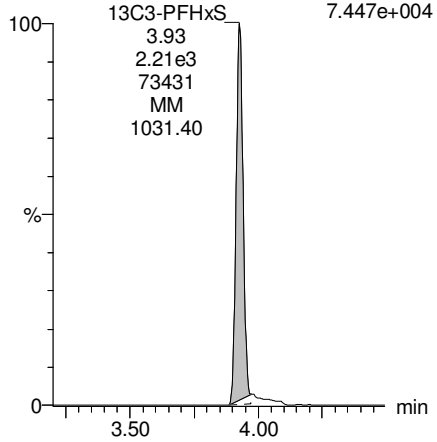
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-104.qld

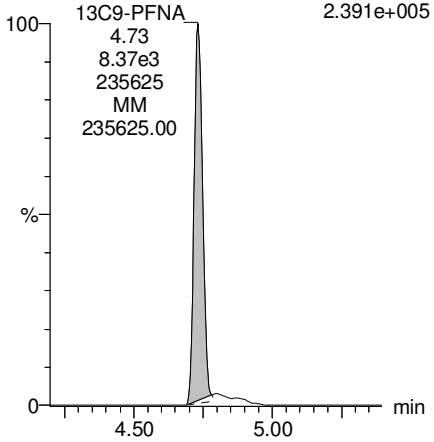
Last Altered: Thursday, March 01, 2018 09:30:04 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:30:33 Pacific Standard Time

Name: 180224M1_104, Date: 25-Feb-2018, Time: 08:06:17, ID: 1800308-04 OF-RW56-0218 0.11816, Description: OF-RW56-0218

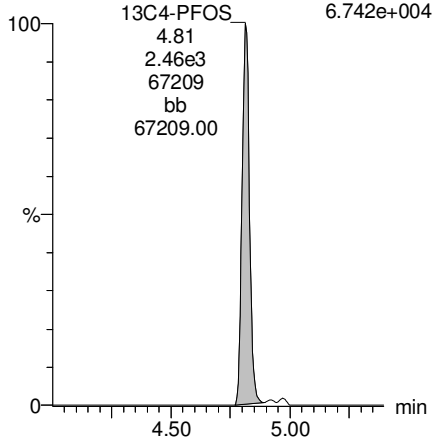
13C3-PFHxS



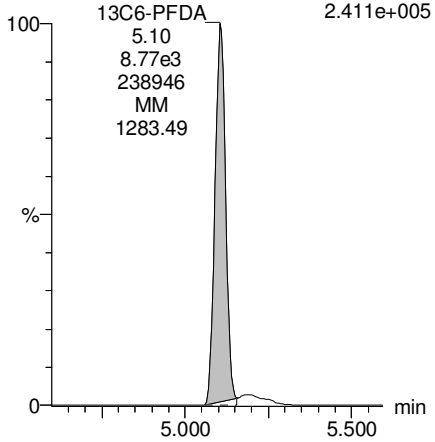
13C9-PFNA



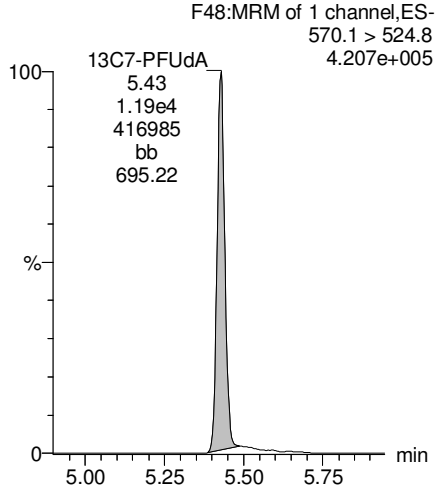
13C4-PFOS



13C6-PFDA



13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-99.qld

Last Altered: Thursday, March 01, 2018 09:40:42 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:41:06 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_99, Date: 25-Feb-2018, Time: 07:09:00, ID: B8B0111-MS1 Matrix Spike 0.11922, Description: Matrix Spike

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	1.70e3	1.09e3	0.119		2.60	2.68	19.5	88.1846	
2	5	PFHxA	313.2 > 268.9	7.32e3	2.35e3	0.119		3.19	3.17	15.5	86.4435	
3	7	PFHpA	363.0 > 318.9	6.88e3	6.50e3	0.119		3.81	3.78	13.2	84.8992	
4	8	L-PFHxS	398.9 > 79.6	1.23e3	8.62e2	0.119		4.17	3.93	17.8	80.9512	
5	11	L-PFOA	413 > 368.7	7.25e3	9.18e3	0.119		4.40	4.30	9.87	83.2890	
6	14	PFNA	463.0 > 418.8	7.63e3	7.00e3	0.119		4.76	4.74	13.6	90.8890	
7	16	L-PFOS	499 > 79.9	2.04e3	2.28e3	0.119		4.95	4.82	11.2	86.1444	
8	18	PFDA	513 > 468.8	8.32e3	8.49e3	0.119		5.14	5.11	12.3	78.5499	
9	21	N-MeFOSAA	570.1 > 419	3.47e3	3.63e3	0.119		5.29	5.26	12.0	69.2144	
10	22	N-EtFOSAA	584.2 > 419	2.97e3	3.77e3	0.119		5.45	5.42	9.86	80.6248	
11	23	PFUdA	563.0 > 518.9	8.16e3	9.51e3	0.119		5.46	5.43	10.7	90.6365	

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-99.qld

Last Altered: Thursday, March 01, 2018 09:40:42 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:41:14 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_99, Date: 25-Feb-2018, Time: 07:09:00, ID: B8B0111-MS1 Matrix Spike 0.11922, Description: Matrix Spike

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0	8.73e3	9.17e3	0.119		5.74	5.71	11.9	80.7276	
2	27	PFTrDA	662.9 > 618.9	1.06e4	9.17e3	0.119		5.98	5.96	14.4	91.6950	
3	28	PFTeDA	712.9 > 668.8	9.04e3	4.14e3	0.119		6.20	6.18	27.3	119.2143	
4	36	13C3-PFBS	302. > 98.8	1.09e3	9.18e3	0.119	0.116	2.69	2.67	1.48	107.3248	102.4
5	37	13C2-PFHxA	315 > 269.8	2.35e3	9.18e3	0.119	0.732	3.19	3.16	3.21	36.7212	87.6
6	38	13C4-PFHpA	367.2 > 321.8	6.50e3	9.18e3	0.119	0.717	3.81	3.78	8.85	103.5364	98.7
7	39	18O2-PFHxS	403.0 > 102.6	8.62e2	2.55e3	0.119	0.368	3.96	3.93	4.23	96.4022	91.9
8	40	13C2-PFOA	414.9 > 369.7	9.18e3	8.24e3	0.119	1.311	4.33	4.30	13.9	89.0846	85.0
9	41	13C5-PFNA	468.2 > 422.9	7.00e3	9.59e3	0.119	0.974	4.76	4.74	9.12	78.5354	74.9
10	42	13C8-PFOSA	506.1 > 77.7	1.62e3	1.10e4	0.119	0.187	4.83	4.80	1.84	82.4864	78.7
11	43	13C8-PFOS	507.0 > 79.9	2.28e3	2.42e3	0.119	1.075	4.84	4.81	11.8	92.0460	87.8
12	44	13C2-PFDA	515.1 > 469.9	8.49e3	1.07e4	0.119	1.019	5.14	5.11	9.88	81.3251	77.6
13	45	d3-N-MeFOSAA	573.3 > 419	3.63e3	1.10e4	0.119	0.325	5.29	5.26	4.14	106.7592	101.8
14	46	d5-N-EtFOSAA	589.3 > 419	3.77e3	1.10e4	0.119	0.345	5.45	5.41	4.30	104.4449	99.6
15	47	13C2-PFUdA	565 > 519.8	9.51e3	1.10e4	0.119	1.071	5.46	5.43	10.8	84.8283	80.9
16	48	13C2-PFDoA	615.0 > 569.7	9.17e3	1.10e4	0.119	0.995	5.74	5.72	10.5	88.1397	84.1
17	49	d3-N-MeFOSA	515.2 > 168.9		1.10e4	0.119	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	4.14e3	1.10e4	0.119	0.551	6.20	6.18	4.71	71.6652	68.4
19	51	d5-N-ETFOSA	531.1 > 168.9		1.10e4	0.119	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	3.46e3	1.10e4	0.119	0.752	6.51	6.50	3.94	43.9560	104.8
21	53	d7-N-MeFOSE	623.1 > 58.9		1.10e4	0.119	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.10e4	0.119	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.57e3	8.57e3	0.119	1.000	1.46	1.44	12.5	104.8482	100.0
24	56	13C5-PFHxA	318 > 272.9	9.18e3	9.18e3	0.119	1.000	3.19	3.16	12.5	104.8482	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.55e3	2.55e3	0.119	1.000	3.96	3.93	12.5	104.8482	100.0
26	58	13C8-PFOA	421.3 > 376	8.24e3	8.24e3	0.119	1.000	4.33	4.30	12.5	104.8482	100.0
27	59	13C9-PFNA	472.2 > 426.9	9.59e3	9.59e3	0.119	1.000	4.70	4.74	12.5	104.8482	100.0
28	60	13C4-PFOS	503 > 79.9	2.42e3	2.42e3	0.119	1.000	4.84	4.82	12.5	104.8482	100.0
29	61	13C6-PFDA	519.1 > 473.7	1.07e4	1.07e4	0.119	1.000	5.14	5.11	12.5	104.8482	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.10e4	1.10e4	0.119	1.000	5.46	5.43	12.5	104.8482	100.0
31	63	Total PFHxS	398.9 > 79.6	1.23e3	8.62e2	0.119		3.85		17.8	80.9512	
32	64	Total PFOA	413 > 368.7	7.25e3	9.18e3	0.119		4.21		9.87	83.2890	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-99.qld

Last Altered: Thursday, March 01, 2018 09:40:42 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:41:14 Pacific Standard Time

Name: 180224M1_99, Date: 25-Feb-2018, Time: 07:09:00, ID: B8B0111-MS1 Matrix Spike 0.11922, Description: Matrix Spike

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	2.04e3	2.28e3	0.119		4.73		11.2	86.1444	
34	66	Total N-MeFOSAA	570.1 > 419	3.47e3	3.63e3	0.119		5.29		12.0	69.2144	
35	67	Total N-EtFOSAA	584.2 > 419	2.97e3	3.77e3	0.119		5.45		9.86	80.6248	

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

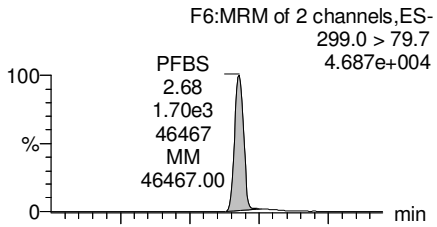
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-99.qld

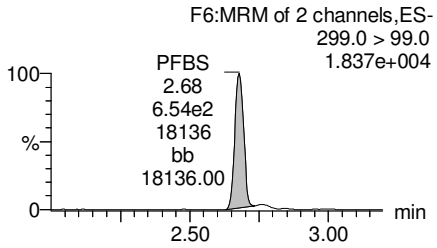
Last Altered: Thursday, March 01, 2018 09:40:42 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:41:14 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

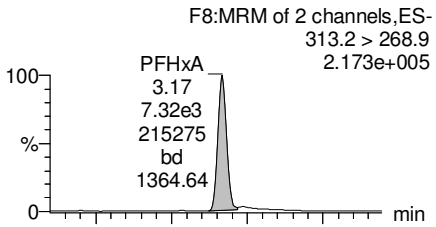
Name: 180224M1_99, Date: 25-Feb-2018, Time: 07:09:00, ID: B8B0111-MS1 Matrix Spike 0.11922, Description: Matrix Spike

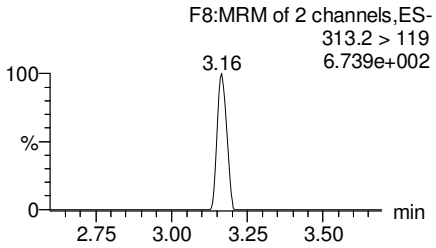
PFBS



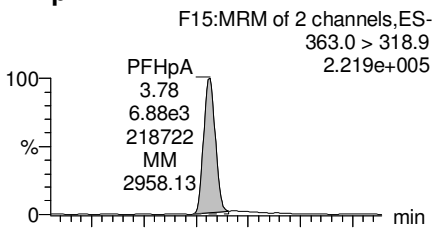


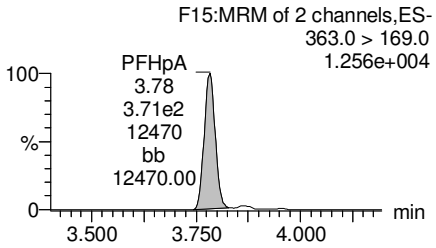
PFHxA



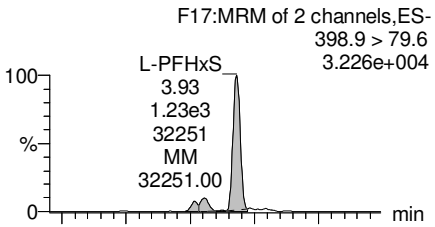


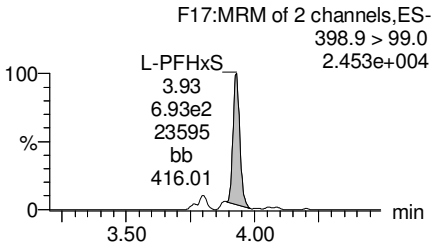
PFHpA



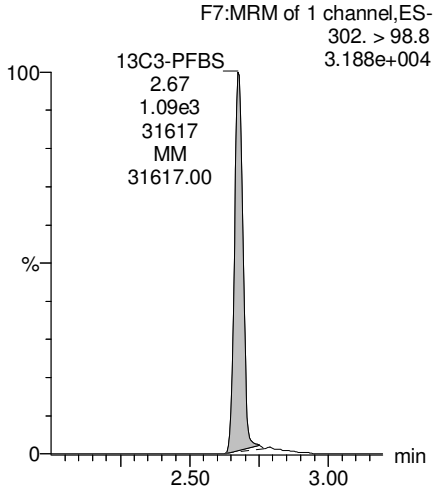


Total PFHxS

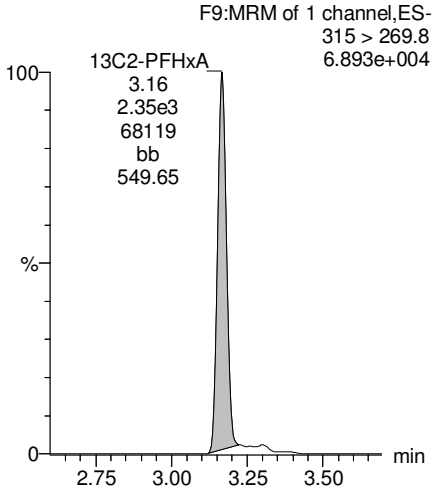




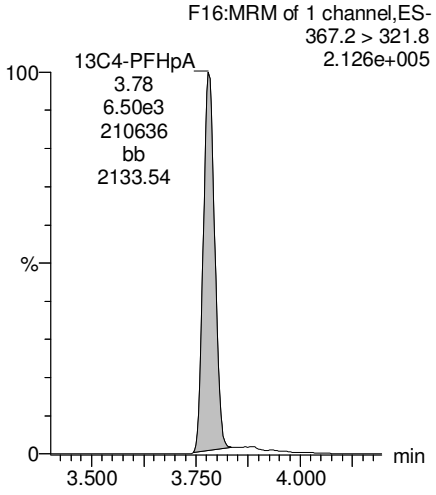
13C3-PFBS



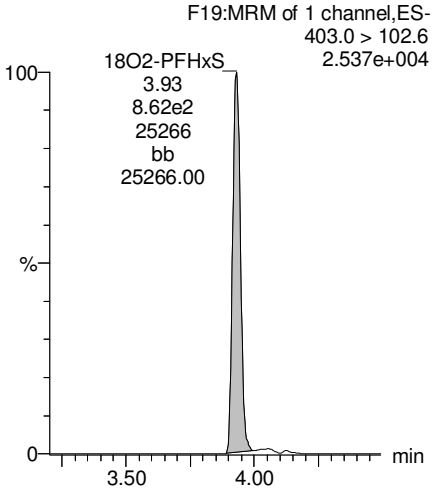
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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Vista Analytical Laboratory

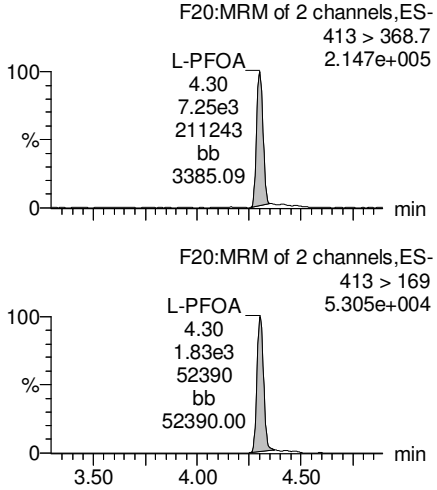
Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-99.qld

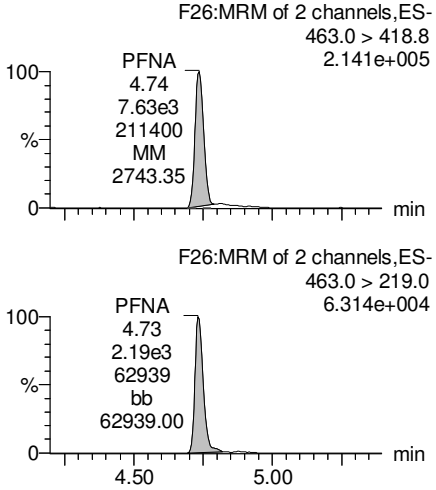
Last Altered: Thursday, March 01, 2018 09:40:42 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:41:14 Pacific Standard Time

Name: 180224M1_99, Date: 25-Feb-2018, Time: 07:09:00, ID: B8B0111-MS1 Matrix Spike 0.11922, Description: Matrix Spike

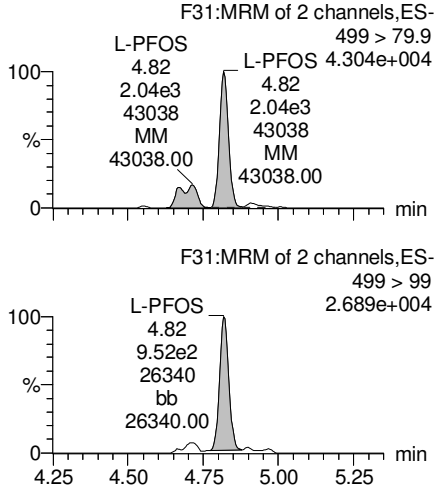
Total PFOA



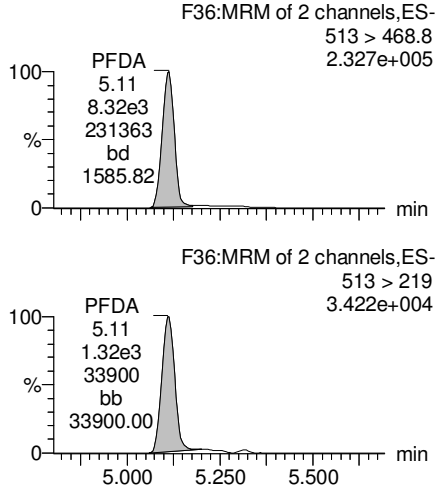
PFNA



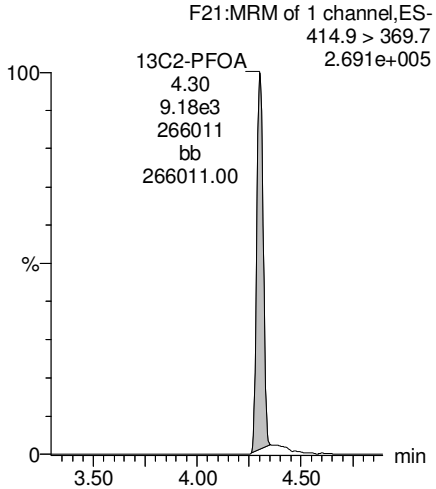
Total PFOS



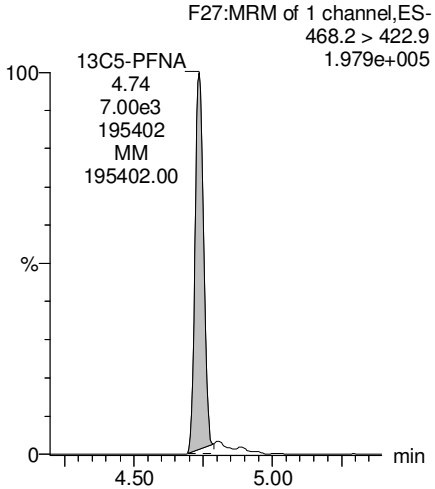
PFDA



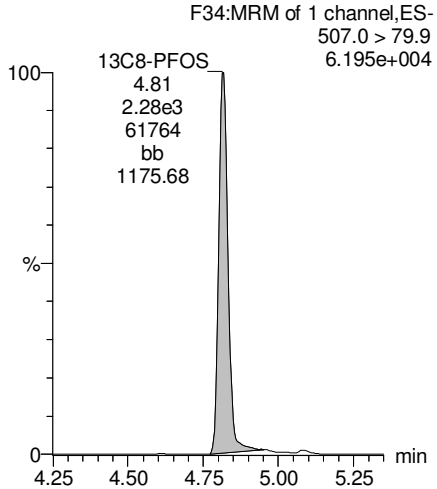
13C2-PFOA



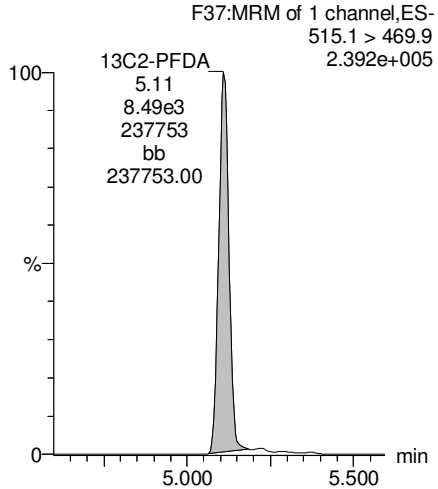
13C5-PFNA



13C8-PFOS



13C2-PFDA



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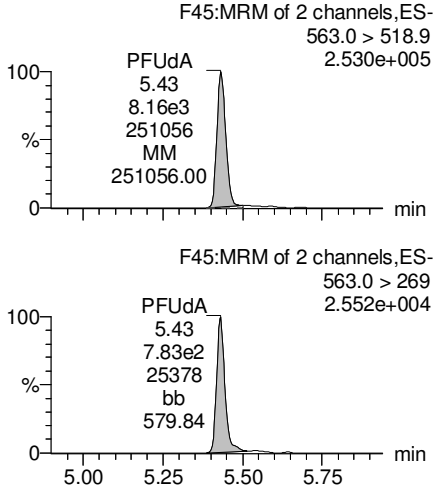
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-99.qld

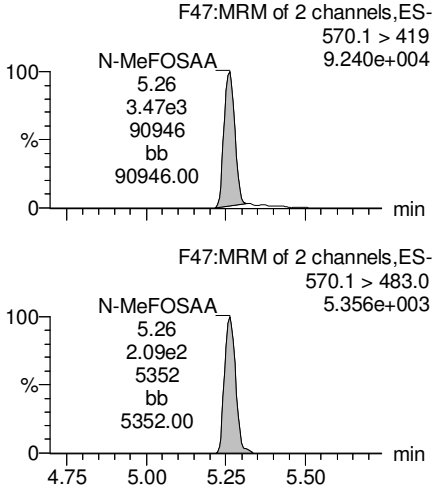
Last Altered: Thursday, March 01, 2018 09:40:42 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:41:14 Pacific Standard Time

Name: 180224M1_99, Date: 25-Feb-2018, Time: 07:09:00, ID: B8B0111-MS1 Matrix Spike 0.11922, Description: Matrix Spike

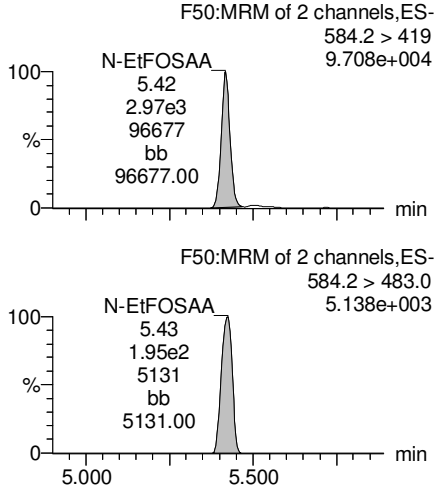
PFUdA



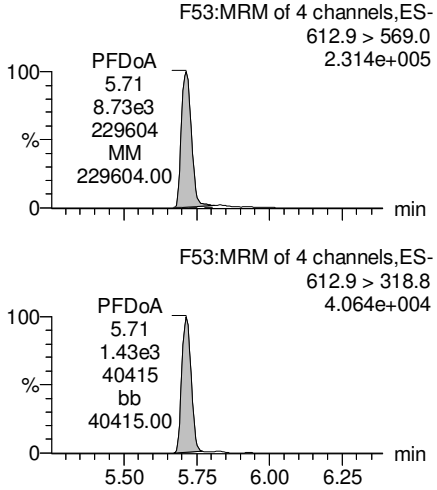
N-MeFOSAA



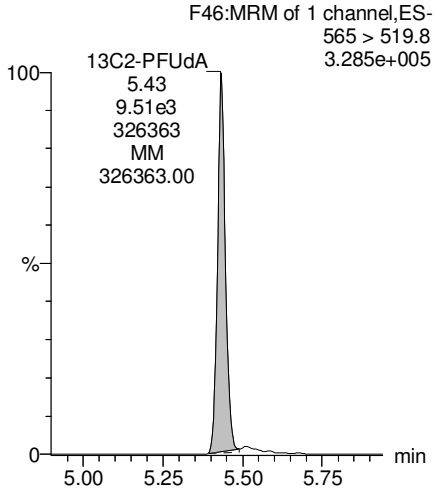
N-EtFOSAA



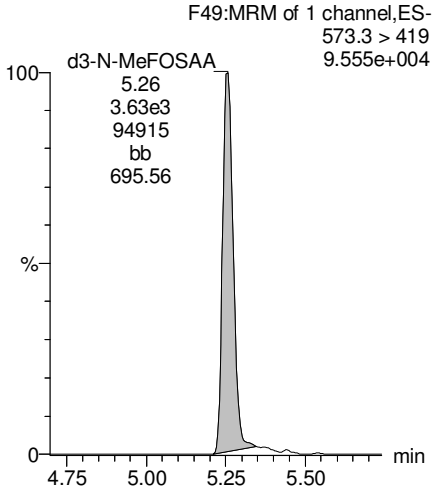
PFDoA



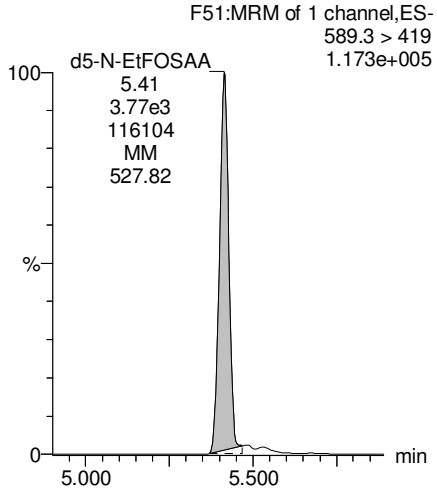
13C2-PFUdA



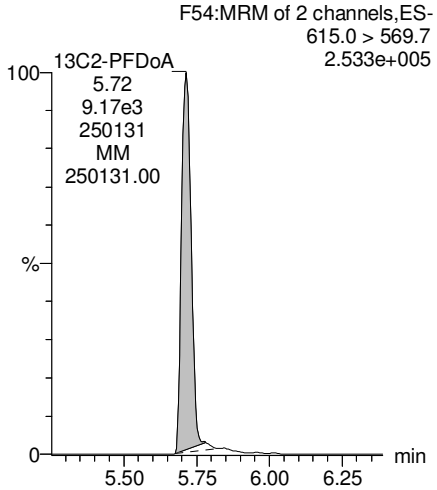
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



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Vista Analytical Laboratory

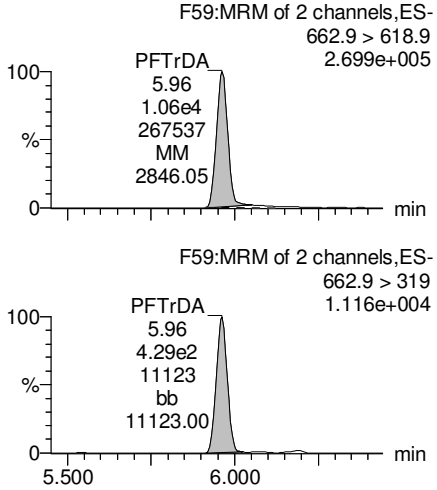
Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-99.qld

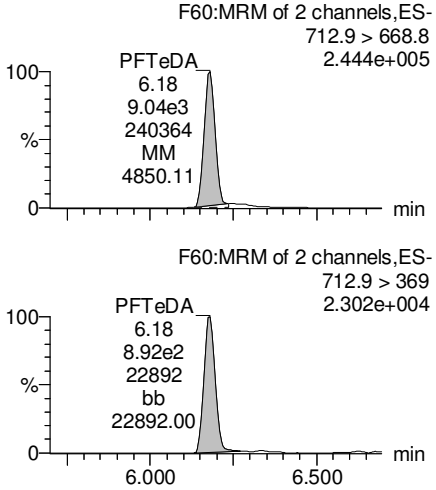
Last Altered: Thursday, March 01, 2018 09:40:42 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:41:14 Pacific Standard Time

Name: 180224M1_99, Date: 25-Feb-2018, Time: 07:09:00, ID: B8B0111-MS1 Matrix Spike 0.11922, Description: Matrix Spike

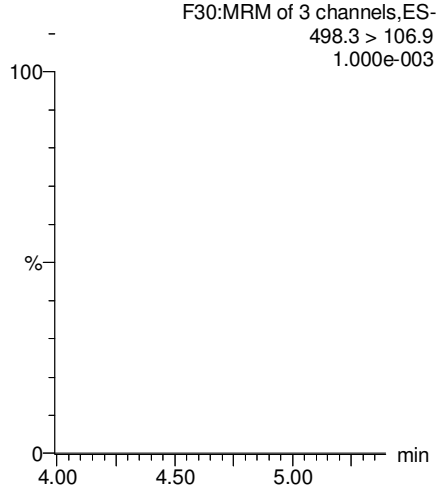
PFTrDA



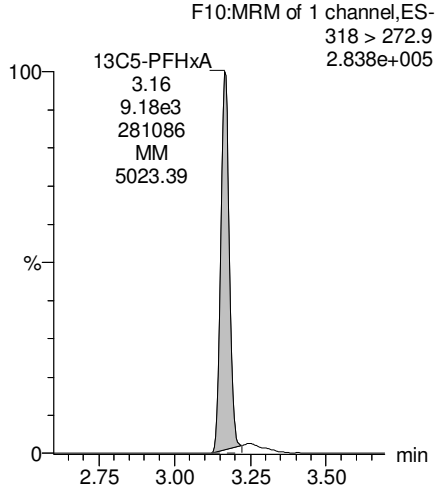
PFTeDA



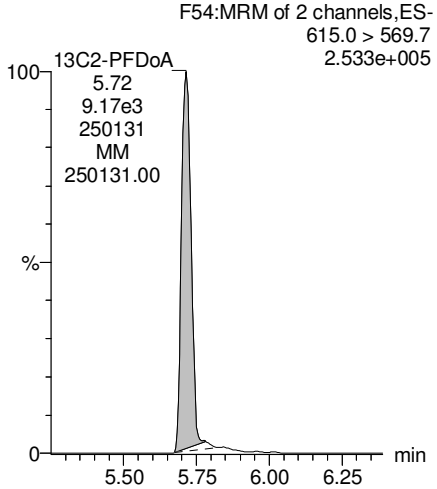
TCDA



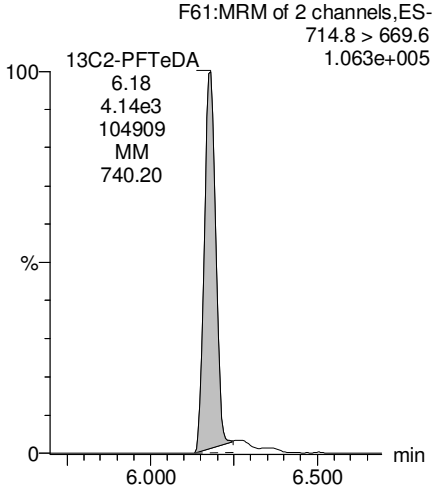
13C5-PFHxA



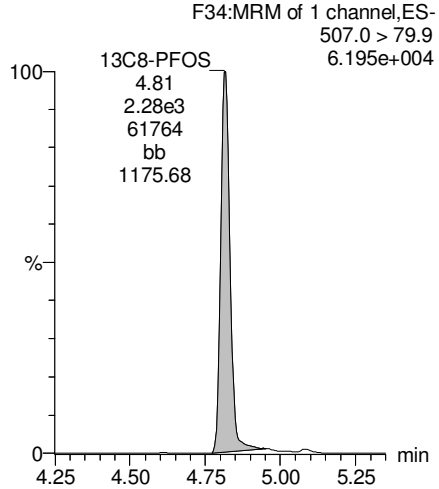
13C2-PFDoA



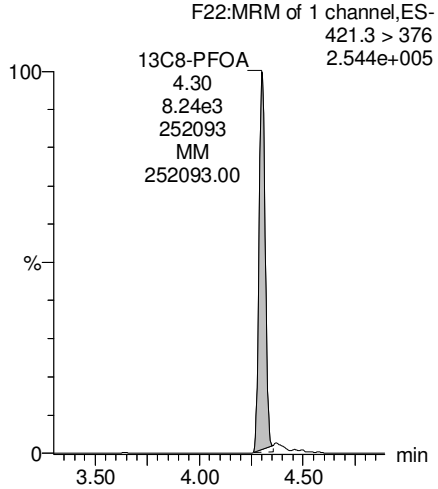
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



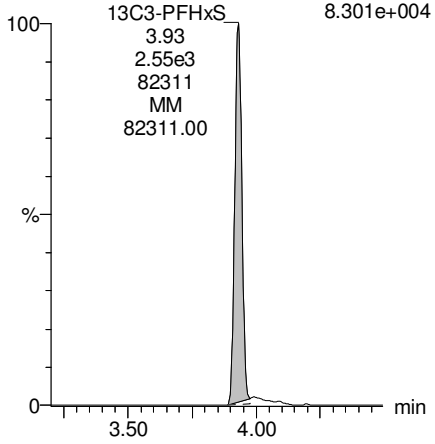
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-99.qld

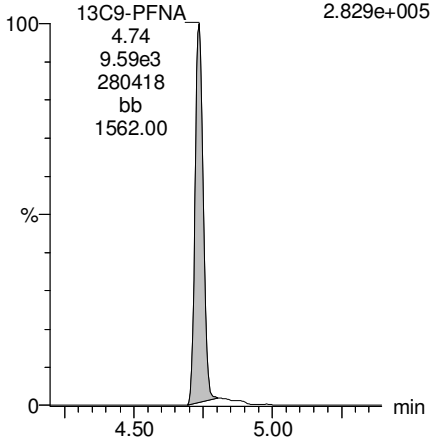
Last Altered: Thursday, March 01, 2018 09:40:42 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:41:14 Pacific Standard Time

Name: 180224M1_99, Date: 25-Feb-2018, Time: 07:09:00, ID: B8B0111-MS1 Matrix Spike 0.11922, Description: Matrix Spike

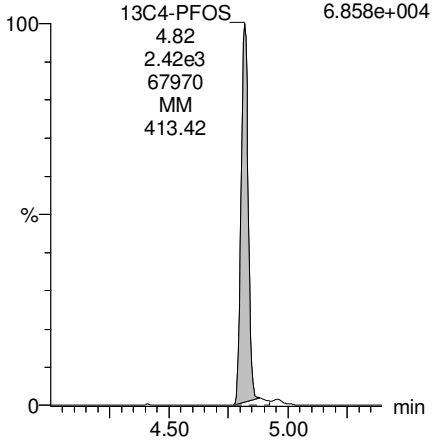
13C3-PFHxS



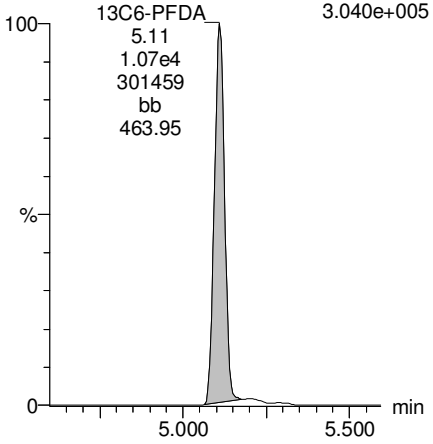
13C9-PFNA



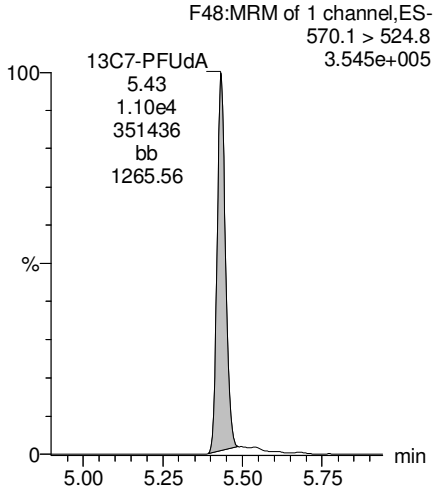
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-100.qld

Last Altered: Thursday, March 01, 2018 09:43:45 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:44:08 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_100, Date: 25-Feb-2018, Time: 07:20:29, ID: B8B0111-MSD1 Matrix Spike Dup 0.1198, Description: Matrix Spike Dup

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	1.75e3	1.05e3	0.120		2.60	2.67	20.9	93.8644	
2	5	PFHxA	313.2 > 268.9	7.59e3	2.38e3	0.120		3.19	3.17	16.0	88.3557	
3	7	PFHpA	363.0 > 318.9	6.08e3	6.01e3	0.120		3.81	3.78	12.7	80.8152	
4	8	L-PFHxS	398.9 > 79.6	1.29e3	8.26e2	0.120		4.17	3.93	19.6	88.7003	
5	11	L-PFOA	413 > 368.7	8.16e3	8.36e3	0.120		4.40	4.30	12.2	102.4227	
6	14	PFNA	463.0 > 418.8	7.98e3	7.34e3	0.120		4.76	4.74	13.6	90.3160	
7	16	L-PFOS	499 > 79.9	1.97e3	2.00e3	0.120		4.95	4.82	12.3	94.2372	
8	18	PFDA	513 > 468.8	7.24e3	6.78e3	0.120		5.14	5.11	13.4	85.1794	
9	21	N-MeFOSAA	570.1 > 419	4.27e3	3.10e3	0.120		5.29	5.26	17.2	99.2050	
10	22	N-EtFOSAA	584.2 > 419	2.97e3	3.50e3	0.120		5.45	5.42	10.6	86.0899	
11	23	PFUdA	563.0 > 518.9	6.65e3	8.35e3	0.120		5.46	5.43	9.96	83.7118	

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-100.qld

Last Altered: Thursday, March 01, 2018 09:43:45 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:44:17 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_100, Date: 25-Feb-2018, Time: 07:20:29, ID: B8B0111-MSD1 Matrix Spike Dup 0.1198, Description: Matrix Spike Dup

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0	7.20e3	8.36e3	0.120		5.74	5.71	10.8	72.5570	
2	27	PFTrDA	662.9 > 618.9	1.20e4	8.36e3	0.120		5.98	5.96	17.9	113.7167	
3	28	PFTeDA	712.9 > 668.8	9.45e3	5.36e3	0.120		6.20	6.18	22.1	95.2846	
4	36	13C3-PFBS	302. > 98.8	1.05e3	8.97e3	0.120	0.116	2.69	2.67	1.46	104.9090	100.5
5	37	13C2-PFHxA	315 > 269.8	2.38e3	8.97e3	0.120	0.732	3.19	3.16	3.31	37.7339	90.4
6	38	13C4-PFHpA	367.2 > 321.8	6.01e3	8.97e3	0.120	0.717	3.81	3.78	8.37	97.4531	93.4
7	39	18O2-PFHxS	403.0 > 102.6	8.26e2	2.23e3	0.120	0.368	3.96	3.93	4.62	104.8857	100.5
8	40	13C2-PFOA	414.9 > 369.7	8.36e3	7.15e3	0.120	1.311	4.33	4.30	14.6	93.1073	89.2
9	41	13C5-PFNA	468.2 > 422.9	7.34e3	1.09e4	0.120	0.974	4.76	4.74	8.44	72.3366	69.3
10	42	13C8-PFOSA	506.1 > 77.7	1.56e3	9.90e3	0.120	0.187	4.83	4.80	1.97	87.7802	84.1
11	43	13C8-PFOS	507.0 > 79.9	2.00e3	2.23e3	0.120	1.075	4.84	4.82	11.2	87.3505	83.7
12	44	13C2-PFDA	515.1 > 469.9	6.78e3	8.20e3	0.120	1.019	5.14	5.11	10.3	84.6529	81.1
13	45	d3-N-MeFOSAA	573.3 > 419	3.10e3	9.90e3	0.120	0.325	5.29	5.25	3.91	100.3273	96.2
14	46	d5-N-EtFOSAA	589.3 > 419	3.50e3	9.90e3	0.120	0.345	5.45	5.41	4.42	106.9918	102.5
15	47	13C2-PFUdA	565 > 519.8	8.35e3	9.90e3	0.120	1.071	5.46	5.43	10.5	82.1318	78.7
16	48	13C2-PFDoA	615.0 > 569.7	8.36e3	9.90e3	0.120	0.995	5.74	5.72	10.6	88.5365	84.9
17	49	d3-N-MeFOSA	515.2 > 168.9		9.90e3	0.120	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	5.36e3	9.90e3	0.120	0.551	6.20	6.18	6.76	102.3417	98.1
19	51	d5-N-ETFOSA	531.1 > 168.9		9.90e3	0.120	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	3.49e3	9.90e3	0.120	0.752	6.51	6.50	4.40	48.9191	117.2
21	53	d7-N-MeFOSE	623.1 > 58.9		9.90e3	0.120	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		9.90e3	0.120	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.19e3	8.19e3	0.120	1.000	1.46	1.44	12.5	104.3406	100.0
24	56	13C5-PFHxA	318 > 272.9	8.97e3	8.97e3	0.120	1.000	3.19	3.16	12.5	104.3406	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.23e3	2.23e3	0.120	1.000	3.96	3.93	12.5	104.3406	100.0
26	58	13C8-PFOA	421.3 > 376	7.15e3	7.15e3	0.120	1.000	4.33	4.30	12.5	104.3406	100.0
27	59	13C9-PFNA	472.2 > 426.9	1.09e4	1.09e4	0.120	1.000	4.70	4.73	12.5	104.3406	100.0
28	60	13C4-PFOS	503 > 79.9	2.23e3	2.23e3	0.120	1.000	4.84	4.82	12.5	104.3406	100.0
29	61	13C6-PFDA	519.1 > 473.7	8.20e3	8.20e3	0.120	1.000	5.14	5.11	12.5	104.3406	100.0
30	62	13C7-PFUdA	570.1 > 524.8	9.90e3	9.90e3	0.120	1.000	5.46	5.43	12.5	104.3406	100.0
31	63	Total PFHxS	398.9 > 79.6	1.29e3	8.26e2	0.120		3.85		19.6	88.7003	
32	64	Total PFOA	413 > 368.7	8.16e3	8.36e3	0.120		4.21		12.2	102.4227	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-100.qld

Last Altered: Thursday, March 01, 2018 09:43:45 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:44:17 Pacific Standard Time

Name: 180224M1_100, Date: 25-Feb-2018, Time: 07:20:29, ID: B8B0111-MSD1 Matrix Spike Dup 0.1198, Description: Matrix Spike Dup

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	1.97e3	2.00e3	0.120		4.73		12.3	94.2372	
34	66	Total N-MeFOSAA	570.1 > 419	4.27e3	3.10e3	0.120		5.29		17.2	99.2050	
35	67	Total N-EtFOSAA	584.2 > 419	2.97e3	3.50e3	0.120		5.45		10.6	86.0899	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

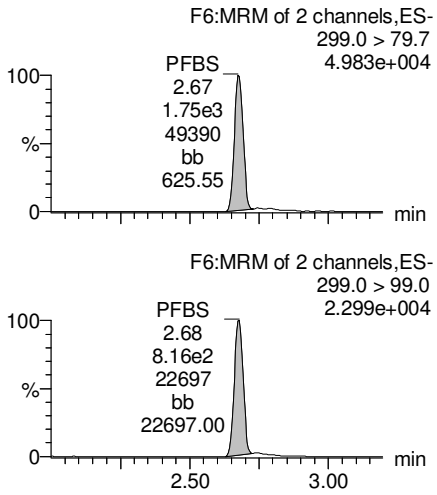
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-100.qld

Last Altered: Thursday, March 01, 2018 09:43:45 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:44:17 Pacific Standard Time

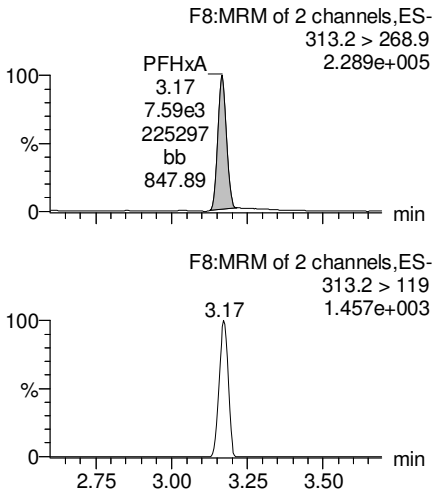
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_100, Date: 25-Feb-2018, Time: 07:20:29, ID: B8B0111-MSD1 Matrix Spike Dup 0.1198, Description: Matrix Spike Dup

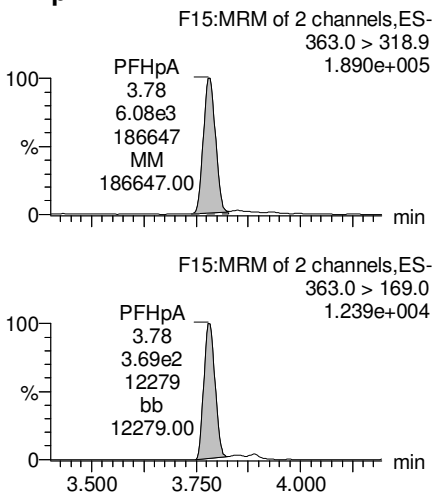
PFBS



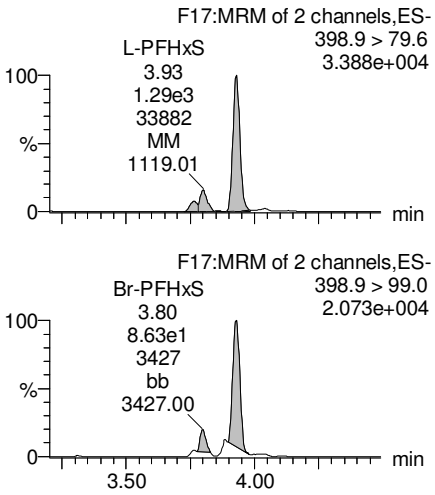
PFHxA



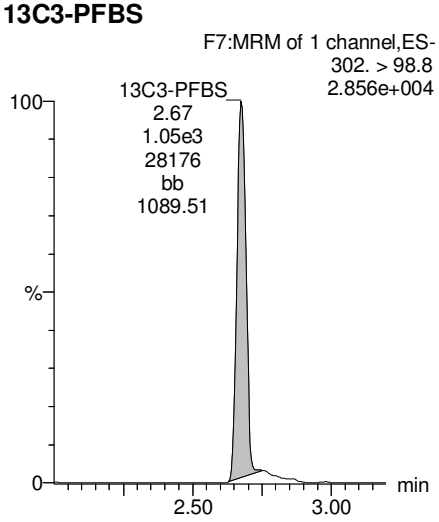
PFHpA



Total PFHxS



13C3-PFBS



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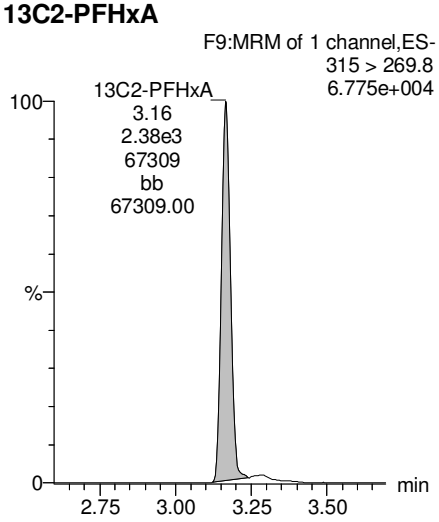

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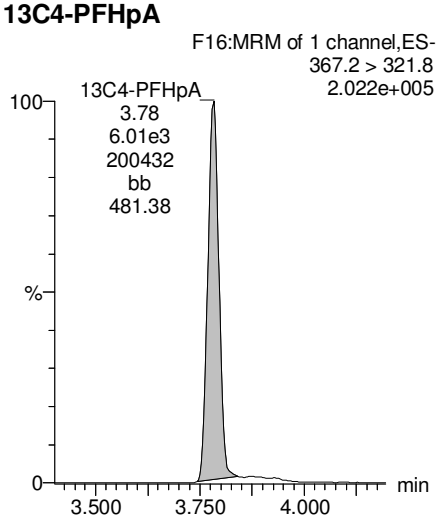
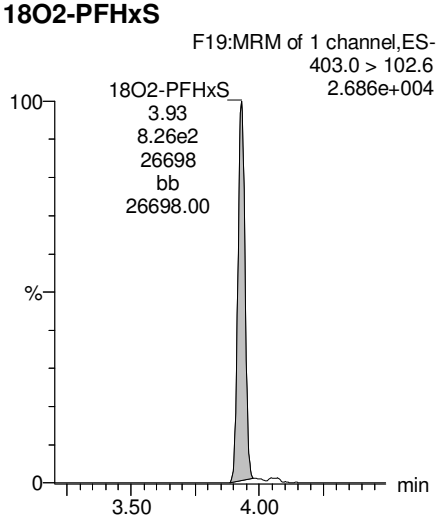


18O2-PFHxS



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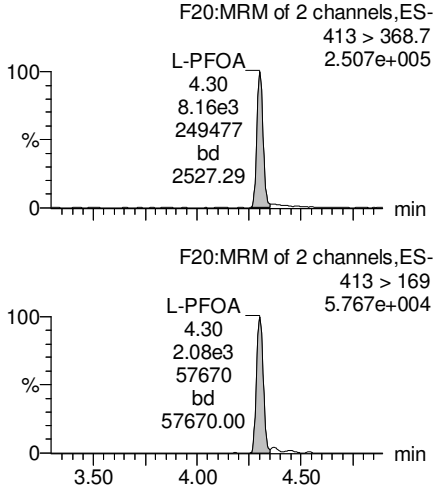
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-100.qld

Last Altered: Thursday, March 01, 2018 09:43:45 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:44:17 Pacific Standard Time

Name: 180224M1_100, Date: 25-Feb-2018, Time: 07:20:29, ID: B8B0111-MSD1 Matrix Spike Dup 0.1198, Description: Matrix Spike Dup

Total PFOA



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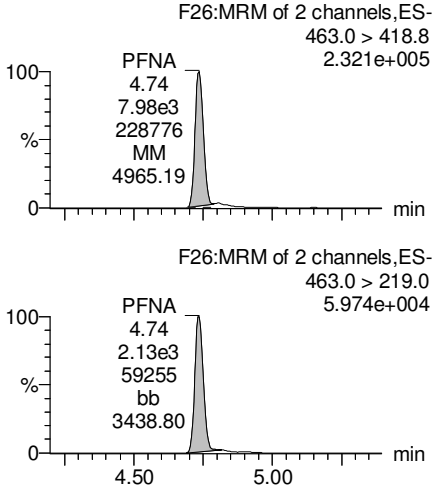
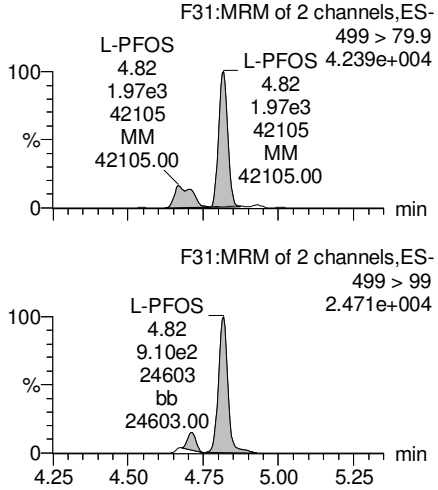


Total PFOS



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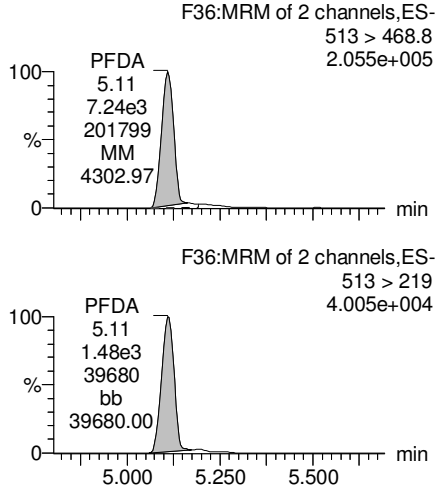
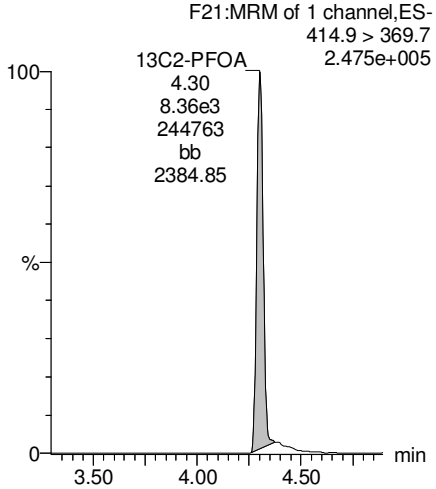
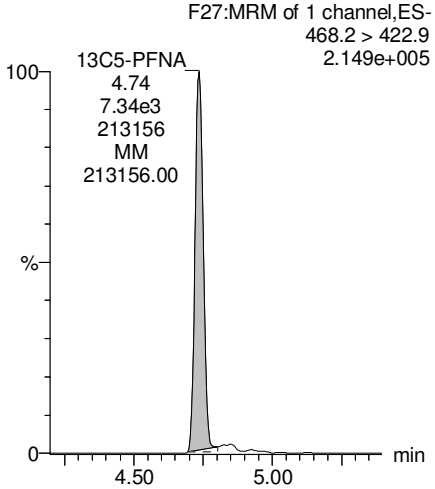


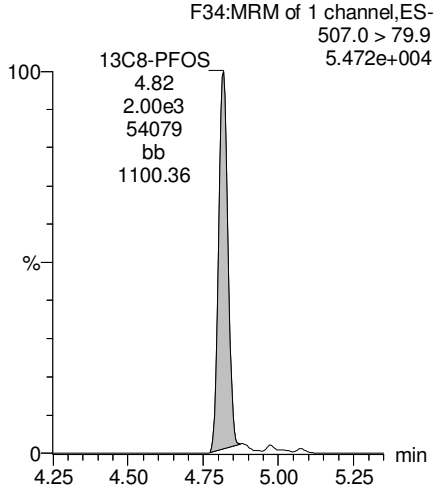
13C2-PFOA



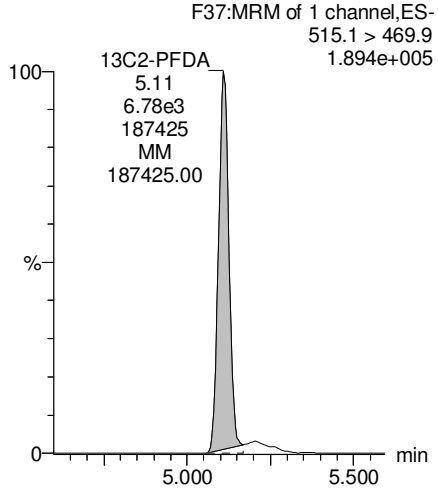
13C5-PFNA



13C8-PFOS



13C2-PFDA



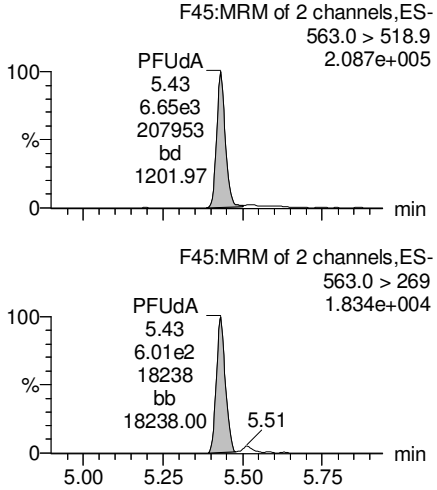
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-100.qld

Last Altered: Thursday, March 01, 2018 09:43:45 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:44:17 Pacific Standard Time

Name: 180224M1_100, Date: 25-Feb-2018, Time: 07:20:29, ID: B8B0111-MSD1 Matrix Spike Dup 0.1198, Description: Matrix Spike Dup

PFUdA



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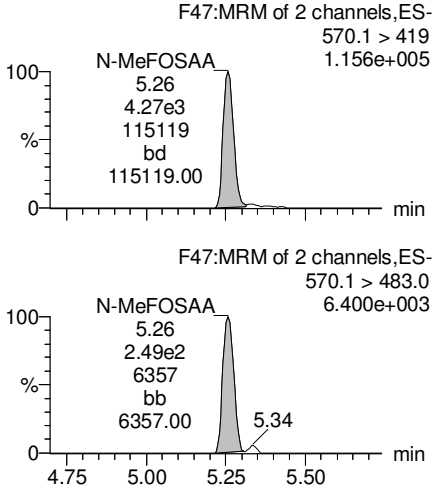

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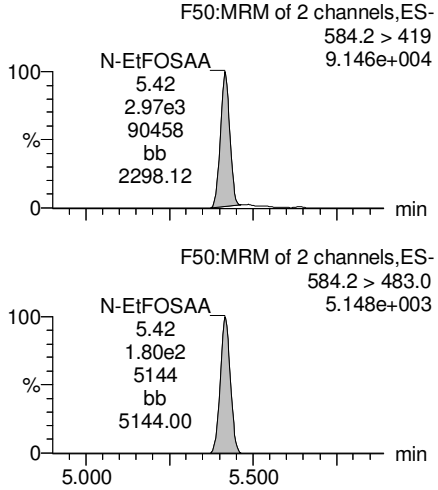
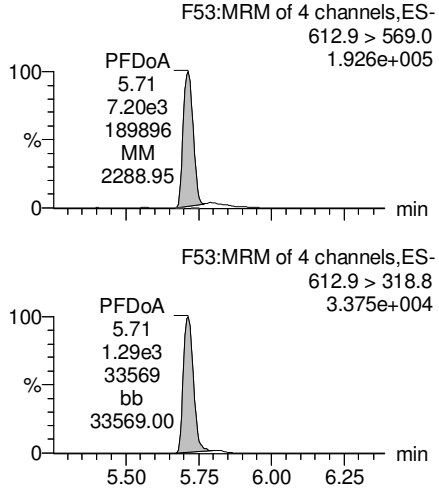


PFDoA



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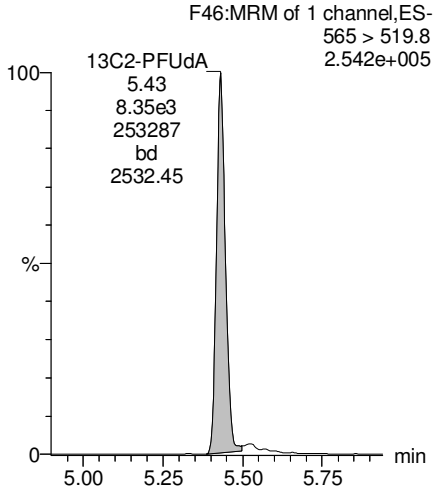
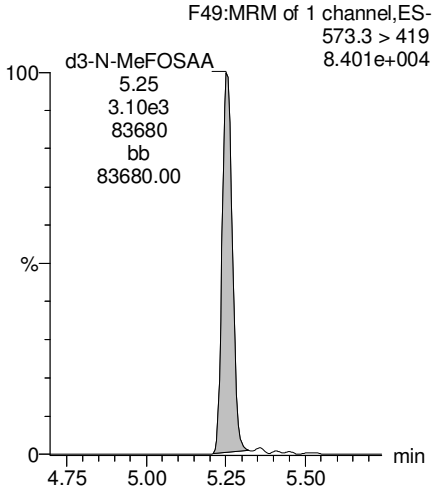


d3-N-MeFOSAA



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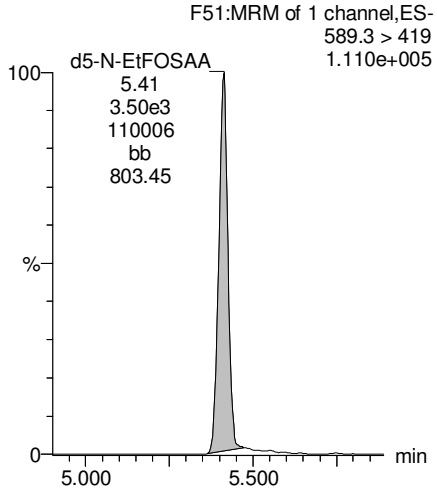

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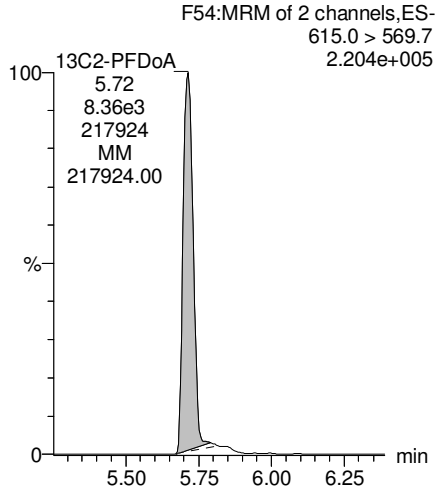


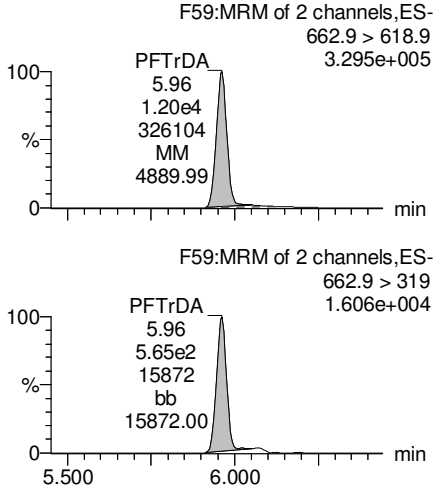
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-100.qld

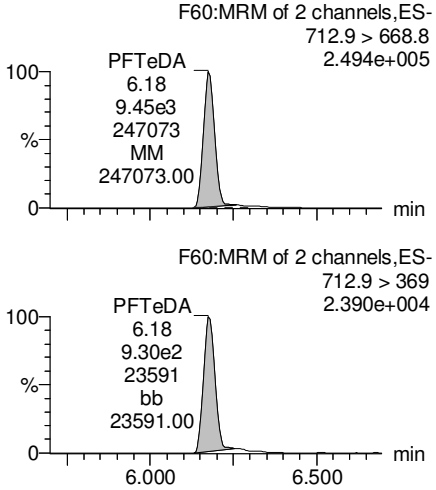
Last Altered: Thursday, March 01, 2018 09:43:45 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:44:17 Pacific Standard Time

Name: 180224M1_100, Date: 25-Feb-2018, Time: 07:20:29, ID: B8B0111-MSD1 Matrix Spike Dup 0.1198, Description: Matrix Spike Dup

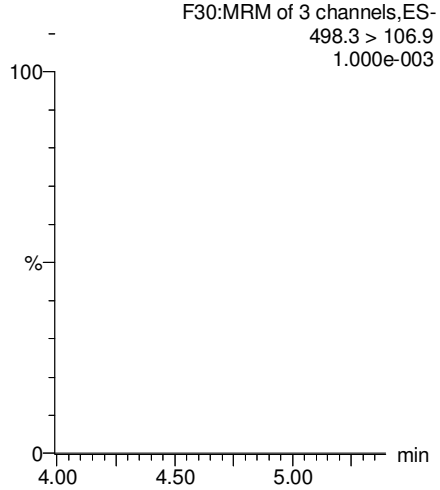
PFTrDA



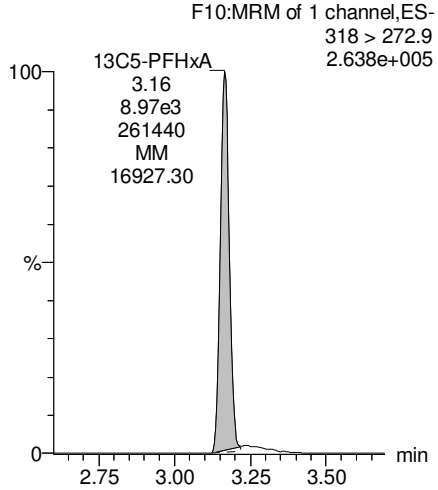
PFTeDA



TCDA



13C5-PFHxA



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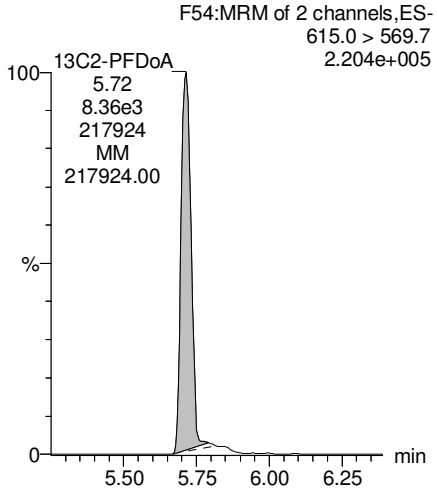
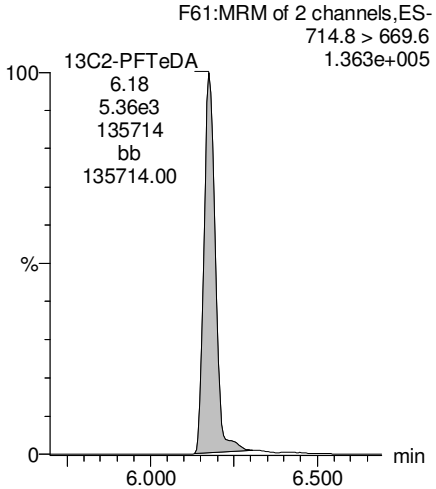
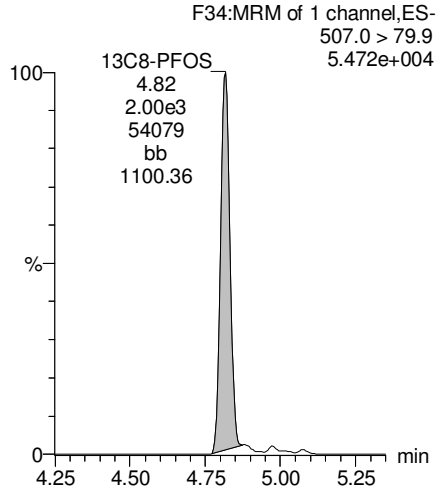


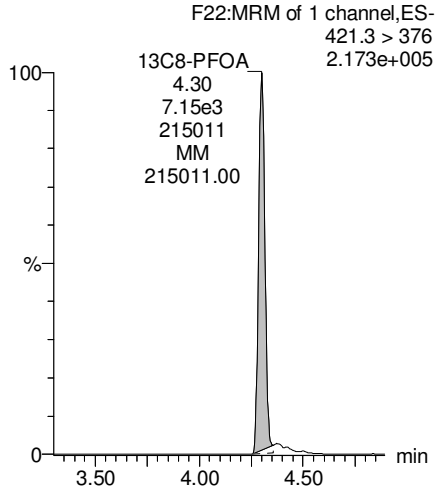
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



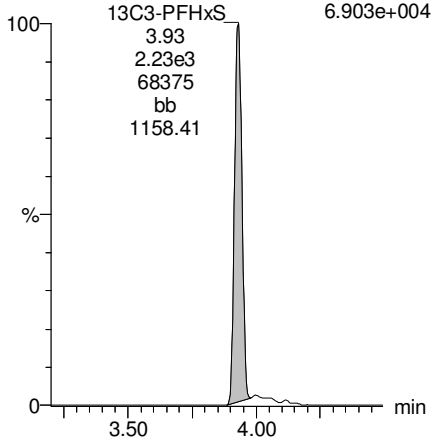
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-100.qld

Last Altered: Thursday, March 01, 2018 09:43:45 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:44:17 Pacific Standard Time

Name: 180224M1_100, Date: 25-Feb-2018, Time: 07:20:29, ID: B8B0111-MSD1 Matrix Spike Dup 0.1198, Description: Matrix Spike Dup

13C3-PFHxS



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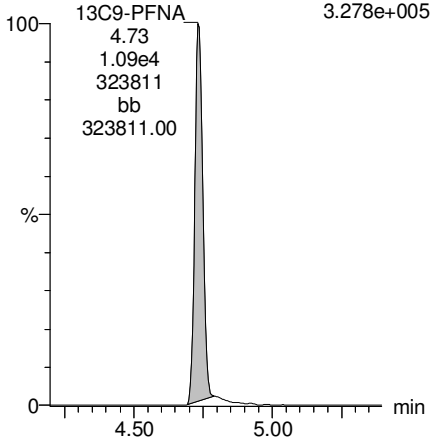
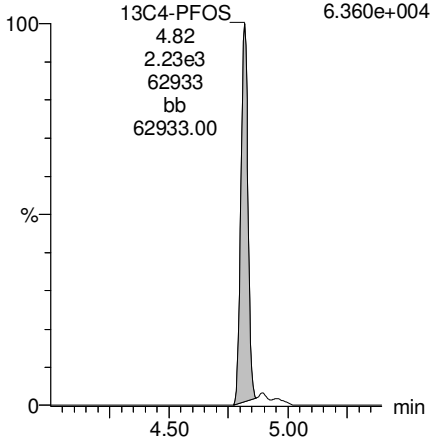
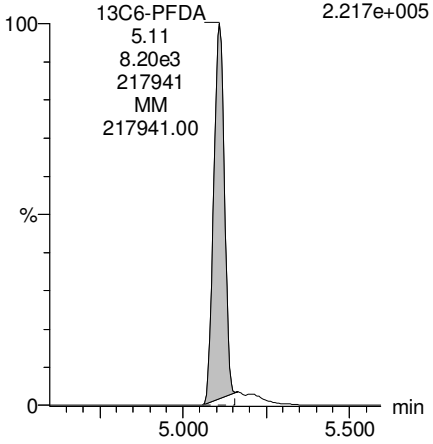


13C4-PFOS



13C6-PFDA



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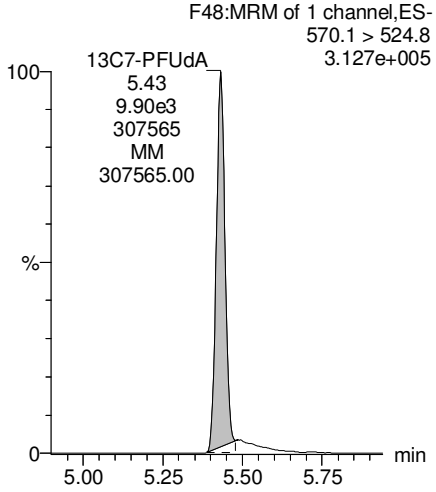

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-105.qld

Last Altered: Thursday, March 01, 2018 09:32:33 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:32:54 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_105, Date: 25-Feb-2018, Time: 08:17:47, ID: 1800308-05 OF-FB56-0218 0.11044, Description: OF-FB56-0218

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1	3	PFBS	299.0 > 79.7		1.15e3	0.110		2.60				
2	5	PFHxA	313.2 > 268.9		2.16e3	0.110		3.19				
3	7	PFHpA	363.0 > 318.9		5.81e3	0.110		3.81				
4	8	L-PFHxS	398.9 > 79.6		8.97e2	0.110		4.17				
5	11	L-PFOA	413 > 368.7	8.23e1	9.93e3	0.110		4.40	4.30	0.104	0.8976	
6	14	PFNA	463.0 > 418.8		6.81e3	0.110		4.76				
7	16	L-PFOS	499 > 79.9		1.88e3	0.110		4.95				
8	18	PFDA	513 > 468.8		6.15e3	0.110		5.14				
9	21	N-MeFOSAA	570.1 > 419		2.42e3	0.110		5.29				
10	22	N-EtFOSAA	584.2 > 419		2.81e3	0.110		5.45				
11	23	PFUdA	563.0 > 518.9		6.52e3	0.110		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-105.qld

Last Altered: Thursday, March 01, 2018 09:32:33 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:33:06 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_105, Date: 25-Feb-2018, Time: 08:17:47, ID: 1800308-05 OF-FB56-0218 0.11044, Description: OF-FB56-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		5.30e3	0.110		5.74				
2	27	PFTrDA	662.9 > 618.9		5.30e3	0.110		5.98				
3	28	PFTeDA	712.9 > 668.8	1.59e1	3.14e3	0.110		6.20	6.19	0.0633		
4	36	13C3-PFBS	302. > 98.8	1.15e3	8.48e3	0.110	0.116	2.69	2.67	1.69	132.2764	116.9
5	37	13C2-PFHxA	315 > 269.8	2.16e3	8.48e3	0.110	0.732	3.19	3.16	3.18	39.2865	86.8
6	38	13C4-PFHpA	367.2 > 321.8	5.81e3	8.48e3	0.110	0.717	3.81	3.78	8.56	108.1236	95.5
7	39	18O2-PFHxS	403.0 > 102.6	8.97e2	2.34e3	0.110	0.368	3.96	3.92	4.79	117.8843	104.2
8	40	13C2-PFOA	414.9 > 369.7	9.93e3	8.15e3	0.110	1.311	4.33	4.30	15.2	105.1165	92.9
9	41	13C5-PFNA	468.2 > 422.9	6.81e3	9.22e3	0.110	0.974	4.76	4.73	9.24	85.8284	75.8
10	42	13C8-PFOSA	506.1 > 77.7	1.22e3	1.08e4	0.110	0.187	4.83	4.79	1.41	67.9232	60.0
11	43	13C8-PFOS	507.0 > 79.9	1.88e3	2.45e3	0.110	1.075	4.84	4.81	9.58	80.7049	71.3
12	44	13C2-PFDA	515.1 > 469.9	6.15e3	9.87e3	0.110	1.019	5.14	5.10	7.80	69.2652	61.2
13	45	d3-N-MeFOSAA	573.3 > 419	2.42e3	1.08e4	0.110	0.325	5.29	5.25	2.79	77.5902	68.6
14	46	d5-N-EtFOSAA	589.3 > 419	2.81e3	1.08e4	0.110	0.345	5.45	5.41	3.24	84.9682	75.1
15	47	13C2-PFUdA	565 > 519.8	6.52e3	1.08e4	0.110	1.071	5.46	5.43	7.52	63.5459	56.1
16	48	13C2-PFDoA	615.0 > 569.7	5.30e3	1.08e4	0.110	0.995	5.74	5.71	6.12	55.6777	49.2
17	49	d3-N-MeFOSA	515.2 > 168.9		1.08e4	0.110	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	3.14e3	1.08e4	0.110	0.551	6.20	6.18	3.62	59.4652	52.5
19	51	d5-N-ETFOSA	531.1 > 168.9		1.08e4	0.110	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	2.31e3	1.08e4	0.110	0.752	6.51	6.50	2.67	32.1541	71.0
21	53	d7-N-MeFOSE	623.1 > 58.9		1.08e4	0.110	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.08e4	0.110	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	7.47e3	7.47e3	0.110	1.000	1.46	1.44	12.5	113.1836	100.0
24	56	13C5-PFHxA	318 > 272.9	8.48e3	8.48e3	0.110	1.000	3.19	3.16	12.5	113.1836	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.34e3	2.34e3	0.110	1.000	3.96	3.93	12.5	113.1836	100.0
26	58	13C8-PFOA	421.3 > 376	8.15e3	8.15e3	0.110	1.000	4.33	4.30	12.5	113.1836	100.0
27	59	13C9-PFNA	472.2 > 426.9	9.22e3	9.22e3	0.110	1.000	4.70	4.73	12.5	113.1836	100.0
28	60	13C4-PFOS	503 > 79.9	2.45e3	2.45e3	0.110	1.000	4.84	4.81	12.5	113.1836	100.0
29	61	13C6-PFDA	519.1 > 473.7	9.87e3	9.87e3	0.110	1.000	5.14	5.10	12.5	113.1836	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.08e4	1.08e4	0.110	1.000	5.46	5.43	12.5	113.1836	100.0
31	63	Total PFHxS	398.9 > 79.6	0.00e0	8.97e2	0.110		3.85		0.000		
32	64	Total PFOA	413 > 368.7	8.23e1	9.93e3	0.110		4.21		0.104	0.8976	

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-105.qld

Last Altered: Thursday, March 01, 2018 09:32:33 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:33:06 Pacific Standard Time

Name: 180224M1_105, Date: 25-Feb-2018, Time: 08:17:47, ID: 1800308-05 OF-FB56-0218 0.11044, Description: OF-FB56-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	1.88e3	0.110		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	2.42e3	0.110		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	2.81e3	0.110		5.45		0.000		

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

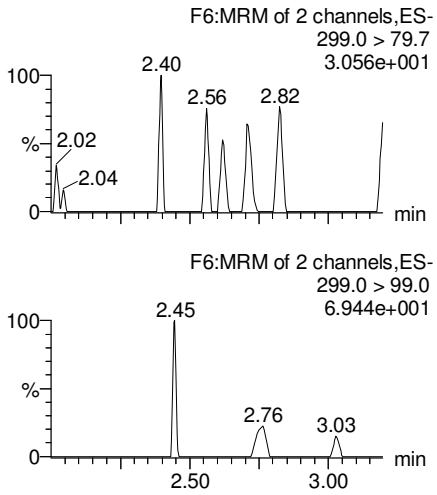
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-105.qld

Last Altered: Thursday, March 01, 2018 09:32:33 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:33:06 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_105, Date: 25-Feb-2018, Time: 08:17:47, ID: 1800308-05 OF-FB56-0218 0.11044, Description: OF-FB56-0218

PFBS



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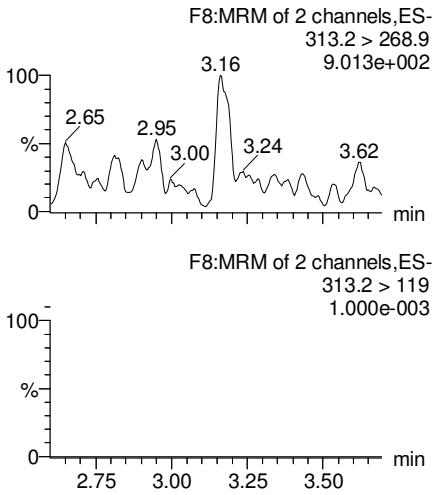

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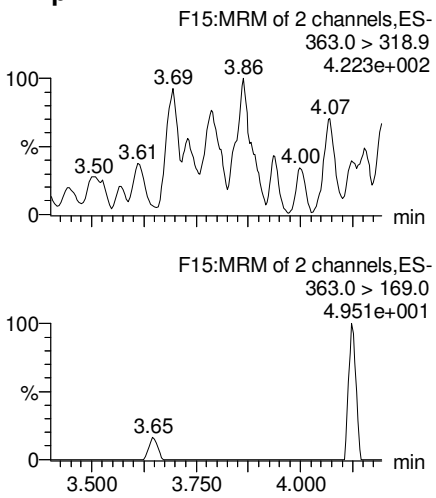

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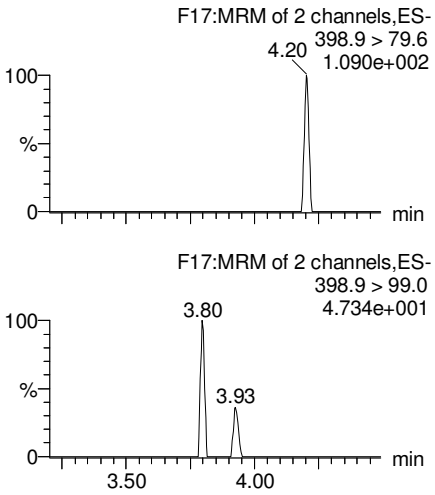

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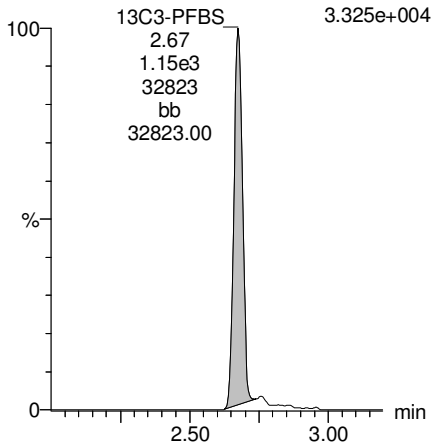

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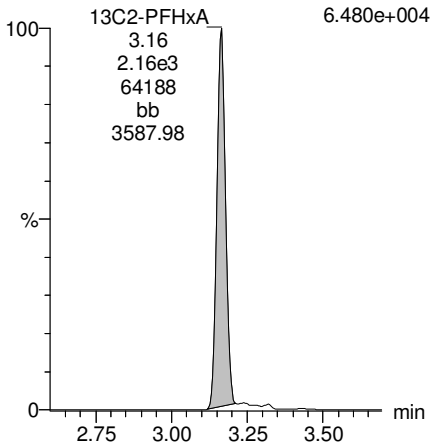

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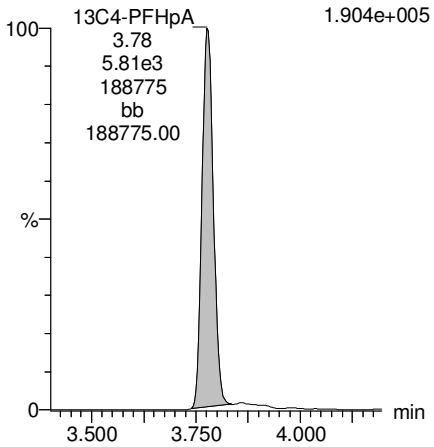

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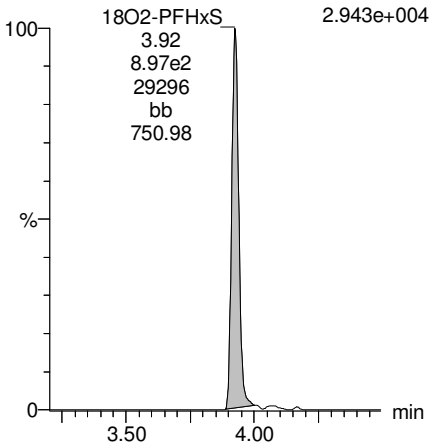


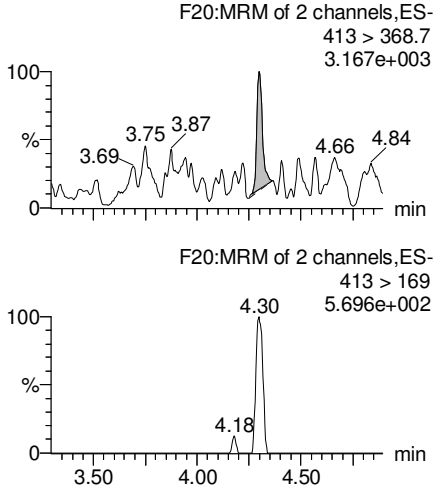
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-105.qld

Last Altered: Thursday, March 01, 2018 09:32:33 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:33:06 Pacific Standard Time

Name: 180224M1_105, Date: 25-Feb-2018, Time: 08:17:47, ID: 1800308-05 OF-FB56-0218 0.11044, Description: OF-FB56-0218

Total PFOA



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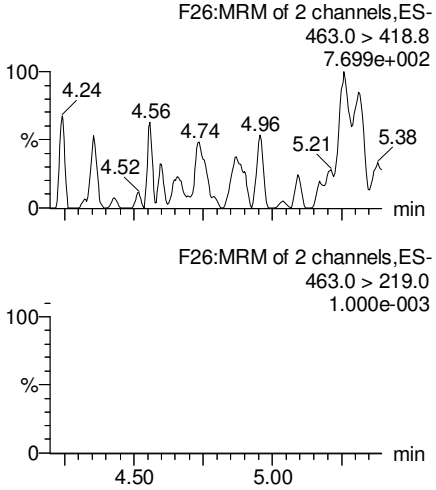

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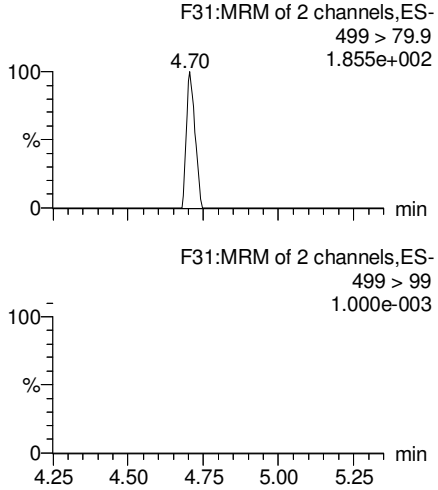

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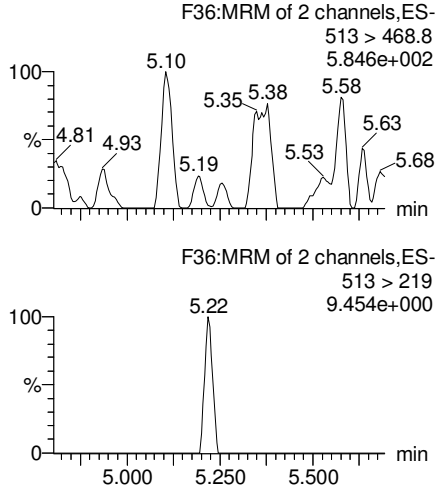

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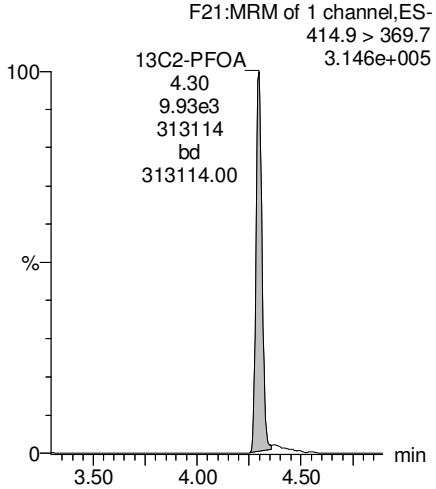

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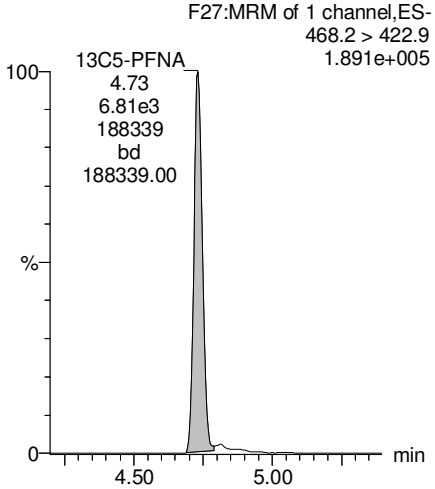
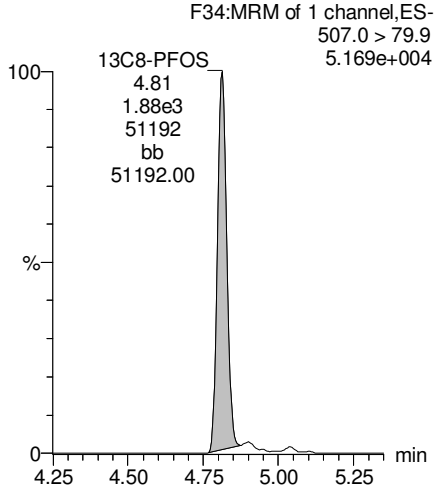


13C8-PFOS



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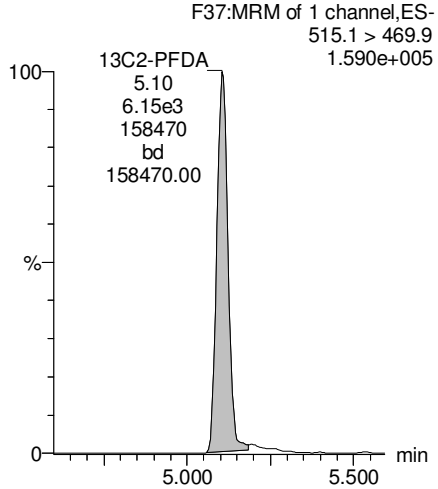


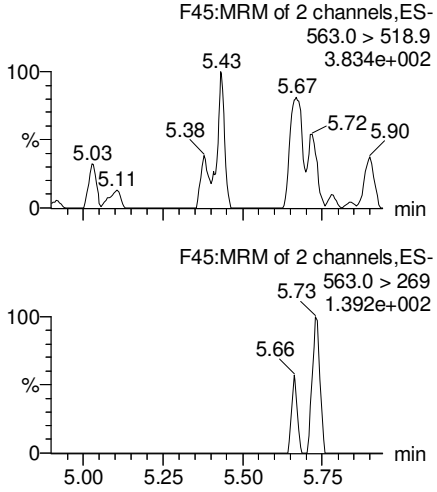
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-105.qld

Last Altered: Thursday, March 01, 2018 09:32:33 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:33:06 Pacific Standard Time

Name: 180224M1_105, Date: 25-Feb-2018, Time: 08:17:47, ID: 1800308-05 OF-FB56-0218 0.11044, Description: OF-FB56-0218

PFUdA



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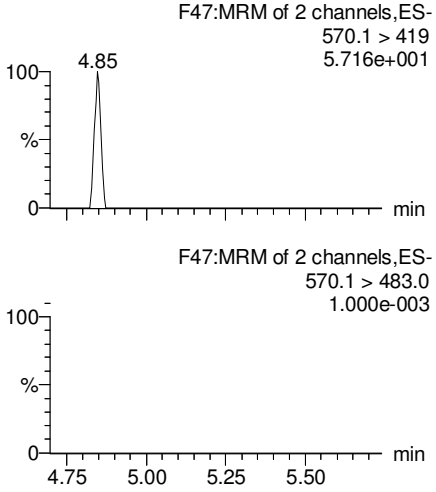

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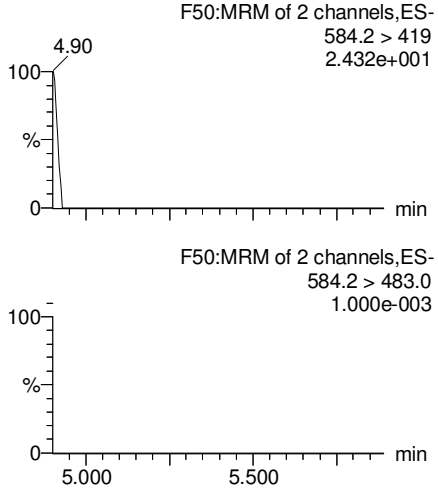

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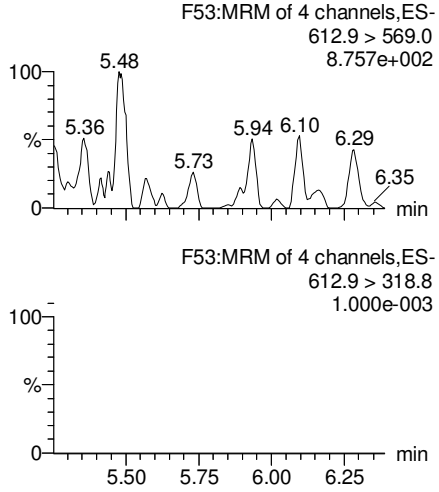

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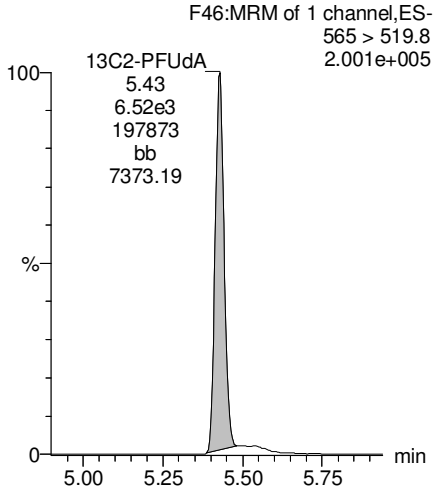

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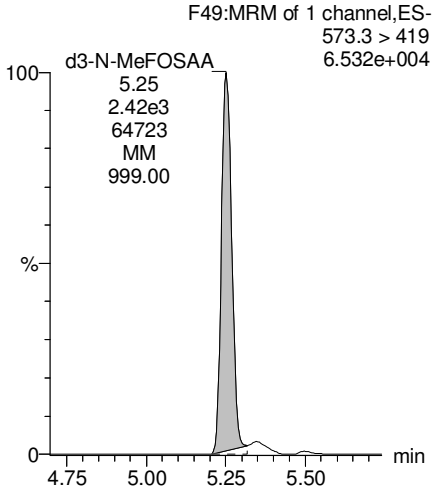

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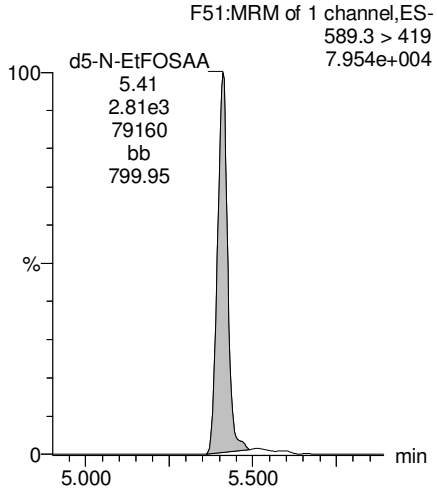

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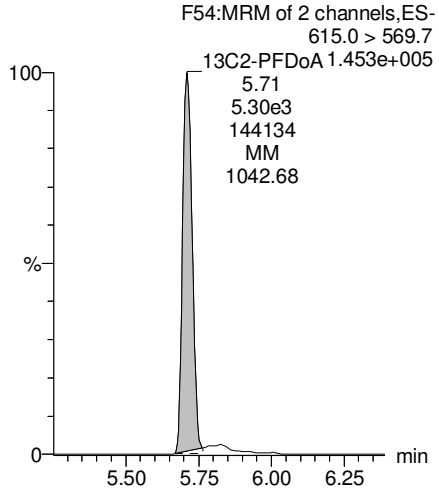


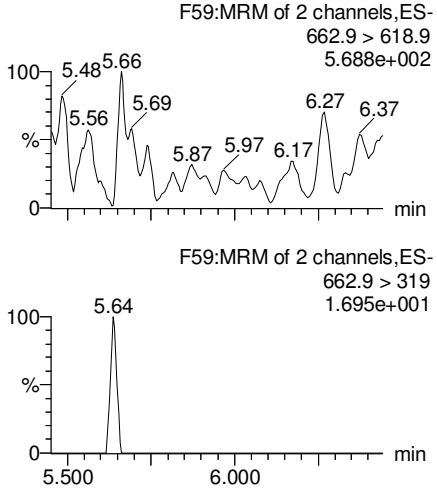
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-105.qld

Last Altered: Thursday, March 01, 2018 09:32:33 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:33:06 Pacific Standard Time

Name: 180224M1_105, Date: 25-Feb-2018, Time: 08:17:47, ID: 1800308-05 OF-FB56-0218 0.11044, Description: OF-FB56-0218

PFTrDA



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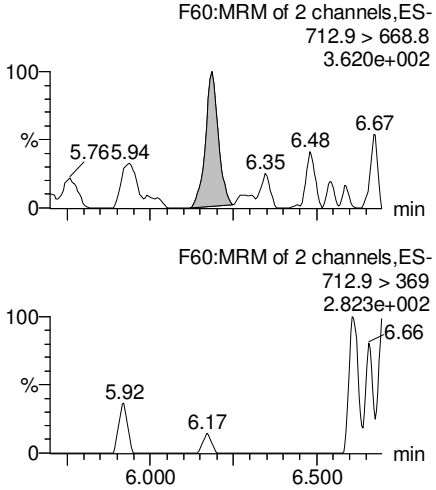

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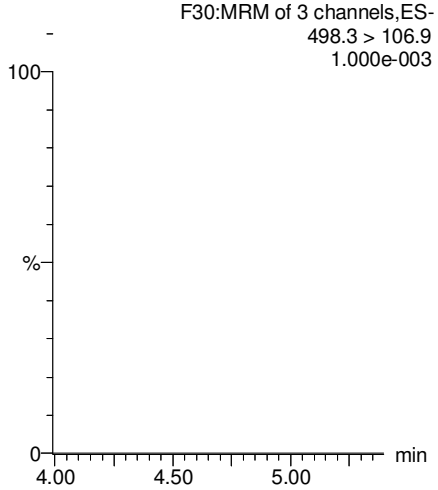

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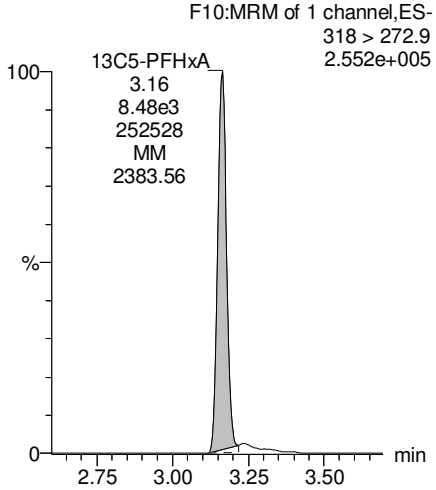

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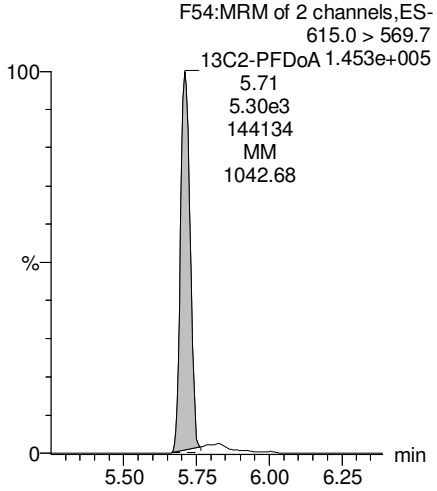

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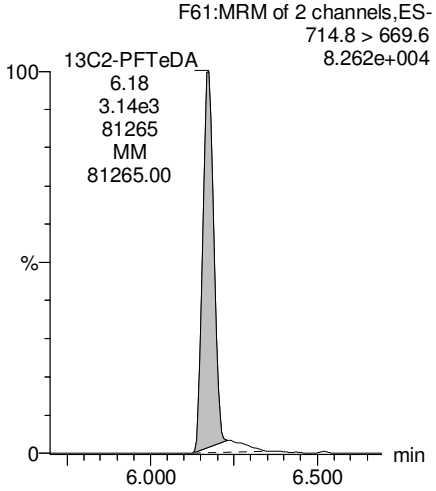

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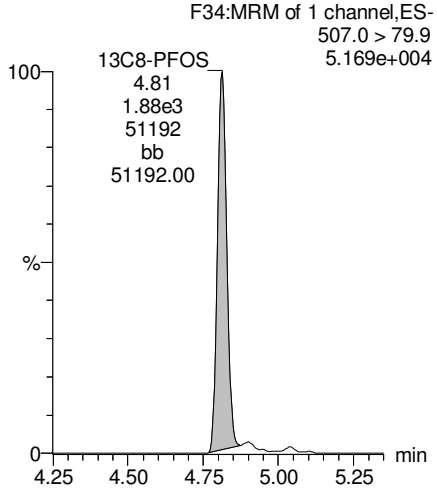

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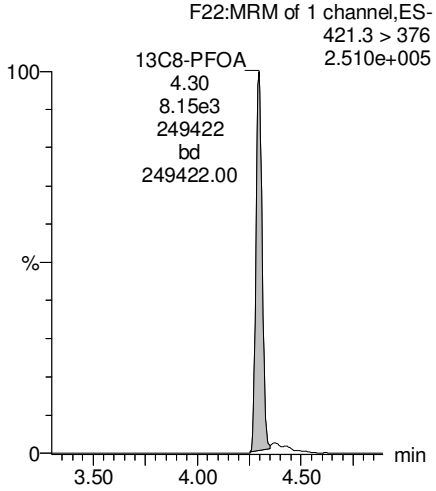


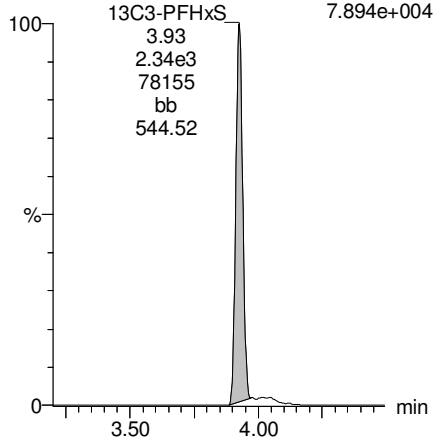
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-105.qld

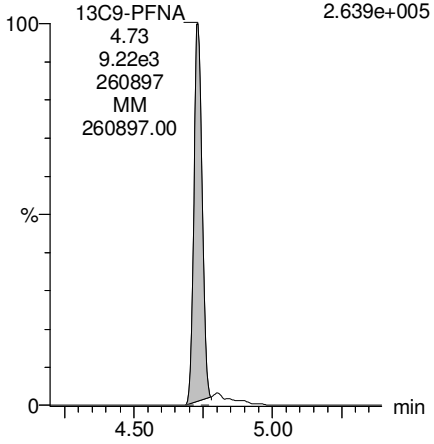
Last Altered: Thursday, March 01, 2018 09:32:33 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:33:06 Pacific Standard Time

Name: 180224M1_105, Date: 25-Feb-2018, Time: 08:17:47, ID: 1800308-05 OF-FB56-0218 0.11044, Description: OF-FB56-0218

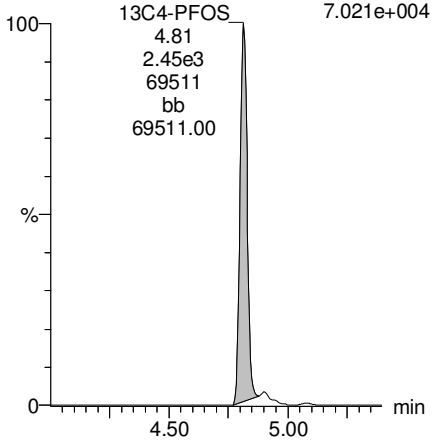
13C3-PFHxS



13C9-PFNA



13C4-PFOS



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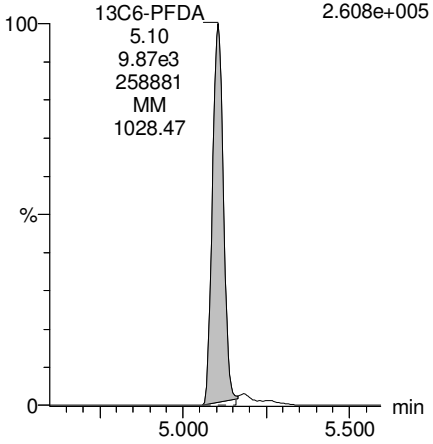
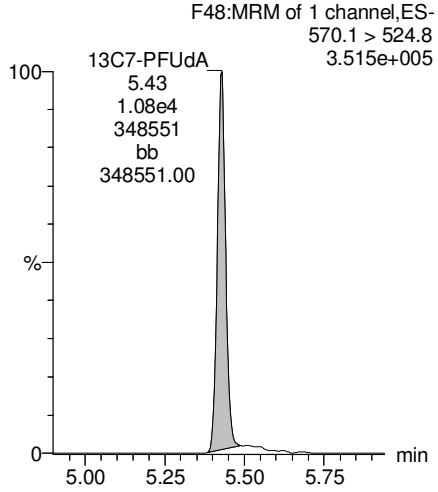


13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-106.qld

Last Altered: Thursday, March 01, 2018 09:46:10 Pacific Standard Time
Printed: Thursday, March 01, 2018 16:18:57 Pacific Standard Time

Reviewed: CT 3/6/2018

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_106, Date: 25-Feb-2018, Time: 08:29:15, ID: 1800308-06 OF-RW53-0218 0.11594, Description: OF-RW53-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.19e3	0.116		2.60				
2	5	PFHxA	313.2 > 268.9		2.63e3	0.116		3.19				
3	7	PFHpA	363.0 > 318.9		6.37e3	0.116		3.81				
4	8	L-PFHxS	398.9 > 79.6		9.63e2	0.116		4.17				
5	11	L-PFOA	413 > 368.7		8.51e3	0.116		4.40				
6	14	PFNA	463.0 > 418.8		7.53e3	0.116		4.76				
7	16	L-PFOS	499 > 79.9		2.75e3	0.116		4.95				
8	18	PFDA	513 > 468.8		7.45e3	0.116		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.48e3	0.116		5.29				
10	22	N-EtFOSAA	584.2 > 419		4.22e3	0.116		5.45				
11	23	PFUdA	563.0 > 518.9		9.30e3	0.116		5.46				

GM 3/1/2018

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-106.qld

Last Altered: Thursday, March 01, 2018 09:46:10 Pacific Standard Time
Printed: Thursday, March 01, 2018 16:19:07 Pacific Standard Time

Reviewed: CT 3/6/2018

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_106, Date: 25-Feb-2018, Time: 08:29:15, ID: 1800308-06 OF-RW53-0218 0.11594, Description: OF-RW53-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		7.04e3	0.116		5.74				
2	27	PFTrDA	662.9 > 618.9		7.04e3	0.116		5.98				
3	28	PFTeDA	712.9 > 668.8		3.47e3	0.116		6.20				
4	36	13C3-PFBS	302. > 98.8	1.19e3	9.43e3	0.116	0.116	2.69	2.67	1.57	117.1030	108.6
5	37	13C2-PFHxA	315 > 269.8	2.63e3	9.43e3	0.116	0.732	3.19	3.16	3.49	41.0495	95.2
6	38	13C4-PFHpA	367.2 > 321.8	6.37e3	9.43e3	0.116	0.717	3.81	3.78	8.44	101.5203	94.2
7	39	18O2-PFHxS	403.0 > 102.6	9.63e2	2.86e3	0.116	0.368	3.96	3.92	4.22	98.8784	91.7
8	40	13C2-PFOA	414.9 > 369.7	8.51e3	7.84e3	0.116	1.311	4.33	4.30	13.6	89.2994	82.8
9	41	13C5-PFNA	468.2 > 422.9	7.53e3	8.90e3	0.116	0.974	4.76	4.73	10.6	93.6426	86.9
10	42	13C8-PFOSA	506.1 > 77.7	1.80e3	1.31e4	0.116	0.187	4.83	4.79	1.71	78.8478	73.1
11	43	13C8-PFOS	507.0 > 79.9	2.75e3	2.64e3	0.116	1.075	4.84	4.81	13.0	104.3458	96.8
12	44	13C2-PFDA	515.1 > 469.9	7.45e3	9.20e3	0.116	1.019	5.14	5.10	10.1	85.6548	79.4
13	45	d3-N-MeFOSAA	573.3 > 419	3.48e3	1.31e4	0.116	0.325	5.29	5.25	3.32	88.1246	81.7
14	46	d5-N-EtFOSAA	589.3 > 419	4.22e3	1.31e4	0.116	0.345	5.45	5.41	4.02	100.6138	93.3
15	47	13C2-PFUdA	565 > 519.8	9.30e3	1.31e4	0.116	1.071	5.46	5.43	8.87	71.4246	66.2
16	48	13C2-PFDoA	615.0 > 569.7	7.04e3	1.31e4	0.116	0.995	5.74	5.71	6.72	58.2262	54.0
17	49	d3-N-MeFOSA	515.2 > 168.9		1.31e4	0.116	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	3.47e3	1.31e4	0.116	0.551	6.20	6.18	3.31	51.7056	48.0
19	51	d5-N-ETFOSA	531.1 > 168.9		1.31e4	0.116	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	2.65e3	1.31e4	0.116	0.752	6.51	6.49	2.53	28.9922	67.2
21	53	d7-N-MeFOSE	623.1 > 58.9		1.31e4	0.116	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.31e4	0.116	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.11e3	8.11e3	0.116	1.000	1.46	1.44	12.5	107.8144	100.0
24	56	13C5-PFHxA	318 > 272.9	9.43e3	9.43e3	0.116	1.000	3.19	3.16	12.5	107.8144	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.86e3	2.86e3	0.116	1.000	3.96	3.92	12.5	107.8144	100.0
26	58	13C8-PFOA	421.3 > 376	7.84e3	7.84e3	0.116	1.000	4.33	4.30	12.5	107.8144	100.0
27	59	13C9-PFNA	472.2 > 426.9	8.90e3	8.90e3	0.116	1.000	4.70	4.73	12.5	107.8144	100.0
28	60	13C4-PFOS	503 > 79.9	2.64e3	2.64e3	0.116	1.000	4.84	4.81	12.5	107.8144	100.0
29	61	13C6-PFDA	519.1 > 473.7	9.20e3	9.20e3	0.116	1.000	5.14	5.10	12.5	107.8144	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.31e4	1.31e4	0.116	1.000	5.46	5.43	12.5	107.8144	100.0
31	63	Total PFHxS	398.9 > 79.6	0.00e0	9.63e2	0.116		3.85		0.000		
32	64	Total PFOA	413 > 368.7	0.00e0	8.51e3	0.116		4.21		0.000		

GM 3/1/2018

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-106.qld

Last Altered: Thursday, March 01, 2018 09:46:10 Pacific Standard Time
Printed: Thursday, March 01, 2018 16:19:07 Pacific Standard Time

Reviewed: CT 3/6/2018

Name: 180224M1_106, Date: 25-Feb-2018, Time: 08:29:15, ID: 1800308-06 OF-RW53-0218 0.11594, Description: OF-RW53-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.75e3	0.116		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.48e3	0.116		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	4.22e3	0.116		5.45		0.000		

GM 3/1/2018

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-106.qld

Last Altered: Thursday, March 01, 2018 09:46:10 Pacific Standard Time
Printed: Thursday, March 01, 2018 16:19:07 Pacific Standard Time

Reviewed: CT 3/6/2018

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_106, Date: 25-Feb-2018, Time: 08:29:15, ID: 1800308-06 OF-RW53-0218 0.11594, Description: OF-RW53-0218

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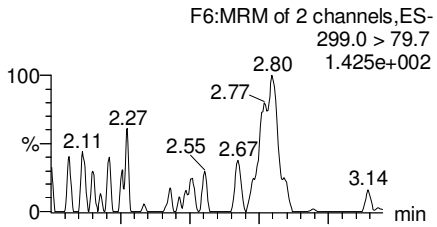

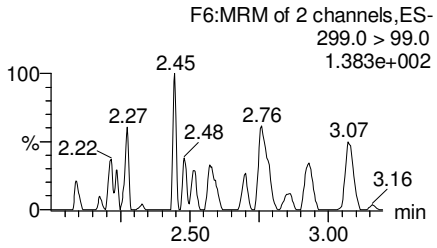

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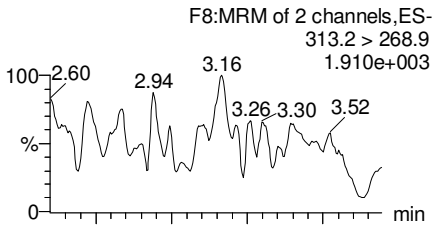

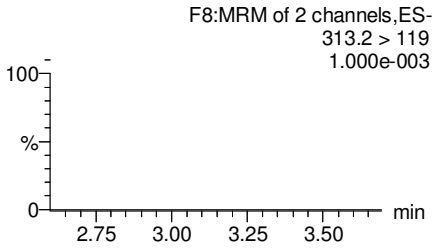

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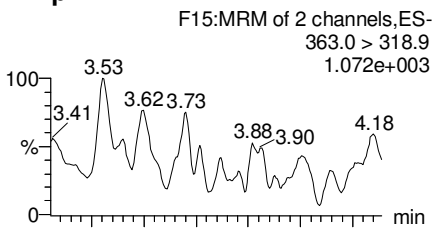

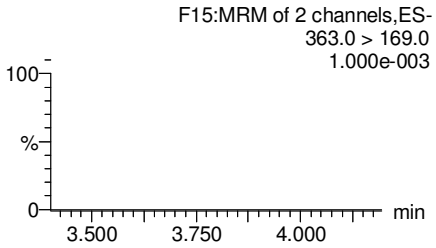

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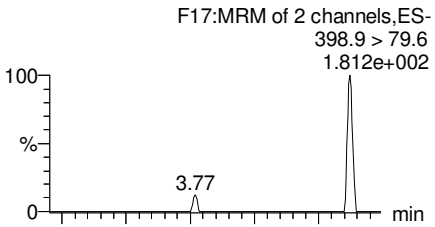

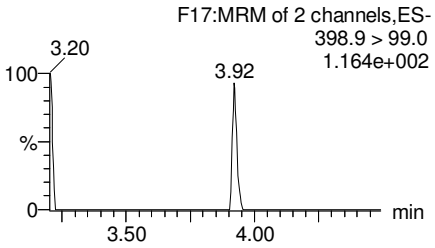

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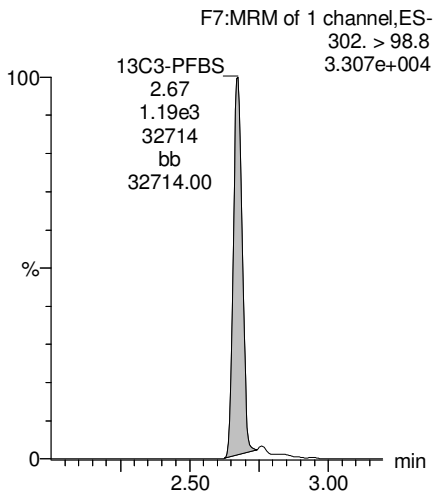

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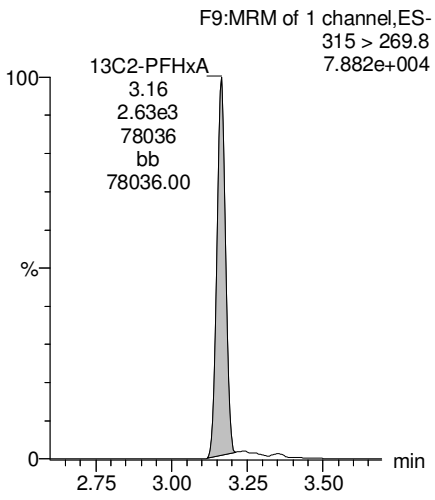

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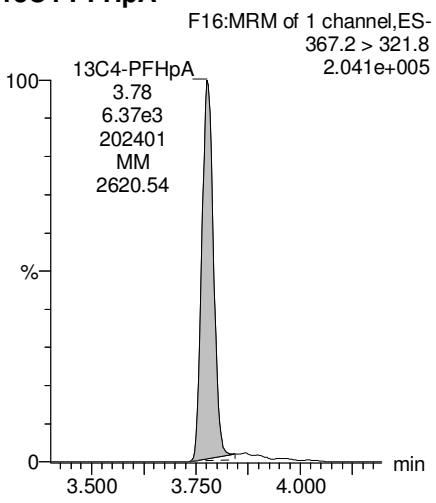

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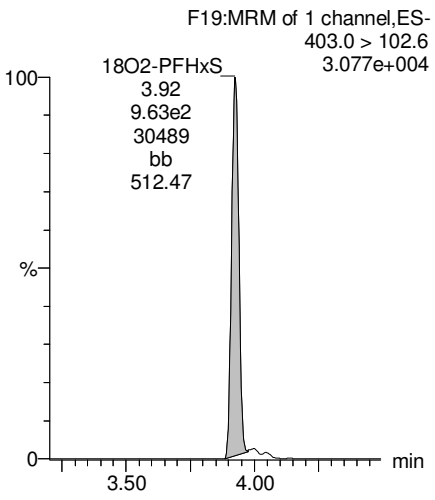


GM 3/1/2018

Vista Analytical Laboratory

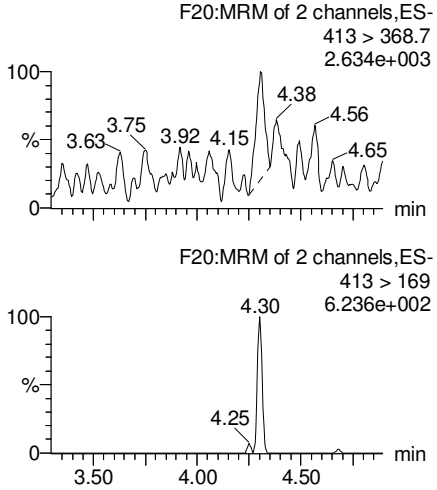
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-106.qld

Last Altered: Thursday, March 01, 2018 09:46:10 Pacific Standard Time
Printed: Thursday, March 01, 2018 16:19:07 Pacific Standard Time

Reviewed: CT 3/6/2018

Name: 180224M1_106, Date: 25-Feb-2018, Time: 08:29:15, ID: 1800308-06 OF-RW53-0218 0.11594, Description: OF-RW53-0218

Total PFOA



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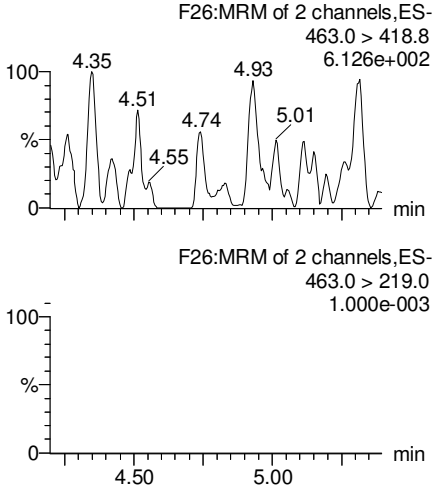
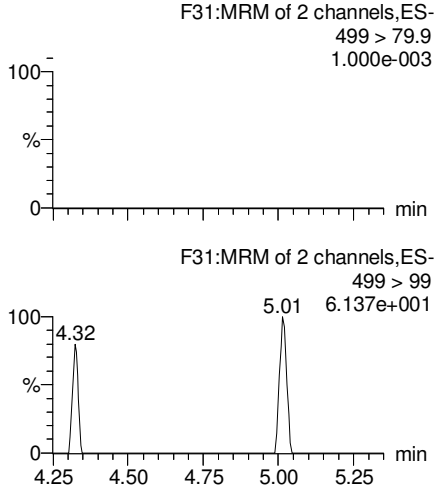


Total PFOS



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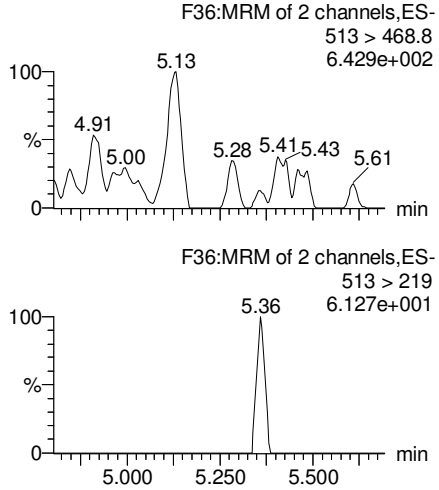

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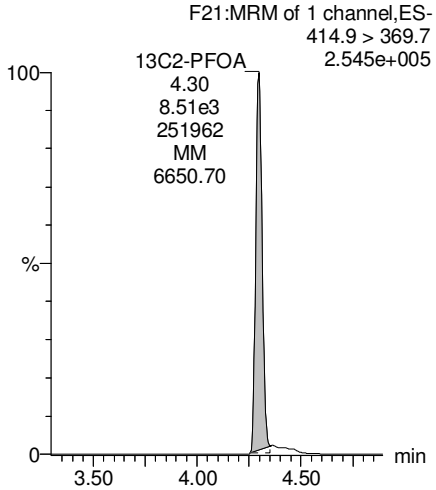

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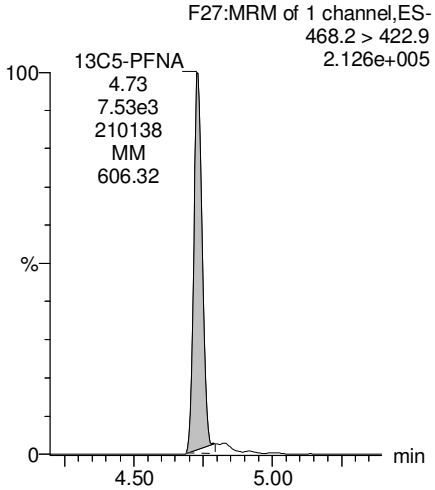

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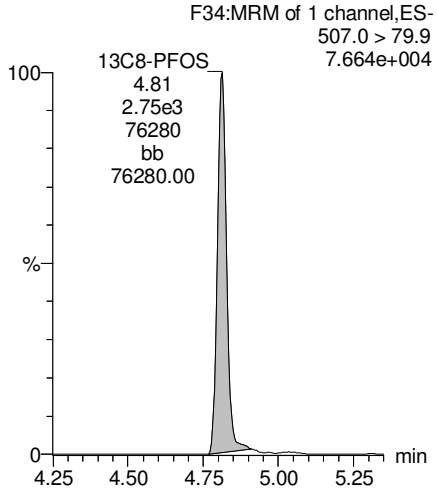

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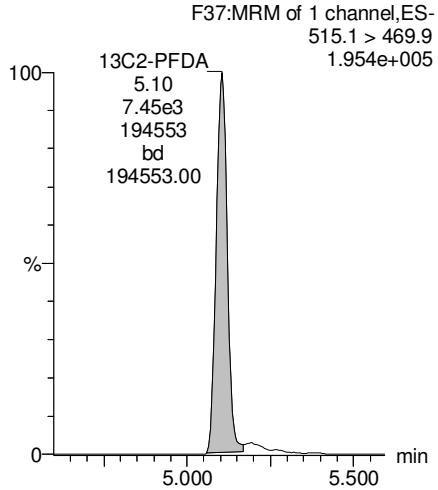


GM 3/1/2018

Vista Analytical Laboratory

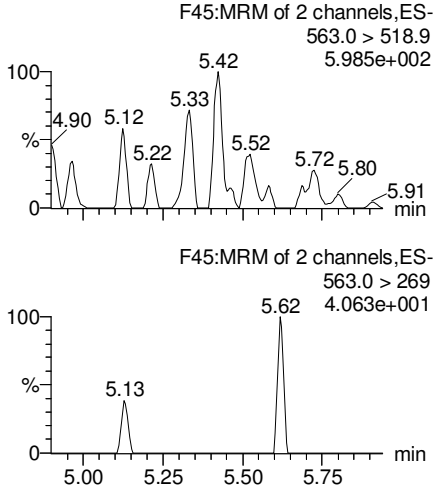
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-106.qld

Last Altered: Thursday, March 01, 2018 09:46:10 Pacific Standard Time
Printed: Thursday, March 01, 2018 16:19:07 Pacific Standard Time

Reviewed: CT 3/6/2018

Name: 180224M1_106, Date: 25-Feb-2018, Time: 08:29:15, ID: 1800308-06 OF-RW53-0218 0.11594, Description: OF-RW53-0218

PFUdA



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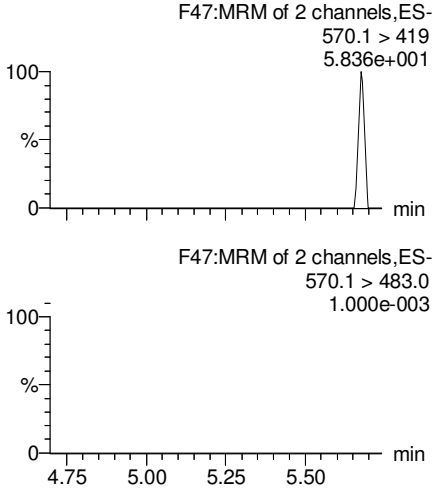

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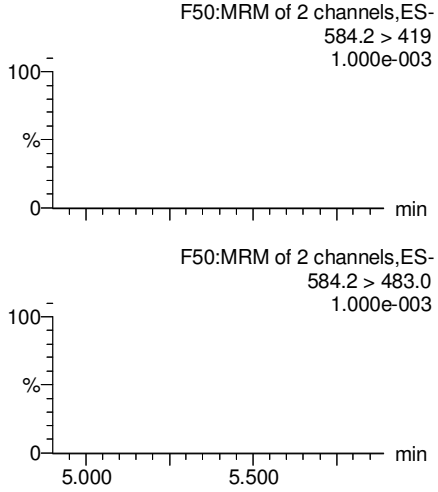

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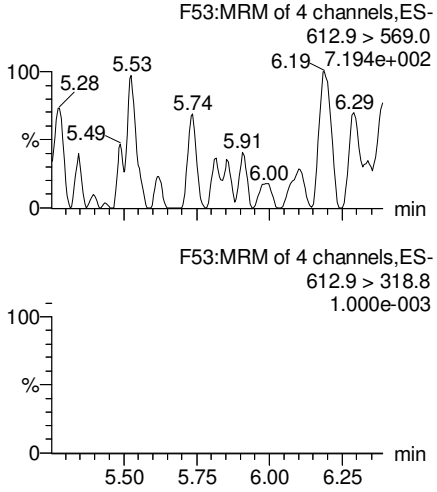

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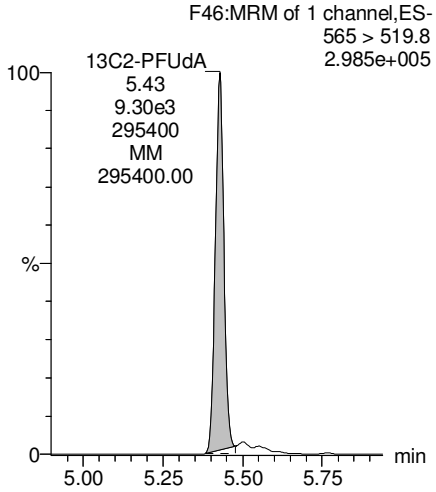

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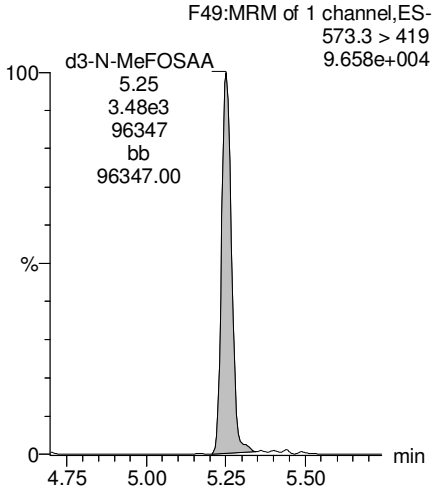

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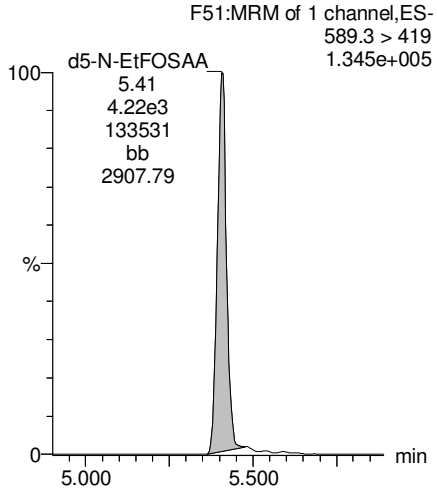
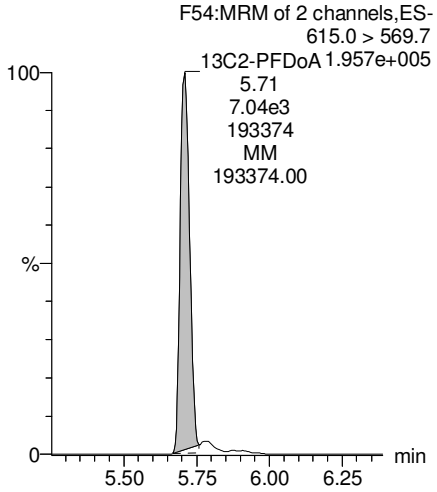


13C2-PFDoA



GM 3/1/2018

Vista Analytical Laboratory

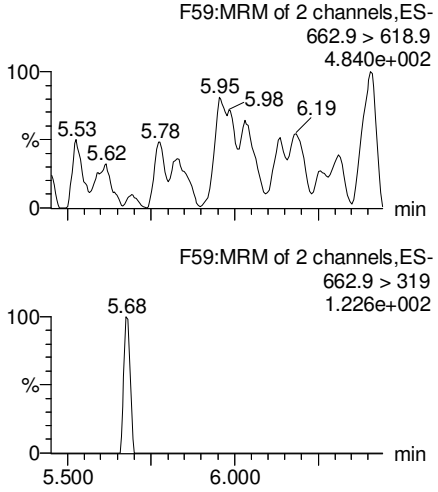
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-106.qld

Last Altered: Thursday, March 01, 2018 09:46:10 Pacific Standard Time
Printed: Thursday, March 01, 2018 16:19:07 Pacific Standard Time

Reviewed: CT 3/6/2018

Name: 180224M1_106, Date: 25-Feb-2018, Time: 08:29:15, ID: 1800308-06 OF-RW53-0218 0.11594, Description: OF-RW53-0218

PFTrDA



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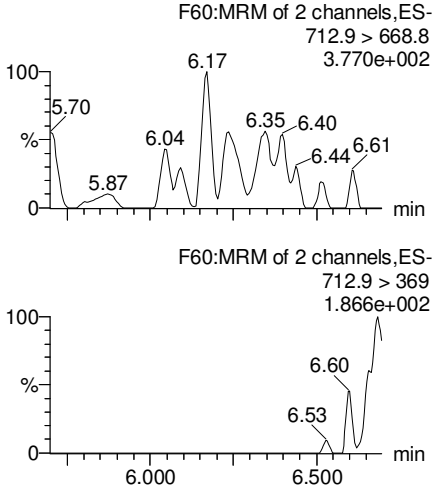

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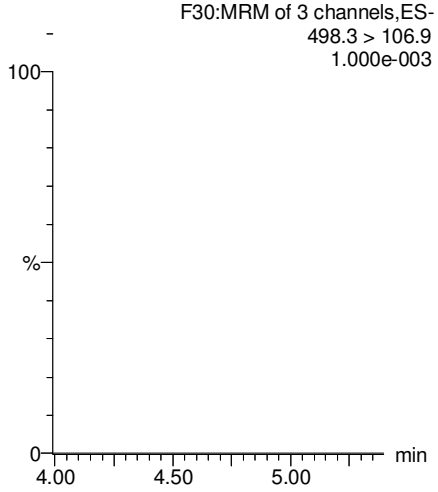
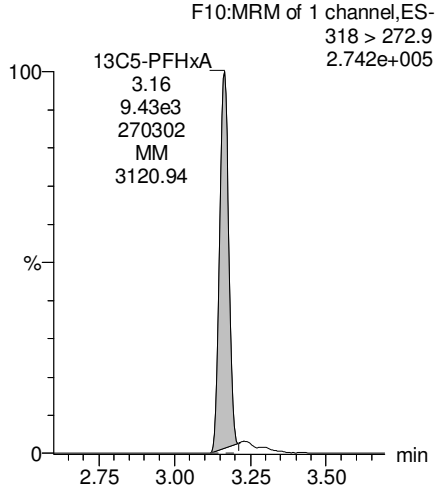


13C5-PFHxA



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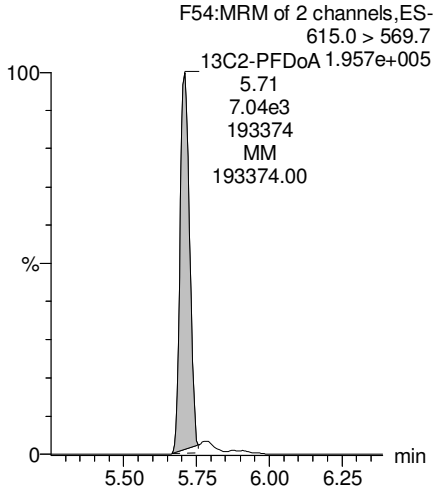

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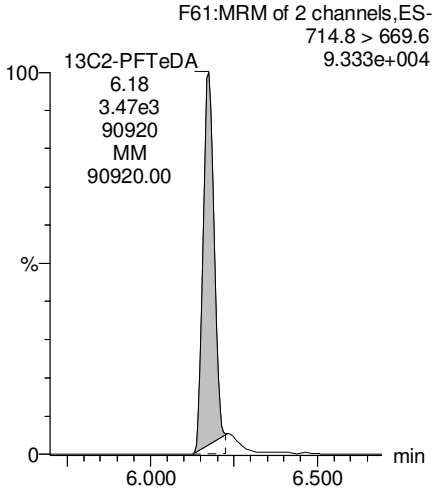

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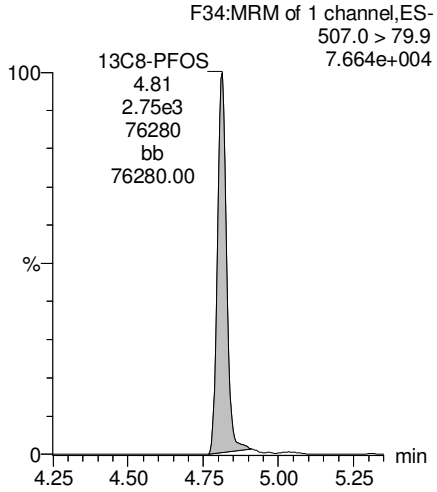

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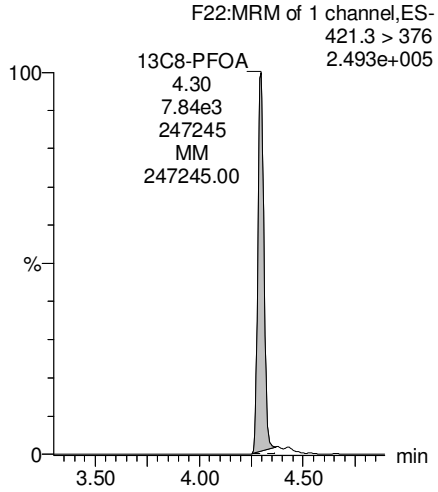


GM 3/1/2018

Vista Analytical Laboratory

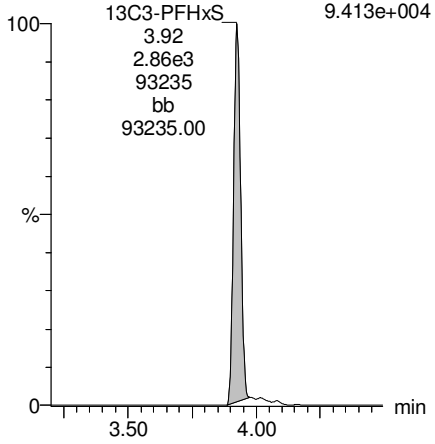
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-106.qld

Last Altered: Thursday, March 01, 2018 09:46:10 Pacific Standard Time
Printed: Thursday, March 01, 2018 16:19:07 Pacific Standard Time

Reviewed: CT 3/6/2018

Name: 180224M1_106, Date: 25-Feb-2018, Time: 08:29:15, ID: 1800308-06 OF-RW53-0218 0.11594, Description: OF-RW53-0218

13C3-PFHxS



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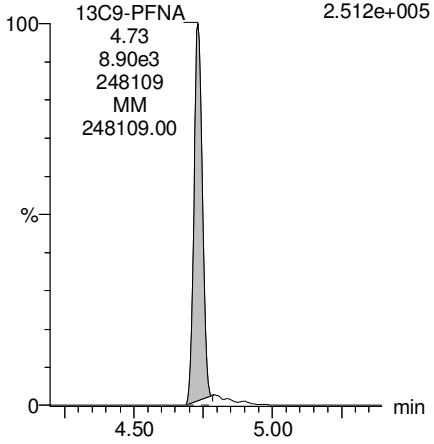

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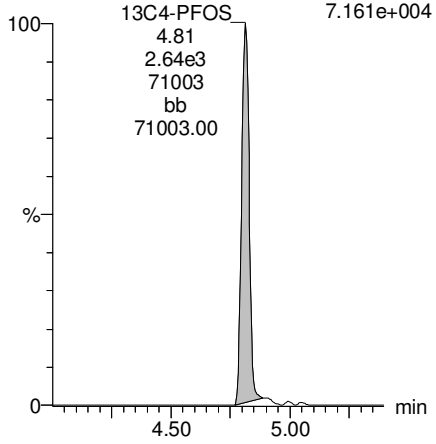

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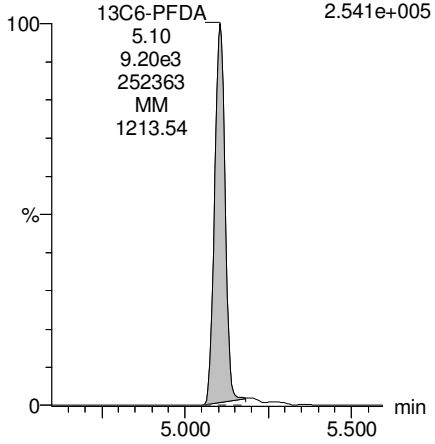
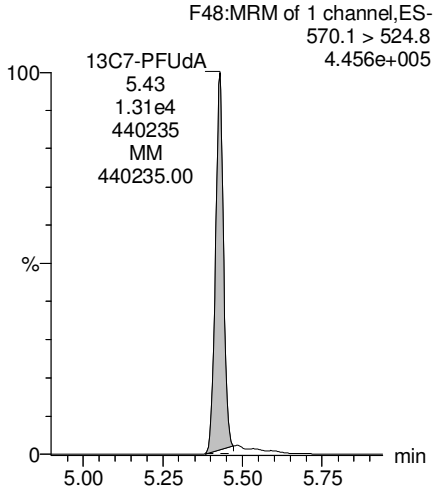


13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-107.qld

Last Altered: Thursday, March 01, 2018 09:49:41 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:50:03 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_107, Date: 25-Feb-2018, Time: 08:40:42, ID: 1800308-07 OF-FB53-0218 0.11932, Description: OF-FB53-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.18e3	0.119		2.60				
2	5	PFHxA	313.2 > 268.9	4.26e1	2.56e3	0.119		3.19	3.17	0.0832	0.0735	
3	7	PFHpA	363.0 > 318.9		7.08e3	0.119		3.81				
4	8	L-PFHxS	398.9 > 79.6	8.84e-1	9.09e2	0.119		4.17	3.94	0.0122	0.4832	
5	11	L-PFOA	413 > 368.7		9.34e3	0.119		4.40				
6	14	PFNA	463.0 > 418.8		8.30e3	0.119		4.76				
7	16	L-PFOS	499 > 79.9		2.37e3	0.119		4.95				
8	18	PFDA	513 > 468.8		7.30e3	0.119		5.14				
9	21	N-MeFOSAA	570.1 > 419		2.60e3	0.119		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.06e3	0.119		5.45				
11	23	PFUdA	563.0 > 518.9		7.61e3	0.119		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-107.qld

Last Altered: Thursday, March 01, 2018 09:49:41 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:50:12 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_107, Date: 25-Feb-2018, Time: 08:40:42, ID: 1800308-07 OF-FB53-0218 0.11932, Description: OF-FB53-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		5.84e3	0.119		5.74				
2	27	PFTrDA	662.9 > 618.9		5.84e3	0.119		5.98				
3	28	PFTeDA	712.9 > 668.8		3.04e3	0.119		6.20				
4	36	13C3-PFBS	302. > 98.8	1.18e3	9.24e3	0.119	0.116	2.69	2.67	1.60	115.3682	110.1
5	37	13C2-PFHxA	315 > 269.8	2.56e3	9.24e3	0.119	0.732	3.19	3.16	3.47	39.6549	94.6
6	38	13C4-PFHpA	367.2 > 321.8	7.08e3	9.24e3	0.119	0.717	3.81	3.78	9.58	111.9433	106.9
7	39	18O2-PFHxS	403.0 > 102.6	9.09e2	2.55e3	0.119	0.368	3.96	3.93	4.45	101.4957	96.9
8	40	13C2-PFOA	414.9 > 369.7	9.34e3	9.53e3	0.119	1.311	4.33	4.30	12.3	78.3802	74.8
9	41	13C5-PFNA	468.2 > 422.9	8.30e3	1.07e4	0.119	0.974	4.76	4.73	9.71	83.5475	79.8
10	42	13C8-PFOSA	506.1 > 77.7	1.19e3	1.07e4	0.119	0.187	4.83	4.79	1.39	62.0891	59.3
11	43	13C8-PFOS	507.0 > 79.9	2.37e3	2.41e3	0.119	1.075	4.84	4.81	12.2	95.4901	91.2
12	44	13C2-PFDA	515.1 > 469.9	7.30e3	1.02e4	0.119	1.019	5.14	5.10	8.97	73.8109	70.5
13	45	d3-N-MeFOSAA	573.3 > 419	2.60e3	1.07e4	0.119	0.325	5.29	5.25	3.02	77.9127	74.4
14	46	d5-N-EtFOSAA	589.3 > 419	3.06e3	1.07e4	0.119	0.345	5.45	5.41	3.57	86.7215	82.8
15	47	13C2-PFUdA	565 > 519.8	7.61e3	1.07e4	0.119	1.071	5.46	5.42	8.87	69.3763	66.2
16	48	13C2-PFDoA	615.0 > 569.7	5.84e3	1.07e4	0.119	0.995	5.74	5.71	6.81	57.3512	54.7
17	49	d3-N-MeFOSA	515.2 > 168.9		1.07e4	0.119	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	3.04e3	1.07e4	0.119	0.551	6.20	6.18	3.54	53.8491	51.4
19	51	d5-N-ETFOSA	531.1 > 168.9		1.07e4	0.119	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	2.71e3	1.07e4	0.119	0.752	6.51	6.50	3.16	35.1853	84.0
21	53	d7-N-MeFOSE	623.1 > 58.9		1.07e4	0.119	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.07e4	0.119	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.61e3	8.61e3	0.119	1.000	1.46	1.44	12.5	104.7603	100.0
24	56	13C5-PFHxA	318 > 272.9	9.24e3	9.24e3	0.119	1.000	3.19	3.16	12.5	104.7603	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.55e3	2.55e3	0.119	1.000	3.96	3.93	12.5	104.7603	100.0
26	58	13C8-PFOA	421.3 > 376	9.53e3	9.53e3	0.119	1.000	4.33	4.30	12.5	104.7603	100.0
27	59	13C9-PFNA	472.2 > 426.9	1.07e4	1.07e4	0.119	1.000	4.70	4.73	12.5	104.7603	100.0
28	60	13C4-PFOS	503 > 79.9	2.41e3	2.41e3	0.119	1.000	4.84	4.81	12.5	104.7603	100.0
29	61	13C6-PFDA	519.1 > 473.7	1.02e4	1.02e4	0.119	1.000	5.14	5.10	12.5	104.7603	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.07e4	1.07e4	0.119	1.000	5.46	5.43	12.5	104.7603	100.0
31	63	Total PFHxS	398.9 > 79.6	8.84e-1	9.09e2	0.119		3.85		0.0122	0.4832	
32	64	Total PFOA	413 > 368.7	0.00e0	9.34e3	0.119		4.21		0.000		

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-107.qld

Last Altered: Thursday, March 01, 2018 09:49:41 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:50:12 Pacific Standard Time

Name: 180224M1_107, Date: 25-Feb-2018, Time: 08:40:42, ID: 1800308-07 OF-FB53-0218 0.11932, Description: OF-FB53-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.37e3	0.119		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	2.60e3	0.119		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.06e3	0.119		5.45		0.000		

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-107.qld

Last Altered: Thursday, March 01, 2018 09:49:41 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:50:12 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_107, Date: 25-Feb-2018, Time: 08:40:42, ID: 1800308-07 OF-FB53-0218 0.11932, Description: OF-FB53-0218

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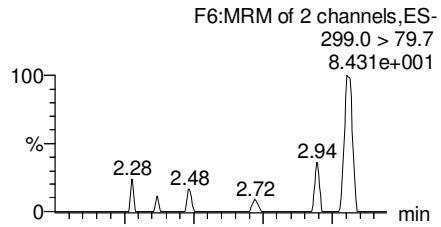

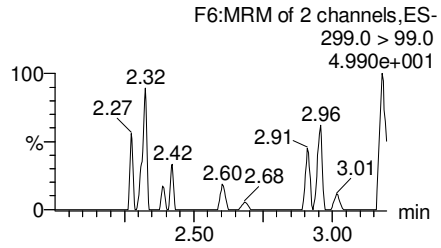

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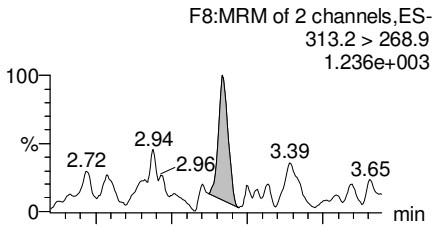
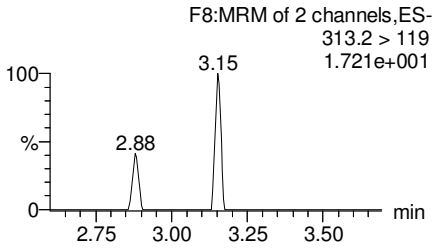
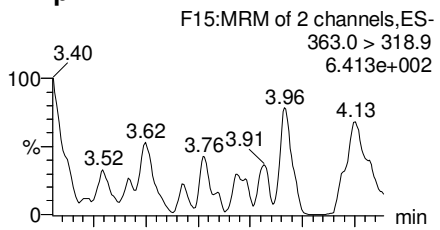
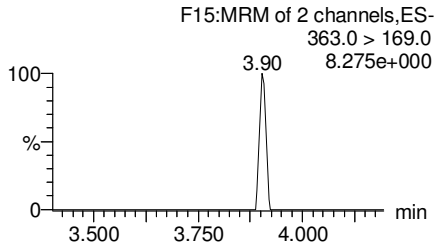




PFHpA





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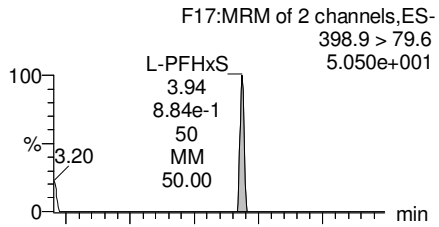

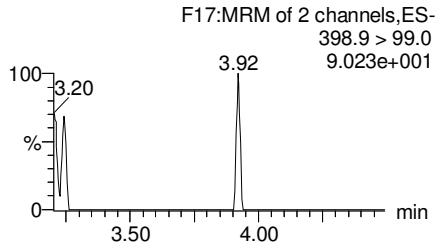

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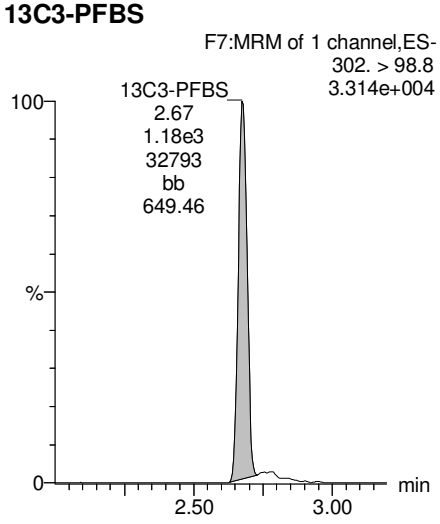

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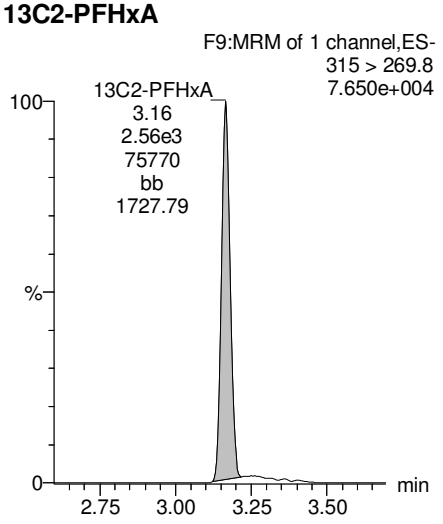

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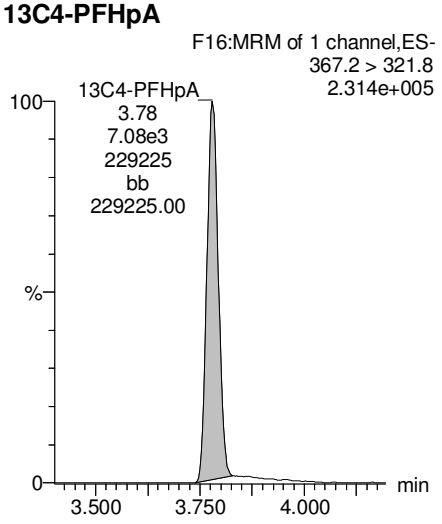

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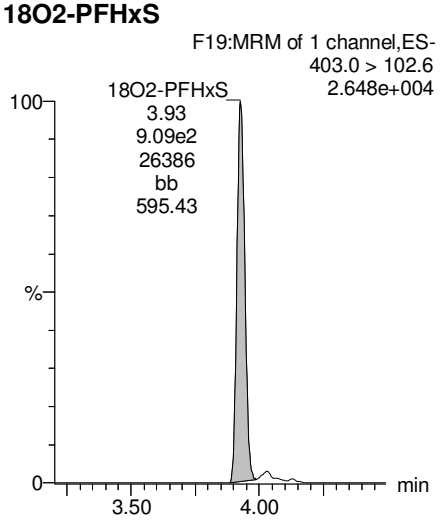


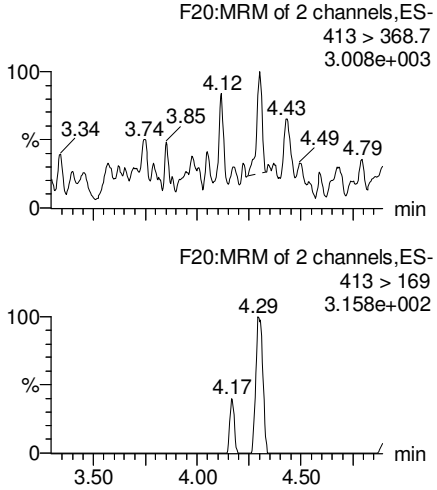
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-107.qld

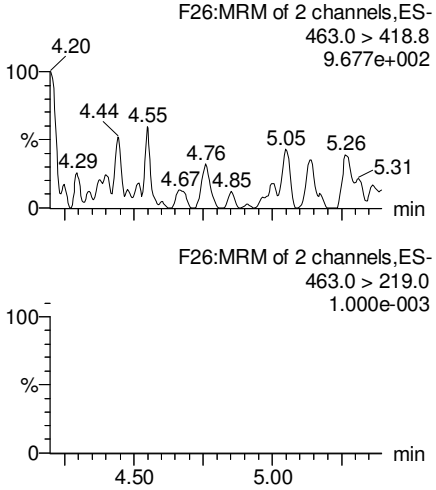
Last Altered: Thursday, March 01, 2018 09:49:41 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:50:12 Pacific Standard Time

Name: 180224M1_107, Date: 25-Feb-2018, Time: 08:40:42, ID: 1800308-07 OF-FB53-0218 0.11932, Description: OF-FB53-0218

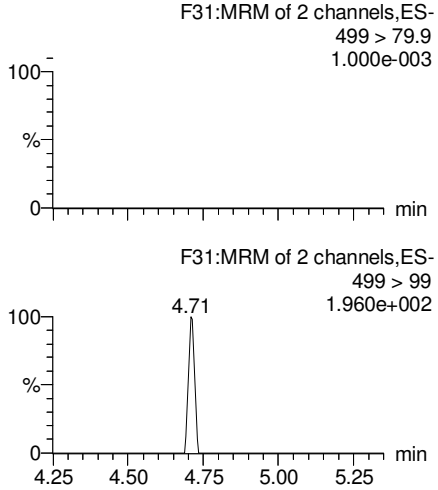
Total PFOA



PFNA



Total PFOS



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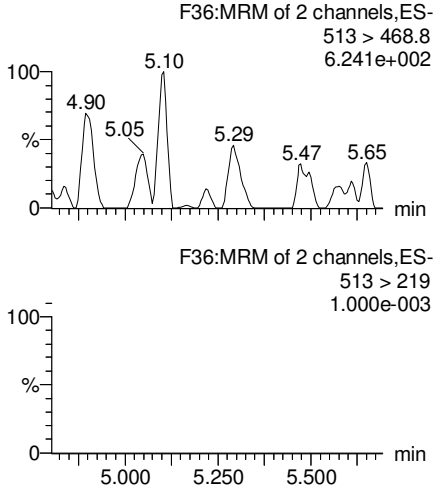
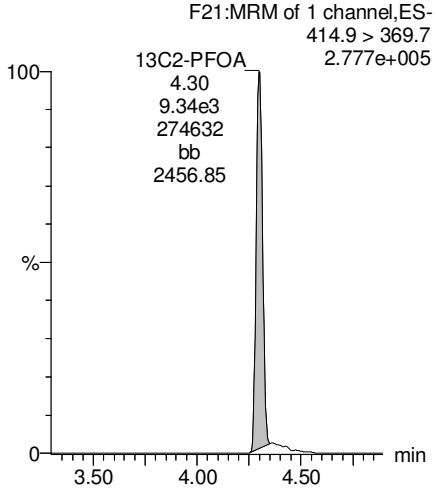
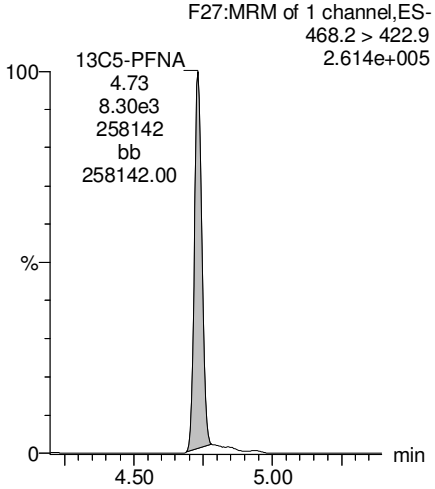


13C2-PFOA



13C5-PFNA



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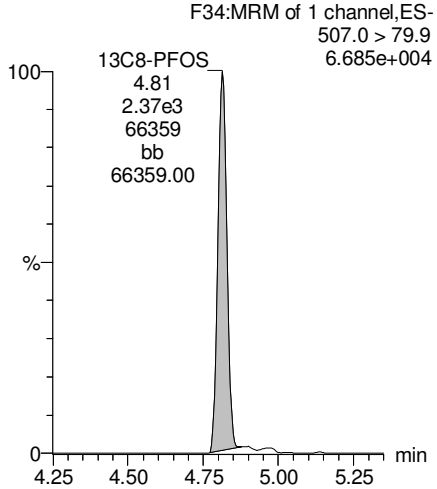

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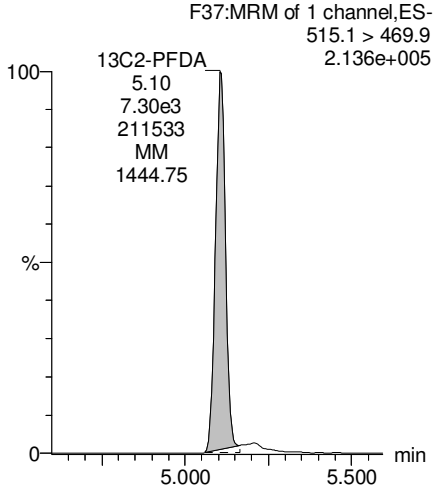


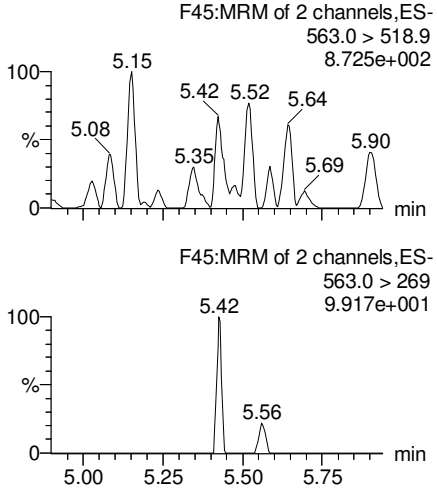
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-107.qld

Last Altered: Thursday, March 01, 2018 09:49:41 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:50:12 Pacific Standard Time

Name: 180224M1_107, Date: 25-Feb-2018, Time: 08:40:42, ID: 1800308-07 OF-FB53-0218 0.11932, Description: OF-FB53-0218

PFUdA



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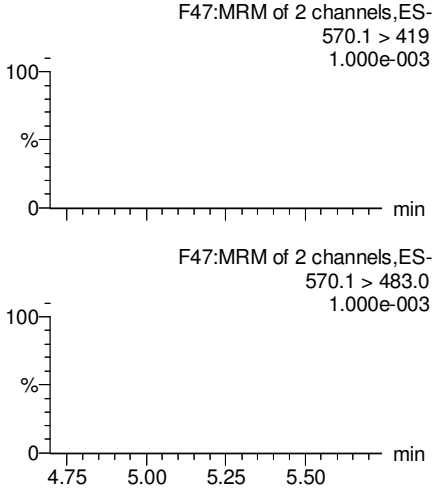

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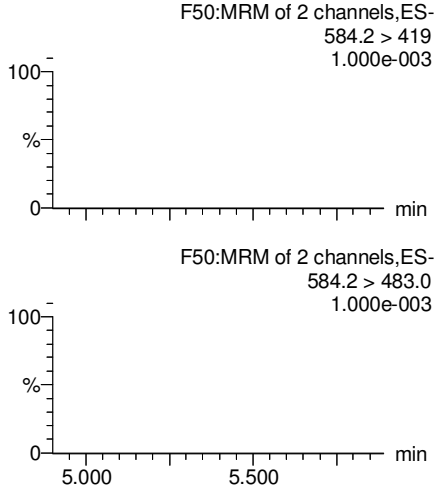
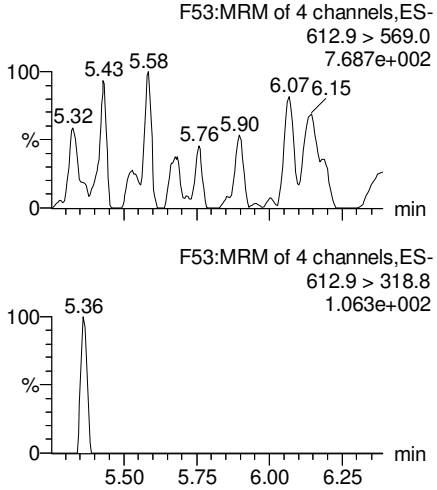


PFDoA



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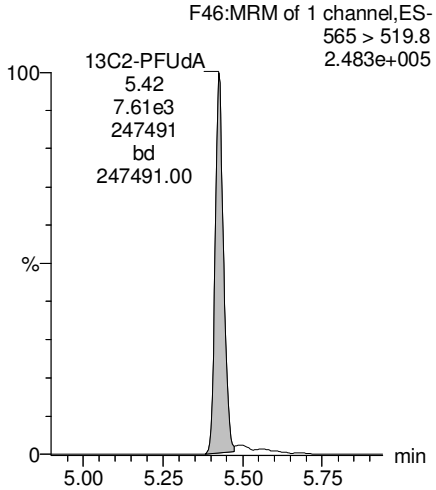

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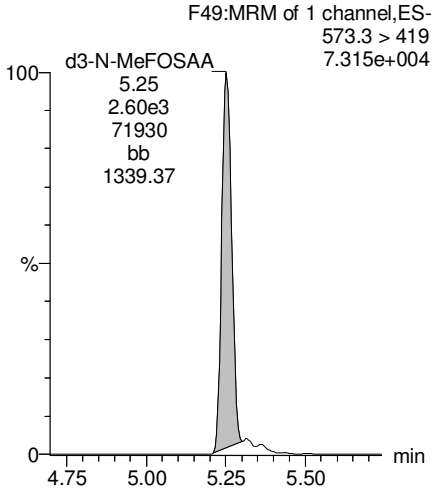

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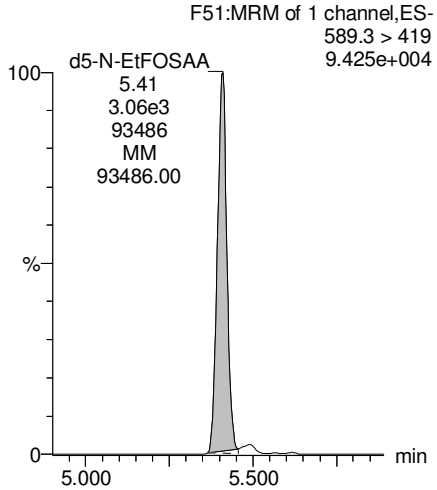

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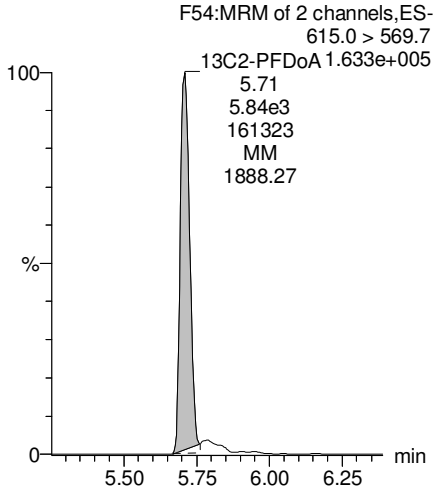


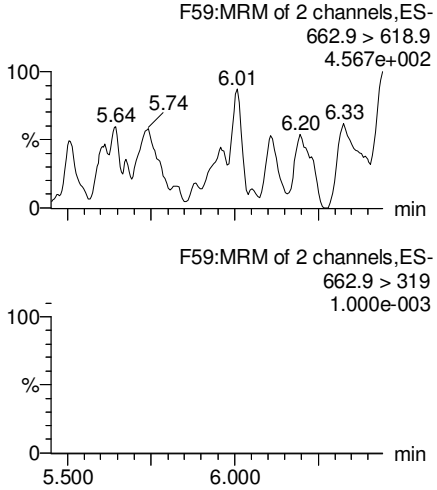
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-107.qld

Last Altered: Thursday, March 01, 2018 09:49:41 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:50:12 Pacific Standard Time

Name: 180224M1_107, Date: 25-Feb-2018, Time: 08:40:42, ID: 1800308-07 OF-FB53-0218 0.11932, Description: OF-FB53-0218

PFTrDA



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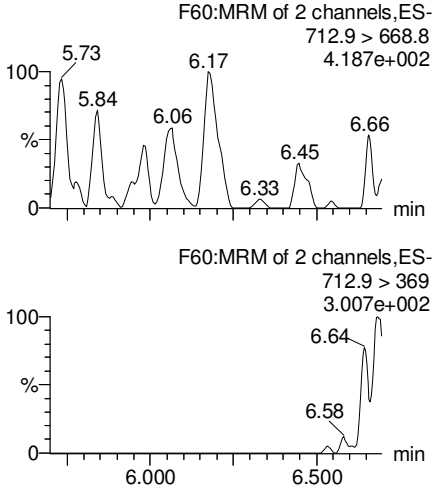

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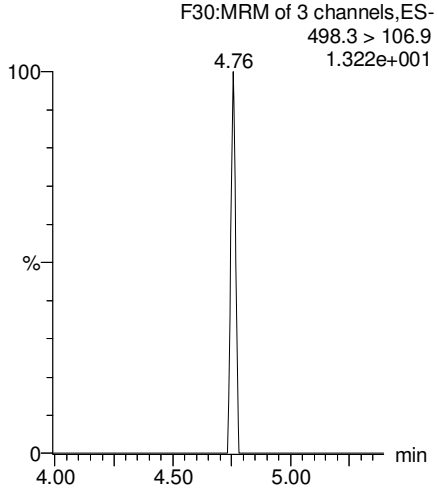
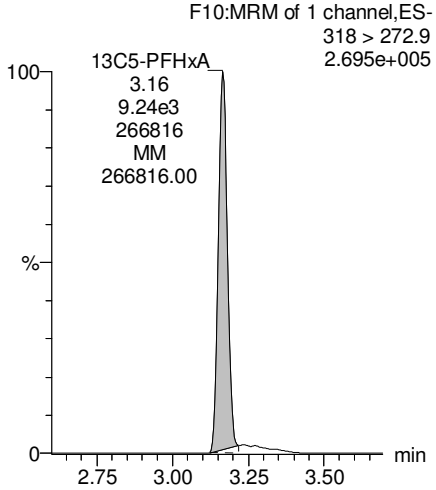


13C5-PFHxA



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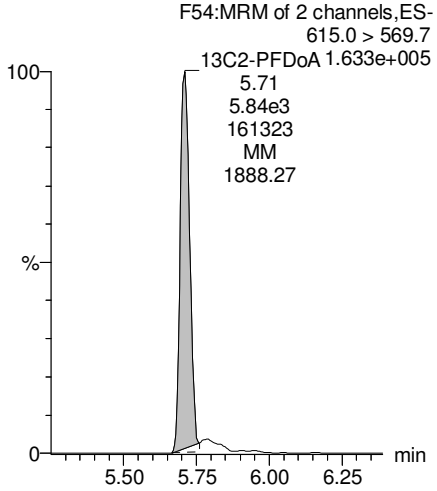

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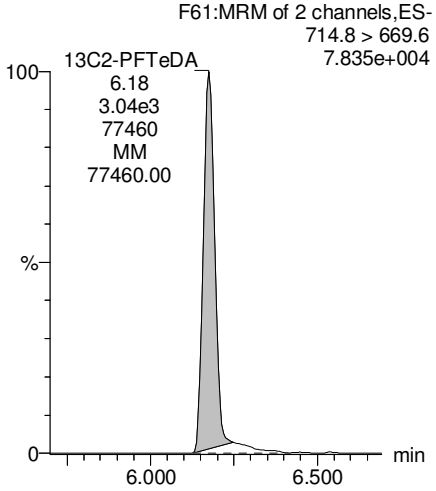
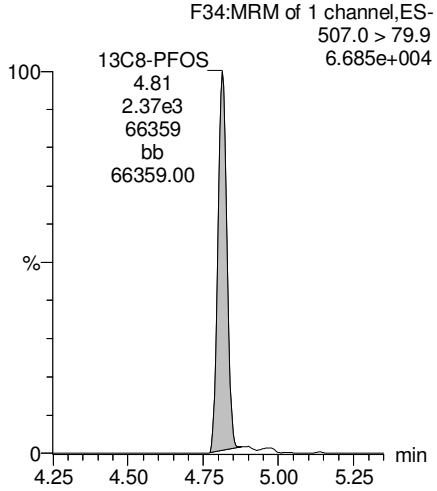
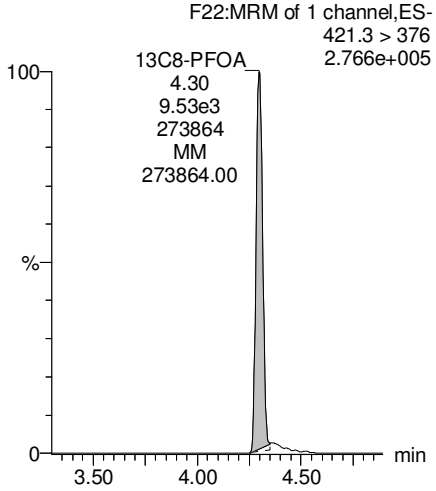


13C8-PFOS



13C8-PFOA



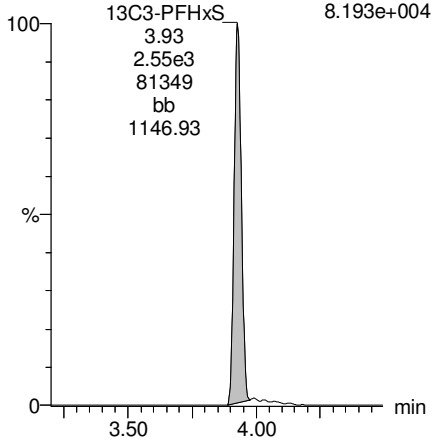
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-107.qld

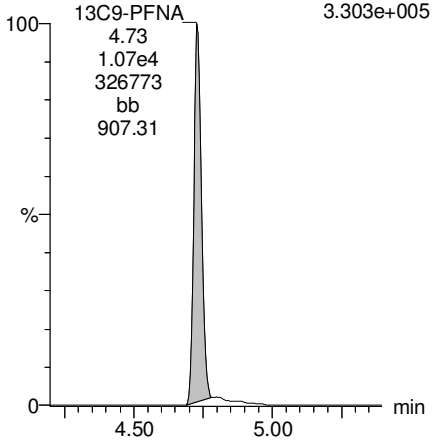
Last Altered: Thursday, March 01, 2018 09:49:41 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:50:12 Pacific Standard Time

Name: 180224M1_107, Date: 25-Feb-2018, Time: 08:40:42, ID: 1800308-07 OF-FB53-0218 0.11932, Description: OF-FB53-0218

13C3-PFHxS



13C9-PFNA



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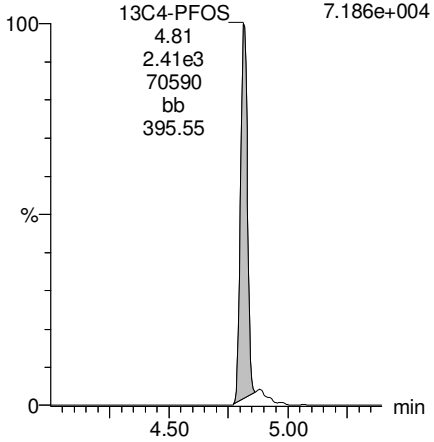

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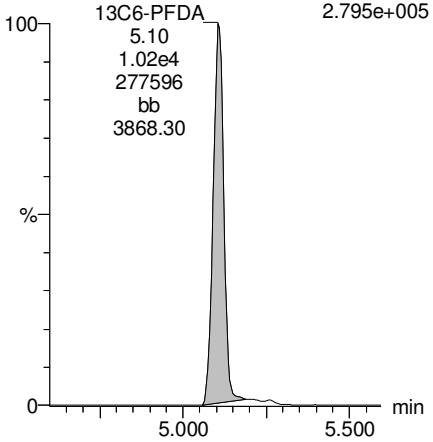
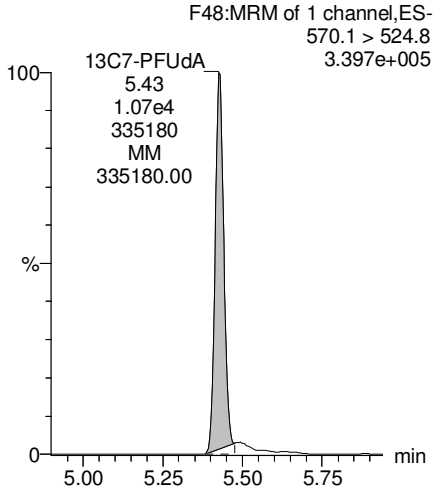


13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-108.qld

Last Altered: Thursday, March 01, 2018 09:53:54 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:54:06 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_108, Date: 25-Feb-2018, Time: 08:52:09, ID: 1800308-08 OF-RW68-0218 0.11919, Description: OF-RW68-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.08e3	0.119		2.60				
2	5	PFHxA	313.2 > 268.9		2.34e3	0.119		3.19				
3	7	PFHpA	363.0 > 318.9		5.70e3	0.119		3.81				
4	8	L-PFHxS	398.9 > 79.6	5.74e0	7.57e2	0.119		4.17	3.93	0.0947	0.8582	
5	11	L-PFOA	413 > 368.7	1.24e2	9.07e3	0.119		4.40	4.30	0.171	1.3976	
6	14	PFNA	463.0 > 418.8		7.17e3	0.119		4.76				
7	16	L-PFOS	499 > 79.9		2.20e3	0.119		4.95				
8	18	PFDA	513 > 468.8		7.63e3	0.119		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.03e3	0.119		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.35e3	0.119		5.45				
11	23	PFUdA	563.0 > 518.9		9.17e3	0.119		5.46				

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-108.qld

Last Altered: Thursday, March 01, 2018 09:53:54 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:54:14 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_108, Date: 25-Feb-2018, Time: 08:52:09, ID: 1800308-08 OF-RW68-0218 0.11919, Description: OF-RW68-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		7.66e3	0.119		5.74				
2	27	PFTrDA	662.9 > 618.9		7.66e3	0.119		5.98				
3	28	PFTeDA	712.9 > 668.8		3.22e3	0.119		6.20				
4	36	13C3-PFBS	302. > 98.8	1.08e3	8.47e3	0.119	0.116	2.69	2.67	1.60	115.6195	110.2
5	37	13C2-PFHxA	315 > 269.8	2.34e3	8.47e3	0.119	0.732	3.19	3.16	3.46	39.6190	94.4
6	38	13C4-PFHpA	367.2 > 321.8	5.70e3	8.47e3	0.119	0.717	3.81	3.78	8.41	98.4420	93.9
7	39	18O2-PFHxS	403.0 > 102.6	7.57e2	2.22e3	0.119	0.368	3.96	3.93	4.27	97.3944	92.9
8	40	13C2-PFOA	414.9 > 369.7	9.07e3	8.91e3	0.119	1.311	4.33	4.30	12.7	81.4439	77.7
9	41	13C5-PFNA	468.2 > 422.9	7.17e3	8.68e3	0.119	0.974	4.76	4.73	10.3	88.9581	84.8
10	42	13C8-PFOSA	506.1 > 77.7	1.79e3	1.08e4	0.119	0.187	4.83	4.79	2.08	92.8643	88.5
11	43	13C8-PFOS	507.0 > 79.9	2.20e3	2.38e3	0.119	1.075	4.84	4.81	11.6	90.2476	86.1
12	44	13C2-PFDA	515.1 > 469.9	7.63e3	9.98e3	0.119	1.019	5.14	5.10	9.56	78.6885	75.0
13	45	d3-N-MeFOSAA	573.3 > 419	3.03e3	1.08e4	0.119	0.325	5.29	5.25	3.51	90.6077	86.4
14	46	d5-N-EtFOSAA	589.3 > 419	3.35e3	1.08e4	0.119	0.345	5.45	5.41	3.89	94.5013	90.1
15	47	13C2-PFUdA	565 > 519.8	9.17e3	1.08e4	0.119	1.071	5.46	5.43	10.6	83.2771	79.4
16	48	13C2-PFDoA	615.0 > 569.7	7.66e3	1.08e4	0.119	0.995	5.74	5.71	8.88	74.8717	71.4
17	49	d3-N-MeFOSA	515.2 > 168.9		1.08e4	0.119	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	3.22e3	1.08e4	0.119	0.551	6.20	6.18	3.73	56.8214	54.2
19	51	d5-N-ETFOSA	531.1 > 168.9		1.08e4	0.119	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	2.34e3	1.08e4	0.119	0.752	6.51	6.50	2.72	30.3245	72.3
21	53	d7-N-MeFOSE	623.1 > 58.9		1.08e4	0.119	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.08e4	0.119	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	7.92e3	7.92e3	0.119	1.000	1.46	1.44	12.5	104.8746	100.0
24	56	13C5-PFHxA	318 > 272.9	8.47e3	8.47e3	0.119	1.000	3.19	3.16	12.5	104.8746	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.22e3	2.22e3	0.119	1.000	3.96	3.93	12.5	104.8746	100.0
26	58	13C8-PFOA	421.3 > 376	8.91e3	8.91e3	0.119	1.000	4.33	4.30	12.5	104.8746	100.0
27	59	13C9-PFNA	472.2 > 426.9	8.68e3	8.68e3	0.119	1.000	4.70	4.73	12.5	104.8746	100.0
28	60	13C4-PFOS	503 > 79.9	2.38e3	2.38e3	0.119	1.000	4.84	4.81	12.5	104.8746	100.0
29	61	13C6-PFDA	519.1 > 473.7	9.98e3	9.98e3	0.119	1.000	5.14	5.10	12.5	104.8746	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.08e4	1.08e4	0.119	1.000	5.46	5.43	12.5	104.8746	100.0
31	63	Total PFHxS	398.9 > 79.6	5.74e0	7.57e2	0.119		3.85		0.0947	0.8582	
32	64	Total PFOA	413 > 368.7	1.24e2	9.07e3	0.119		4.21		0.171	1.3976	

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-108.qld

Last Altered: Thursday, March 01, 2018 09:53:54 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:54:14 Pacific Standard Time

Name: 180224M1_108, Date: 25-Feb-2018, Time: 08:52:09, ID: 1800308-08 OF-RW68-0218 0.11919, Description: OF-RW68-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.20e3	0.119		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.03e3	0.119		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.35e3	0.119		5.45		0.000		

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Rev'd: MM 3/1/2018

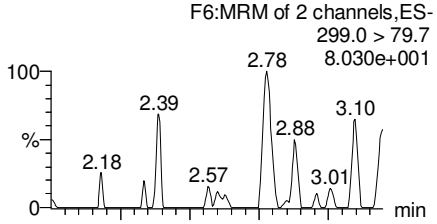
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-108.qld

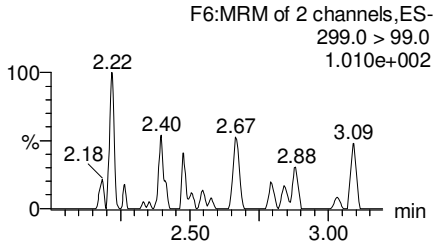
Last Altered: Thursday, March 01, 2018 09:53:54 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:54:14 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

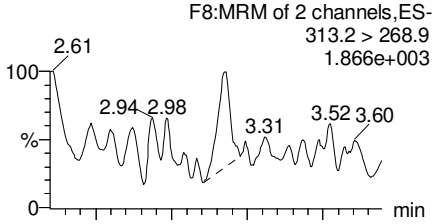
Name: 180224M1_108, Date: 25-Feb-2018, Time: 08:52:09, ID: 1800308-08 OF-RW68-0218 0.11919, Description: OF-RW68-0218

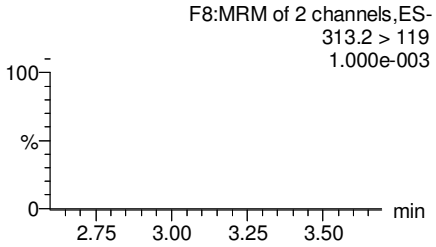
PFBS





PFHxA





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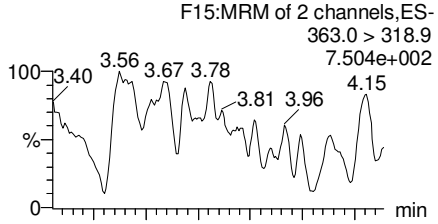
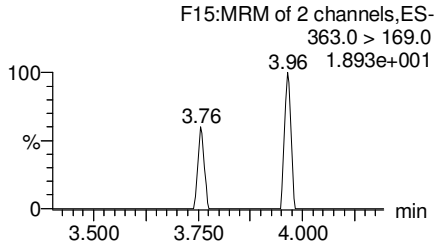
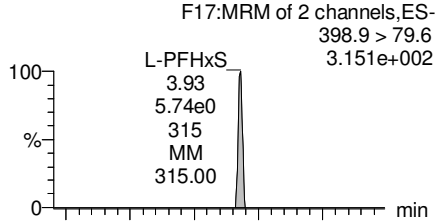
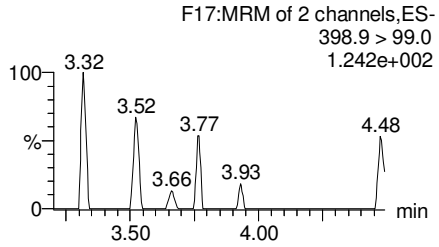


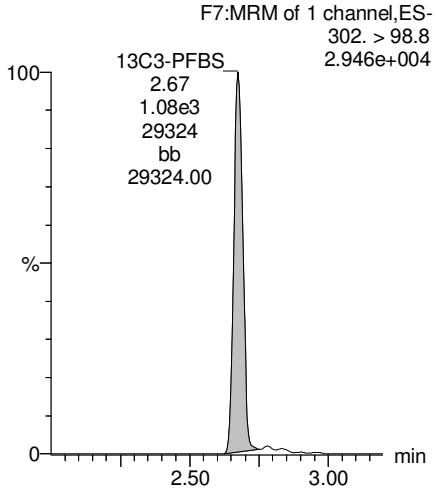


Total PFHxS

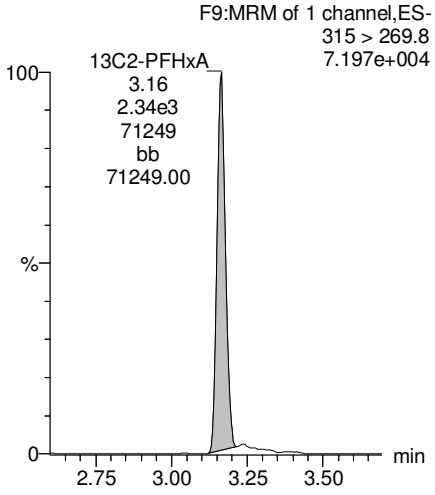




13C3-PFBS



13C2-PFHxA



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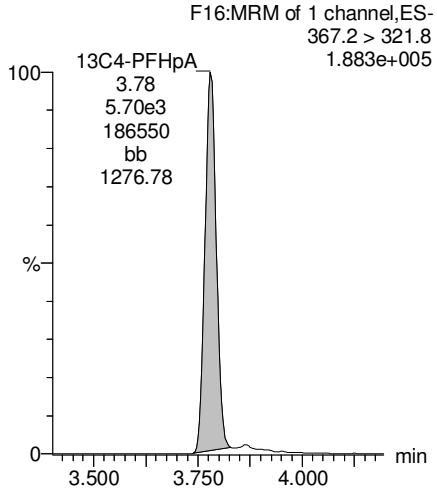
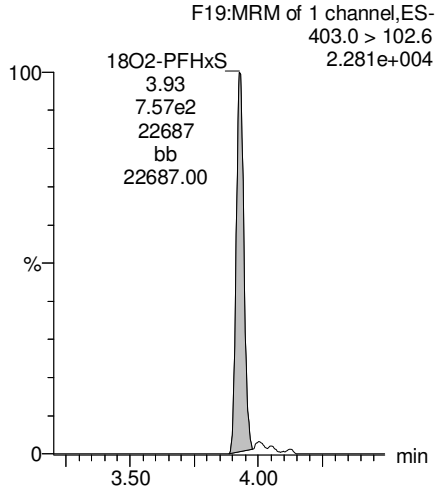


18O2-PFHxS



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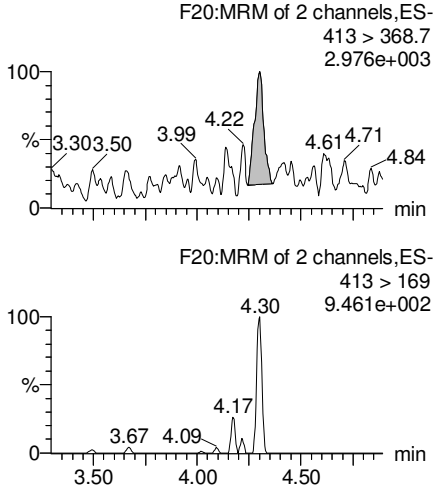
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-108.qld

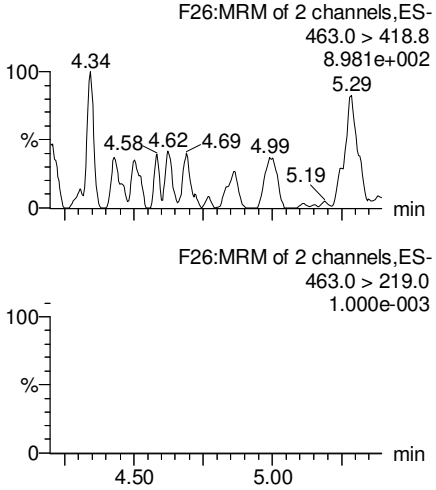
Last Altered: Thursday, March 01, 2018 09:53:54 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:54:14 Pacific Standard Time

Name: 180224M1_108, Date: 25-Feb-2018, Time: 08:52:09, ID: 1800308-08 OF-RW68-0218 0.11919, Description: OF-RW68-0218

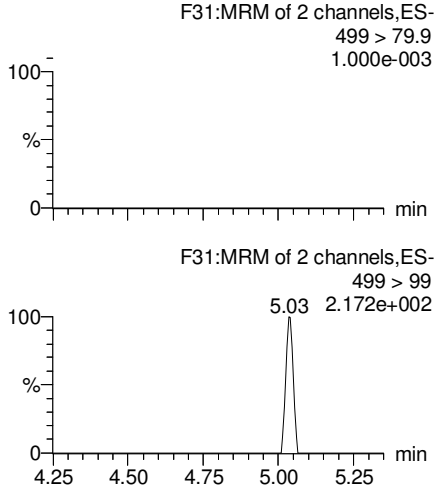
Total PFOA



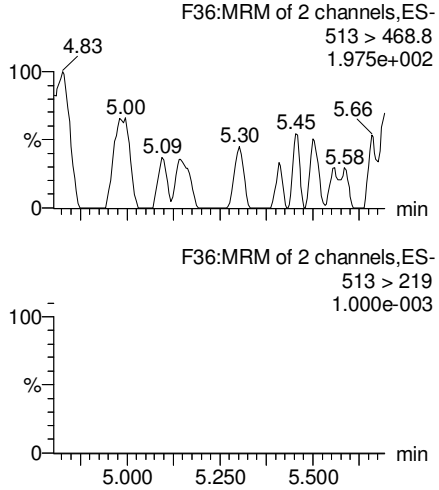
PFNA



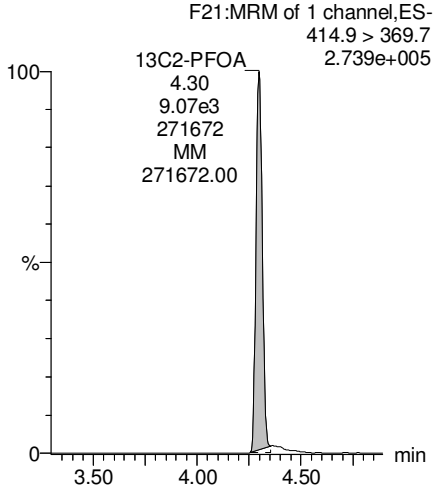
Total PFOS



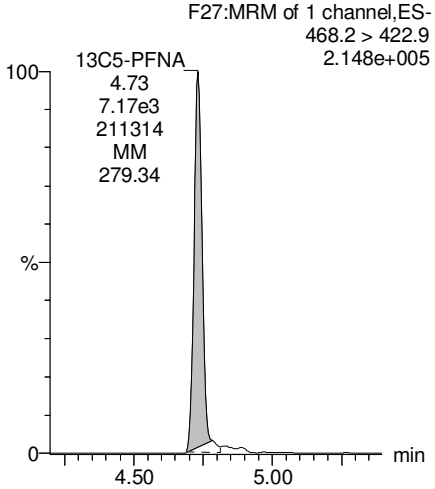
PFDA



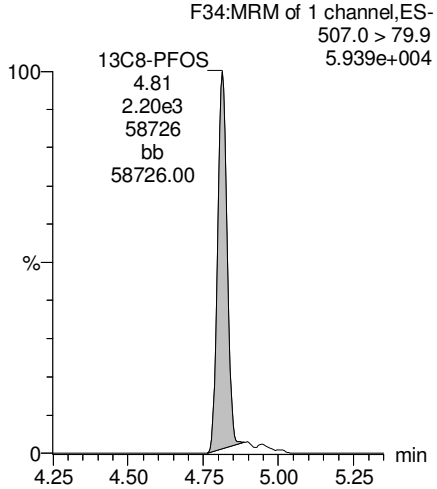
13C2-PFOA



13C5-PFNA



13C8-PFOS



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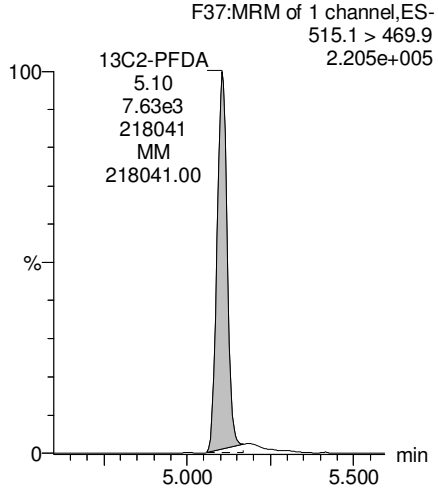

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Vista Analytical Laboratory

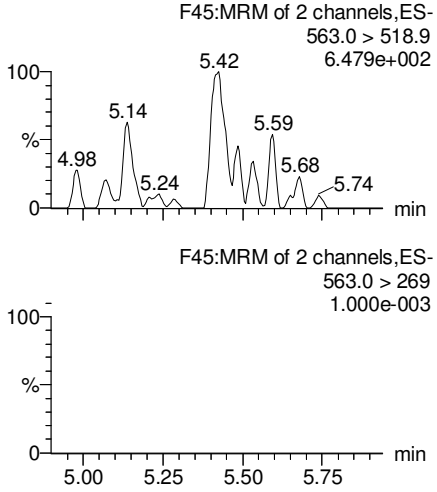
Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-108.qld

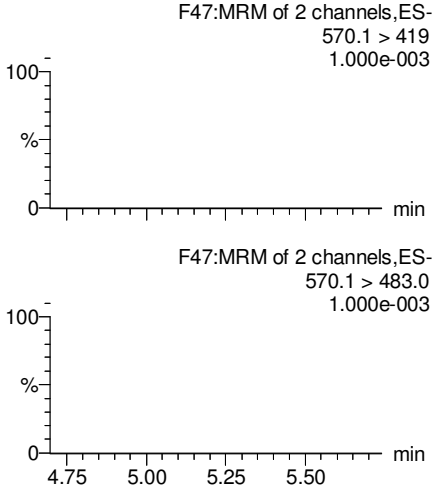
Last Altered: Thursday, March 01, 2018 09:53:54 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:54:14 Pacific Standard Time

Name: 180224M1_108, Date: 25-Feb-2018, Time: 08:52:09, ID: 1800308-08 OF-RW68-0218 0.11919, Description: OF-RW68-0218

PFUdA



N-MeFOSAA



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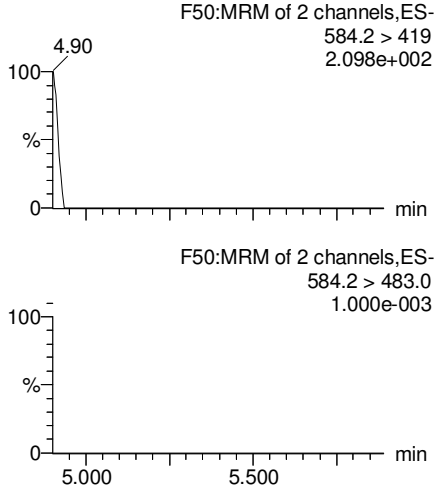
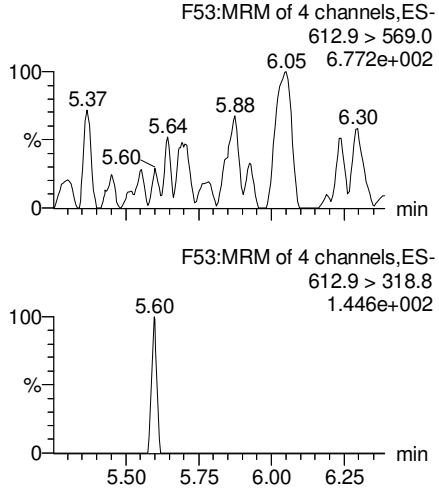
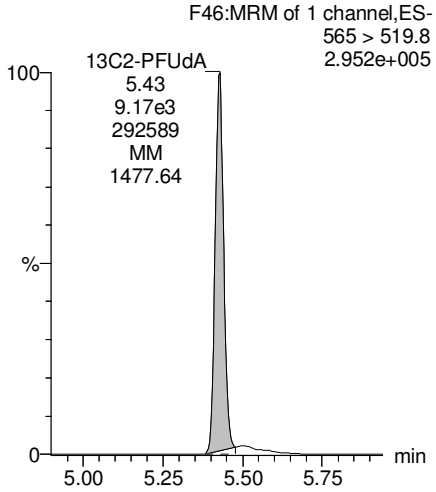


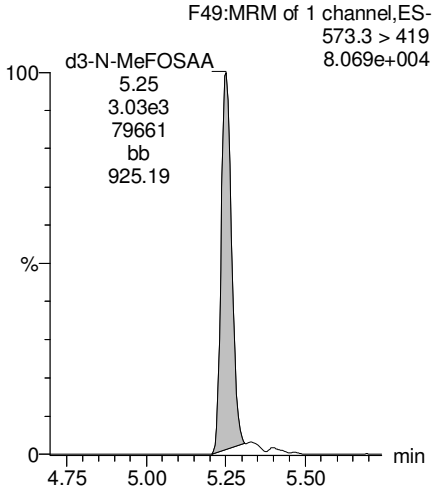
PFDoA



13C2-PFUdA



d3-N-MeFOSAA



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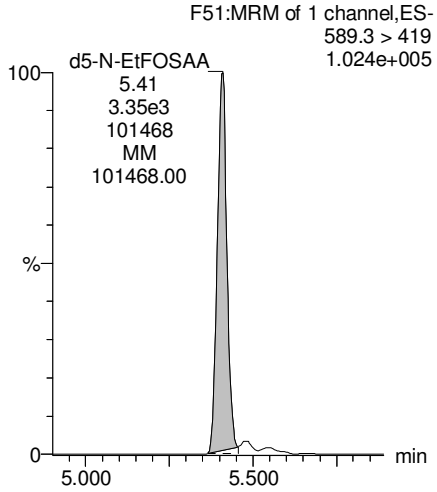
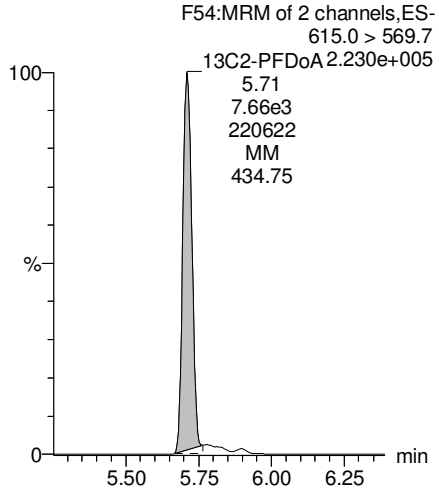


13C2-PFDoA



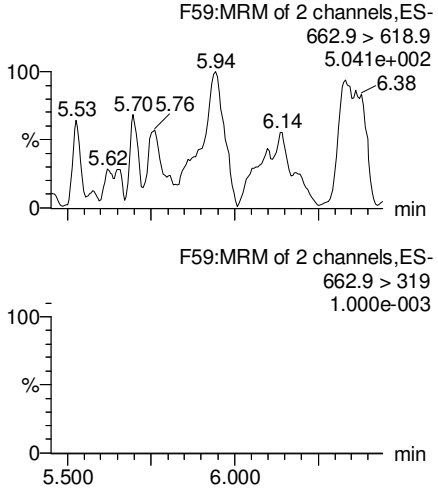
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-108.qld

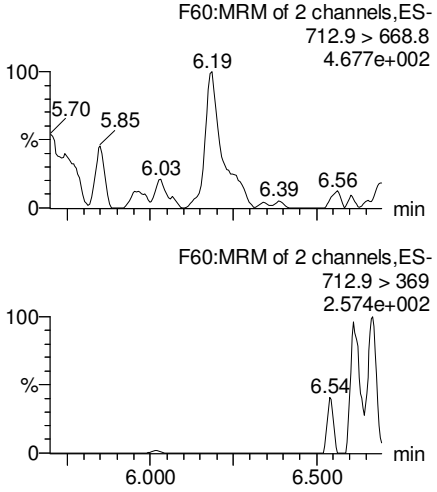
Last Altered: Thursday, March 01, 2018 09:53:54 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:54:14 Pacific Standard Time

Name: 180224M1_108, Date: 25-Feb-2018, Time: 08:52:09, ID: 1800308-08 OF-RW68-0218 0.11919, Description: OF-RW68-0218

PFTrDA



PFTeDA



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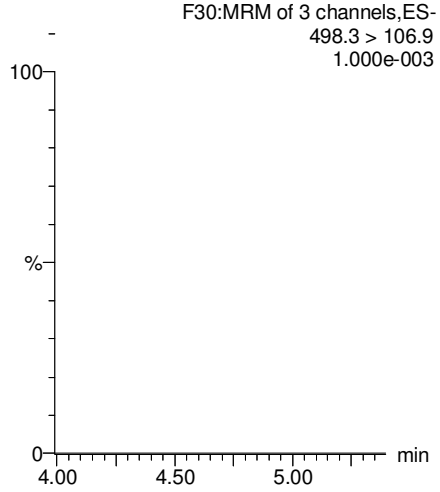
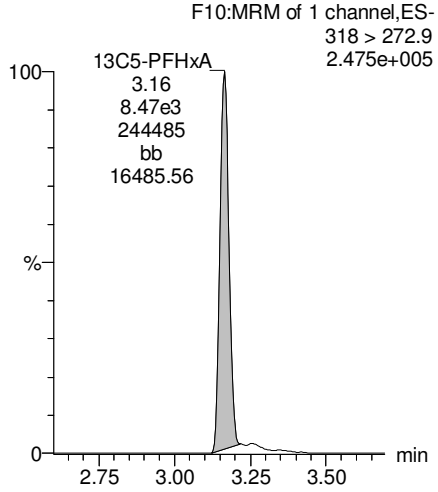


13C5-PFHxA



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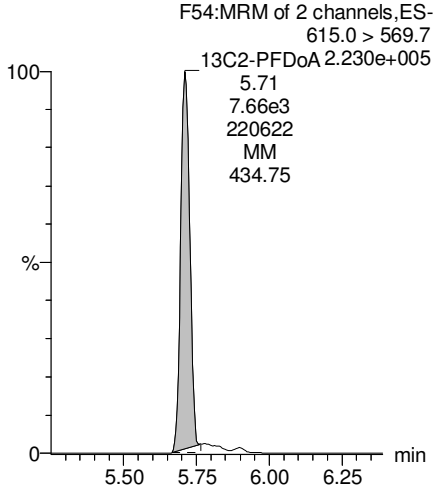

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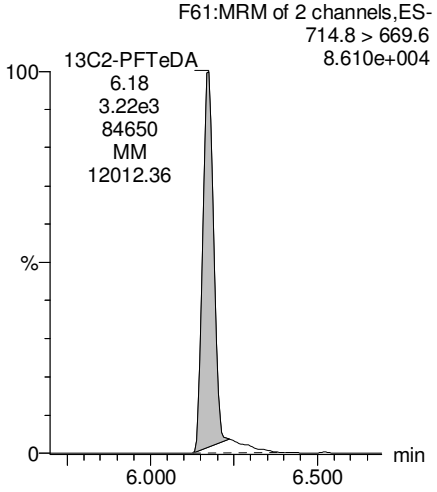
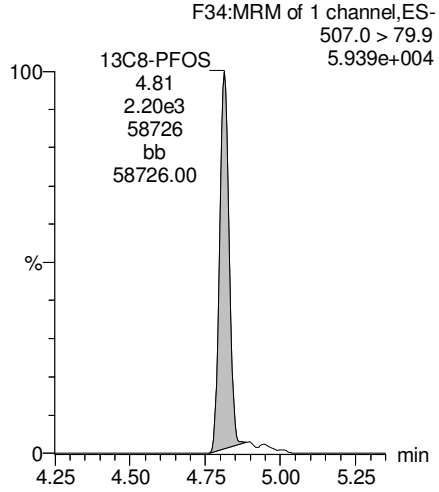
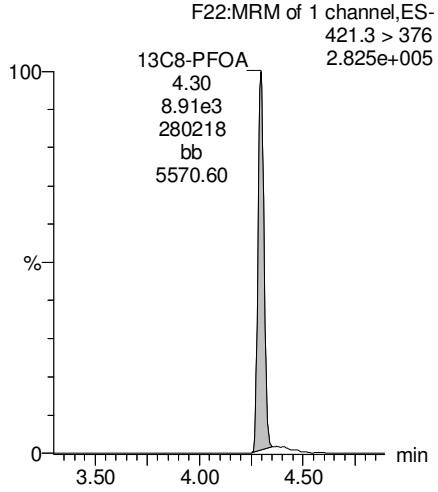


13C8-PFOS



13C8-PFOA



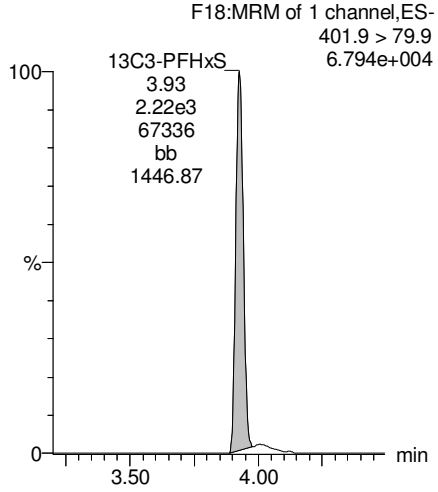
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-108.qld

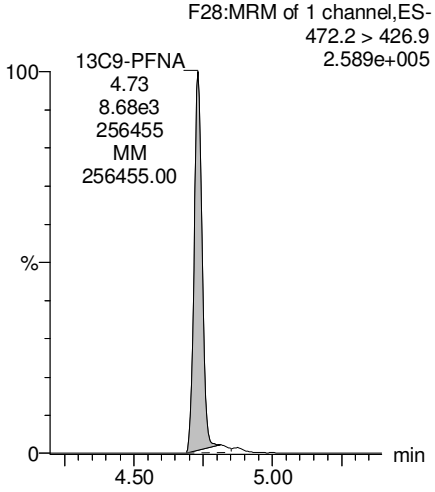
Last Altered: Thursday, March 01, 2018 09:53:54 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:54:14 Pacific Standard Time

Name: 180224M1_108, Date: 25-Feb-2018, Time: 08:52:09, ID: 1800308-08 OF-RW68-0218 0.11919, Description: OF-RW68-0218

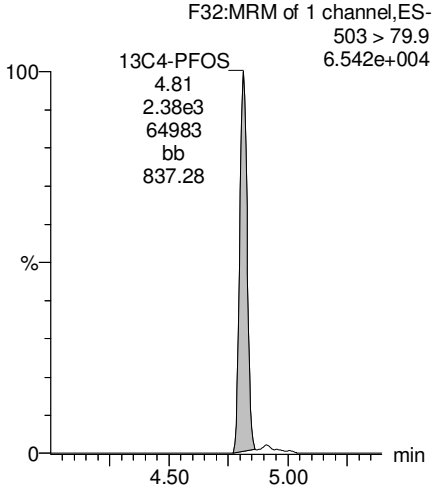
13C3-PFHxS



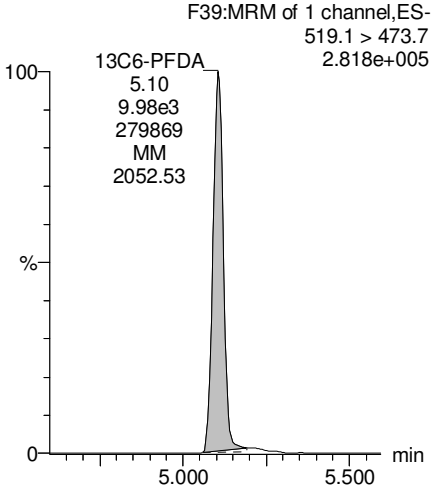
13C9-PFNA



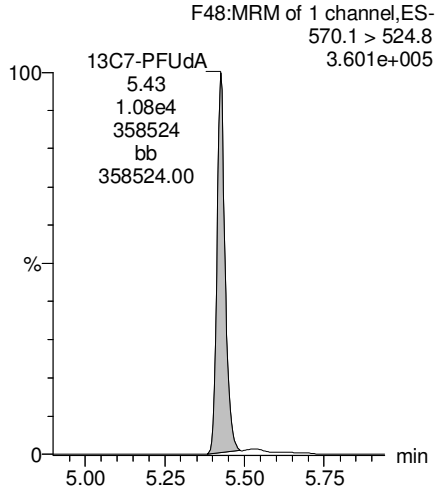
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-109.qld

Last Altered: Thursday, March 01, 2018 09:57:14 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:57:29 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_109, Date: 25-Feb-2018, Time: 09:03:36, ID: 1800308-09 OF-FB68-0218 0.11842, Description: OF-FB68-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.18e3	0.118		2.60				
2	5	PFHxA	313.2 > 268.9		2.45e3	0.118		3.19				
3	7	PFHpA	363.0 > 318.9		5.75e3	0.118		3.81				
4	8	L-PFHxS	398.9 > 79.6	1.05e1	8.62e2	0.118		4.17	3.93	0.153	1.1294	
5	11	L-PFOA	413 > 368.7	1.02e2	9.38e3	0.118		4.40	4.30	0.136	1.1161	
6	14	PFNA	463.0 > 418.8		6.73e3	0.118		4.76				
7	16	L-PFOS	499 > 79.9		2.31e3	0.118		4.95				
8	18	PFDA	513 > 468.8		6.30e3	0.118		5.14				
9	21	N-MeFOSAA	570.1 > 419		2.71e3	0.118		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.09e3	0.118		5.45				
11	23	PFUdA	563.0 > 518.9		7.15e3	0.118		5.46				

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-109.qld

Last Altered: Thursday, March 01, 2018 09:57:14 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:57:36 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_109, Date: 25-Feb-2018, Time: 09:03:36, ID: 1800308-09 OF-FB68-0218 0.11842, Description: OF-FB68-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		4.85e3	0.118		5.74				
2	27	PFTrDA	662.9 > 618.9		4.85e3	0.118		5.98				
3	28	PFTeDA	712.9 > 668.8		3.02e3	0.118		6.20				
4	36	13C3-PFBS	302. > 98.8	1.18e3	9.10e3	0.118	0.116	2.69	2.67	1.62	117.7579	111.6
5	37	13C2-PFHxA	315 > 269.8	2.45e3	9.10e3	0.118	0.732	3.19	3.16	3.37	38.8375	92.0
6	38	13C4-PFHpA	367.2 > 321.8	5.75e3	9.10e3	0.118	0.717	3.81	3.78	7.90	93.0049	88.1
7	39	18O2-PFHxS	403.0 > 102.6	8.62e2	2.56e3	0.118	0.368	3.96	3.93	4.22	96.8067	91.7
8	40	13C2-PFOA	414.9 > 369.7	9.38e3	8.01e3	0.118	1.311	4.33	4.30	14.6	94.2635	89.3
9	41	13C5-PFNA	468.2 > 422.9	6.73e3	9.27e3	0.118	0.974	4.76	4.73	9.07	78.6100	74.5
10	42	13C8-PFOSA	506.1 > 77.7	1.47e3	9.73e3	0.118	0.187	4.83	4.79	1.89	84.9765	80.5
11	43	13C8-PFOS	507.0 > 79.9	2.31e3	2.42e3	0.118	1.075	4.84	4.81	11.9	93.6743	88.7
12	44	13C2-PFDA	515.1 > 469.9	6.30e3	8.69e3	0.118	1.019	5.14	5.10	9.06	75.1177	71.2
13	45	d3-N-MeFOSAA	573.3 > 419	2.71e3	9.73e3	0.118	0.325	5.29	5.25	3.48	90.4192	85.7
14	46	d5-N-EtFOSAA	589.3 > 419	3.09e3	9.73e3	0.118	0.345	5.45	5.41	3.96	97.0292	91.9
15	47	13C2-PFUdA	565 > 519.8	7.15e3	9.73e3	0.118	1.071	5.46	5.42	9.18	72.3809	68.6
16	48	13C2-PFDoA	615.0 > 569.7	4.85e3	9.73e3	0.118	0.995	5.74	5.70	6.23	52.8521	50.1
17	49	d3-N-MeFOSA	515.2 > 168.9		9.73e3	0.118	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	3.02e3	9.73e3	0.118	0.551	6.20	6.17	3.88	59.4863	56.4
19	51	d5-N-ETFOSA	531.1 > 168.9		9.73e3	0.118	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	2.31e3	9.73e3	0.118	0.752	6.51	6.49	2.96	33.2960	78.9
21	53	d7-N-MeFOSE	623.1 > 58.9		9.73e3	0.118	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		9.73e3	0.118	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	7.82e3	7.82e3	0.118	1.000	1.46	1.44	12.5	105.5565	100.0
24	56	13C5-PFHxA	318 > 272.9	9.10e3	9.10e3	0.118	1.000	3.19	3.16	12.5	105.5565	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.56e3	2.56e3	0.118	1.000	3.96	3.92	12.5	105.5565	100.0
26	58	13C8-PFOA	421.3 > 376	8.01e3	8.01e3	0.118	1.000	4.33	4.30	12.5	105.5565	100.0
27	59	13C9-PFNA	472.2 > 426.9	9.27e3	9.27e3	0.118	1.000	4.70	4.73	12.5	105.5565	100.0
28	60	13C4-PFOS	503 > 79.9	2.42e3	2.42e3	0.118	1.000	4.84	4.81	12.5	105.5565	100.0
29	61	13C6-PFDA	519.1 > 473.7	8.69e3	8.69e3	0.118	1.000	5.14	5.10	12.5	105.5565	100.0
30	62	13C7-PFUdA	570.1 > 524.8	9.73e3	9.73e3	0.118	1.000	5.46	5.43	12.5	105.5565	100.0
31	63	Total PFHxS	398.9 > 79.6	1.05e1	8.62e2	0.118		3.85		0.153	1.1294	
32	64	Total PFOA	413 > 368.7	1.02e2	9.38e3	0.118		4.21		0.136	1.1161	

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-109.qld

Last Altered: Thursday, March 01, 2018 09:57:14 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:57:36 Pacific Standard Time

Name: 180224M1_109, Date: 25-Feb-2018, Time: 09:03:36, ID: 1800308-09 OF-FB68-0218 0.11842, Description: OF-FB68-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.31e3	0.118		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	2.71e3	0.118		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.09e3	0.118		5.45		0.000		

GM 3/1/2018

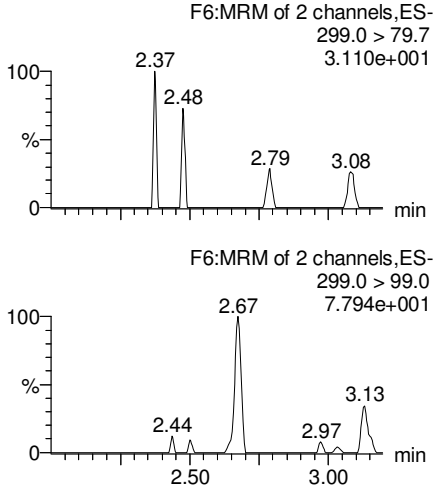
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-109.qld

Last Altered: Thursday, March 01, 2018 09:57:14 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:57:36 Pacific Standard Time

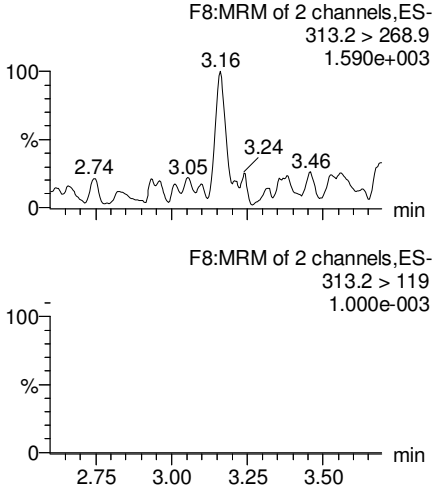
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_109, Date: 25-Feb-2018, Time: 09:03:36, ID: 1800308-09 OF-FB68-0218 0.11842, Description: OF-FB68-0218

PFBS



PFHxA



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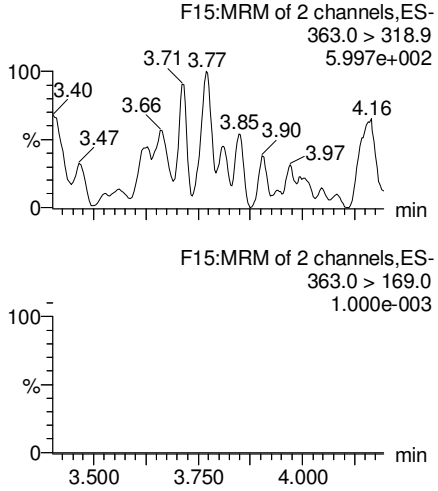

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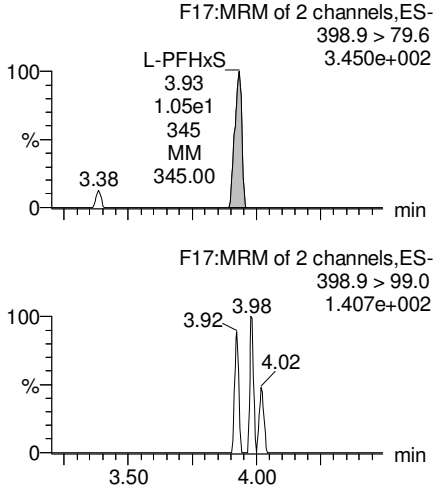

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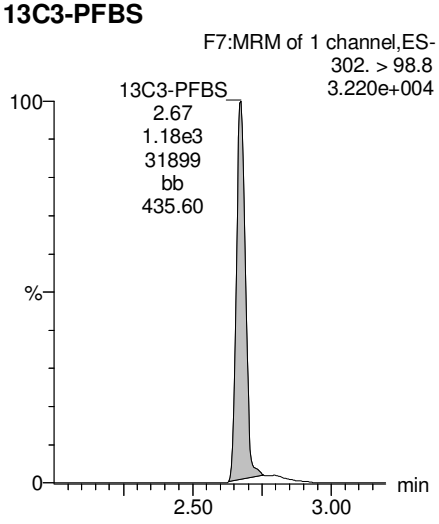

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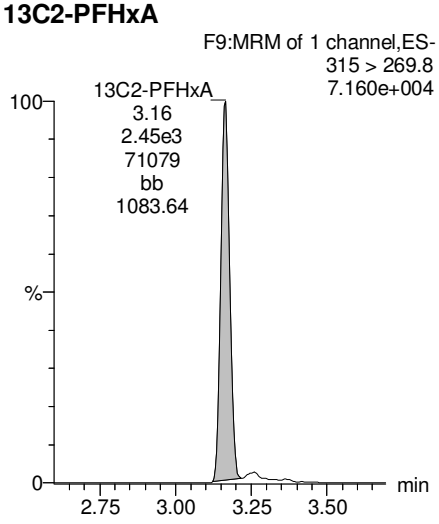

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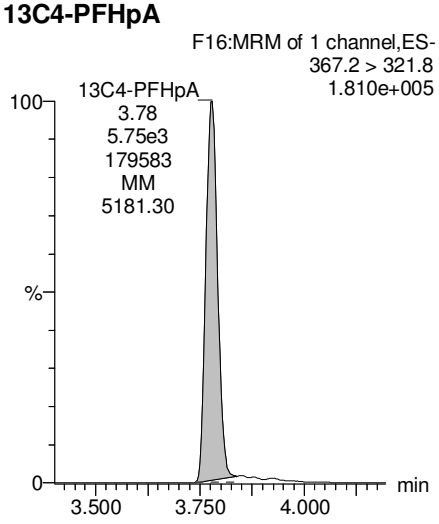

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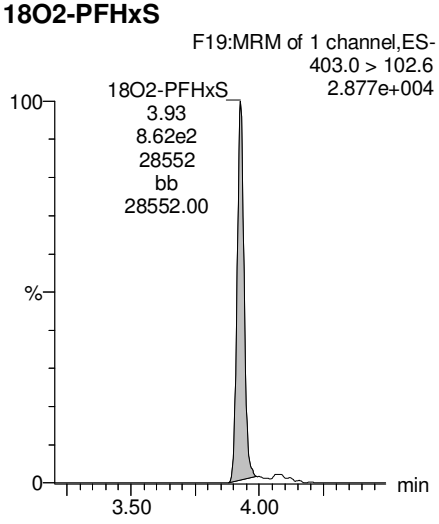


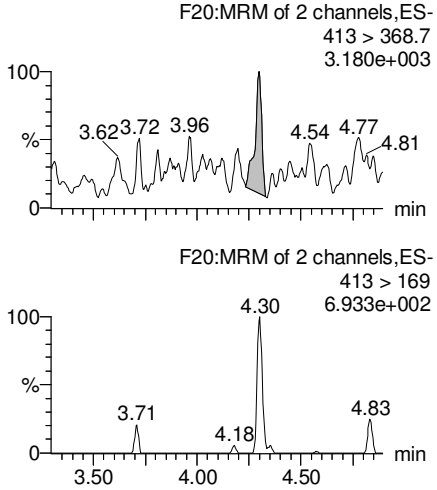
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-109.qld

Last Altered: Thursday, March 01, 2018 09:57:14 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:57:36 Pacific Standard Time

Name: 180224M1_109, Date: 25-Feb-2018, Time: 09:03:36, ID: 1800308-09 OF-FB68-0218 0.11842, Description: OF-FB68-0218

Total PFOA



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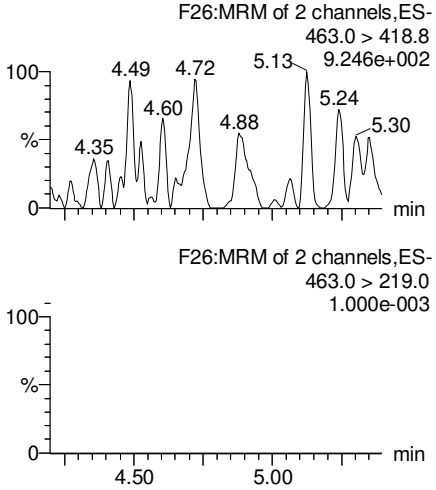
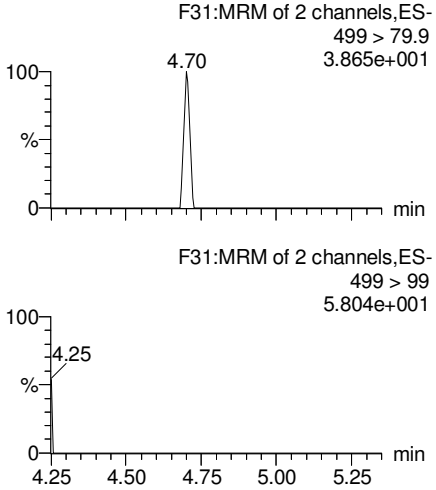


Total PFOS



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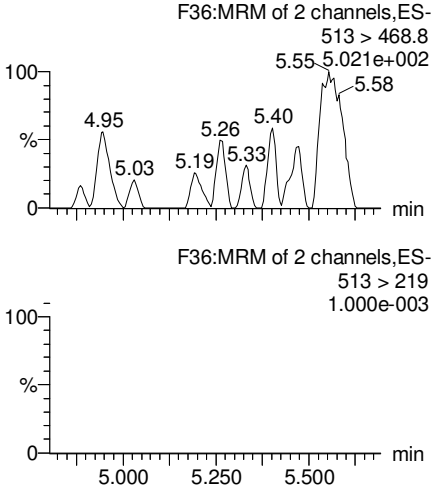
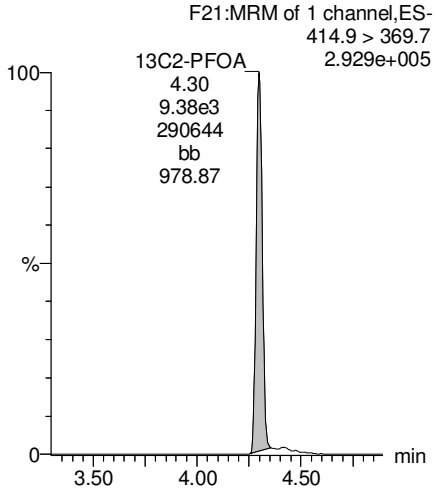


13C2-PFOA



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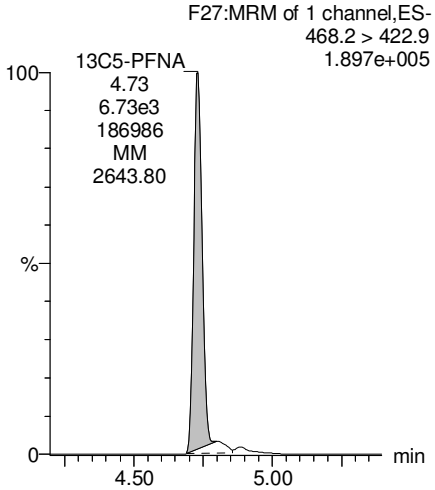
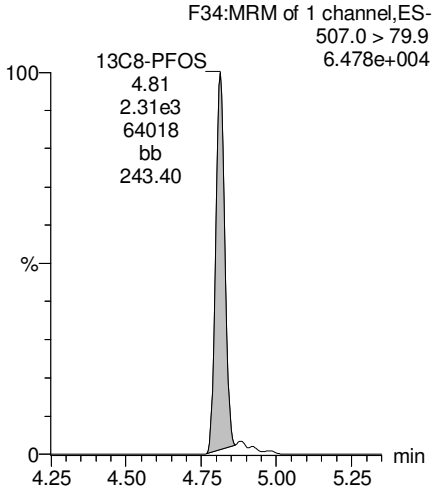


13C8-PFOS



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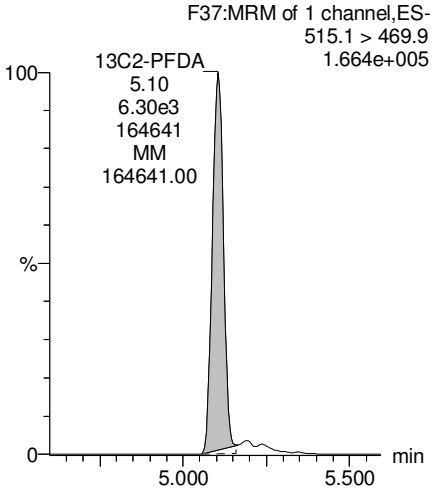


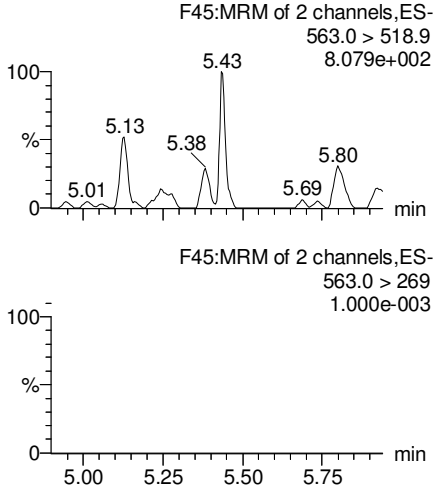
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-109.qld

Last Altered: Thursday, March 01, 2018 09:57:14 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:57:36 Pacific Standard Time

Name: 180224M1_109, Date: 25-Feb-2018, Time: 09:03:36, ID: 1800308-09 OF-FB68-0218 0.11842, Description: OF-FB68-0218

PFUdA



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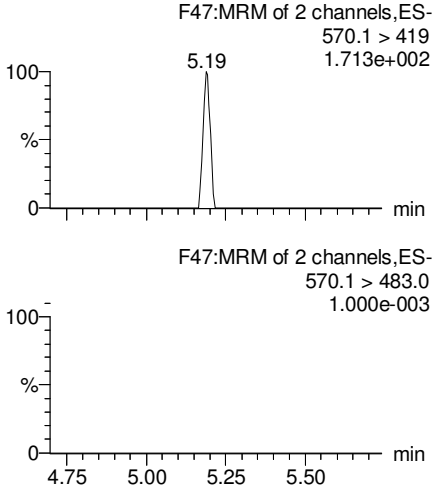

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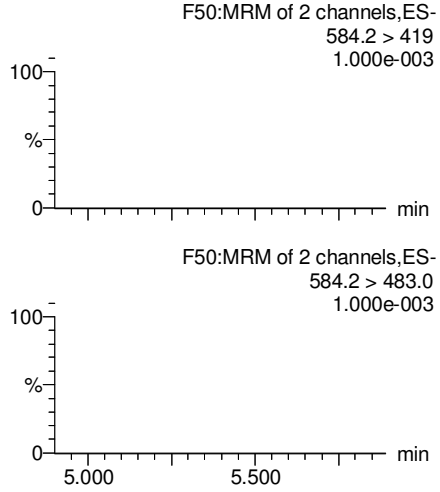

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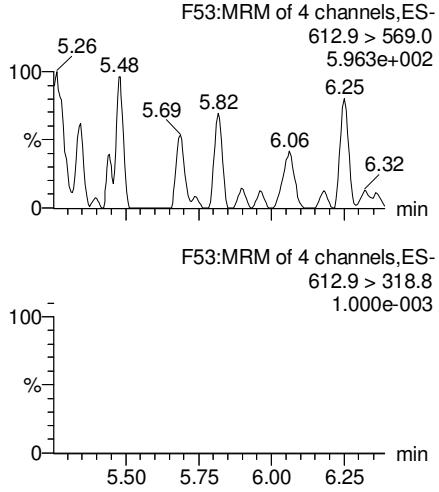

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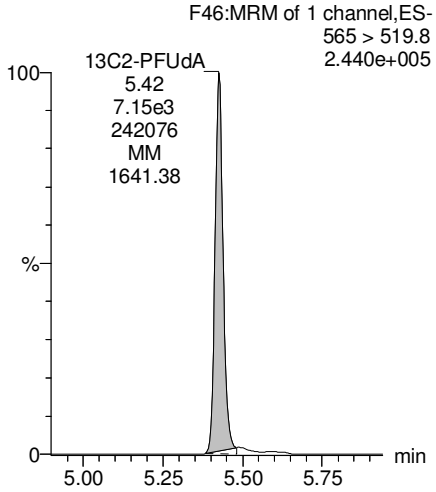

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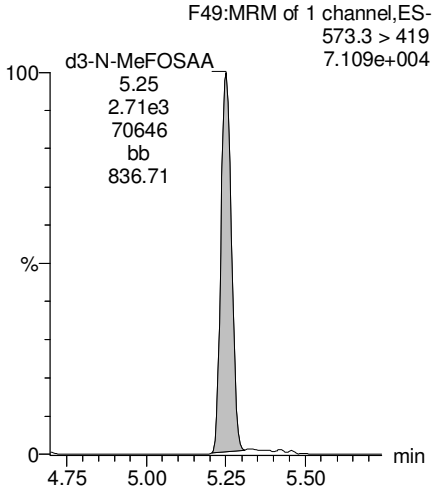

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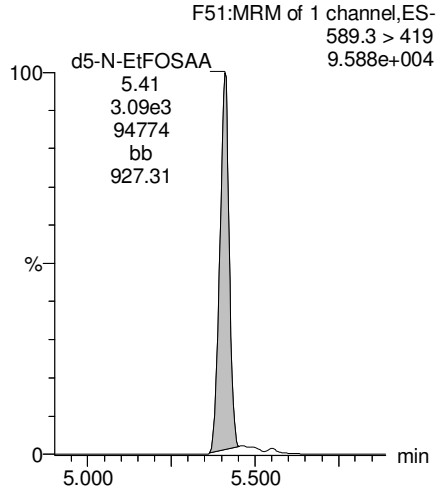

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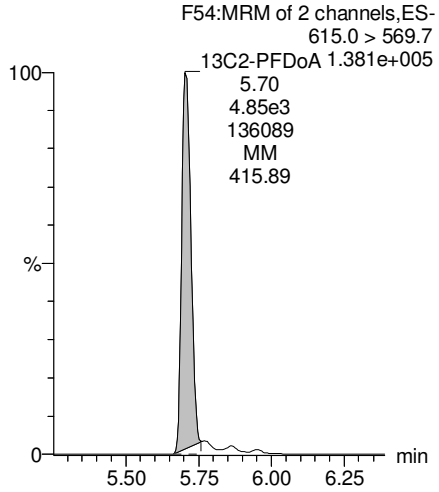


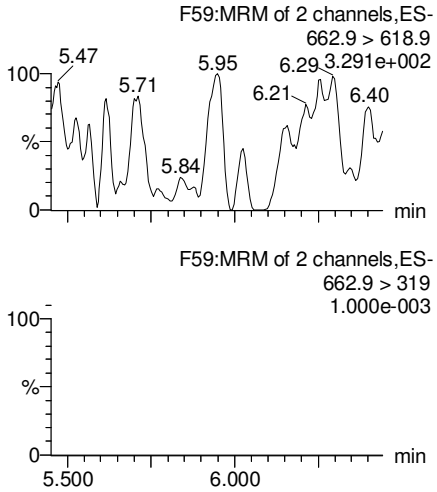
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-109.qld

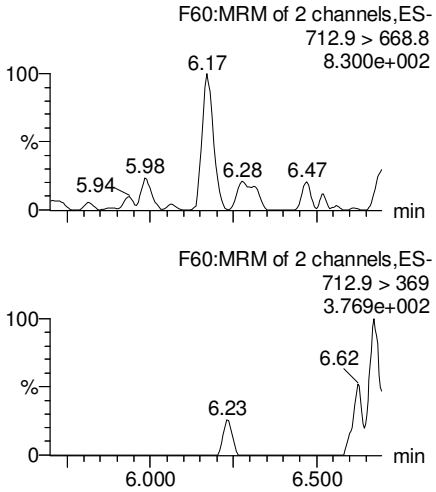
Last Altered: Thursday, March 01, 2018 09:57:14 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:57:36 Pacific Standard Time

Name: 180224M1_109, Date: 25-Feb-2018, Time: 09:03:36, ID: 1800308-09 OF-FB68-0218 0.11842, Description: OF-FB68-0218

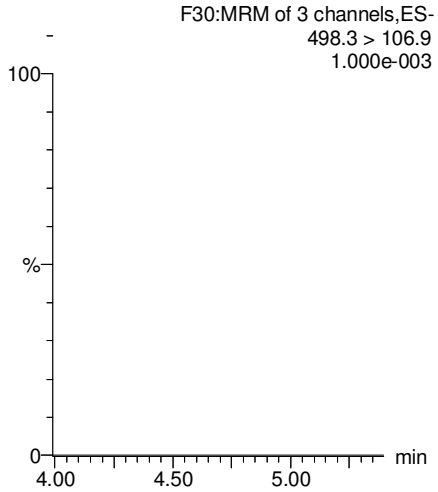
PFTrDA



PFTeDA



TCDA



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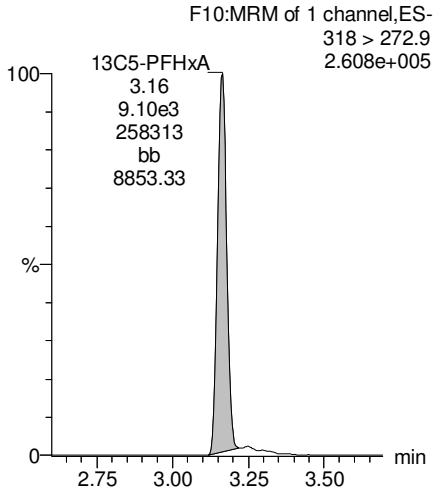

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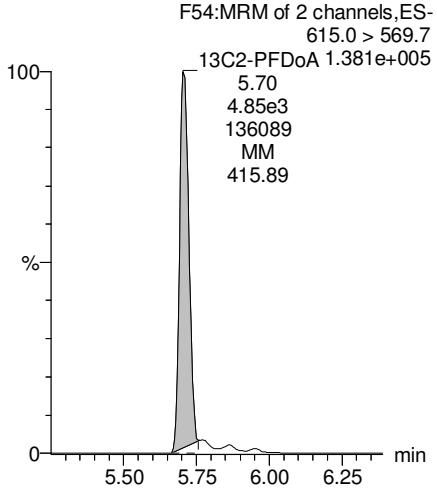

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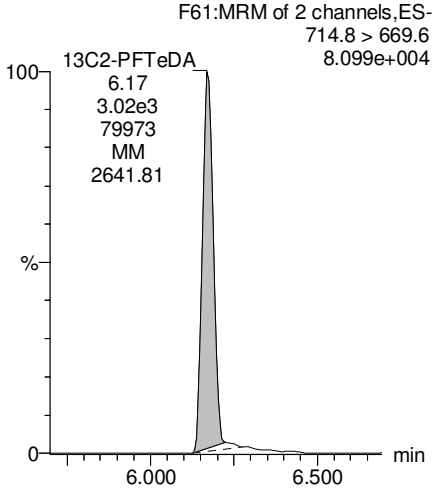
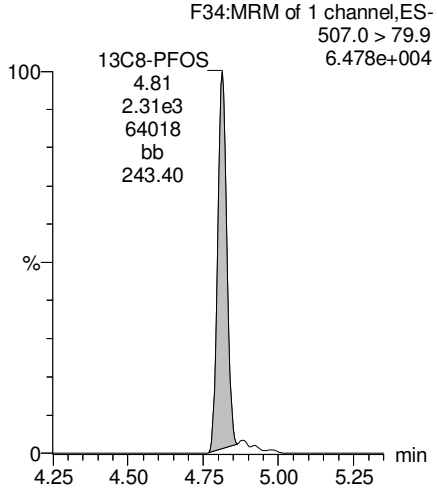


13C8-PFOS



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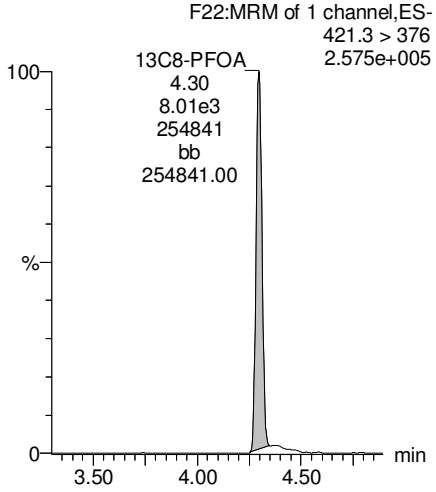

GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-109.qld

Last Altered: Thursday, March 01, 2018 09:57:14 Pacific Standard Time
Printed: Thursday, March 01, 2018 09:57:36 Pacific Standard Time

Name: 180224M1_109, Date: 25-Feb-2018, Time: 09:03:36, ID: 1800308-09 OF-FB68-0218 0.11842, Description: OF-FB68-0218

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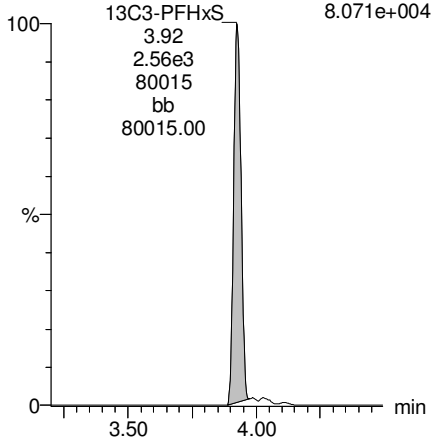

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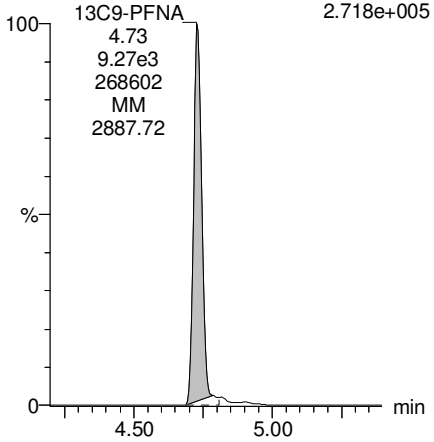

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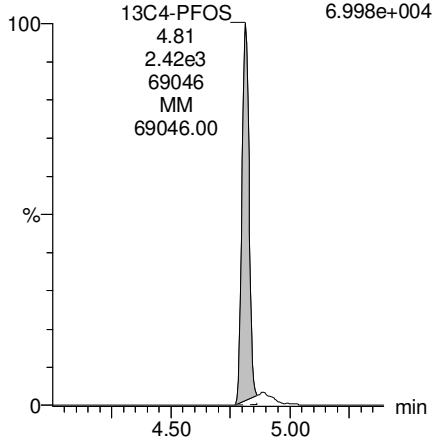

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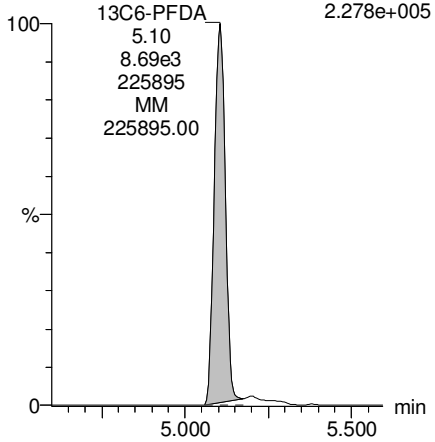

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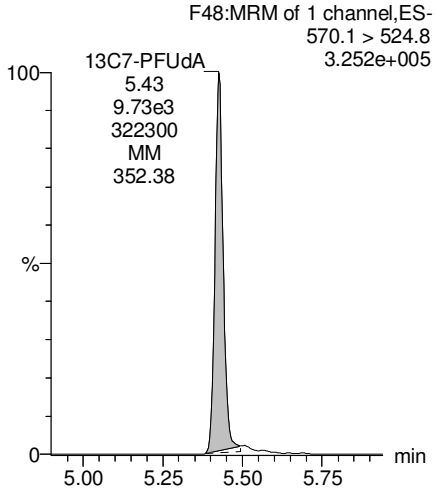

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-110.qld

Last Altered: Thursday, March 01, 2018 10:01:17 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:01:41 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_110, Date: 25-Feb-2018, Time: 09:15:05, ID: 1800308-10 OF-RW54-0218 0.07054, Description: OF-RW54-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.20e3	0.0705		2.60				
2	5	PFHxA	313.2 > 268.9		2.58e3	0.0705		3.19				
3	7	PFHpA	363.0 > 318.9		6.48e3	0.0705		3.81				
4	8	L-PFHxS	398.9 > 79.6	5.67e-1	8.76e2	0.0705		4.17	3.92	0.00809	0.7862	
5	11	L-PFOA	413 > 368.7	6.93e1	8.16e3	0.0705		4.40	4.30	0.106	1.4405	
6	14	PFNA	463.0 > 418.8		7.70e3	0.0705		4.76				
7	16	L-PFOS	499 > 79.9		2.60e3	0.0705		4.95				
8	18	PFDA	513 > 468.8		7.08e3	0.0705		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.20e3	0.0705		5.29				
10	22	N-EtFOSAA	584.2 > 419		4.18e3	0.0705		5.45				
11	23	PFUdA	563.0 > 518.9		9.19e3	0.0705		5.46				

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-110.qld

Last Altered: Thursday, March 01, 2018 10:01:17 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:01:49 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_110, Date: 25-Feb-2018, Time: 09:15:05, ID: 1800308-10 OF-RW54-0218 0.07054, Description: OF-RW54-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		6.57e3	0.0705		5.74				
2	27	PFTrDA	662.9 > 618.9		6.57e3	0.0705		5.98				
3	28	PFTeDA	712.9 > 668.8		3.20e3	0.0705		6.20				
4	36	13C3-PFBS	302. > 98.8	1.20e3	8.87e3	0.0705	0.116	2.69	2.67	1.70	207.3454	117.0
5	37	13C2-PFHxA	315 > 269.8	2.58e3	8.87e3	0.0705	0.732	3.19	3.16	3.64	70.5197	99.5
6	38	13C4-PFHpA	367.2 > 321.8	6.48e3	8.87e3	0.0705	0.717	3.81	3.78	9.13	180.5752	101.9
7	39	18O2-PFHxS	403.0 > 102.6	8.76e2	2.47e3	0.0705	0.368	3.96	3.92	4.44	171.2227	96.6
8	40	13C2-PFOA	414.9 > 369.7	8.16e3	8.14e3	0.0705	1.311	4.33	4.30	12.5	135.5531	76.5
9	41	13C5-PFNA	468.2 > 422.9	7.70e3	9.43e3	0.0705	0.974	4.76	4.73	10.2	148.6333	83.9
10	42	13C8-PFOSA	506.1 > 77.7	1.74e3	1.07e4	0.0705	0.187	4.83	4.79	2.03	153.8496	86.8
11	43	13C8-PFOS	507.0 > 79.9	2.60e3	2.49e3	0.0705	1.075	4.84	4.81	13.0	171.9361	97.0
12	44	13C2-PFDA	515.1 > 469.9	7.08e3	9.67e3	0.0705	1.019	5.14	5.10	9.15	127.2747	71.8
13	45	d3-N-MeFOSAA	573.3 > 419	3.20e3	1.07e4	0.0705	0.325	5.29	5.25	3.75	163.4384	92.2
14	46	d5-N-EtFOSAA	589.3 > 419	4.18e3	1.07e4	0.0705	0.345	5.45	5.41	4.90	201.3110	113.6
15	47	13C2-PFUdA	565 > 519.8	9.19e3	1.07e4	0.0705	1.071	5.46	5.42	10.8	142.4561	80.4
16	48	13C2-PFDoA	615.0 > 569.7	6.57e3	1.07e4	0.0705	0.995	5.74	5.70	7.70	109.7599	61.9
17	49	d3-N-MeFOSA	515.2 > 168.9		1.07e4	0.0705	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	3.20e3	1.07e4	0.0705	0.551	6.20	6.17	3.75	96.4349	54.4
19	51	d5-N-ETFOSA	531.1 > 168.9		1.07e4	0.0705	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	2.33e3	1.07e4	0.0705	0.752	6.51	6.49	2.73	51.5887	72.8
21	53	d7-N-MeFOSE	623.1 > 58.9		1.07e4	0.0705	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.07e4	0.0705	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.25e3	8.25e3	0.0705	1.000	1.46	1.44	12.5	177.2044	100.0
24	56	13C5-PFHxA	318 > 272.9	8.87e3	8.87e3	0.0705	1.000	3.19	3.16	12.5	177.2044	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.47e3	2.47e3	0.0705	1.000	3.96	3.92	12.5	177.2044	100.0
26	58	13C8-PFOA	421.3 > 376	8.14e3	8.14e3	0.0705	1.000	4.33	4.29	12.5	177.2044	100.0
27	59	13C9-PFNA	472.2 > 426.9	9.43e3	9.43e3	0.0705	1.000	4.70	4.73	12.5	177.2044	100.0
28	60	13C4-PFOS	503 > 79.9	2.49e3	2.49e3	0.0705	1.000	4.84	4.81	12.5	177.2044	100.0
29	61	13C6-PFDA	519.1 > 473.7	9.67e3	9.67e3	0.0705	1.000	5.14	5.10	12.5	177.2044	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.07e4	1.07e4	0.0705	1.000	5.46	5.43	12.5	177.2044	100.0
31	63	Total PFHxS	398.9 > 79.6	5.67e-1	8.76e2	0.0705		3.85		0.00809	0.7862	
32	64	Total PFOA	413 > 368.7	6.93e1	8.16e3	0.0705		4.21		0.106	1.4405	

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-110.qld

Last Altered: Thursday, March 01, 2018 10:01:17 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:01:49 Pacific Standard Time

Name: 180224M1_110, Date: 25-Feb-2018, Time: 09:15:05, ID: 1800308-10 OF-RW54-0218 0.07054, Description: OF-RW54-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.60e3	0.0705		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.20e3	0.0705		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	4.18e3	0.0705		5.45		0.000		

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-110.qld

Last Altered: Thursday, March 01, 2018 10:01:17 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:01:49 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_110, Date: 25-Feb-2018, Time: 09:15:05, ID: 1800308-10 OF-RW54-0218 0.07054, Description: OF-RW54-0218

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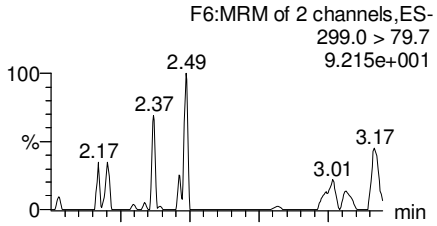

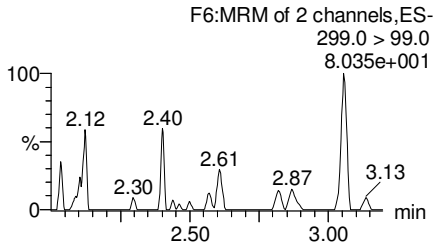

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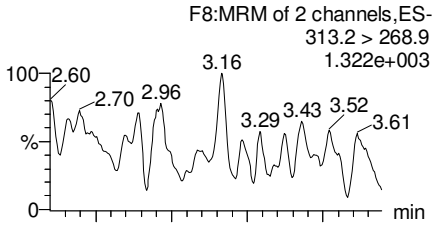

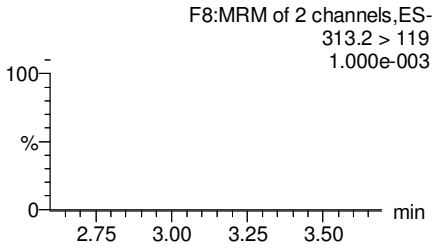

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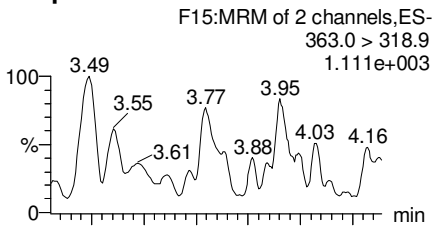

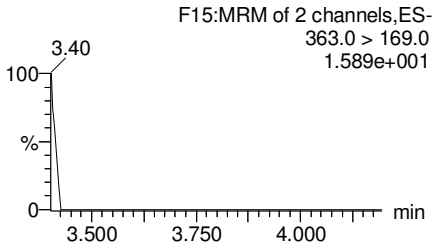

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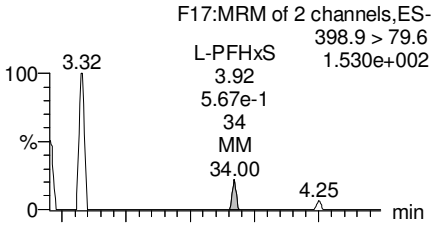

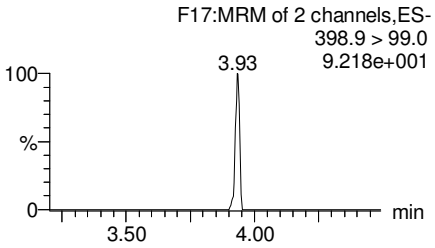

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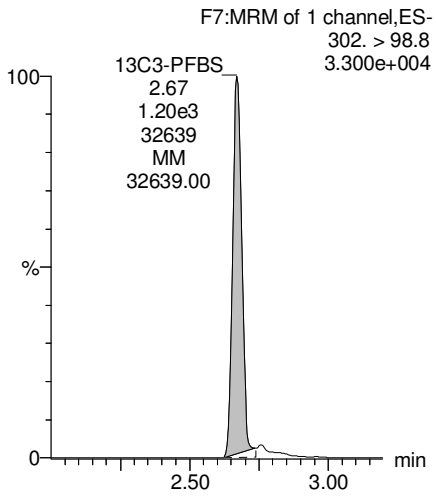

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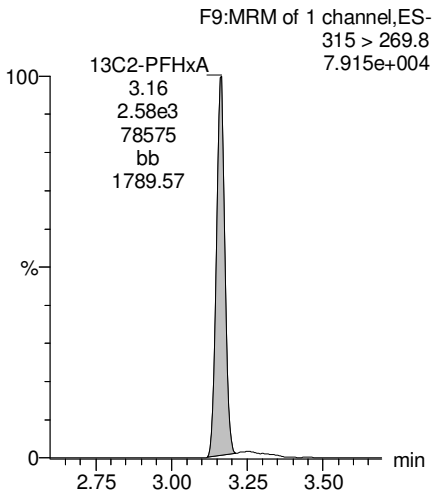

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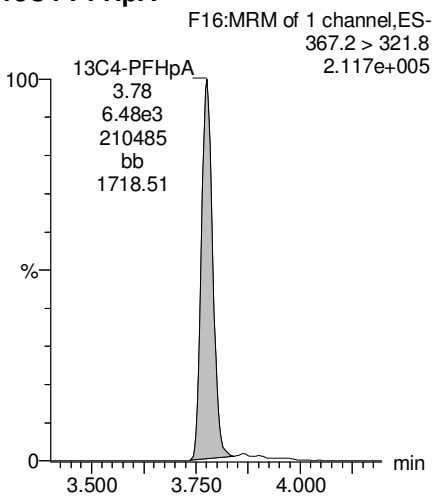

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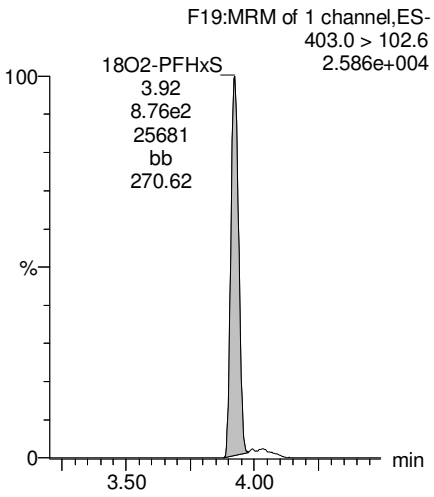
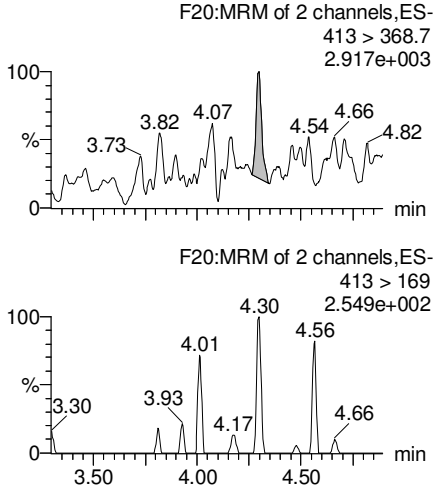


Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-110.qld

Last Altered: Thursday, March 01, 2018 10:01:17 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:01:49 Pacific Standard Time

Name: 180224M1_110, Date: 25-Feb-2018, Time: 09:15:05, ID: 1800308-10 OF-RW54-0218 0.07054, Description: OF-RW54-0218

Total PFOA



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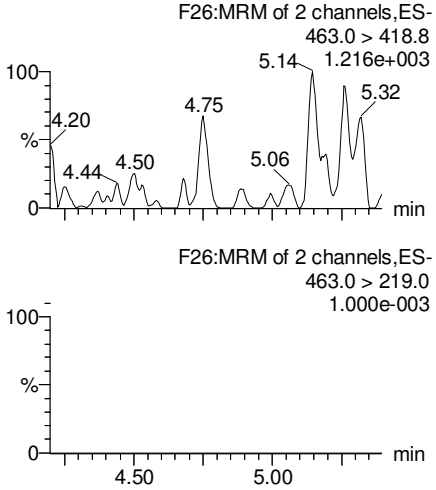

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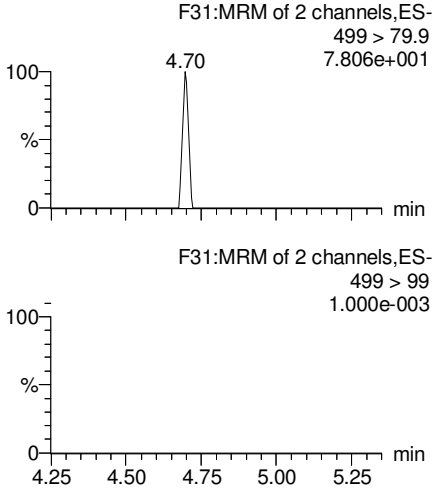

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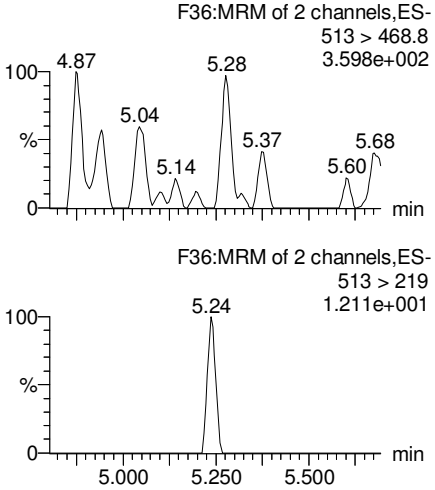

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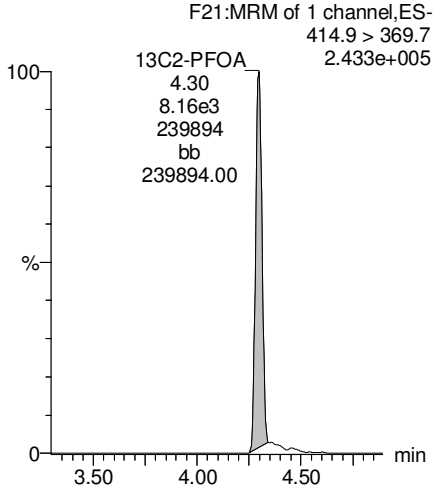

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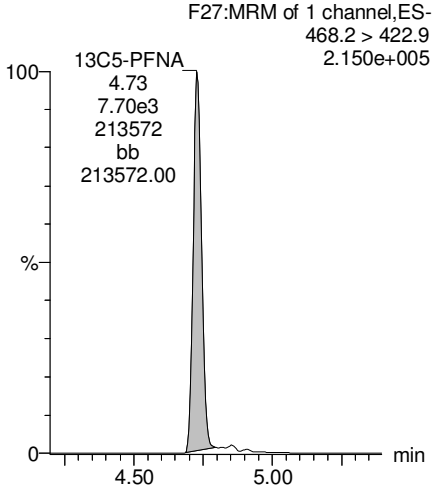

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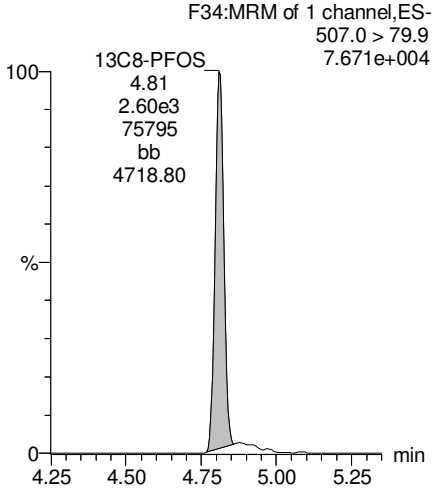

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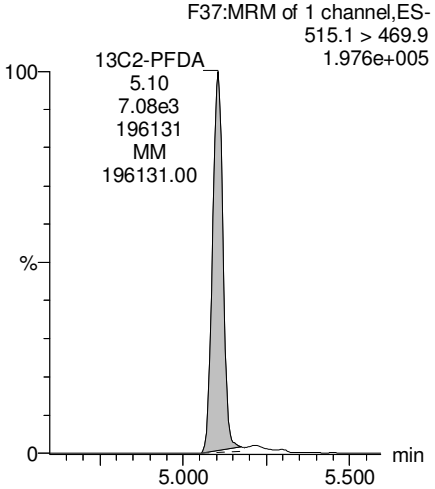

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Last Altered: Thursday, March 01, 2018 10:01:17 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:01:49 Pacific Standard Time

Name: 180224M1_110, Date: 25-Feb-2018, Time: 09:15:05, ID: 1800308-10 OF-RW54-0218 0.07054, Description: OF-RW54-0218

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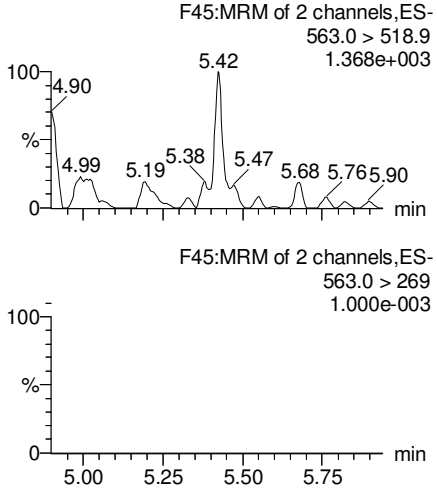

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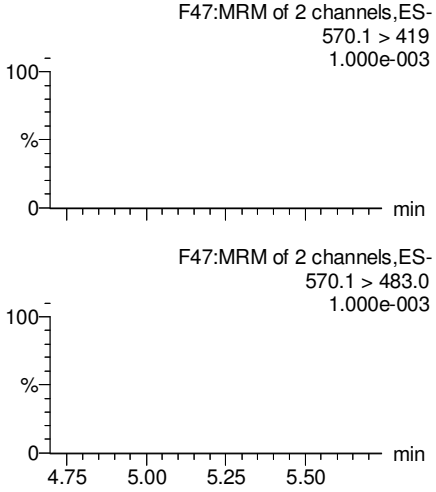

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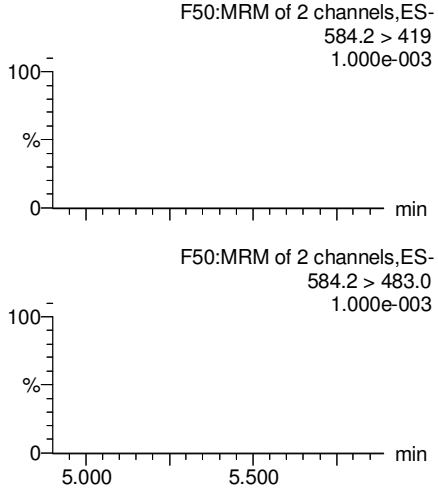

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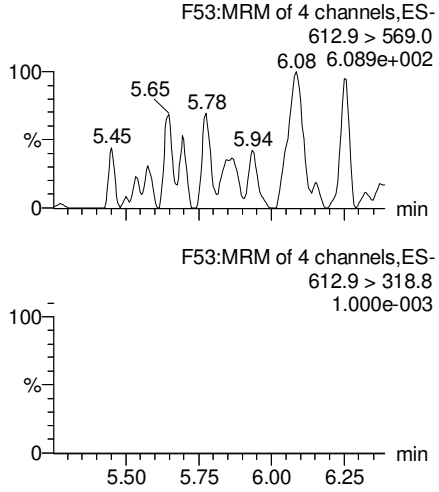

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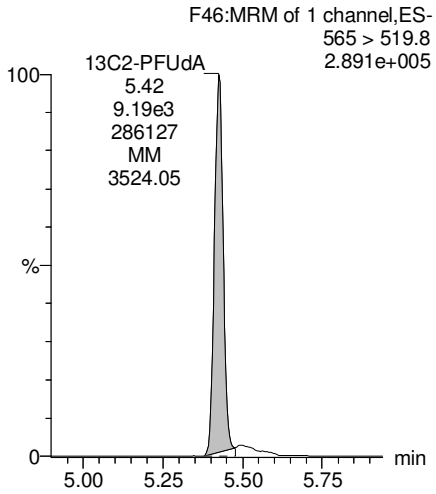

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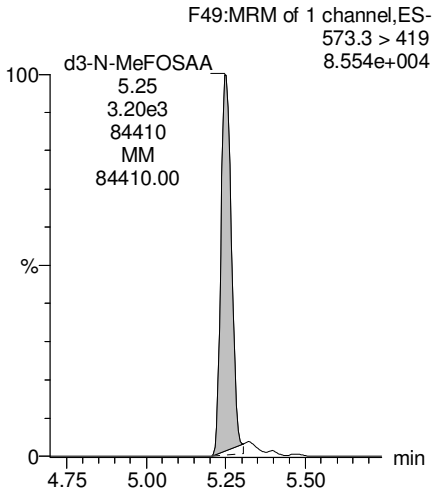

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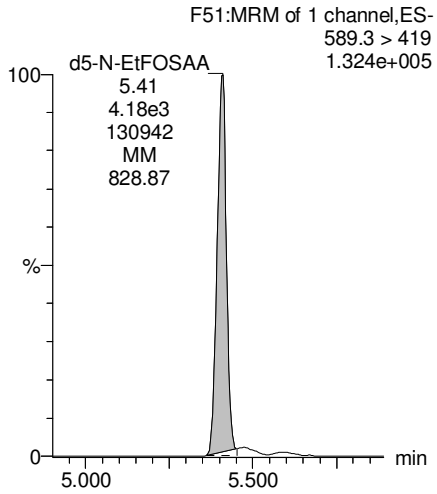

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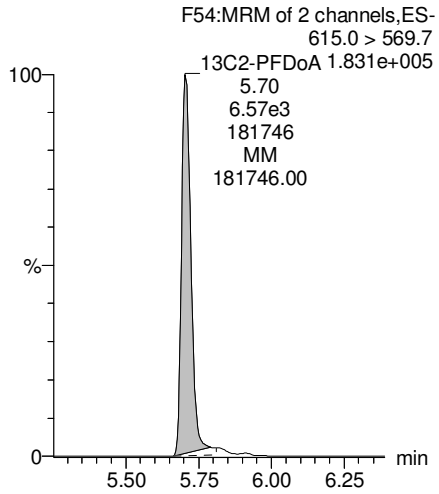

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-110.qld

Last Altered: Thursday, March 01, 2018 10:01:17 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:01:49 Pacific Standard Time

Name: 180224M1_110, Date: 25-Feb-2018, Time: 09:15:05, ID: 1800308-10 OF-RW54-0218 0.07054, Description: OF-RW54-0218

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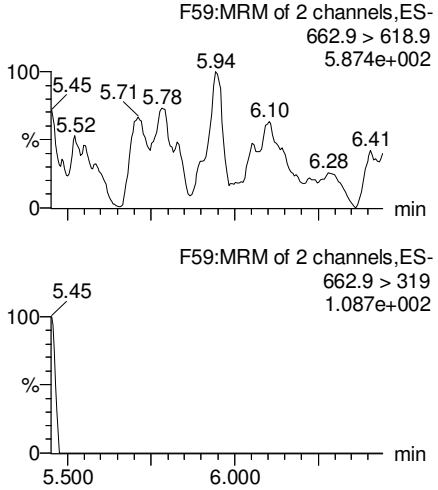

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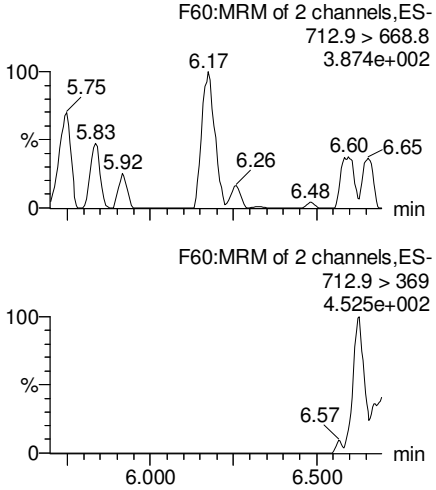

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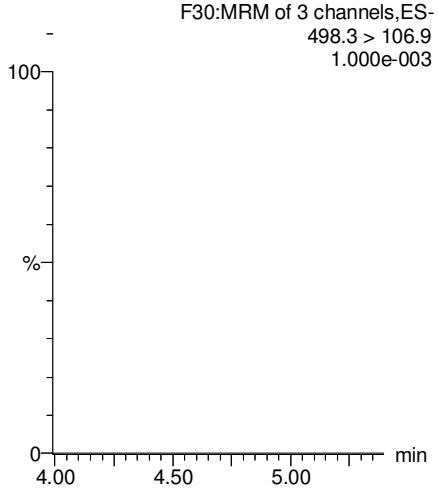

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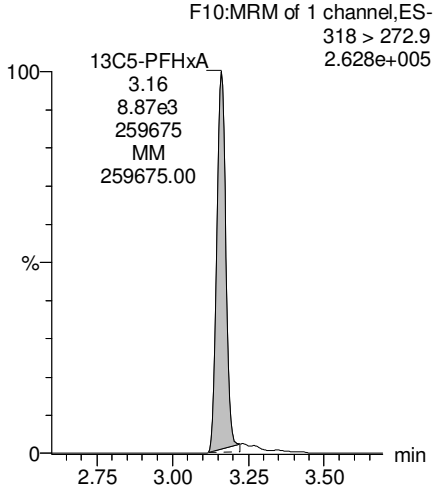

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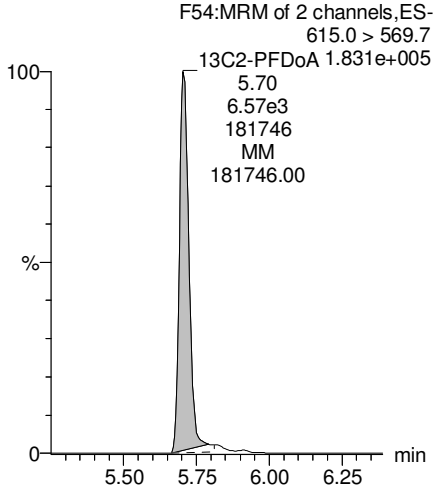

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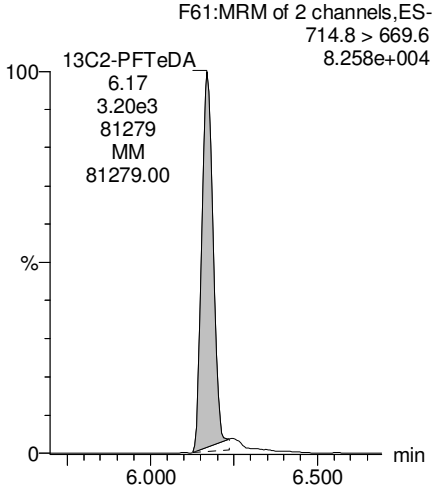

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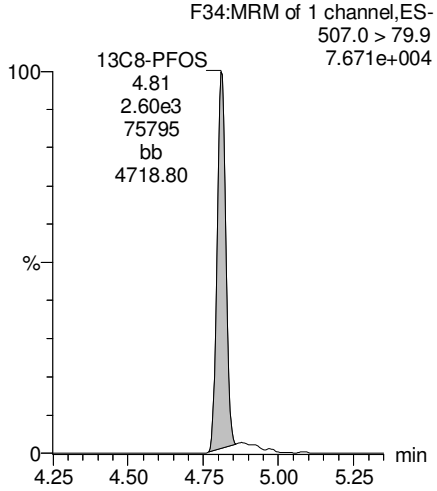
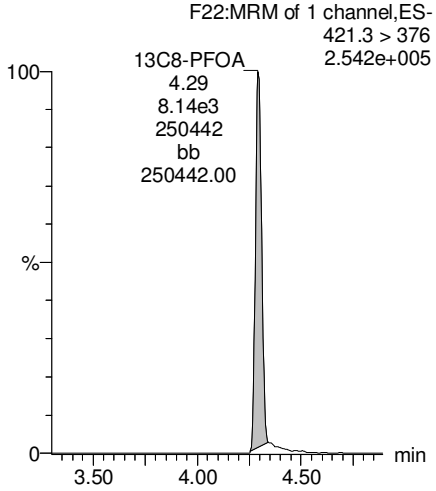


13C8-PFOA

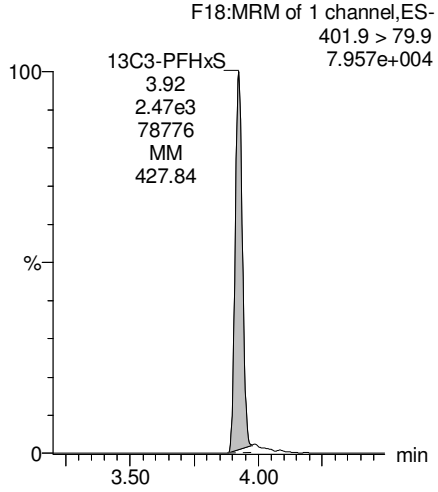


Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-110.qld

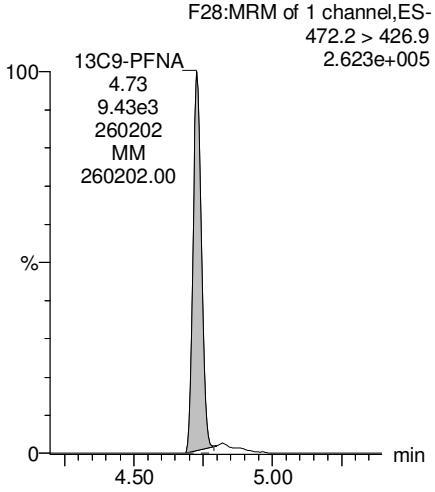
Last Altered: Thursday, March 01, 2018 10:01:17 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:01:49 Pacific Standard Time

Name: 180224M1_110, Date: 25-Feb-2018, Time: 09:15:05, ID: 1800308-10 OF-RW54-0218 0.07054, Description: OF-RW54-0218

13C3-PFHxS



13C9-PFNA



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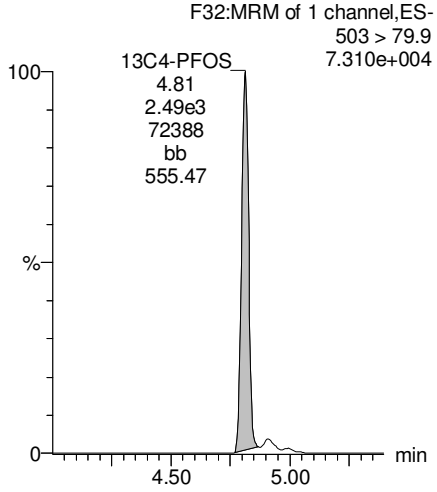

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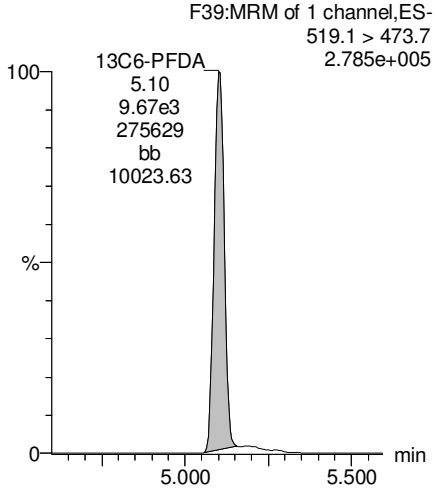
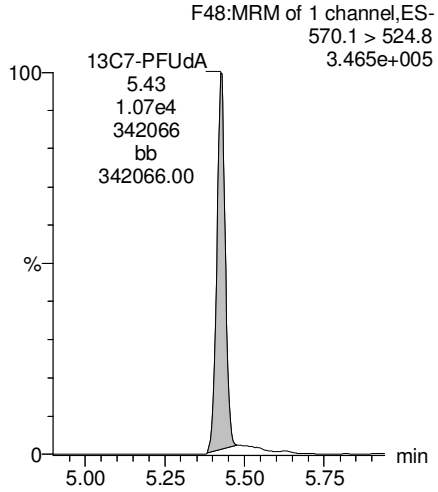


13C7-PFUdA



Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-46.qld

Last Altered: Thursday, March 01, 2018 11:37:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:38:03 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_46, Date: 28-Feb-2018, Time: 03:55:29, ID: 1800308-11 OF-FB54-0218 0.11801, Description: OF-FB54-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.53e3	0.118		2.60				
2	5	PFHxA	313.2 > 268.9		2.99e3	0.118		3.19				
3	7	PFHpA	363.0 > 318.9		6.42e3	0.118		3.81				
4	8	L-PFHxS	398.9 > 79.6	8.16e0	1.14e3	0.118		4.17	4.03	0.0894		
5	11	L-PFOA	413 > 368.7	1.36e2	1.12e4	0.118		4.40	4.41	0.152	0.0818	
6	14	PFNA	463.0 > 418.8		8.38e3	0.118		4.76				
7	16	L-PFOS	499 > 79.9		2.78e3	0.118		4.90				
8	18	PFDA	513 > 468.8		8.68e3	0.118		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.91e3	0.118		5.29				
10	22	N-EtFOSAA	584.2 > 419		4.26e3	0.118		5.45				
11	23	PFUdA	563.0 > 518.9		9.60e3	0.118		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-46.qld

Last Altered: Thursday, March 01, 2018 11:37:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:38:14 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_46, Date: 28-Feb-2018, Time: 03:55:29, ID: 1800308-11 OF-FB54-0218 0.11801, Description: OF-FB54-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	25	PFDoA	612.9 > 569.0		9.46e3	0.118		5.74					
2	27	PFTrDA	662.9 > 618.9		9.46e3	0.118		5.98					
3	28	PFTeDA	712.9 > 668.8		5.37e3	0.118		6.20					
4	36	13C3-PFBS	302. > 98.8	1.53e3	1.15e4	0.118	0.131	2.69	2.78	1.66	107.1574	101.2	
5	37	13C2-PFHxA	315 > 269.8	2.99e3	1.15e4	0.118	0.740	3.19	3.27	3.25	37.1702	87.7	
6	38	13C4-PFHpA	367.2 > 321.8	6.42e3	1.15e4	0.118	0.776	3.81	3.88	6.97	76.1159	71.9	
7	39	18O2-PFHxS	403.0 > 102.6	1.14e3	2.98e3	0.118	0.412	3.96	4.03	4.79	98.4286	92.9	
8	40	13C2-PFOA	414.9 > 369.7	1.12e4	8.40e3	0.118	1.891	4.33	4.40	16.7	74.6181	70.4	
9	41	13C5-PFNA	468.2 > 422.9	8.38e3	1.16e4	0.118	0.959	4.76	4.83	9.00	79.5215	75.1	
10	42	13C8-PFOSA	506.1 > 77.7	1.84e3	1.80e4	0.118	0.308	4.83	4.90	1.28	35.2007	33.2	
11	43	13C8-PFOS	507.0 > 79.9	2.78e3	3.08e3	0.118	1.096	4.84	4.91	11.3	87.4447	82.6	
12	44	13C2-PFDA	515.1 > 469.9	8.68e3	1.35e4	0.118	0.926	5.14	5.21	8.02	73.4308	69.3	
13	45	d3-N-MeFOSAA	573.3 > 419	3.91e3	1.80e4	0.118	0.359	5.29	5.36	2.72	64.4006	60.8	
14	46	d5-N-EtFOSAA	589.3 > 419	4.26e3	1.80e4	0.118	0.435	5.45	5.51	2.96	57.7432	54.5	
15	47	13C2-PFUdA	565 > 519.8	9.60e3	1.80e4	0.118	1.138	5.46	5.53	6.68	49.7599	47.0	H
16	48	13C2-PFDoA	615.0 > 569.7	9.46e3	1.80e4	0.118	1.059	5.74	5.82	6.59	52.7267	49.8	H
17	49	d3-N-MeFOSA	515.2 > 168.9		1.80e4	0.118	0.151	5.84					
18	50	13C2-PFTeDA	714.8 > 669.6	5.37e3	1.80e4	0.118	0.484	6.20	6.28	3.74	65.4993	61.8	
19	51	d5-N-ETFOSA	531.1 > 168.9		1.80e4	0.118	0.215	6.22					
20	52	13C2-PFHxDA	815 > 769.7	4.26e3	1.80e4	0.118	0.741	6.51	6.60	2.97	33.9037	80.0	
21	53	d7-N-MeFOSE	623.1 > 58.9		1.80e4	0.118	0.186	6.31					
22	54	d9-N-EtFOSE	639.2 > 58.8		1.80e4	0.118	0.159	6.45					
23	55	13C4-PFBA	217. > 171.8	1.03e4	1.03e4	0.118	1.000	1.46	1.54	12.5	105.9232	100.0	
24	56	13C5-PFHxA	318 > 272.9	1.15e4	1.15e4	0.118	1.000	3.19	3.27	12.5	105.9232	100.0	
25	57	13C3-PFHxS	401.9 > 79.9	2.98e3	2.98e3	0.118	1.000	3.96	4.03	12.5	105.9232	100.0	
26	58	13C8-PFOA	421.3 > 376	8.40e3	8.40e3	0.118	1.000	4.33	4.40	12.5	105.9232	100.0	
27	59	13C9-PFNA	472.2 > 426.9	1.16e4	1.16e4	0.118	1.000	4.70	4.83	12.5	105.9232	100.0	
28	60	13C4-PFOS	503 > 79.9	3.08e3	3.08e3	0.118	1.000	4.84	4.92	12.5	105.9232	100.0	
29	61	13C6-PFDA	519.1 > 473.7	1.35e4	1.35e4	0.118	1.000	5.14	5.21	12.5	105.9232	100.0	
30	62	13C7-PFUdA	570.1 > 524.8	1.80e4	1.80e4	0.118	1.000	5.46	5.53	12.5	105.9232	100.0	
31	63	Total PFHxS	398.9 > 79.6	8.16e0	1.14e3	0.118		3.85		0.000			
32	64	Total PFOA	413 > 368.7	1.36e2	1.12e4	0.118		4.21		0.152	0.0818		

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-46.qld

Last Altered: Thursday, March 01, 2018 11:37:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:38:14 Pacific Standard Time

Name: 180227M1_46, Date: 28-Feb-2018, Time: 03:55:29, ID: 1800308-11 OF-FB54-0218 0.11801, Description: OF-FB54-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.78e3	0.118		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.91e3	0.118		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	4.26e3	0.118		5.45		0.000		

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-46.qld

Last Altered: Thursday, March 01, 2018 11:37:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:38:14 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_46, Date: 28-Feb-2018, Time: 03:55:29, ID: 1800308-11 OF-FB54-0218 0.11801, Description: OF-FB54-0218

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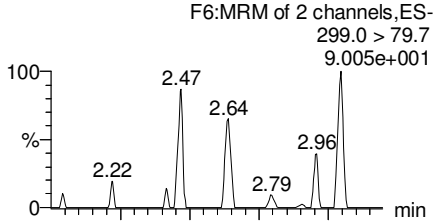

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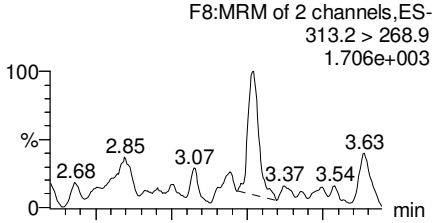

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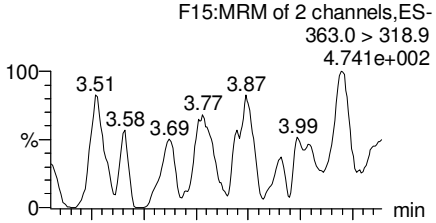

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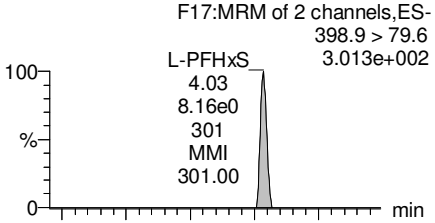

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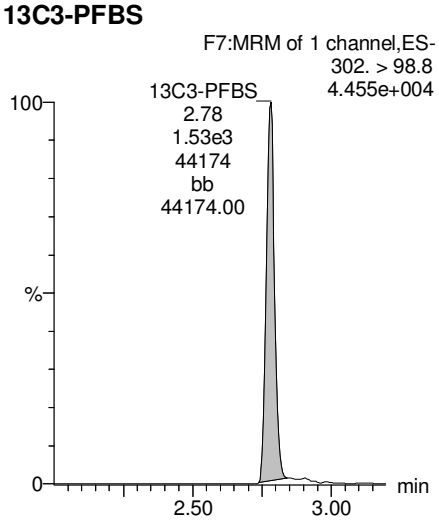

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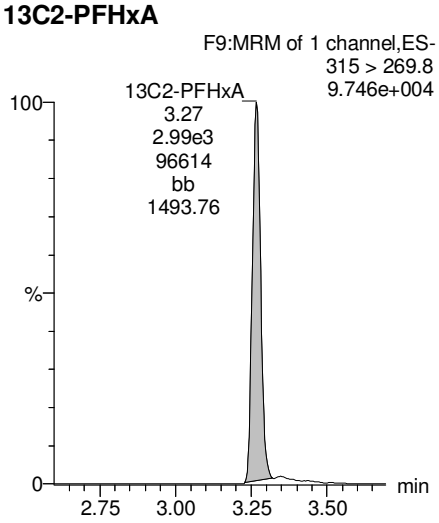

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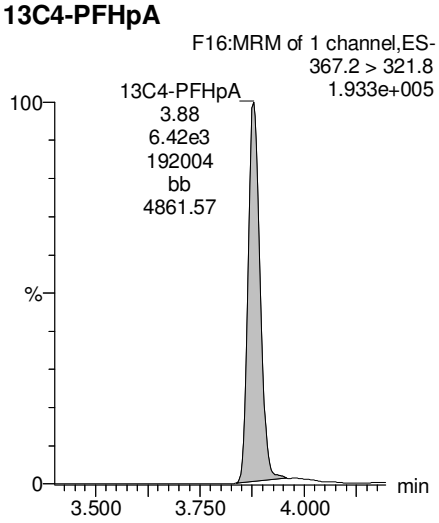

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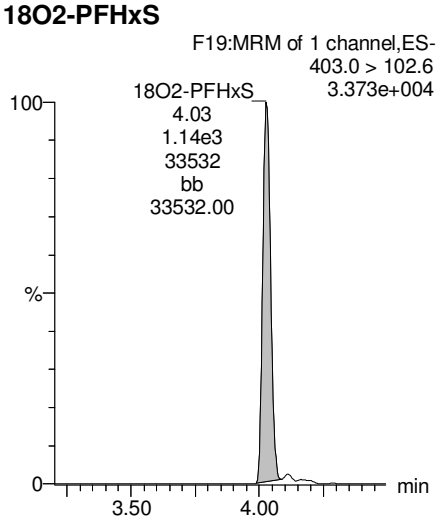


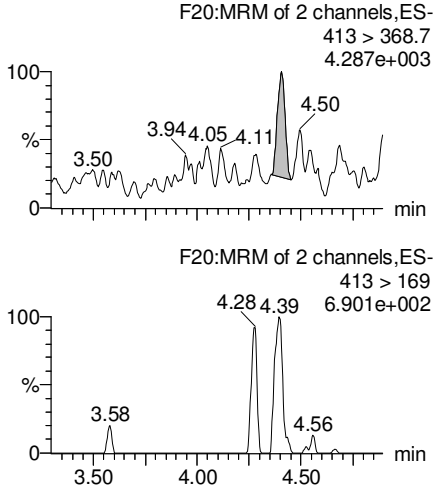
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-46.qld

Last Altered: Thursday, March 01, 2018 11:37:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:38:14 Pacific Standard Time

Name: 180227M1_46, Date: 28-Feb-2018, Time: 03:55:29, ID: 1800308-11 OF-FB54-0218 0.11801, Description: OF-FB54-0218

Total PFOA



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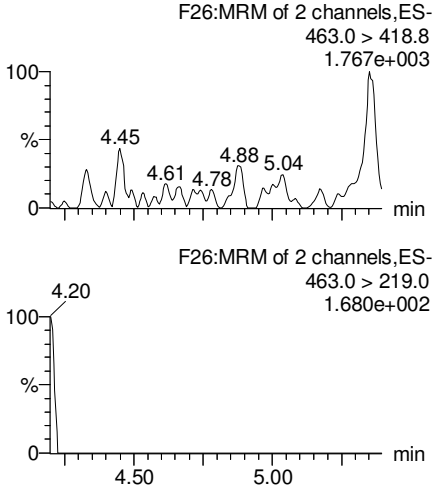

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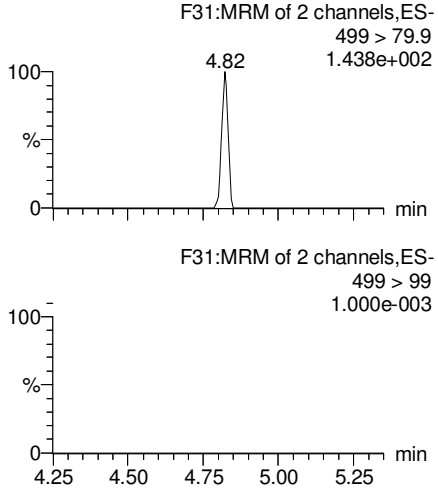

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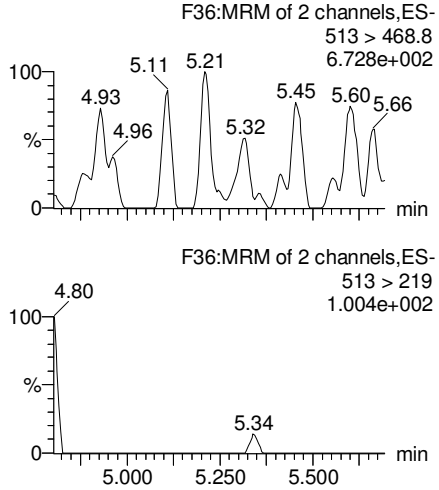

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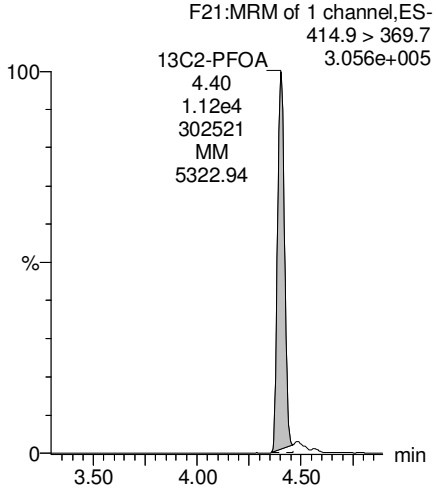

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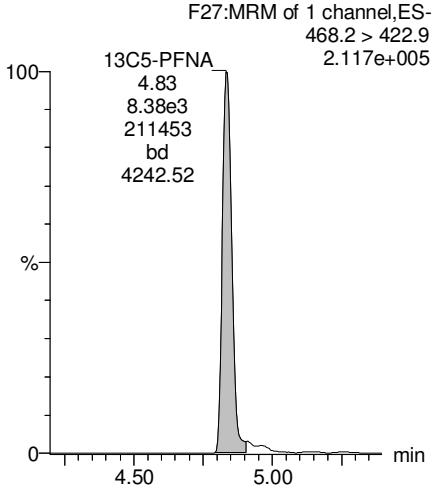

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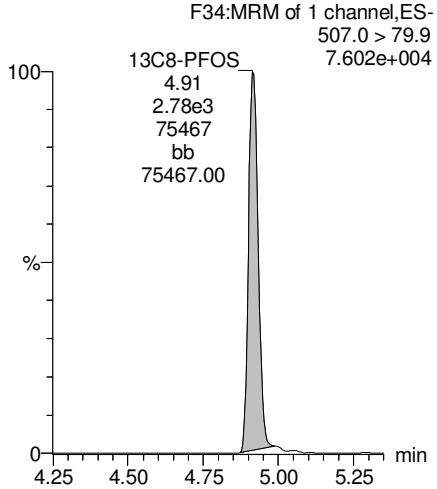

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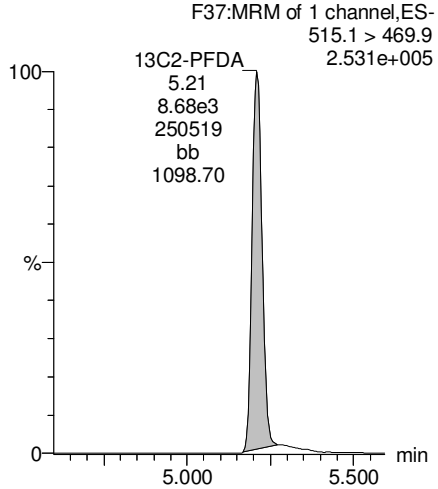


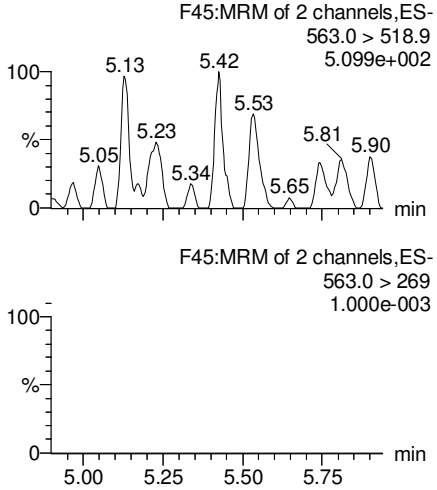
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-46.qld

Last Altered: Thursday, March 01, 2018 11:37:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:38:14 Pacific Standard Time

Name: 180227M1_46, Date: 28-Feb-2018, Time: 03:55:29, ID: 1800308-11 OF-FB54-0218 0.11801, Description: OF-FB54-0218

PFUdA



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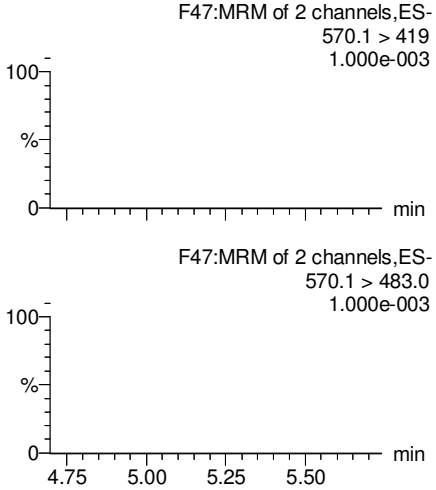

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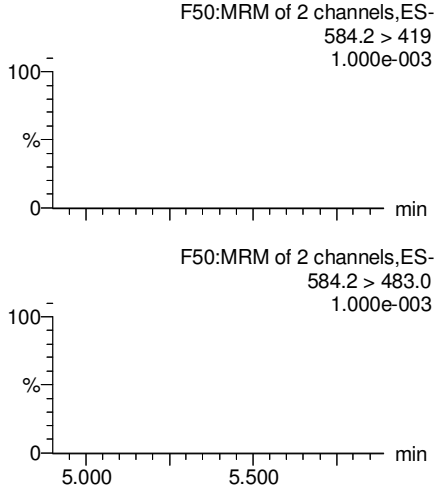

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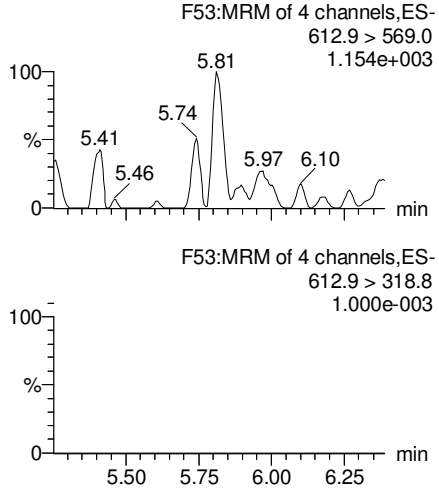

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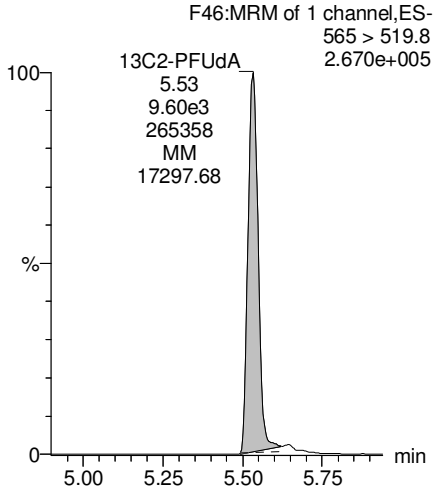

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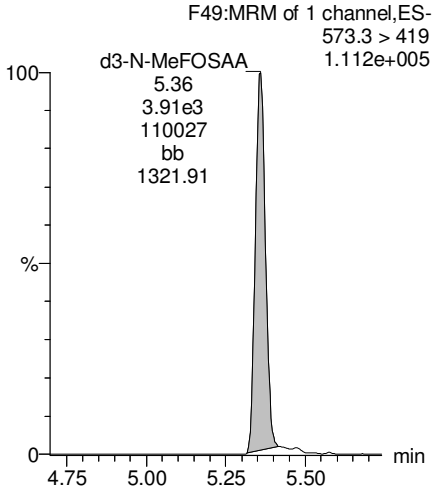

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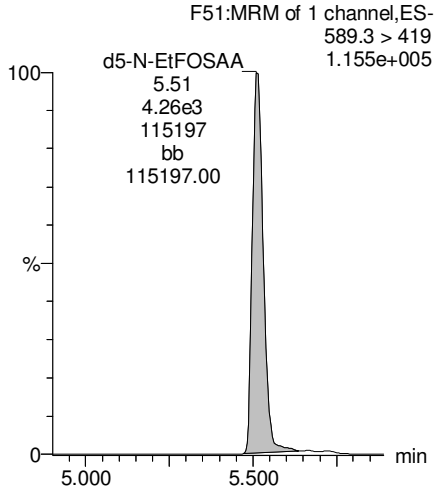
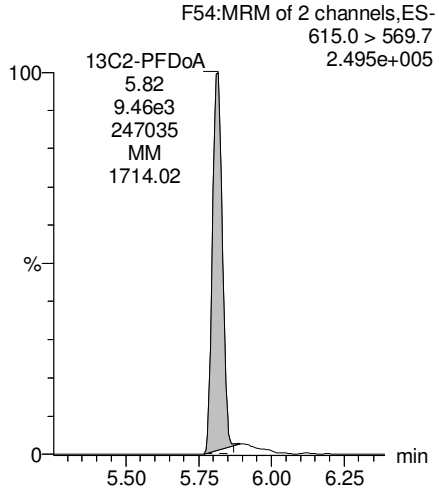


13C2-PFDoA



GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-46.qld

Last Altered: Thursday, March 01, 2018 11:37:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:38:14 Pacific Standard Time

Name: 180227M1_46, Date: 28-Feb-2018, Time: 03:55:29, ID: 1800308-11 OF-FB54-0218 0.11801, Description: OF-FB54-0218

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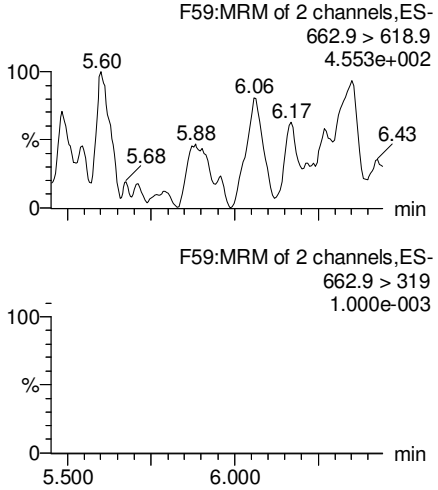

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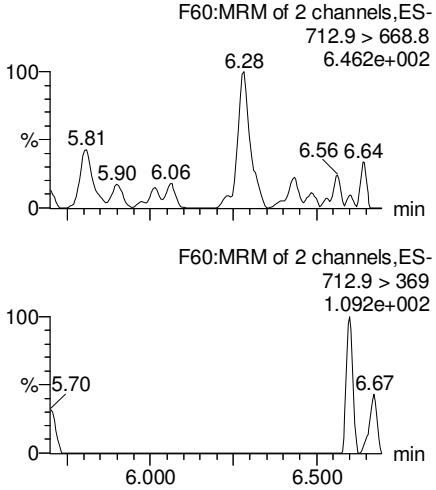

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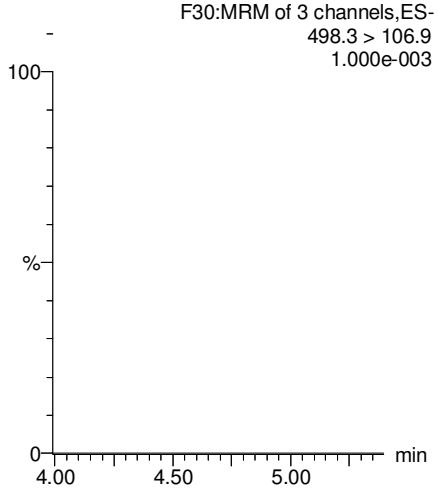
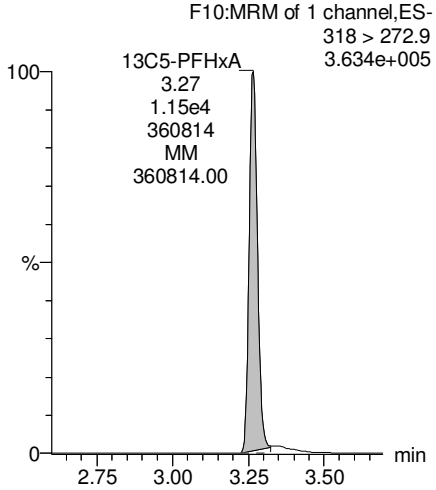


13C5-PFHxA



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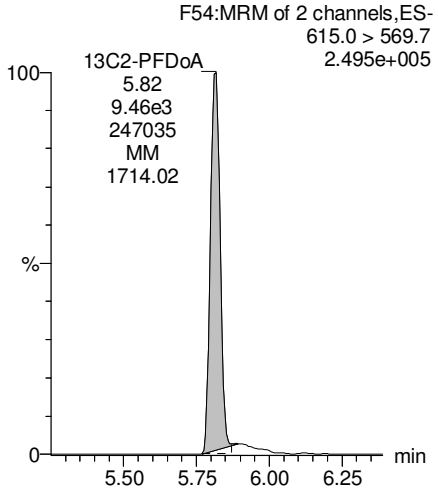
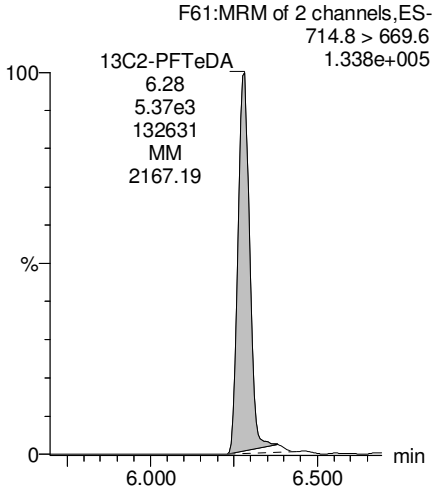
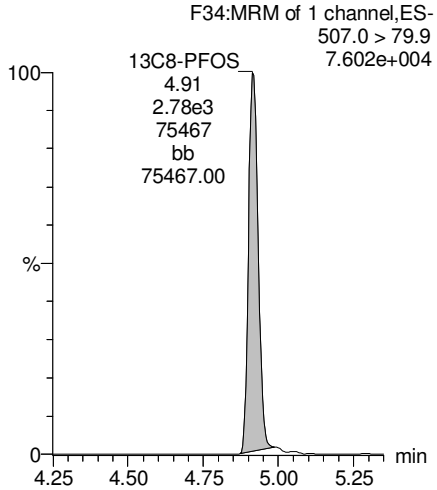


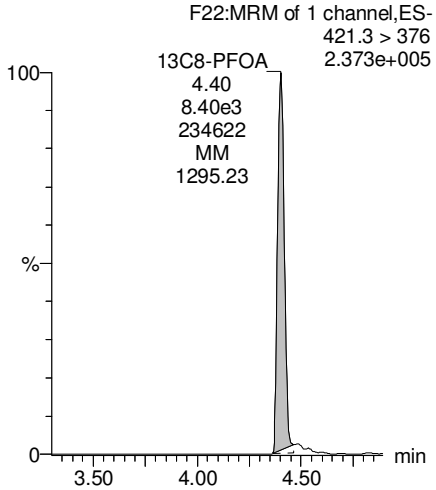
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



GM 3/1/2018

Vista Analytical Laboratory

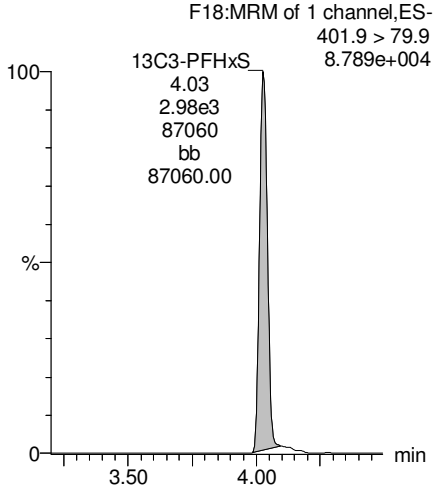
Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-46.qld

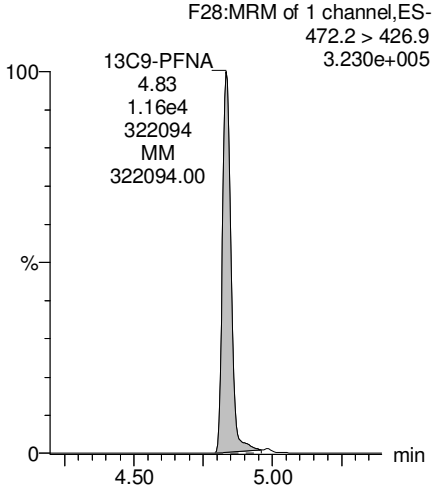
Last Altered: Thursday, March 01, 2018 11:37:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:38:14 Pacific Standard Time

Name: 180227M1_46, Date: 28-Feb-2018, Time: 03:55:29, ID: 1800308-11 OF-FB54-0218 0.11801, Description: OF-FB54-0218

13C3-PFHxS



13C9-PFNA



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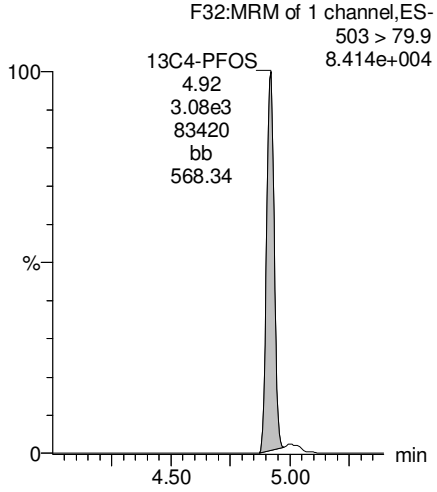

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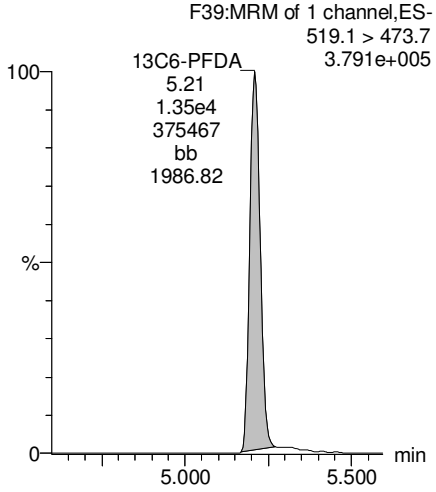
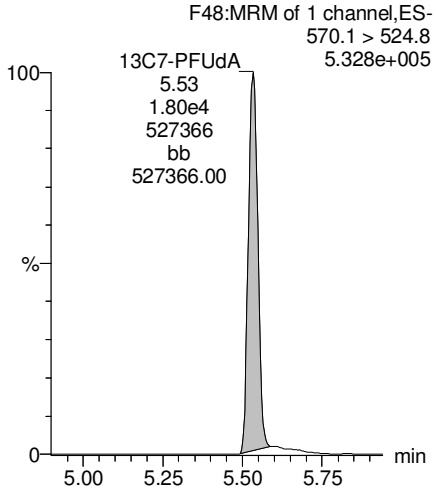


13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-112.qld

Last Altered: Thursday, March 01, 2018 10:54:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:54:35 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_112, Date: 25-Feb-2018, Time: 09:38:01, ID: 1800308-12 OF-RW69-0218 0.11701, Description: OF-RW69-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.27e3	0.117		2.60				
2	5	PFHxA	313.2 > 268.9		2.63e3	0.117		3.19				
3	7	PFHpA	363.0 > 318.9		5.68e3	0.117		3.81				
4	8	L-PFHxS	398.9 > 79.6		1.00e3	0.117		4.17				
5	11	L-PFOA	413 > 368.7	1.05e2	8.53e3	0.117		4.40	4.31	0.154	1.2848	
6	14	PFNA	463.0 > 418.8		7.52e3	0.117		4.76				
7	16	L-PFOS	499 > 79.9		2.30e3	0.117		4.95				
8	18	PFDA	513 > 468.8		8.96e3	0.117		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.32e3	0.117		5.29				
10	22	N-EtFOSAA	584.2 > 419		4.25e3	0.117		5.45				
11	23	PFUdA	563.0 > 518.9		8.99e3	0.117		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-112.qld

Last Altered: Thursday, March 01, 2018 10:54:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:54:43 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_112, Date: 25-Feb-2018, Time: 09:38:01, ID: 1800308-12 OF-RW69-0218 0.11701, Description: OF-RW69-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	25	PFDoA	612.9 > 569.0		6.51e3	0.117		5.74					
2	27	PFTrDA	662.9 > 618.9		6.51e3	0.117		5.98					
3	28	PFTeDA	712.9 > 668.8		2.99e3	0.117		6.20					
4	36	13C3-PFBS	302. > 98.8	1.27e3	9.33e3	0.117	0.116	2.69	2.67	1.70	125.0623	117.1	
5	37	13C2-PFHxA	315 > 269.8	2.63e3	9.33e3	0.117	0.732	3.19	3.16	3.52	41.0997	96.2	
6	38	13C4-PFHpA	367.2 > 321.8	5.68e3	9.33e3	0.117	0.717	3.81	3.78	7.61	90.7433	84.9	
7	39	18O2-PFHxS	403.0 > 102.6	1.00e3	2.52e3	0.117	0.368	3.96	3.92	4.96	115.2504	107.9	
8	40	13C2-PFOA	414.9 > 369.7	8.53e3	8.50e3	0.117	1.311	4.33	4.29	12.5	81.6986	76.5	
9	41	13C5-PFNA	468.2 > 422.9	7.52e3	9.68e3	0.117	0.974	4.76	4.72	9.71	85.1972	79.8	
10	42	13C8-PFOSA	506.1 > 77.7	1.89e3	1.13e4	0.117	0.187	4.83	4.79	2.08	94.9093	88.8	
11	43	13C8-PFOS	507.0 > 79.9	2.30e3	2.60e3	0.117	1.075	4.84	4.81	11.0	87.7459	82.1	
12	44	13C2-PFDA	515.1 > 469.9	8.96e3	8.73e3	0.117	1.019	5.14	5.10	12.8	107.6538	100.8	
13	45	d3-N-MeFOSAA	573.3 > 419	3.32e3	1.13e4	0.117	0.325	5.29	5.25	3.66	96.2013	90.1	
14	46	d5-N-EtFOSAA	589.3 > 419	4.25e3	1.13e4	0.117	0.345	5.45	5.41	4.69	116.1189	108.7	
15	47	13C2-PFUdA	565 > 519.8	8.99e3	1.13e4	0.117	1.071	5.46	5.42	9.92	79.1295	74.1	
16	48	13C2-PFDoA	615.0 > 569.7	6.51e3	1.13e4	0.117	0.995	5.74	5.70	7.18	61.6711	57.7	
17	49	d3-N-MeFOSA	515.2 > 168.9		1.13e4	0.117	0.090	5.84					
18	50	13C2-PFTeDA	714.8 > 669.6	2.99e3	1.13e4	0.117	0.551	6.20	6.17	3.30	51.1353	47.9	H
19	51	d5-N-ETFOSA	531.1 > 168.9		1.13e4	0.117	0.127	6.22					
20	52	13C2-PFHxDA	815 > 769.7	2.32e3	1.13e4	0.117	0.752	6.51	6.49	2.56	29.1053	68.1	
21	53	d7-N-MeFOSE	623.1 > 58.9		1.13e4	0.117	0.098	6.31					
22	54	d9-N-EtFOSE	639.2 > 58.8		1.13e4	0.117	0.086	6.45					
23	55	13C4-PFBA	217. > 171.8	8.57e3	8.57e3	0.117	1.000	1.46	1.44	12.5	106.8285	100.0	
24	56	13C5-PFHxA	318 > 272.9	9.33e3	9.33e3	0.117	1.000	3.19	3.16	12.5	106.8285	100.0	
25	57	13C3-PFHxS	401.9 > 79.9	2.52e3	2.52e3	0.117	1.000	3.96	3.92	12.5	106.8285	100.0	
26	58	13C8-PFOA	421.3 > 376	8.50e3	8.50e3	0.117	1.000	4.33	4.29	12.5	106.8285	100.0	
27	59	13C9-PFNA	472.2 > 426.9	9.68e3	9.68e3	0.117	1.000	4.70	4.73	12.5	106.8285	100.0	
28	60	13C4-PFOS	503 > 79.9	2.60e3	2.60e3	0.117	1.000	4.84	4.81	12.5	106.8285	100.0	
29	61	13C6-PFDA	519.1 > 473.7	8.73e3	8.73e3	0.117	1.000	5.14	5.10	12.5	106.8285	100.0	
30	62	13C7-PFUdA	570.1 > 524.8	1.13e4	1.13e4	0.117	1.000	5.46	5.43	12.5	106.8285	100.0	
31	63	Total PFHxS	398.9 > 79.6	0.00e0	1.00e3	0.117		3.85		0.000			
32	64	Total PFOA	413 > 368.7	1.05e2	8.53e3	0.117		4.21		0.154	1.2848		

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-112.qld

Last Altered: Thursday, March 01, 2018 10:54:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:54:43 Pacific Standard Time

Name: 180224M1_112, Date: 25-Feb-2018, Time: 09:38:01, ID: 1800308-12 OF-RW69-0218 0.11701, Description: OF-RW69-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.30e3	0.117		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.32e3	0.117		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	4.25e3	0.117		5.45		0.000		

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-112.qld

Last Altered: Thursday, March 01, 2018 10:54:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:54:43 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_112, Date: 25-Feb-2018, Time: 09:38:01, ID: 1800308-12 OF-RW69-0218 0.11701, Description: OF-RW69-0218

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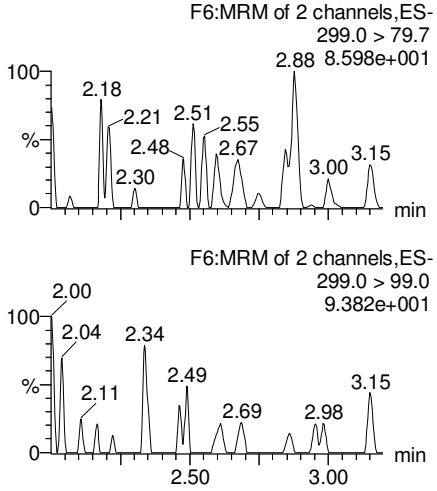

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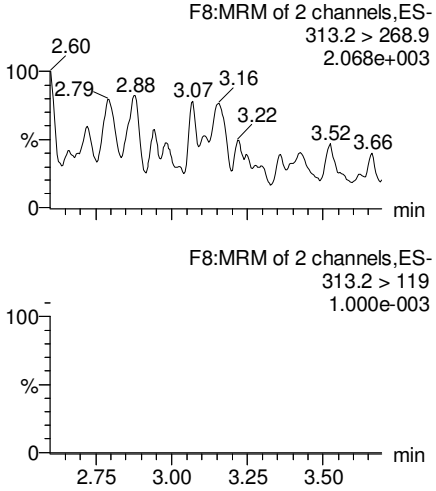

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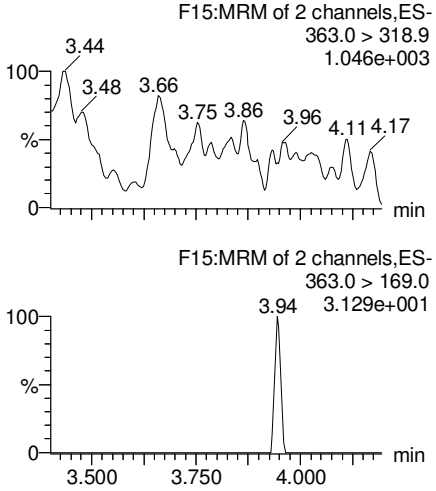
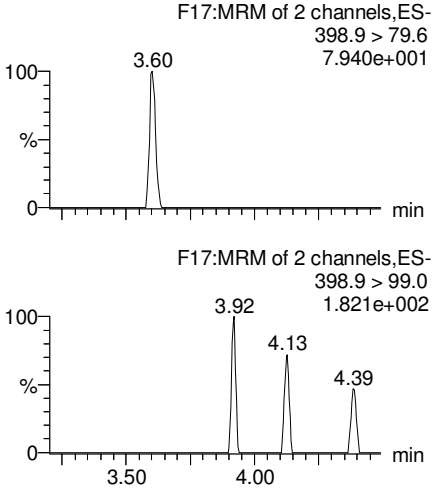


Total PFHxS



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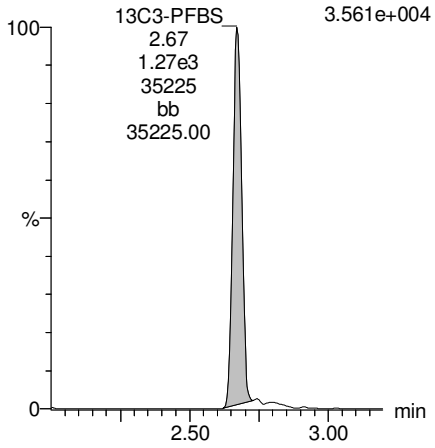

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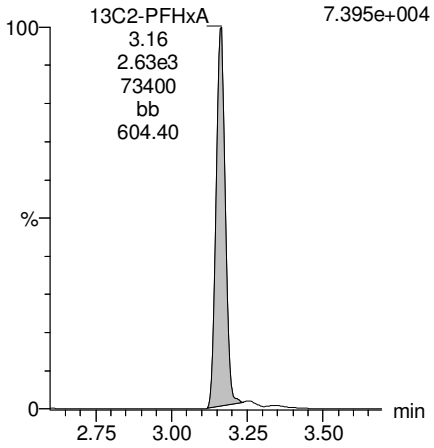

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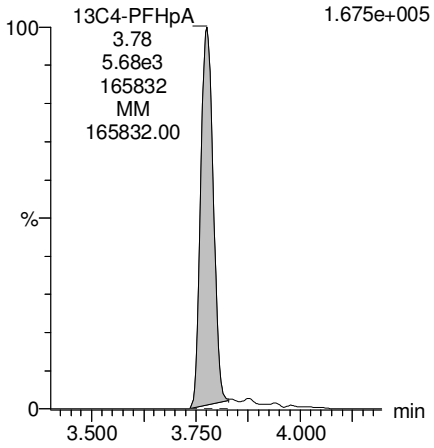

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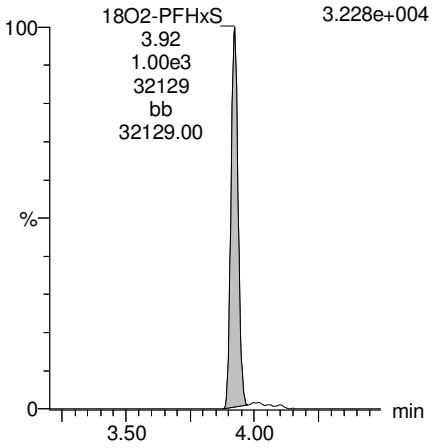


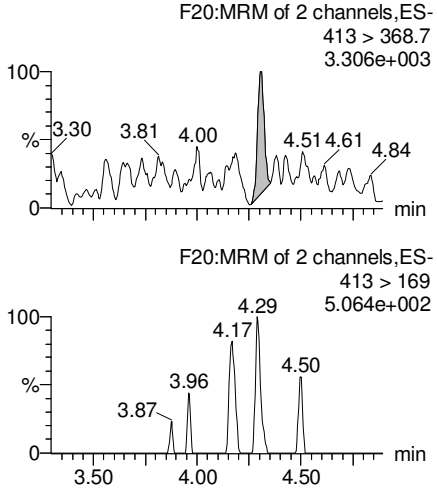
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-112.qld

Last Altered: Thursday, March 01, 2018 10:54:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:54:43 Pacific Standard Time

Name: 180224M1_112, Date: 25-Feb-2018, Time: 09:38:01, ID: 1800308-12 OF-RW69-0218 0.11701, Description: OF-RW69-0218

Total PFOA



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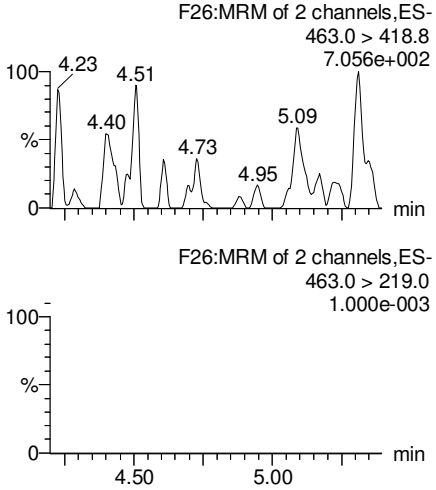

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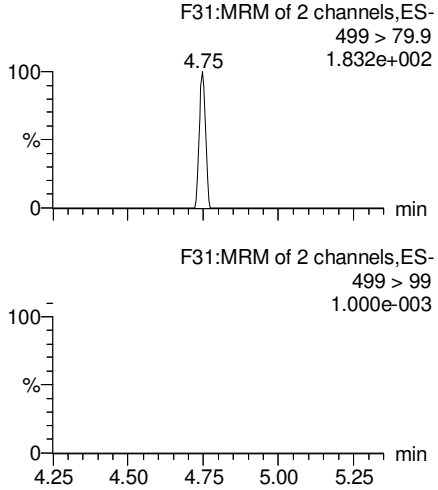

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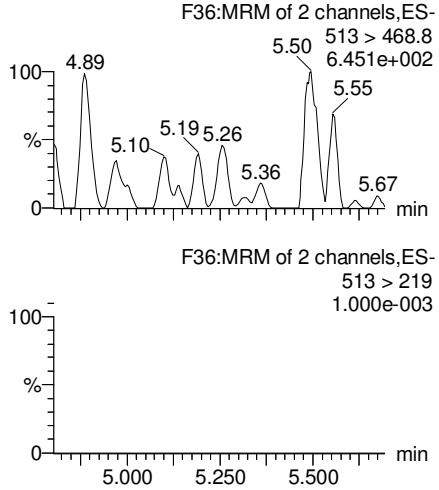
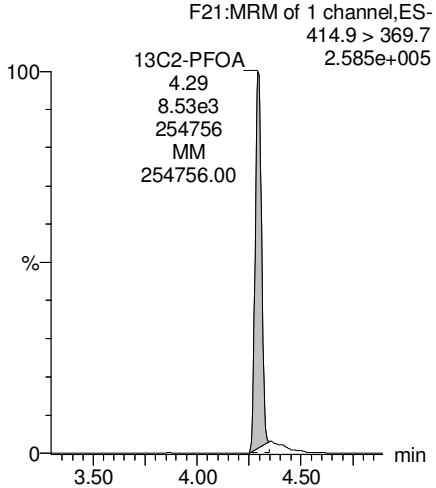


13C2-PFOA



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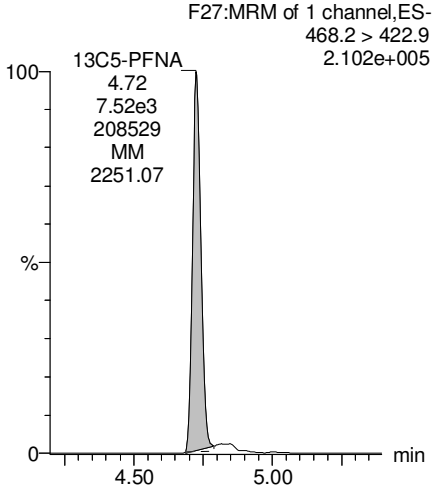

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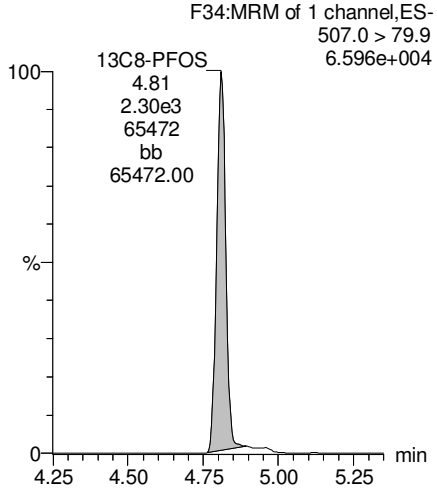
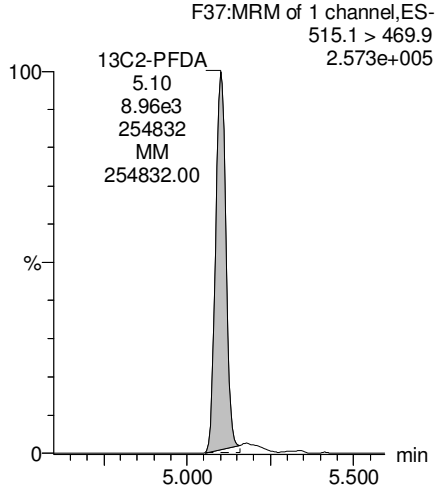


13C2-PFDA



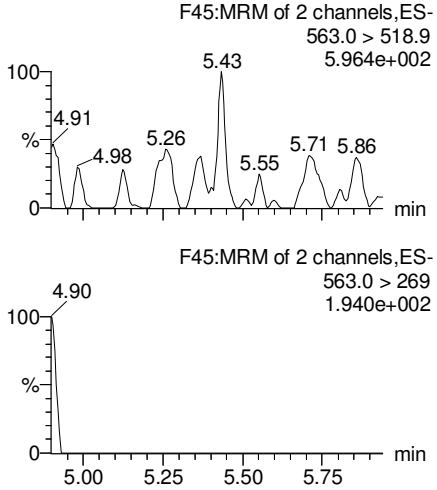
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-112.qld

Last Altered: Thursday, March 01, 2018 10:54:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:54:43 Pacific Standard Time

Name: 180224M1_112, Date: 25-Feb-2018, Time: 09:38:01, ID: 1800308-12 OF-RW69-0218 0.11701, Description: OF-RW69-0218

PFUdA



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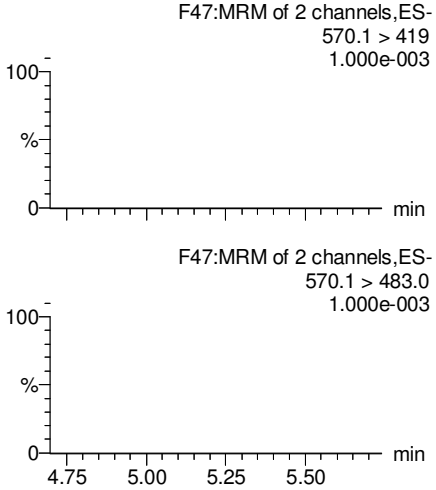

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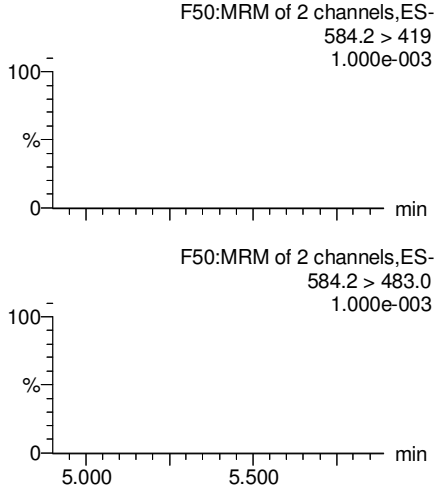

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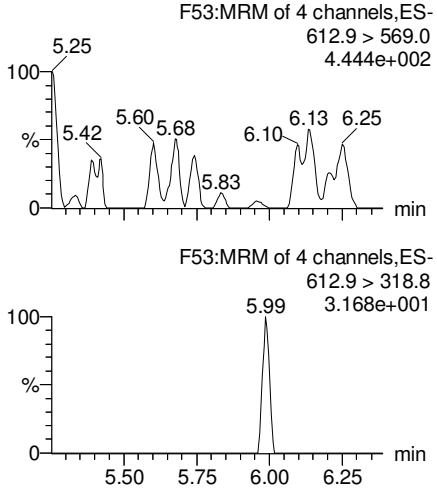

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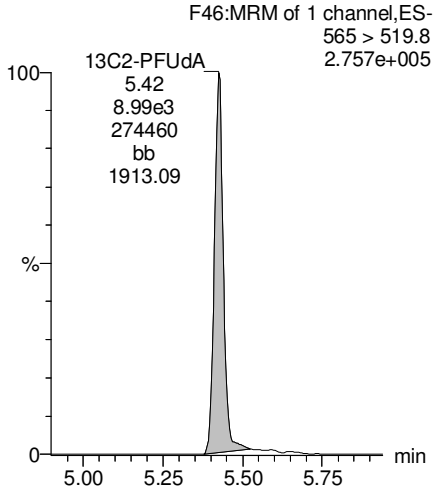

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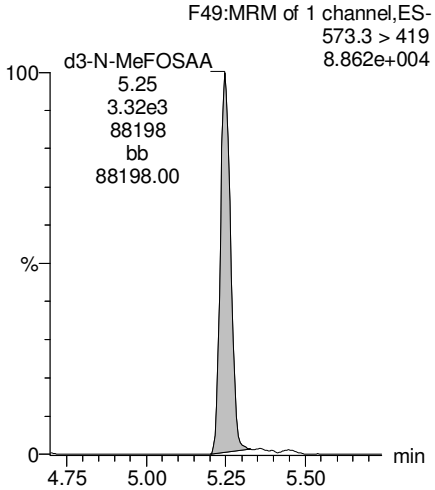

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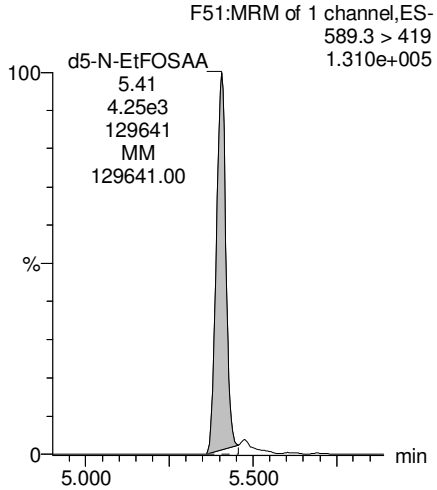
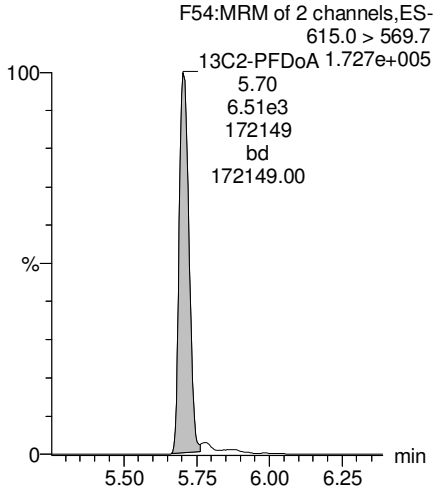


13C2-PFDoA



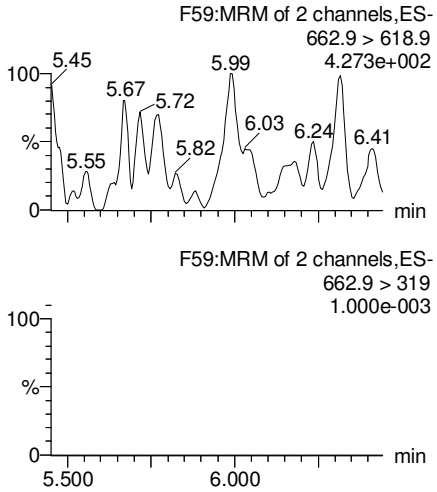
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-112.qld

Last Altered: Thursday, March 01, 2018 10:54:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:54:43 Pacific Standard Time

Name: 180224M1_112, Date: 25-Feb-2018, Time: 09:38:01, ID: 1800308-12 OF-RW69-0218 0.11701, Description: OF-RW69-0218

PFTrDA



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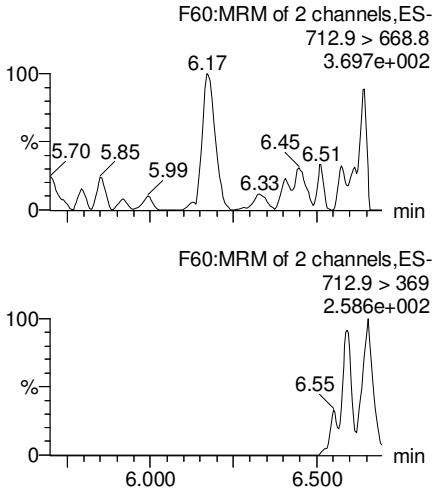
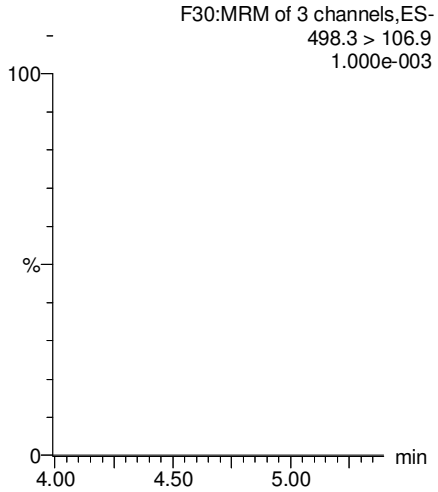
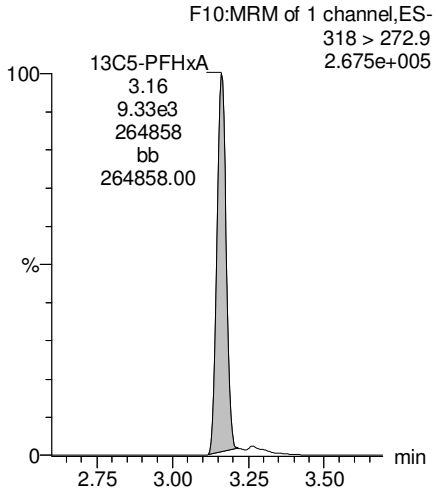


TCDA



13C5-PFHxA



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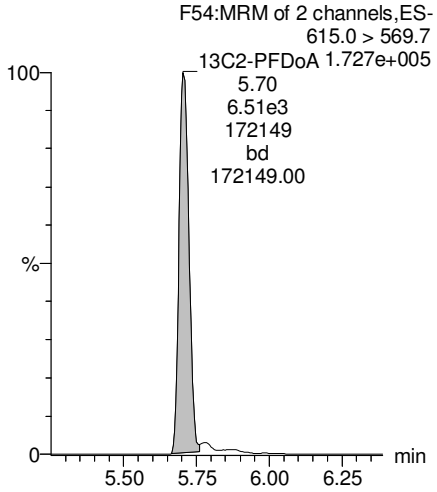

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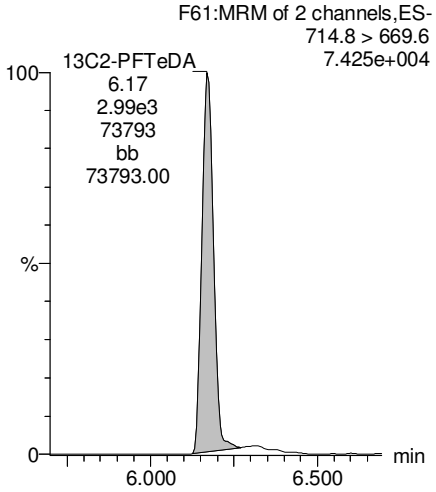
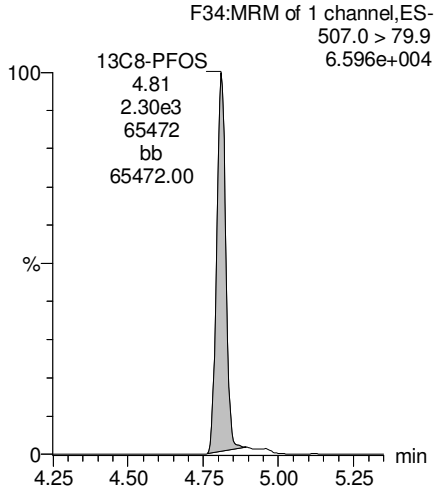


13C8-PFOS



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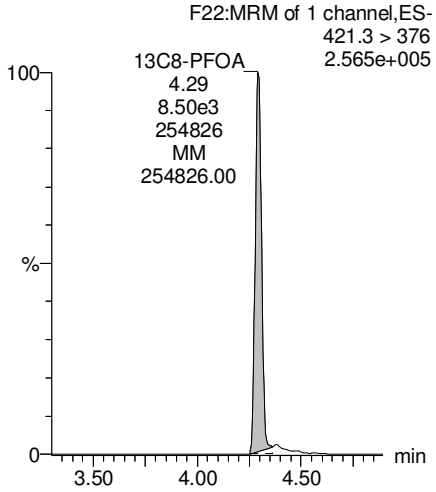


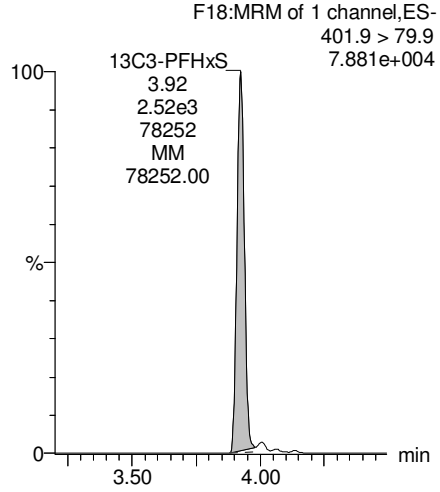
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-112.qld

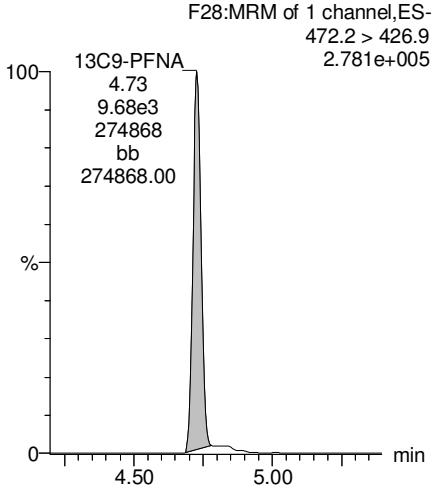
Last Altered: Thursday, March 01, 2018 10:54:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:54:43 Pacific Standard Time

Name: 180224M1_112, Date: 25-Feb-2018, Time: 09:38:01, ID: 1800308-12 OF-RW69-0218 0.11701, Description: OF-RW69-0218

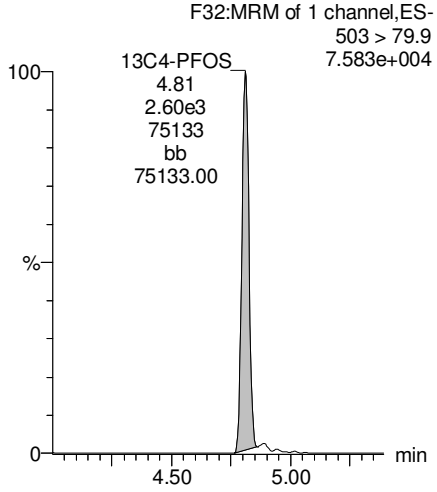
13C3-PFHxS



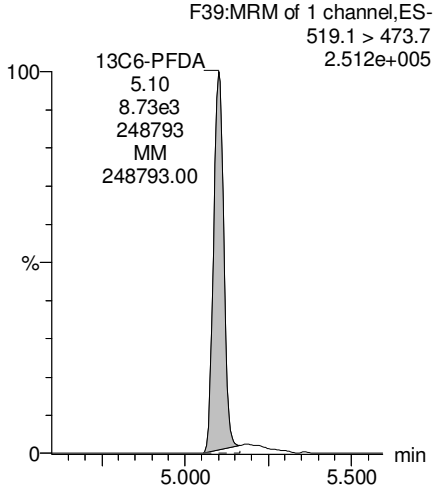
13C9-PFNA



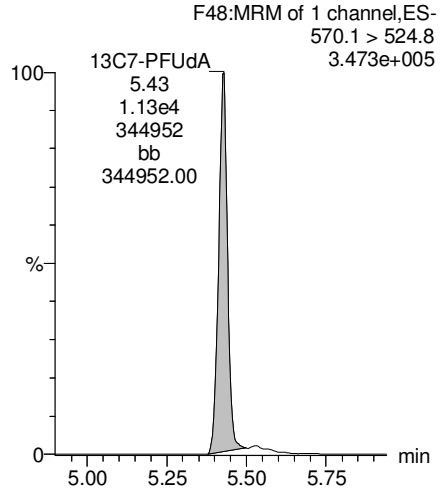
13C4-PFOS



13C6-PFDA



13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-113.qld

Last Altered: Thursday, March 01, 2018 10:57:02 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:57:26 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_113, Date: 25-Feb-2018, Time: 09:49:31, ID: 1800308-13 OF-FB69-0218 0.1193, Description: OF-FB69-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.33e3	0.119		2.60				
2	5	PFHxA	313.2 > 268.9		2.65e3	0.119		3.19				
3	7	PFHpA	363.0 > 318.9		6.19e3	0.119		3.81				
4	8	L-PFHxS	398.9 > 79.6		9.46e2	0.119		4.17				
5	11	L-PFOA	413 > 368.7	1.45e2	8.92e3	0.119		4.40	4.30	0.203	1.6683	
6	14	PFNA	463.0 > 418.8		7.80e3	0.119		4.76				
7	16	L-PFOS	499 > 79.9		2.71e3	0.119		4.95				
8	18	PFDA	513 > 468.8		8.60e3	0.119		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.03e3	0.119		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.81e3	0.119		5.45				
11	23	PFUdA	563.0 > 518.9		8.55e3	0.119		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-113.qld

Last Altered: Thursday, March 01, 2018 10:57:02 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:57:33 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_113, Date: 25-Feb-2018, Time: 09:49:31, ID: 1800308-13 OF-FB69-0218 0.1193, Description: OF-FB69-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		7.35e3	0.119		5.74				
2	27	PFTrDA	662.9 > 618.9		7.35e3	0.119		5.98				
3	28	PFTeDA	712.9 > 668.8		3.85e3	0.119		6.20				
4	36	13C3-PFBS	302. > 98.8	1.33e3	1.03e4	0.119	0.116	2.69	2.67	1.61	116.0730	110.8
5	37	13C2-PFHxA	315 > 269.8	2.65e3	1.03e4	0.119	0.732	3.19	3.16	3.20	36.6521	87.5
6	38	13C4-PFHpA	367.2 > 321.8	6.19e3	1.03e4	0.119	0.717	3.81	3.77	7.48	87.5092	83.5
7	39	18O2-PFHxS	403.0 > 102.6	9.46e2	2.83e3	0.119	0.368	3.96	3.92	4.18	95.3529	91.0
8	40	13C2-PFOA	414.9 > 369.7	8.92e3	8.21e3	0.119	1.311	4.33	4.29	13.6	86.8220	82.9
9	41	13C5-PFNA	468.2 > 422.9	7.80e3	1.01e4	0.119	0.974	4.76	4.73	9.62	82.7242	79.0
10	42	13C8-PFOSA	506.1 > 77.7	1.78e3	1.05e4	0.119	0.187	4.83	4.79	2.13	95.3217	91.0
11	43	13C8-PFOS	507.0 > 79.9	2.71e3	3.15e3	0.119	1.075	4.84	4.81	10.7	83.7809	80.0
12	44	13C2-PFDA	515.1 > 469.9	8.60e3	1.01e4	0.119	1.019	5.14	5.10	10.7	87.8071	83.8
13	45	d3-N-MeFOSAA	573.3 > 419	3.03e3	1.05e4	0.119	0.325	5.29	5.25	3.62	93.4159	89.2
14	46	d5-N-EtFOSAA	589.3 > 419	3.81e3	1.05e4	0.119	0.345	5.45	5.40	4.55	110.5427	105.5
15	47	13C2-PFUdA	565 > 519.8	8.55e3	1.05e4	0.119	1.071	5.46	5.42	10.2	79.9073	76.3
16	48	13C2-PFDoA	615.0 > 569.7	7.35e3	1.05e4	0.119	0.995	5.74	5.70	8.78	73.9657	70.6
17	49	d3-N-MeFOSA	515.2 > 168.9		1.05e4	0.119	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	3.85e3	1.05e4	0.119	0.551	6.20	6.17	4.60	69.8913	66.7
19	51	d5-N-ETFOSA	531.1 > 168.9		1.05e4	0.119	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	2.35e3	1.05e4	0.119	0.752	6.51	6.49	2.81	31.2856	74.6
21	53	d7-N-MeFOSE	623.1 > 58.9		1.05e4	0.119	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.05e4	0.119	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.37e3	8.37e3	0.119	1.000	1.46	1.44	12.5	104.7779	100.0
24	56	13C5-PFHxA	318 > 272.9	1.03e4	1.03e4	0.119	1.000	3.19	3.16	12.5	104.7779	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.83e3	2.83e3	0.119	1.000	3.96	3.92	12.5	104.7779	100.0
26	58	13C8-PFOA	421.3 > 376	8.21e3	8.21e3	0.119	1.000	4.33	4.29	12.5	104.7779	100.0
27	59	13C9-PFNA	472.2 > 426.9	1.01e4	1.01e4	0.119	1.000	4.70	4.73	12.5	104.7779	100.0
28	60	13C4-PFOS	503 > 79.9	3.15e3	3.15e3	0.119	1.000	4.84	4.81	12.5	104.7779	100.0
29	61	13C6-PFDA	519.1 > 473.7	1.01e4	1.01e4	0.119	1.000	5.14	5.10	12.5	104.7779	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.05e4	1.05e4	0.119	1.000	5.46	5.42	12.5	104.7779	100.0
31	63	Total PFHxS	398.9 > 79.6	0.00e0	9.46e2	0.119		3.85		0.000		
32	64	Total PFOA	413 > 368.7	1.45e2	8.92e3	0.119		4.21		0.203	1.6683	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-113.qld

Last Altered: Thursday, March 01, 2018 10:57:02 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:57:33 Pacific Standard Time

Name: 180224M1_113, Date: 25-Feb-2018, Time: 09:49:31, ID: 1800308-13 OF-FB69-0218 0.1193, Description: OF-FB69-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.71e3	0.119		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.03e3	0.119		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.81e3	0.119		5.45		0.000		

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-113.qld

Last Altered: Thursday, March 01, 2018 10:57:02 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:57:33 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_113, Date: 25-Feb-2018, Time: 09:49:31, ID: 1800308-13 OF-FB69-0218 0.1193, Description: OF-FB69-0218

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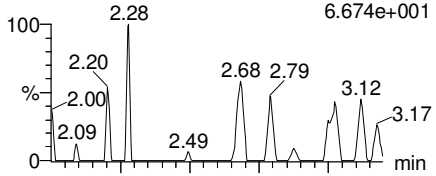
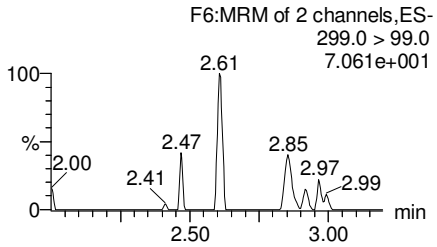
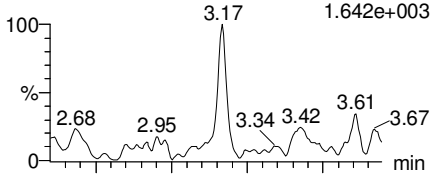
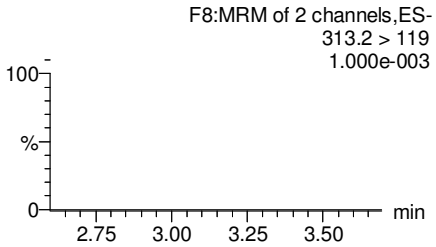


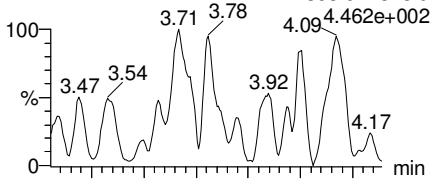


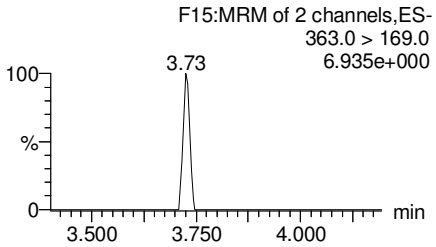
PFHxA





PFHpA





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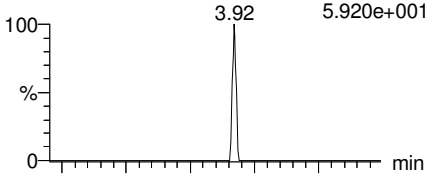
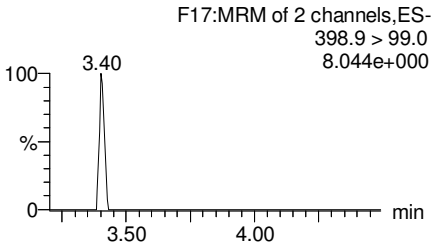
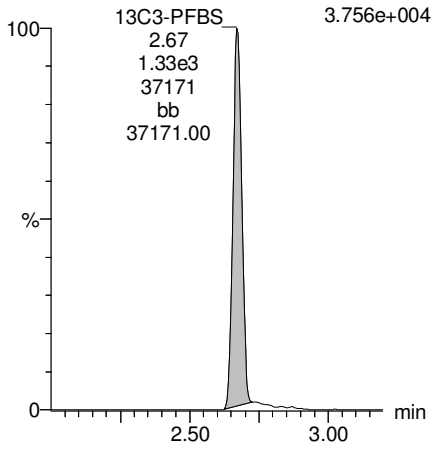
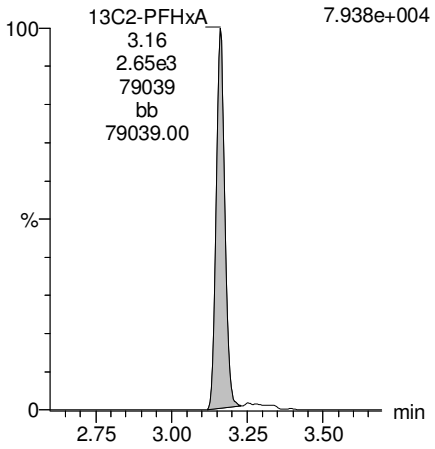




13C3-PFBS



13C2-PFHxA



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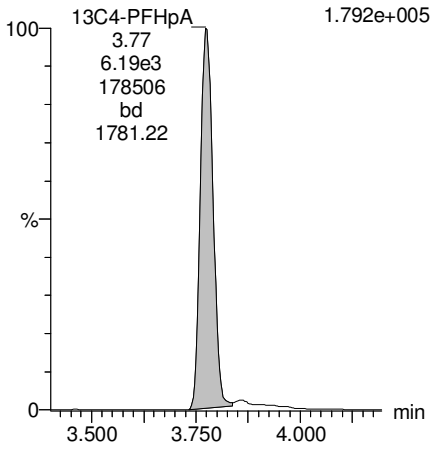
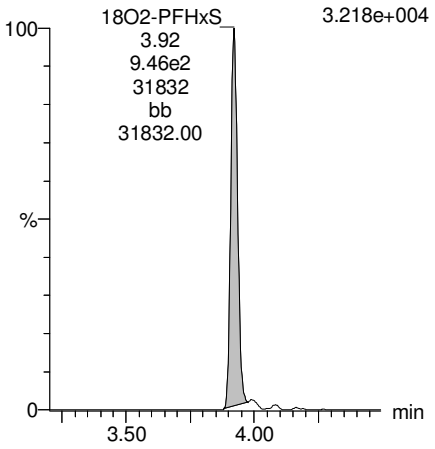


18O2-PFHxS



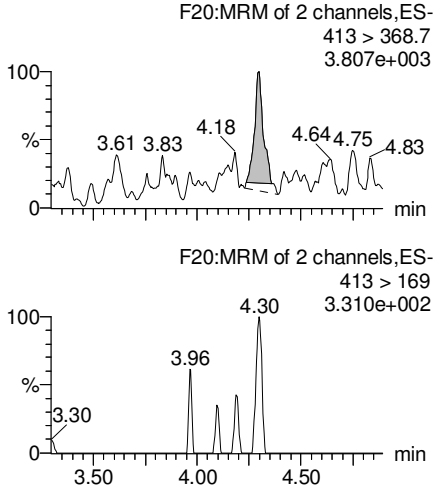
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-113.qld

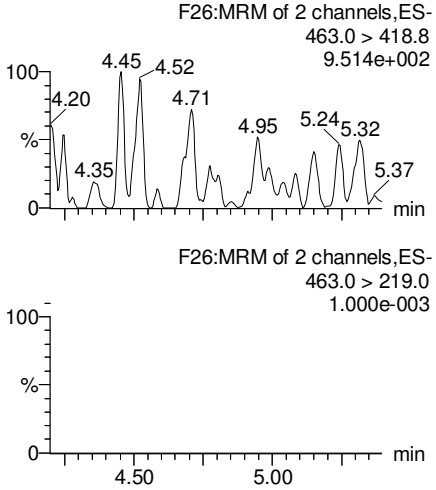
Last Altered: Thursday, March 01, 2018 10:57:02 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:57:33 Pacific Standard Time

Name: 180224M1_113, Date: 25-Feb-2018, Time: 09:49:31, ID: 1800308-13 OF-FB69-0218 0.1193, Description: OF-FB69-0218

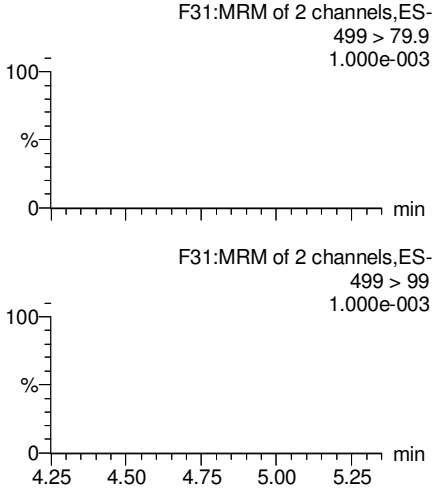
Total PFOA



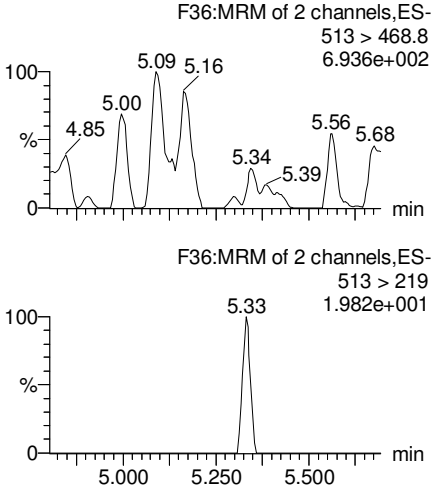
PFNA



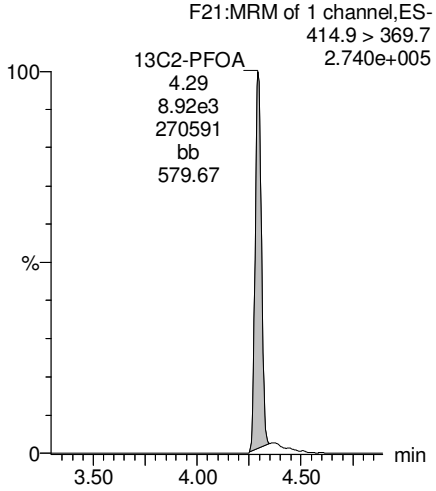
Total PFOS



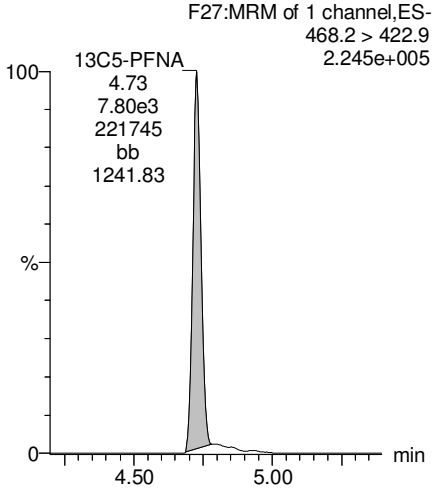
PFDA



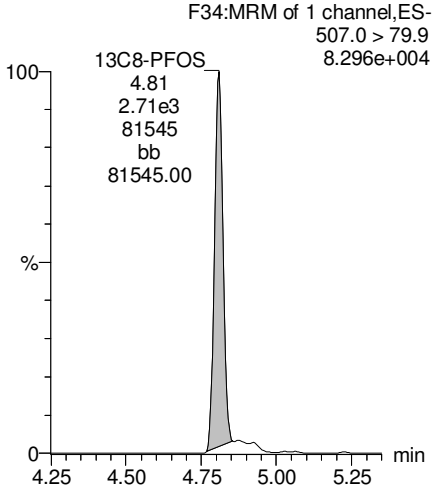
13C2-PFOA



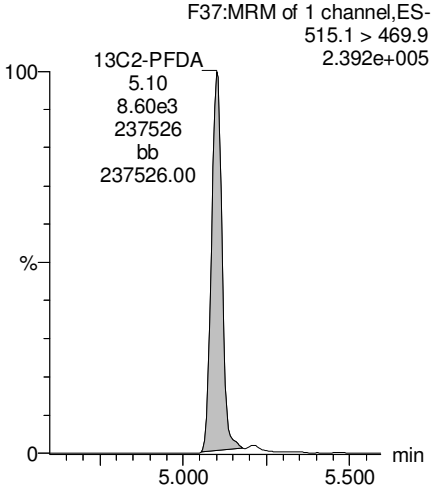
13C5-PFNA



13C8-PFOS



13C2-PFDA



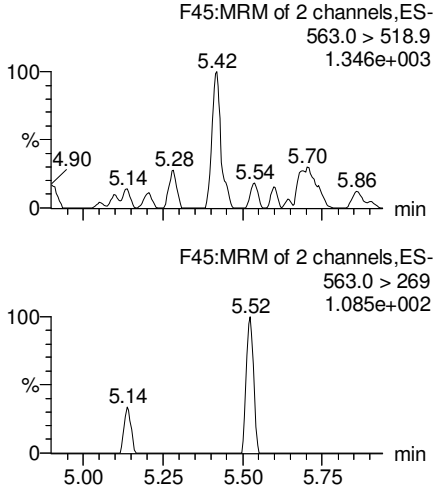
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-113.qld

Last Altered: Thursday, March 01, 2018 10:57:02 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:57:33 Pacific Standard Time

Name: 180224M1_113, Date: 25-Feb-2018, Time: 09:49:31, ID: 1800308-13 OF-FB69-0218 0.1193, Description: OF-FB69-0218

PFUdA



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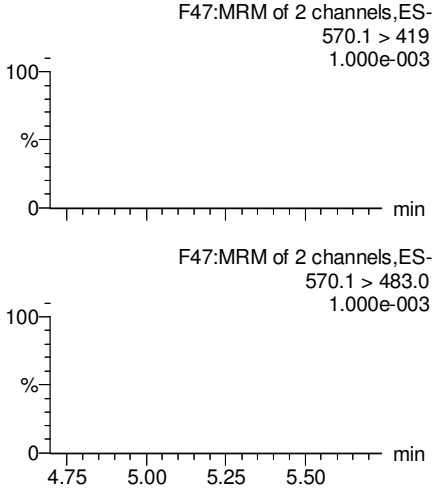
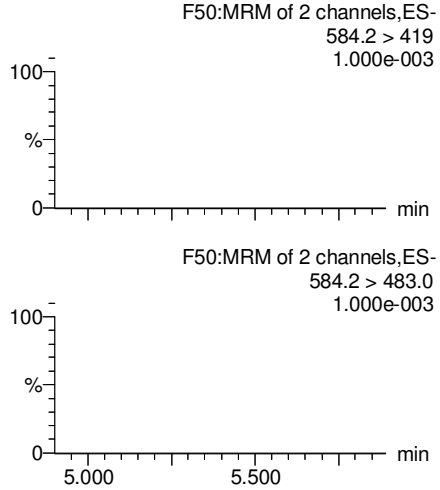
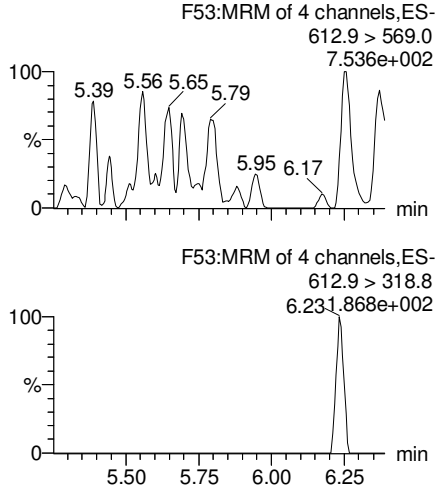


N-EtFOSAA



PFDoA



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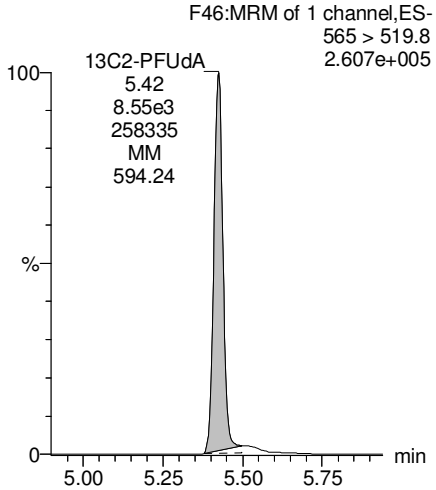
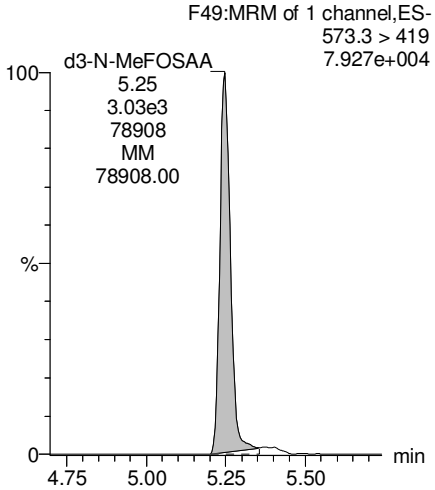
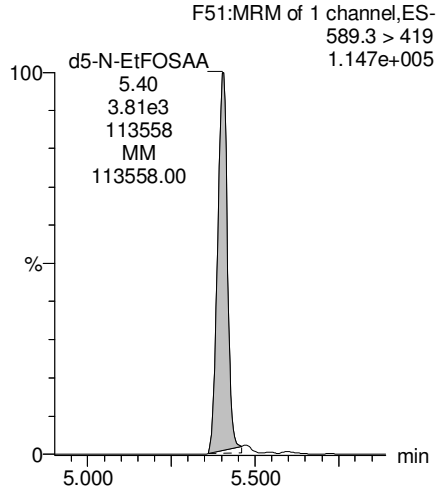


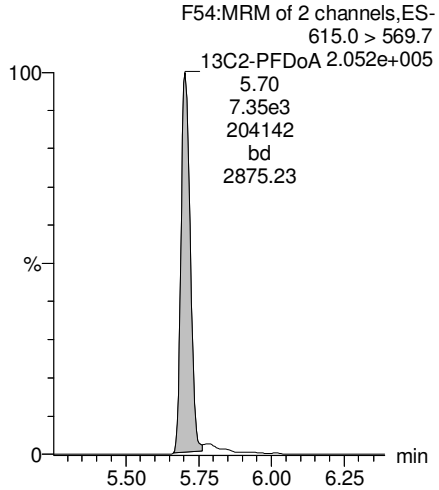
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



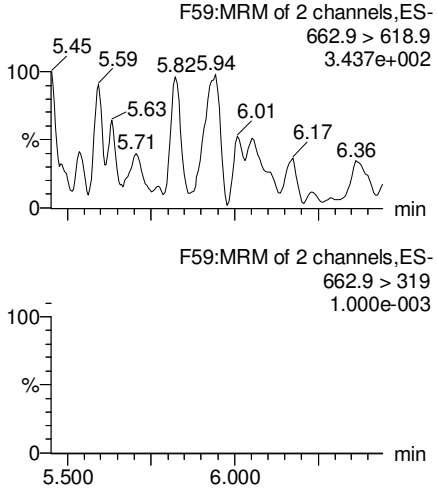
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-113.qld

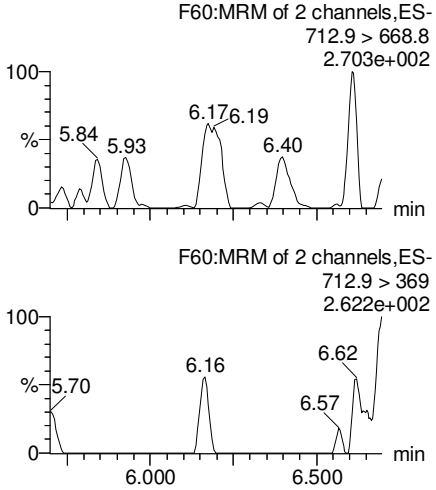
Last Altered: Thursday, March 01, 2018 10:57:02 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:57:33 Pacific Standard Time

Name: 180224M1_113, Date: 25-Feb-2018, Time: 09:49:31, ID: 1800308-13 OF-FB69-0218 0.1193, Description: OF-FB69-0218

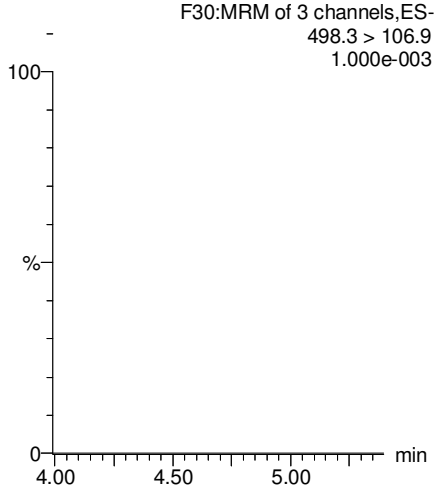
PFTrDA



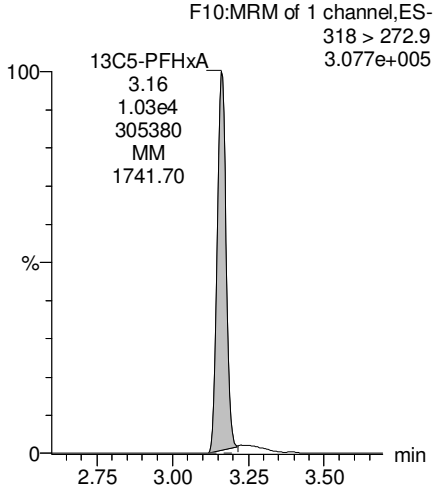
PFTeDA



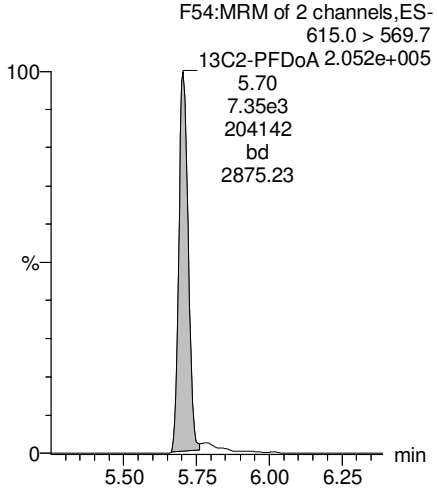
TCDA



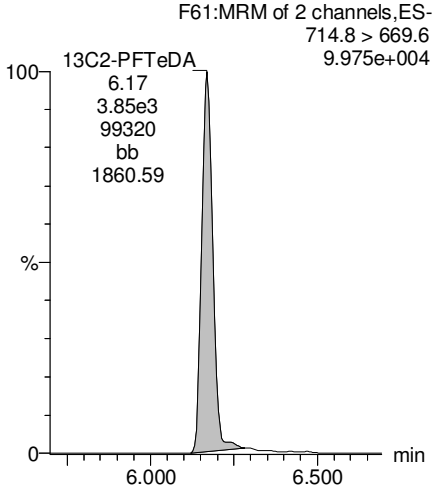
13C5-PFHxA



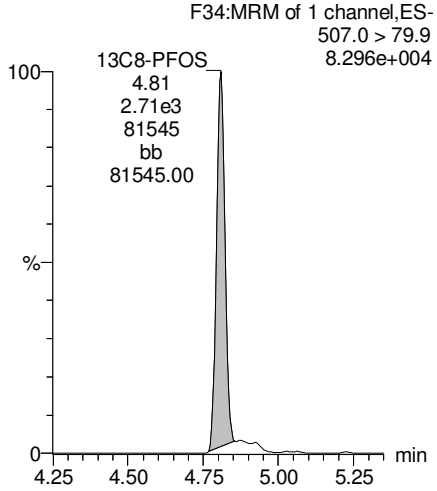
13C2-PFDoA



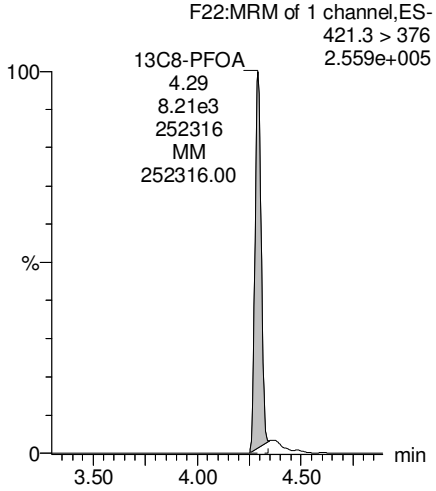
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



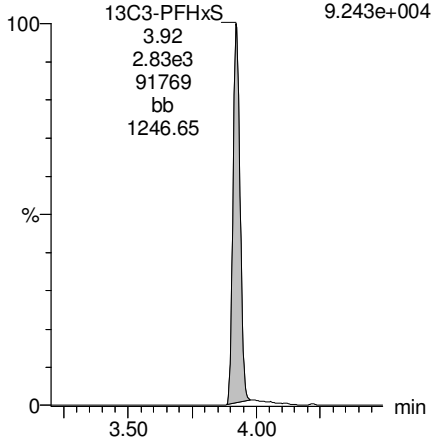
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-113.qld

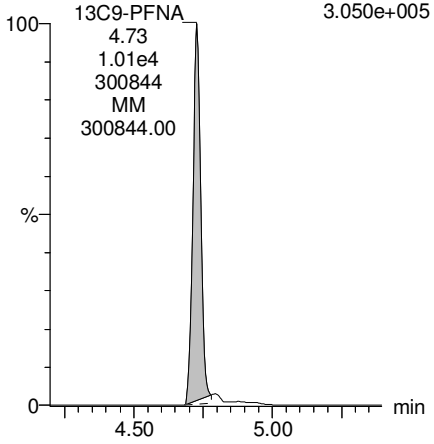
Last Altered: Thursday, March 01, 2018 10:57:02 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:57:33 Pacific Standard Time

Name: 180224M1_113, Date: 25-Feb-2018, Time: 09:49:31, ID: 1800308-13 OF-FB69-0218 0.1193, Description: OF-FB69-0218

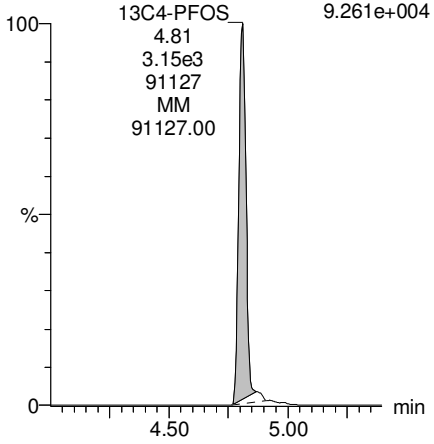
13C3-PFHxS



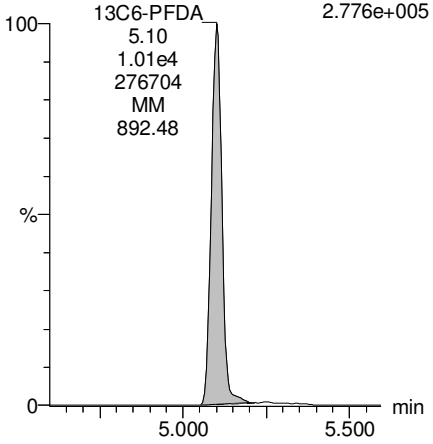
13C9-PFNA



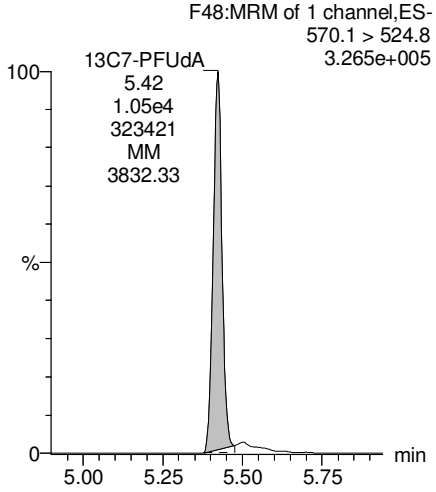
13C4-PFOS



13C6-PFDA



13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-117.qld

Last Altered: Thursday, March 01, 2018 10:59:35 Pacific Standard Time
Printed: Thursday, March 01, 2018 10:59:53 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_117, Date: 25-Feb-2018, Time: 10:35:23, ID: 1800308-14 OF-RW30-0218 0.11538, Description: OF-RW30-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.17e3	0.115		2.60				
2	5	PFHxA	313.2 > 268.9		2.35e3	0.115		3.19				
3	7	PFHpA	363.0 > 318.9		5.95e3	0.115		3.81				
4	8	L-PFHxS	398.9 > 79.6		9.61e2	0.115		4.17				
5	11	L-PFOA	413 > 368.7	1.29e2	8.84e3	0.115		4.40	4.30	0.182	1.5467	
6	14	PFNA	463.0 > 418.8		7.66e3	0.115		4.76				
7	16	L-PFOS	499 > 79.9		2.70e3	0.115		4.95				
8	18	PFDA	513 > 468.8		9.20e3	0.115		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.36e3	0.115		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.41e3	0.115		5.45				
11	23	PFUdA	563.0 > 518.9		1.01e4	0.115		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-117.qld

Last Altered: Thursday, March 01, 2018 10:59:35 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:00:02 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_117, Date: 25-Feb-2018, Time: 10:35:23, ID: 1800308-14 OF-RW30-0218 0.11538, Description: OF-RW30-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		5.98e3	0.115		5.74				
2	27	PFTrDA	662.9 > 618.9		5.98e3	0.115		5.98				
3	28	PFTeDA	712.9 > 668.8		3.45e3	0.115		6.20				
4	36	13C3-PFBS	302. > 98.8	1.17e3	9.36e3	0.115	0.116	2.69	2.67	1.56	116.8644	107.9
5	37	13C2-PFHxA	315 > 269.8	2.35e3	9.36e3	0.115	0.732	3.19	3.16	3.14	37.1398	85.7
6	38	13C4-PFHpA	367.2 > 321.8	5.95e3	9.36e3	0.115	0.717	3.81	3.77	7.94	95.9845	88.6
7	39	18O2-PFHxS	403.0 > 102.6	9.61e2	2.79e3	0.115	0.368	3.96	3.92	4.31	101.5230	93.7
8	40	13C2-PFOA	414.9 > 369.7	8.84e3	8.10e3	0.115	1.311	4.33	4.29	13.6	90.2037	83.3
9	41	13C5-PFNA	468.2 > 422.9	7.66e3	9.72e3	0.115	0.974	4.76	4.72	9.85	87.6117	80.9
10	42	13C8-PFOSA	506.1 > 77.7	1.36e3	1.10e4	0.115	0.187	4.83	4.79	1.54	71.3055	65.8
11	43	13C8-PFOS	507.0 > 79.9	2.70e3	2.34e3	0.115	1.075	4.84	4.80	14.5	116.7075	107.7
12	44	13C2-PFDA	515.1 > 469.9	9.20e3	9.94e3	0.115	1.019	5.14	5.10	11.6	98.4453	90.9
13	45	d3-N-MeFOSAA	573.3 > 419	3.36e3	1.10e4	0.115	0.325	5.29	5.25	3.82	101.8599	94.0
14	46	d5-N-EtFOSAA	589.3 > 419	3.41e3	1.10e4	0.115	0.345	5.45	5.41	3.88	97.5317	90.0
15	47	13C2-PFUdA	565 > 519.8	1.01e4	1.10e4	0.115	1.071	5.46	5.42	11.5	92.9826	85.8
16	48	13C2-PFDoA	615.0 > 569.7	5.98e3	1.10e4	0.115	0.995	5.74	5.70	6.80	59.2586	54.7
17	49	d3-N-MeFOSA	515.2 > 168.9		1.10e4	0.115	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	3.45e3	1.10e4	0.115	0.551	6.20	6.17	3.93	61.7471	57.0
19	51	d5-N-ETFOSA	531.1 > 168.9		1.10e4	0.115	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	2.25e3	1.10e4	0.115	0.752	6.51	6.49	2.56	29.5457	68.2
21	53	d7-N-MeFOSE	623.1 > 58.9		1.10e4	0.115	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.10e4	0.115	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	8.25e3	8.25e3	0.115	1.000	1.46	1.44	12.5	108.3377	100.0
24	56	13C5-PFHxA	318 > 272.9	9.36e3	9.36e3	0.115	1.000	3.19	3.16	12.5	108.3377	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.79e3	2.79e3	0.115	1.000	3.96	3.92	12.5	108.3377	100.0
26	58	13C8-PFOA	421.3 > 376	8.10e3	8.10e3	0.115	1.000	4.33	4.29	12.5	108.3377	100.0
27	59	13C9-PFNA	472.2 > 426.9	9.72e3	9.72e3	0.115	1.000	4.70	4.72	12.5	108.3377	100.0
28	60	13C4-PFOS	503 > 79.9	2.34e3	2.34e3	0.115	1.000	4.84	4.81	12.5	108.3377	100.0
29	61	13C6-PFDA	519.1 > 473.7	9.94e3	9.94e3	0.115	1.000	5.14	5.10	12.5	108.3377	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.10e4	1.10e4	0.115	1.000	5.46	5.42	12.5	108.3377	100.0
31	63	Total PFHxS	398.9 > 79.6	0.00e0	9.61e2	0.115		3.85		0.000		
32	64	Total PFOA	413 > 368.7	1.29e2	8.84e3	0.115		4.21		0.182	1.5467	

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-117.qld

Last Altered: Thursday, March 01, 2018 10:59:35 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:00:02 Pacific Standard Time

Name: 180224M1_117, Date: 25-Feb-2018, Time: 10:35:23, ID: 1800308-14 OF-RW30-0218 0.11538, Description: OF-RW30-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.70e3	0.115		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.36e3	0.115		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.41e3	0.115		5.45		0.000		

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

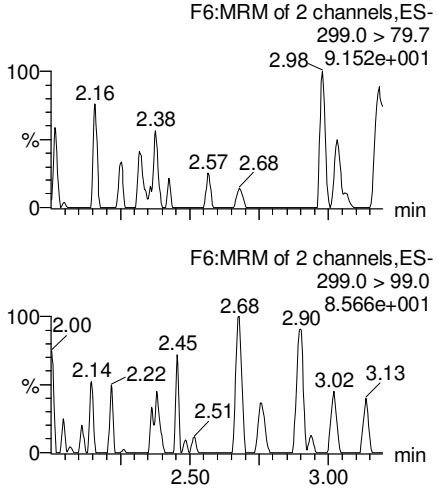
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-117.qld

Last Altered: Thursday, March 01, 2018 10:59:35 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:00:02 Pacific Standard Time

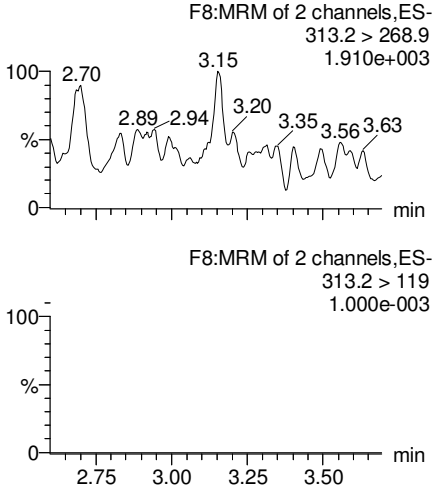
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_117, Date: 25-Feb-2018, Time: 10:35:23, ID: 1800308-14 OF-RW30-0218 0.11538, Description: OF-RW30-0218

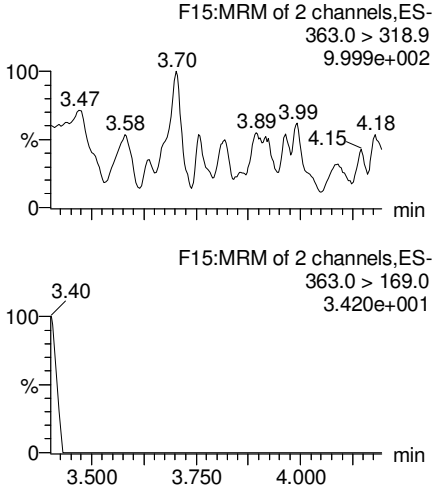
PFBS



PFHxA



PFHpA



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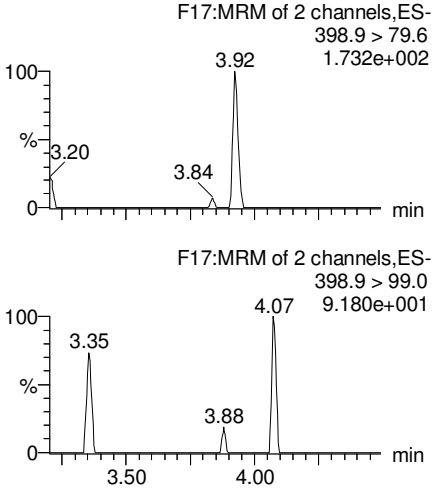
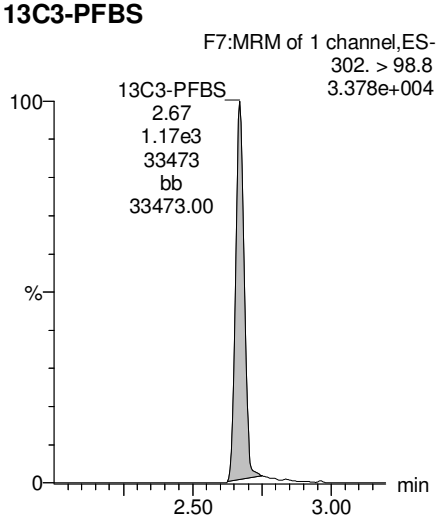
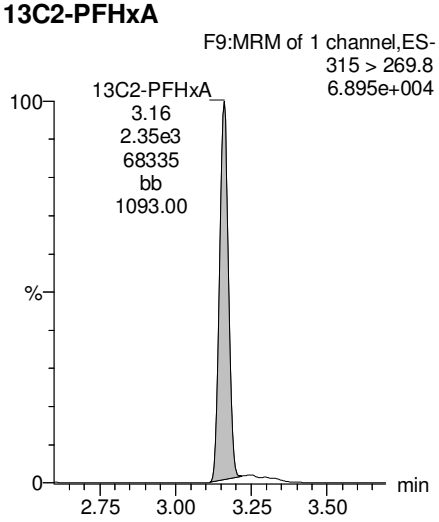


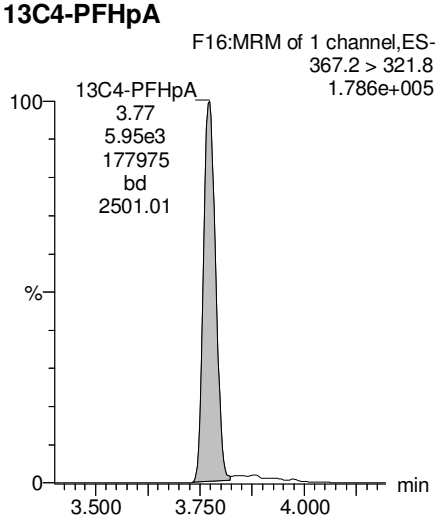
13C3-PFBS



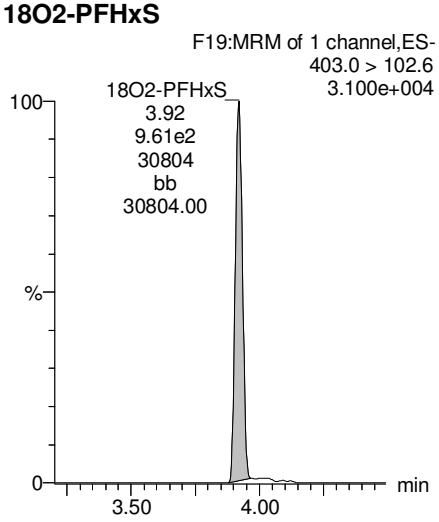
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



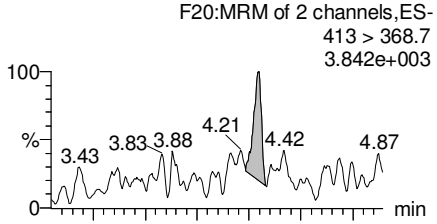
GM 3/1/2018

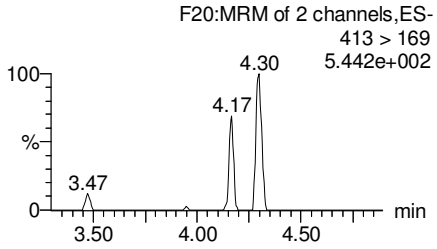
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-117.qld

Last Altered: Thursday, March 01, 2018 10:59:35 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:00:02 Pacific Standard Time

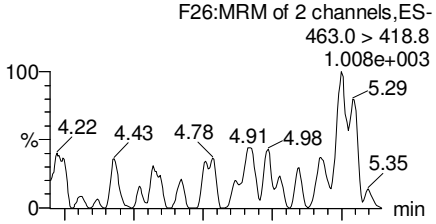
Name: 180224M1_117, Date: 25-Feb-2018, Time: 10:35:23, ID: 1800308-14 OF-RW30-0218 0.11538, Description: OF-RW30-0218

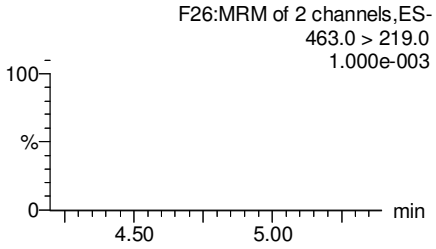
Total PFOA



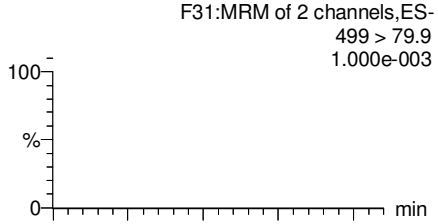


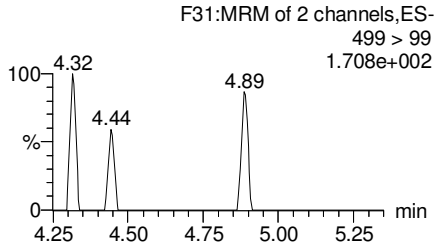
PFNA





Total PFOS





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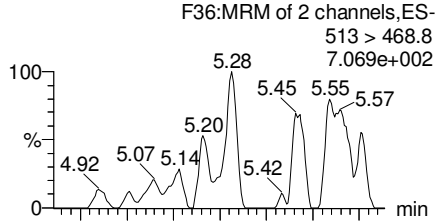
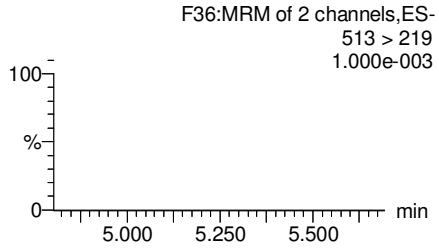
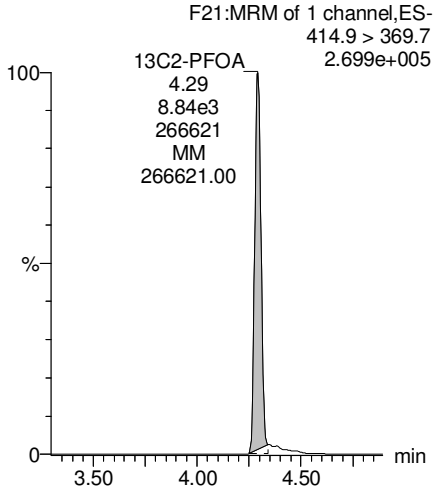
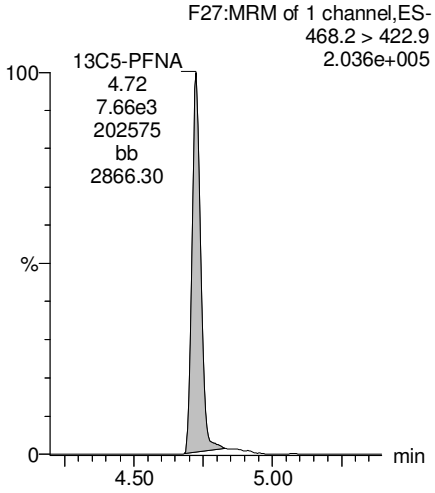




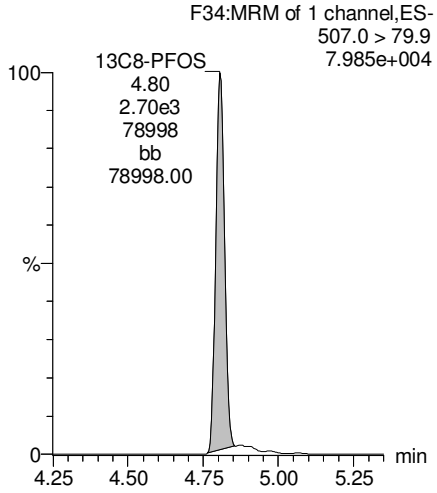
13C2-PFOA



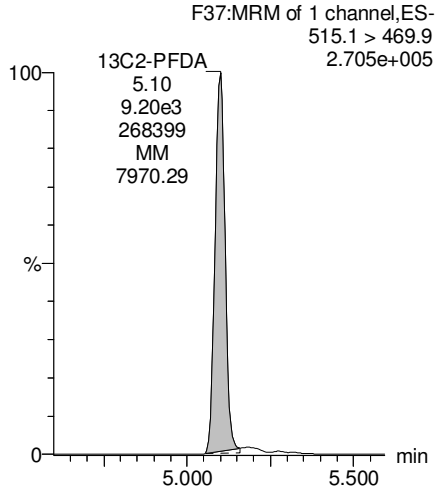
13C5-PFNA



13C8-PFOS



13C2-PFDA



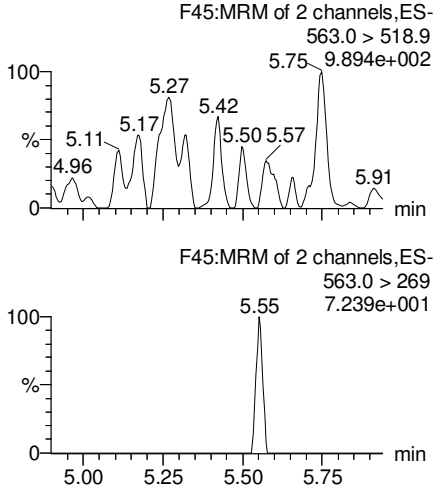
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-117.qld

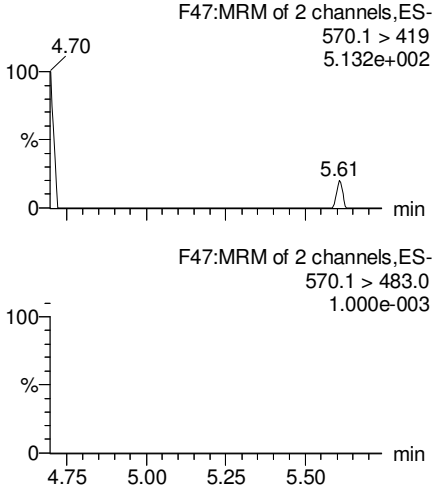
Last Altered: Thursday, March 01, 2018 10:59:35 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:00:02 Pacific Standard Time

Name: 180224M1_117, Date: 25-Feb-2018, Time: 10:35:23, ID: 1800308-14 OF-RW30-0218 0.11538, Description: OF-RW30-0218

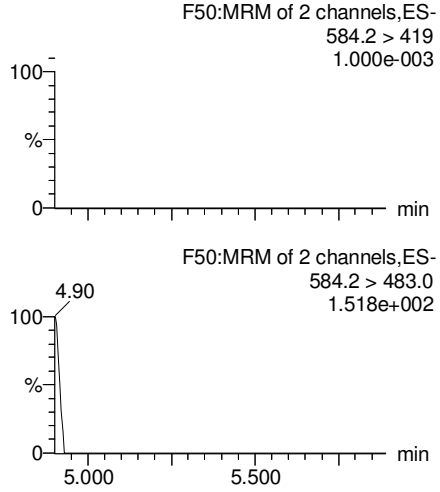
PFUdA



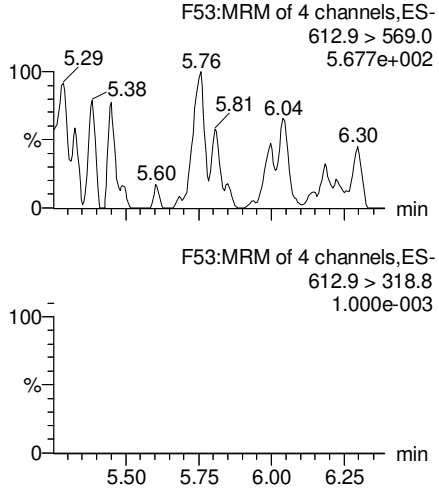
N-MeFOSAA



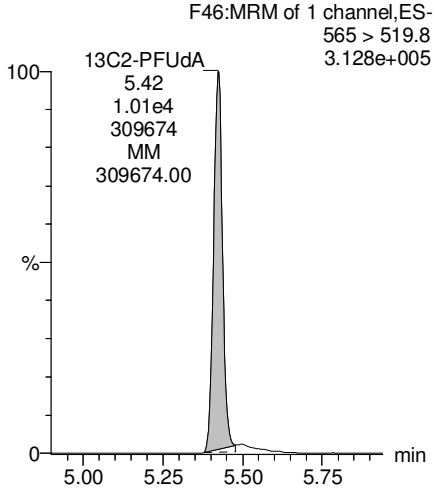
N-EtFOSAA



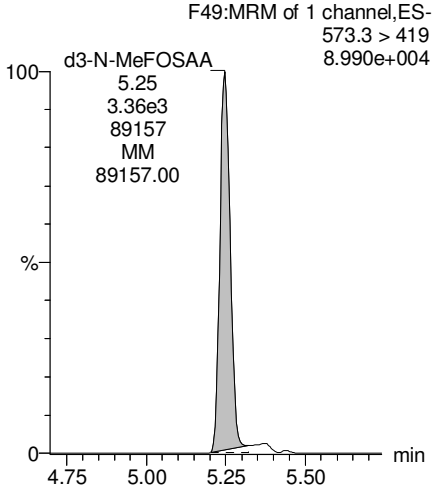
PFDoA



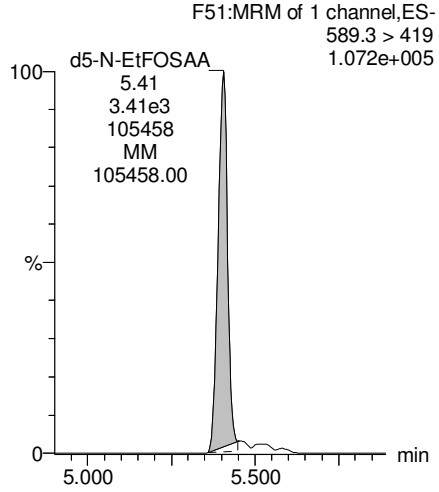
13C2-PFUdA



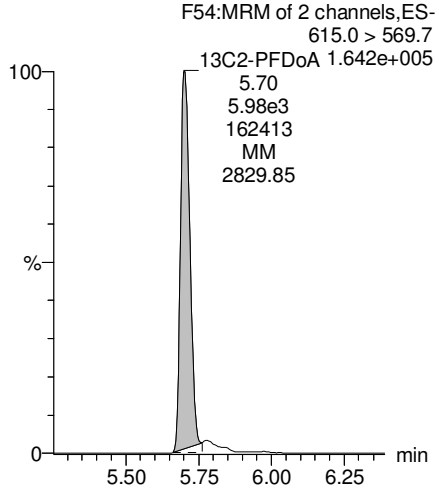
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



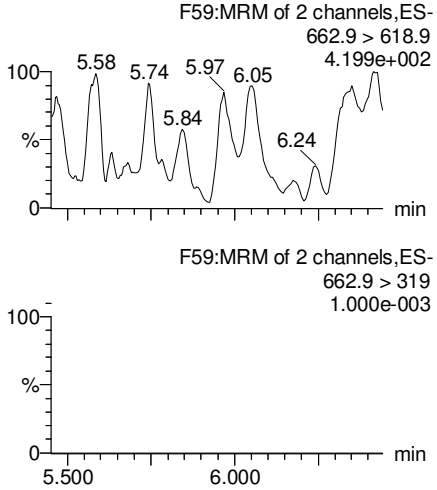
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-117.qld

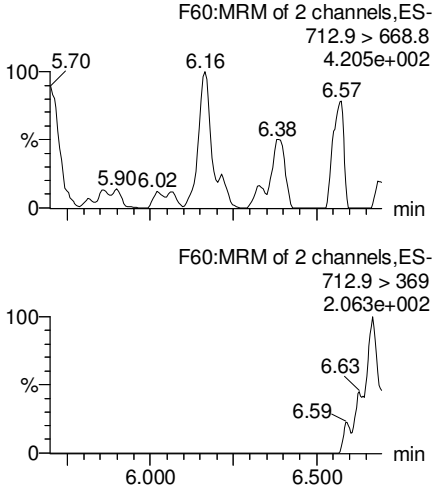
Last Altered: Thursday, March 01, 2018 10:59:35 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:00:02 Pacific Standard Time

Name: 180224M1_117, Date: 25-Feb-2018, Time: 10:35:23, ID: 1800308-14 OF-RW30-0218 0.11538, Description: OF-RW30-0218

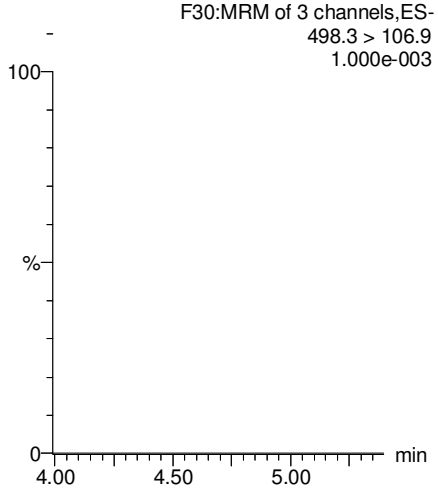
PFTrDA



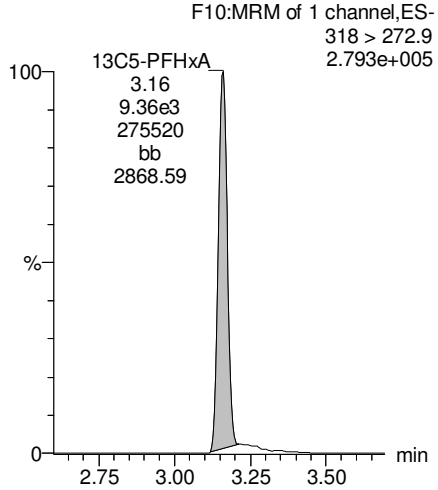
PFTeDA



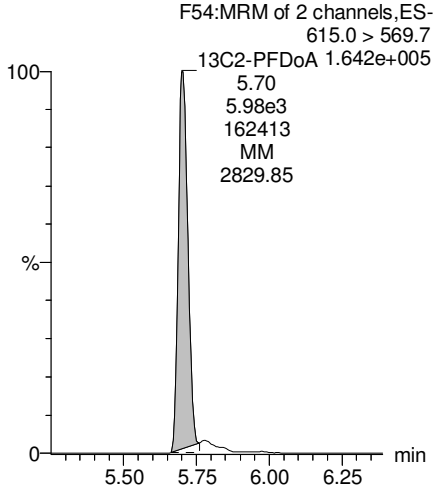
TCDA



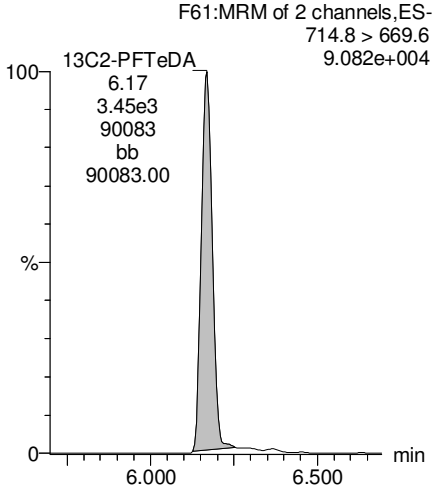
13C5-PFHxA



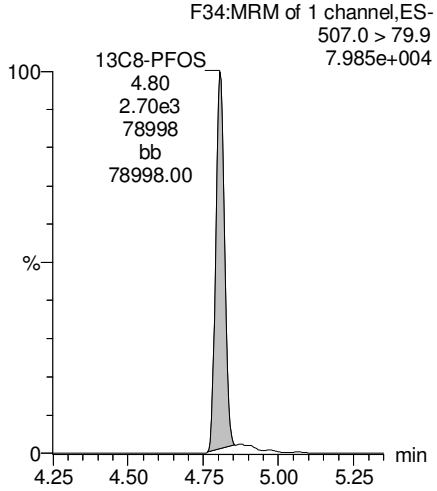
13C2-PFDoA



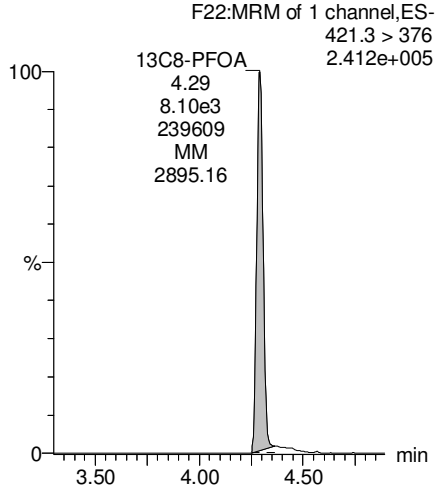
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



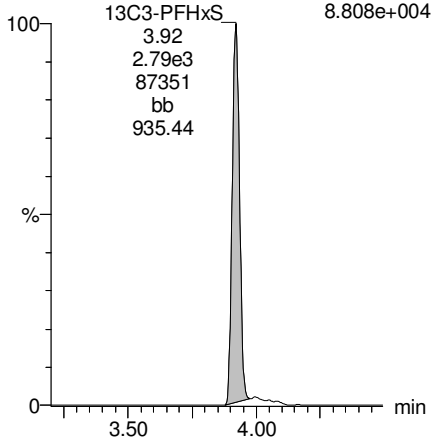
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-117.qld

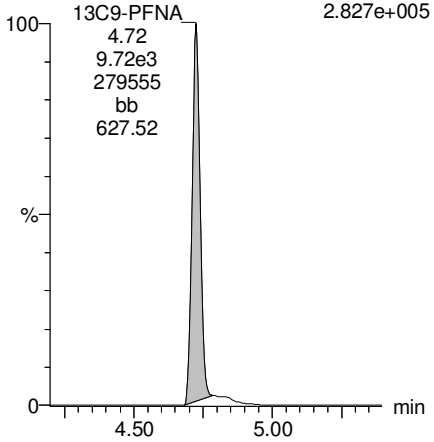
Last Altered: Thursday, March 01, 2018 10:59:35 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:00:02 Pacific Standard Time

Name: 180224M1_117, Date: 25-Feb-2018, Time: 10:35:23, ID: 1800308-14 OF-RW30-0218 0.11538, Description: OF-RW30-0218

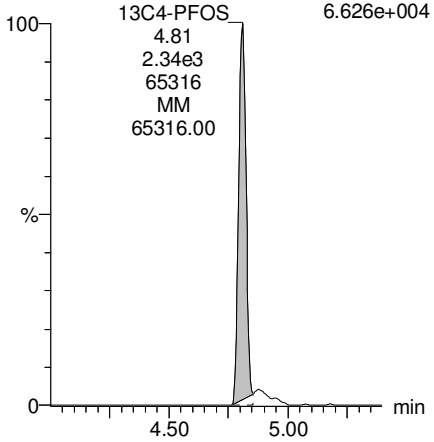
13C3-PFHxS



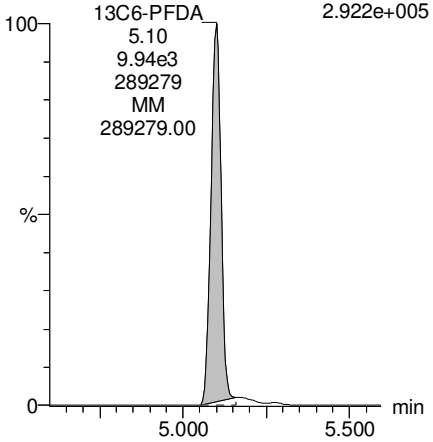
13C9-PFNA



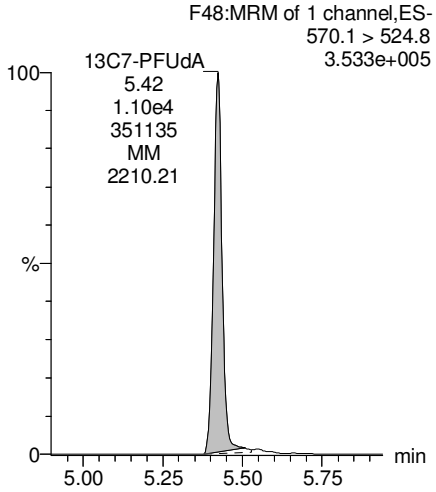
13C4-PFOS



13C6-PFDA



13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-118.qld

Last Altered: Thursday, March 01, 2018 11:04:43 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:05:01 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_118, Date: 25-Feb-2018, Time: 10:46:50, ID: 1800308-15 OF-FB30-0218 0.12036, Description: OF-FB30-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.29e3	0.120		2.60				
2	5	PFHxA	313.2 > 268.9		2.62e3	0.120		3.19				
3	7	PFHpA	363.0 > 318.9		5.43e3	0.120		3.81				
4	8	L-PFHxS	398.9 > 79.6		9.74e2	0.120		4.17				
5	11	L-PFOA	413 > 368.7	1.12e2	9.24e3	0.120		4.40	4.29	0.152	1.2286	
6	14	PFNA	463.0 > 418.8		8.60e3	0.120		4.76				
7	16	L-PFOS	499 > 79.9		2.59e3	0.120		4.95				
8	18	PFDA	513 > 468.8		7.74e3	0.120		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.12e3	0.120		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.51e3	0.120		5.45				
11	23	PFUdA	563.0 > 518.9		7.12e3	0.120		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-118.qld

Last Altered: Thursday, March 01, 2018 11:04:43 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:05:10 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_118, Date: 25-Feb-2018, Time: 10:46:50, ID: 1800308-15 OF-FB30-0218 0.12036, Description: OF-FB30-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	25	PFDoA	612.9 > 569.0		5.51e3	0.120		5.74					
2	27	PFTrDA	662.9 > 618.9		5.51e3	0.120		5.98					
3	28	PFTeDA	712.9 > 668.8		2.69e3	0.120		6.20					
4	36	13C3-PFBS	302. > 98.8	1.29e3	9.02e3	0.120	0.116	2.69	2.67	1.78	127.5671	122.8	
5	37	13C2-PFHxA	315 > 269.8	2.62e3	9.02e3	0.120	0.732	3.19	3.16	3.63	41.1879	99.1	
6	38	13C4-PFHpA	367.2 > 321.8	5.43e3	9.02e3	0.120	0.717	3.81	3.77	7.53	87.2532	84.0	
7	39	18O2-PFHxS	403.0 > 102.6	9.74e2	2.77e3	0.120	0.368	3.96	3.92	4.40	99.3181	95.6	
8	40	13C2-PFOA	414.9 > 369.7	9.24e3	8.54e3	0.120	1.311	4.33	4.29	13.5	85.7265	82.5	
9	41	13C5-PFNA	468.2 > 422.9	8.60e3	1.08e4	0.120	0.974	4.76	4.73	9.96	84.9545	81.8	
10	42	13C8-PFOSA	506.1 > 77.7	1.41e3	1.10e4	0.120	0.187	4.83	4.79	1.61	71.5034	68.8	
11	43	13C8-PFOS	507.0 > 79.9	2.59e3	2.36e3	0.120	1.075	4.84	4.81	13.7	105.8581	101.9	
12	44	13C2-PFDA	515.1 > 469.9	7.74e3	8.72e3	0.120	1.019	5.14	5.10	11.1	90.4971	87.1	
13	45	d3-N-MeFOSAA	573.3 > 419	3.12e3	1.10e4	0.120	0.325	5.29	5.25	3.56	90.9508	87.6	
14	46	d5-N-EtFOSAA	589.3 > 419	3.51e3	1.10e4	0.120	0.345	5.45	5.41	4.00	96.2947	92.7	
15	47	13C2-PFUdA	565 > 519.8	7.12e3	1.10e4	0.120	1.071	5.46	5.42	8.12	62.9733	60.6	
16	48	13C2-PFDoA	615.0 > 569.7	5.51e3	1.10e4	0.120	0.995	5.74	5.70	6.29	52.5183	50.6	
17	49	d3-N-MeFOSA	515.2 > 168.9		1.10e4	0.120	0.090	5.84					
18	50	13C2-PFTeDA	714.8 > 669.6	2.69e3	1.10e4	0.120	0.551	6.20	6.17	3.07	46.2168	44.5	H
19	51	d5-N-ETFOSA	531.1 > 168.9		1.10e4	0.120	0.127	6.22					
20	52	13C2-PFHxDA	815 > 769.7	1.54e3	1.10e4	0.120	0.752	6.51	6.49	1.76	19.4594	46.8	H
21	53	d7-N-MeFOSE	623.1 > 58.9		1.10e4	0.120	0.098	6.31					
22	54	d9-N-EtFOSE	639.2 > 58.8		1.10e4	0.120	0.086	6.45					
23	55	13C4-PFBA	217. > 171.8	8.28e3	8.28e3	0.120	1.000	1.46	1.44	12.5	103.8551	100.0	
24	56	13C5-PFHxA	318 > 272.9	9.02e3	9.02e3	0.120	1.000	3.19	3.16	12.5	103.8551	100.0	
25	57	13C3-PFHxS	401.9 > 79.9	2.77e3	2.77e3	0.120	1.000	3.96	3.92	12.5	103.8551	100.0	
26	58	13C8-PFOA	421.3 > 376	8.54e3	8.54e3	0.120	1.000	4.33	4.29	12.5	103.8551	100.0	
27	59	13C9-PFNA	472.2 > 426.9	1.08e4	1.08e4	0.120	1.000	4.70	4.72	12.5	103.8551	100.0	
28	60	13C4-PFOS	503 > 79.9	2.36e3	2.36e3	0.120	1.000	4.84	4.81	12.5	103.8551	100.0	
29	61	13C6-PFDA	519.1 > 473.7	8.72e3	8.72e3	0.120	1.000	5.14	5.10	12.5	103.8551	100.0	
30	62	13C7-PFUdA	570.1 > 524.8	1.10e4	1.10e4	0.120	1.000	5.46	5.42	12.5	103.8551	100.0	
31	63	Total PFHxS	398.9 > 79.6	0.00e0	9.74e2	0.120		3.85		0.000			
32	64	Total PFOA	413 > 368.7	1.12e2	9.24e3	0.120		4.21		0.152	1.2286		

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-118.qld

Last Altered: Thursday, March 01, 2018 11:04:43 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:05:10 Pacific Standard Time

Name: 180224M1_118, Date: 25-Feb-2018, Time: 10:46:50, ID: 1800308-15 OF-FB30-0218 0.12036, Description: OF-FB30-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.59e3	0.120		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.12e3	0.120		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.51e3	0.120		5.45		0.000		

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

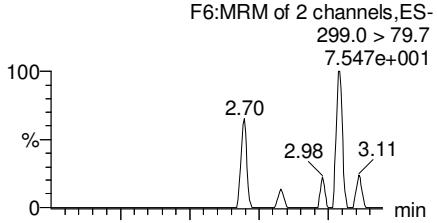
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-118.qld

Last Altered: Thursday, March 01, 2018 11:04:43 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:05:10 Pacific Standard Time

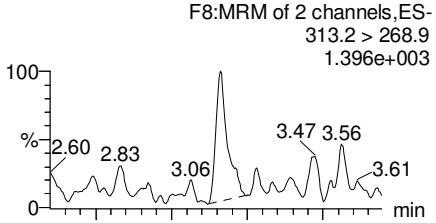
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_118, Date: 25-Feb-2018, Time: 10:46:50, ID: 1800308-15 OF-FB30-0218 0.12036, Description: OF-FB30-0218

PFBS



PFHxA



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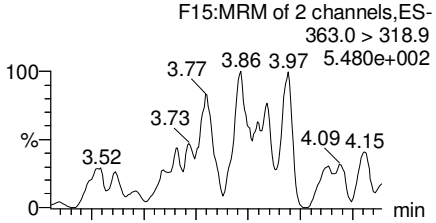

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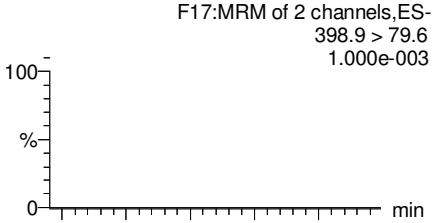

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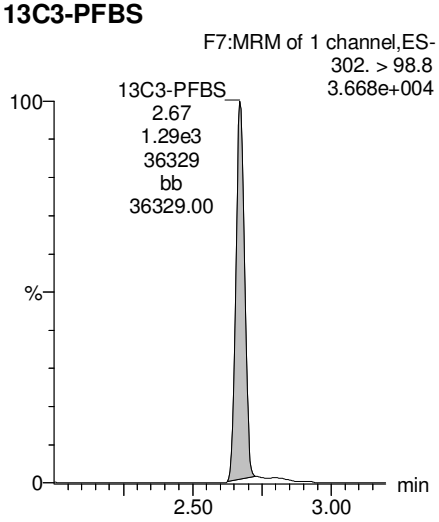

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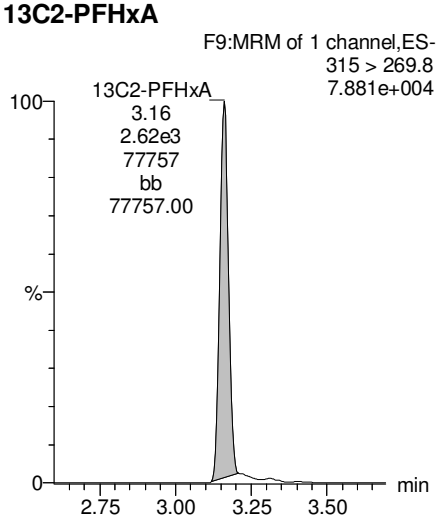

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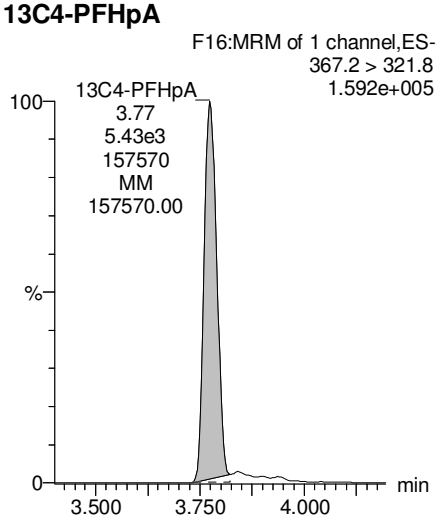

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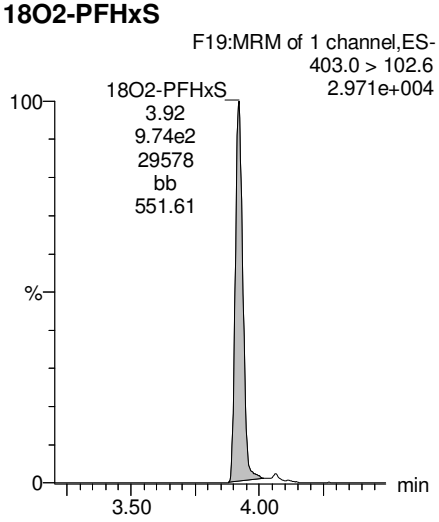

GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-118.qld

Last Altered: Thursday, March 01, 2018 11:04:43 Pacific Standard Time
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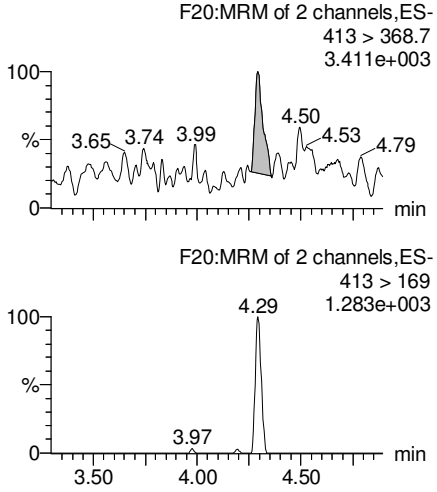
Name: 180224M1_118, Date: 25-Feb-2018, Time: 10:46:50, ID: 1800308-15 OF-FB30-0218 0.12036, Description: OF-FB30-0218

Total PFOA



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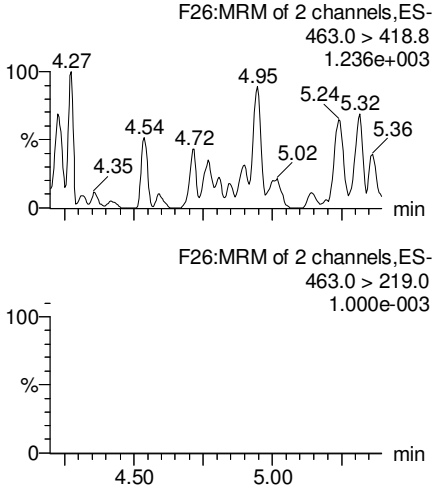
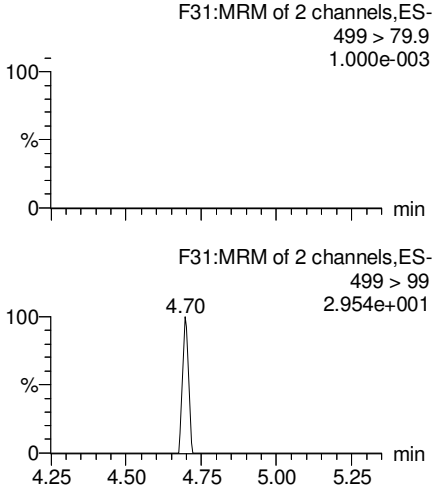


Total PFOS



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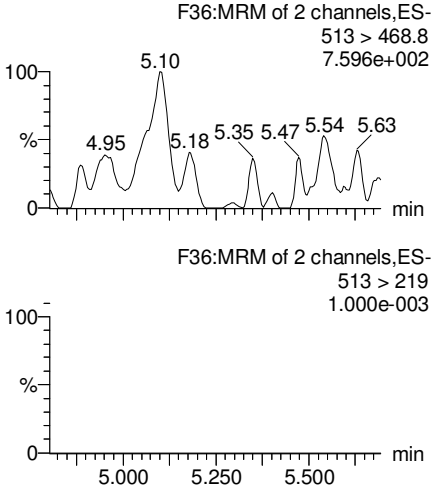

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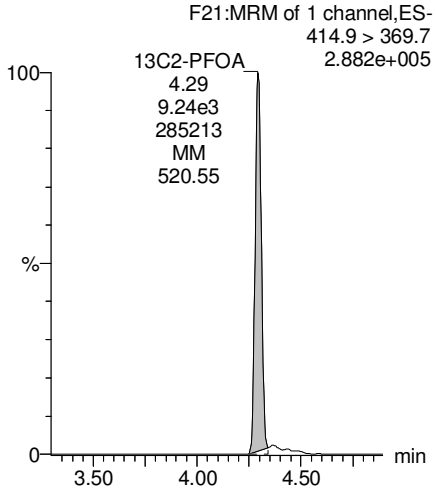

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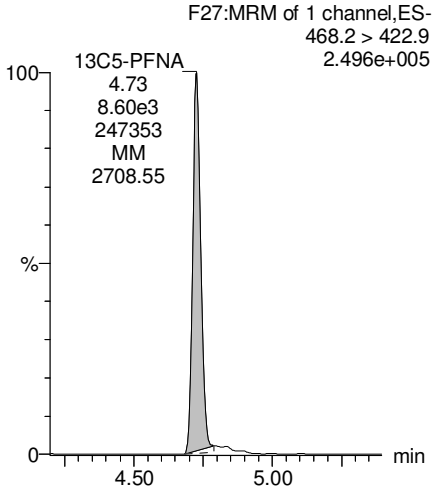
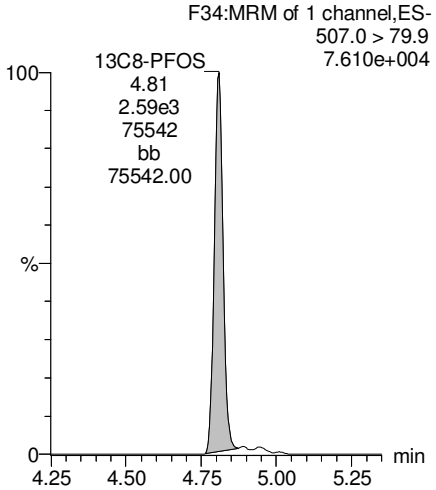


13C8-PFOS



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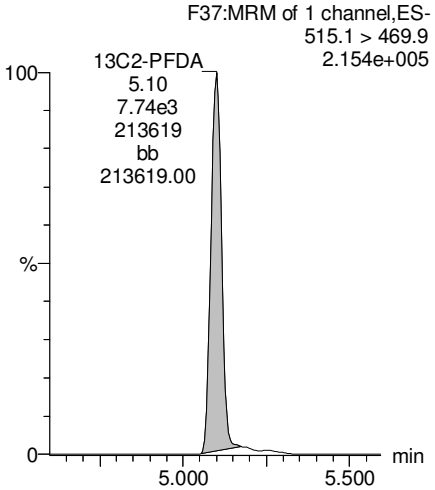

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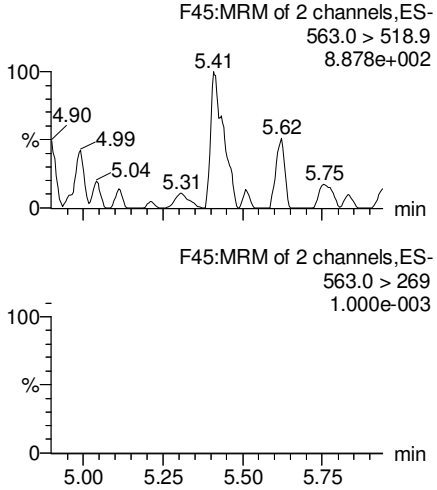
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-118.qld

Last Altered: Thursday, March 01, 2018 11:04:43 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:05:10 Pacific Standard Time

Name: 180224M1_118, Date: 25-Feb-2018, Time: 10:46:50, ID: 1800308-15 OF-FB30-0218 0.12036, Description: OF-FB30-0218

PFUdA



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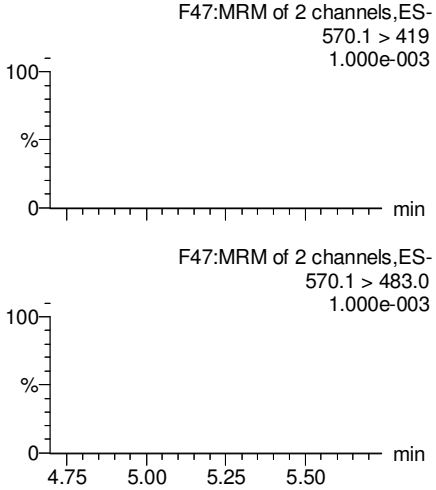

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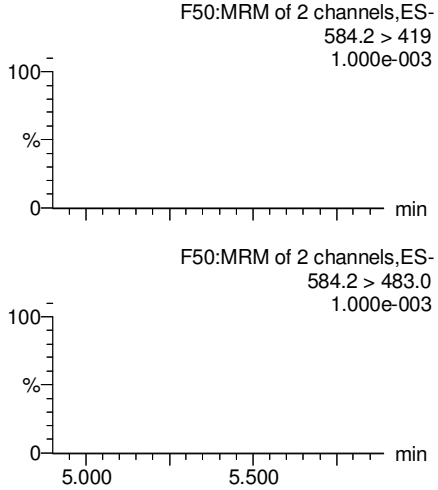

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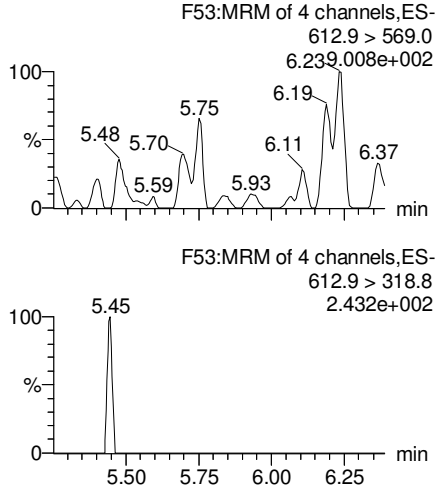

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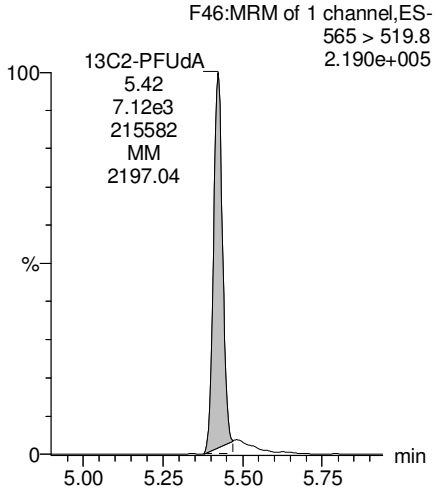

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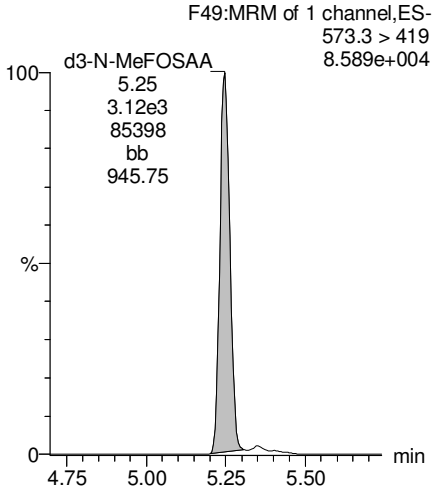

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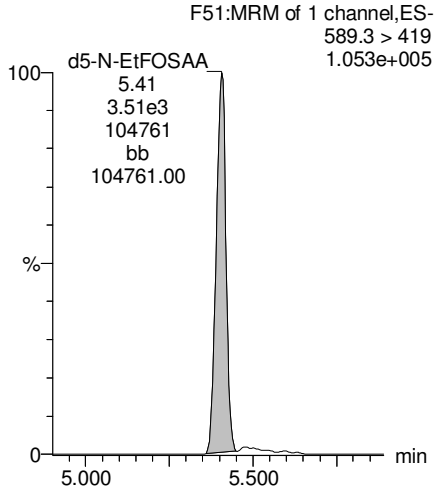

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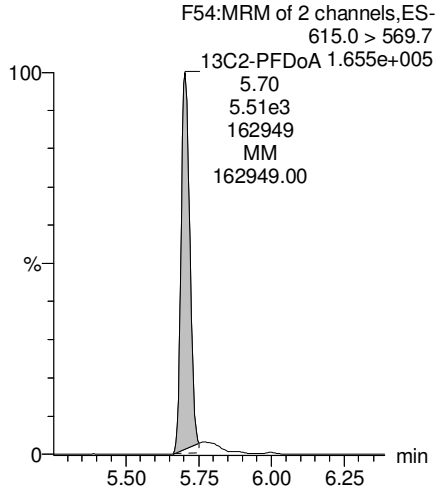


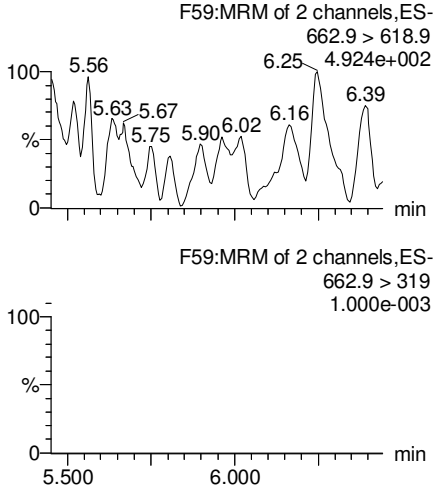
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-118.qld

Last Altered: Thursday, March 01, 2018 11:04:43 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:05:10 Pacific Standard Time

Name: 180224M1_118, Date: 25-Feb-2018, Time: 10:46:50, ID: 1800308-15 OF-FB30-0218 0.12036, Description: OF-FB30-0218

PFTrDA



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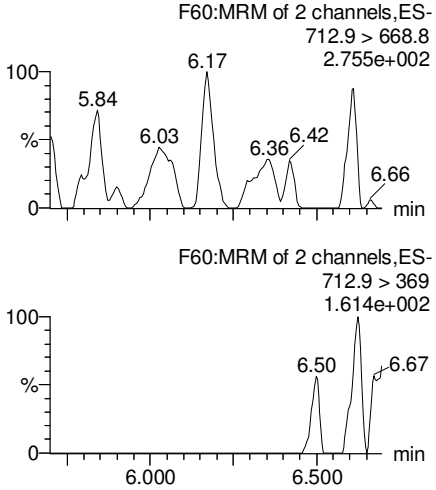
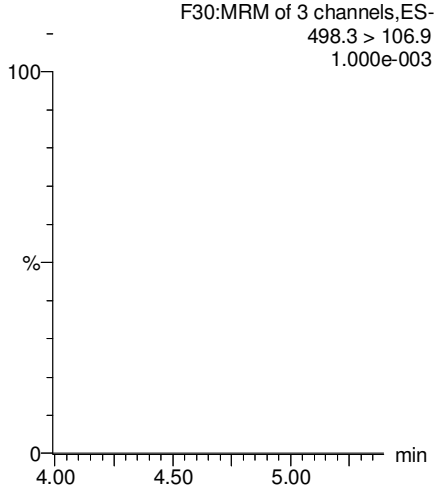


TCDA



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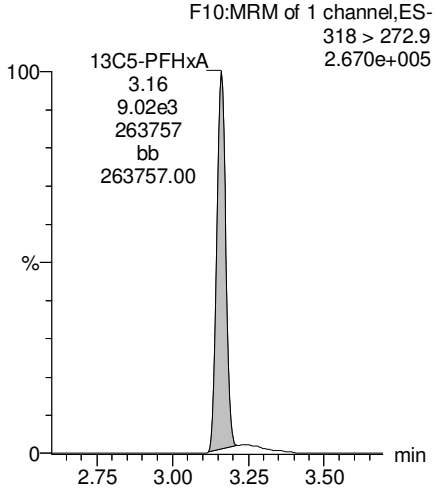

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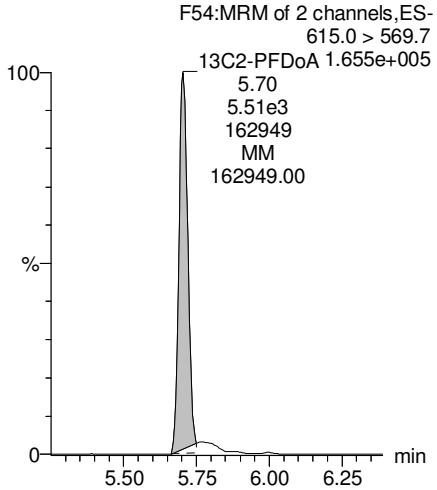

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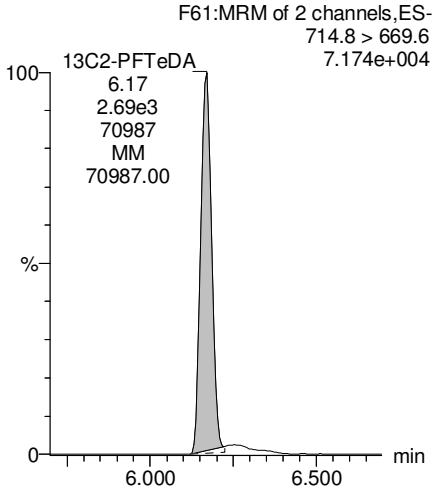

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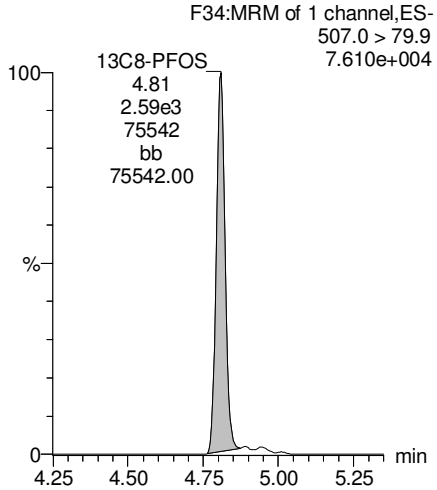

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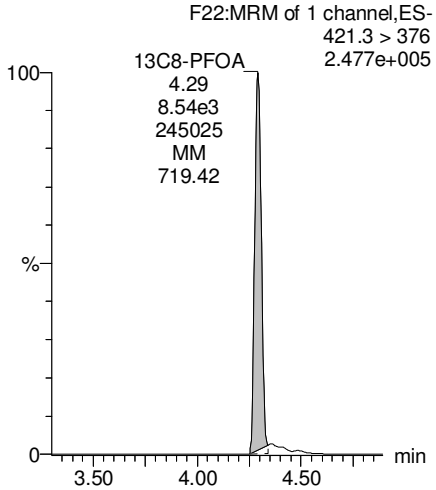

GM 3/1/2018

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Last Altered: Thursday, March 01, 2018 11:04:43 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:05:10 Pacific Standard Time

Name: 180224M1_118, Date: 25-Feb-2018, Time: 10:46:50, ID: 1800308-15 OF-FB30-0218 0.12036, Description: OF-FB30-0218

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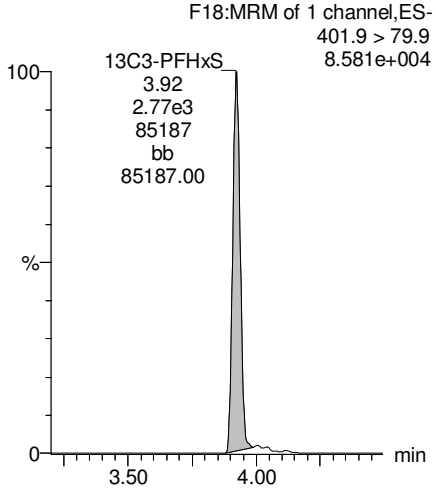

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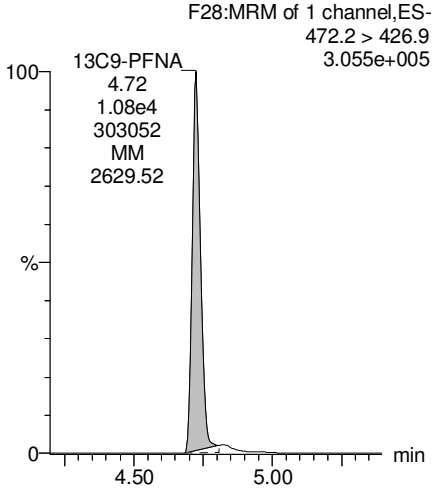

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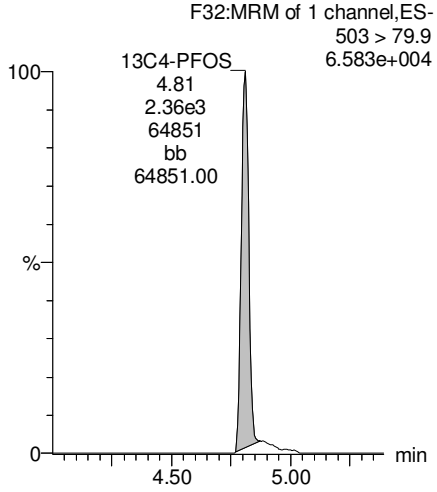

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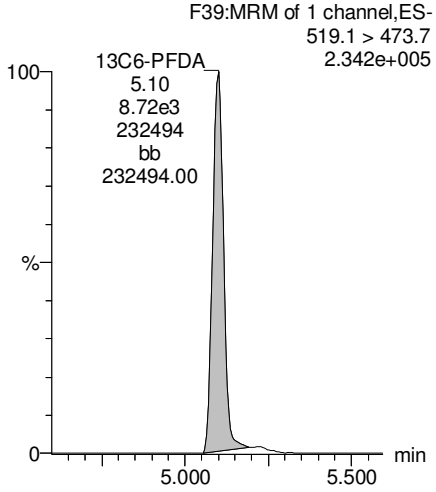
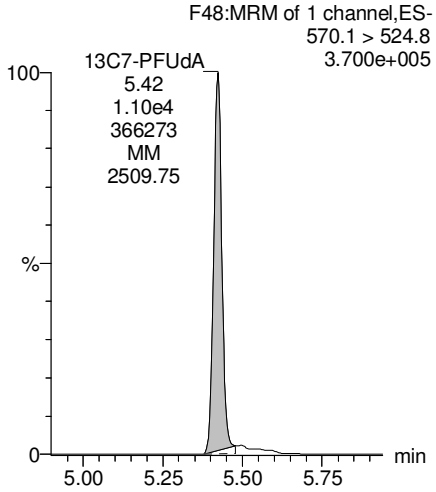


13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-47.qld

Last Altered: Thursday, March 01, 2018 11:41:09 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:44:17 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_47, Date: 28-Feb-2018, Time: 04:06:59, ID: 1800308-16 OF-RW24-0218 0.11552, Description: OF-RW24-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.28e3	0.116		2.60				
2	5	PFHxA	313.2 > 268.9		2.80e3	0.116		3.19				
3	7	PFHpA	363.0 > 318.9		6.51e3	0.116		3.81				
4	8	L-PFHxS	398.9 > 79.6	6.32e0	1.07e3	0.116		4.17	4.03	0.0737		
5	11	L-PFOA	413 > 368.7	1.68e2	1.07e4	0.116		4.40	4.41	0.196	0.4938	
6	14	PFNA	463.0 > 418.8		7.46e3	0.116		4.76				
7	16	L-PFOS	499 > 79.9		2.71e3	0.116		4.90				
8	18	PFDA	513 > 468.8		7.93e3	0.116		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.11e3	0.116		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.92e3	0.116		5.45				
11	23	PFUdA	563.0 > 518.9		1.02e4	0.116		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-47.qld

Last Altered: Thursday, March 01, 2018 11:41:09 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:44:25 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_47, Date: 28-Feb-2018, Time: 04:06:59, ID: 1800308-16 OF-RW24-0218 0.11552, Description: OF-RW24-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		1.14e4	0.116		5.74				
2	27	PFTrDA	662.9 > 618.9		1.14e4	0.116		5.98				
3	28	PFTeDA	712.9 > 668.8		5.82e3	0.116		6.20				
4	36	13C3-PFBS	302. > 98.8	1.28e3	1.02e4	0.116	0.131	2.69	2.78	1.57	103.4256	95.6
5	37	13C2-PFHxA	315 > 269.8	2.80e3	1.02e4	0.116	0.740	3.19	3.27	3.44	40.2556	93.0
6	38	13C4-PFHpA	367.2 > 321.8	6.51e3	1.02e4	0.116	0.776	3.81	3.88	7.99	89.1159	82.4
7	39	18O2-PFHxS	403.0 > 102.6	1.07e3	2.89e3	0.116	0.412	3.96	4.03	4.63	97.1279	89.8
8	40	13C2-PFOA	414.9 > 369.7	1.07e4	8.16e3	0.116	1.891	4.33	4.41	16.4	74.9409	69.3
9	41	13C5-PFNA	468.2 > 422.9	7.46e3	9.03e3	0.116	0.959	4.76	4.84	10.3	93.1359	86.1
10	42	13C8-PFOSA	506.1 > 77.7	2.16e3	1.24e4	0.116	0.308	4.83	4.90	2.17	60.9098	56.3
11	43	13C8-PFOS	507.0 > 79.9	2.71e3	2.83e3	0.116	1.096	4.84	4.92	12.0	94.4614	87.3
12	44	13C2-PFDA	515.1 > 469.9	7.93e3	1.16e4	0.116	0.926	5.14	5.21	8.55	79.9602	73.9
13	45	d3-N-MeFOSAA	573.3 > 419	3.11e3	1.24e4	0.116	0.359	5.29	5.36	3.12	75.3431	69.6
14	46	d5-N-EtFOSAA	589.3 > 419	3.92e3	1.24e4	0.116	0.435	5.45	5.52	3.94	78.3910	72.4
15	47	13C2-PFUdA	565 > 519.8	1.02e4	1.24e4	0.116	1.138	5.46	5.53	10.2	77.6298	71.7
16	48	13C2-PFDoA	615.0 > 569.7	1.14e4	1.24e4	0.116	1.059	5.74	5.82	11.5	94.0459	86.9
17	49	d3-N-MeFOSA	515.2 > 168.9		1.24e4	0.116	0.151	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	5.82e3	1.24e4	0.116	0.484	6.20	6.28	5.85	104.6609	96.7
19	51	d5-N-ETFOSA	531.1 > 168.9		1.24e4	0.116	0.215	6.22				
20	52	13C2-PFHxDA	815 > 769.7	3.82e3	1.24e4	0.116	0.741	6.51	6.61	3.84	44.8161	103.5
21	53	d7-N-MeFOSE	623.1 > 58.9		1.24e4	0.116	0.186	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.24e4	0.116	0.159	6.45				
23	55	13C4-PFBA	217. > 171.8	8.50e3	8.50e3	0.116	1.000	1.46	1.54	12.5	108.2064	100.0
24	56	13C5-PFHxA	318 > 272.9	1.02e4	1.02e4	0.116	1.000	3.19	3.27	12.5	108.2064	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.89e3	2.89e3	0.116	1.000	3.96	4.03	12.5	108.2064	100.0
26	58	13C8-PFOA	421.3 > 376	8.16e3	8.16e3	0.116	1.000	4.33	4.41	12.5	108.2064	100.0
27	59	13C9-PFNA	472.2 > 426.9	9.03e3	9.03e3	0.116	1.000	4.70	4.84	12.5	108.2064	100.0
28	60	13C4-PFOS	503 > 79.9	2.83e3	2.83e3	0.116	1.000	4.84	4.92	12.5	108.2064	100.0
29	61	13C6-PFDA	519.1 > 473.7	1.16e4	1.16e4	0.116	1.000	5.14	5.21	12.5	108.2064	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.24e4	1.24e4	0.116	1.000	5.46	5.53	12.5	108.2064	100.0
31	63	Total PFHxS	398.9 > 79.6	6.32e0	1.07e3	0.116		3.85		0.000		
32	64	Total PFOA	413 > 368.7	1.68e2	1.07e4	0.116		4.21		0.196	0.4938	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-47.qld

Last Altered: Thursday, March 01, 2018 11:41:09 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:44:25 Pacific Standard Time

Name: 180227M1_47, Date: 28-Feb-2018, Time: 04:06:59, ID: 1800308-16 OF-RW24-0218 0.11552, Description: OF-RW24-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.71e3	0.116		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.11e3	0.116		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.92e3	0.116		5.45		0.000		

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-47.qld

Last Altered: Thursday, March 01, 2018 11:41:09 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:44:25 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_47, Date: 28-Feb-2018, Time: 04:06:59, ID: 1800308-16 OF-RW24-0218 0.11552, Description: OF-RW24-0218

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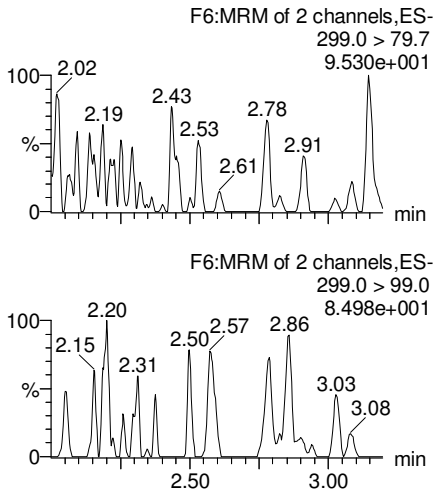

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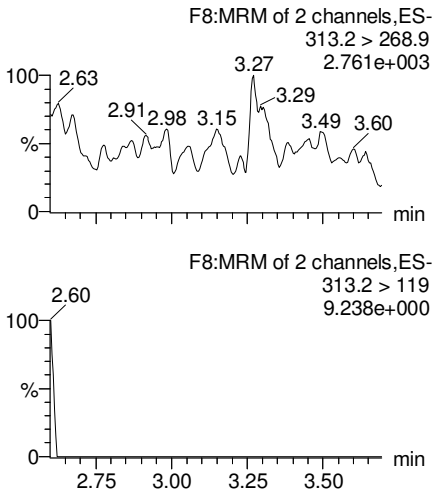

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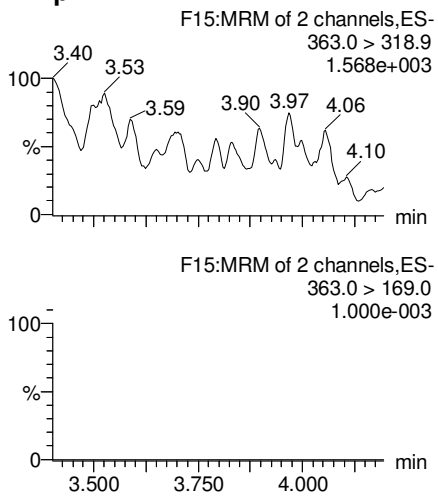

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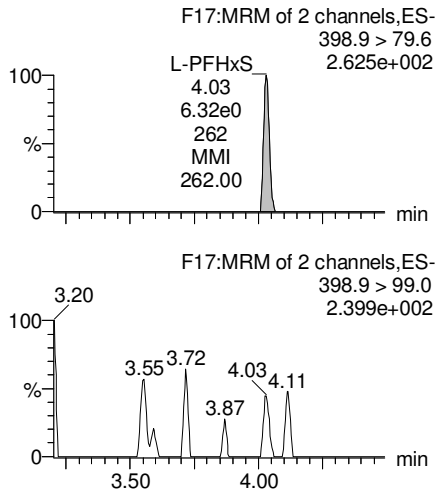

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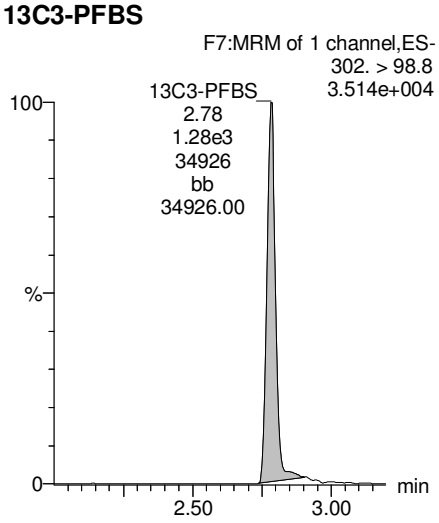

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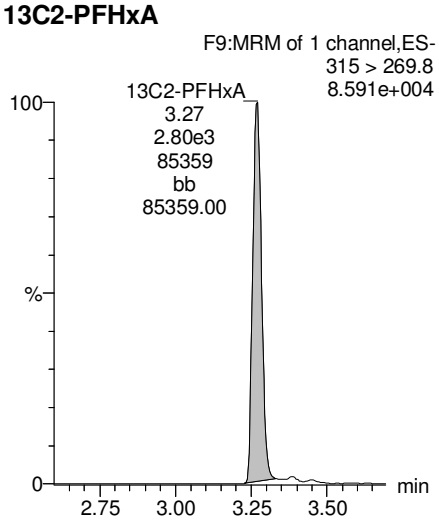

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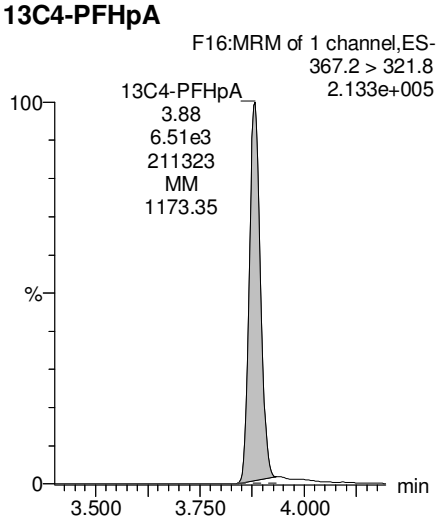

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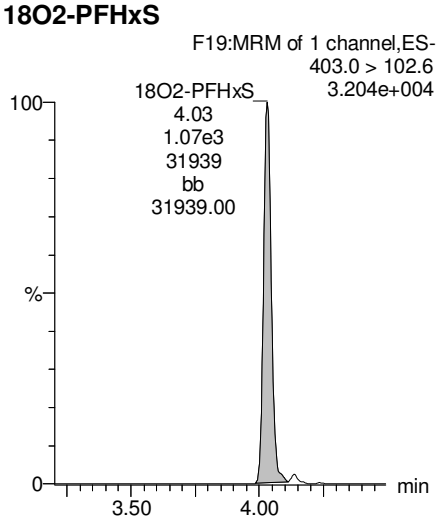

GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-47.qld

Last Altered: Thursday, March 01, 2018 11:41:09 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:44:25 Pacific Standard Time

Name: 180227M1_47, Date: 28-Feb-2018, Time: 04:06:59, ID: 1800308-16 OF-RW24-0218 0.11552, Description: OF-RW24-0218

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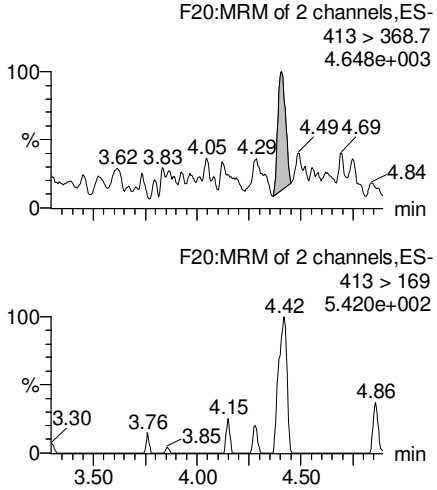

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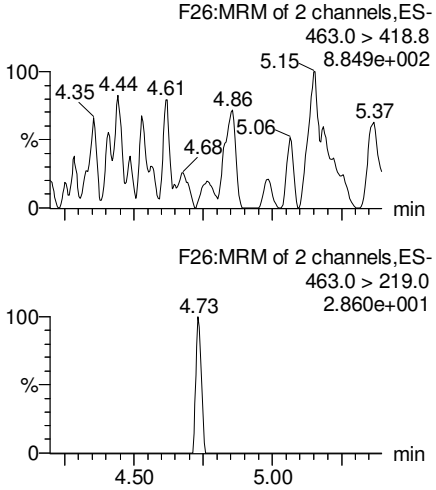

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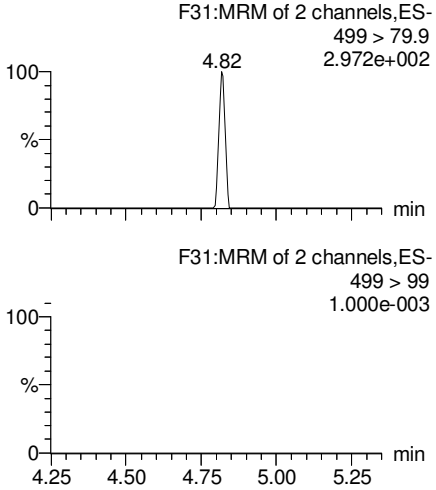

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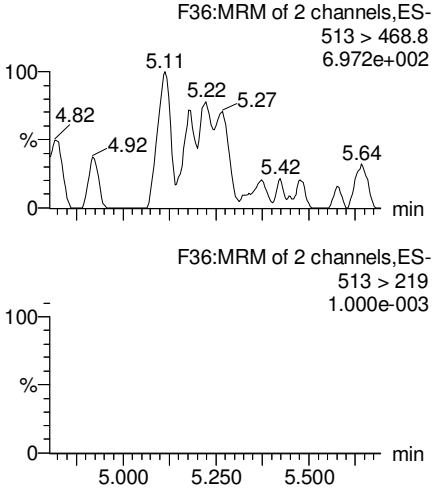

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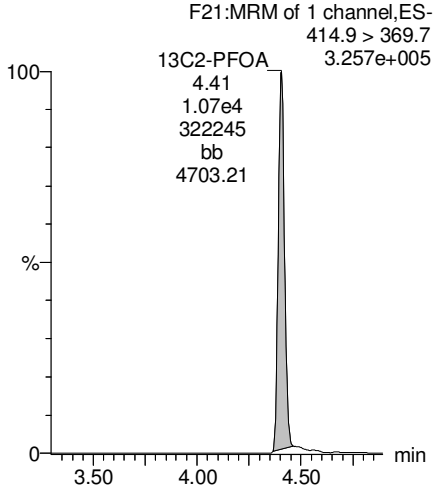

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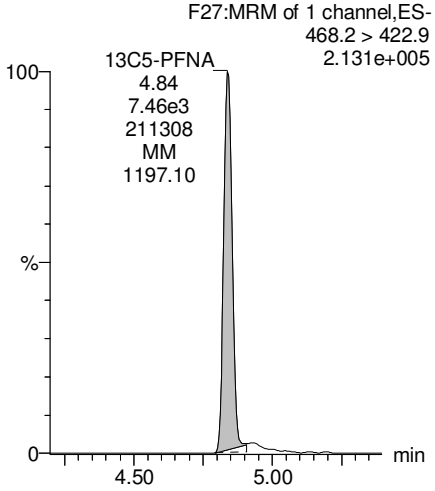

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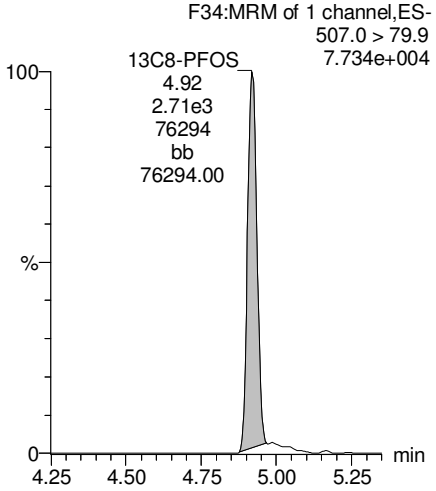

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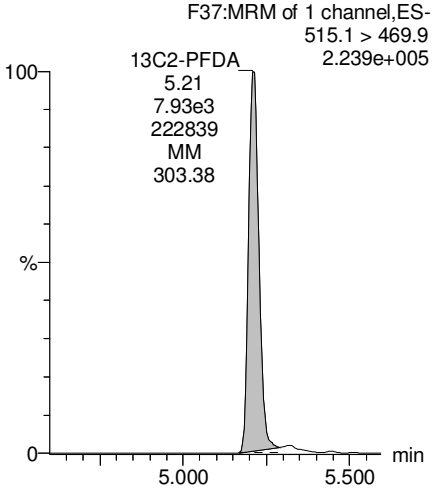


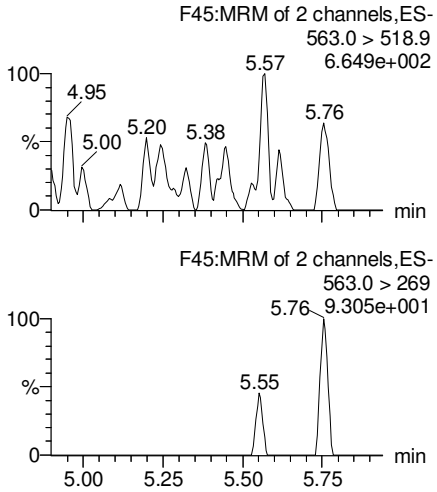
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-47.qld

Last Altered: Thursday, March 01, 2018 11:41:09 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:44:25 Pacific Standard Time

Name: 180227M1_47, Date: 28-Feb-2018, Time: 04:06:59, ID: 1800308-16 OF-RW24-0218 0.11552, Description: OF-RW24-0218

PFUdA



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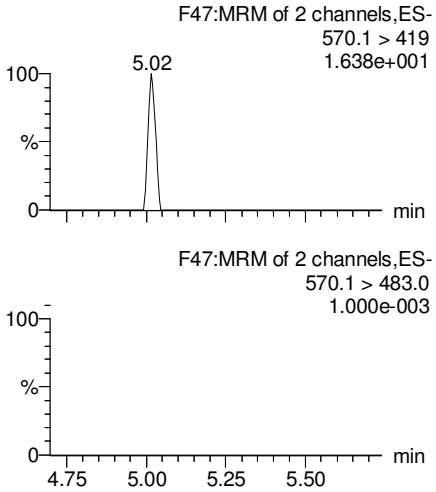

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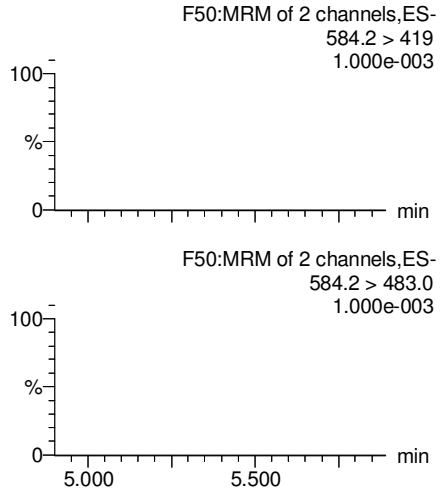

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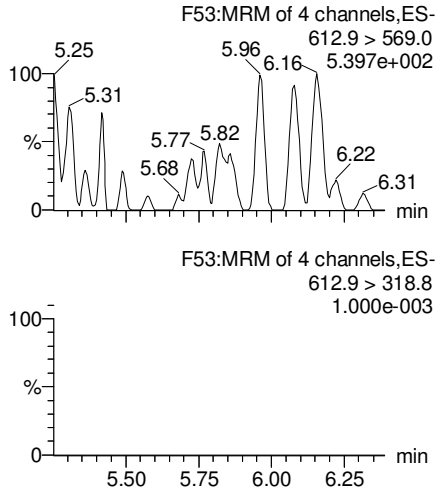

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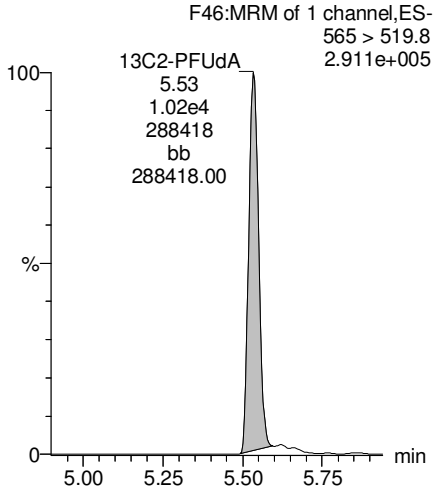

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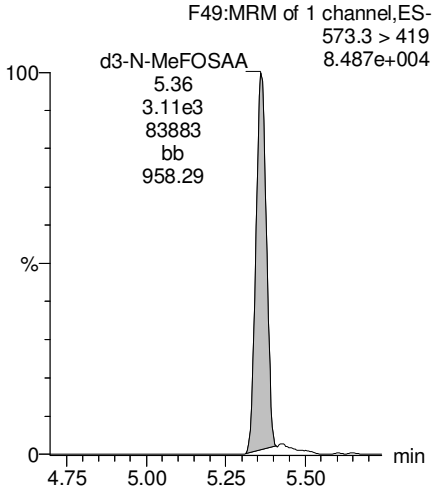

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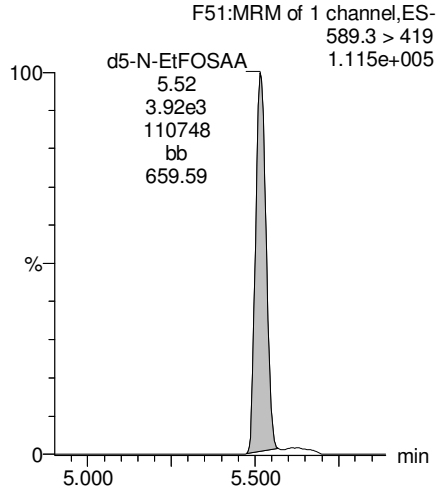

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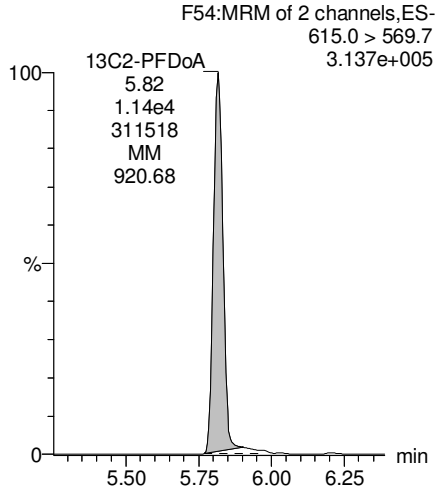

GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-47.qld

Last Altered: Thursday, March 01, 2018 11:41:09 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:44:25 Pacific Standard Time

Name: 180227M1_47, Date: 28-Feb-2018, Time: 04:06:59, ID: 1800308-16 OF-RW24-0218 0.11552, Description: OF-RW24-0218

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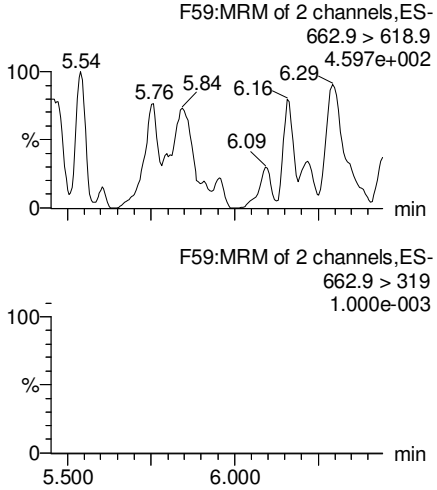

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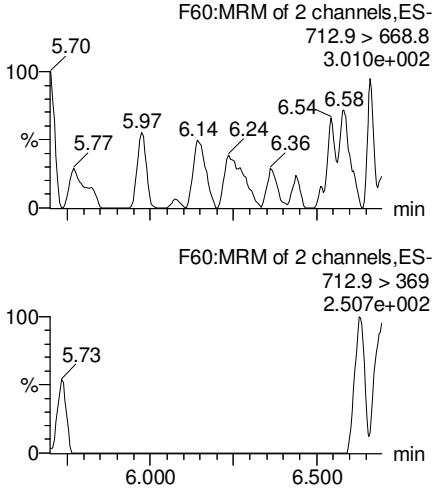

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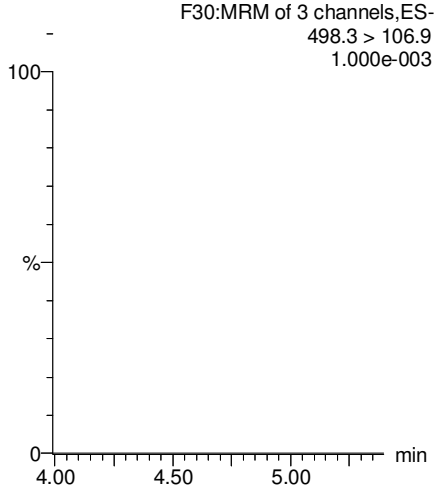

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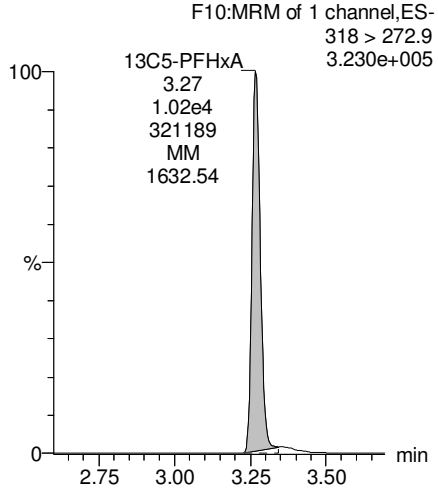

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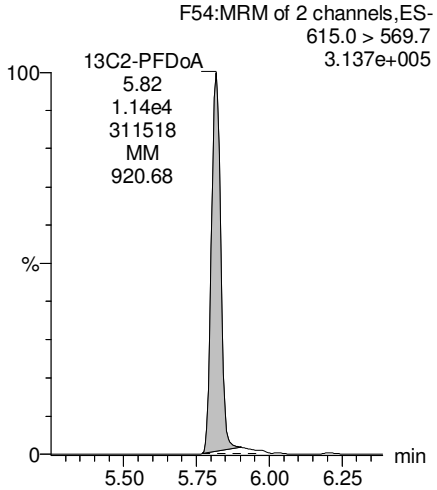
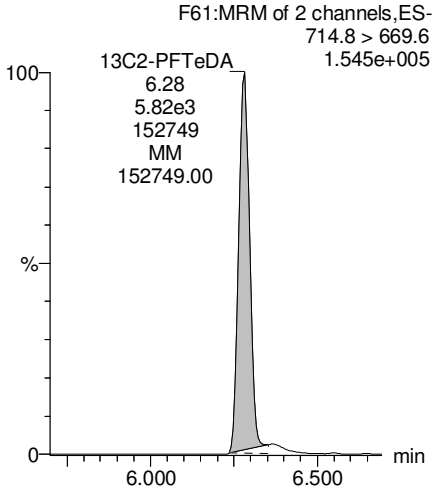
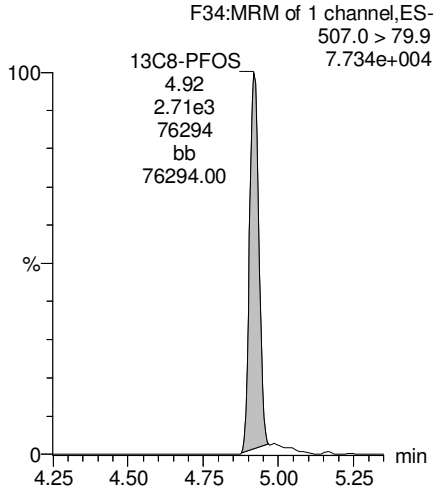


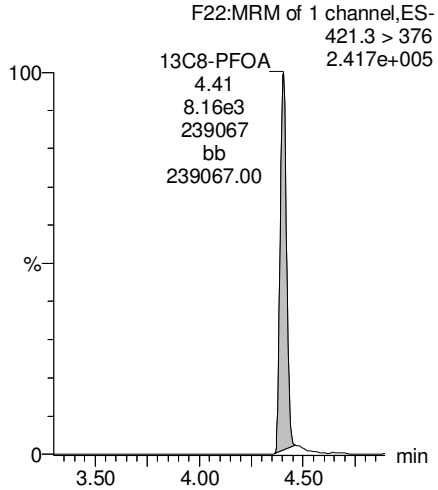
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



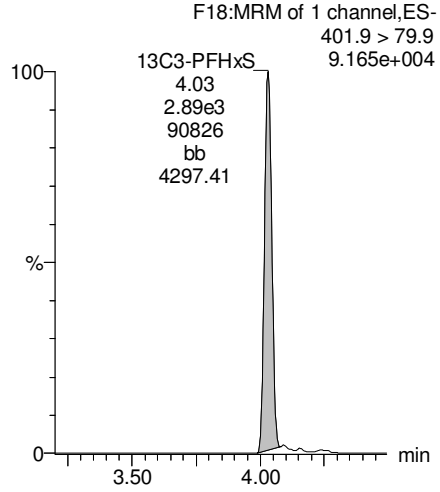
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-47.qld

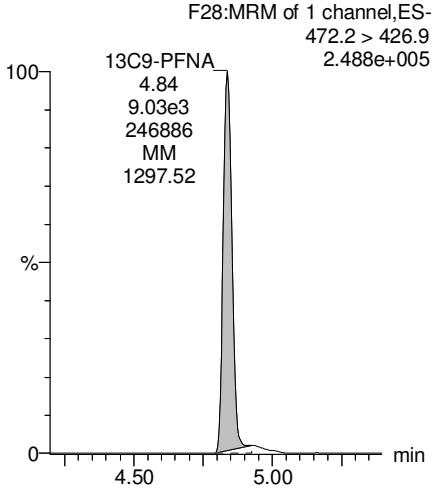
Last Altered: Thursday, March 01, 2018 11:41:09 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:44:25 Pacific Standard Time

Name: 180227M1_47, Date: 28-Feb-2018, Time: 04:06:59, ID: 1800308-16 OF-RW24-0218 0.11552, Description: OF-RW24-0218

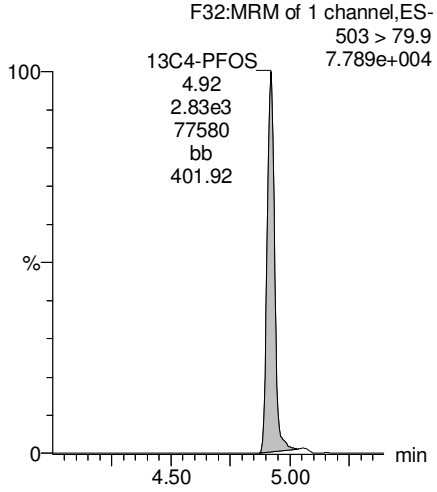
13C3-PFHxS



13C9-PFNA



13C4-PFOS



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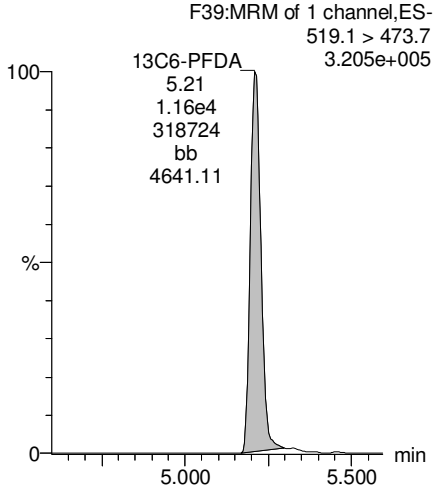
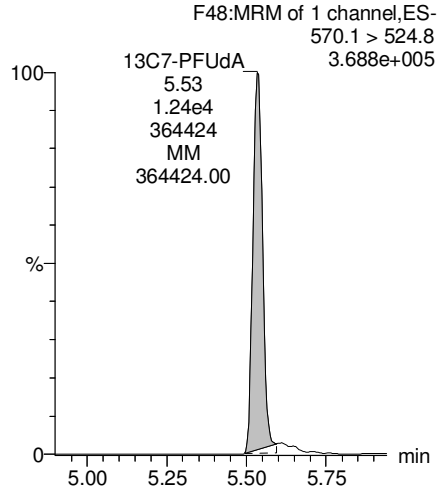


13C7-PFUdA



GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-48.qld

Last Altered: Thursday, March 01, 2018 11:47:49 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:48:02 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_48, Date: 28-Feb-2018, Time: 04:18:28, ID: 1800308-17 OF-FB24-0218 0.11631, Description: OF-FB24-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.39e3	0.116		2.60				
2	5	PFHxA	313.2 > 268.9		2.71e3	0.116		3.19				
3	7	PFHpA	363.0 > 318.9		7.44e3	0.116		3.81				
4	8	L-PFHxS	398.9 > 79.6	2.28e0	1.15e3	0.116		4.17	4.02	0.0248		
5	11	L-PFOA	413 > 368.7	2.25e2	1.08e4	0.116		4.40	4.40	0.262	1.0977	
6	14	PFNA	463.0 > 418.8		7.76e3	0.116		4.76				
7	16	L-PFOS	499 > 79.9		2.96e3	0.116		4.90				
8	18	PFDA	513 > 468.8		6.69e3	0.116		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.84e3	0.116		5.29				
10	22	N-EtFOSAA	584.2 > 419		4.23e3	0.116		5.45				
11	23	PFUdA	563.0 > 518.9	2.33e1	1.08e4	0.116		5.46	5.53	0.0269		

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-48.qld

Last Altered: Thursday, March 01, 2018 11:47:49 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:48:11 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_48, Date: 28-Feb-2018, Time: 04:18:28, ID: 1800308-17 OF-FB24-0218 0.11631, Description: OF-FB24-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		1.04e4	0.116		5.74				
2	27	PFTrDA	662.9 > 618.9		1.04e4	0.116		5.98				
3	28	PFTeDA	712.9 > 668.8		5.49e3	0.116		6.20				
4	36	13C3-PFBS	302. > 98.8	1.39e3	1.03e4	0.116	0.131	2.69	2.78	1.68	109.9250	102.3
5	37	13C2-PFHxA	315 > 269.8	2.71e3	1.03e4	0.116	0.740	3.19	3.26	3.28	38.0757	88.6
6	38	13C4-PFHpA	367.2 > 321.8	7.44e3	1.03e4	0.116	0.776	3.81	3.87	9.00	99.7311	92.8
7	39	18O2-PFHxS	403.0 > 102.6	1.15e3	3.29e3	0.116	0.412	3.96	4.02	4.36	90.8848	84.6
8	40	13C2-PFOA	414.9 > 369.7	1.08e4	7.63e3	0.116	1.891	4.33	4.40	17.6	80.1351	74.6
9	41	13C5-PFNA	468.2 > 422.9	7.76e3	1.07e4	0.116	0.959	4.76	4.83	9.06	81.2178	75.6
10	42	13C8-PFOSA	506.1 > 77.7	1.68e3	1.51e4	0.116	0.308	4.83	4.90	1.39	38.7812	36.1
11	43	13C8-PFOS	507.0 > 79.9	2.96e3	2.96e3	0.116	1.096	4.84	4.91	12.5	98.0646	91.2
12	44	13C2-PFDA	515.1 > 469.9	6.69e3	1.37e4	0.116	0.926	5.14	5.20	6.09	56.5390	52.6
13	45	d3-N-MeFOSAA	573.3 > 419	3.84e3	1.51e4	0.116	0.359	5.29	5.35	3.17	76.0253	70.7
14	46	d5-N-EtFOSAA	589.3 > 419	4.23e3	1.51e4	0.116	0.435	5.45	5.51	3.50	69.1975	64.4
15	47	13C2-PFUdA	565 > 519.8	1.08e4	1.51e4	0.116	1.138	5.46	5.52	8.95	67.6646	63.0
16	48	13C2-PFDoA	615.0 > 569.7	1.04e4	1.51e4	0.116	1.059	5.74	5.81	8.59	69.7889	64.9
17	49	d3-N-MeFOSA	515.2 > 168.9		1.51e4	0.116	0.151	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	5.49e3	1.51e4	0.116	0.484	6.20	6.27	4.53	80.5811	75.0
19	51	d5-N-ETFOSA	531.1 > 168.9		1.51e4	0.116	0.215	6.22				
20	52	13C2-PFHxDA	815 > 769.7	4.14e3	1.51e4	0.116	0.741	6.51	6.60	3.42	39.7197	92.4
21	53	d7-N-MeFOSE	623.1 > 58.9		1.51e4	0.116	0.186	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.51e4	0.116	0.159	6.45				
23	55	13C4-PFBA	217. > 171.8	9.76e3	9.76e3	0.116	1.000	1.46	1.54	12.5	107.4714	100.0
24	56	13C5-PFHxA	318 > 272.9	1.03e4	1.03e4	0.116	1.000	3.19	3.26	12.5	107.4714	100.0
25	57	13C3-PFHxS	401.9 > 79.9	3.29e3	3.29e3	0.116	1.000	3.96	4.02	12.5	107.4714	100.0
26	58	13C8-PFOA	421.3 > 376	7.63e3	7.63e3	0.116	1.000	4.33	4.40	12.5	107.4714	100.0
27	59	13C9-PFNA	472.2 > 426.9	1.07e4	1.07e4	0.116	1.000	4.70	4.83	12.5	107.4714	100.0
28	60	13C4-PFOS	503 > 79.9	2.96e3	2.96e3	0.116	1.000	4.84	4.91	12.5	107.4714	100.0
29	61	13C6-PFDA	519.1 > 473.7	1.37e4	1.37e4	0.116	1.000	5.14	5.20	12.5	107.4714	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.51e4	1.51e4	0.116	1.000	5.46	5.52	12.5	107.4714	100.0
31	63	Total PFHxS	398.9 > 79.6	2.28e0	1.15e3	0.116		3.85		0.000		
32	64	Total PFOA	413 > 368.7	2.25e2	1.08e4	0.116		4.21		0.262	1.0977	

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-48.qld

Last Altered: Thursday, March 01, 2018 11:47:49 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:48:11 Pacific Standard Time

Name: 180227M1_48, Date: 28-Feb-2018, Time: 04:18:28, ID: 1800308-17 OF-FB24-0218 0.11631, Description: OF-FB24-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.96e3	0.116		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.84e3	0.116		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	4.23e3	0.116		5.45		0.000		

GM 3/1/2018

Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-48.qld

Last Altered: Thursday, March 01, 2018 11:47:49 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:48:11 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_48, Date: 28-Feb-2018, Time: 04:18:28, ID: 1800308-17 OF-FB24-0218 0.11631, Description: OF-FB24-0218

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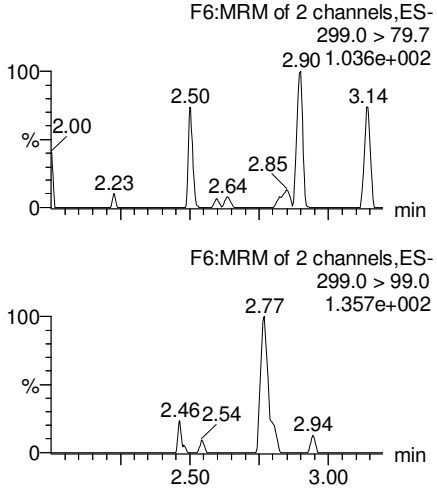

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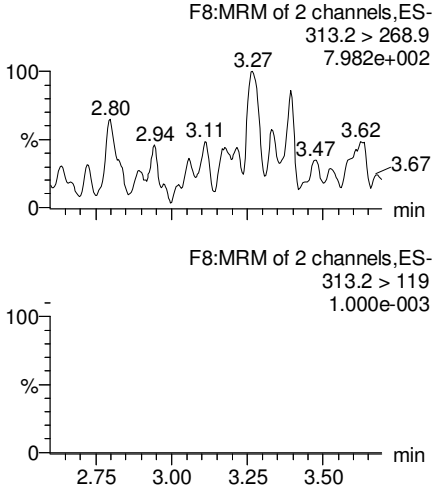

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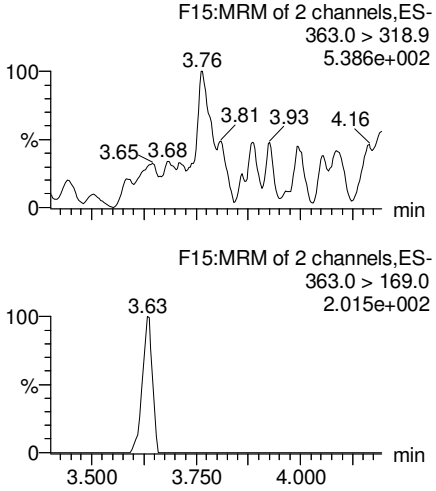

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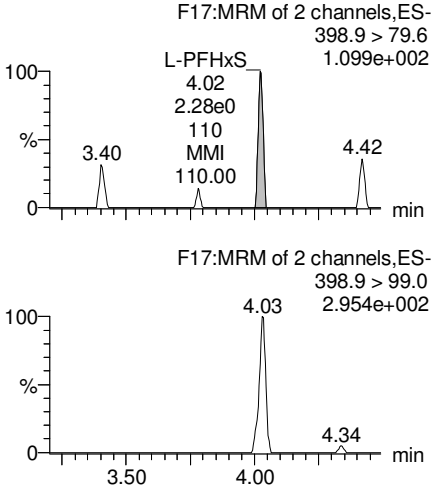

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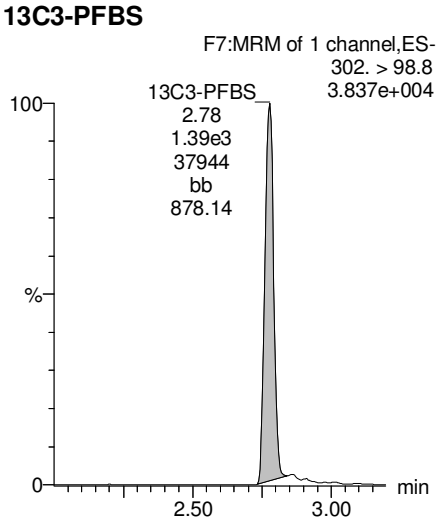

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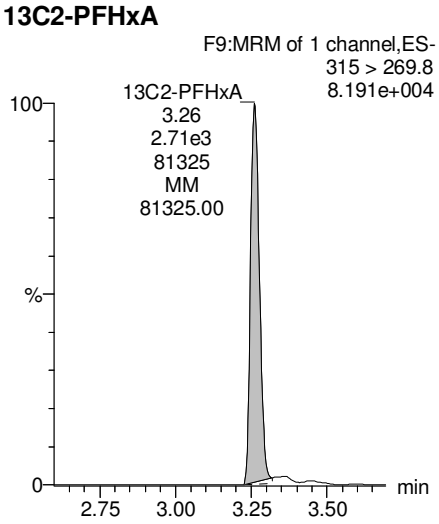

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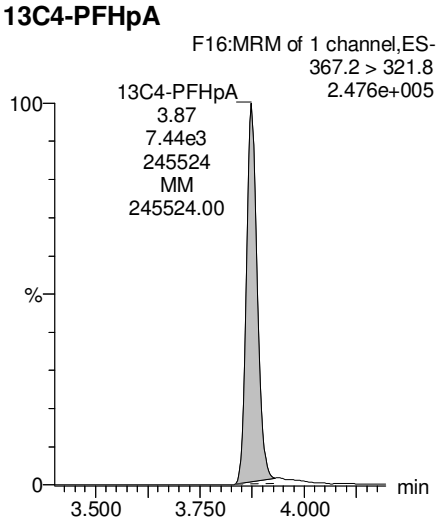

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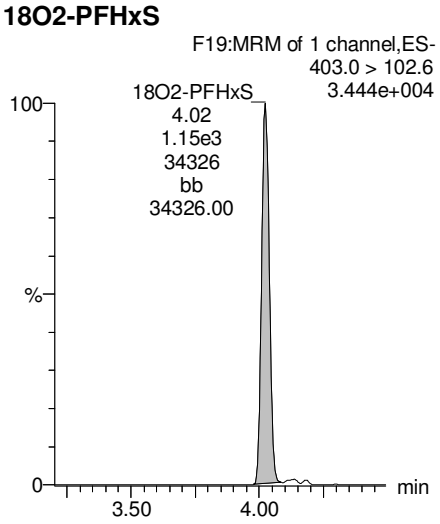


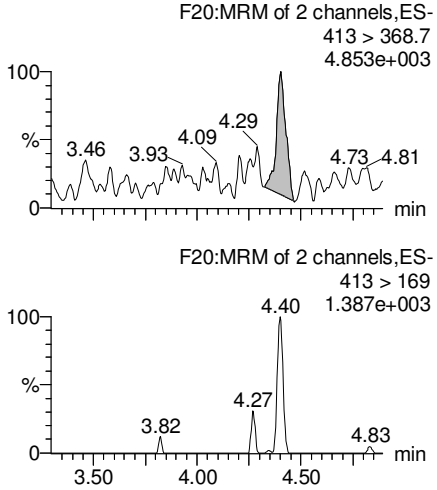
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-48.qld

Last Altered: Thursday, March 01, 2018 11:47:49 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:48:11 Pacific Standard Time

Name: 180227M1_48, Date: 28-Feb-2018, Time: 04:18:28, ID: 1800308-17 OF-FB24-0218 0.11631, Description: OF-FB24-0218

Total PFOA



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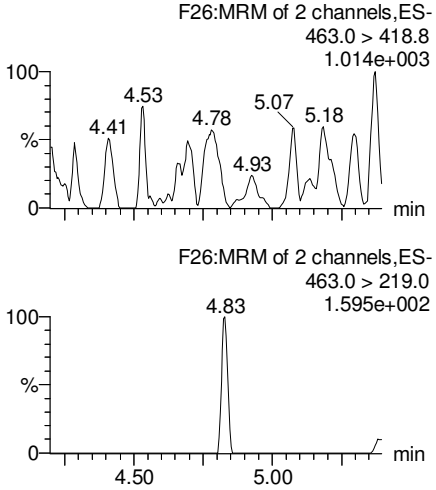

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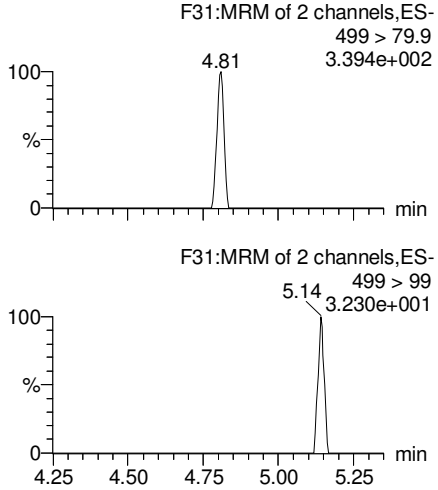

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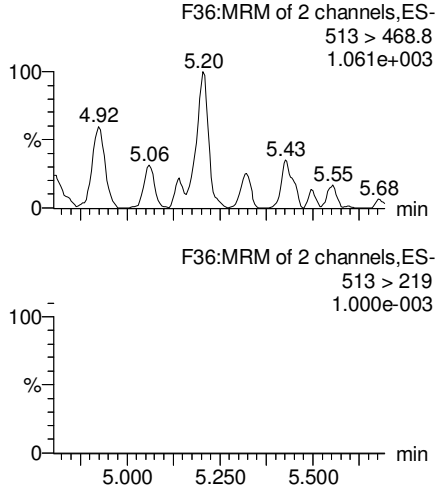

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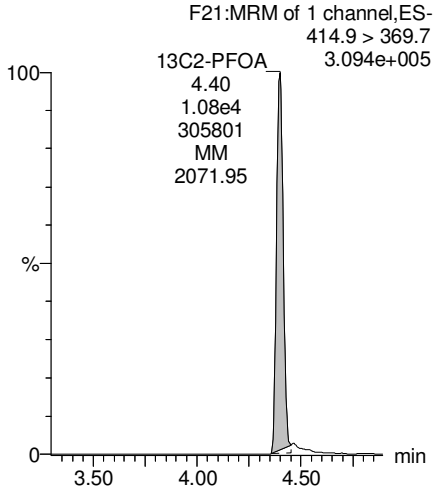

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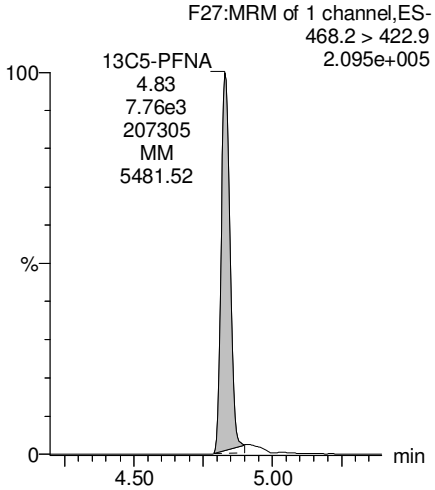

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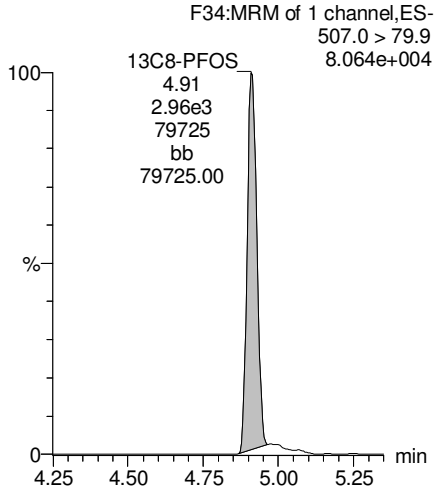

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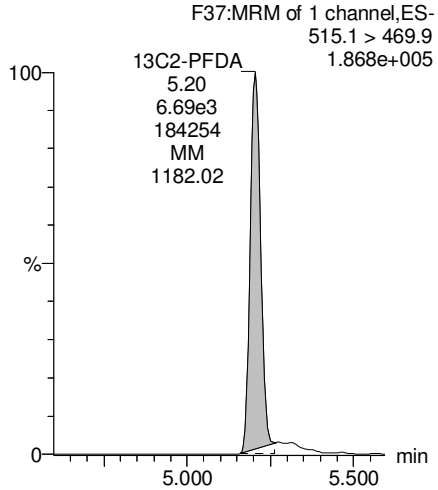


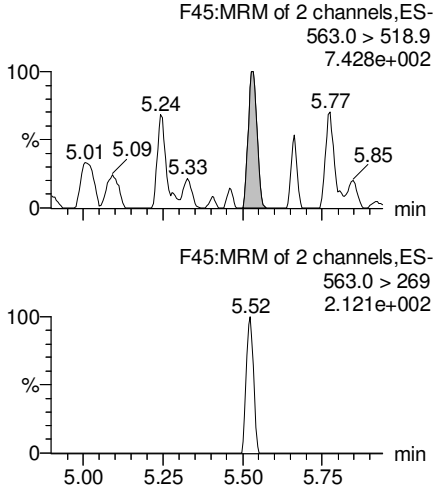
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-48.qld

Last Altered: Thursday, March 01, 2018 11:47:49 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:48:11 Pacific Standard Time

Name: 180227M1_48, Date: 28-Feb-2018, Time: 04:18:28, ID: 1800308-17 OF-FB24-0218 0.11631, Description: OF-FB24-0218

PFUdA



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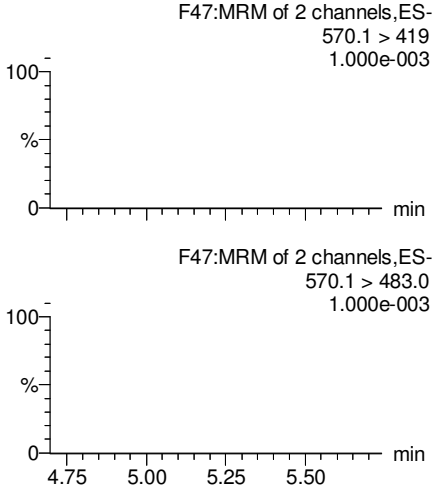

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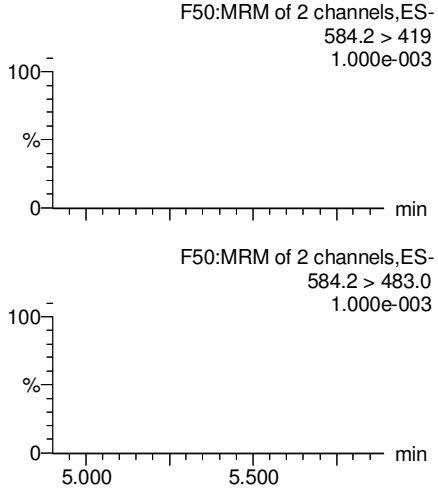

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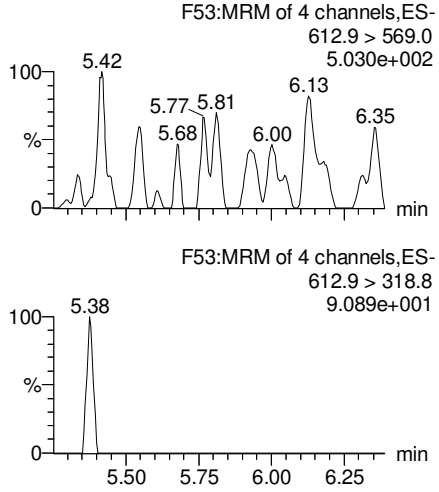

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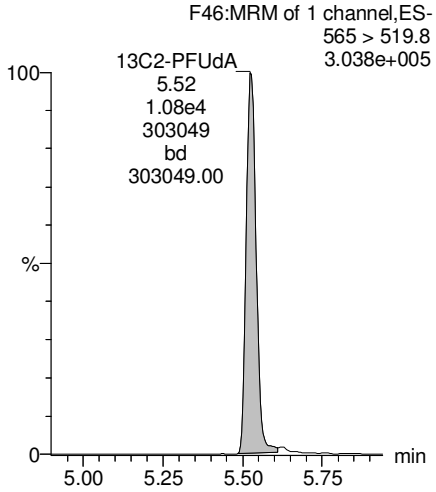

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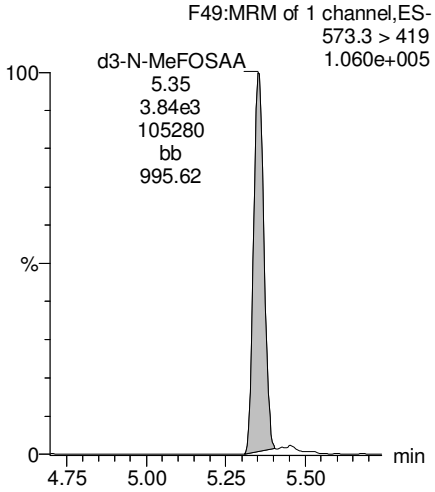

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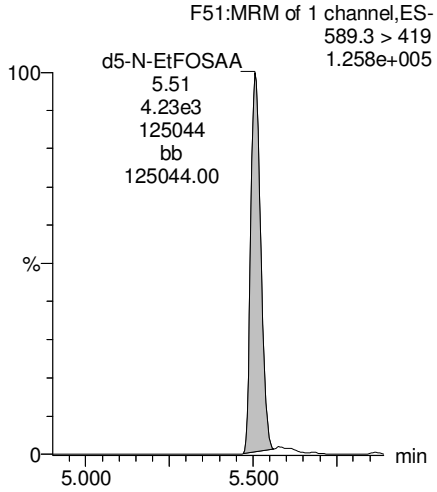
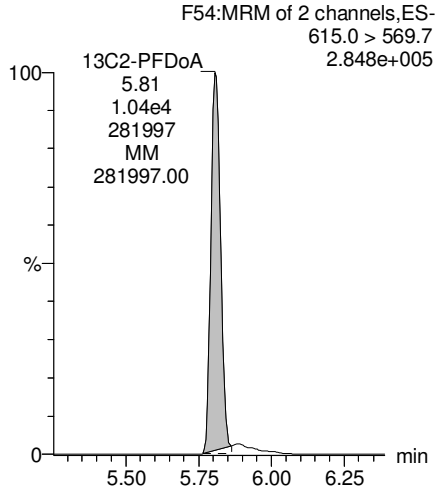


13C2-PFDoA



GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-48.qld

Last Altered: Thursday, March 01, 2018 11:47:49 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:48:11 Pacific Standard Time

Name: 180227M1_48, Date: 28-Feb-2018, Time: 04:18:28, ID: 1800308-17 OF-FB24-0218 0.11631, Description: OF-FB24-0218

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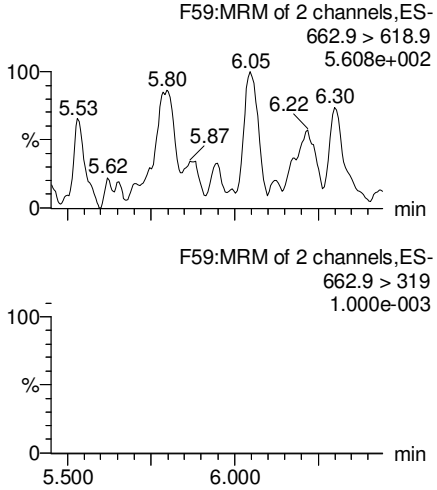

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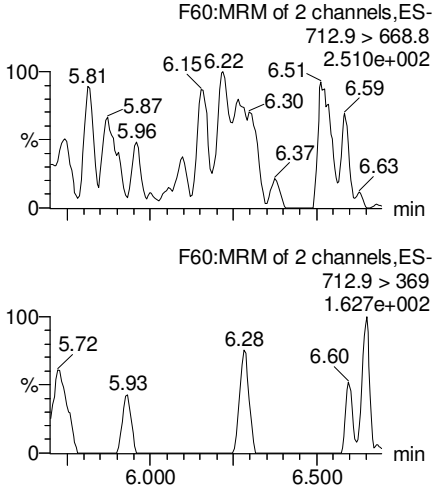

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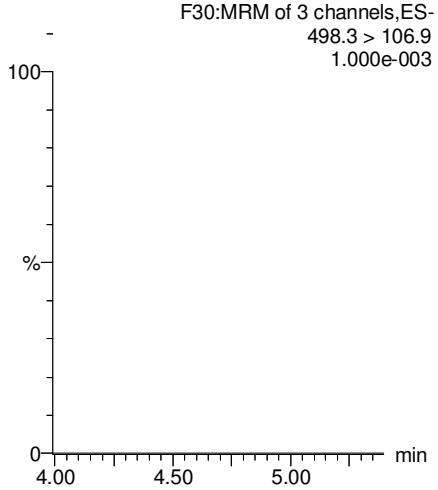
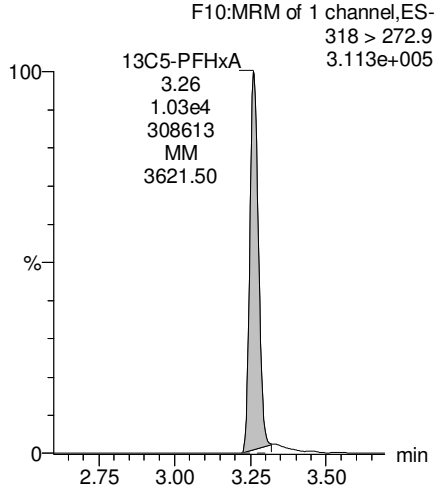


13C5-PFHxA



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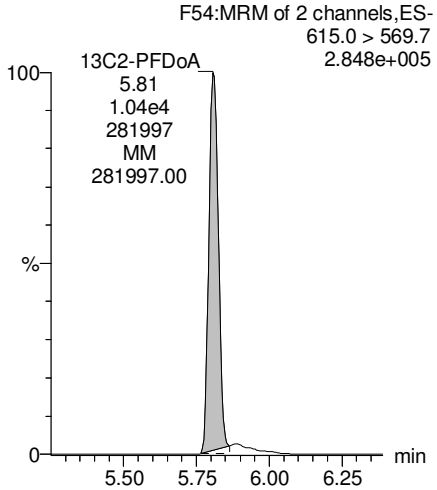

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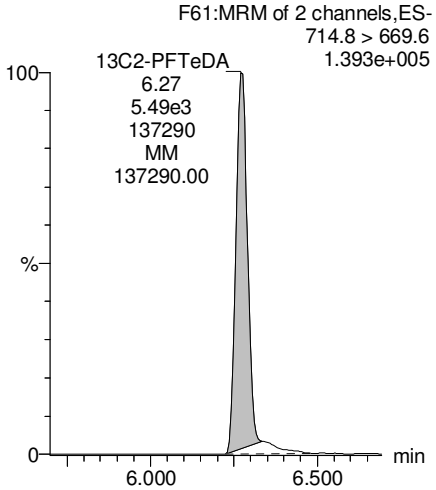
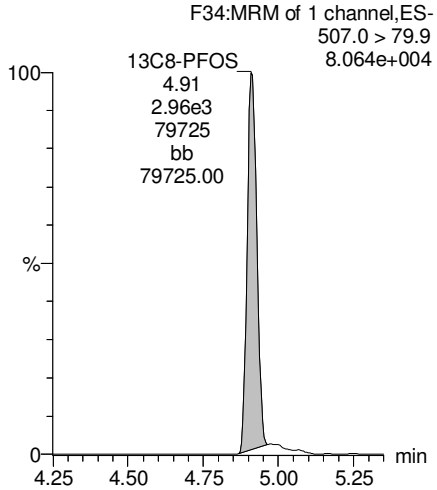


13C8-PFOS



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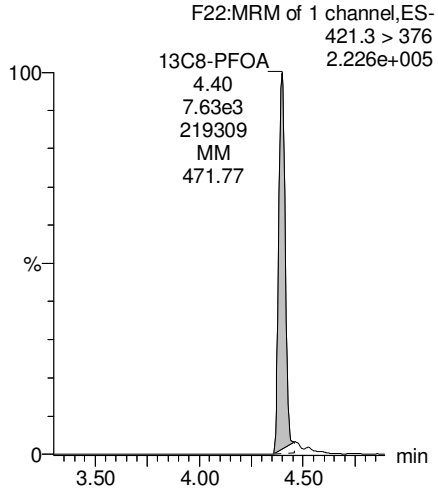

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Vista Analytical Laboratory

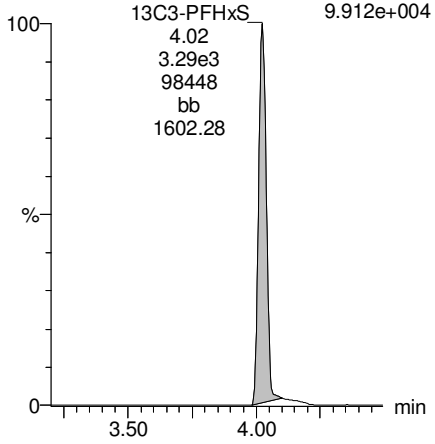
Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-48.qld

Last Altered: Thursday, March 01, 2018 11:47:49 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:48:11 Pacific Standard Time

Name: 180227M1_48, Date: 28-Feb-2018, Time: 04:18:28, ID: 1800308-17 OF-FB24-0218 0.11631, Description: OF-FB24-0218

13C3-PFHxS



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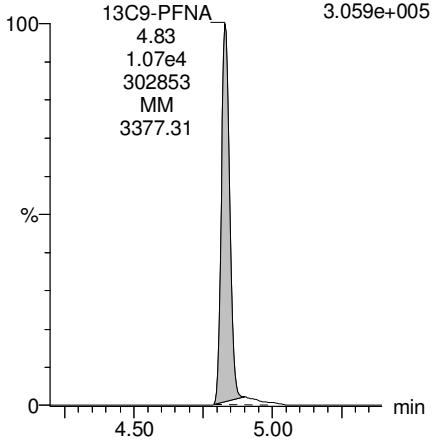

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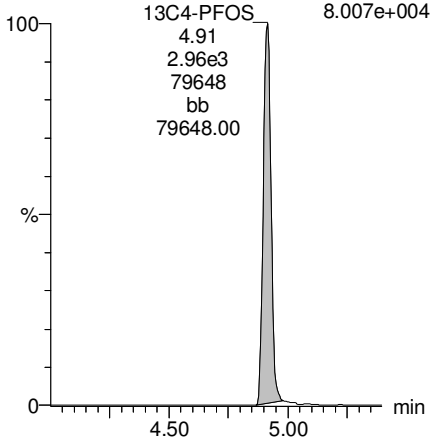

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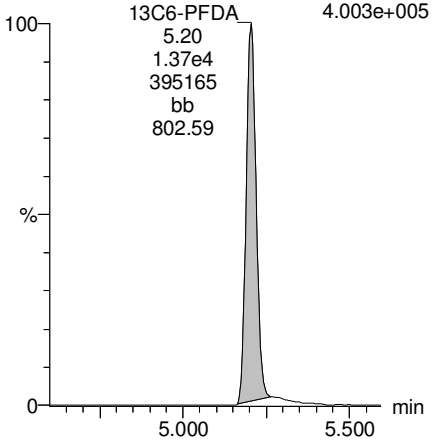

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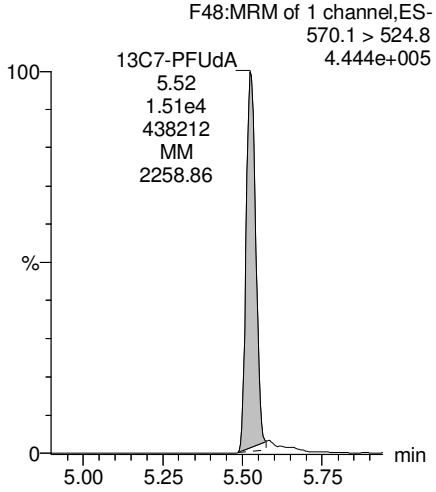

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-49.qld

Last Altered: Thursday, March 01, 2018 11:50:26 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:50:47 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_49, Date: 28-Feb-2018, Time: 04:29:50, ID: 1800308-18 OF-RW46-0218 0.11424, Description: OF-RW46-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.59e3	0.114		2.60				
2	5	PFHxA	313.2 > 268.9		2.69e3	0.114		3.19				
3	7	PFHpA	363.0 > 318.9		6.95e3	0.114		3.81				
4	8	L-PFHxS	398.9 > 79.6	7.68e0	1.15e3	0.114		4.17	4.01	0.0838		
5	11	L-PFOA	413 > 368.7	1.50e2	1.22e4	0.114		4.40	4.40	0.154	0.1003	
6	14	PFNA	463.0 > 418.8		9.26e3	0.114		4.76				
7	16	L-PFOS	499 > 79.9		2.80e3	0.114		4.90				
8	18	PFDA	513 > 468.8		9.61e3	0.114		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.33e3	0.114		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.80e3	0.114		5.45				
11	23	PFUdA	563.0 > 518.9		1.16e4	0.114		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-49.qld

Last Altered: Thursday, March 01, 2018 11:50:26 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:50:55 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_49, Date: 28-Feb-2018, Time: 04:29:50, ID: 1800308-18 OF-RW46-0218 0.11424, Description: OF-RW46-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		1.05e4	0.114		5.74				
2	27	PFTrDA	662.9 > 618.9		1.05e4	0.114		5.98				
3	28	PFTeDA	712.9 > 668.8		5.09e3	0.114		6.20				
4	36	13C3-PFBS	302. > 98.8	1.59e3	1.08e4	0.114	0.131	2.69	2.77	1.84	122.4460	111.9
5	37	13C2-PFHxA	315 > 269.8	2.69e3	1.08e4	0.114	0.740	3.19	3.26	3.11	36.8249	84.1
6	38	13C4-PFHpA	367.2 > 321.8	6.95e3	1.08e4	0.114	0.776	3.81	3.87	8.04	90.6928	82.9
7	39	18O2-PFHxS	403.0 > 102.6	1.15e3	3.24e3	0.114	0.412	3.96	4.02	4.42	93.8224	85.7
8	40	13C2-PFOA	414.9 > 369.7	1.22e4	1.02e4	0.114	1.891	4.33	4.39	15.0	69.2037	63.2
9	41	13C5-PFNA	468.2 > 422.9	9.26e3	1.01e4	0.114	0.959	4.76	4.83	11.5	105.0198	96.0
10	42	13C8-PFOSA	506.1 > 77.7	2.39e3	1.25e4	0.114	0.308	4.83	4.90	2.39	67.9485	62.1
11	43	13C8-PFOS	507.0 > 79.9	2.80e3	2.74e3	0.114	1.096	4.84	4.90	12.8	101.9707	93.2
12	44	13C2-PFDA	515.1 > 469.9	9.61e3	1.28e4	0.114	0.926	5.14	5.20	9.39	88.7745	81.1
13	45	d3-N-MeFOSAA	573.3 > 419	3.33e3	1.25e4	0.114	0.359	5.29	5.35	3.33	81.2091	74.2
14	46	d5-N-EtFOSAA	589.3 > 419	3.80e3	1.25e4	0.114	0.435	5.45	5.51	3.79	76.3226	69.8
15	47	13C2-PFUdA	565 > 519.8	1.16e4	1.25e4	0.114	1.138	5.46	5.52	11.5	88.7740	81.1
16	48	13C2-PFDoA	615.0 > 569.7	1.05e4	1.25e4	0.114	1.059	5.74	5.80	10.5	87.0562	79.6
17	49	d3-N-MeFOSA	515.2 > 168.9		1.25e4	0.114	0.151	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	5.09e3	1.25e4	0.114	0.484	6.20	6.27	5.08	91.8941	84.0
19	51	d5-N-ETFOSA	531.1 > 168.9		1.25e4	0.114	0.215	6.22				
20	52	13C2-PFHxDA	815 > 769.7	4.09e3	1.25e4	0.114	0.741	6.51	6.59	4.08	48.2143	110.2
21	53	d7-N-MeFOSE	623.1 > 58.9		1.25e4	0.114	0.186	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		1.25e4	0.114	0.159	6.45				
23	55	13C4-PFBA	217. > 171.8	1.08e4	1.08e4	0.114	1.000	1.46	1.53	12.5	109.4188	100.0
24	56	13C5-PFHxA	318 > 272.9	1.08e4	1.08e4	0.114	1.000	3.19	3.26	12.5	109.4188	100.0
25	57	13C3-PFHxS	401.9 > 79.9	3.24e3	3.24e3	0.114	1.000	3.96	4.02	12.5	109.4188	100.0
26	58	13C8-PFOA	421.3 > 376	1.02e4	1.02e4	0.114	1.000	4.33	4.39	12.5	109.4188	100.0
27	59	13C9-PFNA	472.2 > 426.9	1.01e4	1.01e4	0.114	1.000	4.70	4.83	12.5	109.4188	100.0
28	60	13C4-PFOS	503 > 79.9	2.74e3	2.74e3	0.114	1.000	4.84	4.91	12.5	109.4188	100.0
29	61	13C6-PFDA	519.1 > 473.7	1.28e4	1.28e4	0.114	1.000	5.14	5.20	12.5	109.4188	100.0
30	62	13C7-PFUdA	570.1 > 524.8	1.25e4	1.25e4	0.114	1.000	5.46	5.52	12.5	109.4188	100.0
31	63	Total PFHxS	398.9 > 79.6	7.68e0	1.15e3	0.114		3.85		0.000		
32	64	Total PFOA	413 > 368.7	1.50e2	1.22e4	0.114		4.21		0.154	0.1003	

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-49.qld

Last Altered: Thursday, March 01, 2018 11:50:26 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:50:55 Pacific Standard Time

Name: 180227M1_49, Date: 28-Feb-2018, Time: 04:29:50, ID: 1800308-18 OF-RW46-0218 0.11424, Description: OF-RW46-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.80e3	0.114		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.33e3	0.114		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.80e3	0.114		5.45		0.000		

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-49.qld

Last Altered: Thursday, March 01, 2018 11:50:26 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:50:55 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_49, Date: 28-Feb-2018, Time: 04:29:50, ID: 1800308-18 OF-RW46-0218 0.11424, Description: OF-RW46-0218

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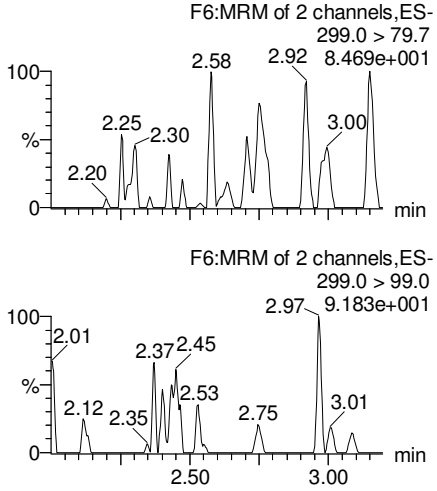

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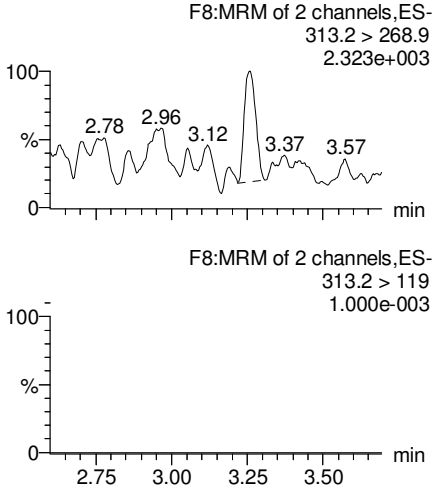

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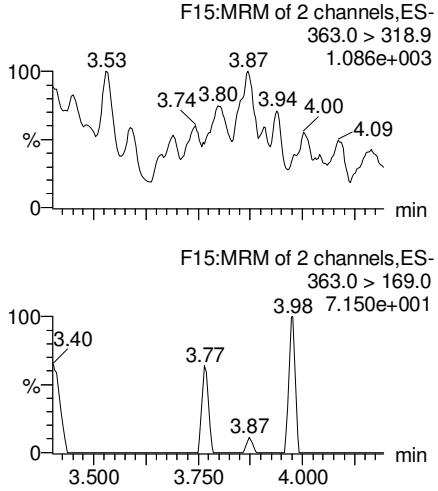

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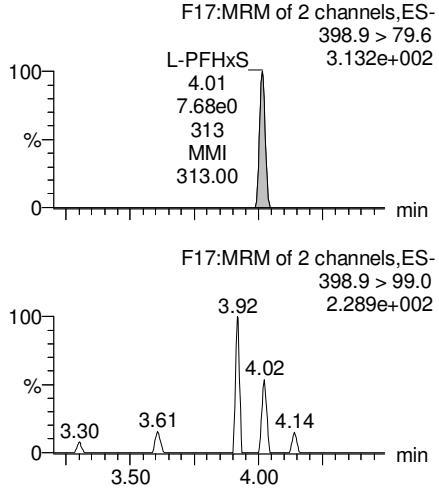

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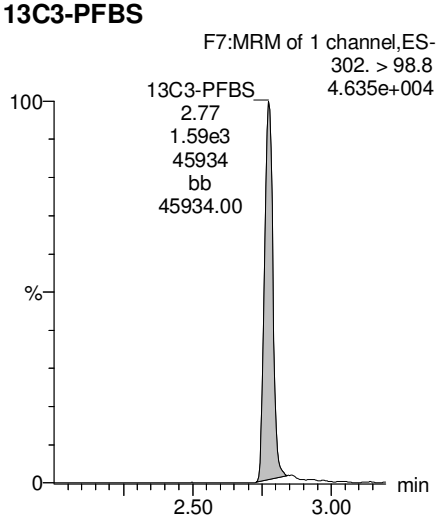

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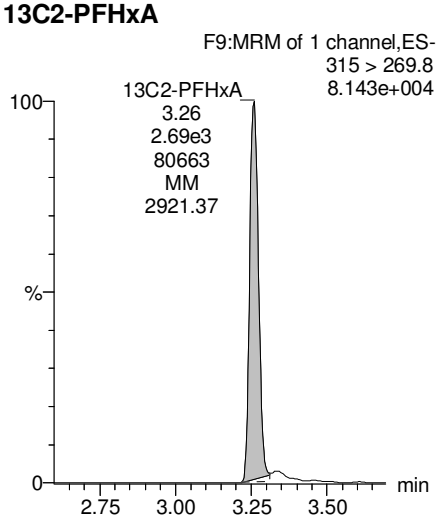

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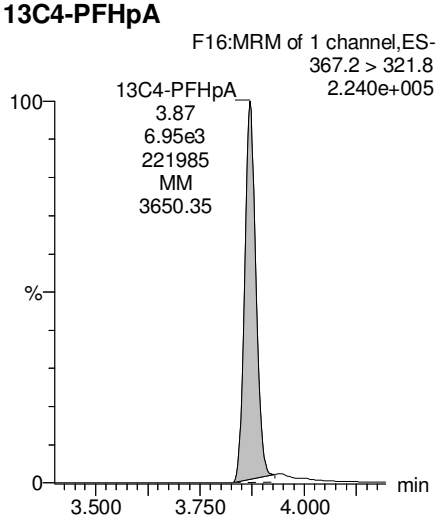

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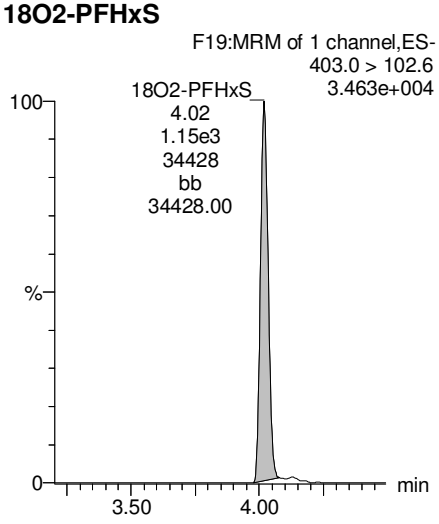


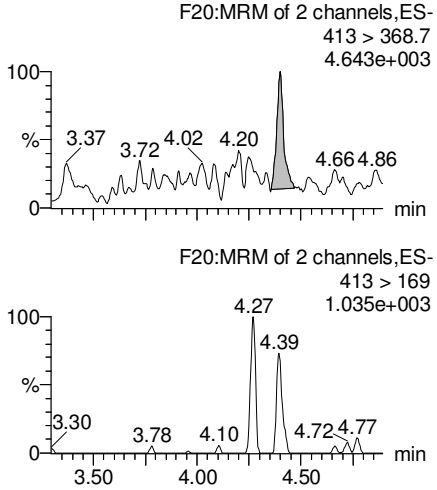
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-49.qld

Last Altered: Thursday, March 01, 2018 11:50:26 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:50:55 Pacific Standard Time

Name: 180227M1_49, Date: 28-Feb-2018, Time: 04:29:50, ID: 1800308-18 OF-RW46-0218 0.11424, Description: OF-RW46-0218

Total PFOA



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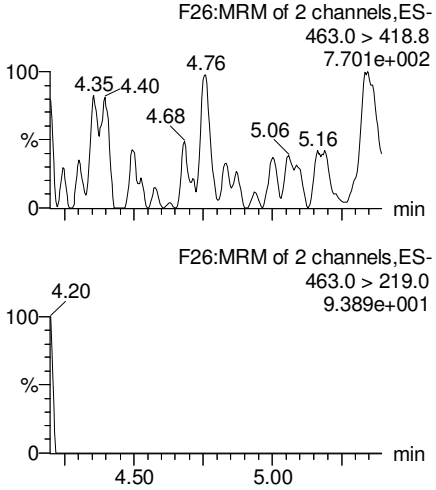

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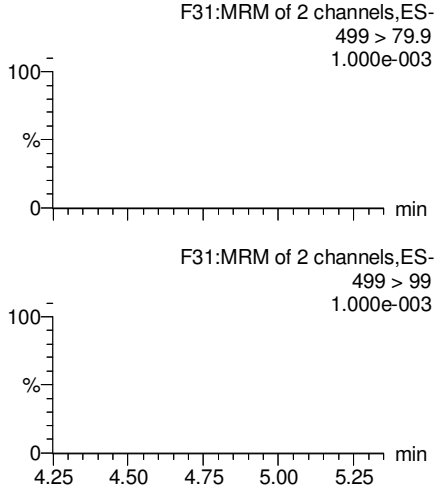

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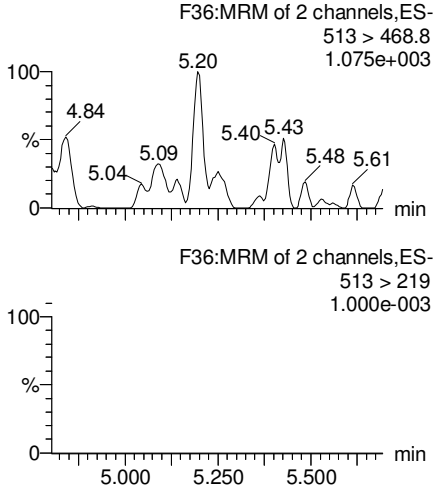
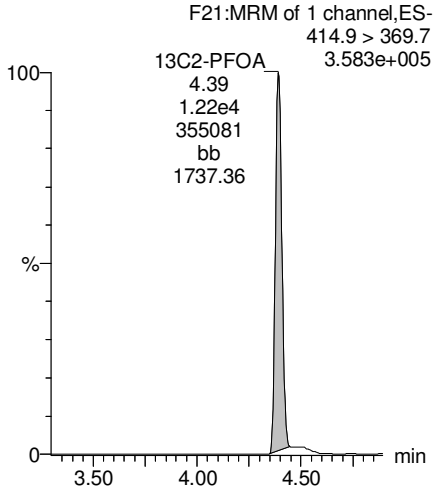
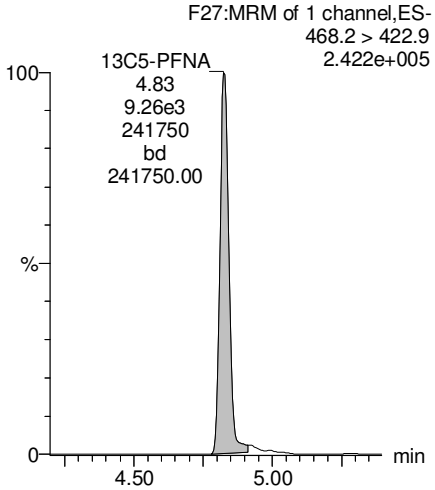


13C2-PFOA



13C5-PFNA



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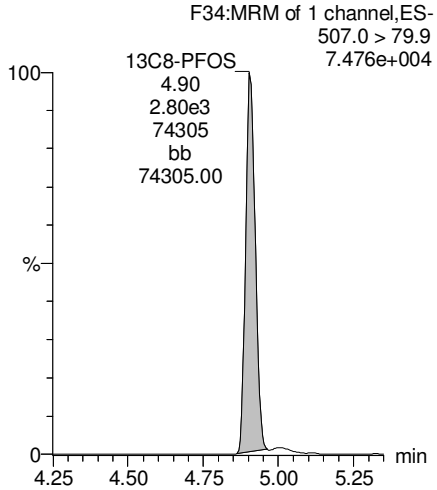

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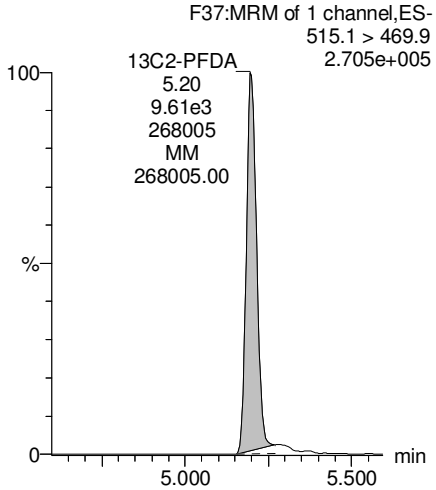


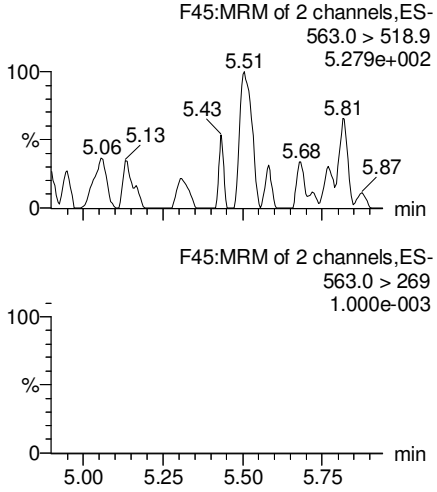
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-49.qld

Last Altered: Thursday, March 01, 2018 11:50:26 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:50:55 Pacific Standard Time

Name: 180227M1_49, Date: 28-Feb-2018, Time: 04:29:50, ID: 1800308-18 OF-RW46-0218 0.11424, Description: OF-RW46-0218

PFUdA



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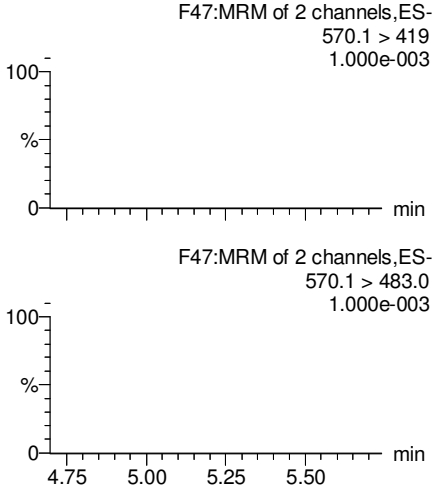

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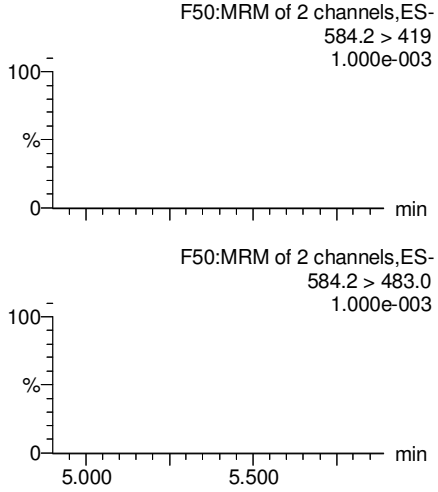

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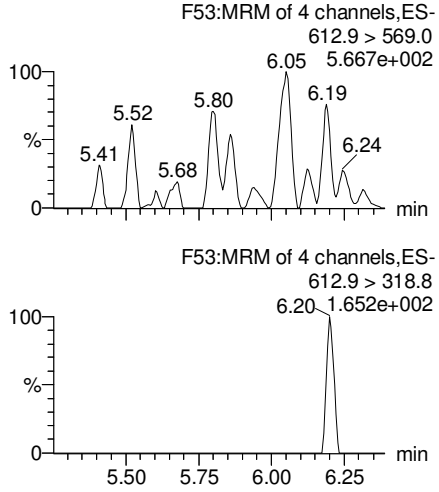

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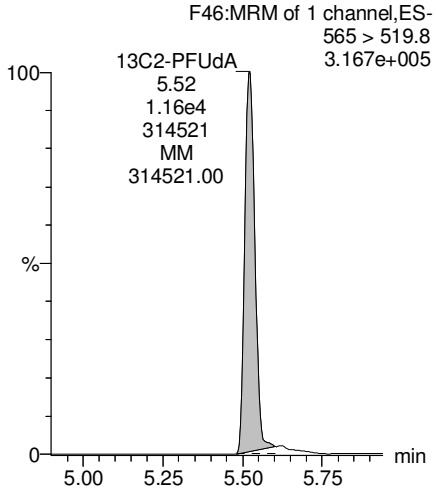

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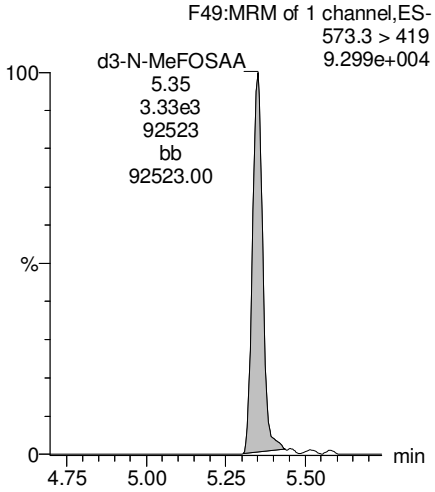

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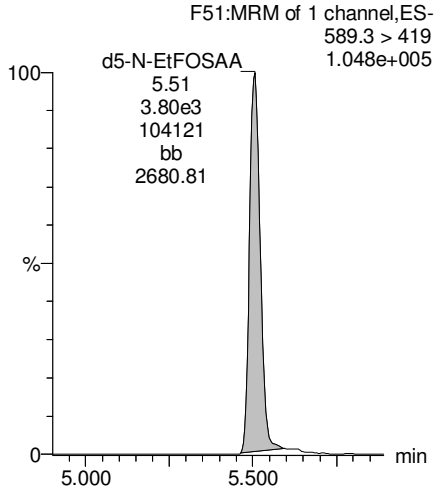

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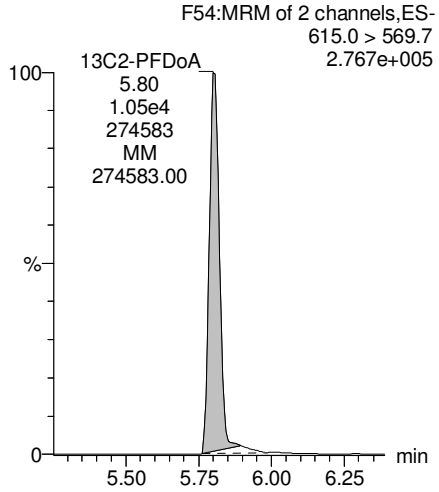

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Vista Analytical Laboratory

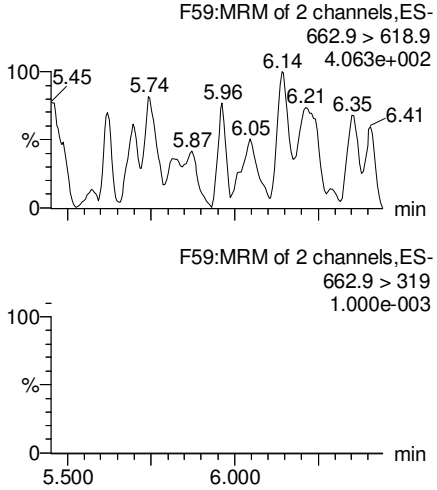
Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-49.qld

Last Altered: Thursday, March 01, 2018 11:50:26 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:50:55 Pacific Standard Time

Name: 180227M1_49, Date: 28-Feb-2018, Time: 04:29:50, ID: 1800308-18 OF-RW46-0218 0.11424, Description: OF-RW46-0218

PFTrDA



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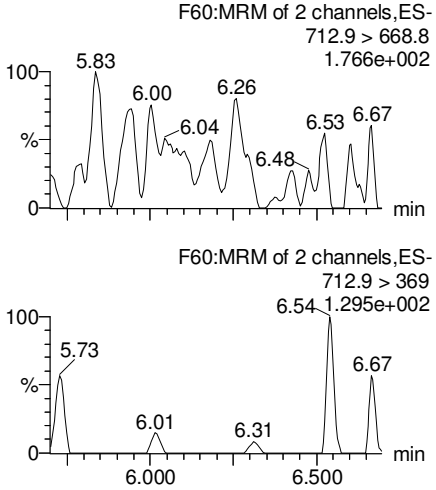

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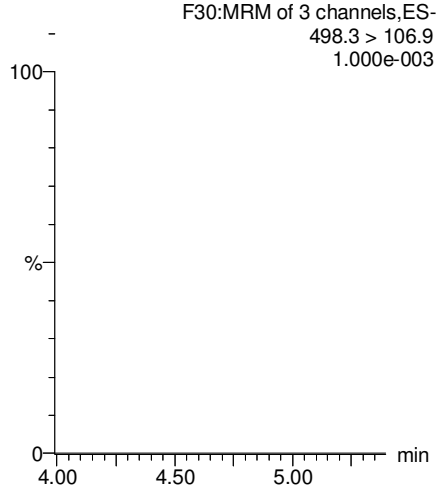
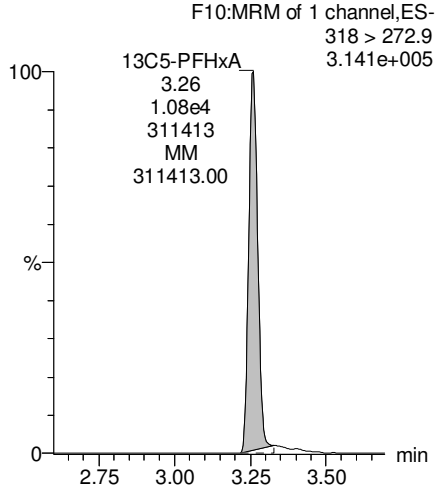


13C5-PFHxA



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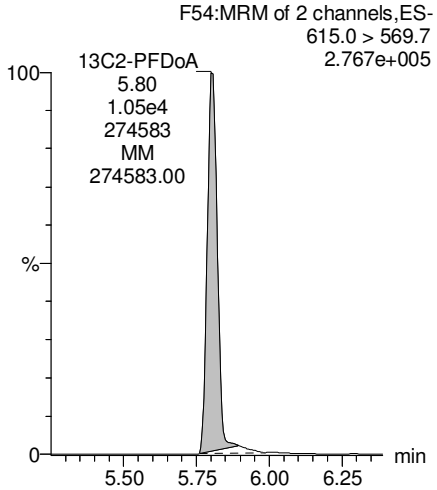

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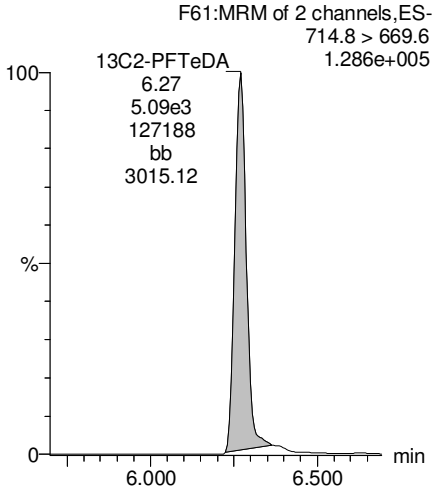

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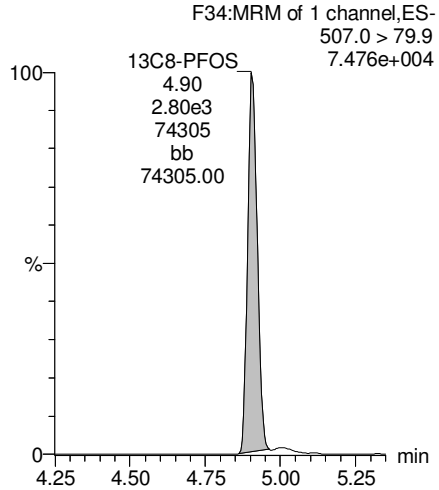
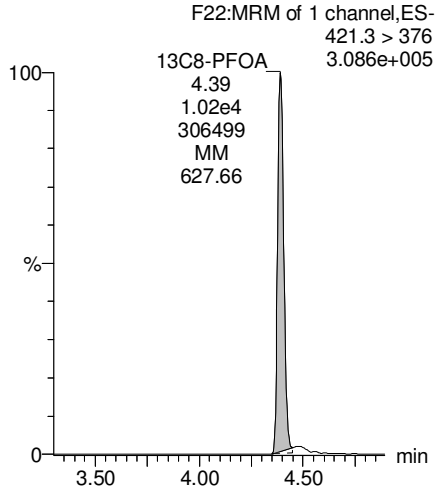


13C8-PFOA



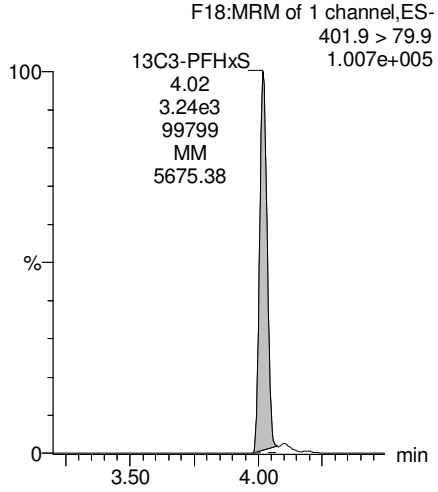
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-49.qld

Last Altered: Thursday, March 01, 2018 11:50:26 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:50:55 Pacific Standard Time

Name: 180227M1_49, Date: 28-Feb-2018, Time: 04:29:50, ID: 1800308-18 OF-RW46-0218 0.11424, Description: OF-RW46-0218

13C3-PFHxS



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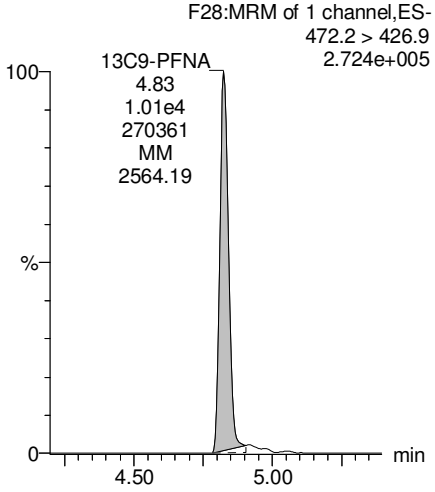

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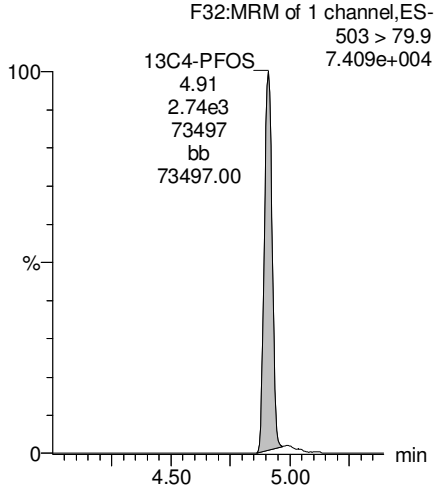

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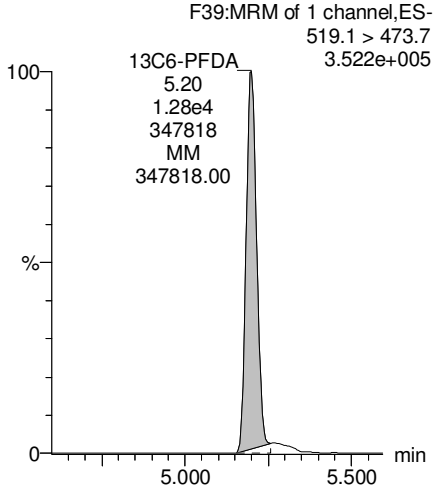

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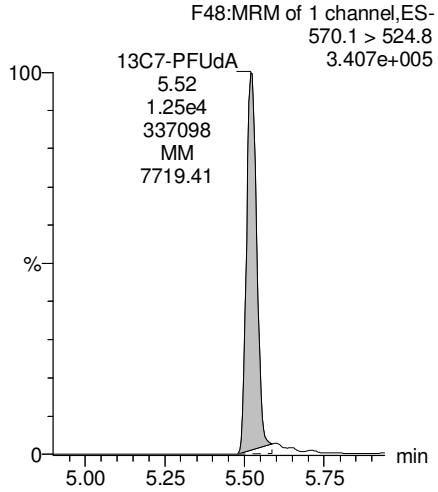

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-122.qld

Last Altered: Thursday, March 01, 2018 11:08:32 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:08:58 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_122, Date: 25-Feb-2018, Time: 11:32:44, ID: 1800308-19 OF-FB46-0218 0.11839, Description: OF-FB46-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.27e3	0.118		2.60				
2	5	PFHxA	313.2 > 268.9		2.23e3	0.118		3.19				
3	7	PFHpA	363.0 > 318.9		5.60e3	0.118		3.81				
4	8	L-PFHxS	398.9 > 79.6	1.31e0	8.59e2	0.118		4.17	3.92	0.0191	0.5186	
5	11	L-PFOA	413 > 368.7	1.22e2	8.84e3	0.118		4.40	4.30	0.173	1.4283	
6	14	PFNA	463.0 > 418.8		7.85e3	0.118		4.76				
7	16	L-PFOS	499 > 79.9		2.40e3	0.118		4.95				
8	18	PFDA	513 > 468.8		7.49e3	0.118		5.14				
9	21	N-MeFOSAA	570.1 > 419		3.18e3	0.118		5.29				
10	22	N-EtFOSAA	584.2 > 419		3.63e3	0.118		5.45				
11	23	PFUdA	563.0 > 518.9		7.53e3	0.118		5.46				

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Vista Analytical Laboratory

Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-122.qld

Last Altered: Thursday, March 01, 2018 11:08:32 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:09:07 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_122, Date: 25-Feb-2018, Time: 11:32:44, ID: 1800308-19 OF-FB46-0218 0.11839, Description: OF-FB46-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		6.81e3	0.118		5.74				
2	27	PFTrDA	662.9 > 618.9		6.81e3	0.118		5.98				
3	28	PFTeDA	712.9 > 668.8		3.10e3	0.118		6.20				
4	36	13C3-PFBS	302. > 98.8	1.27e3	9.78e3	0.118	0.116	2.69	2.67	1.63	118.5850	112.3
5	37	13C2-PFHxA	315 > 269.8	2.23e3	9.78e3	0.118	0.732	3.19	3.16	2.85	32.8771	77.8
6	38	13C4-PFHpA	367.2 > 321.8	5.60e3	9.78e3	0.118	0.717	3.81	3.77	7.16	84.3013	79.8
7	39	18O2-PFHxS	403.0 > 102.6	8.59e2	2.53e3	0.118	0.368	3.96	3.92	4.24	97.3210	92.2
8	40	13C2-PFOA	414.9 > 369.7	8.84e3	7.55e3	0.118	1.311	4.33	4.29	14.6	94.3635	89.4
9	41	13C5-PFNA	468.2 > 422.9	7.85e3	8.64e3	0.118	0.974	4.76	4.72	11.4	98.5399	93.3
10	42	13C8-PFOSA	506.1 > 77.7	1.33e3	9.97e3	0.118	0.187	4.83	4.79	1.66	75.0100	71.0
11	43	13C8-PFOS	507.0 > 79.9	2.40e3	2.70e3	0.118	1.075	4.84	4.80	11.1	87.4058	82.8
12	44	13C2-PFDA	515.1 > 469.9	7.49e3	8.26e3	0.118	1.019	5.14	5.10	11.3	93.8997	88.9
13	45	d3-N-MeFOSAA	573.3 > 419	3.18e3	9.97e3	0.118	0.325	5.29	5.25	3.99	103.6602	98.2
14	46	d5-N-EtFOSAA	589.3 > 419	3.63e3	9.97e3	0.118	0.345	5.45	5.40	4.54	111.2780	105.4
15	47	13C2-PFUdA	565 > 519.8	7.53e3	9.97e3	0.118	1.071	5.46	5.42	9.43	74.4102	70.5
16	48	13C2-PFDoA	615.0 > 569.7	6.81e3	9.97e3	0.118	0.995	5.74	5.70	8.54	72.4869	68.7
17	49	d3-N-MeFOSA	515.2 > 168.9		9.97e3	0.118	0.090	5.84				
18	50	13C2-PFTeDA	714.8 > 669.6	3.10e3	9.97e3	0.118	0.551	6.20	6.16	3.89	59.5234	56.4
19	51	d5-N-ETFOSA	531.1 > 168.9		9.97e3	0.118	0.127	6.22				
20	52	13C2-PFHxDA	815 > 769.7	1.92e3	9.97e3	0.118	0.752	6.51	6.49	2.41	27.1109	64.2
21	53	d7-N-MeFOSE	623.1 > 58.9		9.97e3	0.118	0.098	6.31				
22	54	d9-N-EtFOSE	639.2 > 58.8		9.97e3	0.118	0.086	6.45				
23	55	13C4-PFBA	217. > 171.8	7.45e3	7.45e3	0.118	1.000	1.46	1.44	12.5	105.5832	100.0
24	56	13C5-PFHxA	318 > 272.9	9.78e3	9.78e3	0.118	1.000	3.19	3.16	12.5	105.5832	100.0
25	57	13C3-PFHxS	401.9 > 79.9	2.53e3	2.53e3	0.118	1.000	3.96	3.92	12.5	105.5832	100.0
26	58	13C8-PFOA	421.3 > 376	7.55e3	7.55e3	0.118	1.000	4.33	4.29	12.5	105.5832	100.0
27	59	13C9-PFNA	472.2 > 426.9	8.64e3	8.64e3	0.118	1.000	4.70	4.72	12.5	105.5832	100.0
28	60	13C4-PFOS	503 > 79.9	2.70e3	2.70e3	0.118	1.000	4.84	4.81	12.5	105.5832	100.0
29	61	13C6-PFDA	519.1 > 473.7	8.26e3	8.26e3	0.118	1.000	5.14	5.10	12.5	105.5832	100.0
30	62	13C7-PFUdA	570.1 > 524.8	9.97e3	9.97e3	0.118	1.000	5.46	5.42	12.5	105.5832	100.0
31	63	Total PFHxS	398.9 > 79.6	1.31e0	8.59e2	0.118		3.85		0.0191	0.5186	
32	64	Total PFOA	413 > 368.7	1.22e2	8.84e3	0.118		4.21		0.173	1.4283	

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-122.qld

Last Altered: Thursday, March 01, 2018 11:08:32 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:09:07 Pacific Standard Time

Name: 180224M1_122, Date: 25-Feb-2018, Time: 11:32:44, ID: 1800308-19 OF-FB46-0218 0.11839, Description: OF-FB46-0218

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	65	Total PFOS	499 > 79.9	0.00e0	2.40e3	0.118		4.73		0.000		
34	66	Total N-MeFOSAA	570.1 > 419	0.00e0	3.18e3	0.118		5.29		0.000		
35	67	Total N-EtFOSAA	584.2 > 419	0.00e0	3.63e3	0.118		5.45		0.000		

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Rev'd: MM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-122.qld

Last Altered: Thursday, March 01, 2018 11:08:32 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:09:07 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 28 Feb 2018 10:59:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_122, Date: 25-Feb-2018, Time: 11:32:44, ID: 1800308-19 OF-FB46-0218 0.11839, Description: OF-FB46-0218

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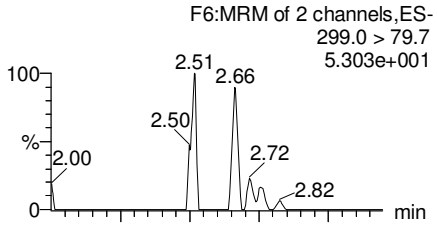

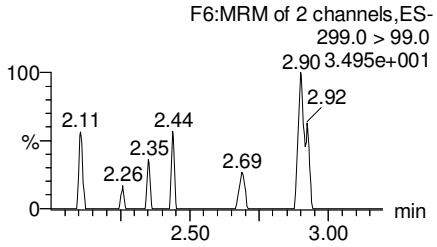

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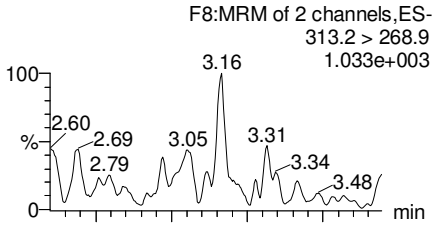
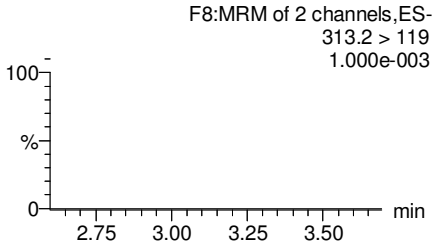
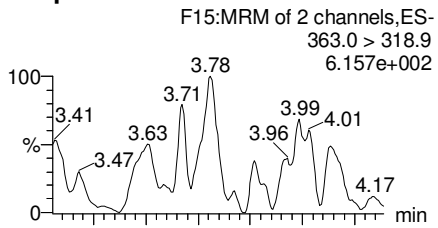
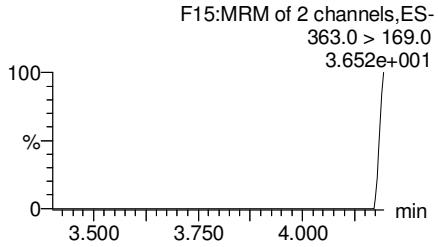


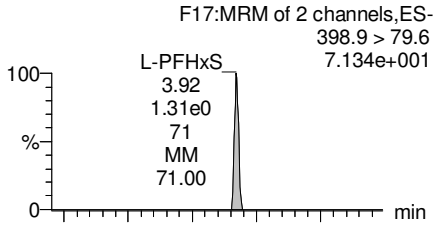


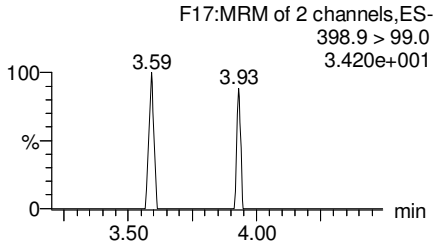
PFHpA



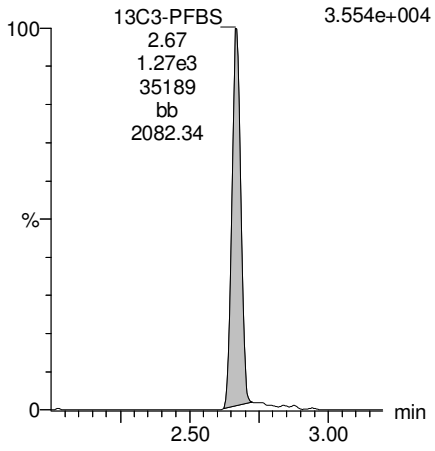


Total PFHxS

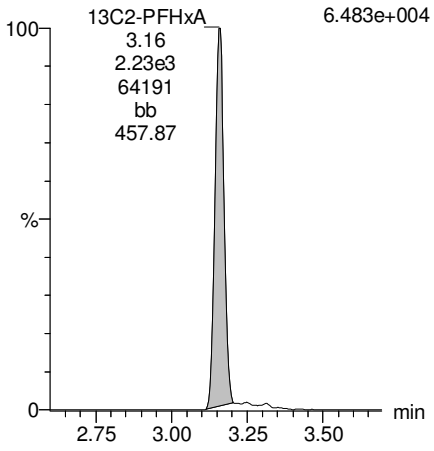




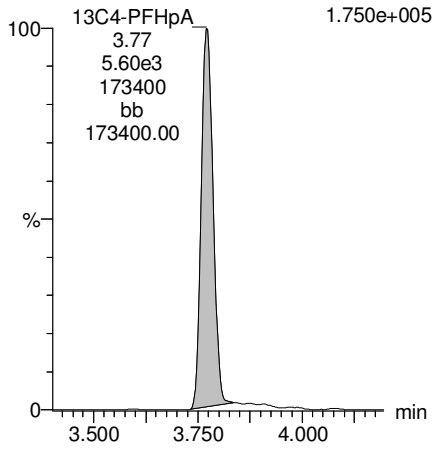
13C3-PFBS



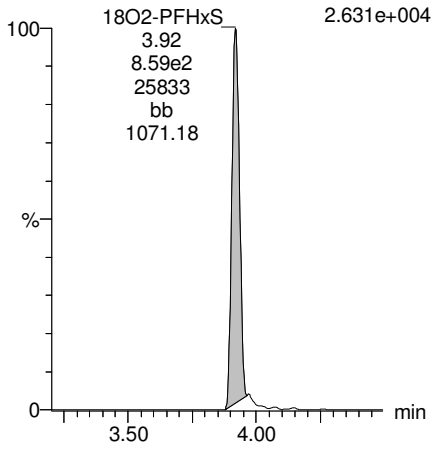
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



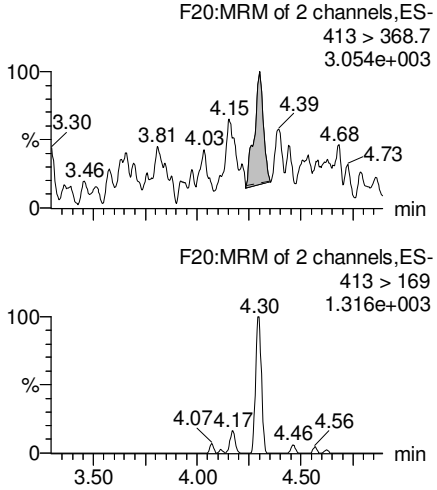
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-122.qld

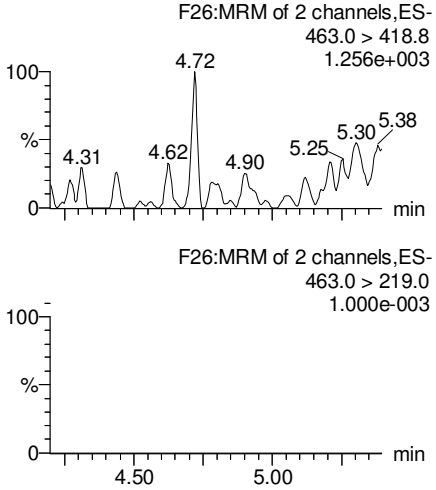
Last Altered: Thursday, March 01, 2018 11:08:32 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:09:07 Pacific Standard Time

Name: 180224M1_122, Date: 25-Feb-2018, Time: 11:32:44, ID: 1800308-19 OF-FB46-0218 0.11839, Description: OF-FB46-0218

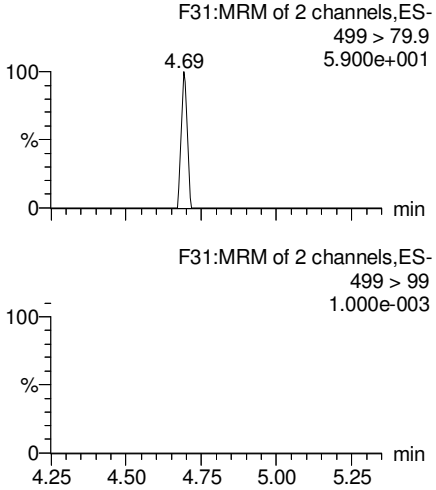
Total PFOA



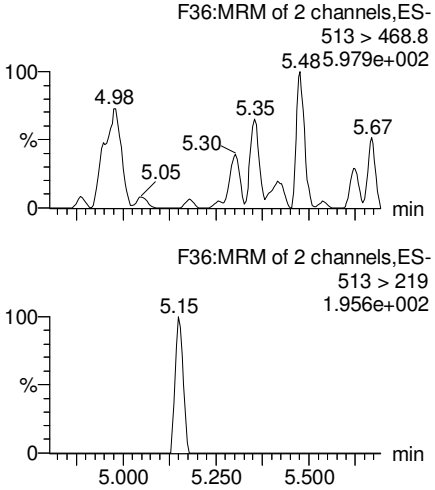
PFNA



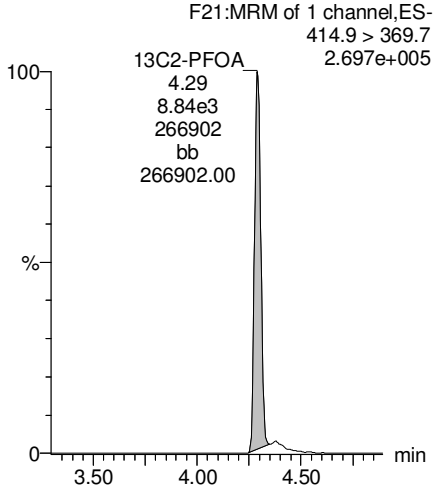
Total PFOS



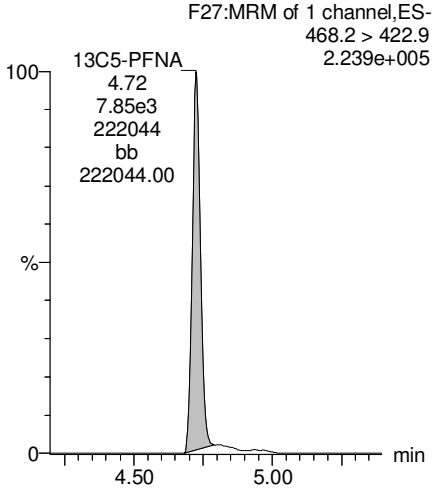
PFDA



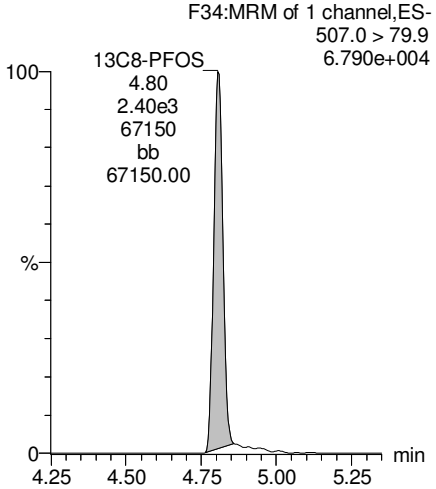
13C2-PFOA



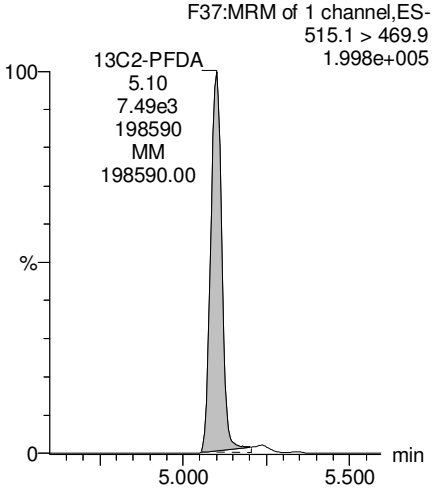
13C5-PFNA



13C8-PFOS



13C2-PFDA



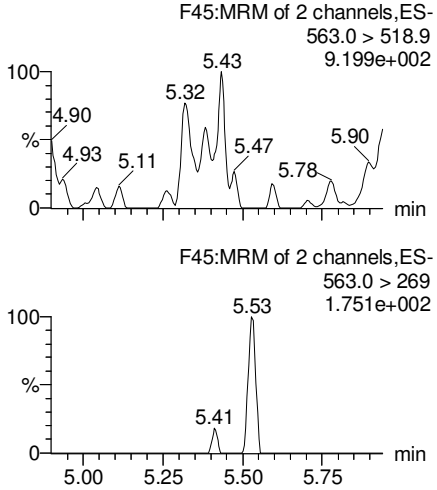
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-122.qld

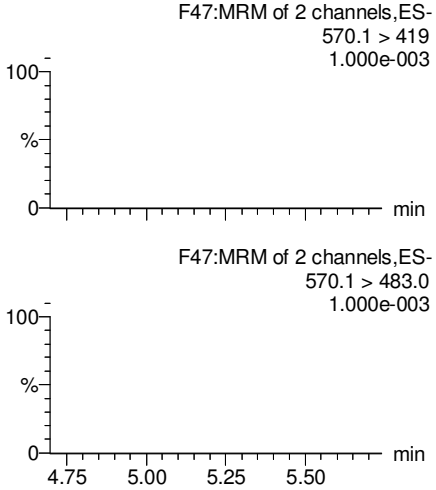
Last Altered: Thursday, March 01, 2018 11:08:32 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:09:07 Pacific Standard Time

Name: 180224M1_122, Date: 25-Feb-2018, Time: 11:32:44, ID: 1800308-19 OF-FB46-0218 0.11839, Description: OF-FB46-0218

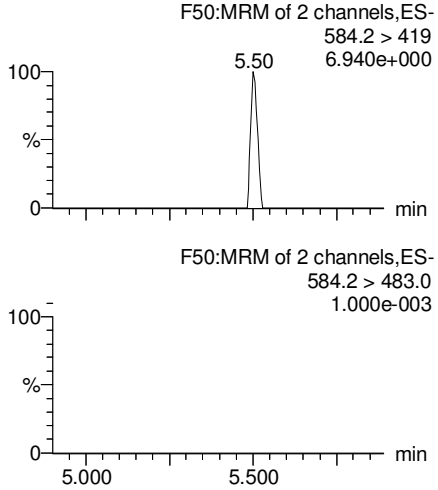
PFUdA



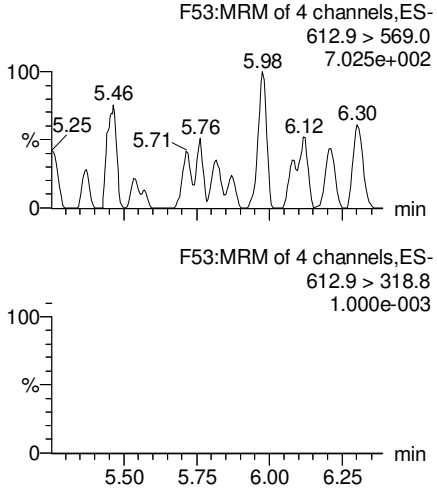
N-MeFOSAA



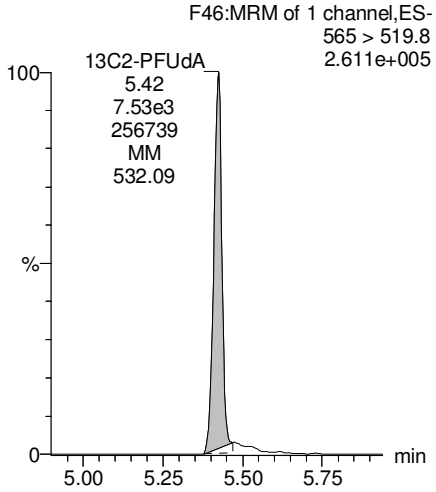
N-EtFOSAA



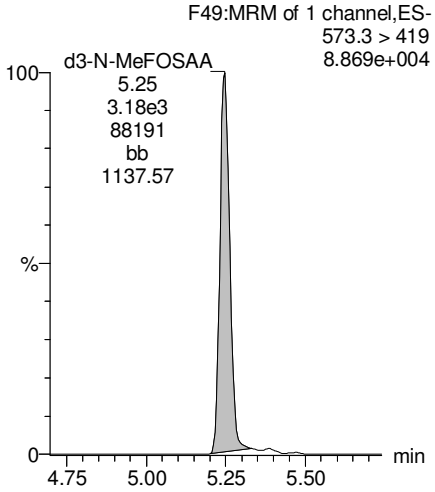
PFDoA



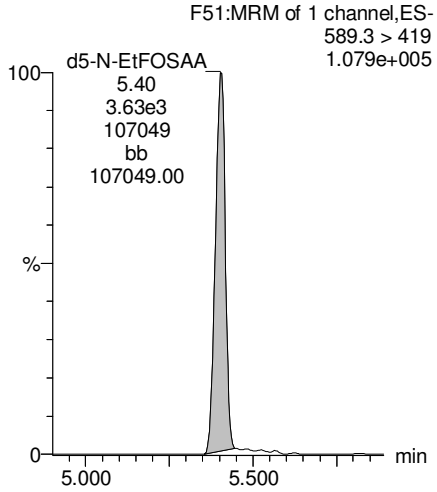
13C2-PFUdA



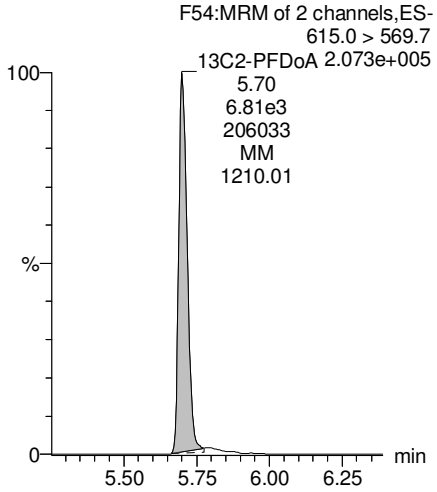
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



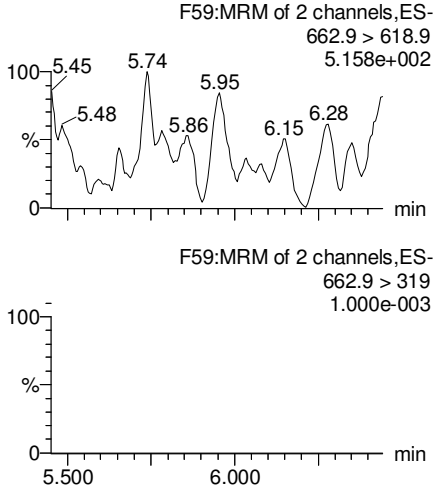
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-122.qld

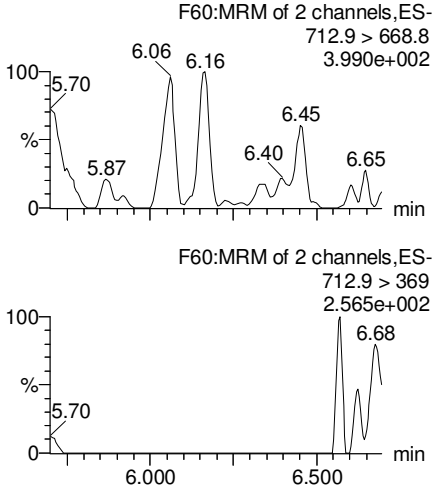
Last Altered: Thursday, March 01, 2018 11:08:32 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:09:07 Pacific Standard Time

Name: 180224M1_122, Date: 25-Feb-2018, Time: 11:32:44, ID: 1800308-19 OF-FB46-0218 0.11839, Description: OF-FB46-0218

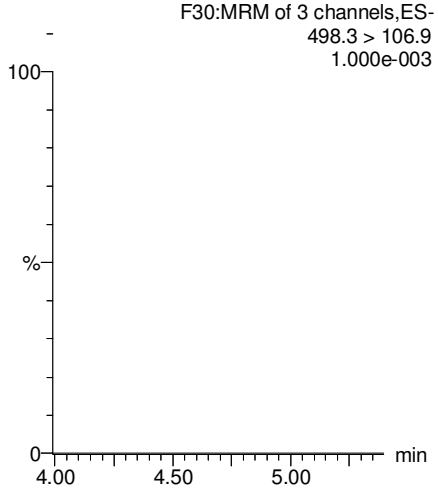
PFTrDA



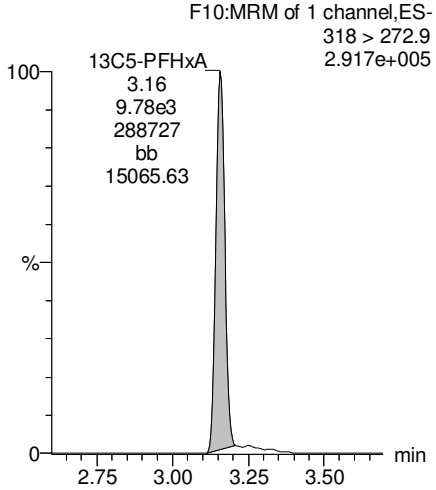
PFTeDA



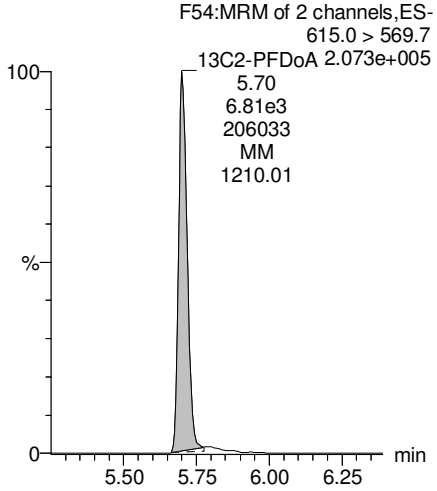
TCDA



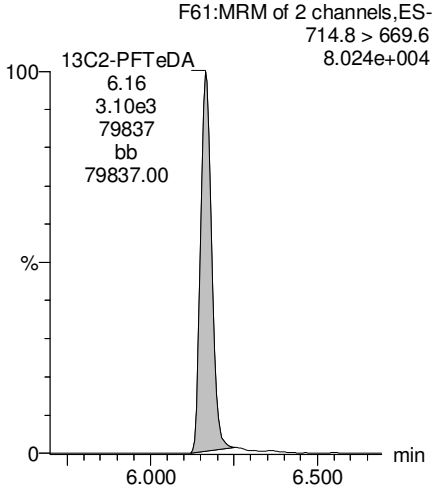
13C5-PFHxA



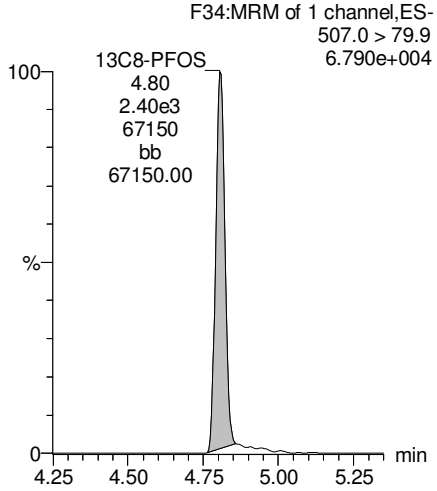
13C2-PFDoA



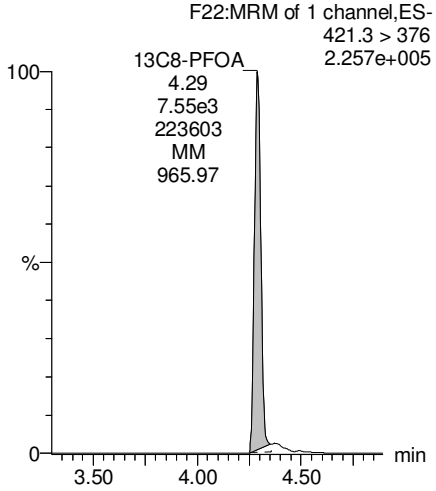
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



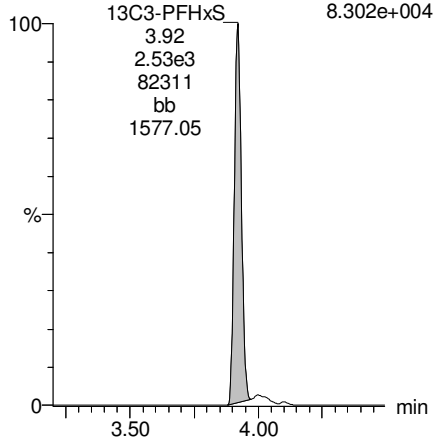
GM 3/1/2018

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-122.qld

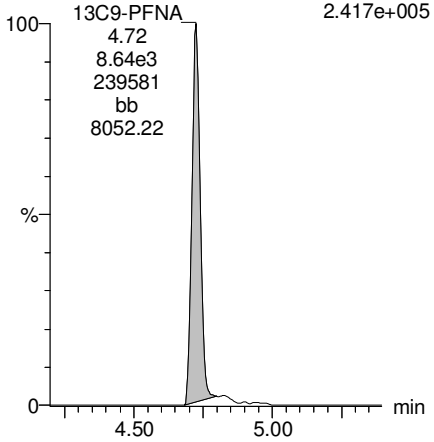
Last Altered: Thursday, March 01, 2018 11:08:32 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:09:07 Pacific Standard Time

Name: 180224M1_122, Date: 25-Feb-2018, Time: 11:32:44, ID: 1800308-19 OF-FB46-0218 0.11839, Description: OF-FB46-0218

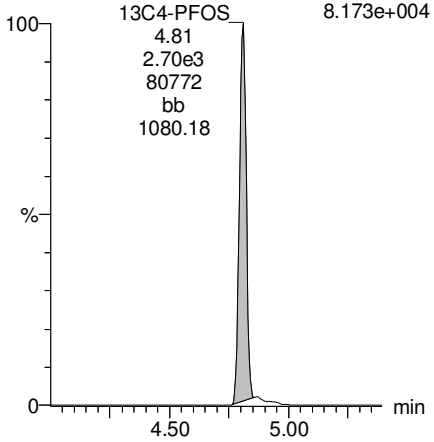
13C3-PFHxS



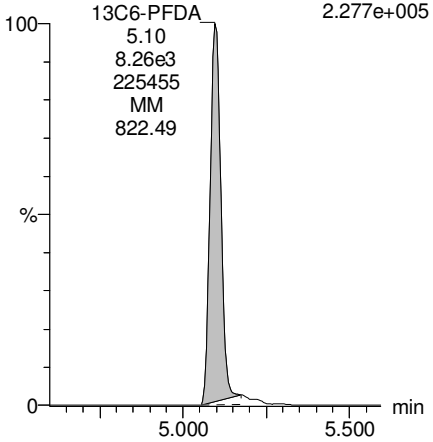
13C9-PFNA



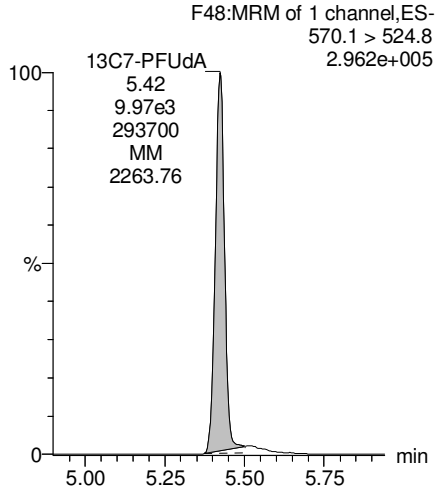
13C4-PFOS



13C6-PFDA



13C7-PFUdA



GM 3/1/2018

INJECTION INTERNAL STANDARD (IIS) AREAS,

INSTRUMENT BLANKS (IB)

AND

CONTINUTING CALIBRATION VERIFICATIONS CCV)

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, February 26, 2018 08:57:33 Pacific Standard Time
Printed: Monday, February 26, 2018 08:57:37 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_RS-2-5-18.mdb 06 Feb 2018 10:46:28
Calibration: 26 Feb 2018 08:56:31

Name: 180224M1_3, Date: 24-Feb-2018, Time: 12:44:48, ID: ST180224M1-1 PFC CS0 18B2314, Description: PFC CS0 18B2314

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180224M1-1 PFC CS0 18B2314	8.94e3	100.0	NO
2	2	13C5-PFHxA	ST180224M1-1 PFC CS0 18B2314	1.38e4	100.0	NO
3	3	13C3-PFHxS	ST180224M1-1 PFC CS0 18B2314	3.73e3	100.0	NO
4	4	13C8-PFOA	ST180224M1-1 PFC CS0 18B2314	1.16e4	100.0	NO
5	5	13C9-PFNA	ST180224M1-1 PFC CS0 18B2314	1.23e4	100.0	NO
6	6	13C4-PFOS	ST180224M1-1 PFC CS0 18B2314	3.21e3	100.0	NO
7	7	13C6-PFDA	ST180224M1-1 PFC CS0 18B2314	1.67e4	100.0	NO
8	8	13C7-PFUdA	ST180224M1-1 PFC CS0 18B2314	1.84e4	100.0	NO

Name: 180224M1_4, Date: 24-Feb-2018, Time: 12:56:18, 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: 180224M1_5, Date: 24-Feb-2018, Time: 13:07:48, ID: 1800306-01 REEPDW164FRB 0.12054, Description: REEPDW164FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800306-01 REEPDW164FRB 0.12054	8.31e3	93.0	NO
2	2	13C5-PFHxA	1800306-01 REEPDW164FRB 0.12054	9.15e3	66.4	NO
3	3	13C3-PFHxS	1800306-01 REEPDW164FRB 0.12054	2.55e3	68.2	NO
4	4	13C8-PFOA	1800306-01 REEPDW164FRB 0.12054	9.13e3	78.9	NO
5	5	13C9-PFNA	1800306-01 REEPDW164FRB 0.12054	8.57e3	69.6	NO
6	6	13C4-PFOS	1800306-01 REEPDW164FRB 0.12054	2.54e3	79.0	NO
7	7	13C6-PFDA	1800306-01 REEPDW164FRB 0.12054	1.14e4	68.4	NO
8	8	13C7-PFUdA	1800306-01 REEPDW164FRB 0.12054	1.22e4	66.7	NO

Name: 180224M1_6, Date: 24-Feb-2018, Time: 13:19:12, ID: 1800306-02 REEPDW165FRB 0.11619, Description: REEPDW165FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800306-02 REEPDW165FRB 0.11619	8.70e3	97.4	NO
2	2	13C5-PFHxA	1800306-02 REEPDW165FRB 0.11619	9.13e3	66.2	NO
3	3	13C3-PFHxS	1800306-02 REEPDW165FRB 0.11619	2.81e3	75.2	NO
4	4	13C8-PFOA	1800306-02 REEPDW165FRB 0.11619	8.11e3	70.1	NO
5	5	13C9-PFNA	1800306-02 REEPDW165FRB 0.11619	8.82e3	71.6	NO
6	6	13C4-PFOS	1800306-02 REEPDW165FRB 0.11619	3.16e3	98.5	NO
7	7	13C6-PFDA	1800306-02 REEPDW165FRB 0.11619	9.84e3	59.0	NO
8	8	13C7-PFUdA	1800306-02 REEPDW165FRB 0.11619	1.37e4	74.7	NO

Dataset: Untitled

Last Altered: Monday, February 26, 2018 08:57:33 Pacific Standard Time
Printed: Monday, February 26, 2018 08:57:37 Pacific Standard Time

Name: 180224M1_7, Date: 24-Feb-2018, Time: 13:30:38, ID: 1800306-03 REEPDW166FRB 0.11151, Description: REEPDW166FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800306-03 REEPDW166FRB 0.11151	8.14e3	91.2	NO
2	2	13C5-PFHxA	1800306-03 REEPDW166FRB 0.11151	9.69e3	70.3	NO
3	3	13C3-PFHxS	1800306-03 REEPDW166FRB 0.11151	2.71e3	72.7	NO
4	4	13C8-PFOA	1800306-03 REEPDW166FRB 0.11151	8.99e3	77.7	NO
5	5	13C9-PFNA	1800306-03 REEPDW166FRB 0.11151	8.15e3	66.1	NO
6	6	13C4-PFOS	1800306-03 REEPDW166FRB 0.11151	2.90e3	90.4	NO
7	7	13C6-PFDA	1800306-03 REEPDW166FRB 0.11151	9.92e3	59.5	NO
8	8	13C7-PFUdA	1800306-03 REEPDW166FRB 0.11151	1.35e4	73.5	NO

Name: 180224M1_8, Date: 24-Feb-2018, Time: 13:42:05, ID: 1800306-04 REEPDW167FRB 0.1185, Description: REEPDW167FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800306-04 REEPDW167FRB 0.1185	8.70e3	97.3	NO
2	2	13C5-PFHxA	1800306-04 REEPDW167FRB 0.1185	9.39e3	68.1	NO
3	3	13C3-PFHxS	1800306-04 REEPDW167FRB 0.1185	2.60e3	69.8	NO
4	4	13C8-PFOA	1800306-04 REEPDW167FRB 0.1185	8.86e3	76.6	NO
5	5	13C9-PFNA	1800306-04 REEPDW167FRB 0.1185	1.04e4	84.1	NO
6	6	13C4-PFOS	1800306-04 REEPDW167FRB 0.1185	2.68e3	83.4	NO
7	7	13C6-PFDA	1800306-04 REEPDW167FRB 0.1185	1.07e4	64.2	NO
8	8	13C7-PFUdA	1800306-04 REEPDW167FRB 0.1185	1.33e4	72.2	NO

Name: 180224M1_9, Date: 24-Feb-2018, Time: 13:53:35, ID: 1800306-05 REEPDW168FRB 0.11959, Description: REEPDW168FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800306-05 REEPDW168FRB 0.11959	8.80e3	98.5	NO
2	2	13C5-PFHxA	1800306-05 REEPDW168FRB 0.11959	9.59e3	69.6	NO
3	3	13C3-PFHxS	1800306-05 REEPDW168FRB 0.11959	2.54e3	68.2	NO
4	4	13C8-PFOA	1800306-05 REEPDW168FRB 0.11959	8.48e3	73.3	NO
5	5	13C9-PFNA	1800306-05 REEPDW168FRB 0.11959	8.98e3	72.9	NO
6	6	13C4-PFOS	1800306-05 REEPDW168FRB 0.11959	2.47e3	76.9	NO
7	7	13C6-PFDA	1800306-05 REEPDW168FRB 0.11959	1.16e4	69.5	NO
8	8	13C7-PFUdA	1800306-05 REEPDW168FRB 0.11959	1.35e4	73.4	NO

Name: 180224M1_10, Date: 24-Feb-2018, Time: 14:08:23, ID: 1800306-06 REEPDW169FRB 0.11933, Description: REEPDW169FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800306-06 REEPDW169FRB 0.11933	8.42e3	94.2	NO
2	2	13C5-PFHxA	1800306-06 REEPDW169FRB 0.11933	1.04e4	75.6	NO
3	3	13C3-PFHxS	1800306-06 REEPDW169FRB 0.11933	2.38e3	63.9	NO
4	4	13C8-PFOA	1800306-06 REEPDW169FRB 0.11933	8.94e3	77.3	NO
5	5	13C9-PFNA	1800306-06 REEPDW169FRB 0.11933	1.03e4	83.4	NO
6	6	13C4-PFOS	1800306-06 REEPDW169FRB 0.11933	2.83e3	88.2	NO
7	7	13C6-PFDA	1800306-06 REEPDW169FRB 0.11933	1.23e4	73.9	NO
8	8	13C7-PFUdA	1800306-06 REEPDW169FRB 0.11933	1.34e4	72.8	NO

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Name: 180224M1_11, Date: 24-Feb-2018, Time: 14:19:45, ID: 1800306-07 REEPDW170FRB 0.11818, Description: REEPDW170FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800306-07 REEPDW170FRB 0.11818	8.53e3	95.5	NO
2	2	13C5-PFHxA	1800306-07 REEPDW170FRB 0.11818	9.68e3	70.3	NO
3	3	13C3-PFHxS	1800306-07 REEPDW170FRB 0.11818	2.34e3	62.8	NO
4	4	13C8-PFOA	1800306-07 REEPDW170FRB 0.11818	8.83e3	76.4	NO
5	5	13C9-PFNA	1800306-07 REEPDW170FRB 0.11818	9.99e3	81.1	NO
6	6	13C4-PFOS	1800306-07 REEPDW170FRB 0.11818	2.66e3	82.8	NO
7	7	13C6-PFDA	1800306-07 REEPDW170FRB 0.11818	9.59e3	57.5	NO
8	8	13C7-PFUdA	1800306-07 REEPDW170FRB 0.11818	1.27e4	68.9	NO

Name: 180224M1_12, Date: 24-Feb-2018, Time: 14:31:12, ID: 1800306-08 REEPDW171FRB 0.12105, Description: REEPDW171FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800306-08 REEPDW171FRB 0.12105	7.38e3	82.6	NO
2	2	13C5-PFHxA	1800306-08 REEPDW171FRB 0.12105	9.32e3	67.6	NO
3	3	13C3-PFHxS	1800306-08 REEPDW171FRB 0.12105	2.69e3	72.2	NO
4	4	13C8-PFOA	1800306-08 REEPDW171FRB 0.12105	7.64e3	66.0	NO
5	5	13C9-PFNA	1800306-08 REEPDW171FRB 0.12105	7.71e3	62.5	NO
6	6	13C4-PFOS	1800306-08 REEPDW171FRB 0.12105	2.73e3	85.0	NO
7	7	13C6-PFDA	1800306-08 REEPDW171FRB 0.12105	8.00e3	47.9	YES
8	8	13C7-PFUdA	1800306-08 REEPDW171FRB 0.12105	1.08e4	58.6	NO

Name: 180224M1_13, Date: 24-Feb-2018, Time: 14:42:39, ID: 1800306-09 REEPDW172FRB 0.12044, Description: REEPDW172FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800306-09 REEPDW172FRB 0.12044	7.82e3	87.5	NO
2	2	13C5-PFHxA	1800306-09 REEPDW172FRB 0.12044	9.49e3	68.9	NO
3	3	13C3-PFHxS	1800306-09 REEPDW172FRB 0.12044	2.47e3	66.3	NO
4	4	13C8-PFOA	1800306-09 REEPDW172FRB 0.12044	7.73e3	66.8	NO
5	5	13C9-PFNA	1800306-09 REEPDW172FRB 0.12044	8.88e3	72.0	NO
6	6	13C4-PFOS	1800306-09 REEPDW172FRB 0.12044	2.32e3	72.2	NO
7	7	13C6-PFDA	1800306-09 REEPDW172FRB 0.12044	1.07e4	64.4	NO
8	8	13C7-PFUdA	1800306-09 REEPDW172FRB 0.12044	9.72e3	52.9	NO

Name: 180224M1_14, Date: 24-Feb-2018, Time: 14:54:06, ID: 1800306-10 REEPDW173FRB 0.11418, Description: REEPDW173FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800306-10 REEPDW173FRB 0.11418	8.08e3	90.5	NO
2	2	13C5-PFHxA	1800306-10 REEPDW173FRB 0.11418	1.04e4	75.2	NO
3	3	13C3-PFHxS	1800306-10 REEPDW173FRB 0.11418	2.59e3	69.4	NO
4	4	13C8-PFOA	1800306-10 REEPDW173FRB 0.11418	9.37e3	81.0	NO
5	5	13C9-PFNA	1800306-10 REEPDW173FRB 0.11418	1.01e4	82.0	NO
6	6	13C4-PFOS	1800306-10 REEPDW173FRB 0.11418	2.63e3	82.0	NO
7	7	13C6-PFDA	1800306-10 REEPDW173FRB 0.11418	9.60e3	57.5	NO
8	8	13C7-PFUdA	1800306-10 REEPDW173FRB 0.11418	1.33e4	72.6	NO

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Name: 180224M1_15, Date: 24-Feb-2018, Time: 15:05:36, ID: B8B0132-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0132-BS1 OPR 0.125	9.91e3	110.9	NO
2	2 13C5-PFHxA	B8B0132-BS1 OPR 0.125	1.03e4	74.8	NO
3	3 13C3-PFHxS	B8B0132-BS1 OPR 0.125	2.71e3	72.6	NO
4	4 13C8-PFOA	B8B0132-BS1 OPR 0.125	8.16e3	70.6	NO
5	5 13C9-PFNA	B8B0132-BS1 OPR 0.125	1.01e4	82.2	NO
6	6 13C4-PFOS	B8B0132-BS1 OPR 0.125	2.67e3	83.1	NO
7	7 13C6-PFDA	B8B0132-BS1 OPR 0.125	9.78e3	58.6	NO
8	8 13C7-PFUdA	B8B0132-BS1 OPR 0.125	1.12e4	60.8	NO

Name: 180224M1_16, Date: 24-Feb-2018, Time: 15:17:06, ID: B8B0132-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0132-BLK1 Method Blank 0.125	8.55e3	95.7	NO
2	2 13C5-PFHxA	B8B0132-BLK1 Method Blank 0.125	9.84e3	71.4	NO
3	3 13C3-PFHxS	B8B0132-BLK1 Method Blank 0.125	2.53e3	67.9	NO
4	4 13C8-PFOA	B8B0132-BLK1 Method Blank 0.125	9.29e3	80.3	NO
5	5 13C9-PFNA	B8B0132-BLK1 Method Blank 0.125	8.95e3	72.6	NO
6	6 13C4-PFOS	B8B0132-BLK1 Method Blank 0.125	2.70e3	84.0	NO
7	7 13C6-PFDA	B8B0132-BLK1 Method Blank 0.125	1.02e4	61.2	NO
8	8 13C7-PFUdA	B8B0132-BLK1 Method Blank 0.125	1.22e4	66.5	NO

Name: 180224M1_17, Date: 24-Feb-2018, Time: 15:28:33, ID: B8B0132-MS1 Matrix Spike 0.11558, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0132-MS1 Matrix Spike 0.11558	9.35e3	104.7	NO
2	2 13C5-PFHxA	B8B0132-MS1 Matrix Spike 0.11558	9.86e3	71.5	NO
3	3 13C3-PFHxS	B8B0132-MS1 Matrix Spike 0.11558	2.39e3	64.0	NO
4	4 13C8-PFOA	B8B0132-MS1 Matrix Spike 0.11558	8.84e3	76.4	NO
5	5 13C9-PFNA	B8B0132-MS1 Matrix Spike 0.11558	1.00e4	81.5	NO
6	6 13C4-PFOS	B8B0132-MS1 Matrix Spike 0.11558	2.68e3	83.5	NO
7	7 13C6-PFDA	B8B0132-MS1 Matrix Spike 0.11558	1.09e4	65.6	NO
8	8 13C7-PFUdA	B8B0132-MS1 Matrix Spike 0.11558	1.26e4	68.6	NO

Name: 180224M1_18, Date: 24-Feb-2018, Time: 15:40:03, ID: B8B0132-MSD1 Matrix Spike Dup 0.12417, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0132-MSD1 Matrix Spike Dup 0.124...	9.87e3	110.5	NO
2	2 13C5-PFHxA	B8B0132-MSD1 Matrix Spike Dup 0.124...	1.06e4	76.8	NO
3	3 13C3-PFHxS	B8B0132-MSD1 Matrix Spike Dup 0.124...	2.34e3	62.8	NO
4	4 13C8-PFOA	B8B0132-MSD1 Matrix Spike Dup 0.124...	9.64e3	83.3	NO
5	5 13C9-PFNA	B8B0132-MSD1 Matrix Spike Dup 0.124...	1.02e4	83.1	NO
6	6 13C4-PFOS	B8B0132-MSD1 Matrix Spike Dup 0.124...	3.00e3	93.4	NO
7	7 13C6-PFDA	B8B0132-MSD1 Matrix Spike Dup 0.124...	1.02e4	61.2	NO
8	8 13C7-PFUdA	B8B0132-MSD1 Matrix Spike Dup 0.124...	1.19e4	64.9	NO

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Name: 180224M1_19, Date: 24-Feb-2018, Time: 15:51:30, ID: 1800342-01 WI-AF-29-MW-4-0218 0.12269, Description: WI-AF-29-MW-4-0218

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-01 WI-AF-29-MW-4-0218 0.12...	8.93e3	99.9	NO
2	2 13C5-PFHxA	1800342-01 WI-AF-29-MW-4-0218 0.12...	1.10e4	79.9	NO
3	3 13C3-PFHxS	1800342-01 WI-AF-29-MW-4-0218 0.12...	2.84e3	76.0	NO
4	4 13C8-PFOA	1800342-01 WI-AF-29-MW-4-0218 0.12...	9.33e3	80.6	NO
5	5 13C9-PFNA	1800342-01 WI-AF-29-MW-4-0218 0.12...	9.69e3	78.6	NO
6	6 13C4-PFOS	1800342-01 WI-AF-29-MW-4-0218 0.12...	2.72e3	84.8	NO
7	7 13C6-PFDA	1800342-01 WI-AF-29-MW-4-0218 0.12...	9.42e3	56.5	NO
8	8 13C7-PFUdA	1800342-01 WI-AF-29-MW-4-0218 0.12...	1.19e4	65.0	NO

Name: 180224M1_20, Date: 24-Feb-2018, Time: 16:02:56, ID: 1800342-02 WI-AF-29-MW-4P-0218 0.11686, Description: WI-AF-29-MW-4P-0218

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-02 WI-AF-29-MW-4P-0218 0.1...	8.04e3	90.0	NO
2	2 13C5-PFHxA	1800342-02 WI-AF-29-MW-4P-0218 0.1...	9.12e3	66.2	NO
3	3 13C3-PFHxS	1800342-02 WI-AF-29-MW-4P-0218 0.1...	2.90e3	77.8	NO
4	4 13C8-PFOA	1800342-02 WI-AF-29-MW-4P-0218 0.1...	9.16e3	79.2	NO
5	5 13C9-PFNA	1800342-02 WI-AF-29-MW-4P-0218 0.1...	9.85e3	79.9	NO
6	6 13C4-PFOS	1800342-02 WI-AF-29-MW-4P-0218 0.1...	2.62e3	81.7	NO
7	7 13C6-PFDA	1800342-02 WI-AF-29-MW-4P-0218 0.1...	9.05e3	54.3	NO
8	8 13C7-PFUdA	1800342-02 WI-AF-29-MW-4P-0218 0.1...	9.85e3	53.6	NO

Name: 180224M1_21, Date: 24-Feb-2018, Time: 16:14:23, ID: 1800342-03 WI-AF-FB01-021318 0.12659, Description: WI-AF-FB01-021318

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-03 WI-AF-FB01-021318 0.126...	7.85e3	87.9	NO
2	2 13C5-PFHxA	1800342-03 WI-AF-FB01-021318 0.126...	9.33e3	67.7	NO
3	3 13C3-PFHxS	1800342-03 WI-AF-FB01-021318 0.126...	2.63e3	70.6	NO
4	4 13C8-PFOA	1800342-03 WI-AF-FB01-021318 0.126...	7.85e3	67.8	NO
5	5 13C9-PFNA	1800342-03 WI-AF-FB01-021318 0.126...	1.08e4	87.4	NO
6	6 13C4-PFOS	1800342-03 WI-AF-FB01-021318 0.126...	2.94e3	91.5	NO
7	7 13C6-PFDA	1800342-03 WI-AF-FB01-021318 0.126...	1.17e4	70.3	NO
8	8 13C7-PFUdA	1800342-03 WI-AF-FB01-021318 0.126...	1.29e4	70.4	NO

Name: 180224M1_22, Date: 24-Feb-2018, Time: 16:25:50, ID: 1800342-04 WI-AF-EB01-021318 0.12366, Description: WI-AF-EB01-021318

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-04 WI-AF-EB01-021318 0.123...	7.49e3	83.9	NO
2	2 13C5-PFHxA	1800342-04 WI-AF-EB01-021318 0.123...	9.57e3	69.4	NO
3	3 13C3-PFHxS	1800342-04 WI-AF-EB01-021318 0.123...	2.73e3	73.1	NO
4	4 13C8-PFOA	1800342-04 WI-AF-EB01-021318 0.123...	8.62e3	74.5	NO
5	5 13C9-PFNA	1800342-04 WI-AF-EB01-021318 0.123...	8.82e3	71.6	NO
6	6 13C4-PFOS	1800342-04 WI-AF-EB01-021318 0.123...	2.57e3	80.2	NO
7	7 13C6-PFDA	1800342-04 WI-AF-EB01-021318 0.123...	9.55e3	57.2	NO
8	8 13C7-PFUdA	1800342-04 WI-AF-EB01-021318 0.123...	1.05e4	56.9	NO

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Name: 180224M1_23, Date: 24-Feb-2018, Time: 16:37:20, ID: 1800342-05 WI-AF-EB03-021318 0.12695, Description: WI-AF-EB03-021318

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800342-05 WI-AF-EB03-021318 0.126...	7.87e3	88.0	NO
2	2	13C5-PFHxA	1800342-05 WI-AF-EB03-021318 0.126...	9.03e3	65.5	NO
3	3	13C3-PFHxS	1800342-05 WI-AF-EB03-021318 0.126...	2.75e3	73.8	NO
4	4	13C8-PFOA	1800342-05 WI-AF-EB03-021318 0.126...	8.04e3	69.5	NO
5	5	13C9-PFNA	1800342-05 WI-AF-EB03-021318 0.126...	9.95e3	80.7	NO
6	6	13C4-PFOS	1800342-05 WI-AF-EB03-021318 0.126...	2.72e3	84.6	NO
7	7	13C6-PFDA	1800342-05 WI-AF-EB03-021318 0.126...	1.10e4	65.7	NO
8	8	13C7-PFUdA	1800342-05 WI-AF-EB03-021318 0.126...	1.12e4	60.9	NO

Name: 180224M1_24, Date: 24-Feb-2018, Time: 16:48:47, 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	9.03e0	0.0	YES

Name: 180224M1_25, Date: 24-Feb-2018, Time: 17:00:17, ID: ST180224M1-2 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180224M1-2 PFC CS3 18B2317	9.44e3	105.6	NO
2	2	13C5-PFHxA	ST180224M1-2 PFC CS3 18B2317	1.52e4	110.1	NO
3	3	13C3-PFHxS	ST180224M1-2 PFC CS3 18B2317	3.56e3	95.4	NO
4	4	13C8-PFOA	ST180224M1-2 PFC CS3 18B2317	1.26e4	108.5	NO
5	5	13C9-PFNA	ST180224M1-2 PFC CS3 18B2317	1.32e4	106.9	NO
6	6	13C4-PFOS	ST180224M1-2 PFC CS3 18B2317	3.72e3	115.9	NO
7	7	13C6-PFDA	ST180224M1-2 PFC CS3 18B2317	1.54e4	92.2	NO
8	8	13C7-PFUdA	ST180224M1-2 PFC CS3 18B2317	1.64e4	89.2	NO

Name: 180224M1_26, Date: 24-Feb-2018, Time: 17:11:46, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA	6.88e0	0.0	YES
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: 180224M1_27, Date: 24-Feb-2018, Time: 17:23:18, ID: 1800342-06 WI-AF-EB04-021318 0.12464, Description: WI-AF-EB04-021318

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-06 WI-AF-EB04-021318 0.124...	8.15e3	91.2	NO
2	2 13C5-PFHxA	1800342-06 WI-AF-EB04-021318 0.124...	8.95e3	64.9	NO
3	3 13C3-PFHxS	1800342-06 WI-AF-EB04-021318 0.124...	2.77e3	74.4	NO
4	4 13C8-PFOA	1800342-06 WI-AF-EB04-021318 0.124...	8.71e3	75.3	NO
5	5 13C9-PFNA	1800342-06 WI-AF-EB04-021318 0.124...	1.14e4	92.4	NO
6	6 13C4-PFOS	1800342-06 WI-AF-EB04-021318 0.124...	2.53e3	78.7	NO
7	7 13C6-PFDA	1800342-06 WI-AF-EB04-021318 0.124...	7.45e3	44.6	YES
8	8 13C7-PFUdA	1800342-06 WI-AF-EB04-021318 0.124...	1.15e4	62.6	NO

Name: 180224M1_28, Date: 24-Feb-2018, Time: 17:34:42, ID: 1800342-07 WI-AF-MW-N2-9-0218 0.11882, Description: WI-AF-MW-N2-9-0218

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-07 WI-AF-MW-N2-9-0218 0.11...	1.02e4	114.3	NO
2	2 13C5-PFHxA	1800342-07 WI-AF-MW-N2-9-0218 0.11...	1.12e4	81.6	NO
3	3 13C3-PFHxS	1800342-07 WI-AF-MW-N2-9-0218 0.11...	3.02e3	80.8	NO
4	4 13C8-PFOA	1800342-07 WI-AF-MW-N2-9-0218 0.11...	9.84e3	85.1	NO
5	5 13C9-PFNA	1800342-07 WI-AF-MW-N2-9-0218 0.11...	1.28e4	103.5	NO
6	6 13C4-PFOS	1800342-07 WI-AF-MW-N2-9-0218 0.11...	3.11e3	96.8	NO
7	7 13C6-PFDA	1800342-07 WI-AF-MW-N2-9-0218 0.11...	9.03e3	54.1	NO
8	8 13C7-PFUdA	1800342-07 WI-AF-MW-N2-9-0218 0.11...	1.13e4	61.8	NO

Name: 180224M1_29, Date: 24-Feb-2018, Time: 17:46:09, ID: 1800342-08 WI-AF-MW-N2-9P-0218 0.11893, Description: WI-AF-MW-N2-9P-0218

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-08 WI-AF-MW-N2-9P-0218 0....	1.03e4	115.8	NO
2	2 13C5-PFHxA	1800342-08 WI-AF-MW-N2-9P-0218 0....	1.20e4	86.9	NO
3	3 13C3-PFHxS	1800342-08 WI-AF-MW-N2-9P-0218 0....	3.22e3	86.4	NO
4	4 13C8-PFOA	1800342-08 WI-AF-MW-N2-9P-0218 0....	9.61e3	83.1	NO
5	5 13C9-PFNA	1800342-08 WI-AF-MW-N2-9P-0218 0....	9.40e3	76.3	NO
6	6 13C4-PFOS	1800342-08 WI-AF-MW-N2-9P-0218 0....	2.67e3	83.1	NO
7	7 13C6-PFDA	1800342-08 WI-AF-MW-N2-9P-0218 0....	1.07e4	64.1	NO
8	8 13C7-PFUdA	1800342-08 WI-AF-MW-N2-9P-0218 0....	1.37e4	74.7	NO

Name: 180224M1_30, Date: 24-Feb-2018, Time: 17:57:36, ID: 1800342-09 WI-AF-FB01-021518 0.11547, Description: WI-AF-FB01-021518

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-09 WI-AF-FB01-021518 0.115...	8.12e3	90.9	NO
2	2 13C5-PFHxA	1800342-09 WI-AF-FB01-021518 0.115...	9.49e3	68.8	NO
3	3 13C3-PFHxS	1800342-09 WI-AF-FB01-021518 0.115...	2.64e3	70.8	NO
4	4 13C8-PFOA	1800342-09 WI-AF-FB01-021518 0.115...	7.23e3	62.5	NO
5	5 13C9-PFNA	1800342-09 WI-AF-FB01-021518 0.115...	9.57e3	77.7	NO
6	6 13C4-PFOS	1800342-09 WI-AF-FB01-021518 0.115...	2.57e3	80.2	NO
7	7 13C6-PFDA	1800342-09 WI-AF-FB01-021518 0.115...	8.73e3	52.4	NO
8	8 13C7-PFUdA	1800342-09 WI-AF-FB01-021518 0.115...	1.09e4	59.4	NO

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Name: 180224M1_31, Date: 24-Feb-2018, Time: 18:09:03, ID: 1800342-10 WI-AF-MW-N2-7S-0218 0.124, Description: WI-AF-MW-N2-7S-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800342-10 WI-AF-MW-N2-7S-0218 0....	9.35e3	104.6	NO
2	2	13C5-PFHxA	1800342-10 WI-AF-MW-N2-7S-0218 0....	1.16e4	84.0	NO
3	3	13C3-PFHxS	1800342-10 WI-AF-MW-N2-7S-0218 0....	2.60e3	69.6	NO
4	4	13C8-PFOA	1800342-10 WI-AF-MW-N2-7S-0218 0....	8.99e3	77.7	NO
5	5	13C9-PFNA	1800342-10 WI-AF-MW-N2-7S-0218 0....	1.15e4	93.7	NO
6	6	13C4-PFOS	1800342-10 WI-AF-MW-N2-7S-0218 0....	2.50e3	77.9	NO
7	7	13C6-PFDA	1800342-10 WI-AF-MW-N2-7S-0218 0....	1.32e4	79.3	NO
8	8	13C7-PFUdA	1800342-10 WI-AF-MW-N2-7S-0218 0....	1.26e4	68.4	NO

Name: 180224M1_32, Date: 24-Feb-2018, Time: 18:20:32, ID: 1800342-11 WI-AF-MW-N2-3-0218 0.11817, Description: WI-AF-MW-N2-3-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800342-11 WI-AF-MW-N2-3-0218 0.11...	8.20e3	91.7	NO
2	2	13C5-PFHxA	1800342-11 WI-AF-MW-N2-3-0218 0.11...	9.56e3	69.4	NO
3	3	13C3-PFHxS	1800342-11 WI-AF-MW-N2-3-0218 0.11...	2.73e3	73.1	NO
4	4	13C8-PFOA	1800342-11 WI-AF-MW-N2-3-0218 0.11...	7.70e3	66.5	NO
5	5	13C9-PFNA	1800342-11 WI-AF-MW-N2-3-0218 0.11...	9.97e3	80.9	NO
6	6	13C4-PFOS	1800342-11 WI-AF-MW-N2-3-0218 0.11...	2.66e3	83.0	NO
7	7	13C6-PFDA	1800342-11 WI-AF-MW-N2-3-0218 0.11...	1.10e4	66.2	NO
8	8	13C7-PFUdA	1800342-11 WI-AF-MW-N2-3-0218 0.11...	9.52e3	51.8	NO

Name: 180224M1_33, Date: 24-Feb-2018, Time: 18:31:59, ID: 1800342-12 WI-AF-EB01-021618 0.11885, Description: WI-AF-EB01-021618

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800342-12 WI-AF-EB01-021618 0.118...	8.72e3	97.6	NO
2	2	13C5-PFHxA	1800342-12 WI-AF-EB01-021618 0.118...	1.02e4	74.3	NO
3	3	13C3-PFHxS	1800342-12 WI-AF-EB01-021618 0.118...	2.90e3	77.7	NO
4	4	13C8-PFOA	1800342-12 WI-AF-EB01-021618 0.118...	7.75e3	67.0	NO
5	5	13C9-PFNA	1800342-12 WI-AF-EB01-021618 0.118...	9.81e3	79.6	NO
6	6	13C4-PFOS	1800342-12 WI-AF-EB01-021618 0.118...	2.32e3	72.2	NO
7	7	13C6-PFDA	1800342-12 WI-AF-EB01-021618 0.118...	9.02e3	54.1	NO
8	8	13C7-PFUdA	1800342-12 WI-AF-EB01-021618 0.118...	1.34e4	72.8	NO

Name: 180224M1_34, Date: 24-Feb-2018, Time: 18:43:26, ID: 1800342-13 WI-AF-MW-N2-8-0218 0.12041, Description: WI-AF-MW-N2-8-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800342-13 WI-AF-MW-N2-8-0218 0.1...	9.28e3	103.9	NO
2	2	13C5-PFHxA	1800342-13 WI-AF-MW-N2-8-0218 0.1...	9.89e3	71.8	NO
3	3	13C3-PFHxS	1800342-13 WI-AF-MW-N2-8-0218 0.1...	2.51e3	67.2	NO
4	4	13C8-PFOA	1800342-13 WI-AF-MW-N2-8-0218 0.1...	1.03e4	89.3	NO
5	5	13C9-PFNA	1800342-13 WI-AF-MW-N2-8-0218 0.1...	9.82e3	79.7	NO
6	6	13C4-PFOS	1800342-13 WI-AF-MW-N2-8-0218 0.1...	2.19e3	68.2	NO
7	7	13C6-PFDA	1800342-13 WI-AF-MW-N2-8-0218 0.1...	9.19e3	55.1	NO
8	8	13C7-PFUdA	1800342-13 WI-AF-MW-N2-8-0218 0.1...	1.18e4	64.4	NO

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Name: 180224M1_35, Date: 24-Feb-2018, Time: 18:54:56, ID: 1800342-14 WI-AF-MW-201-0218 0.11911, Description: WI-AF-MW-201-0218

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-14 WI-AF-MW-201-0218 0.11...	8.93e3	99.9	NO
2	2 13C5-PFHxA	1800342-14 WI-AF-MW-201-0218 0.11...	8.93e3	64.8	NO
3	3 13C3-PFHxS	1800342-14 WI-AF-MW-201-0218 0.11...	1.59e3	42.7	YES
4	4 13C8-PFOA	1800342-14 WI-AF-MW-201-0218 0.11...	9.25e3	80.0	NO
5	5 13C9-PFNA	1800342-14 WI-AF-MW-201-0218 0.11...	1.13e4	91.8	NO
6	6 13C4-PFOS	1800342-14 WI-AF-MW-201-0218 0.11...	1.64e3	51.2	NO
7	7 13C6-PFDA	1800342-14 WI-AF-MW-201-0218 0.11...	9.99e3	59.9	NO
8	8 13C7-PFUdA	1800342-14 WI-AF-MW-201-0218 0.11...	1.47e4	80.0	NO

Name: 180224M1_36, Date: 24-Feb-2018, Time: 19:06:22, ID: 1800342-15 WI-AF-FB01-021718 0.11145, Description: WI-AF-FB01-021718

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-15 WI-AF-FB01-021718 0.11145	8.59e3	96.1	NO
2	2 13C5-PFHxA	1800342-15 WI-AF-FB01-021718 0.11145	1.01e4	73.3	NO
3	3 13C3-PFHxS	1800342-15 WI-AF-FB01-021718 0.11145	2.87e3	76.9	NO
4	4 13C8-PFOA	1800342-15 WI-AF-FB01-021718 0.11145	9.03e3	78.1	NO
5	5 13C9-PFNA	1800342-15 WI-AF-FB01-021718 0.11145	1.17e4	95.2	NO
6	6 13C4-PFOS	1800342-15 WI-AF-FB01-021718 0.11145	2.78e3	86.5	NO
7	7 13C6-PFDA	1800342-15 WI-AF-FB01-021718 0.11145	1.05e4	63.1	NO
8	8 13C7-PFUdA	1800342-15 WI-AF-FB01-021718 0.11145	1.18e4	64.4	NO

Name: 180224M1_37, Date: 24-Feb-2018, Time: 19:17:49, ID: 1800342-16 WI-AF-4-MW-3-0218 0.11068, Description: WI-AF-4-MW-3-0218

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-16 WI-AF-4-MW-3-0218 0.110...	1.00e4	111.9	NO
2	2 13C5-PFHxA	1800342-16 WI-AF-4-MW-3-0218 0.110...	1.16e4	84.1	NO
3	3 13C3-PFHxS	1800342-16 WI-AF-4-MW-3-0218 0.110...	2.65e3	71.0	NO
4	4 13C8-PFOA	1800342-16 WI-AF-4-MW-3-0218 0.110...	8.97e3	77.6	NO
5	5 13C9-PFNA	1800342-16 WI-AF-4-MW-3-0218 0.110...	1.09e4	88.7	NO
6	6 13C4-PFOS	1800342-16 WI-AF-4-MW-3-0218 0.110...	2.93e3	91.2	NO
7	7 13C6-PFDA	1800342-16 WI-AF-4-MW-3-0218 0.110...	9.73e3	58.4	NO
8	8 13C7-PFUdA	1800342-16 WI-AF-4-MW-3-0218 0.110...	1.45e4	78.7	NO

Name: 180224M1_38, Date: 24-Feb-2018, Time: 19:29:18, ID: 1800342-17 WI-AF-EB01-021718 0.12581, Description: WI-AF-EB01-021718

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800342-17 WI-AF-EB01-021718 0.125...	9.68e3	108.4	NO
2	2 13C5-PFHxA	1800342-17 WI-AF-EB01-021718 0.125...	1.12e4	81.5	NO
3	3 13C3-PFHxS	1800342-17 WI-AF-EB01-021718 0.125...	2.86e3	76.7	NO
4	4 13C8-PFOA	1800342-17 WI-AF-EB01-021718 0.125...	9.31e3	80.4	NO
5	5 13C9-PFNA	1800342-17 WI-AF-EB01-021718 0.125...	1.22e4	98.9	NO
6	6 13C4-PFOS	1800342-17 WI-AF-EB01-021718 0.125...	2.85e3	88.9	NO
7	7 13C6-PFDA	1800342-17 WI-AF-EB01-021718 0.125...	1.19e4	71.3	NO
8	8 13C7-PFUdA	1800342-17 WI-AF-EB01-021718 0.125...	1.16e4	63.0	NO

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Name: 180224M1_39, Date: 24-Feb-2018, Time: 19:40:47, ID: 1800342-18 WI-AF-N2-6C-0218 0.11624, Description: WI-AF-N2-6C-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800342-18 WI-AF-N2-6C-0218 0.11624	8.48e3	94.9	NO
2	2	13C5-PFHxA	1800342-18 WI-AF-N2-6C-0218 0.11624	9.25e3	67.1	NO
3	3	13C3-PFHxS	1800342-18 WI-AF-N2-6C-0218 0.11624	2.55e3	68.4	NO
4	4	13C8-PFOA	1800342-18 WI-AF-N2-6C-0218 0.11624	8.43e3	72.9	NO
5	5	13C9-PFNA	1800342-18 WI-AF-N2-6C-0218 0.11624	1.02e4	83.1	NO
6	6	13C4-PFOS	1800342-18 WI-AF-N2-6C-0218 0.11624	2.33e3	72.6	NO
7	7	13C6-PFDA	1800342-18 WI-AF-N2-6C-0218 0.11624	9.73e3	58.4	NO
8	8	13C7-PFUdA	1800342-18 WI-AF-N2-6C-0218 0.11624	1.03e4	56.3	NO

Name: 180224M1_40, Date: 24-Feb-2018, Time: 19:52:16, ID: 1800342-19 WI-AF-FB01-021818 0.11386, Description: WI-AF-FB01-021818

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800342-19 WI-AF-FB01-021818 0.113...	9.18e3	102.7	NO
2	2	13C5-PFHxA	1800342-19 WI-AF-FB01-021818 0.113...	1.08e4	78.5	NO
3	3	13C3-PFHxS	1800342-19 WI-AF-FB01-021818 0.113...	3.30e3	88.4	NO
4	4	13C8-PFOA	1800342-19 WI-AF-FB01-021818 0.113...	1.17e4	101.0	NO
5	5	13C9-PFNA	1800342-19 WI-AF-FB01-021818 0.113...	1.22e4	99.2	NO
6	6	13C4-PFOS	1800342-19 WI-AF-FB01-021818 0.113...	3.01e3	93.7	NO
7	7	13C6-PFDA	1800342-19 WI-AF-FB01-021818 0.113...	8.95e3	53.7	NO
8	8	13C7-PFUdA	1800342-19 WI-AF-FB01-021818 0.113...	1.04e4	56.7	NO

Name: 180224M1_41, Date: 24-Feb-2018, Time: 20:03:46, ID: B8B0115-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0115-BS1 OPR 0.125	1.14e4	127.3	NO
2	2	13C5-PFHxA	B8B0115-BS1 OPR 0.125	1.10e4	79.9	NO
3	3	13C3-PFHxS	B8B0115-BS1 OPR 0.125	3.15e3	84.5	NO
4	4	13C8-PFOA	B8B0115-BS1 OPR 0.125	1.05e4	90.4	NO
5	5	13C9-PFNA	B8B0115-BS1 OPR 0.125	1.04e4	84.1	NO
6	6	13C4-PFOS	B8B0115-BS1 OPR 0.125	2.94e3	91.7	NO
7	7	13C6-PFDA	B8B0115-BS1 OPR 0.125	1.13e4	68.0	NO
8	8	13C7-PFUdA	B8B0115-BS1 OPR 0.125	1.55e4	84.3	NO

Name: 180224M1_42, Date: 24-Feb-2018, Time: 20:15:13, ID: B8B0115-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0115-BLK1 Method Blank 0.125	1.16e4	130.0	NO
2	2	13C5-PFHxA	B8B0115-BLK1 Method Blank 0.125	1.19e4	86.2	NO
3	3	13C3-PFHxS	B8B0115-BLK1 Method Blank 0.125	3.15e3	84.5	NO
4	4	13C8-PFOA	B8B0115-BLK1 Method Blank 0.125	1.00e4	86.7	NO
5	5	13C9-PFNA	B8B0115-BLK1 Method Blank 0.125	1.08e4	87.9	NO
6	6	13C4-PFOS	B8B0115-BLK1 Method Blank 0.125	2.93e3	91.2	NO
7	7	13C6-PFDA	B8B0115-BLK1 Method Blank 0.125	9.52e3	57.1	NO
8	8	13C7-PFUdA	B8B0115-BLK1 Method Blank 0.125	1.22e4	66.5	NO

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Name: 180224M1_43, Date: 24-Feb-2018, Time: 20:26:43, ID: B8B0115-MS1 Matrix Spike 0.1206, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0115-MS1 Matrix Spike 0.1206	1.23e4	137.6	NO
2	2	13C5-PFHxA	B8B0115-MS1 Matrix Spike 0.1206	1.27e4	92.4	NO
3	3	13C3-PFHxS	B8B0115-MS1 Matrix Spike 0.1206	3.36e3	90.1	NO
4	4	13C8-PFOA	B8B0115-MS1 Matrix Spike 0.1206	1.07e4	92.4	NO
5	5	13C9-PFNA	B8B0115-MS1 Matrix Spike 0.1206	1.34e4	108.9	NO
6	6	13C4-PFOS	B8B0115-MS1 Matrix Spike 0.1206	3.11e3	96.8	NO
7	7	13C6-PFDA	B8B0115-MS1 Matrix Spike 0.1206	1.15e4	69.1	NO
8	8	13C7-PFUdA	B8B0115-MS1 Matrix Spike 0.1206	1.50e4	81.4	NO

Name: 180224M1_44, Date: 24-Feb-2018, Time: 20:38:12, ID: B8B0115-MSD1 Matrix Spike Dup 0.12027, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0115-MSD1 Matrix Spike Dup 0.120...	1.16e4	130.2	NO
2	2	13C5-PFHxA	B8B0115-MSD1 Matrix Spike Dup 0.120...	1.18e4	85.9	NO
3	3	13C3-PFHxS	B8B0115-MSD1 Matrix Spike Dup 0.120...	3.28e3	87.9	NO
4	4	13C8-PFOA	B8B0115-MSD1 Matrix Spike Dup 0.120...	1.16e4	100.6	NO
5	5	13C9-PFNA	B8B0115-MSD1 Matrix Spike Dup 0.120...	1.08e4	87.9	NO
6	6	13C4-PFOS	B8B0115-MSD1 Matrix Spike Dup 0.120...	3.41e3	106.1	NO
7	7	13C6-PFDA	B8B0115-MSD1 Matrix Spike Dup 0.120...	1.25e4	74.7	NO
8	8	13C7-PFUdA	B8B0115-MSD1 Matrix Spike Dup 0.120...	1.28e4	69.6	NO

Name: 180224M1_45, Date: 24-Feb-2018, Time: 20:49:40, ID: 1800312-01 REEPDW174 0.12357, Description: REEPDW174

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800312-01 REEPDW174 0.12357	1.26e4	140.5	NO
2	2	13C5-PFHxA	1800312-01 REEPDW174 0.12357	1.33e4	96.5	NO
3	3	13C3-PFHxS	1800312-01 REEPDW174 0.12357	3.15e3	84.5	NO
4	4	13C8-PFOA	1800312-01 REEPDW174 0.12357	1.18e4	102.2	NO
5	5	13C9-PFNA	1800312-01 REEPDW174 0.12357	1.11e4	89.9	NO
6	6	13C4-PFOS	1800312-01 REEPDW174 0.12357	2.99e3	93.2	NO
7	7	13C6-PFDA	1800312-01 REEPDW174 0.12357	1.19e4	71.6	NO
8	8	13C7-PFUdA	1800312-01 REEPDW174 0.12357	1.40e4	76.4	NO

Name: 180224M1_46, Date: 24-Feb-2018, Time: 21:01:07, ID: 1800312-02 REEPDW175 0.12536, Description: REEPDW175

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800312-02 REEPDW175 0.12536	1.05e4	117.1	NO
2	2	13C5-PFHxA	1800312-02 REEPDW175 0.12536	1.07e4	77.9	NO
3	3	13C3-PFHxS	1800312-02 REEPDW175 0.12536	3.04e3	81.5	NO
4	4	13C8-PFOA	1800312-02 REEPDW175 0.12536	9.97e3	86.2	NO
5	5	13C9-PFNA	1800312-02 REEPDW175 0.12536	1.10e4	88.9	NO
6	6	13C4-PFOS	1800312-02 REEPDW175 0.12536	3.00e3	93.6	NO
7	7	13C6-PFDA	1800312-02 REEPDW175 0.12536	9.72e3	58.3	NO
8	8	13C7-PFUdA	1800312-02 REEPDW175 0.12536	1.47e4	80.1	NO

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Name: 180224M1_47, Date: 24-Feb-2018, Time: 21:12:37, 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	1.47e1	0.1	YES
8	8	13C7-PFUdA	IPA	6.70e0	0.0	YES

Name: 180224M1_48, Date: 24-Feb-2018, Time: 21:24:04, ID: ST180224M1-3 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180224M1-3 PFC CS3 18B2317	8.80e3	98.4	NO
2	2	13C5-PFHxA	ST180224M1-3 PFC CS3 18B2317	1.48e4	107.3	NO
3	3	13C3-PFHxS	ST180224M1-3 PFC CS3 18B2317	3.87e3	103.7	NO
4	4	13C8-PFOA	ST180224M1-3 PFC CS3 18B2317	1.36e4	117.3	NO
5	5	13C9-PFNA	ST180224M1-3 PFC CS3 18B2317	1.30e4	105.2	NO
6	6	13C4-PFOS	ST180224M1-3 PFC CS3 18B2317	3.41e3	106.3	NO
7	7	13C6-PFDA	ST180224M1-3 PFC CS3 18B2317	1.30e4	78.1	NO
8	8	13C7-PFUdA	ST180224M1-3 PFC CS3 18B2317	1.50e4	81.5	NO

Name: 180224M1_49, Date: 24-Feb-2018, Time: 21:35:34, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA	6.19e0	0.0	YES
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: 180224M1_50, Date: 24-Feb-2018, Time: 21:47:04, ID: 1800312-03 REEPDW176 0.12182, Description: REEPDW176

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800312-03 REEPDW176 0.12182	1.31e4	147.0	NO
2	2	13C5-PFHxA	1800312-03 REEPDW176 0.12182	1.36e4	98.3	NO
3	3	13C3-PFHxS	1800312-03 REEPDW176 0.12182	3.81e3	102.1	NO
4	4	13C8-PFOA	1800312-03 REEPDW176 0.12182	1.14e4	98.7	NO
5	5	13C9-PFNA	1800312-03 REEPDW176 0.12182	1.25e4	101.3	NO
6	6	13C4-PFOS	1800312-03 REEPDW176 0.12182	3.54e3	110.3	NO
7	7	13C6-PFDA	1800312-03 REEPDW176 0.12182	1.14e4	68.5	NO
8	8	13C7-PFUdA	1800312-03 REEPDW176 0.12182	1.18e4	64.2	NO

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Name: 180224M1_51, Date: 24-Feb-2018, Time: 21:58:28, ID: 1800312-04 REEPDW177 0.11976, Description: REEPDW177

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800312-04 REEPDW177 0.11976	1.08e4	120.8	NO
2	2	13C5-PFHxA	1800312-04 REEPDW177 0.11976	1.11e4	80.3	NO
3	3	13C3-PFHxS	1800312-04 REEPDW177 0.11976	2.88e3	77.1	NO
4	4	13C8-PFOA	1800312-04 REEPDW177 0.11976	1.11e4	96.2	NO
5	5	13C9-PFNA	1800312-04 REEPDW177 0.11976	1.05e4	85.2	NO
6	6	13C4-PFOS	1800312-04 REEPDW177 0.11976	3.12e3	97.3	NO
7	7	13C6-PFDA	1800312-04 REEPDW177 0.11976	1.00e4	60.1	NO
8	8	13C7-PFUdA	1800312-04 REEPDW177 0.11976	1.12e4	60.9	NO

Name: 180224M1_52, Date: 24-Feb-2018, Time: 22:09:55, ID: 1800312-05 REEPDW179 0.12055, Description: REEPDW179

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800312-05 REEPDW179 0.12055	1.09e4	122.5	NO
2	2	13C5-PFHxA	1800312-05 REEPDW179 0.12055	1.15e4	83.2	NO
3	3	13C3-PFHxS	1800312-05 REEPDW179 0.12055	2.99e3	80.1	NO
4	4	13C8-PFOA	1800312-05 REEPDW179 0.12055	1.06e4	91.9	NO
5	5	13C9-PFNA	1800312-05 REEPDW179 0.12055	1.22e4	99.2	NO
6	6	13C4-PFOS	1800312-05 REEPDW179 0.12055	3.06e3	95.4	NO
7	7	13C6-PFDA	1800312-05 REEPDW179 0.12055	1.14e4	68.4	NO
8	8	13C7-PFUdA	1800312-05 REEPDW179 0.12055	1.25e4	68.2	NO

Name: 180224M1_53, Date: 24-Feb-2018, Time: 22:21:22, ID: 1800312-06 REEPDW178 0.12456, Description: REEPDW178

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800312-06 REEPDW178 0.12456	1.16e4	129.4	NO
2	2	13C5-PFHxA	1800312-06 REEPDW178 0.12456	1.09e4	79.3	NO
3	3	13C3-PFHxS	1800312-06 REEPDW178 0.12456	3.08e3	82.6	NO
4	4	13C8-PFOA	1800312-06 REEPDW178 0.12456	9.66e3	83.5	NO
5	5	13C9-PFNA	1800312-06 REEPDW178 0.12456	1.15e4	93.2	NO
6	6	13C4-PFOS	1800312-06 REEPDW178 0.12456	3.00e3	93.6	NO
7	7	13C6-PFDA	1800312-06 REEPDW178 0.12456	9.73e3	58.3	NO
8	8	13C7-PFUdA	1800312-06 REEPDW178 0.12456	1.12e4	61.2	NO

Name: 180224M1_54, Date: 24-Feb-2018, Time: 22:32:52, ID: 1800312-07 REEPDW180 0.11918, Description: REEPDW180

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800312-07 REEPDW180 0.11918	1.08e4	120.6	NO
2	2	13C5-PFHxA	1800312-07 REEPDW180 0.11918	1.13e4	82.2	NO
3	3	13C3-PFHxS	1800312-07 REEPDW180 0.11918	2.97e3	79.5	NO
4	4	13C8-PFOA	1800312-07 REEPDW180 0.11918	1.03e4	89.2	NO
5	5	13C9-PFNA	1800312-07 REEPDW180 0.11918	1.19e4	96.2	NO
6	6	13C4-PFOS	1800312-07 REEPDW180 0.11918	3.39e3	105.7	NO
7	7	13C6-PFDA	1800312-07 REEPDW180 0.11918	1.19e4	71.1	NO
8	8	13C7-PFUdA	1800312-07 REEPDW180 0.11918	1.11e4	60.2	NO

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Name: 180224M1_55, Date: 24-Feb-2018, Time: 22:44:21, ID: 1800312-08 REEPDW517 0.12276, Description: REEPDW517

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800312-08 REEPDW517 0.12276	1.12e4	125.3	NO
2	2	13C5-PFHxA	1800312-08 REEPDW517 0.12276	1.24e4	89.7	NO
3	3	13C3-PFHxS	1800312-08 REEPDW517 0.12276	2.91e3	77.9	NO
4	4	13C8-PFOA	1800312-08 REEPDW517 0.12276	1.01e4	87.3	NO
5	5	13C9-PFNA	1800312-08 REEPDW517 0.12276	1.24e4	100.5	NO
6	6	13C4-PFOS	1800312-08 REEPDW517 0.12276	3.23e3	100.7	NO
7	7	13C6-PFDA	1800312-08 REEPDW517 0.12276	1.04e4	62.5	NO
8	8	13C7-PFUdA	1800312-08 REEPDW517 0.12276	1.33e4	72.3	NO

Name: 180224M1_56, Date: 24-Feb-2018, Time: 22:55:48, ID: 1800313-01 REEPDW174FRB 0.12579, Description: REEPDW174FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800313-01 REEPDW174FRB 0.12579	1.14e4	128.0	NO
2	2	13C5-PFHxA	1800313-01 REEPDW174FRB 0.12579	1.12e4	81.6	NO
3	3	13C3-PFHxS	1800313-01 REEPDW174FRB 0.12579	2.86e3	76.7	NO
4	4	13C8-PFOA	1800313-01 REEPDW174FRB 0.12579	9.68e3	83.7	NO
5	5	13C9-PFNA	1800313-01 REEPDW174FRB 0.12579	1.10e4	89.2	NO
6	6	13C4-PFOS	1800313-01 REEPDW174FRB 0.12579	2.86e3	89.0	NO
7	7	13C6-PFDA	1800313-01 REEPDW174FRB 0.12579	1.03e4	62.0	NO
8	8	13C7-PFUdA	1800313-01 REEPDW174FRB 0.12579	1.21e4	66.2	NO

Name: 180224M1_57, Date: 24-Feb-2018, Time: 23:07:15, ID: 1800313-02 REEPDW175FRB 0.12099, Description: REEPDW175FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800313-02 REEPDW175FRB 0.12099	1.15e4	129.0	NO
2	2	13C5-PFHxA	1800313-02 REEPDW175FRB 0.12099	1.18e4	85.7	NO
3	3	13C3-PFHxS	1800313-02 REEPDW175FRB 0.12099	3.00e3	80.5	NO
4	4	13C8-PFOA	1800313-02 REEPDW175FRB 0.12099	1.12e4	96.5	NO
5	5	13C9-PFNA	1800313-02 REEPDW175FRB 0.12099	1.09e4	88.5	NO
6	6	13C4-PFOS	1800313-02 REEPDW175FRB 0.12099	2.67e3	83.3	NO
7	7	13C6-PFDA	1800313-02 REEPDW175FRB 0.12099	1.09e4	65.2	NO
8	8	13C7-PFUdA	1800313-02 REEPDW175FRB 0.12099	1.24e4	67.4	NO

Name: 180224M1_58, Date: 24-Feb-2018, Time: 23:18:42, ID: 1800313-03 REEPDW176FRB 0.12295, Description: REEPDW176FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800313-03 REEPDW176FRB 0.12295	1.15e4	128.6	NO
2	2	13C5-PFHxA	1800313-03 REEPDW176FRB 0.12295	1.17e4	84.6	NO
3	3	13C3-PFHxS	1800313-03 REEPDW176FRB 0.12295	2.92e3	78.1	NO
4	4	13C8-PFOA	1800313-03 REEPDW176FRB 0.12295	9.76e3	84.4	NO
5	5	13C9-PFNA	1800313-03 REEPDW176FRB 0.12295	1.13e4	92.1	NO
6	6	13C4-PFOS	1800313-03 REEPDW176FRB 0.12295	3.17e3	98.7	NO
7	7	13C6-PFDA	1800313-03 REEPDW176FRB 0.12295	1.19e4	71.2	NO
8	8	13C7-PFUdA	1800313-03 REEPDW176FRB 0.12295	1.09e4	59.1	NO

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Name: 180224M1_59, Date: 24-Feb-2018, Time: 23:30:09, ID: 1800313-04 REEPDW177FRB 0.12439, Description: REEPDW177FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800313-04 REEPDW177FRB 0.12439	1.15e4	128.6	NO
2	2	13C5-PFHxA	1800313-04 REEPDW177FRB 0.12439	1.29e4	93.3	NO
3	3	13C3-PFHxS	1800313-04 REEPDW177FRB 0.12439	2.92e3	78.3	NO
4	4	13C8-PFOA	1800313-04 REEPDW177FRB 0.12439	1.16e4	100.0	NO
5	5	13C9-PFNA	1800313-04 REEPDW177FRB 0.12439	1.00e4	81.1	NO
6	6	13C4-PFOS	1800313-04 REEPDW177FRB 0.12439	3.20e3	99.8	NO
7	7	13C6-PFDA	1800313-04 REEPDW177FRB 0.12439	9.11e3	54.6	NO
8	8	13C7-PFUdA	1800313-04 REEPDW177FRB 0.12439	1.23e4	66.8	NO

Name: 180224M1_60, Date: 24-Feb-2018, Time: 23:41:35, ID: 1800313-05 REEPDW179FRB 0.12378, Description: REEPDW179FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800313-05 REEPDW179FRB 0.12378	1.13e4	126.6	NO
2	2	13C5-PFHxA	1800313-05 REEPDW179FRB 0.12378	1.17e4	85.0	NO
3	3	13C3-PFHxS	1800313-05 REEPDW179FRB 0.12378	3.00e3	80.4	NO
4	4	13C8-PFOA	1800313-05 REEPDW179FRB 0.12378	9.77e3	84.4	NO
5	5	13C9-PFNA	1800313-05 REEPDW179FRB 0.12378	1.14e4	92.6	NO
6	6	13C4-PFOS	1800313-05 REEPDW179FRB 0.12378	3.14e3	97.9	NO
7	7	13C6-PFDA	1800313-05 REEPDW179FRB 0.12378	1.16e4	69.7	NO
8	8	13C7-PFUdA	1800313-05 REEPDW179FRB 0.12378	1.37e4	74.3	NO

Name: 180224M1_61, Date: 24-Feb-2018, Time: 23:53:05, ID: 1800313-06 REEPDW178FRB 0.12129, Description: REEPDW178FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800313-06 REEPDW178FRB 0.12129	1.03e4	115.7	NO
2	2	13C5-PFHxA	1800313-06 REEPDW178FRB 0.12129	1.07e4	77.5	NO
3	3	13C3-PFHxS	1800313-06 REEPDW178FRB 0.12129	2.77e3	74.4	NO
4	4	13C8-PFOA	1800313-06 REEPDW178FRB 0.12129	9.56e3	82.6	NO
5	5	13C9-PFNA	1800313-06 REEPDW178FRB 0.12129	1.07e4	86.9	NO
6	6	13C4-PFOS	1800313-06 REEPDW178FRB 0.12129	2.71e3	84.5	NO
7	7	13C6-PFDA	1800313-06 REEPDW178FRB 0.12129	8.85e3	53.0	NO
8	8	13C7-PFUdA	1800313-06 REEPDW178FRB 0.12129	1.28e4	69.7	NO

Name: 180224M1_62, Date: 25-Feb-2018, Time: 00:04:36, ID: 1800313-07 REEPDW180FRB 0.12115, Description: REEPDW180FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800313-07 REEPDW180FRB 0.12115	1.09e4	121.9	NO
2	2	13C5-PFHxA	1800313-07 REEPDW180FRB 0.12115	1.12e4	81.3	NO
3	3	13C3-PFHxS	1800313-07 REEPDW180FRB 0.12115	3.26e3	87.3	NO
4	4	13C8-PFOA	1800313-07 REEPDW180FRB 0.12115	9.89e3	85.5	NO
5	5	13C9-PFNA	1800313-07 REEPDW180FRB 0.12115	1.07e4	86.6	NO
6	6	13C4-PFOS	1800313-07 REEPDW180FRB 0.12115	2.91e3	90.7	NO
7	7	13C6-PFDA	1800313-07 REEPDW180FRB 0.12115	9.58e3	57.4	NO
8	8	13C7-PFUdA	1800313-07 REEPDW180FRB 0.12115	1.25e4	68.3	NO

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Name: 180224M1_63, Date: 25-Feb-2018, Time: 00:16:03, ID: 1800318-01 REEPDW181 0.12681, Description: REEPDW181

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800318-01 REEPDW181 0.12681	1.08e4	120.6	NO
2	2	13C5-PFHxA	1800318-01 REEPDW181 0.12681	1.10e4	80.0	NO
3	3	13C3-PFHxS	1800318-01 REEPDW181 0.12681	3.08e3	82.6	NO
4	4	13C8-PFOA	1800318-01 REEPDW181 0.12681	1.02e4	88.3	NO
5	5	13C9-PFNA	1800318-01 REEPDW181 0.12681	1.13e4	91.6	NO
6	6	13C4-PFOS	1800318-01 REEPDW181 0.12681	2.54e3	79.1	NO
7	7	13C6-PFDA	1800318-01 REEPDW181 0.12681	1.09e4	65.1	NO
8	8	13C7-PFUdA	1800318-01 REEPDW181 0.12681	9.58e3	52.2	NO

Name: 180224M1_64, Date: 25-Feb-2018, Time: 00:27:32, ID: 1800318-02 REEPDW182 0.11511, Description: REEPDW182

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800318-02 REEPDW182 0.11511	9.14e3	102.2	NO
2	2	13C5-PFHxA	1800318-02 REEPDW182 0.11511	1.06e4	76.7	NO
3	3	13C3-PFHxS	1800318-02 REEPDW182 0.11511	2.71e3	72.5	NO
4	4	13C8-PFOA	1800318-02 REEPDW182 0.11511	8.10e3	70.0	NO
5	5	13C9-PFNA	1800318-02 REEPDW182 0.11511	8.43e3	68.4	NO
6	6	13C4-PFOS	1800318-02 REEPDW182 0.11511	2.40e3	74.9	NO
7	7	13C6-PFDA	1800318-02 REEPDW182 0.11511	1.01e4	60.7	NO
8	8	13C7-PFUdA	1800318-02 REEPDW182 0.11511	1.02e4	55.5	NO

Name: 180224M1_65, Date: 25-Feb-2018, Time: 00:39:02, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA	5.84e0	0.0	YES
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: 180224M1_66, Date: 25-Feb-2018, Time: 00:50:29, ID: ST180224M1-4 PFC CS0 18B2314, Description: PFC CS0 18B2314

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180224M1-4 PFC CS0 18B2314	8.15e3	91.2	NO
2	2	13C5-PFHxA	ST180224M1-4 PFC CS0 18B2314	1.35e4	97.9	NO
3	3	13C3-PFHxS	ST180224M1-4 PFC CS0 18B2314	3.86e3	103.4	NO
4	4	13C8-PFOA	ST180224M1-4 PFC CS0 18B2314	1.28e4	110.6	NO
5	5	13C9-PFNA	ST180224M1-4 PFC CS0 18B2314	1.40e4	113.4	NO
6	6	13C4-PFOS	ST180224M1-4 PFC CS0 18B2314	3.54e3	110.4	NO
7	7	13C6-PFDA	ST180224M1-4 PFC CS0 18B2314	1.12e4	66.9	NO
8	8	13C7-PFUdA	ST180224M1-4 PFC CS0 18B2314	1.34e4	73.2	NO

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Name: 180224M1_67, Date: 25-Feb-2018, Time: 01:01:59, 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: 180224M1_68, Date: 25-Feb-2018, Time: 01:13:29, ID: 1800318-03 REEPDW183 0.1239, Description: REEPDW183

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800318-03 REEPDW183 0.1239	1.06e4	118.3	NO
2	2	13C5-PFHxA	1800318-03 REEPDW183 0.1239	1.12e4	81.3	NO
3	3	13C3-PFHxS	1800318-03 REEPDW183 0.1239	2.81e3	75.2	NO
4	4	13C8-PFOA	1800318-03 REEPDW183 0.1239	1.03e4	89.1	NO
5	5	13C9-PFNA	1800318-03 REEPDW183 0.1239	1.14e4	92.3	NO
6	6	13C4-PFOS	1800318-03 REEPDW183 0.1239	2.54e3	79.1	NO
7	7	13C6-PFDA	1800318-03 REEPDW183 0.1239	9.69e3	58.1	NO
8	8	13C7-PFUdA	1800318-03 REEPDW183 0.1239	1.10e4	59.9	NO

Name: 180224M1_69, Date: 25-Feb-2018, Time: 01:24:58, ID: 1800318-04 REEPDW184 0.11402, Description: REEPDW184

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800318-04 REEPDW184 0.11402	1.15e4	128.9	NO
2	2	13C5-PFHxA	1800318-04 REEPDW184 0.11402	1.24e4	89.6	NO
3	3	13C3-PFHxS	1800318-04 REEPDW184 0.11402	3.25e3	87.1	NO
4	4	13C8-PFOA	1800318-04 REEPDW184 0.11402	1.16e4	100.5	NO
5	5	13C9-PFNA	1800318-04 REEPDW184 0.11402	1.58e4	128.1	NO
6	6	13C4-PFOS	1800318-04 REEPDW184 0.11402	3.34e3	103.9	NO
7	7	13C6-PFDA	1800318-04 REEPDW184 0.11402	1.19e4	71.2	NO
8	8	13C7-PFUdA	1800318-04 REEPDW184 0.11402	1.37e4	74.8	NO

Name: 180224M1_70, Date: 25-Feb-2018, Time: 01:36:24, ID: 1800318-05 REEPDW185 0.12148, Description: REEPDW185

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800318-05 REEPDW185 0.12148	1.07e4	120.1	NO
2	2	13C5-PFHxA	1800318-05 REEPDW185 0.12148	1.10e4	79.8	NO
3	3	13C3-PFHxS	1800318-05 REEPDW185 0.12148	2.98e3	79.8	NO
4	4	13C8-PFOA	1800318-05 REEPDW185 0.12148	9.18e3	79.3	NO
5	5	13C9-PFNA	1800318-05 REEPDW185 0.12148	1.06e4	85.8	NO
6	6	13C4-PFOS	1800318-05 REEPDW185 0.12148	3.26e3	101.7	NO
7	7	13C6-PFDA	1800318-05 REEPDW185 0.12148	8.59e3	51.5	NO
8	8	13C7-PFUdA	1800318-05 REEPDW185 0.12148	1.15e4	62.7	NO

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Name: 180224M1_71, Date: 25-Feb-2018, Time: 01:47:55, ID: B8B0096-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0096-BS1 OPR 0.125	7.35e3	82.3	NO
2	2 13C5-PFHxA	B8B0096-BS1 OPR 0.125	8.35e3	60.6	NO
3	3 13C3-PFHxS	B8B0096-BS1 OPR 0.125	2.44e3	65.5	NO
4	4 13C8-PFOA	B8B0096-BS1 OPR 0.125	7.94e3	68.6	NO
5	5 13C9-PFNA	B8B0096-BS1 OPR 0.125	8.33e3	67.6	NO
6	6 13C4-PFOS	B8B0096-BS1 OPR 0.125	2.49e3	77.7	NO
7	7 13C6-PFDA	B8B0096-BS1 OPR 0.125	7.21e3	43.2	YES
8	8 13C7-PFUdA	B8B0096-BS1 OPR 0.125	1.03e4	56.1	NO

Name: 180224M1_72, Date: 25-Feb-2018, Time: 01:59:24, ID: B8B0096-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0096-BLK1 Method Blank 0.125	8.09e3	90.6	NO
2	2 13C5-PFHxA	B8B0096-BLK1 Method Blank 0.125	8.71e3	63.2	NO
3	3 13C3-PFHxS	B8B0096-BLK1 Method Blank 0.125	2.58e3	69.1	NO
4	4 13C8-PFOA	B8B0096-BLK1 Method Blank 0.125	8.79e3	76.0	NO
5	5 13C9-PFNA	B8B0096-BLK1 Method Blank 0.125	9.86e3	80.0	NO
6	6 13C4-PFOS	B8B0096-BLK1 Method Blank 0.125	2.63e3	82.0	NO
7	7 13C6-PFDA	B8B0096-BLK1 Method Blank 0.125	5.86e3	35.2	YES
8	8 13C7-PFUdA	B8B0096-BLK1 Method Blank 0.125	9.31e3	50.7	NO

Name: 180224M1_73, Date: 25-Feb-2018, Time: 02:10:53, ID: B8B0096-MS1 Matrix Spike 0.11568, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0096-MS1 Matrix Spike 0.11568	5.32e3	59.5	NO
2	2 13C5-PFHxA	B8B0096-MS1 Matrix Spike 0.11568	6.39e3	46.4	YES
3	3 13C3-PFHxS	B8B0096-MS1 Matrix Spike 0.11568	2.15e3	57.7	NO
4	4 13C8-PFOA	B8B0096-MS1 Matrix Spike 0.11568	5.00e3	43.2	YES
5	5 13C9-PFNA	B8B0096-MS1 Matrix Spike 0.11568	6.98e3	56.7	NO
6	6 13C4-PFOS	B8B0096-MS1 Matrix Spike 0.11568	2.21e3	68.8	NO
7	7 13C6-PFDA	B8B0096-MS1 Matrix Spike 0.11568	5.16e3	30.9	YES
8	8 13C7-PFUdA	B8B0096-MS1 Matrix Spike 0.11568	7.56e3	41.2	YES

Name: 180224M1_74, Date: 25-Feb-2018, Time: 02:22:22, ID: B8B0096-MSD1 Matrix Spike Dup 0.1188, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0096-MSD1 Matrix Spike Dup 0.1188	4.89e3	54.7	NO
2	2 13C5-PFHxA	B8B0096-MSD1 Matrix Spike Dup 0.1188	5.07e3	36.8	YES
3	3 13C3-PFHxS	B8B0096-MSD1 Matrix Spike Dup 0.1188	2.27e3	60.8	NO
4	4 13C8-PFOA	B8B0096-MSD1 Matrix Spike Dup 0.1188	5.64e3	48.7	YES
5	5 13C9-PFNA	B8B0096-MSD1 Matrix Spike Dup 0.1188	5.60e3	45.4	YES
6	6 13C4-PFOS	B8B0096-MSD1 Matrix Spike Dup 0.1188	2.71e3	84.4	NO
7	7 13C6-PFDA	B8B0096-MSD1 Matrix Spike Dup 0.1188	4.68e3	28.0	YES
8	8 13C7-PFUdA	B8B0096-MSD1 Matrix Spike Dup 0.1188	6.52e3	35.5	YES

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Name: 180224M1_75, Date: 25-Feb-2018, Time: 02:33:49, ID: 1800298-01 REEPDW155 0.11708, Description: REEPDW155

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800298-01 REEPDW155 0.11708	5.73e3	64.1	NO
2	2	13C5-PFHxA	1800298-01 REEPDW155 0.11708	7.11e3	51.6	NO
3	3	13C3-PFHxS	1800298-01 REEPDW155 0.11708	2.35e3	62.9	NO
4	4	13C8-PFOA	1800298-01 REEPDW155 0.11708	6.07e3	52.4	NO
5	5	13C9-PFNA	1800298-01 REEPDW155 0.11708	6.70e3	54.4	NO
6	6	13C4-PFOS	1800298-01 REEPDW155 0.11708	2.60e3	80.9	NO
7	7	13C6-PFDA	1800298-01 REEPDW155 0.11708	6.28e3	37.6	YES
8	8	13C7-PFUdA	1800298-01 REEPDW155 0.11708	7.45e3	40.6	YES

Name: 180224M1_76, Date: 25-Feb-2018, Time: 02:45:16, ID: 1800298-02 REEPDW156 0.11596, Description: REEPDW156

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800298-02 REEPDW156 0.11596	5.65e3	63.3	NO
2	2	13C5-PFHxA	1800298-02 REEPDW156 0.11596	6.32e3	45.8	YES
3	3	13C3-PFHxS	1800298-02 REEPDW156 0.11596	2.20e3	58.8	NO
4	4	13C8-PFOA	1800298-02 REEPDW156 0.11596	5.35e3	46.3	YES
5	5	13C9-PFNA	1800298-02 REEPDW156 0.11596	6.21e3	50.4	NO
6	6	13C4-PFOS	1800298-02 REEPDW156 0.11596	2.51e3	78.2	NO
7	7	13C6-PFDA	1800298-02 REEPDW156 0.11596	5.42e3	32.5	YES
8	8	13C7-PFUdA	1800298-02 REEPDW156 0.11596	7.09e3	38.6	YES

Name: 180224M1_77, Date: 25-Feb-2018, Time: 02:56:46, ID: 1800298-03 REEPDW157 0.12015, Description: REEPDW157

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800298-03 REEPDW157 0.12015	4.87e3	54.5	NO
2	2	13C5-PFHxA	1800298-03 REEPDW157 0.12015	5.53e3	40.1	YES
3	3	13C3-PFHxS	1800298-03 REEPDW157 0.12015	2.16e3	58.0	NO
4	4	13C8-PFOA	1800298-03 REEPDW157 0.12015	6.10e3	52.7	NO
5	5	13C9-PFNA	1800298-03 REEPDW157 0.12015	6.11e3	49.6	YES
6	6	13C4-PFOS	1800298-03 REEPDW157 0.12015	2.39e3	74.4	NO
7	7	13C6-PFDA	1800298-03 REEPDW157 0.12015	6.87e3	41.2	YES
8	8	13C7-PFUdA	1800298-03 REEPDW157 0.12015	7.41e3	40.3	YES

Name: 180224M1_78, Date: 25-Feb-2018, Time: 03:08:15, ID: 1800298-04 REEPDW158 0.1178, Description: REEPDW158

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800298-04 REEPDW158 0.1178	5.12e3	57.3	NO
2	2	13C5-PFHxA	1800298-04 REEPDW158 0.1178	5.59e3	40.5	YES
3	3	13C3-PFHxS	1800298-04 REEPDW158 0.1178	2.26e3	60.6	NO
4	4	13C8-PFOA	1800298-04 REEPDW158 0.1178	5.34e3	46.2	YES
5	5	13C9-PFNA	1800298-04 REEPDW158 0.1178	6.28e3	51.0	NO
6	6	13C4-PFOS	1800298-04 REEPDW158 0.1178	2.24e3	69.7	NO
7	7	13C6-PFDA	1800298-04 REEPDW158 0.1178	6.10e3	36.6	YES
8	8	13C7-PFUdA	1800298-04 REEPDW158 0.1178	6.83e3	37.2	YES

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Name: 180224M1_79, Date: 25-Feb-2018, Time: 03:19:44, ID: 1800298-05 REEPDW159 0.11737, Description: REEPDW159

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800298-05 REEPDW159 0.11737	5.46e3	61.1	NO
2	2	13C5-PFHxA	1800298-05 REEPDW159 0.11737	5.61e3	40.7	YES
3	3	13C3-PFHxS	1800298-05 REEPDW159 0.11737	2.12e3	57.0	NO
4	4	13C8-PFOA	1800298-05 REEPDW159 0.11737	5.91e3	51.1	NO
5	5	13C9-PFNA	1800298-05 REEPDW159 0.11737	5.89e3	47.8	YES
6	6	13C4-PFOS	1800298-05 REEPDW159 0.11737	2.19e3	68.2	NO
7	7	13C6-PFDA	1800298-05 REEPDW159 0.11737	5.64e3	33.8	YES
8	8	13C7-PFUdA	1800298-05 REEPDW159 0.11737	8.04e3	43.8	YES

Name: 180224M1_80, Date: 25-Feb-2018, Time: 03:31:04, ID: 1800299-01 REEPDW155FRB 0.11474, Description: REEPDW155FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800299-01 REEPDW155FRB 0.11474	8.39e3	93.9	NO
2	2	13C5-PFHxA	1800299-01 REEPDW155FRB 0.11474	8.54e3	61.9	NO
3	3	13C3-PFHxS	1800299-01 REEPDW155FRB 0.11474	2.73e3	73.3	NO
4	4	13C8-PFOA	1800299-01 REEPDW155FRB 0.11474	7.69e3	66.5	NO
5	5	13C9-PFNA	1800299-01 REEPDW155FRB 0.11474	9.48e3	77.0	NO
6	6	13C4-PFOS	1800299-01 REEPDW155FRB 0.11474	2.79e3	86.9	NO
7	7	13C6-PFDA	1800299-01 REEPDW155FRB 0.11474	7.81e3	46.8	YES
8	8	13C7-PFUdA	1800299-01 REEPDW155FRB 0.11474	8.96e3	48.8	YES

Name: 180224M1_81, Date: 25-Feb-2018, Time: 03:42:32, ID: 1800299-02 REEPDW156FRB 0.1178, Description: REEPDW156FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800299-02 REEPDW156FRB 0.1178	7.44e3	83.2	NO
2	2	13C5-PFHxA	1800299-02 REEPDW156FRB 0.1178	7.63e3	55.3	NO
3	3	13C3-PFHxS	1800299-02 REEPDW156FRB 0.1178	2.31e3	61.8	NO
4	4	13C8-PFOA	1800299-02 REEPDW156FRB 0.1178	7.16e3	61.9	NO
5	5	13C9-PFNA	1800299-02 REEPDW156FRB 0.1178	8.20e3	66.6	NO
6	6	13C4-PFOS	1800299-02 REEPDW156FRB 0.1178	2.29e3	71.2	NO
7	7	13C6-PFDA	1800299-02 REEPDW156FRB 0.1178	6.62e3	39.7	YES
8	8	13C7-PFUdA	1800299-02 REEPDW156FRB 0.1178	9.62e3	52.4	NO

Name: 180224M1_82, Date: 25-Feb-2018, Time: 03:54:01, ID: 1800299-03 REEPDW157FRB 0.11643, Description: REEPDW157FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800299-03 REEPDW157FRB 0.11643	7.77e3	87.0	NO
2	2	13C5-PFHxA	1800299-03 REEPDW157FRB 0.11643	8.69e3	63.1	NO
3	3	13C3-PFHxS	1800299-03 REEPDW157FRB 0.11643	2.53e3	67.7	NO
4	4	13C8-PFOA	1800299-03 REEPDW157FRB 0.11643	8.60e3	74.3	NO
5	5	13C9-PFNA	1800299-03 REEPDW157FRB 0.11643	8.15e3	66.2	NO
6	6	13C4-PFOS	1800299-03 REEPDW157FRB 0.11643	2.51e3	78.2	NO
7	7	13C6-PFDA	1800299-03 REEPDW157FRB 0.11643	6.58e3	39.5	YES
8	8	13C7-PFUdA	1800299-03 REEPDW157FRB 0.11643	8.02e3	43.7	YES

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Name: 180224M1_83, Date: 25-Feb-2018, Time: 04:05:31, ID: 1800299-04 REEPDW158FRB 0.11892, Description: REEPDW158FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800299-04 REEPDW158FRB 0.11892	7.02e3	78.6	NO
2	2	13C5-PFHxA	1800299-04 REEPDW158FRB 0.11892	7.98e3	57.9	NO
3	3	13C3-PFHxS	1800299-04 REEPDW158FRB 0.11892	2.19e3	58.8	NO
4	4	13C8-PFOA	1800299-04 REEPDW158FRB 0.11892	7.12e3	61.6	NO
5	5	13C9-PFNA	1800299-04 REEPDW158FRB 0.11892	7.71e3	62.6	NO
6	6	13C4-PFOS	1800299-04 REEPDW158FRB 0.11892	2.34e3	72.8	NO
7	7	13C6-PFDA	1800299-04 REEPDW158FRB 0.11892	7.16e3	42.9	YES
8	8	13C7-PFUdA	1800299-04 REEPDW158FRB 0.11892	9.05e3	49.3	YES

Name: 180224M1_84, Date: 25-Feb-2018, Time: 04:17:00, ID: 1800299-05 REEPDW159FRB 0.11693, Description: REEPDW159FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800299-05 REEPDW159FRB 0.11693	6.54e3	73.2	NO
2	2	13C5-PFHxA	1800299-05 REEPDW159FRB 0.11693	7.90e3	57.3	NO
3	3	13C3-PFHxS	1800299-05 REEPDW159FRB 0.11693	2.08e3	55.7	NO
4	4	13C8-PFOA	1800299-05 REEPDW159FRB 0.11693	8.10e3	70.0	NO
5	5	13C9-PFNA	1800299-05 REEPDW159FRB 0.11693	7.93e3	64.4	NO
6	6	13C4-PFOS	1800299-05 REEPDW159FRB 0.11693	2.18e3	67.9	NO
7	7	13C6-PFDA	1800299-05 REEPDW159FRB 0.11693	6.74e3	40.4	YES
8	8	13C7-PFUdA	1800299-05 REEPDW159FRB 0.11693	9.21e3	50.2	NO

Name: 180224M1_85, Date: 25-Feb-2018, Time: 04:28:26, ID: 1800301-01 REEPDW160 0.11595, Description: REEPDW160

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800301-01 REEPDW160 0.11595	5.69e3	63.7	NO
2	2	13C5-PFHxA	1800301-01 REEPDW160 0.11595	6.36e3	46.2	YES
3	3	13C3-PFHxS	1800301-01 REEPDW160 0.11595	2.36e3	63.3	NO
4	4	13C8-PFOA	1800301-01 REEPDW160 0.11595	5.65e3	48.8	YES
5	5	13C9-PFNA	1800301-01 REEPDW160 0.11595	6.19e3	50.2	NO
6	6	13C4-PFOS	1800301-01 REEPDW160 0.11595	2.44e3	76.1	NO
7	7	13C6-PFDA	1800301-01 REEPDW160 0.11595	6.94e3	41.6	YES
8	8	13C7-PFUdA	1800301-01 REEPDW160 0.11595	7.39e3	40.2	YES

Name: 180224M1_86, Date: 25-Feb-2018, Time: 04:39:56, ID: 1800301-02 REEPDW515 0.11695, Description: REEPDW515

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800301-02 REEPDW515 0.11695	6.64e3	74.3	NO
2	2	13C5-PFHxA	1800301-02 REEPDW515 0.11695	7.62e3	55.2	NO
3	3	13C3-PFHxS	1800301-02 REEPDW515 0.11695	2.05e3	54.9	NO
4	4	13C8-PFOA	1800301-02 REEPDW515 0.11695	6.26e3	54.1	NO
5	5	13C9-PFNA	1800301-02 REEPDW515 0.11695	7.67e3	62.2	NO
6	6	13C4-PFOS	1800301-02 REEPDW515 0.11695	2.35e3	73.2	NO
7	7	13C6-PFDA	1800301-02 REEPDW515 0.11695	7.37e3	44.2	YES
8	8	13C7-PFUdA	1800301-02 REEPDW515 0.11695	8.09e3	44.0	YES

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Name: 180224M1_87, Date: 25-Feb-2018, Time: 04:51:25, 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	6.26e0	0.0	YES

Name: 180224M1_88, Date: 25-Feb-2018, Time: 05:02:52, ID: ST180224M1-5 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180224M1-5 PFC CS3 18B2317	8.75e3	98.0	NO
2	2	13C5-PFHxA	ST180224M1-5 PFC CS3 18B2317	1.48e4	107.6	NO
3	3	13C3-PFHxS	ST180224M1-5 PFC CS3 18B2317	3.60e3	96.4	NO
4	4	13C8-PFOA	ST180224M1-5 PFC CS3 18B2317	1.21e4	104.7	NO
5	5	13C9-PFNA	ST180224M1-5 PFC CS3 18B2317	1.38e4	111.7	NO
6	6	13C4-PFOS	ST180224M1-5 PFC CS3 18B2317	3.74e3	116.5	NO
7	7	13C6-PFDA	ST180224M1-5 PFC CS3 18B2317	1.22e4	73.2	NO
8	8	13C7-PFUdA	ST180224M1-5 PFC CS3 18B2317	1.36e4	73.8	NO

Name: 180224M1_89, Date: 25-Feb-2018, Time: 05:14:21, 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: 180224M1_90, Date: 25-Feb-2018, Time: 05:25:51, ID: 1800301-03 REEPDW161 0.11505, Description: REEPDW161

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800301-03 REEPDW161 0.11505	5.99e3	67.0	NO
2	2	13C5-PFHxA	1800301-03 REEPDW161 0.11505	6.62e3	48.0	YES
3	3	13C3-PFHxS	1800301-03 REEPDW161 0.11505	2.04e3	54.6	NO
4	4	13C8-PFOA	1800301-03 REEPDW161 0.11505	6.87e3	59.4	NO
5	5	13C9-PFNA	1800301-03 REEPDW161 0.11505	5.77e3	46.8	YES
6	6	13C4-PFOS	1800301-03 REEPDW161 0.11505	2.08e3	64.9	NO
7	7	13C6-PFDA	1800301-03 REEPDW161 0.11505	6.62e3	39.7	YES
8	8	13C7-PFUdA	1800301-03 REEPDW161 0.11505	7.08e3	38.6	YES

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Name: 180224M1_91, Date: 25-Feb-2018, Time: 05:37:21, ID: 1800301-04 REEPDW162 0.11664, Description: REEPDW162

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800301-04 REEPDW162 0.11664	7.09e3	79.4	NO
2	2	13C5-PFHxA	1800301-04 REEPDW162 0.11664	8.07e3	58.5	NO
3	3	13C3-PFHxS	1800301-04 REEPDW162 0.11664	2.34e3	62.8	NO
4	4	13C8-PFOA	1800301-04 REEPDW162 0.11664	6.53e3	56.5	NO
5	5	13C9-PFNA	1800301-04 REEPDW162 0.11664	9.01e3	73.1	NO
6	6	13C4-PFOS	1800301-04 REEPDW162 0.11664	2.25e3	70.2	NO
7	7	13C6-PFDA	1800301-04 REEPDW162 0.11664	7.24e3	43.4	YES
8	8	13C7-PFUdA	1800301-04 REEPDW162 0.11664	9.70e3	52.9	NO

Name: 180224M1_92, Date: 25-Feb-2018, Time: 05:48:48, ID: 1800301-05 REEPDW163 0.11483, Description: REEPDW163

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800301-05 REEPDW163 0.11483	5.92e3	66.2	NO
2	2	13C5-PFHxA	1800301-05 REEPDW163 0.11483	6.26e3	45.4	YES
3	3	13C3-PFHxS	1800301-05 REEPDW163 0.11483	2.09e3	56.1	NO
4	4	13C8-PFOA	1800301-05 REEPDW163 0.11483	6.28e3	54.3	NO
5	5	13C9-PFNA	1800301-05 REEPDW163 0.11483	7.00e3	56.9	NO
6	6	13C4-PFOS	1800301-05 REEPDW163 0.11483	2.29e3	71.5	NO
7	7	13C6-PFDA	1800301-05 REEPDW163 0.11483	6.95e3	41.7	YES
8	8	13C7-PFUdA	1800301-05 REEPDW163 0.11483	8.58e3	46.7	YES

Name: 180224M1_93, Date: 25-Feb-2018, Time: 06:00:15, ID: 1800302-01 REEPDW160FRB 0.11761, Description: REEPDW160FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800302-01 REEPDW160FRB 0.11761	7.23e3	80.9	NO
2	2	13C5-PFHxA	1800302-01 REEPDW160FRB 0.11761	8.10e3	58.7	NO
3	3	13C3-PFHxS	1800302-01 REEPDW160FRB 0.11761	2.18e3	58.6	NO
4	4	13C8-PFOA	1800302-01 REEPDW160FRB 0.11761	6.89e3	59.5	NO
5	5	13C9-PFNA	1800302-01 REEPDW160FRB 0.11761	8.19e3	66.4	NO
6	6	13C4-PFOS	1800302-01 REEPDW160FRB 0.11761	2.43e3	75.6	NO
7	7	13C6-PFDA	1800302-01 REEPDW160FRB 0.11761	9.02e3	54.1	NO
8	8	13C7-PFUdA	1800302-01 REEPDW160FRB 0.11761	8.60e3	46.8	YES

Name: 180224M1_94, Date: 25-Feb-2018, Time: 06:11:42, ID: 1800302-02 REEPDW161FRB 0.1172, Description: REEPDW161FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800302-02 REEPDW161FRB 0.1172	6.79e3	76.0	NO
2	2	13C5-PFHxA	1800302-02 REEPDW161FRB 0.1172	7.76e3	56.3	NO
3	3	13C3-PFHxS	1800302-02 REEPDW161FRB 0.1172	2.49e3	66.7	NO
4	4	13C8-PFOA	1800302-02 REEPDW161FRB 0.1172	7.28e3	62.9	NO
5	5	13C9-PFNA	1800302-02 REEPDW161FRB 0.1172	8.03e3	65.2	NO
6	6	13C4-PFOS	1800302-02 REEPDW161FRB 0.1172	2.26e3	70.5	NO
7	7	13C6-PFDA	1800302-02 REEPDW161FRB 0.1172	7.08e3	42.5	YES
8	8	13C7-PFUdA	1800302-02 REEPDW161FRB 0.1172	8.85e3	48.2	YES

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Name: 180224M1_95, Date: 25-Feb-2018, Time: 06:23:09, ID: 1800302-03 REEPDW162FRB 0.11535, Description: REEPDW162FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800302-03 REEPDW162FRB 0.11535	7.23e3	80.9	NO
2	2	13C5-PFHxA	1800302-03 REEPDW162FRB 0.11535	8.37e3	60.7	NO
3	3	13C3-PFHxS	1800302-03 REEPDW162FRB 0.11535	2.09e3	56.1	NO
4	4	13C8-PFOA	1800302-03 REEPDW162FRB 0.11535	6.49e3	56.1	NO
5	5	13C9-PFNA	1800302-03 REEPDW162FRB 0.11535	8.07e3	65.5	NO
6	6	13C4-PFOS	1800302-03 REEPDW162FRB 0.11535	2.08e3	64.9	NO
7	7	13C6-PFDA	1800302-03 REEPDW162FRB 0.11535	8.81e3	52.8	NO
8	8	13C7-PFUdA	1800302-03 REEPDW162FRB 0.11535	9.95e3	54.2	NO

Name: 180224M1_96, Date: 25-Feb-2018, Time: 06:34:35, ID: 1800302-04 REEPDW163FRB 0.11575, Description: REEPDW163FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800302-04 REEPDW163FRB 0.11575	7.06e3	79.1	NO
2	2	13C5-PFHxA	1800302-04 REEPDW163FRB 0.11575	8.83e3	64.0	NO
3	3	13C3-PFHxS	1800302-04 REEPDW163FRB 0.11575	2.05e3	55.0	NO
4	4	13C8-PFOA	1800302-04 REEPDW163FRB 0.11575	7.16e3	61.9	NO
5	5	13C9-PFNA	1800302-04 REEPDW163FRB 0.11575	8.64e3	70.1	NO
6	6	13C4-PFOS	1800302-04 REEPDW163FRB 0.11575	2.43e3	75.6	NO
7	7	13C6-PFDA	1800302-04 REEPDW163FRB 0.11575	7.34e3	44.0	YES
8	8	13C7-PFUdA	1800302-04 REEPDW163FRB 0.11575	1.08e4	58.7	NO

Name: 180224M1_97, Date: 25-Feb-2018, Time: 06:46:02, ID: B8B0111-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0111-BS1 OPR 0.125	8.39e3	93.9	NO
2	2	13C5-PFHxA	B8B0111-BS1 OPR 0.125	9.47e3	68.7	NO
3	3	13C3-PFHxS	B8B0111-BS1 OPR 0.125	2.59e3	69.4	NO
4	4	13C8-PFOA	B8B0111-BS1 OPR 0.125	9.78e3	84.6	NO
5	5	13C9-PFNA	B8B0111-BS1 OPR 0.125	1.10e4	89.0	NO
6	6	13C4-PFOS	B8B0111-BS1 OPR 0.125	2.91e3	90.8	NO
7	7	13C6-PFDA	B8B0111-BS1 OPR 0.125	1.02e4	61.0	NO
8	8	13C7-PFUdA	B8B0111-BS1 OPR 0.125	1.40e4	76.4	NO

Name: 180224M1_98, Date: 25-Feb-2018, Time: 06:57:33, ID: B8B0111-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0111-BLK1 Method Blank 0.125	8.43e3	94.4	NO
2	2	13C5-PFHxA	B8B0111-BLK1 Method Blank 0.125	8.71e3	63.2	NO
3	3	13C3-PFHxS	B8B0111-BLK1 Method Blank 0.125	2.85e3	76.3	NO
4	4	13C8-PFOA	B8B0111-BLK1 Method Blank 0.125	8.01e3	69.2	NO
5	5	13C9-PFNA	B8B0111-BLK1 Method Blank 0.125	9.09e3	73.8	NO
6	6	13C4-PFOS	B8B0111-BLK1 Method Blank 0.125	2.79e3	87.0	NO
7	7	13C6-PFDA	B8B0111-BLK1 Method Blank 0.125	8.79e3	52.7	NO
8	8	13C7-PFUdA	B8B0111-BLK1 Method Blank 0.125	1.19e4	64.9	NO

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Name: 180224M1_99, Date: 25-Feb-2018, Time: 07:09:00, ID: B8B0111-MS1 Matrix Spike 0.11922, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0111-MS1 Matrix Spike 0.11922	8.57e3	95.9	NO
2	2	13C5-PFHxA	B8B0111-MS1 Matrix Spike 0.11922	9.45e3	68.6	NO
3	3	13C3-PFHxS	B8B0111-MS1 Matrix Spike 0.11922	2.60e3	69.6	NO
4	4	13C8-PFOA	B8B0111-MS1 Matrix Spike 0.11922	8.42e3	72.8	NO
5	5	13C9-PFNA	B8B0111-MS1 Matrix Spike 0.11922	9.59e3	77.8	NO
6	6	13C4-PFOS	B8B0111-MS1 Matrix Spike 0.11922	2.53e3	78.9	NO
7	7	13C6-PFDA	B8B0111-MS1 Matrix Spike 0.11922	1.07e4	64.4	NO
8	8	13C7-PFUdA	B8B0111-MS1 Matrix Spike 0.11922	1.10e4	59.7	NO

Name: 180224M1_100, Date: 25-Feb-2018, Time: 07:20:29, ID: B8B0111-MSD1 Matrix Spike Dup 0.1198, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0111-MSD1 Matrix Spike Dup 0.1198	8.19e3	91.7	NO
2	2	13C5-PFHxA	B8B0111-MSD1 Matrix Spike Dup 0.1198	9.18e3	66.6	NO
3	3	13C3-PFHxS	B8B0111-MSD1 Matrix Spike Dup 0.1198	2.23e3	59.7	NO
4	4	13C8-PFOA	B8B0111-MSD1 Matrix Spike Dup 0.1198	7.38e3	63.8	NO
5	5	13C9-PFNA	B8B0111-MSD1 Matrix Spike Dup 0.1198	1.09e4	88.2	NO
6	6	13C4-PFOS	B8B0111-MSD1 Matrix Spike Dup 0.1198	2.26e3	70.3	NO
7	7	13C6-PFDA	B8B0111-MSD1 Matrix Spike Dup 0.1198	8.53e3	51.1	NO
8	8	13C7-PFUdA	B8B0111-MSD1 Matrix Spike Dup 0.1198	1.03e4	56.3	NO

Name: 180224M1_101, Date: 25-Feb-2018, Time: 07:31:56, ID: 1800308-01 OF-RW55-0218 0.11519, Description: OF-RW55-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-01 OF-RW55-0218 0.11519	8.52e3	95.3	NO
2	2	13C5-PFHxA	1800308-01 OF-RW55-0218 0.11519	9.99e3	72.4	NO
3	3	13C3-PFHxS	1800308-01 OF-RW55-0218 0.11519	2.65e3	71.1	NO
4	4	13C8-PFOA	1800308-01 OF-RW55-0218 0.11519	7.76e3	67.1	NO
5	5	13C9-PFNA	1800308-01 OF-RW55-0218 0.11519	9.84e3	79.8	NO
6	6	13C4-PFOS	1800308-01 OF-RW55-0218 0.11519	2.86e3	89.1	NO
7	7	13C6-PFDA	1800308-01 OF-RW55-0218 0.11519	8.89e3	53.3	NO
8	8	13C7-PFUdA	1800308-01 OF-RW55-0218 0.11519	1.09e4	59.4	NO

Name: 180224M1_102, Date: 25-Feb-2018, Time: 07:43:23, ID: 1800308-02 OF-RW55P-0218 0.11586, Description: OF-RW55P-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-02 OF-RW55P-0218 0.11586	8.18e3	91.5	NO
2	2	13C5-PFHxA	1800308-02 OF-RW55P-0218 0.11586	9.82e3	71.2	NO
3	3	13C3-PFHxS	1800308-02 OF-RW55P-0218 0.11586	2.66e3	71.3	NO
4	4	13C8-PFOA	1800308-02 OF-RW55P-0218 0.11586	8.60e3	74.4	NO
5	5	13C9-PFNA	1800308-02 OF-RW55P-0218 0.11586	8.76e3	71.1	NO
6	6	13C4-PFOS	1800308-02 OF-RW55P-0218 0.11586	2.72e3	84.6	NO
7	7	13C6-PFDA	1800308-02 OF-RW55P-0218 0.11586	9.15e3	54.8	NO
8	8	13C7-PFUdA	1800308-02 OF-RW55P-0218 0.11586	1.05e4	57.0	NO

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Name: 180224M1_103, Date: 25-Feb-2018, Time: 07:54:50, ID: 1800308-03 OF-FB55-0218 0.11289, Description: OF-FB55-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-03 OF-FB55-0218 0.11289	8.17e3	91.4	NO
2	2	13C5-PFHxA	1800308-03 OF-FB55-0218 0.11289	9.44e3	68.5	NO
3	3	13C3-PFHxS	1800308-03 OF-FB55-0218 0.11289	2.39e3	64.2	NO
4	4	13C8-PFOA	1800308-03 OF-FB55-0218 0.11289	9.36e3	80.9	NO
5	5	13C9-PFNA	1800308-03 OF-FB55-0218 0.11289	8.83e3	71.7	NO
6	6	13C4-PFOS	1800308-03 OF-FB55-0218 0.11289	2.69e3	84.0	NO
7	7	13C6-PFDA	1800308-03 OF-FB55-0218 0.11289	8.74e3	52.4	NO
8	8	13C7-PFUdA	1800308-03 OF-FB55-0218 0.11289	1.08e4	59.0	NO

Name: 180224M1_104, Date: 25-Feb-2018, Time: 08:06:17, ID: 1800308-04 OF-RW56-0218 0.11816, Description: OF-RW56-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-04 OF-RW56-0218 0.11816	6.98e3	78.1	NO
2	2	13C5-PFHxA	1800308-04 OF-RW56-0218 0.11816	8.42e3	61.1	NO
3	3	13C3-PFHxS	1800308-04 OF-RW56-0218 0.11816	2.30e3	61.6	NO
4	4	13C8-PFOA	1800308-04 OF-RW56-0218 0.11816	7.02e3	60.7	NO
5	5	13C9-PFNA	1800308-04 OF-RW56-0218 0.11816	8.58e3	69.6	NO
6	6	13C4-PFOS	1800308-04 OF-RW56-0218 0.11816	2.49e3	77.6	NO
7	7	13C6-PFDA	1800308-04 OF-RW56-0218 0.11816	8.97e3	53.8	NO
8	8	13C7-PFUdA	1800308-04 OF-RW56-0218 0.11816	1.19e4	64.8	NO

Name: 180224M1_105, Date: 25-Feb-2018, Time: 08:17:47, ID: 1800308-05 OF-FB56-0218 0.11044, Description: OF-FB56-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-05 OF-FB56-0218 0.11044	7.62e3	85.3	NO
2	2	13C5-PFHxA	1800308-05 OF-FB56-0218 0.11044	8.75e3	63.4	NO
3	3	13C3-PFHxS	1800308-05 OF-FB56-0218 0.11044	2.33e3	62.3	NO
4	4	13C8-PFOA	1800308-05 OF-FB56-0218 0.11044	8.15e3	70.5	NO
5	5	13C9-PFNA	1800308-05 OF-FB56-0218 0.11044	9.47e3	76.8	NO
6	6	13C4-PFOS	1800308-05 OF-FB56-0218 0.11044	2.54e3	79.1	NO
7	7	13C6-PFDA	1800308-05 OF-FB56-0218 0.11044	1.00e4	60.1	NO
8	8	13C7-PFUdA	1800308-05 OF-FB56-0218 0.11044	1.08e4	59.0	NO

Name: 180224M1_106, Date: 25-Feb-2018, Time: 08:29:15, ID: 1800308-06 OF-RW53-0218 0.11594, Description: OF-RW53-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-06 OF-RW53-0218 0.11594	8.15e3	91.2	NO
2	2	13C5-PFHxA	1800308-06 OF-RW53-0218 0.11594	9.77e3	70.9	NO
3	3	13C3-PFHxS	1800308-06 OF-RW53-0218 0.11594	2.94e3	78.9	NO
4	4	13C8-PFOA	1800308-06 OF-RW53-0218 0.11594	8.05e3	69.6	NO
5	5	13C9-PFNA	1800308-06 OF-RW53-0218 0.11594	9.21e3	74.7	NO
6	6	13C4-PFOS	1800308-06 OF-RW53-0218 0.11594	2.71e3	84.6	NO
7	7	13C6-PFDA	1800308-06 OF-RW53-0218 0.11594	9.47e3	56.8	NO
8	8	13C7-PFUdA	1800308-06 OF-RW53-0218 0.11594	1.35e4	73.6	NO

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Name: 180224M1_107, Date: 25-Feb-2018, Time: 08:40:42, ID: 1800308-07 OF-FB53-0218 0.11932, Description: OF-FB53-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-07 OF-FB53-0218 0.11932	8.70e3	97.4	NO
2	2	13C5-PFHxA	1800308-07 OF-FB53-0218 0.11932	9.21e3	66.8	NO
3	3	13C3-PFHxS	1800308-07 OF-FB53-0218 0.11932	2.58e3	69.3	NO
4	4	13C8-PFOA	1800308-07 OF-FB53-0218 0.11932	9.46e3	81.8	NO
5	5	13C9-PFNA	1800308-07 OF-FB53-0218 0.11932	1.07e4	86.7	NO
6	6	13C4-PFOS	1800308-07 OF-FB53-0218 0.11932	2.41e3	75.2	NO
7	7	13C6-PFDA	1800308-07 OF-FB53-0218 0.11932	1.02e4	60.9	NO
8	8	13C7-PFUdA	1800308-07 OF-FB53-0218 0.11932	1.12e4	60.8	NO

Name: 180224M1_108, Date: 25-Feb-2018, Time: 08:52:09, ID: 1800308-08 OF-RW68-0218 0.11919, Description: OF-RW68-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-08 OF-RW68-0218 0.11919	7.92e3	88.7	NO
2	2	13C5-PFHxA	1800308-08 OF-RW68-0218 0.11919	8.47e3	61.4	NO
3	3	13C3-PFHxS	1800308-08 OF-RW68-0218 0.11919	2.22e3	59.4	NO
4	4	13C8-PFOA	1800308-08 OF-RW68-0218 0.11919	8.91e3	77.0	NO
5	5	13C9-PFNA	1800308-08 OF-RW68-0218 0.11919	9.16e3	74.3	NO
6	6	13C4-PFOS	1800308-08 OF-RW68-0218 0.11919	2.38e3	74.1	NO
7	7	13C6-PFDA	1800308-08 OF-RW68-0218 0.11919	9.92e3	59.5	NO
8	8	13C7-PFUdA	1800308-08 OF-RW68-0218 0.11919	1.08e4	58.7	NO

Name: 180224M1_109, Date: 25-Feb-2018, Time: 09:03:36, ID: 1800308-09 OF-FB68-0218 0.11842, Description: OF-FB68-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-09 OF-FB68-0218 0.11842	7.82e3	87.5	NO
2	2	13C5-PFHxA	1800308-09 OF-FB68-0218 0.11842	9.10e3	66.0	NO
3	3	13C3-PFHxS	1800308-09 OF-FB68-0218 0.11842	2.61e3	70.0	NO
4	4	13C8-PFOA	1800308-09 OF-FB68-0218 0.11842	8.01e3	69.2	NO
5	5	13C9-PFNA	1800308-09 OF-FB68-0218 0.11842	9.63e3	78.1	NO
6	6	13C4-PFOS	1800308-09 OF-FB68-0218 0.11842	2.49e3	77.7	NO
7	7	13C6-PFDA	1800308-09 OF-FB68-0218 0.11842	8.91e3	53.4	NO
8	8	13C7-PFUdA	1800308-09 OF-FB68-0218 0.11842	1.00e4	54.4	NO

Name: 180224M1_110, Date: 25-Feb-2018, Time: 09:15:05, ID: 1800308-10 OF-RW54-0218 0.07054, Description: OF-RW54-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-10 OF-RW54-0218 0.07054	8.25e3	92.3	NO
2	2	13C5-PFHxA	1800308-10 OF-RW54-0218 0.07054	9.23e3	67.0	NO
3	3	13C3-PFHxS	1800308-10 OF-RW54-0218 0.07054	2.53e3	67.9	NO
4	4	13C8-PFOA	1800308-10 OF-RW54-0218 0.07054	8.14e3	70.4	NO
5	5	13C9-PFNA	1800308-10 OF-RW54-0218 0.07054	9.66e3	78.4	NO
6	6	13C4-PFOS	1800308-10 OF-RW54-0218 0.07054	2.49e3	77.6	NO
7	7	13C6-PFDA	1800308-10 OF-RW54-0218 0.07054	9.67e3	58.0	NO
8	8	13C7-PFUdA	1800308-10 OF-RW54-0218 0.07054	1.07e4	58.1	NO

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Name: 180224M1_111, Date: 25-Feb-2018, Time: 09:26:31, ID: 1800308-11 OF-FB54-0218 0.11801, Description: OF-FB54-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-11 OF-FB54-0218 0.11801	7.91e3	88.6	NO
2	2	13C5-PFHxA	1800308-11 OF-FB54-0218 0.11801	8.98e3	65.2	NO
3	3	13C3-PFHxS	1800308-11 OF-FB54-0218 0.11801	2.35e3	63.0	NO
4	4	13C8-PFOA	1800308-11 OF-FB54-0218 0.11801	7.86e3	68.0	NO
5	5	13C9-PFNA	1800308-11 OF-FB54-0218 0.11801	8.34e3	67.7	NO
6	6	13C4-PFOS	1800308-11 OF-FB54-0218 0.11801	2.80e3	87.1	NO
7	7	13C6-PFDA	1800308-11 OF-FB54-0218 0.11801	7.04e3	42.2	YES
8	8	13C7-PFUdA	1800308-11 OF-FB54-0218 0.11801	1.02e4	55.3	NO

Name: 180224M1_112, Date: 25-Feb-2018, Time: 09:38:01, ID: 1800308-12 OF-RW69-0218 0.11701, Description: OF-RW69-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-12 OF-RW69-0218 0.11701	8.57e3	95.9	NO
2	2	13C5-PFHxA	1800308-12 OF-RW69-0218 0.11701	9.33e3	67.7	NO
3	3	13C3-PFHxS	1800308-12 OF-RW69-0218 0.11701	2.58e3	69.1	NO
4	4	13C8-PFOA	1800308-12 OF-RW69-0218 0.11701	8.70e3	75.2	NO
5	5	13C9-PFNA	1800308-12 OF-RW69-0218 0.11701	9.68e3	78.6	NO
6	6	13C4-PFOS	1800308-12 OF-RW69-0218 0.11701	2.60e3	81.1	NO
7	7	13C6-PFDA	1800308-12 OF-RW69-0218 0.11701	9.02e3	54.1	NO
8	8	13C7-PFUdA	1800308-12 OF-RW69-0218 0.11701	1.13e4	61.7	NO

Name: 180224M1_113, Date: 25-Feb-2018, Time: 09:49:31, ID: 1800308-13 OF-FB69-0218 0.1193, Description: OF-FB69-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-13 OF-FB69-0218 0.1193	8.37e3	93.6	NO
2	2	13C5-PFHxA	1800308-13 OF-FB69-0218 0.1193	1.05e4	76.4	NO
3	3	13C3-PFHxS	1800308-13 OF-FB69-0218 0.1193	2.83e3	75.8	NO
4	4	13C8-PFOA	1800308-13 OF-FB69-0218 0.1193	8.55e3	73.9	NO
5	5	13C9-PFNA	1800308-13 OF-FB69-0218 0.1193	1.04e4	84.5	NO
6	6	13C4-PFOS	1800308-13 OF-FB69-0218 0.1193	3.42e3	106.7	NO
7	7	13C6-PFDA	1800308-13 OF-FB69-0218 0.1193	1.00e4	60.0	NO
8	8	13C7-PFUdA	1800308-13 OF-FB69-0218 0.1193	1.07e4	58.5	NO

Name: 180224M1_114, Date: 25-Feb-2018, Time: 10:00:58, 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	7.55e0	0.0	YES

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Name: 180224M1_115, Date: 25-Feb-2018, Time: 10:12:28, ID: ST180224M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180224M1-6 PFC CS3 18B2317	8.48e3	94.9	NO
2	2	13C5-PFHxA	ST180224M1-6 PFC CS3 18B2317	1.59e4	115.2	NO
3	3	13C3-PFHxS	ST180224M1-6 PFC CS3 18B2317	3.51e3	94.2	NO
4	4	13C8-PFOA	ST180224M1-6 PFC CS3 18B2317	1.26e4	109.1	NO
5	5	13C9-PFNA	ST180224M1-6 PFC CS3 18B2317	1.33e4	108.2	NO
6	6	13C4-PFOS	ST180224M1-6 PFC CS3 18B2317	3.60e3	112.0	NO
7	7	13C6-PFDA	ST180224M1-6 PFC CS3 18B2317	1.34e4	80.2	NO
8	8	13C7-PFUdA	ST180224M1-6 PFC CS3 18B2317	1.46e4	79.4	NO

Name: 180224M1_116, Date: 25-Feb-2018, Time: 10:23:57, 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	6.01e0	0.1	YES
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: 180224M1_117, Date: 25-Feb-2018, Time: 10:35:23, ID: 1800308-14 OF-RW30-0218 0.11538, Description: OF-RW30-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-14 OF-RW30-0218 0.11538	8.30e3	92.9	NO
2	2	13C5-PFHxA	1800308-14 OF-RW30-0218 0.11538	9.36e3	67.9	NO
3	3	13C3-PFHxS	1800308-14 OF-RW30-0218 0.11538	2.79e3	74.7	NO
4	4	13C8-PFOA	1800308-14 OF-RW30-0218 0.11538	8.31e3	71.8	NO
5	5	13C9-PFNA	1800308-14 OF-RW30-0218 0.11538	1.01e4	82.2	NO
6	6	13C4-PFOS	1800308-14 OF-RW30-0218 0.11538	2.41e3	75.2	NO
7	7	13C6-PFDA	1800308-14 OF-RW30-0218 0.11538	1.02e4	61.4	NO
8	8	13C7-PFUdA	1800308-14 OF-RW30-0218 0.11538	1.09e4	59.2	NO

Name: 180224M1_118, Date: 25-Feb-2018, Time: 10:46:50, ID: 1800308-15 OF-FB30-0218 0.12036, Description: OF-FB30-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-15 OF-FB30-0218 0.12036	8.28e3	92.7	NO
2	2	13C5-PFHxA	1800308-15 OF-FB30-0218 0.12036	9.02e3	65.4	NO
3	3	13C3-PFHxS	1800308-15 OF-FB30-0218 0.12036	2.83e3	75.9	NO
4	4	13C8-PFOA	1800308-15 OF-FB30-0218 0.12036	8.79e3	75.9	NO
5	5	13C9-PFNA	1800308-15 OF-FB30-0218 0.12036	1.12e4	91.0	NO
6	6	13C4-PFOS	1800308-15 OF-FB30-0218 0.12036	2.36e3	73.5	NO
7	7	13C6-PFDA	1800308-15 OF-FB30-0218 0.12036	8.72e3	52.3	NO
8	8	13C7-PFUdA	1800308-15 OF-FB30-0218 0.12036	1.14e4	61.9	NO

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Name: 180224M1_119, Date: 25-Feb-2018, Time: 10:58:17, ID: 1800308-16 OF-RW24-0218 0.11552, Description: OF-RW24-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-16 OF-RW24-0218 0.11552	7.94e3	88.8	NO
2	2	13C5-PFHxA	1800308-16 OF-RW24-0218 0.11552	7.78e3	56.4	NO
3	3	13C3-PFHxS	1800308-16 OF-RW24-0218 0.11552	2.42e3	64.8	NO
4	4	13C8-PFOA	1800308-16 OF-RW24-0218 0.11552	8.32e3	72.0	NO
5	5	13C9-PFNA	1800308-16 OF-RW24-0218 0.11552	9.55e3	77.5	NO
6	6	13C4-PFOS	1800308-16 OF-RW24-0218 0.11552	2.52e3	78.6	NO
7	7	13C6-PFDA	1800308-16 OF-RW24-0218 0.11552	7.29e3	43.7	YES
8	8	13C7-PFUdA	1800308-16 OF-RW24-0218 0.11552	9.22e3	50.2	NO

Name: 180224M1_120, Date: 25-Feb-2018, Time: 11:09:44, ID: 1800308-17 OF-FB24-0218 0.11631, Description: OF-FB24-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-17 OF-FB24-0218 0.11631	7.79e3	87.2	NO
2	2	13C5-PFHxA	1800308-17 OF-FB24-0218 0.11631	9.40e3	68.2	NO
3	3	13C3-PFHxS	1800308-17 OF-FB24-0218 0.11631	2.73e3	73.2	NO
4	4	13C8-PFOA	1800308-17 OF-FB24-0218 0.11631	7.96e3	68.8	NO
5	5	13C9-PFNA	1800308-17 OF-FB24-0218 0.11631	8.62e3	69.9	NO
6	6	13C4-PFOS	1800308-17 OF-FB24-0218 0.11631	2.61e3	81.2	NO
7	7	13C6-PFDA	1800308-17 OF-FB24-0218 0.11631	8.60e3	51.5	NO
8	8	13C7-PFUdA	1800308-17 OF-FB24-0218 0.11631	9.01e3	49.1	YES

Name: 180224M1_121, Date: 25-Feb-2018, Time: 11:21:14, ID: 1800308-18 OF-RW46-0218 0.11424, Description: OF-RW46-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-18 OF-RW46-0218 0.11424	8.69e3	97.3	NO
2	2	13C5-PFHxA	1800308-18 OF-RW46-0218 0.11424	9.75e3	70.7	NO
3	3	13C3-PFHxS	1800308-18 OF-RW46-0218 0.11424	2.76e3	73.9	NO
4	4	13C8-PFOA	1800308-18 OF-RW46-0218 0.11424	8.38e3	72.4	NO
5	5	13C9-PFNA	1800308-18 OF-RW46-0218 0.11424	1.02e4	82.7	NO
6	6	13C4-PFOS	1800308-18 OF-RW46-0218 0.11424	3.06e3	95.3	NO
7	7	13C6-PFDA	1800308-18 OF-RW46-0218 0.11424	8.64e3	51.8	NO
8	8	13C7-PFUdA	1800308-18 OF-RW46-0218 0.11424	8.63e3	47.0	YES

Name: 180224M1_122, Date: 25-Feb-2018, Time: 11:32:44, ID: 1800308-19 OF-FB46-0218 0.11839, Description: OF-FB46-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-19 OF-FB46-0218 0.11839	7.45e3	83.4	NO
2	2	13C5-PFHxA	1800308-19 OF-FB46-0218 0.11839	9.78e3	70.9	NO
3	3	13C3-PFHxS	1800308-19 OF-FB46-0218 0.11839	2.53e3	67.9	NO
4	4	13C8-PFOA	1800308-19 OF-FB46-0218 0.11839	7.78e3	67.2	NO
5	5	13C9-PFNA	1800308-19 OF-FB46-0218 0.11839	8.64e3	70.1	NO
6	6	13C4-PFOS	1800308-19 OF-FB46-0218 0.11839	2.70e3	84.1	NO
7	7	13C6-PFDA	1800308-19 OF-FB46-0218 0.11839	8.62e3	51.7	NO
8	8	13C7-PFUdA	1800308-19 OF-FB46-0218 0.11839	9.77e3	53.2	NO

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Name: 180224M1_123, Date: 25-Feb-2018, Time: 11:44:14, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA	7.97e0	0.1	YES
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: 180224M1_124, Date: 25-Feb-2018, Time: 11:55:44, ID: ST180224M1-7 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180224M1-7 PFC CS3 18B2317	8.64e3	96.7	NO
2	2	13C5-PFHxA	ST180224M1-7 PFC CS3 18B2317	1.58e4	114.5	NO
3	3	13C3-PFHxS	ST180224M1-7 PFC CS3 18B2317	3.90e3	104.5	NO
4	4	13C8-PFOA	ST180224M1-7 PFC CS3 18B2317	1.34e4	116.3	NO
5	5	13C9-PFNA	ST180224M1-7 PFC CS3 18B2317	1.67e4	135.4	NO
6	6	13C4-PFOS	ST180224M1-7 PFC CS3 18B2317	4.03e3	125.6	NO
7	7	13C6-PFDA	ST180224M1-7 PFC CS3 18B2317	1.44e4	86.4	NO
8	8	13C7-PFUdA	ST180224M1-7 PFC CS3 18B2317	1.39e4	75.5	NO

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Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_4, Date: 24-Feb-2018, Time: 12:56:18, ID: IPA, Description: IPA

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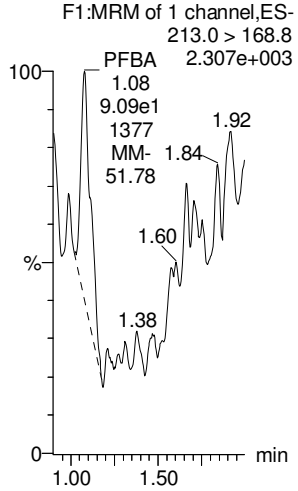

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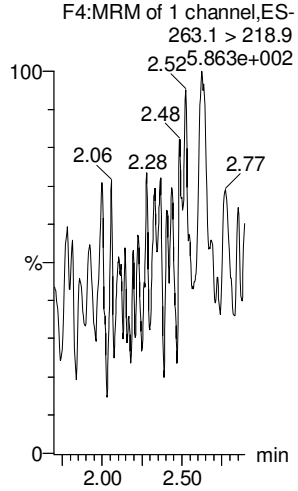

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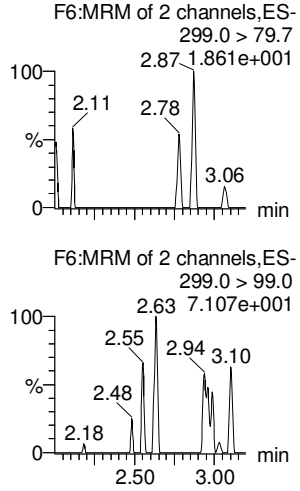

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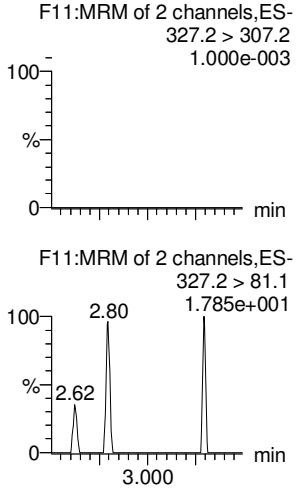

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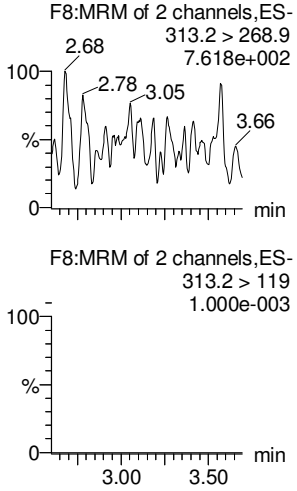

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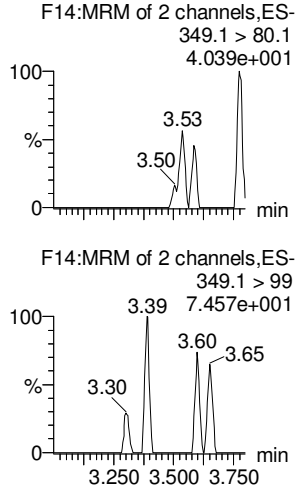

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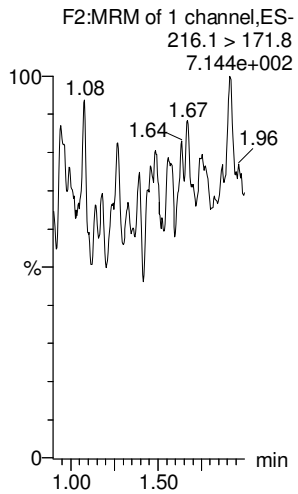

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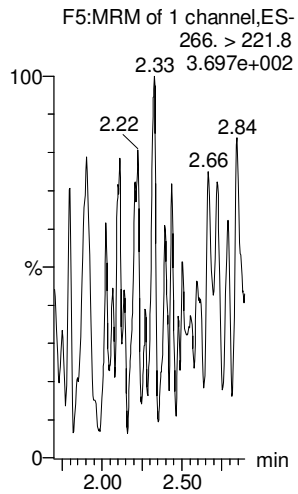

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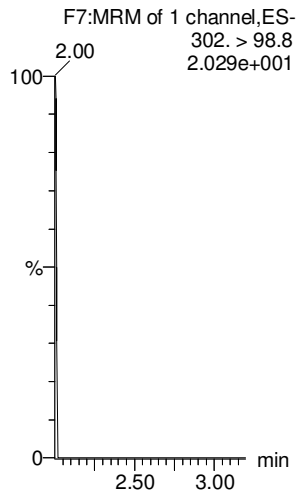

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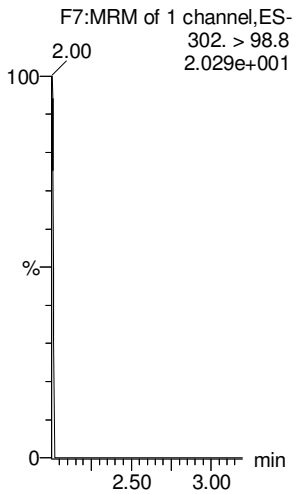

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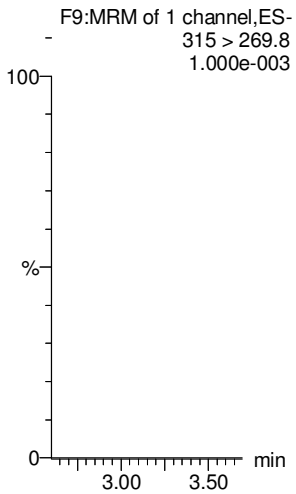

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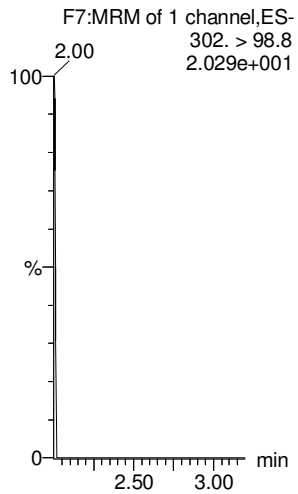

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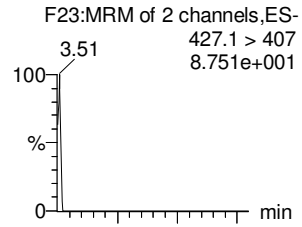
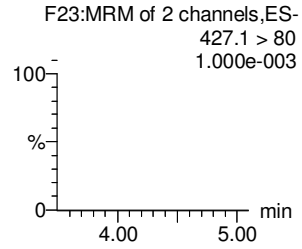
6:2 FTS





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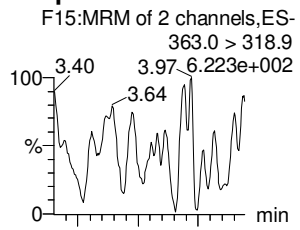

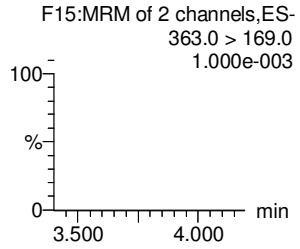

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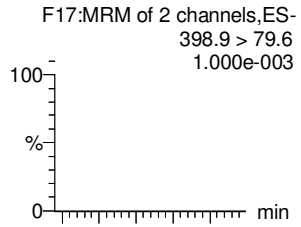

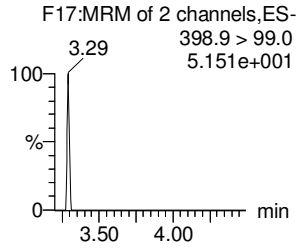

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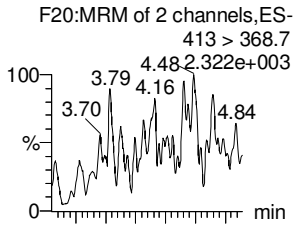

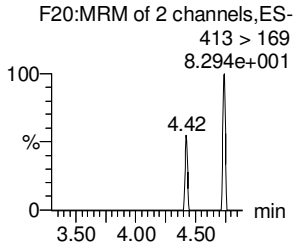

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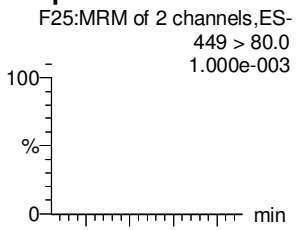

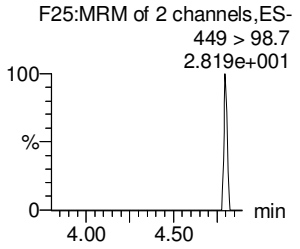

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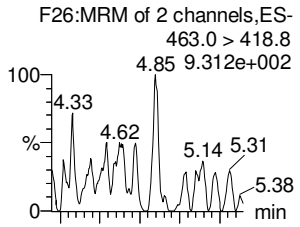

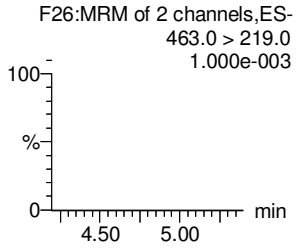

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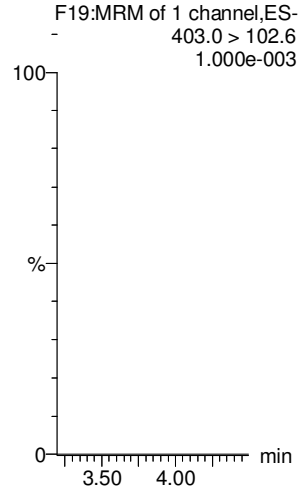

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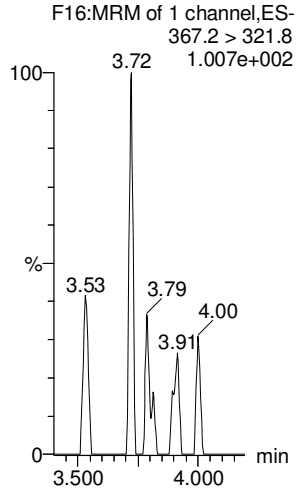

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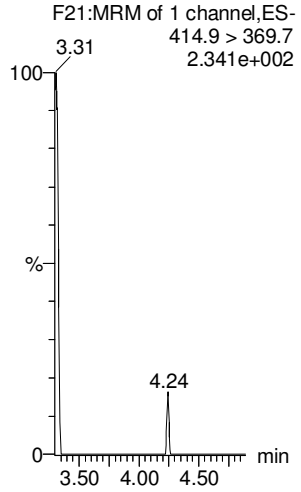

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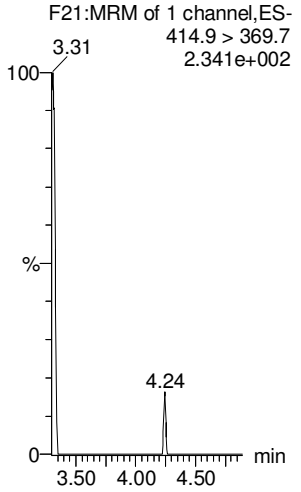

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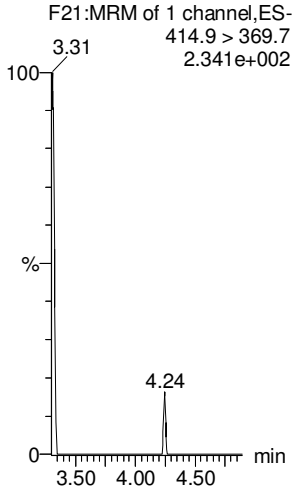

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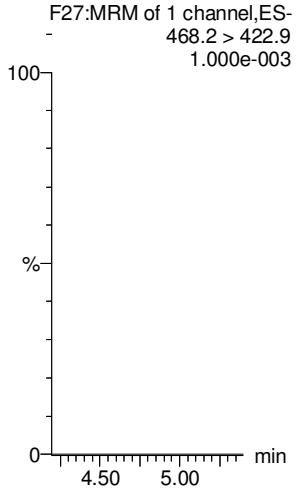

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Printed: Monday, February 26, 2018 11:00:08 Pacific Standard Time

Name: 180224M1_4, Date: 24-Feb-2018, Time: 12:56:18, ID: IPA, Description: IPA

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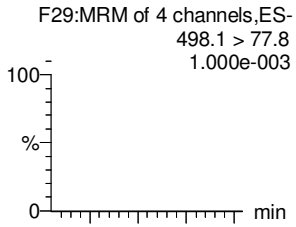

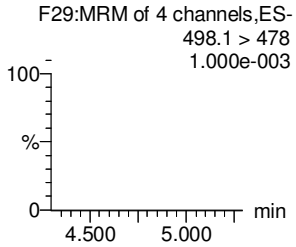

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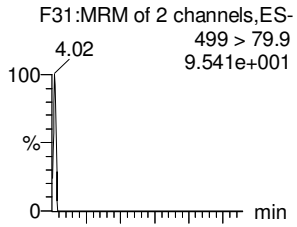

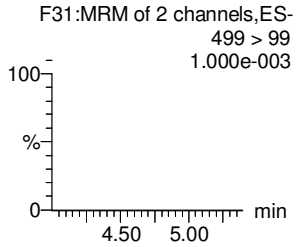

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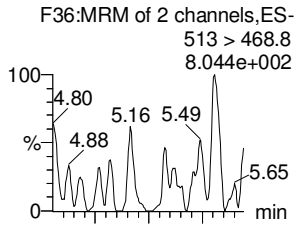

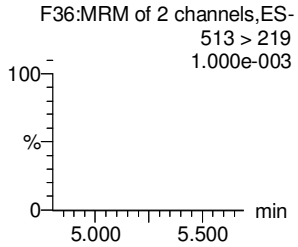

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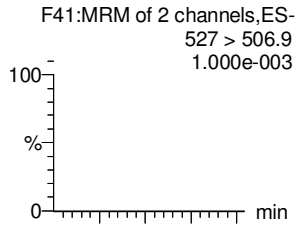

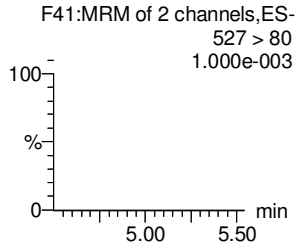

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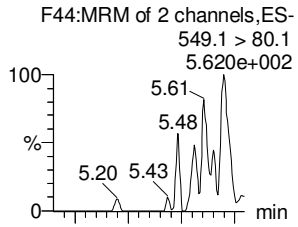

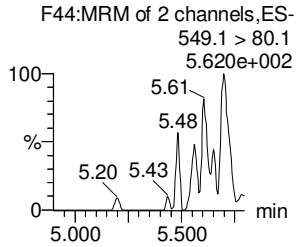

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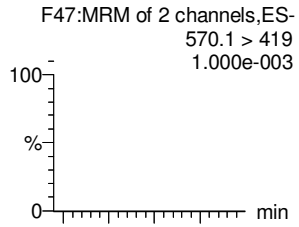

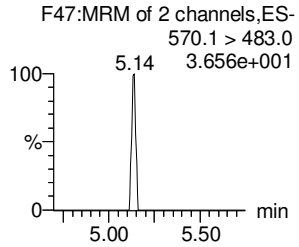

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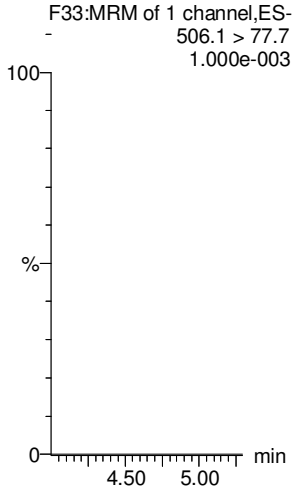

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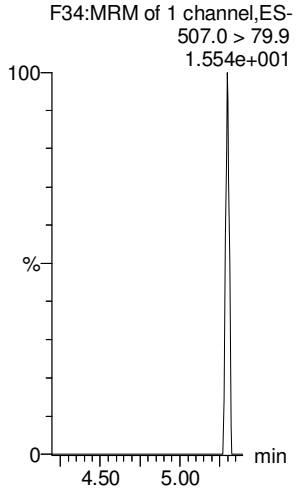

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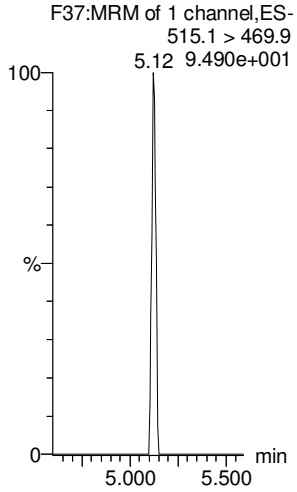

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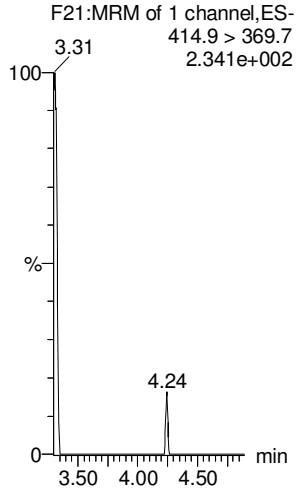

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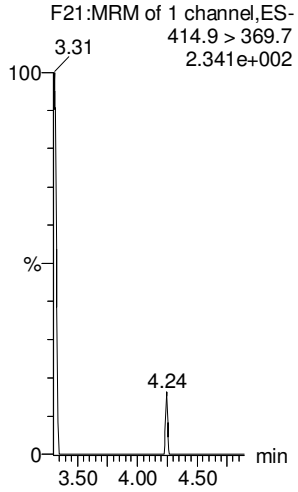

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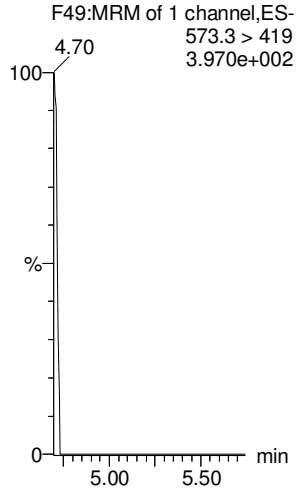

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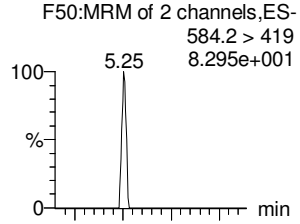

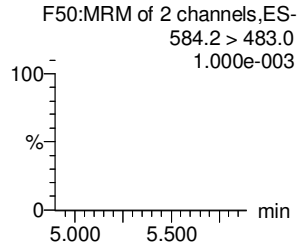

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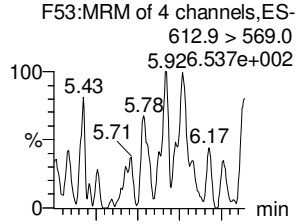

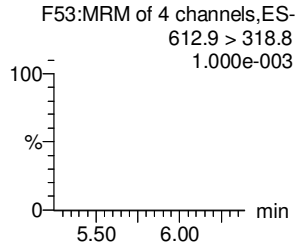

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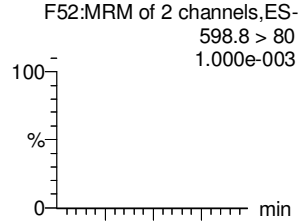

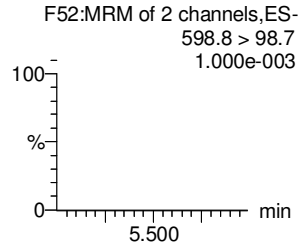

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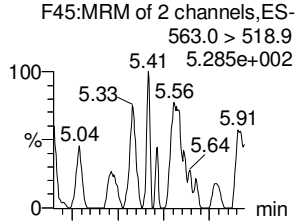

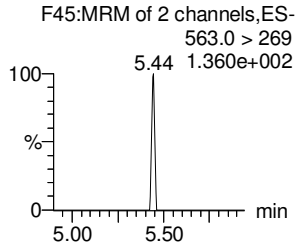

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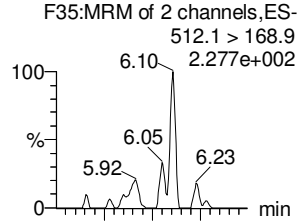

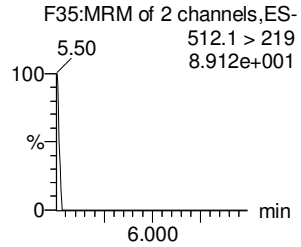

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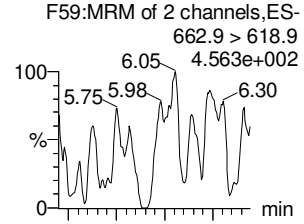

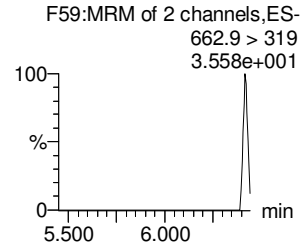

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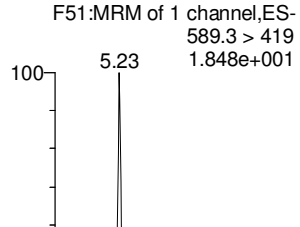

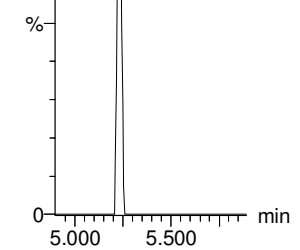

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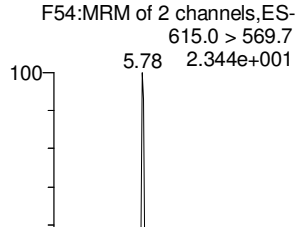

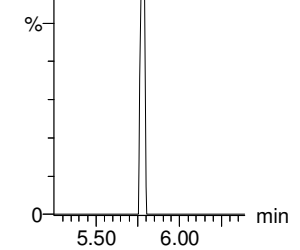

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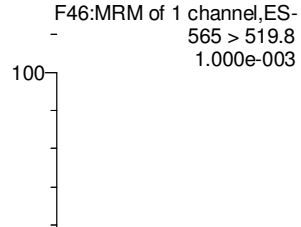

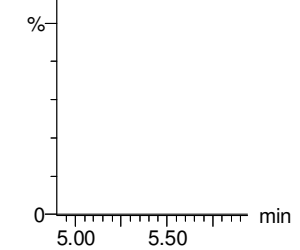

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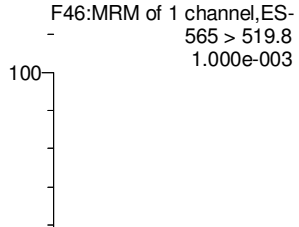

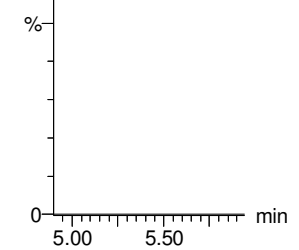

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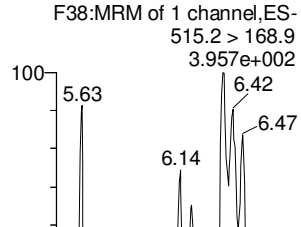

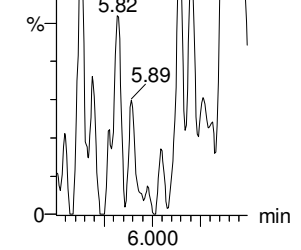

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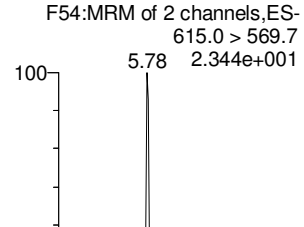

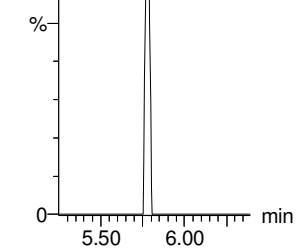

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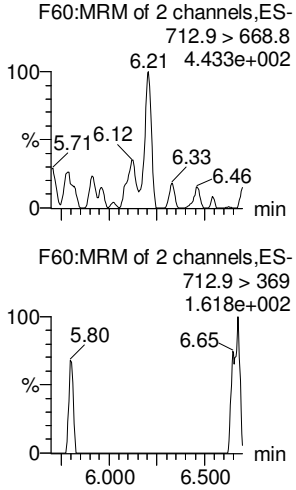
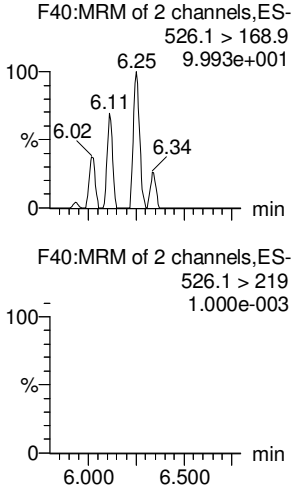
Name: 180224M1_4, Date: 24-Feb-2018, Time: 12:56:18, ID: IPA, Description: IPA

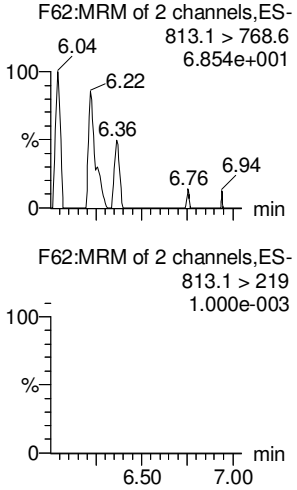
PFTeDA



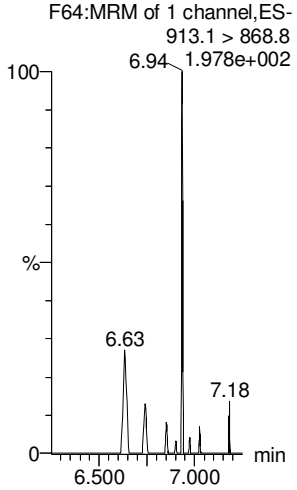
N-EtFOSA



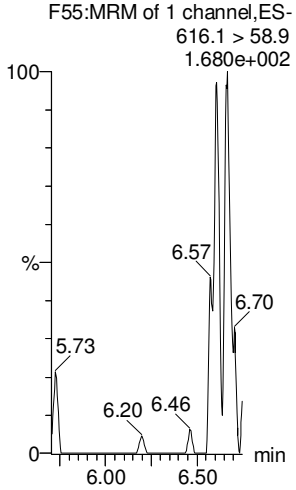
PFHxDA



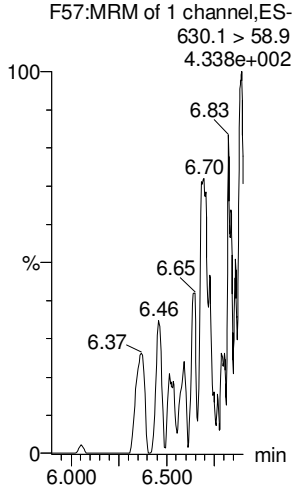
PFODA



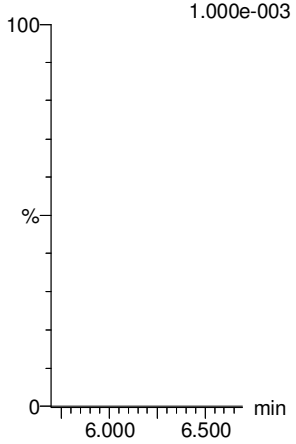
N-MeFOSE



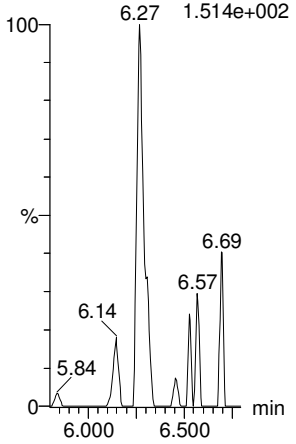
N-EtFOSE



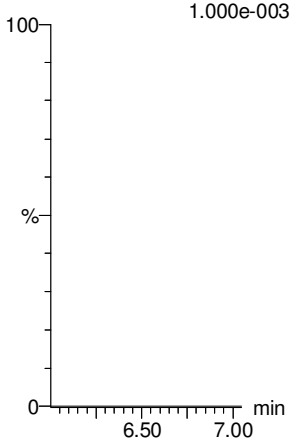
13C2-PFTeDA



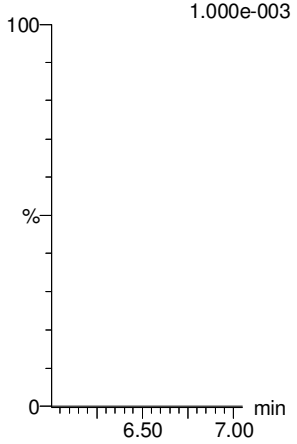
d5-N-ETFOSA



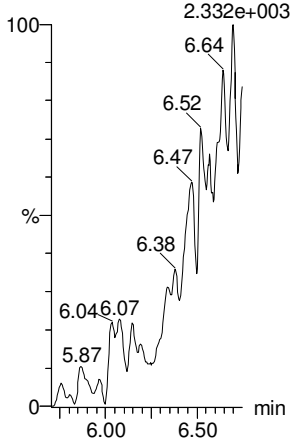
13C2-PFHxDA



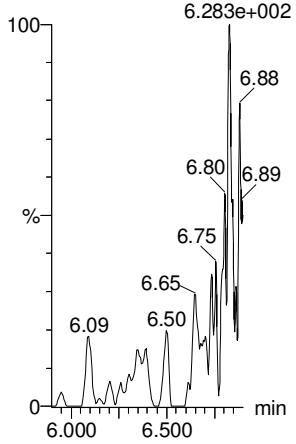
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



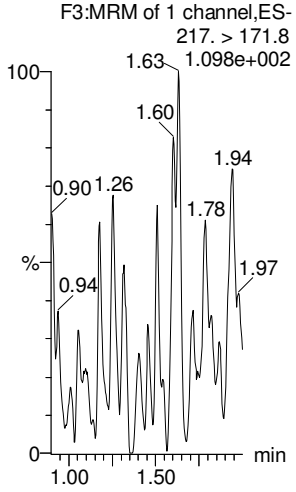
Vista Analytical Laboratory

Dataset: Untitled

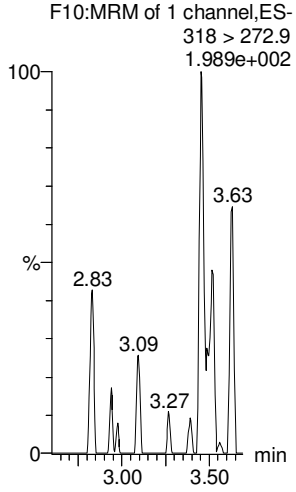
Last Altered: Monday, February 26, 2018 11:00:03 Pacific Standard Time
Printed: Monday, February 26, 2018 11:00:08 Pacific Standard Time

Name: 180224M1_4, Date: 24-Feb-2018, Time: 12:56:18, ID: IPA, Description: IPA

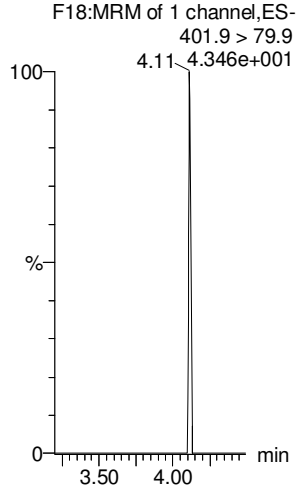
13C4-PFBA



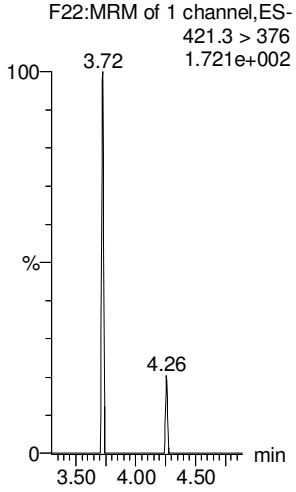
13C5-PFHxA



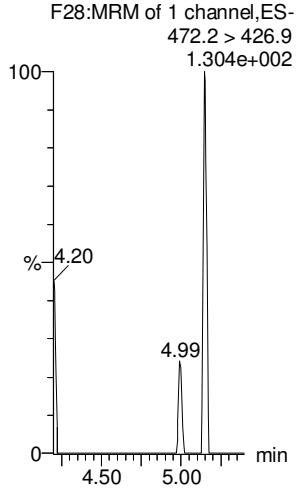
13C3-PFHxS



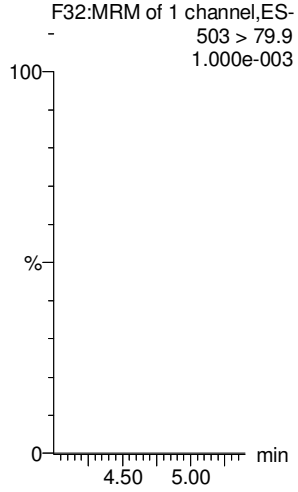
13C8-PFOA



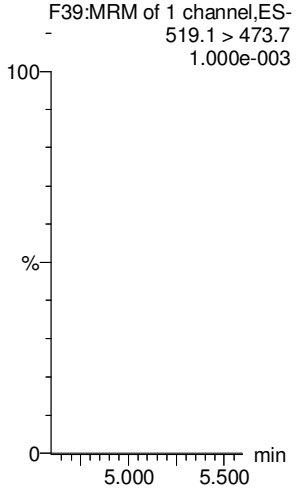
13C9-PFNA



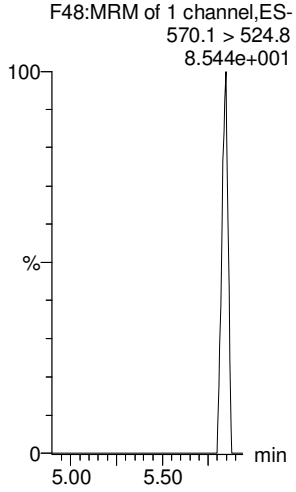
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-66.qld

Last Altered: Monday, February 26, 2018 09:44:23 Pacific Standard Time
Printed: Monday, February 26, 2018 09:44:29 Pacific Standard Time

✓JA 02/26/2018

(A) Below limit criteria.
(B) Above limit criteria.

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 24 Feb 2018 16:07:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_66, Date: 25-Feb-2018, Time: 00:50:29, ID: ST180224M1-4 PFC CS0 18B2314, Description: PFC CS0 18B2314

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1	PFBA	213.0 > 168.8	9.65e2	1.15e4		1.46	1.46	1.05	0.937	93.7	NO
2	2	PFPeA	263.1 > 218.9	1.09e3	1.38e4		2.42	2.42	0.988	0.975	97.5	NO
3	3	PFBS	299.0 > 79.7	2.44e2	1.76e3		2.60	2.69	1.74	0.918	91.8	NO
4	4	4:2 FTS	327.2>307.2	1.60e2	1.76e3		3.00	3.09	1.14	0.641	64.1	YES (A)
5	5	PFHxA	313.2 > 268.9	1.38e3	4.14e3		3.19	3.18	1.67	1.06	106.2	NO
6	6	PFPeS	349.1>80.1	2.64e2	1.76e3		3.39	3.38	1.88	0.878	87.8	NO
7	7	PFHpA	363.0 > 318.9	1.12e3	1.03e4		3.81	3.80	1.36	1.08	107.6	NO
8	8	L-PFHxS	398.9 > 79.6	1.92e2	1.46e3		4.17	3.95	1.65	0.941	94.1	NO
9	10	6:2 FTS	427.1 > 407	2.40e2	1.46e4		4.28	4.26	0.205	0.937	93.7	NO
10	11	L-PFOA	413 > 368.7	1.16e3	1.46e4		4.31	4.31	0.987	0.988	98.8	NO
11	13	PFHpS	449 > 80.0	3.27e2	1.46e4		4.44	4.42	0.279	1.28	128.2	NO
12	14	PFNA	463.0 > 418.8	1.37e3	1.37e4		4.76	4.75	1.25	0.945	94.5	NO
13	15	PFOSA	498.1 > 77.8	3.68e2	4.27e3		4.83	4.81	1.08	1.12	111.6	NO
14	16	L-PFOS	499 > 79.9	3.52e2	4.07e3		4.95	4.83	1.08	1.05	104.7	NO
15	18	PFDA	513 > 468.8	1.27e3	1.19e4		5.14	5.12	1.33	1.03	102.7	NO
16	19	8:2 FTS	527 > 506.9	2.15e2	1.46e4		5.12	5.10	0.183	0.663	66.3	YES (A)
17	20	PFNS	549.1>80.1	2.57e2	4.07e3		5.08	5.18	0.789	0.879	87.9	NO
18	21	N-MeFOSAA	570.1 > 419	6.48e2	6.09e3		5.29	5.27	1.33	0.984	98.4	NO
19	22	N-EtFOSAA	584.2 > 419	3.93e2	6.49e3		5.45	5.43	0.757	0.799	79.9	NO
20	23	PFUdA	563.0 > 518.9	1.20e3	1.38e4		5.46	5.45	1.09	1.12	112.3	NO
21	24	PFDS	598.8 > 80	3.31e2	1.38e4		5.51	5.49	0.299	1.17	116.7	NO
22	25	PFDoA	612.9 > 569.0	1.32e3	1.24e4		5.74	5.73	1.33	1.02	102.3	NO
23	26	N-MeFOSA	512.1 > 168.9	8.00e2	2.07e4		5.84	5.81	5.81	5.37	107.4	NO
24	27	PFTrDA	662.9 > 618.9	1.72e3	1.24e4		5.98	5.97	1.74	1.19	118.9	NO
25	28	PFTeDA	712.9 > 668.8	1.04e3	5.04e3		6.20	6.19	2.57	1.14	114.1	NO
26	29	N-EtFOSA	526.1 > 168.9	1.00e3	3.03e4		6.22	6.21	4.96	5.15	102.9	NO
27	30	PFHxDA	813.1 > 768.6	5.39e2	3.10e3		6.51	6.51	0.870	1.46	145.7	YES (B)
28	31	PFODA	913.1 > 868.8	4.99e2	3.10e3		6.74	6.74	0.805	1.25	124.7	NO
29	32	N-MeFOSE	616.1 > 58.9	9.61e2	2.31e4		6.31	6.35	6.23	6.00	120.0	NO
30	33	N-EtFOSE	630.1 > 58.9	1.06e3	2.62e4		6.45	6.50	6.09	5.00	100.0	NO
31	34	13C3-PFBA	216.1 > 171.8	1.15e4	1.27e4	0.892	1.46	1.46	11.3	12.7	101.5	NO

AM 2/26/18

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-66.qld

Last Altered: Monday, February 26, 2018 09:44:23 Pacific Standard Time
Printed: Monday, February 26, 2018 09:44:29 Pacific Standard Time

Name: 180224M1_66, Date: 25-Feb-2018, Time: 00:50:29, ID: ST180224M1-4 PFC CS0 18B2314, Description: PFC CS0 18B2314

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35	13C3-PFPeA	266. > 221.8	1.38e4	1.35e4	0.919	2.42	2.42	12.8	13.9	111.0	NO
33	36	13C3-PFBS	302. > 98.8	1.76e3	1.35e4	0.116	2.69	2.69	1.63	14.0	112.2	NO
34	37	13C2-PFHxA	315 > 269.8	4.14e3	1.35e4	0.732	3.19	3.18	3.83	5.23	104.6	NO
35	38	13C4-PFHpA	367.2 > 321.8	1.03e4	1.35e4	0.717	3.81	3.80	9.53	13.3	106.4	NO
36	39	18O2-PFHxS	403.0 > 102.6	1.46e3	3.86e3	0.368	3.96	3.95	4.71	12.8	102.5	NO
37	40	13C2-PFOA	414.9 > 369.7	1.46e4	1.28e4	1.311	4.33	4.32	14.3	10.9	87.3	NO
38	41	13C5-PFNA	468.2 > 422.9	1.37e4	1.36e4	0.974	4.76	4.75	12.6	12.9	103.5	NO
39	42	13C8-PFOSA	506.1 > 77.7	4.27e3	1.30e4	0.187	4.83	4.81	4.10	21.9	175.0	YES (K)
40	43	13C8-PFOS	507.0 > 79.9	4.07e3	3.54e3	1.075	4.84	4.83	14.3	13.3	106.8	NO
41	44	13C2-PFDA	515.1 > 469.9	1.19e4	1.08e4	1.019	5.14	5.12	13.8	13.6	108.7	NO
42	45	d3-N-MeFOSAA	573.3 > 419	6.09e3	1.30e4	0.325	5.29	5.27	5.85	18.0	143.9	NO
43	46	d5-N-EtFOSAA	589.3 > 419	6.49e3	1.30e4	0.345	5.45	5.43	6.23	18.1	144.4	NO
44	47	13C2-PFUdA	565 > 519.8	1.38e4	1.30e4	1.071	5.46	5.44	13.3	12.4	99.3	NO
45	48	13C2-PFDoA	615.0 > 569.7	1.24e4	1.30e4	0.995	5.74	5.73	11.9	11.9	95.5	NO
46	49	d3-N-MeFOSA	515.2 > 168.9	2.07e4	1.30e4	0.090	5.84	5.83	19.8	221	147.4	NO
47	50	13C2-PFTeDA	714.8 > 669.6	5.04e3	1.30e4	0.551	6.20	6.19	4.84	8.77	70.2	NO
48	51	d5-N-ETFOSA	531.1 > 168.9	3.03e4	1.30e4	0.127	6.22	6.23	29.1	229	152.7	YES (K)
49	52	13C2-PFHxDA	815 > 769.7	3.10e3	1.30e4	0.752	6.51	6.51	2.98	3.96	79.2	NO
50	53	d7-N-MeFOSE	623.1 > 58.9	2.31e4	1.30e4	0.098	6.31	6.34	22.2	226	150.7	YES (K)
51	54	d9-N-EtFOSE	639.2 > 58.8	2.62e4	1.30e4	0.086	6.45	6.49	25.2	291	194.2	YES (K)
52	55	13C4-PFBA	217. > 171.8	1.27e4	1.27e4	1.000	1.46	1.45	12.5	12.5	100.0	NO
53	56	13C5-PFHxA	318 > 272.9	1.35e4	1.35e4	1.000	3.19	3.18	12.5	12.5	100.0	NO
54	57	13C3-PFHxS	401.9 > 79.9	3.86e3	3.86e3	1.000	3.96	3.95	12.5	12.5	100.0	NO
55	58	13C8-PFOA	421.3 > 376	1.28e4	1.28e4	1.000	4.33	4.32	12.5	12.5	100.0	NO
56	59	13C9-PFNA	472.2 > 426.9	1.36e4	1.36e4	1.000	4.70	4.75	12.5	12.5	100.0	NO
57	60	13C4-PFOS	503 > 79.9	3.54e3	3.54e3	1.000	4.84	4.83	12.5	12.5	100.0	NO
58	61	13C6-PFDA	519.1 > 473.7	1.08e4	1.08e4	1.000	5.14	5.12	12.5	12.5	100.0	NO
59	62	13C7-PFUdA	570.1 > 524.8	1.30e4	1.30e4	1.000	5.46	5.45	12.5	12.5	100.0	NO

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, February 26, 2018 10:44:51 Pacific Standard Time
Printed: Monday, February 26, 2018 10:45:23 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 26 Feb 2018 09:30:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180224M1_3	ST180224M1-1 PFC CS0 18B2314	24-Feb-18	12:44:48
2	180224M1_4	IPA	24-Feb-18	12:56:18
3	180224M1_5	1800306-01 REEPDW164FRB 0.12054	24-Feb-18	13:07:48
4	180224M1_6	1800306-02 REEPDW165FRB 0.11619	24-Feb-18	13:19:12
5	180224M1_7	1800306-03 REEPDW166FRB 0.11151	24-Feb-18	13:30:38
6	180224M1_8	1800306-04 REEPDW167FRB 0.1185	24-Feb-18	13:42:05
7	180224M1_9	1800306-05 REEPDW168FRB 0.11959	24-Feb-18	13:53:35
8	180224M1_10	1800306-06 REEPDW169FRB 0.11933	24-Feb-18	14:08:23
9	180224M1_11	1800306-07 REEPDW170FRB 0.11818	24-Feb-18	14:19:45
10	180224M1_12	1800306-08 REEPDW171FRB 0.12105	24-Feb-18	14:31:12
11	180224M1_13	1800306-09 REEPDW172FRB 0.12044	24-Feb-18	14:42:39
12	180224M1_14	1800306-10 REEPDW173FRB 0.11418	24-Feb-18	14:54:06
13	180224M1_15	B8B0132-BS1 OPR 0.125	24-Feb-18	15:05:36
14	180224M1_16	B8B0132-BLK1 Method Blank 0.125	24-Feb-18	15:17:06
15	180224M1_17	B8B0132-MS1 Matrix Spike 0.11558	24-Feb-18	15:28:33
16	180224M1_18	B8B0132-MSD1 Matrix Spike Dup 0.12417	24-Feb-18	15:40:03
17	180224M1_19	1800342-01 WI-AF-29-MW-4-0218 0.12269	24-Feb-18	15:51:30
18	180224M1_20	1800342-02 WI-AF-29-MW-4P-0218 0.11686	24-Feb-18	16:02:56
19	180224M1_21	1800342-03 WI-AF-FB01-021318 0.12659	24-Feb-18	16:14:23
20	180224M1_22	1800342-04 WI-AF-EB01-021318 0.12366	24-Feb-18	16:25:50
21	180224M1_23	1800342-05 WI-AF-EB03-021318 0.12695	24-Feb-18	16:37:20
22	180224M1_24	IPA	24-Feb-18	16:48:47
23	180224M1_25	ST180224M1-2 PFC CS3 18B2317	24-Feb-18	17:00:17
24	180224M1_26	IPA	24-Feb-18	17:11:46
25	180224M1_27	1800342-06 WI-AF-EB04-021318 0.12464	24-Feb-18	17:23:18
26	180224M1_28	1800342-07 WI-AF-MW-N2-9-0218 0.11882	24-Feb-18	17:34:42
27	180224M1_29	1800342-08 WI-AF-MW-N2-9P-0218 0.11893	24-Feb-18	17:46:09
28	180224M1_30	1800342-09 WI-AF-FB01-021518 0.11547	24-Feb-18	17:57:36
29	180224M1_31	1800342-10 WI-AF-MW-N2-7S-0218 0.124	24-Feb-18	18:09:03
30	180224M1_32	1800342-11 WI-AF-MW-N2-3-0218 0.11817	24-Feb-18	18:20:32
31	180224M1_33	1800342-12 WI-AF-EB01-021618 0.11885	24-Feb-18	18:31:59

Dataset: Untitled

Last Altered: Monday, February 26, 2018 10:44:51 Pacific Standard Time
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Compound name: PFBA

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32	180224M1_34	1800342-13 WI-AF-MW-N2-8-0218 0.12041	24-Feb-18	18:43:26
33	180224M1_35	1800342-14 WI-AF-MW-201-0218 0.11911	24-Feb-18	18:54:56
34	180224M1_36	1800342-15 WI-AF-FB01-021718 0.11145	24-Feb-18	19:06:22
35	180224M1_37	1800342-16 WI-AF-4-MW-3-0218 0.11068	24-Feb-18	19:17:49
36	180224M1_38	1800342-17 WI-AF-EB01-021718 0.12581	24-Feb-18	19:29:18
37	180224M1_39	1800342-18 WI-AF-N2-6C-0218 0.11624	24-Feb-18	19:40:47
38	180224M1_40	1800342-19 WI-AF-FB01-021818 0.11386	24-Feb-18	19:52:16
39	180224M1_41	B8B0115-BS1 OPR 0.125	24-Feb-18	20:03:46
40	180224M1_42	B8B0115-BLK1 Method Blank 0.125	24-Feb-18	20:15:13
41	180224M1_43	B8B0115-MS1 Matrix Spike 0.1206	24-Feb-18	20:26:43
42	180224M1_44	B8B0115-MSD1 Matrix Spike Dup 0.12027	24-Feb-18	20:38:12
43	180224M1_45	1800312-01 REEPDW174 0.12357	24-Feb-18	20:49:40
44	180224M1_46	1800312-02 REEPDW175 0.12536	24-Feb-18	21:01:07
45	180224M1_47	IPA	24-Feb-18	21:12:37
46	180224M1_48	ST180224M1-3 PFC CS3 18B2317	24-Feb-18	21:24:04
47	180224M1_49	IPA	24-Feb-18	21:35:34
48	180224M1_50	1800312-03 REEPDW176 0.12182	24-Feb-18	21:47:04
49	180224M1_51	1800312-04 REEPDW177 0.11976	24-Feb-18	21:58:28
50	180224M1_52	1800312-05 REEPDW179 0.12055	24-Feb-18	22:09:55
51	180224M1_53	1800312-06 REEPDW178 0.12456	24-Feb-18	22:21:22
52	180224M1_54	1800312-07 REEPDW180 0.11918	24-Feb-18	22:32:52
53	180224M1_55	1800312-08 REEPDW517 0.12276	24-Feb-18	22:44:21
54	180224M1_56	1800313-01 REEPDW174FRB 0.12579	24-Feb-18	22:55:48
55	180224M1_57	1800313-02 REEPDW175FRB 0.12099	24-Feb-18	23:07:15
56	180224M1_58	1800313-03 REEPDW176FRB 0.12295	24-Feb-18	23:18:42
57	180224M1_59	1800313-04 REEPDW177FRB 0.12439	24-Feb-18	23:30:09
58	180224M1_60	1800313-05 REEPDW179FRB 0.12378	24-Feb-18	23:41:35
59	180224M1_61	1800313-06 REEPDW178FRB 0.12129	24-Feb-18	23:53:05
60	180224M1_62	1800313-07 REEPDW180FRB 0.12115	25-Feb-18	00:04:36
61	180224M1_63	1800318-01 REEPDW181 0.12681	25-Feb-18	00:16:03
62	180224M1_64	1800318-02 REEPDW182 0.11511	25-Feb-18	00:27:32
63	180224M1_65	IPA	25-Feb-18	00:39:02
64	180224M1_66	ST180224M1-4 PFC CS0 18B2314	25-Feb-18	00:50:29
65	180224M1_67	IPA	25-Feb-18	01:01:59

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Compound name: PFBA

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67	180224M1_69	1800318-04 REEPDW184 0.11402	25-Feb-18	01:24:58
68	180224M1_70	1800318-05 REEPDW185 0.12148	25-Feb-18	01:36:24
69	180224M1_71	B8B0096-BS1 OPR 0.125	25-Feb-18	01:47:55
70	180224M1_72	B8B0096-BLK1 Method Blank 0.125	25-Feb-18	01:59:24
71	180224M1_73	B8B0096-MS1 Matrix Spike 0.11568	25-Feb-18	02:10:53
72	180224M1_74	B8B0096-MSD1 Matrix Spike Dup 0.1188	25-Feb-18	02:22:22
73	180224M1_75	1800298-01 REEPDW155 0.11708	25-Feb-18	02:33:49
74	180224M1_76	1800298-02 REEPDW156 0.11596	25-Feb-18	02:45:16
75	180224M1_77	1800298-03 REEPDW157 0.12015	25-Feb-18	02:56:46
76	180224M1_78	1800298-04 REEPDW158 0.1178	25-Feb-18	03:08:15
77	180224M1_79	1800298-05 REEPDW159 0.11737	25-Feb-18	03:19:44
78	180224M1_80	1800299-01 REEPDW155FRB 0.11474	25-Feb-18	03:31:04
79	180224M1_81	1800299-02 REEPDW156FRB 0.1178	25-Feb-18	03:42:32
80	180224M1_82	1800299-03 REEPDW157FRB 0.11643	25-Feb-18	03:54:01
81	180224M1_83	1800299-04 REEPDW158FRB 0.11892	25-Feb-18	04:05:31
82	180224M1_84	1800299-05 REEPDW159FRB 0.11693	25-Feb-18	04:17:00
83	180224M1_85	1800301-01 REEPDW160 0.11595	25-Feb-18	04:28:26
84	180224M1_86	1800301-02 REEPDW515 0.11695	25-Feb-18	04:39:56
85	180224M1_87	IPA	25-Feb-18	04:51:25
86	180224M1_88	ST180224M1-5 PFC CS3 18B2317	25-Feb-18	05:02:52
87	180224M1_89	IPA	25-Feb-18	05:14:21
88	180224M1_90	1800301-03 REEPDW161 0.11505	25-Feb-18	05:25:51
89	180224M1_91	1800301-04 REEPDW162 0.11664	25-Feb-18	05:37:21
90	180224M1_92	1800301-05 REEPDW163 0.11483	25-Feb-18	05:48:48
91	180224M1_93	1800302-01 REEPDW160FRB 0.11761	25-Feb-18	06:00:15
92	180224M1_94	1800302-02 REEPDW161FRB 0.1172	25-Feb-18	06:11:42
93	180224M1_95	1800302-03 REEPDW162FRB 0.11535	25-Feb-18	06:23:09
94	180224M1_96	1800302-04 REEPDW163FRB 0.11575	25-Feb-18	06:34:35
95	180224M1_97	B8B0111-BS1 OPR 0.125	25-Feb-18	06:46:02
96	180224M1_98	B8B0111-BLK1 Method Blank 0.125	25-Feb-18	06:57:33
97	180224M1_99	B8B0111-MS1 Matrix Spike 0.11922	25-Feb-18	07:09:00
98	180224M1_100	B8B0111-MSD1 Matrix Spike Dup 0.1198	25-Feb-18	07:20:29
99	180224M1_101	1800308-01 OF-RW55-0218 0.11519	25-Feb-18	07:31:56

Vista Analytical Laboratory

Dataset: Untitled

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Compound name: PFBA

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101	180224M1_103	1800308-03 OF-FB55-0218 0.11289	25-Feb-18	07:54:50
102	180224M1_104	1800308-04 OF-RW56-0218 0.11816	25-Feb-18	08:06:17
103	180224M1_105	1800308-05 OF-FB56-0218 0.11044	25-Feb-18	08:17:47
104	180224M1_106	1800308-06 OF-RW53-0218 0.11594	25-Feb-18	08:29:15
105	180224M1_107	1800308-07 OF-FB53-0218 0.11932	25-Feb-18	08:40:42
106	180224M1_108	1800308-08 OF-RW68-0218 0.11919	25-Feb-18	08:52:09
107	180224M1_109	1800308-09 OF-FB68-0218 0.11842	25-Feb-18	09:03:36
108	180224M1_110	1800308-10 OF-RW54-0218 0.07054	25-Feb-18	09:15:05
109	180224M1_111	1800308-11 OF-FB54-0218 0.11801	25-Feb-18	09:26:31
110	180224M1_112	1800308-12 OF-RW69-0218 0.11701	25-Feb-18	09:38:01
111	180224M1_113	1800308-13 OF-FB69-0218 0.1193	25-Feb-18	09:49:31
112	180224M1_114	IPA	25-Feb-18	10:00:58
113	180224M1_115	ST180224M1-6 PFC CS3 18B2317	25-Feb-18	10:12:28
114	180224M1_116	IPA	25-Feb-18	10:23:57
115	180224M1_117	1800308-14 OF-RW30-0218 0.11538	25-Feb-18	10:35:23
116	180224M1_118	1800308-15 OF-FB30-0218 0.12036	25-Feb-18	10:46:50
117	180224M1_119	1800308-16 OF-RW24-0218 0.11552	25-Feb-18	10:58:17
118	180224M1_120	1800308-17 OF-FB24-0218 0.11631	25-Feb-18	11:09:44
119	180224M1_121	1800308-18 OF-RW46-0218 0.11424	25-Feb-18	11:21:14
120	180224M1_122	1800308-19 OF-FB46-0218 0.11839	25-Feb-18	11:32:44
121	180224M1_123	IPA	25-Feb-18	11:44:14
122	180224M1_124	ST180224M1-7 PFC CS3 18B2317	25-Feb-18	11:55:44
123	180224M1_125	IPA	25-Feb-18	12:07:13

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-66.qld

Last Altered: Monday, February 26, 2018 09:44:23 Pacific Standard Time
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Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_66, Date: 25-Feb-2018, Time: 00:50:29, ID: ST180224M1-4 PFC CS0 18B2314, Description: PFC CS0 18B2314

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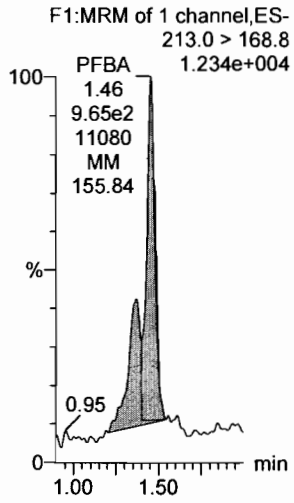

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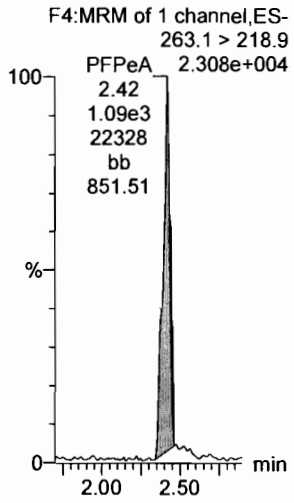

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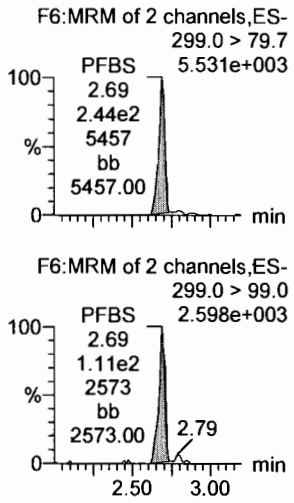

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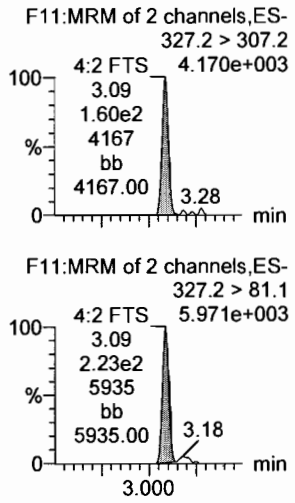

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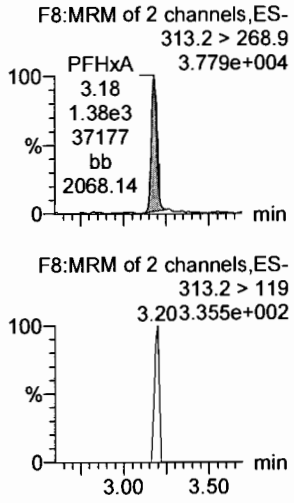

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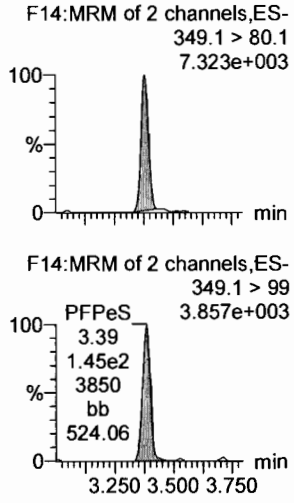

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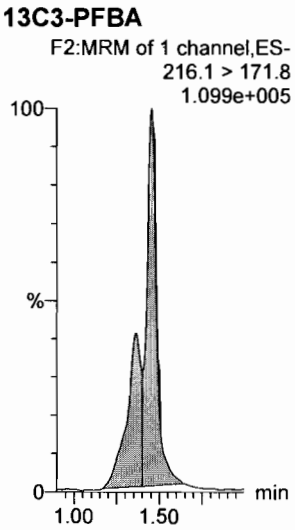

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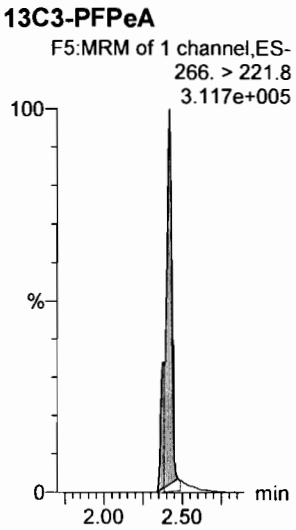

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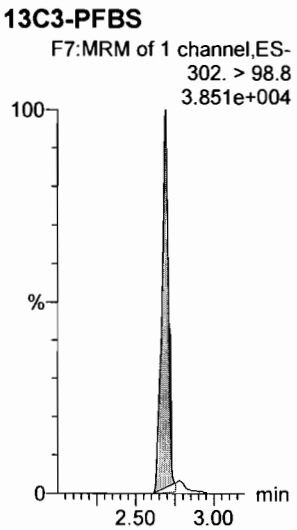

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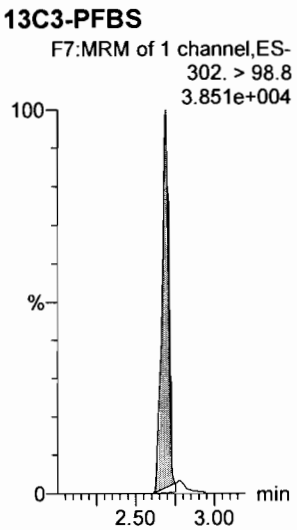

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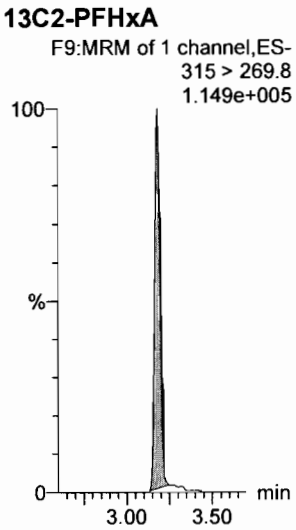

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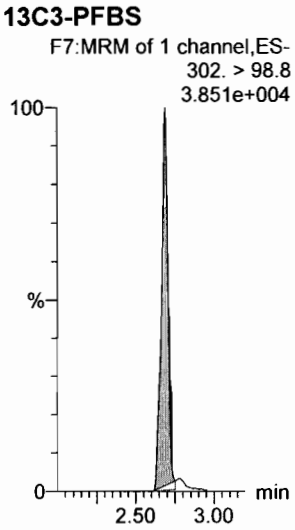

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Name: 180224M1_66, Date: 25-Feb-2018, Time: 00:50:29, ID: ST180224M1-4 PFC CS0 18B2314, Description: PFC CS0 18B2314

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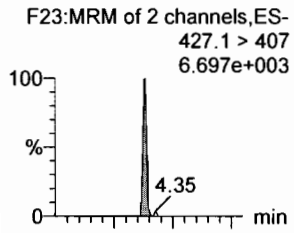

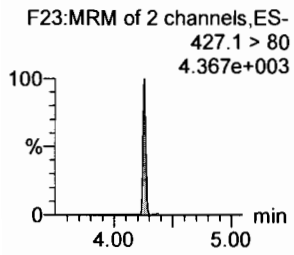

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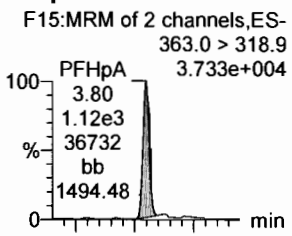

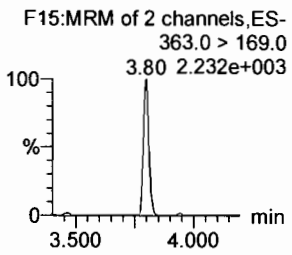

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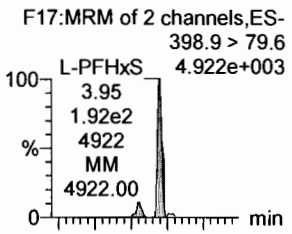

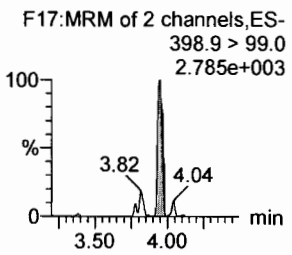

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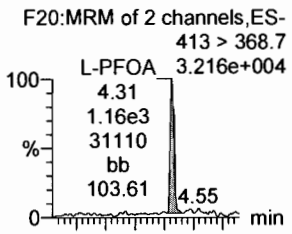

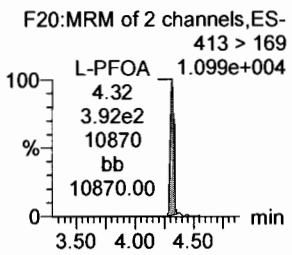

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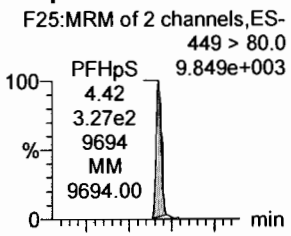

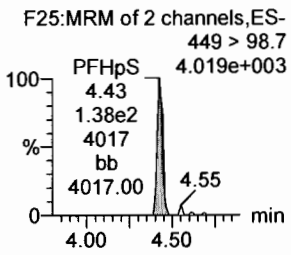

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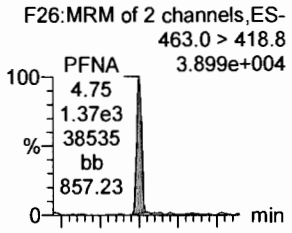

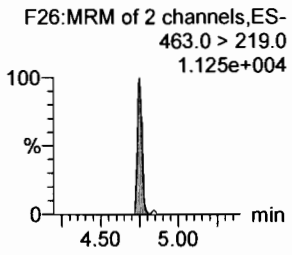

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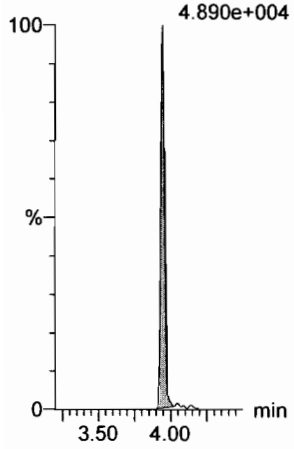

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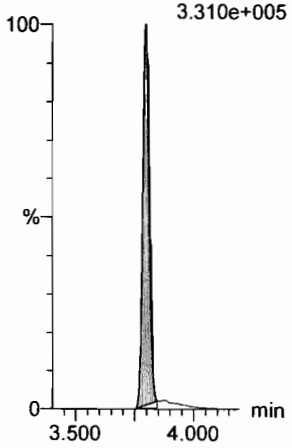

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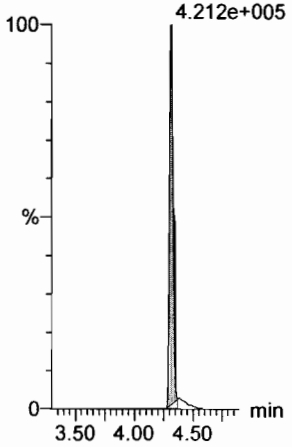

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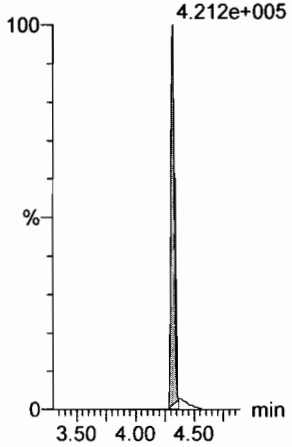
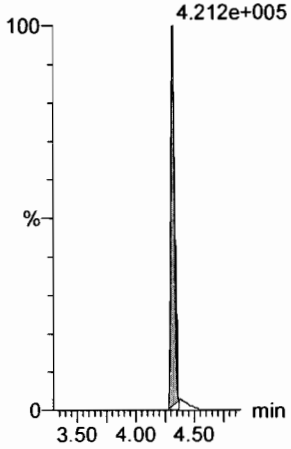
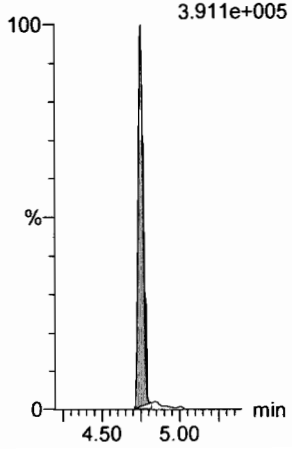


13C2-PFOA



13C5-PFNA



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Last Altered: Monday, February 26, 2018 09:44:23 Pacific Standard Time
Printed: Monday, February 26, 2018 09:44:29 Pacific Standard Time

Name: 180224M1_66, Date: 25-Feb-2018, Time: 00:50:29, ID: ST180224M1-4 PFC CS0 18B2314, Description: PFC CS0 18B2314

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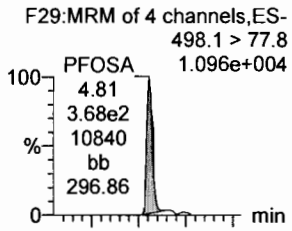
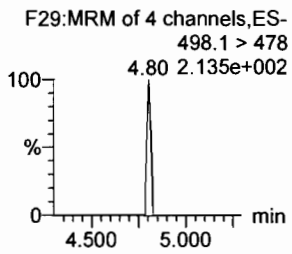
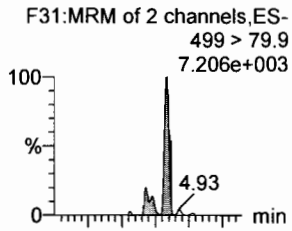
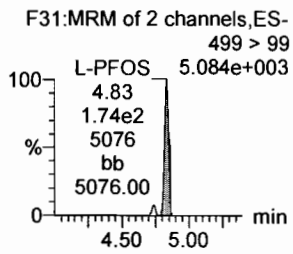




L-PFOS





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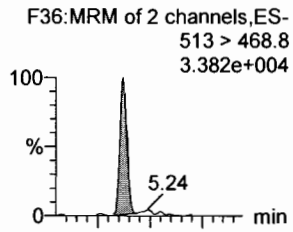
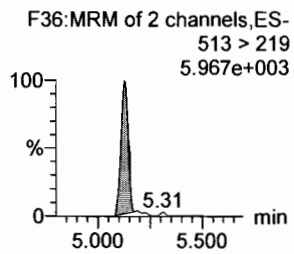
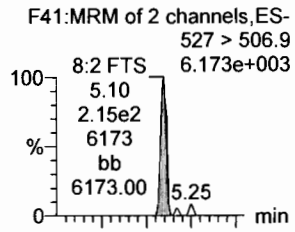
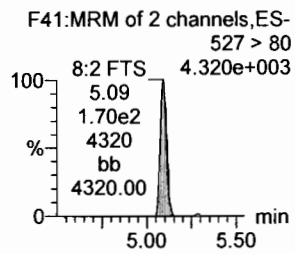




8:2 FTS





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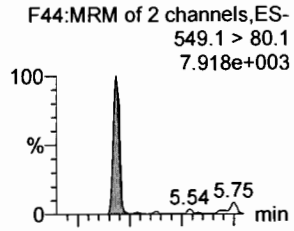

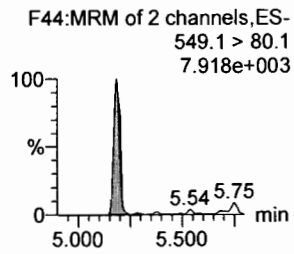

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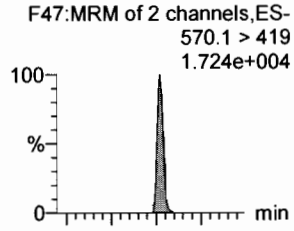

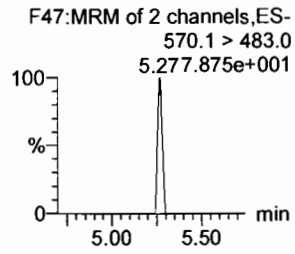

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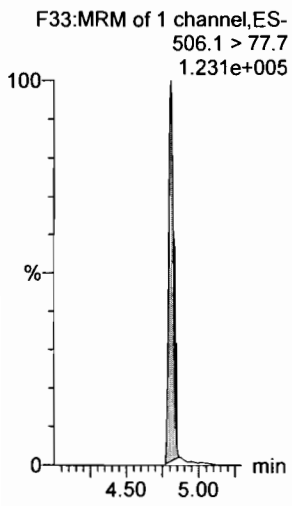
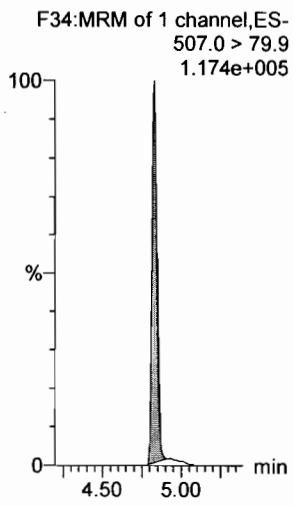


13C8-PFOS



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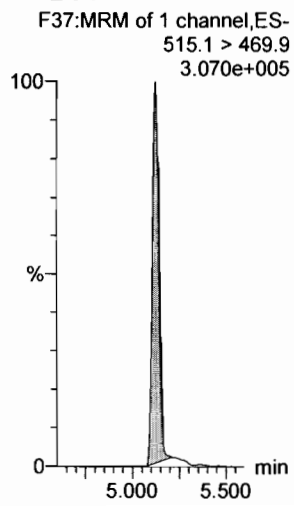

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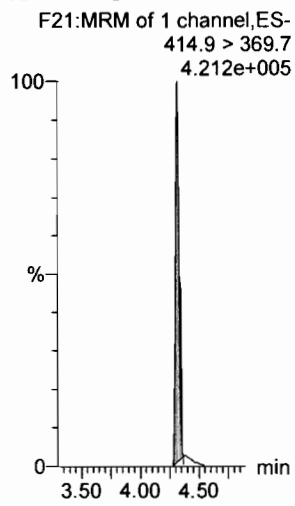

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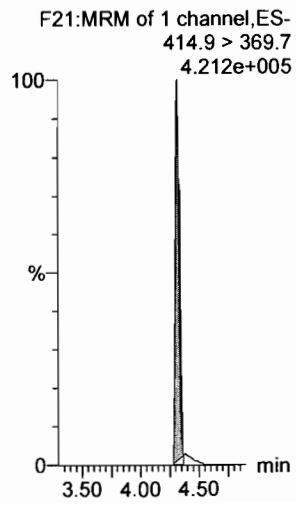
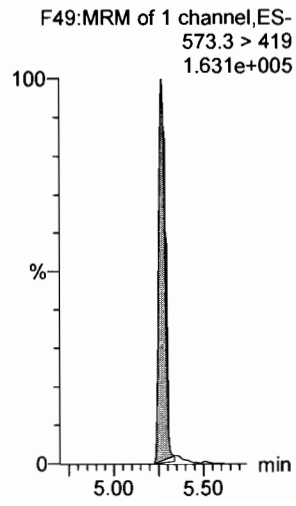


d3-N-MeFOSAA



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Last Altered: Monday, February 26, 2018 09:44:23 Pacific Standard Time
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Name: 180224M1_66, Date: 25-Feb-2018, Time: 00:50:29, ID: ST180224M1-4 PFC CS0 18B2314, Description: PFC CS0 18B2314

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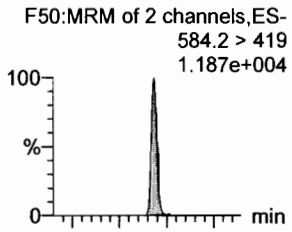
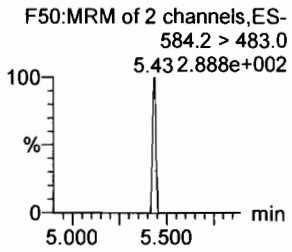
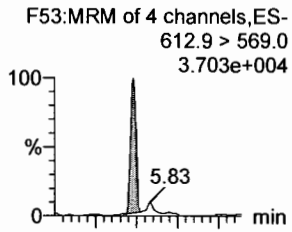
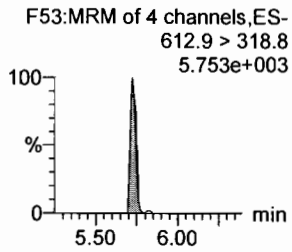




PFDoA





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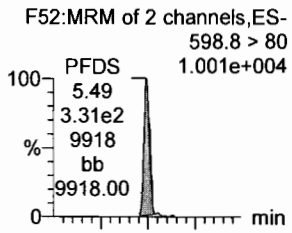

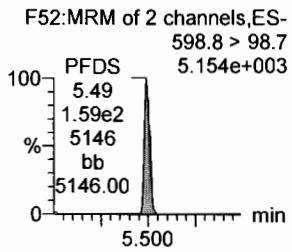

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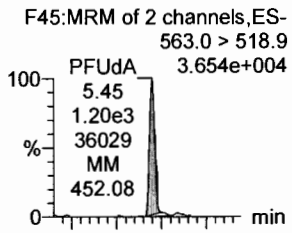

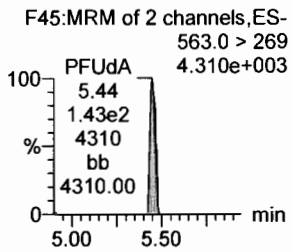

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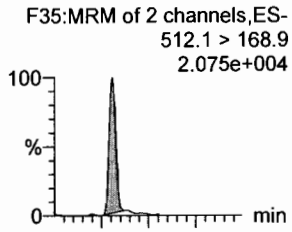

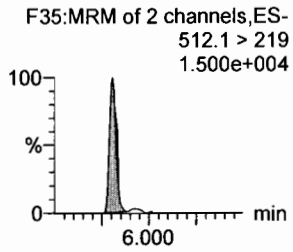

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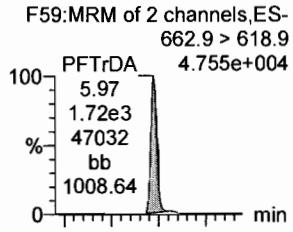
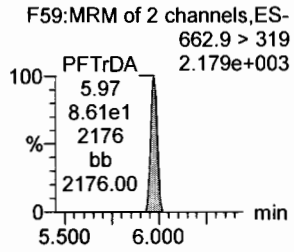
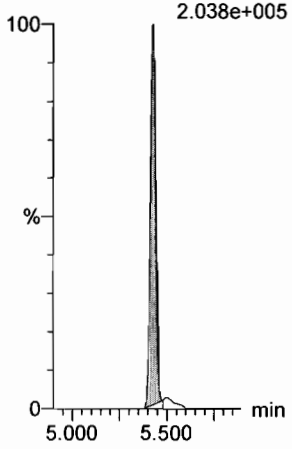
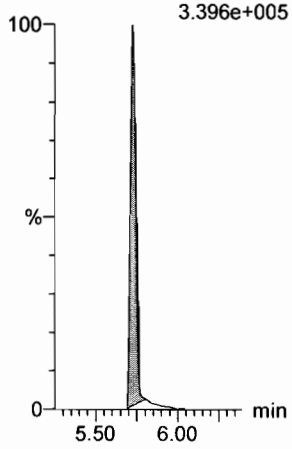




d5-N-EtFOSAA



13C2-PFDoA



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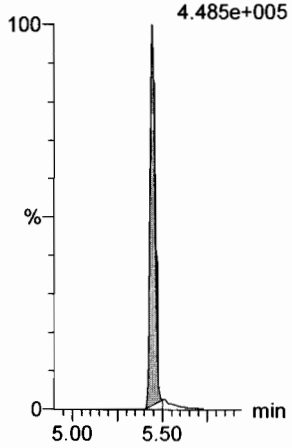

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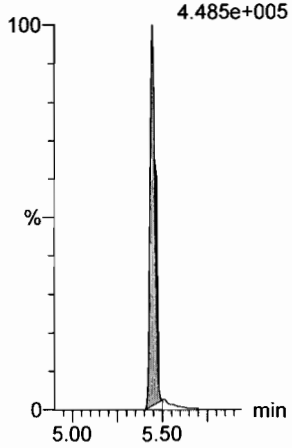
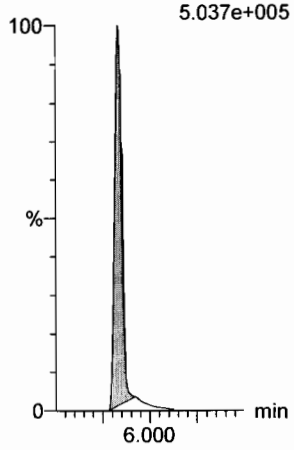


d3-N-MeFOSA



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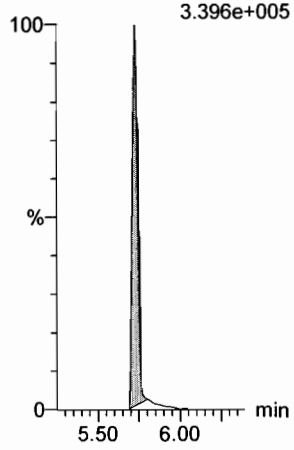

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Name: 180224M1_66, Date: 25-Feb-2018, Time: 00:50:29, ID: ST180224M1-4 PFC CS0 18B2314, Description: PFC CS0 18B2314

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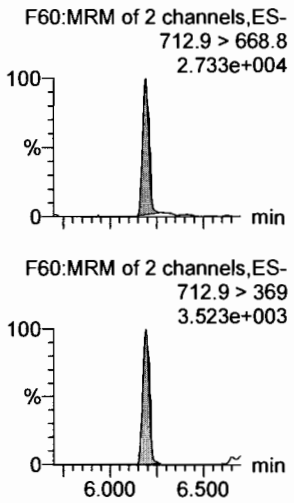

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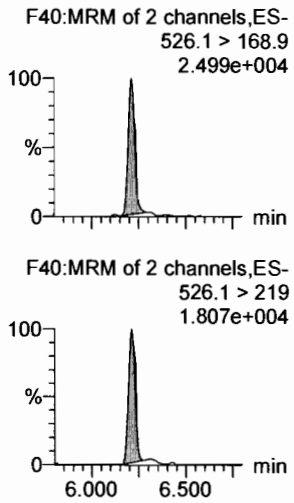

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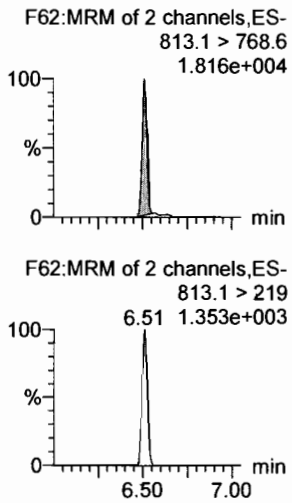
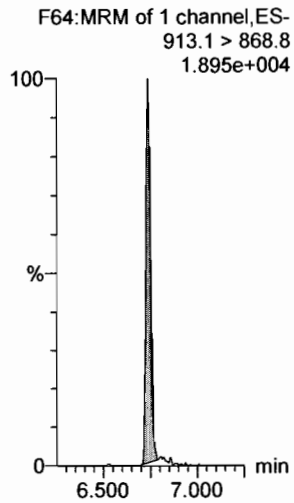
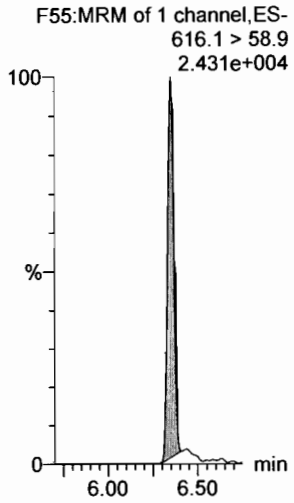


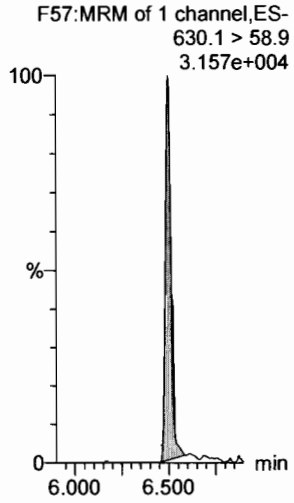
PFODA



N-MeFOSE



N-EtFOSE



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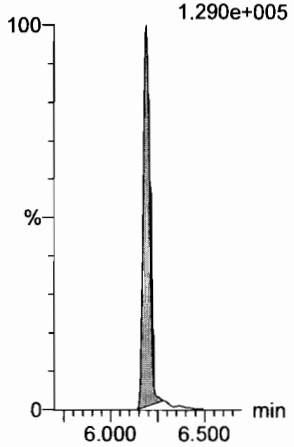
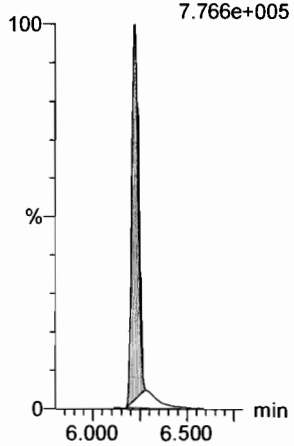


d5-N-ETFOSA



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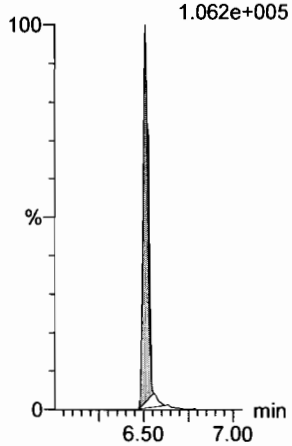

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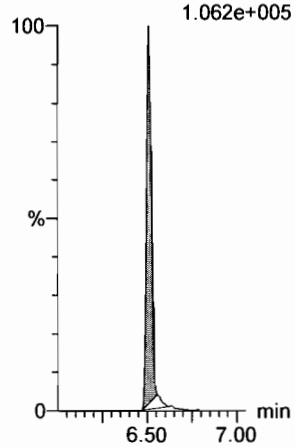

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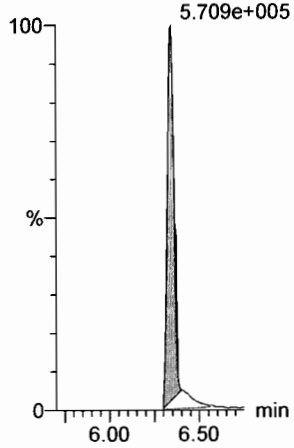

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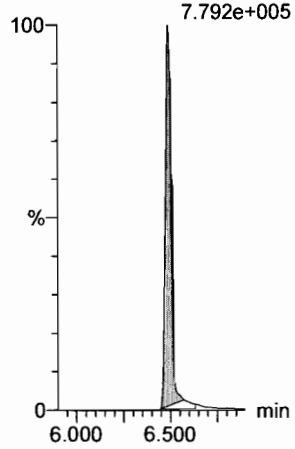

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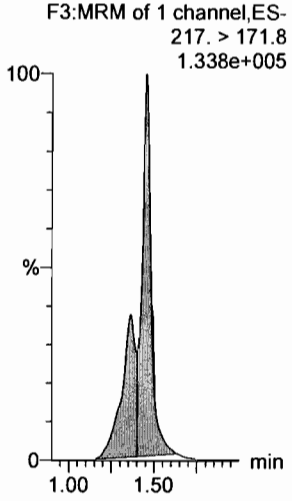
Name: 180224M1_66, Date: 25-Feb-2018, Time: 00:50:29, ID: ST180224M1-4 PFC CS0 18B2314, Description: PFC CS0 18B2314

13C4-PFBA



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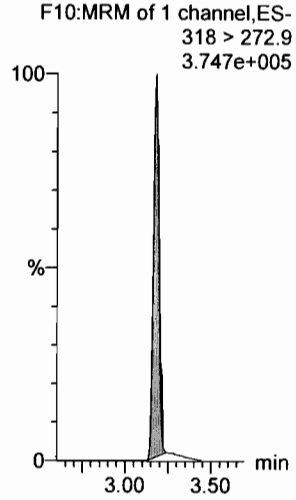
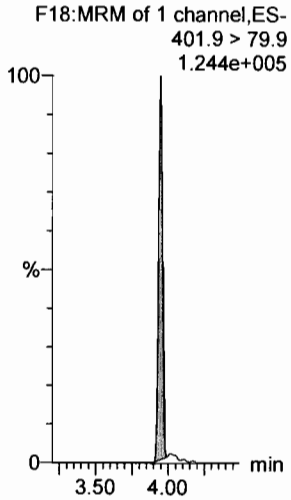
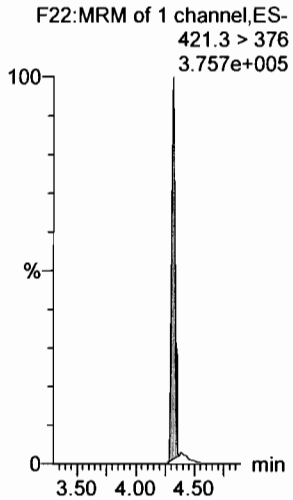


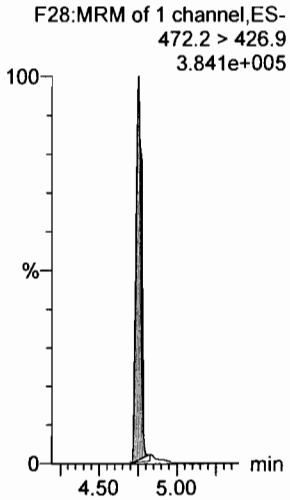
13C3-PFHxS



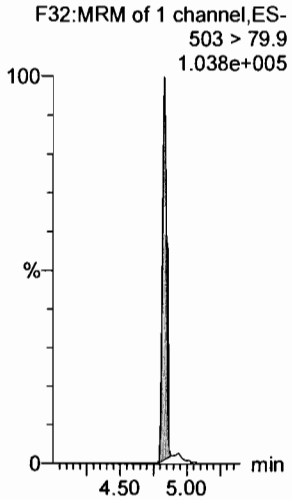
13C8-PFOA



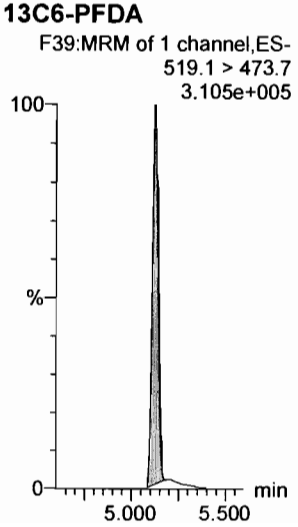
13C9-PFNA



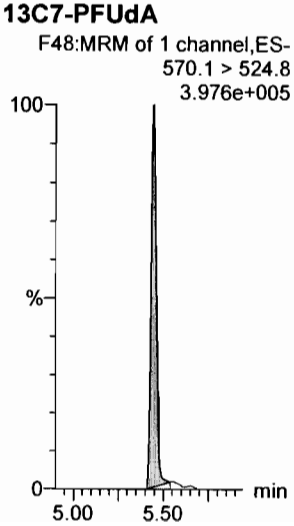
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-88.qld

Last Altered: Monday, February 26, 2018 10:00:04 Pacific Standard Time
Printed: Monday, February 26, 2018 10:00:13 Pacific Standard Time

✓JA. 02/26/2018

(A) Above limit criteria.

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 26 Feb 2018 09:30:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_88, Date: 25-Feb-2018, Time: 05:02:52, ID: ST180224M1-5 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1	PFBA	213.0 > 168.8	1.14e4	1.17e4		1.46	1.45	12.2	10.5	104.8	NO
2	2	PFPeA	263.1 > 218.9	1.17e4	1.37e4		2.42	2.40	10.6	10.5	105.4	NO
3	3	PFBS	299.0 > 79.7	2.28e3	1.69e3		2.60	2.68	16.9	9.09	90.9	NO
4	4	4:2 FTS	327.2>307.2	1.84e3	1.69e3		3.00	3.07	13.6	9.31	93.1	NO
5	5	PFHxA	313.2 > 268.9	1.27e4	4.12e3		3.19	3.17	15.4	10.2	102.1	NO
6	6	PFPeS	349.1>80.1	2.82e3	1.69e3		3.39	3.37	20.8	11.1	111.2	NO
7	7	PFHpA	363.0 > 318.9	1.06e4	9.29e3		3.81	3.78	14.3	10.9	109.4	NO
8	8	L-PFHxS	398.9 > 79.6	2.07e3	1.31e3		4.17	3.93	19.7	10.7	107.0	NO
9	10	6:2 FTS	427.1 > 407	3.08e3	1.59e4		4.28	4.25	2.42	10.6	106.5	NO
10	11	L-PFOA	413 > 368.7	1.21e4	1.59e4		4.40	4.30	9.49	9.55	95.5	NO
11	13	PFHpS	449 > 80.0	2.80e3	1.59e4		4.44	4.41	2.20	10.2	101.7	NO
12	14	PFNA	463.0 > 418.8	1.39e4	1.40e4		4.76	4.74	12.4	9.87	98.7	NO
13	15	PFOSA	498.1 > 77.8	3.51e3	4.10e3		4.83	4.80	10.7	10.5	104.9	NO
14	16	L-PFOS	499 > 79.9	3.13e3	3.93e3		4.95	4.82	9.95	9.15	91.5	NO
15	18	PFDA	513 > 468.8	1.51e4	1.54e4		5.14	5.11	12.3	9.38	93.8	NO
16	19	8:2 FTS	527 > 506.9	2.97e3	1.59e4		5.12	5.08	2.34	8.65	86.5	NO
17	20	PFNS	549.1>80.1	2.28e3	3.93e3		5.08	5.17	7.26	7.85	78.5	NO
18	21	N-MeFOSAA	570.1 > 419	7.38e3	6.22e3		5.29	5.26	14.8	10.2	102.3	NO
19	22	N-EtFOSAA	584.2 > 419	6.03e3	6.16e3		5.45	5.42	12.2	11.9	119.2	NO
20	23	PFUdA	563.0 > 518.9	1.44e4	1.55e4		5.46	5.43	11.6	11.7	116.6	NO
21	24	PFDS	598.8 > 80	3.44e3	1.55e4		5.51	5.48	2.77	12.0	120.2	NO
22	25	PFDoA	612.9 > 569.0	1.44e4	1.07e4		5.74	5.72	16.9	13.8	137.9	YES (A)
23	26	N-MeFOSA	512.1 > 168.9	7.95e3	2.11e4		5.84	5.80	56.4	57.2	114.5	NO
24	27	PFTrDA	662.9 > 618.9	1.92e4	1.07e4		5.98	5.96	22.5	17.1	171.3	YES (A)
25	28	PFTeDA	712.9 > 668.8	1.09e4	4.79e3		6.20	6.18	28.5	14.8	148.4	YES (A)
26	29	N-EtFOSA	526.1 > 168.9	1.03e4	3.17e4		6.22	6.21	48.8	51.3	102.5	NO
27	30	PFHxDA	813.1 > 768.6	5.56e3	3.69e3		6.51	6.50	7.53	15.3	152.5	YES (A)
28	31	PFODA	913.1 > 868.8	5.98e3	3.69e3		6.74	6.73	8.10	13.0	129.9	NO
29	32	N-MeFOSE	616.1 > 58.9	9.04e3	2.69e4		6.31	6.35	50.4	45.7	91.5	NO
30	33	N-EtFOSE	630.1 > 58.9	1.04e4	2.77e4		6.45	6.50	56.3	45.5	91.0	NO
31	34	13C3-PFBA	216.1 > 171.8	1.17e4	1.30e4	0.892	1.46	1.45	11.2	12.6	100.5	NO

JM 2/26/18

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Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-88.qld

Last Altered: Monday, February 26, 2018 10:00:04 Pacific Standard Time
Printed: Monday, February 26, 2018 10:00:13 Pacific Standard Time

Name: 180224M1_88, Date: 25-Feb-2018, Time: 05:02:52, ID: ST180224M1-5 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35	13C3-PFPeA	266. > 221.8	1.37e4	1.43e4	0.919	2.42	2.40	12.0	13.1	104.4	NO
33	36	13C3-PFBS	302. > 98.8	1.69e3	1.43e4	0.116	2.69	2.67	1.47	12.7	101.7	NO
34	37	13C2-PFHxA	315 > 269.8	4.12e3	1.43e4	0.732	3.19	3.17	3.60	4.91	98.3	NO
35	38	13C4-PFHpA	367.2 > 321.8	9.29e3	1.43e4	0.717	3.81	3.78	8.11	11.3	90.5	NO
36	39	18O2-PFHxS	403.0 > 102.6	1.31e3	3.63e3	0.368	3.96	3.93	4.52	12.3	98.2	NO
37	40	13C2-PFOA	414.9 > 369.7	1.59e4	1.21e4	1.311	4.33	4.30	16.4	12.5	100.1	NO
38	41	13C5-PFNA	468.2 > 422.9	1.40e4	1.33e4	0.974	4.76	4.74	13.1	13.5	107.8	NO
39	42	13C8-PFOSA	506.1 > 77.7	4.10e3	1.31e4	0.187	4.83	4.80	3.92	20.9	167.3	YES (A)
40	43	13C8-PFOS	507.0 > 79.9	3.93e3	3.74e3	1.075	4.84	4.82	13.1	12.2	97.8	NO
41	44	13C2-PFDA	515.1 > 469.9	1.54e4	1.19e4	1.019	5.14	5.11	16.2	15.9	127.4	NO
42	45	d3-N-MeFOSAA	573.3 > 419	6.22e3	1.31e4	0.325	5.29	5.26	5.95	18.3	146.4	NO
43	46	d5-N-EtFOSAA	589.3 > 419	6.16e3	1.31e4	0.345	5.45	5.42	5.90	17.1	136.7	NO
44	47	13C2-PFUdA	565 > 519.8	1.55e4	1.31e4	1.071	5.46	5.43	14.9	13.9	111.1	NO
45	48	13C2-PFDoA	615.0 > 569.7	1.07e4	1.31e4	0.995	5.74	5.72	10.2	10.2	82.0	NO
46	49	d3-N-MeFOSA	515.2 > 168.9	2.11e4	1.31e4	0.090	5.84	5.83	20.2	225	150.2	YES (A)
47	50	13C2-PFTeDA	714.8 > 669.6	4.79e3	1.31e4	0.551	6.20	6.18	4.59	8.32	66.5	NO
48	51	d5-N-ETFOSA	531.1 > 168.9	3.17e4	1.31e4	0.127	6.22	6.22	30.4	239	159.3	YES (A)
49	52	13C2-PFHxDA	815 > 769.7	3.69e3	1.31e4	0.752	6.51	6.50	3.53	4.70	94.1	NO
50	53	d7-N-MeFOSE	623.1 > 58.9	2.69e4	1.31e4	0.098	6.31	6.34	25.8	262	174.7	YES (A)
51	54	d9-N-EtFOSE	639.2 > 58.8	2.77e4	1.31e4	0.086	6.45	6.49	26.5	306	204.2	YES (A)
52	55	13C4-PFBA	217. > 171.8	1.30e4	1.30e4	1.000	1.46	1.45	12.5	12.5	100.0	NO
53	56	13C5-PFHxA	318 > 272.9	1.43e4	1.43e4	1.000	3.19	3.17	12.5	12.5	100.0	NO
54	57	13C3-PFHxS	401.9 > 79.9	3.63e3	3.63e3	1.000	3.96	3.93	12.5	12.5	100.0	NO
55	58	13C8-PFOA	421.3 > 376	1.21e4	1.21e4	1.000	4.33	4.30	12.5	12.5	100.0	NO
56	59	13C9-PFNA	472.2 > 426.9	1.33e4	1.33e4	1.000	4.70	4.74	12.5	12.5	100.0	NO
57	60	13C4-PFOS	503 > 79.9	3.74e3	3.74e3	1.000	4.84	4.82	12.5	12.5	100.0	NO
58	61	13C6-PFDA	519.1 > 473.7	1.19e4	1.19e4	1.000	5.14	5.11	12.5	12.5	100.0	NO
59	62	13C7-PFUdA	570.1 > 524.8	1.31e4	1.31e4	1.000	5.46	5.44	12.5	12.5	100.0	NO

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Dataset: Untitled

Last Altered: Monday, February 26, 2018 10:44:51 Pacific Standard Time
Printed: Monday, February 26, 2018 10:45:23 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 26 Feb 2018 09:30:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180224M1_3	ST180224M1-1 PFC CS0 18B2314	24-Feb-18	12:44:48
2	180224M1_4	IPA	24-Feb-18	12:56:18
3	180224M1_5	1800306-01 REEPDW164FRB 0.12054	24-Feb-18	13:07:48
4	180224M1_6	1800306-02 REEPDW165FRB 0.11619	24-Feb-18	13:19:12
5	180224M1_7	1800306-03 REEPDW166FRB 0.11151	24-Feb-18	13:30:38
6	180224M1_8	1800306-04 REEPDW167FRB 0.1185	24-Feb-18	13:42:05
7	180224M1_9	1800306-05 REEPDW168FRB 0.11959	24-Feb-18	13:53:35
8	180224M1_10	1800306-06 REEPDW169FRB 0.11933	24-Feb-18	14:08:23
9	180224M1_11	1800306-07 REEPDW170FRB 0.11818	24-Feb-18	14:19:45
10	180224M1_12	1800306-08 REEPDW171FRB 0.12105	24-Feb-18	14:31:12
11	180224M1_13	1800306-09 REEPDW172FRB 0.12044	24-Feb-18	14:42:39
12	180224M1_14	1800306-10 REEPDW173FRB 0.11418	24-Feb-18	14:54:06
13	180224M1_15	B8B0132-BS1 OPR 0.125	24-Feb-18	15:05:36
14	180224M1_16	B8B0132-BLK1 Method Blank 0.125	24-Feb-18	15:17:06
15	180224M1_17	B8B0132-MS1 Matrix Spike 0.11558	24-Feb-18	15:28:33
16	180224M1_18	B8B0132-MSD1 Matrix Spike Dup 0.12417	24-Feb-18	15:40:03
17	180224M1_19	1800342-01 WI-AF-29-MW-4-0218 0.12269	24-Feb-18	15:51:30
18	180224M1_20	1800342-02 WI-AF-29-MW-4P-0218 0.11686	24-Feb-18	16:02:56
19	180224M1_21	1800342-03 WI-AF-FB01-021318 0.12659	24-Feb-18	16:14:23
20	180224M1_22	1800342-04 WI-AF-EB01-021318 0.12366	24-Feb-18	16:25:50
21	180224M1_23	1800342-05 WI-AF-EB03-021318 0.12695	24-Feb-18	16:37:20
22	180224M1_24	IPA	24-Feb-18	16:48:47
23	180224M1_25	ST180224M1-2 PFC CS3 18B2317	24-Feb-18	17:00:17
24	180224M1_26	IPA	24-Feb-18	17:11:46
25	180224M1_27	1800342-06 WI-AF-EB04-021318 0.12464	24-Feb-18	17:23:18
26	180224M1_28	1800342-07 WI-AF-MW-N2-9-0218 0.11882	24-Feb-18	17:34:42
27	180224M1_29	1800342-08 WI-AF-MW-N2-9P-0218 0.11893	24-Feb-18	17:46:09
28	180224M1_30	1800342-09 WI-AF-FB01-021518 0.11547	24-Feb-18	17:57:36
29	180224M1_31	1800342-10 WI-AF-MW-N2-7S-0218 0.124	24-Feb-18	18:09:03
30	180224M1_32	1800342-11 WI-AF-MW-N2-3-0218 0.11817	24-Feb-18	18:20:32
31	180224M1_33	1800342-12 WI-AF-EB01-021618 0.11885	24-Feb-18	18:31:59

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Last Altered: Monday, February 26, 2018 10:44:51 Pacific Standard Time
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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180224M1_34	1800342-13 WI-AF-MW-N2-8-0218 0.12041	24-Feb-18	18:43:26
33	180224M1_35	1800342-14 WI-AF-MW-201-0218 0.11911	24-Feb-18	18:54:56
34	180224M1_36	1800342-15 WI-AF-FB01-021718 0.11145	24-Feb-18	19:06:22
35	180224M1_37	1800342-16 WI-AF-4-MW-3-0218 0.11068	24-Feb-18	19:17:49
36	180224M1_38	1800342-17 WI-AF-EB01-021718 0.12581	24-Feb-18	19:29:18
37	180224M1_39	1800342-18 WI-AF-N2-6C-0218 0.11624	24-Feb-18	19:40:47
38	180224M1_40	1800342-19 WI-AF-FB01-021818 0.11386	24-Feb-18	19:52:16
39	180224M1_41	B8B0115-BS1 OPR 0.125	24-Feb-18	20:03:46
40	180224M1_42	B8B0115-BLK1 Method Blank 0.125	24-Feb-18	20:15:13
41	180224M1_43	B8B0115-MS1 Matrix Spike 0.1206	24-Feb-18	20:26:43
42	180224M1_44	B8B0115-MSD1 Matrix Spike Dup 0.12027	24-Feb-18	20:38:12
43	180224M1_45	1800312-01 REEPDW174 0.12357	24-Feb-18	20:49:40
44	180224M1_46	1800312-02 REEPDW175 0.12536	24-Feb-18	21:01:07
45	180224M1_47	IPA	24-Feb-18	21:12:37
46	180224M1_48	ST180224M1-3 PFC CS3 18B2317	24-Feb-18	21:24:04
47	180224M1_49	IPA	24-Feb-18	21:35:34
48	180224M1_50	1800312-03 REEPDW176 0.12182	24-Feb-18	21:47:04
49	180224M1_51	1800312-04 REEPDW177 0.11976	24-Feb-18	21:58:28
50	180224M1_52	1800312-05 REEPDW179 0.12055	24-Feb-18	22:09:55
51	180224M1_53	1800312-06 REEPDW178 0.12456	24-Feb-18	22:21:22
52	180224M1_54	1800312-07 REEPDW180 0.11918	24-Feb-18	22:32:52
53	180224M1_55	1800312-08 REEPDW517 0.12276	24-Feb-18	22:44:21
54	180224M1_56	1800313-01 REEPDW174FRB 0.12579	24-Feb-18	22:55:48
55	180224M1_57	1800313-02 REEPDW175FRB 0.12099	24-Feb-18	23:07:15
56	180224M1_58	1800313-03 REEPDW176FRB 0.12295	24-Feb-18	23:18:42
57	180224M1_59	1800313-04 REEPDW177FRB 0.12439	24-Feb-18	23:30:09
58	180224M1_60	1800313-05 REEPDW179FRB 0.12378	24-Feb-18	23:41:35
59	180224M1_61	1800313-06 REEPDW178FRB 0.12129	24-Feb-18	23:53:05
60	180224M1_62	1800313-07 REEPDW180FRB 0.12115	25-Feb-18	00:04:36
61	180224M1_63	1800318-01 REEPDW181 0.12681	25-Feb-18	00:16:03
62	180224M1_64	1800318-02 REEPDW182 0.11511	25-Feb-18	00:27:32
63	180224M1_65	IPA	25-Feb-18	00:39:02
64	180224M1_66	ST180224M1-4 PFC CS0 18B2314	25-Feb-18	00:50:29
65	180224M1_67	IPA	25-Feb-18	01:01:59

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Dataset: Untitled

Last Altered: Monday, February 26, 2018 10:44:51 Pacific Standard Time
Printed: Monday, February 26, 2018 10:45:23 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	180224M1_68	1800318-03 REEPDW183 0.1239	25-Feb-18	01:13:29
67	180224M1_69	1800318-04 REEPDW184 0.11402	25-Feb-18	01:24:58
68	180224M1_70	1800318-05 REEPDW185 0.12148	25-Feb-18	01:36:24
69	180224M1_71	B8B0096-BS1 OPR 0.125	25-Feb-18	01:47:55
70	180224M1_72	B8B0096-BLK1 Method Blank 0.125	25-Feb-18	01:59:24
71	180224M1_73	B8B0096-MS1 Matrix Spike 0.11568	25-Feb-18	02:10:53
72	180224M1_74	B8B0096-MSD1 Matrix Spike Dup 0.1188	25-Feb-18	02:22:22
73	180224M1_75	1800298-01 REEPDW155 0.11708	25-Feb-18	02:33:49
74	180224M1_76	1800298-02 REEPDW156 0.11596	25-Feb-18	02:45:16
75	180224M1_77	1800298-03 REEPDW157 0.12015	25-Feb-18	02:56:46
76	180224M1_78	1800298-04 REEPDW158 0.1178	25-Feb-18	03:08:15
77	180224M1_79	1800298-05 REEPDW159 0.11737	25-Feb-18	03:19:44
78	180224M1_80	1800299-01 REEPDW155FRB 0.11474	25-Feb-18	03:31:04
79	180224M1_81	1800299-02 REEPDW156FRB 0.1178	25-Feb-18	03:42:32
80	180224M1_82	1800299-03 REEPDW157FRB 0.11643	25-Feb-18	03:54:01
81	180224M1_83	1800299-04 REEPDW158FRB 0.11892	25-Feb-18	04:05:31
82	180224M1_84	1800299-05 REEPDW159FRB 0.11693	25-Feb-18	04:17:00
83	180224M1_85	1800301-01 REEPDW160 0.11595	25-Feb-18	04:28:26
84	180224M1_86	1800301-02 REEPDW515 0.11695	25-Feb-18	04:39:56
85	180224M1_87	IPA	25-Feb-18	04:51:25
86	180224M1_88	ST180224M1-5 PFC CS3 18B2317	25-Feb-18	05:02:52
87	180224M1_89	IPA	25-Feb-18	05:14:21
88	180224M1_90	1800301-03 REEPDW161 0.11505	25-Feb-18	05:25:51
89	180224M1_91	1800301-04 REEPDW162 0.11664	25-Feb-18	05:37:21
90	180224M1_92	1800301-05 REEPDW163 0.11483	25-Feb-18	05:48:48
91	180224M1_93	1800302-01 REEPDW160FRB 0.11761	25-Feb-18	06:00:15
92	180224M1_94	1800302-02 REEPDW161FRB 0.1172	25-Feb-18	06:11:42
93	180224M1_95	1800302-03 REEPDW162FRB 0.11535	25-Feb-18	06:23:09
94	180224M1_96	1800302-04 REEPDW163FRB 0.11575	25-Feb-18	06:34:35
95	180224M1_97	B8B0111-BS1 OPR 0.125	25-Feb-18	06:46:02
96	180224M1_98	B8B0111-BLK1 Method Blank 0.125	25-Feb-18	06:57:33
97	180224M1_99	B8B0111-MS1 Matrix Spike 0.11922	25-Feb-18	07:09:00
98	180224M1_100	B8B0111-MSD1 Matrix Spike Dup 0.1198	25-Feb-18	07:20:29
99	180224M1_101	1800308-01 OF-RW55-0218 0.11519	25-Feb-18	07:31:56

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, February 26, 2018 10:44:51 Pacific Standard Time
Printed: Monday, February 26, 2018 10:45:23 Pacific Standard Time

Compound name: PFBA

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100	180224M1_102	1800308-02 OF-RW55P-0218 0.11586	25-Feb-18	07:43:23
101	180224M1_103	1800308-03 OF-FB55-0218 0.11289	25-Feb-18	07:54:50
102	180224M1_104	1800308-04 OF-RW56-0218 0.11816	25-Feb-18	08:06:17
103	180224M1_105	1800308-05 OF-FB56-0218 0.11044	25-Feb-18	08:17:47
104	180224M1_106	1800308-06 OF-RW53-0218 0.11594	25-Feb-18	08:29:15
105	180224M1_107	1800308-07 OF-FB53-0218 0.11932	25-Feb-18	08:40:42
106	180224M1_108	1800308-08 OF-RW68-0218 0.11919	25-Feb-18	08:52:09
107	180224M1_109	1800308-09 OF-FB68-0218 0.11842	25-Feb-18	09:03:36
108	180224M1_110	1800308-10 OF-RW54-0218 0.07054	25-Feb-18	09:15:05
109	180224M1_111	1800308-11 OF-FB54-0218 0.11801	25-Feb-18	09:26:31
110	180224M1_112	1800308-12 OF-RW69-0218 0.11701	25-Feb-18	09:38:01
111	180224M1_113	1800308-13 OF-FB69-0218 0.1193	25-Feb-18	09:49:31
112	180224M1_114	IPA	25-Feb-18	10:00:58
113	180224M1_115	ST180224M1-6 PFC CS3 18B2317	25-Feb-18	10:12:28
114	180224M1_116	IPA	25-Feb-18	10:23:57
115	180224M1_117	1800308-14 OF-RW30-0218 0.11538	25-Feb-18	10:35:23
116	180224M1_118	1800308-15 OF-FB30-0218 0.12036	25-Feb-18	10:46:50
117	180224M1_119	1800308-16 OF-RW24-0218 0.11552	25-Feb-18	10:58:17
118	180224M1_120	1800308-17 OF-FB24-0218 0.11631	25-Feb-18	11:09:44
119	180224M1_121	1800308-18 OF-RW46-0218 0.11424	25-Feb-18	11:21:14
120	180224M1_122	1800308-19 OF-FB46-0218 0.11839	25-Feb-18	11:32:44
121	180224M1_123	IPA	25-Feb-18	11:44:14
122	180224M1_124	ST180224M1-7 PFC CS3 18B2317	25-Feb-18	11:55:44
123	180224M1_125	IPA	25-Feb-18	12:07:13

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-88.qld

Last Altered: Monday, February 26, 2018 10:00:04 Pacific Standard Time
Printed: Monday, February 26, 2018 10:00:13 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 26 Feb 2018 09:30:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_88, Date: 25-Feb-2018, Time: 05:02:52, ID: ST180224M1-5 PFC CS3 18B2317, Description: PFC CS3 18B2317

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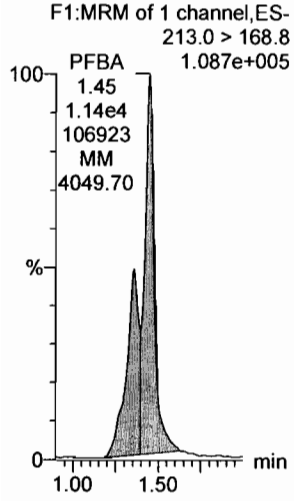

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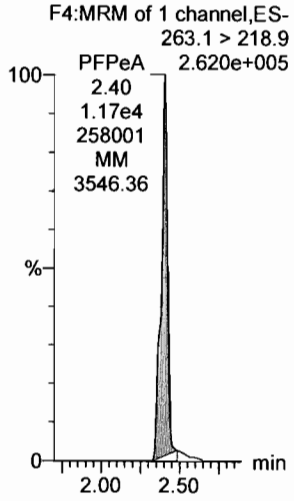

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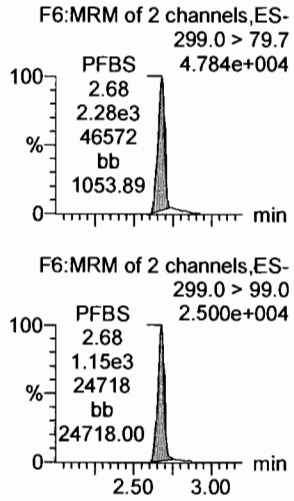

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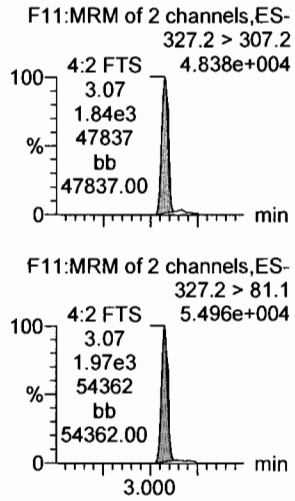

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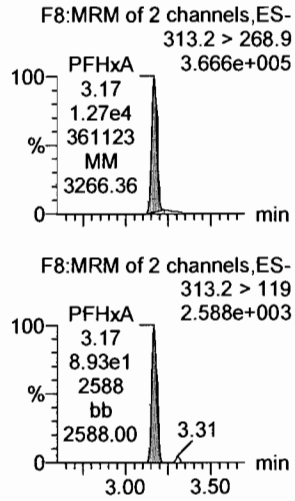

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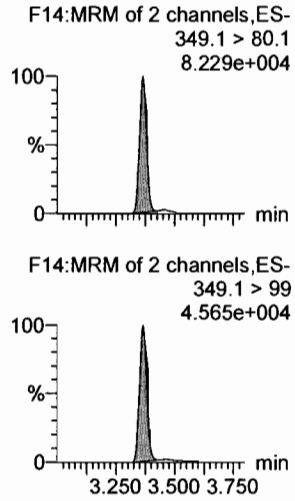

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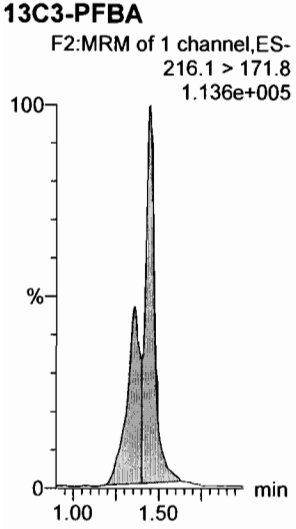

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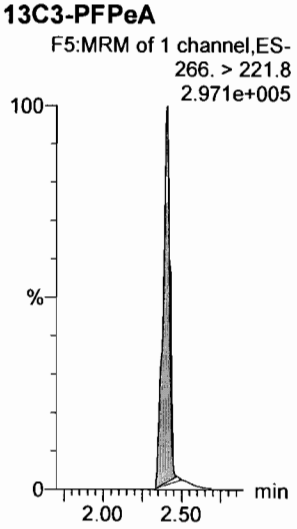

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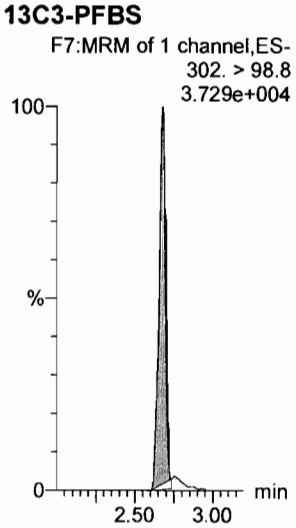

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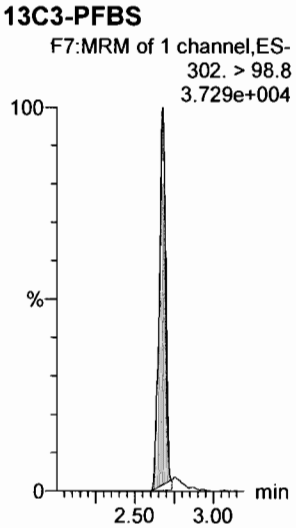

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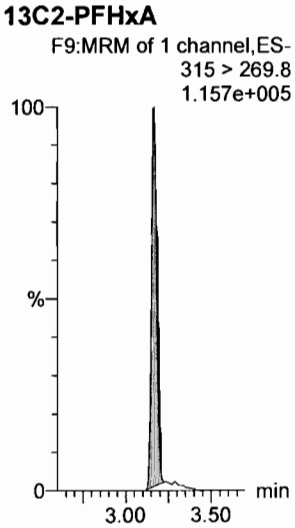

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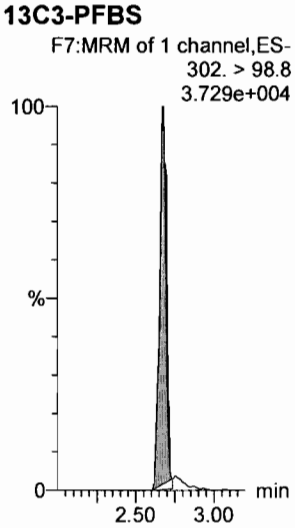

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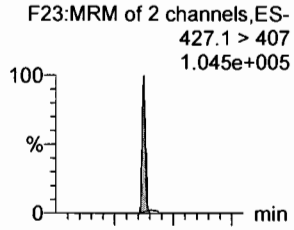
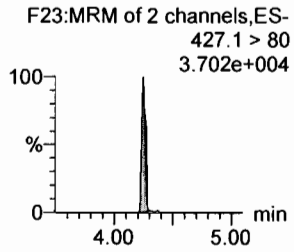
Last Altered: Monday, February 26, 2018 10:00:04 Pacific Standard Time
Printed: Monday, February 26, 2018 10:00:13 Pacific Standard Time

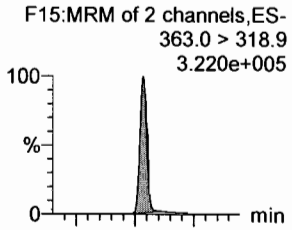
Name: 180224M1_88, Date: 25-Feb-2018, Time: 05:02:52, ID: ST180224M1-5 PFC CS3 18B2317, Description: PFC CS3 18B2317

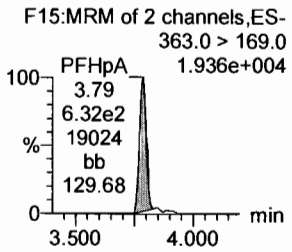
6:2 FTS





PFHpA





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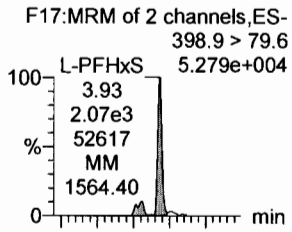

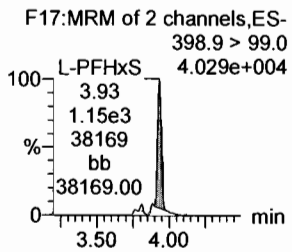

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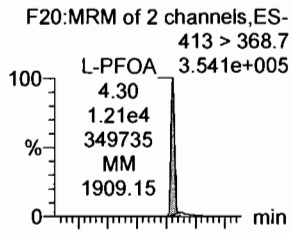

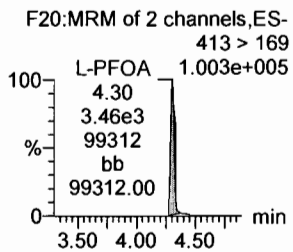

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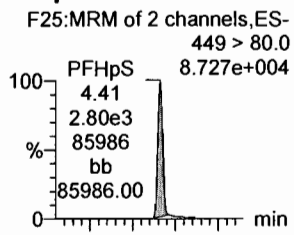

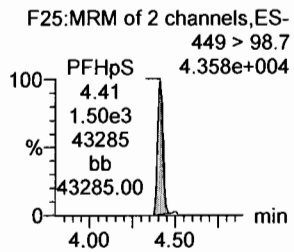

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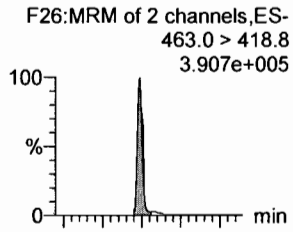

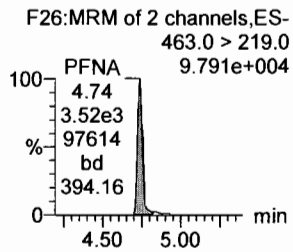

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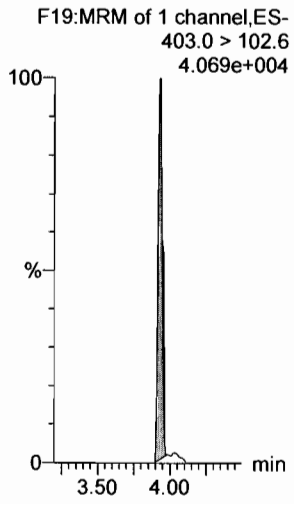

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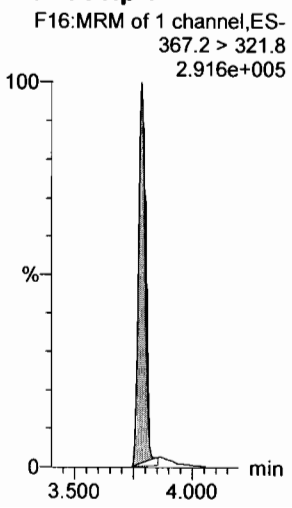

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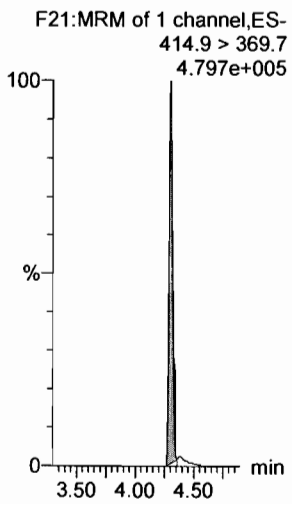

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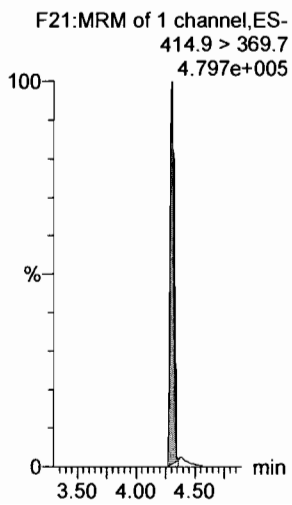

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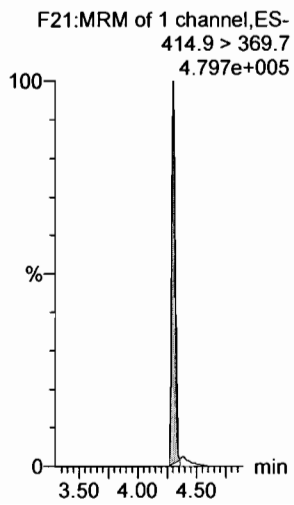

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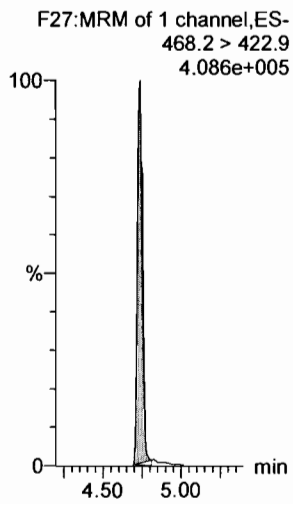

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Last Altered: Monday, February 26, 2018 10:00:04 Pacific Standard Time
Printed: Monday, February 26, 2018 10:00:13 Pacific Standard Time

Name: 180224M1_88, Date: 25-Feb-2018, Time: 05:02:52, ID: ST180224M1-5 PFC CS3 18B2317, Description: PFC CS3 18B2317

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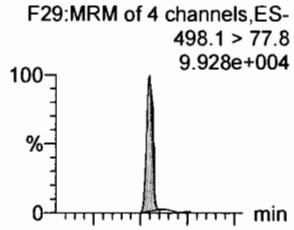

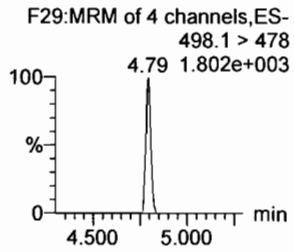

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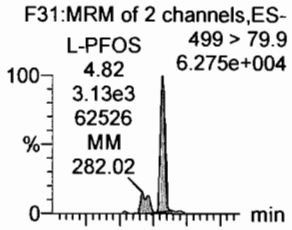

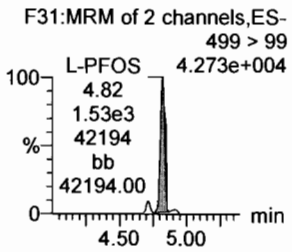

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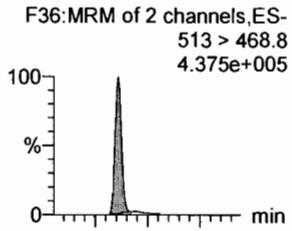

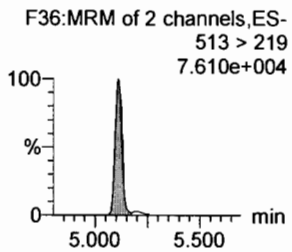

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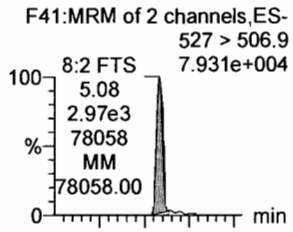

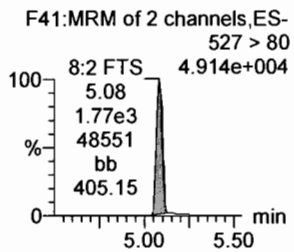

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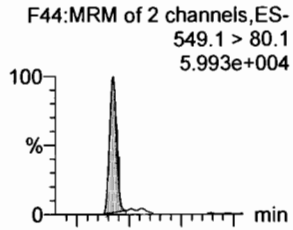
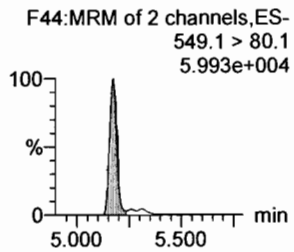
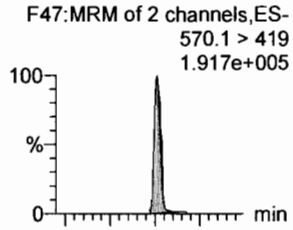
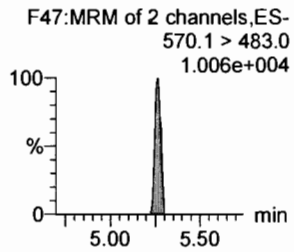


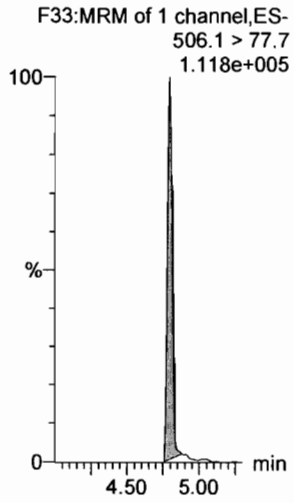


N-MeFOSAA

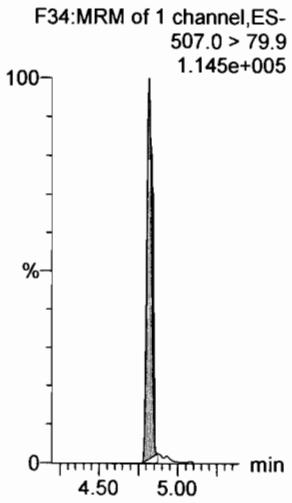




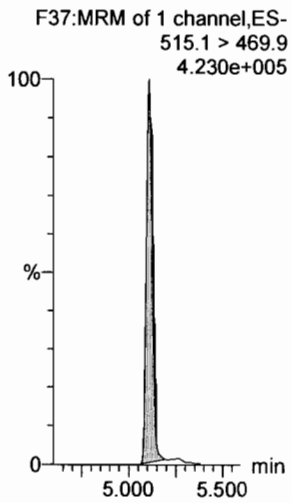
13C8-PFOSA



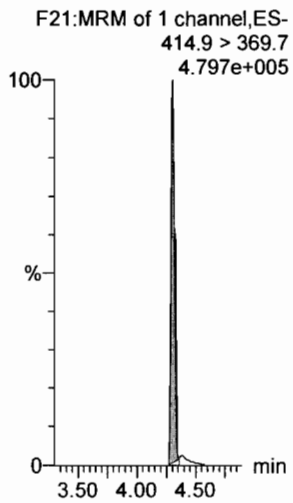
13C8-PFOS



13C2-PFDA



13C2-PFOA



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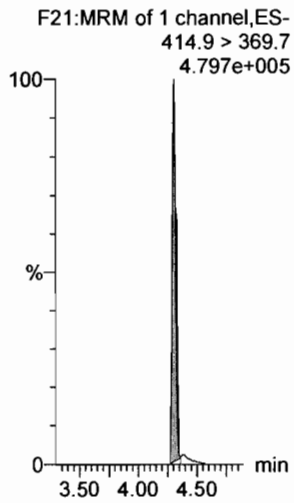
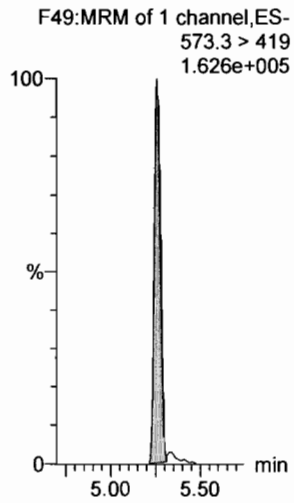


d3-N-MeFOSAA

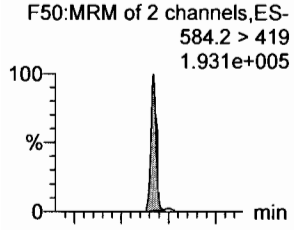


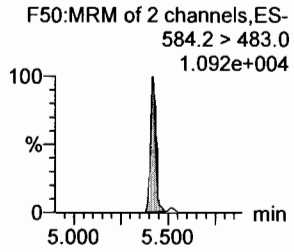
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-88.qld

Last Altered: Monday, February 26, 2018 10:00:04 Pacific Standard Time
Printed: Monday, February 26, 2018 10:00:13 Pacific Standard Time

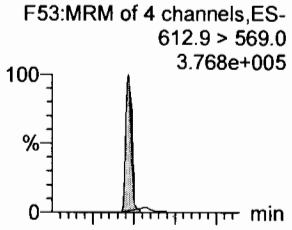
Name: 180224M1_88, Date: 25-Feb-2018, Time: 05:02:52, ID: ST180224M1-5 PFC CS3 18B2317, Description: PFC CS3 18B2317

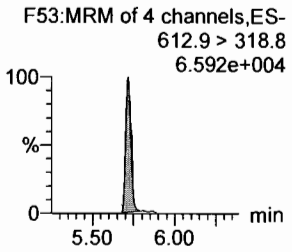
N-EtFOSAA



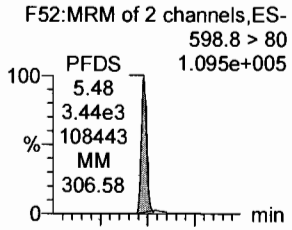


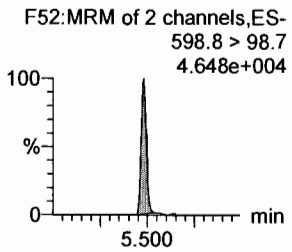
PFDoA



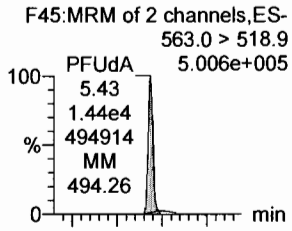


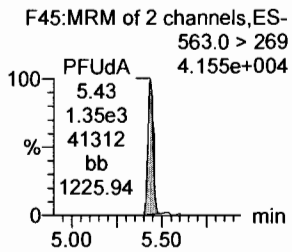
PFDS



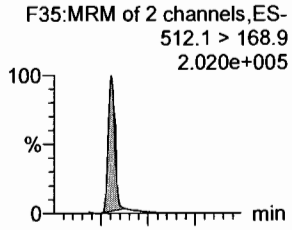


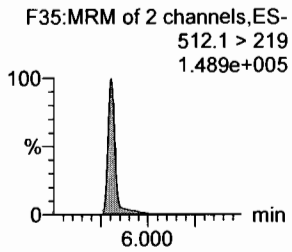
PFUdA



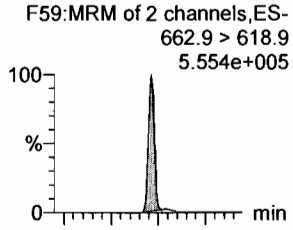


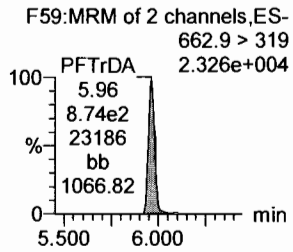
N-MeFOSA



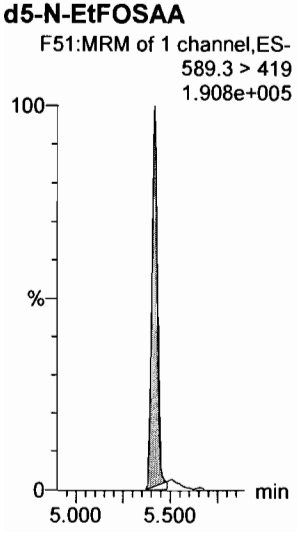


PFTrDA

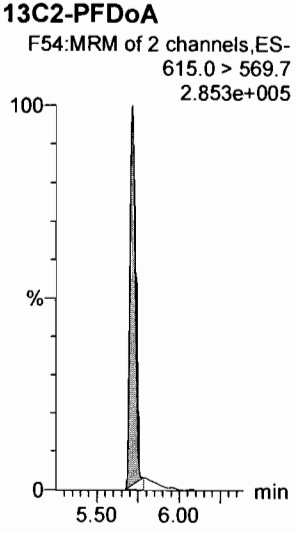




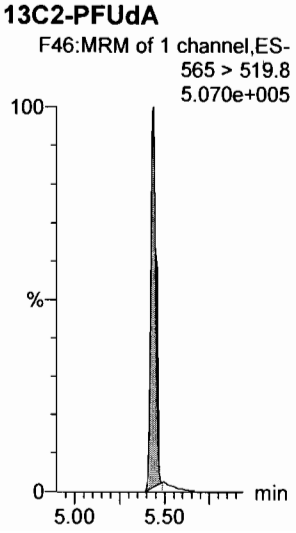
d5-N-EtFOSAA



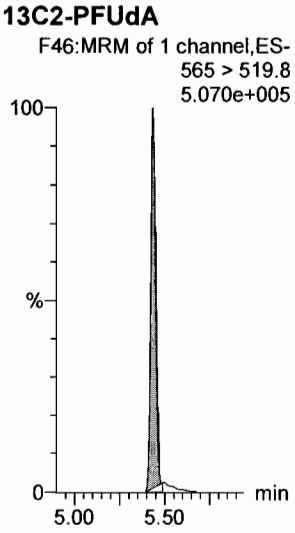
13C2-PFDoA



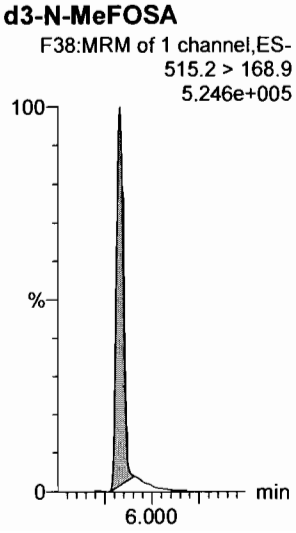
13C2-PFUdA



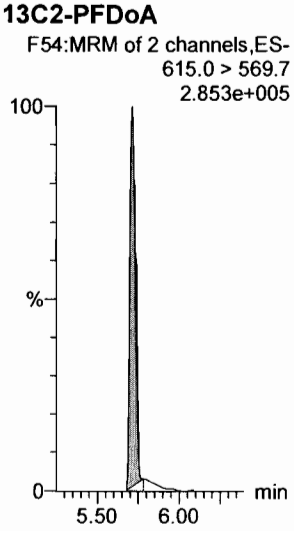
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

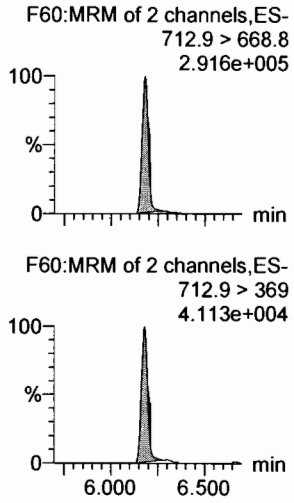


Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-88.qld

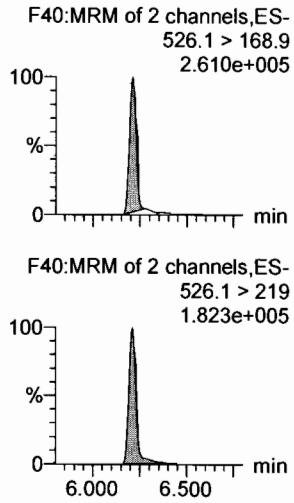
Last Altered: Monday, February 26, 2018 10:00:04 Pacific Standard Time
Printed: Monday, February 26, 2018 10:00:13 Pacific Standard Time

Name: 180224M1_88, Date: 25-Feb-2018, Time: 05:02:52, ID: ST180224M1-5 PFC CS3 18B2317, Description: PFC CS3 18B2317

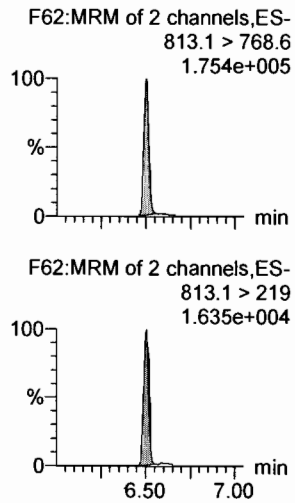
PFTeDA



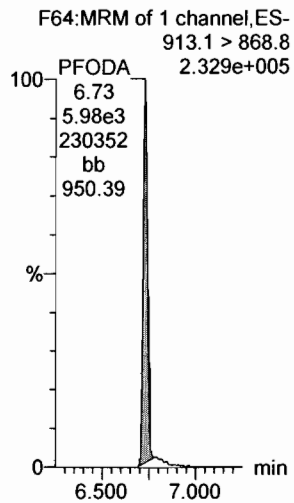
N-EtFOSA



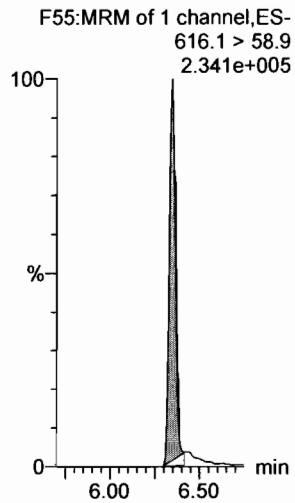
PFHxDA



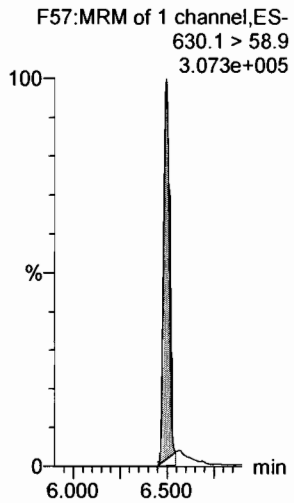
PFODA



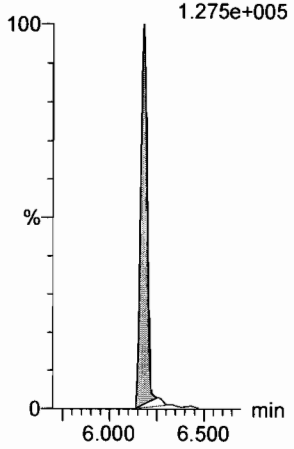
N-MeFOSE



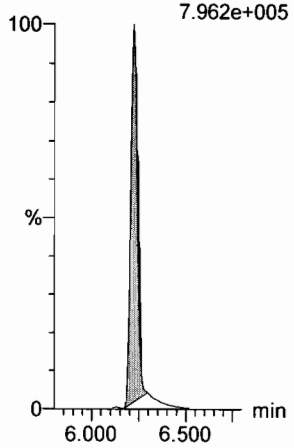
N-EtFOSE



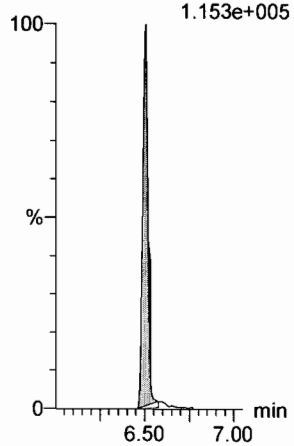
13C2-PFTeDA



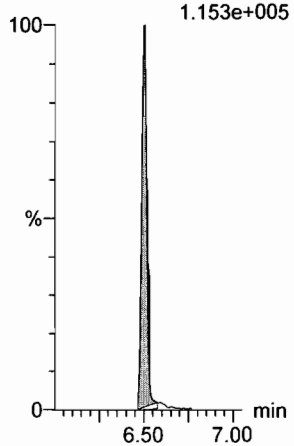
d5-N-ETFOSA



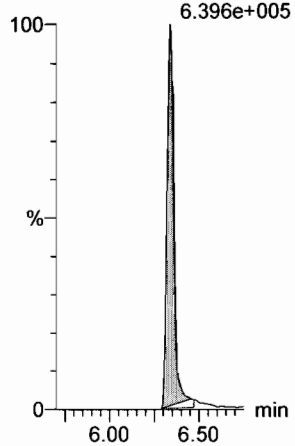
13C2-PFHxDA



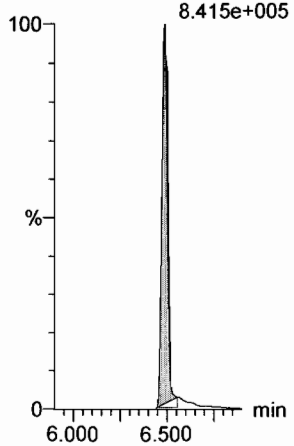
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

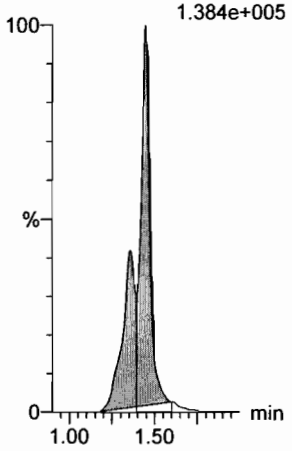


Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-88.qld

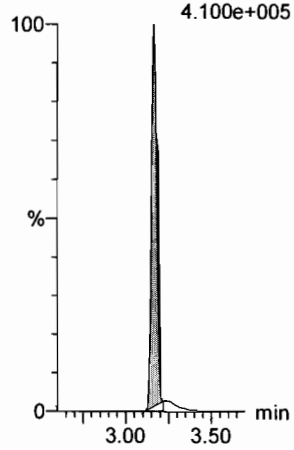
Last Altered: Monday, February 26, 2018 10:00:04 Pacific Standard Time
Printed: Monday, February 26, 2018 10:00:13 Pacific Standard Time

Name: 180224M1_88, Date: 25-Feb-2018, Time: 05:02:52, ID: ST180224M1-5 PFC CS3 18B2317, Description: PFC CS3 18B2317

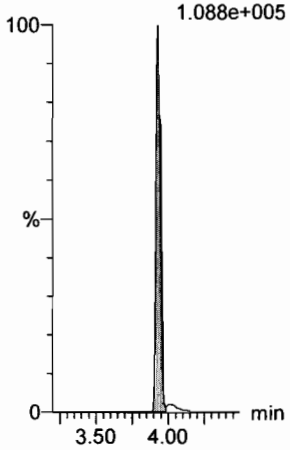
13C4-PFBA



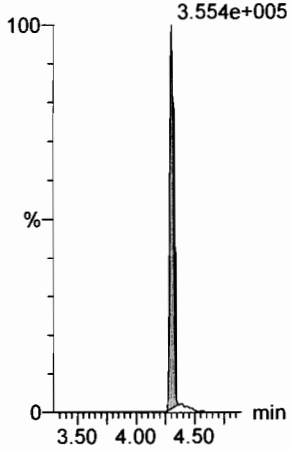
13C5-PFHxA



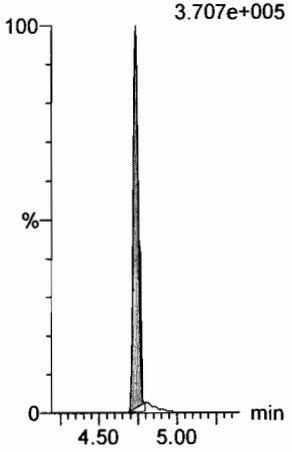
13C3-PFHxS



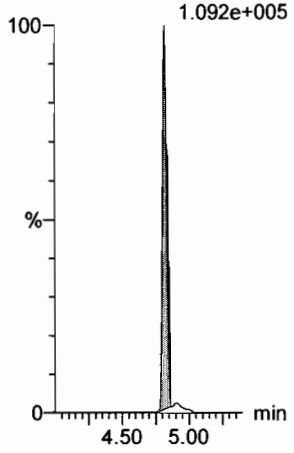
13C8-PFOA



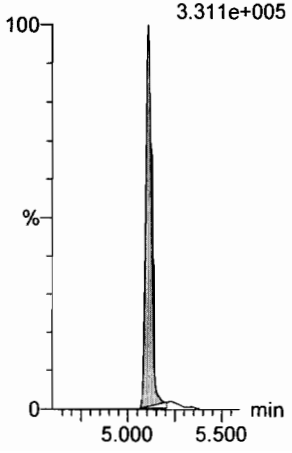
13C9-PFNA



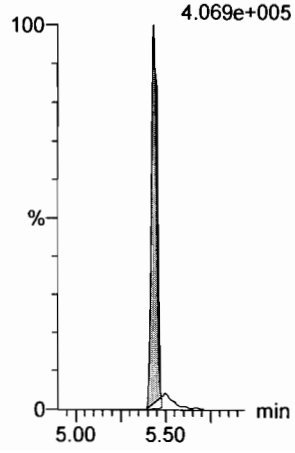
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-115.qld

Last Altered: Monday, February 26, 2018 10:19:31 Pacific Standard Time
Printed: Monday, February 26, 2018 10:19:48 Pacific Standard Time

✓ JA. 02/26/2018

(A) Above limit criteria.

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 26 Feb 2018 09:30:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_115, Date: 25-Feb-2018, Time: 10:12:28, ID: ST180224M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1	PFBA	213.0 > 168.8	1.13e4	1.20e4		1.46	1.44	11.8	10.1	101.4	NO
2	2	PFPeA	263.1 > 218.9	1.12e4	1.31e4		2.42	2.39	10.7	10.7	106.7	NO
3	3	PFBS	299.0 > 79.7	2.53e3	1.93e3		2.60	2.67	16.4	8.81	88.1	NO
4	4	4:2 FTS	327.2>307.2	1.69e3	1.93e3		3.00	3.07	10.9	7.46	74.6	NO
5	5	PFHxA	313.2 > 268.9	1.33e4	4.13e3		3.19	3.16	16.0	10.6	106.3	NO
6	6	PFPeS	349.1>80.1	2.94e3	1.93e3		3.39	3.35	19.1	10.2	101.7	NO
7	7	PFHpA	363.0 > 318.9	1.04e4	9.69e3		3.81	3.77	13.4	10.2	102.3	NO
8	8	L-PFHxS	398.9 > 79.6	2.19e3	1.29e3		4.17	3.92	21.3	11.6	115.6	NO
9	10	6:2 FTS	427.1 > 407	2.97e3	1.56e4		4.28	4.24	2.39	10.5	105.0	NO
10	11	L-PFOA	413 > 368.7	1.26e4	1.56e4		4.40	4.30	10.1	10.2	101.5	NO
11	13	PFHpS	449 > 80.0	2.87e3	1.56e4		4.44	4.40	2.31	10.7	106.7	NO
12	14	PFNA	463.0 > 418.8	1.46e4	1.24e4		4.76	4.72	14.8	11.7	117.5	NO
13	15	PFOSA	498.1 > 77.8	3.87e3	4.15e3		4.83	4.79	11.7	11.4	114.3	NO
14	16	L-PFOS	499 > 79.9	3.16e3	3.68e3		4.95	4.81	10.7	9.85	98.5	NO
15	18	PFDA	513 > 468.8	1.37e4	1.25e4		5.14	5.10	13.6	10.4	104.1	NO
16	19	8:2 FTS	527 > 506.9	2.89e3	1.56e4		5.12	5.07	2.32	8.59	85.9	NO
17	20	PFNS	549.1>80.1	2.83e3	3.68e3		5.08	5.16	9.59	10.4	103.7	NO
18	21	N-MeFOSAA	570.1 > 419	6.65e3	5.92e3		5.29	5.25	14.0	9.68	96.8	NO
19	22	N-EtFOSAA	584.2 > 419	6.21e3	6.39e3		5.45	5.41	12.1	11.8	118.3	NO
20	23	PFUdA	563.0 > 518.9	1.37e4	1.42e4		5.46	5.42	12.0	12.1	121.1	NO
21	24	PFDS	598.8 > 80	3.61e3	1.42e4		5.51	5.47	3.18	13.8	138.3	YES (A)
22	25	PFDoA	612.9 > 569.0	1.31e4	1.05e4		5.74	5.70	15.6	12.7	126.9	NO
23	26	N-MeFOSA	512.1 > 168.9	7.89e3	2.18e4		5.84	5.80	54.2	55.0	110.0	NO
24	27	PFTrDA	662.9 > 618.9	1.76e4	1.05e4		5.98	5.95	21.1	16.0	160.2	YES (A)
25	28	PFTeDA	712.9 > 668.8	1.01e4	5.08e3		6.20	6.17	25.0	13.0	129.5	NO
26	29	N-EtFOSA	526.1 > 168.9	1.04e4	3.20e4		6.22	6.21	48.7	51.1	102.3	NO
27	30	PFHxDA	813.1 > 768.6	5.89e3	3.60e3		6.51	6.49	8.18	16.6	166.1	YES (A)
28	31	PFODA	913.1 > 868.8	5.27e3	3.60e3		6.74	6.72	7.32	11.7	117.4	NO
29	32	N-MeFOSE	616.1 > 58.9	9.15e3	2.72e4		6.31	6.34	50.4	45.8	91.5	NO
30	33	N-EtFOSE	630.1 > 58.9	9.64e3	2.25e4		6.45	6.50	64.2	51.9	103.9	NO
31	34	13C3-PFBA	216.1 > 171.8	1.20e4	1.36e4	0.892	1.46	1.44	11.0	12.4	99.0	NO

DM 2/26/18

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Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-115.qld

Last Altered: Monday, February 26, 2018 10:19:31 Pacific Standard Time
Printed: Monday, February 26, 2018 10:19:48 Pacific Standard Time

Name: 180224M1_115, Date: 25-Feb-2018, Time: 10:12:28, ID: ST180224M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35	13C3-PFPeA	266. > 221.8	1.31e4	1.55e4	0.919	2.42	2.39	10.5	11.5	91.6	NO
33	36	13C3-PFBS	302. > 98.8	1.93e3	1.55e4	0.116	2.69	2.67	1.55	13.4	107.2	NO
34	37	13C2-PFHxA	315 > 269.8	4.13e3	1.55e4	0.732	3.19	3.16	3.33	4.55	90.9	NO
35	38	13C4-PFHpA	367.2 > 321.8	9.69e3	1.55e4	0.717	3.81	3.77	7.81	10.9	87.1	NO
36	39	18O2-PFHxS	403.0 > 102.6	1.29e3	3.51e3	0.368	3.96	3.92	4.57	12.4	99.5	NO
37	40	13C2-PFOA	414.9 > 369.7	1.56e4	1.23e4	1.311	4.33	4.30	15.8	12.0	96.4	NO
38	41	13C5-PFNA	468.2 > 422.9	1.24e4	1.27e4	0.974	4.76	4.73	12.2	12.6	100.5	NO
39	42	13C8-PFOSA	506.1 > 77.7	4.15e3	1.42e4	0.187	4.83	4.79	3.66	19.5	156.0	YES (A)
40	43	13C8-PFOS	507.0 > 79.9	3.68e3	3.53e3	1.075	4.84	4.81	13.0	12.1	97.0	NO
41	44	13C2-PFDA	515.1 > 469.9	1.25e4	1.24e4	1.019	5.14	5.10	12.6	12.4	99.3	NO
42	45	d3-N-MeFOSAA	573.3 > 419	5.92e3	1.42e4	0.325	5.29	5.25	5.22	16.0	128.3	NO
43	46	d5-N-EtFOSAA	589.3 > 419	6.39e3	1.42e4	0.345	5.45	5.41	5.64	16.3	130.7	NO
44	47	13C2-PFUdA	565 > 519.8	1.42e4	1.42e4	1.071	5.46	5.42	12.5	11.7	93.5	NO
45	48	13C2-PFDoA	615.0 > 569.7	1.05e4	1.42e4	0.995	5.74	5.70	9.21	9.26	74.1	NO
46	49	d3-N-MeFOSA	515.2 > 168.9	2.18e4	1.42e4	0.090	5.84	5.83	19.2	214	142.8	NO
47	50	13C2-PFTeDA	714.8 > 669.6	5.08e3	1.42e4	0.551	6.20	6.17	4.48	8.12	64.9	NO
48	51	d5-N-ETFOSA	531.1 > 168.9	3.20e4	1.42e4	0.127	6.22	6.22	28.2	222	148.1	NO
49	52	13C2-PFHxDA	815 > 769.7	3.60e3	1.42e4	0.752	6.51	6.49	3.17	4.22	84.4	NO
50	53	d7-N-MeFOSE	623.1 > 58.9	2.72e4	1.42e4	0.098	6.31	6.34	24.0	244	162.7	YES (A)
51	54	d9-N-EtFOSE	639.2 > 58.8	2.25e4	1.42e4	0.086	6.45	6.49	19.8	230	153.0	YES (A)
52	55	13C4-PFBA	217. > 171.8	1.36e4	1.36e4	1.000	1.46	1.43	12.5	12.5	100.0	NO
53	56	13C5-PFHxA	318 > 272.9	1.55e4	1.55e4	1.000	3.19	3.16	12.5	12.5	100.0	NO
54	57	13C3-PFHxS	401.9 > 79.9	3.51e3	3.51e3	1.000	3.96	3.92	12.5	12.5	100.0	NO
55	58	13C8-PFOA	421.3 > 376	1.23e4	1.23e4	1.000	4.33	4.29	12.5	12.5	100.0	NO
56	59	13C9-PFNA	472.2 > 426.9	1.27e4	1.27e4	1.000	4.70	4.73	12.5	12.5	100.0	NO
57	60	13C4-PFOS	503 > 79.9	3.53e3	3.53e3	1.000	4.84	4.81	12.5	12.5	100.0	NO
58	61	13C6-PFDA	519.1 > 473.7	1.24e4	1.24e4	1.000	5.14	5.10	12.5	12.5	100.0	NO
59	62	13C7-PFUdA	570.1 > 524.8	1.42e4	1.42e4	1.000	5.46	5.42	12.5	12.5	100.0	NO

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Dataset: Untitled

Last Altered: Monday, February 26, 2018 10:44:51 Pacific Standard Time
Printed: Monday, February 26, 2018 10:45:23 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 26 Feb 2018 09:30:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180224M1_3	ST180224M1-1 PFC CS0 18B2314	24-Feb-18	12:44:48
2	180224M1_4	IPA	24-Feb-18	12:56:18
3	180224M1_5	1800306-01 REEPDW164FRB 0.12054	24-Feb-18	13:07:48
4	180224M1_6	1800306-02 REEPDW165FRB 0.11619	24-Feb-18	13:19:12
5	180224M1_7	1800306-03 REEPDW166FRB 0.11151	24-Feb-18	13:30:38
6	180224M1_8	1800306-04 REEPDW167FRB 0.1185	24-Feb-18	13:42:05
7	180224M1_9	1800306-05 REEPDW168FRB 0.11959	24-Feb-18	13:53:35
8	180224M1_10	1800306-06 REEPDW169FRB 0.11933	24-Feb-18	14:08:23
9	180224M1_11	1800306-07 REEPDW170FRB 0.11818	24-Feb-18	14:19:45
10	180224M1_12	1800306-08 REEPDW171FRB 0.12105	24-Feb-18	14:31:12
11	180224M1_13	1800306-09 REEPDW172FRB 0.12044	24-Feb-18	14:42:39
12	180224M1_14	1800306-10 REEPDW173FRB 0.11418	24-Feb-18	14:54:06
13	180224M1_15	B8B0132-BS1 OPR 0.125	24-Feb-18	15:05:36
14	180224M1_16	B8B0132-BLK1 Method Blank 0.125	24-Feb-18	15:17:06
15	180224M1_17	B8B0132-MS1 Matrix Spike 0.11558	24-Feb-18	15:28:33
16	180224M1_18	B8B0132-MSD1 Matrix Spike Dup 0.12417	24-Feb-18	15:40:03
17	180224M1_19	1800342-01 WI-AF-29-MW-4-0218 0.12269	24-Feb-18	15:51:30
18	180224M1_20	1800342-02 WI-AF-29-MW-4P-0218 0.11686	24-Feb-18	16:02:56
19	180224M1_21	1800342-03 WI-AF-FB01-021318 0.12659	24-Feb-18	16:14:23
20	180224M1_22	1800342-04 WI-AF-EB01-021318 0.12366	24-Feb-18	16:25:50
21	180224M1_23	1800342-05 WI-AF-EB03-021318 0.12695	24-Feb-18	16:37:20
22	180224M1_24	IPA	24-Feb-18	16:48:47
23	180224M1_25	ST180224M1-2 PFC CS3 18B2317	24-Feb-18	17:00:17
24	180224M1_26	IPA	24-Feb-18	17:11:46
25	180224M1_27	1800342-06 WI-AF-EB04-021318 0.12464	24-Feb-18	17:23:18
26	180224M1_28	1800342-07 WI-AF-MW-N2-9-0218 0.11882	24-Feb-18	17:34:42
27	180224M1_29	1800342-08 WI-AF-MW-N2-9P-0218 0.11893	24-Feb-18	17:46:09
28	180224M1_30	1800342-09 WI-AF-FB01-021518 0.11547	24-Feb-18	17:57:36
29	180224M1_31	1800342-10 WI-AF-MW-N2-7S-0218 0.124	24-Feb-18	18:09:03
30	180224M1_32	1800342-11 WI-AF-MW-N2-3-0218 0.11817	24-Feb-18	18:20:32
31	180224M1_33	1800342-12 WI-AF-EB01-021618 0.11885	24-Feb-18	18:31:59

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Dataset: Untitled

Last Altered: Monday, February 26, 2018 10:44:51 Pacific Standard Time
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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180224M1_34	1800342-13 WI-AF-MW-N2-8-0218 0.12041	24-Feb-18	18:43:26
33	180224M1_35	1800342-14 WI-AF-MW-201-0218 0.11911	24-Feb-18	18:54:56
34	180224M1_36	1800342-15 WI-AF-FB01-021718 0.11145	24-Feb-18	19:06:22
35	180224M1_37	1800342-16 WI-AF-4-MW-3-0218 0.11068	24-Feb-18	19:17:49
36	180224M1_38	1800342-17 WI-AF-EB01-021718 0.12581	24-Feb-18	19:29:18
37	180224M1_39	1800342-18 WI-AF-N2-6C-0218 0.11624	24-Feb-18	19:40:47
38	180224M1_40	1800342-19 WI-AF-FB01-021818 0.11386	24-Feb-18	19:52:16
39	180224M1_41	B8B0115-BS1 OPR 0.125	24-Feb-18	20:03:46
40	180224M1_42	B8B0115-BLK1 Method Blank 0.125	24-Feb-18	20:15:13
41	180224M1_43	B8B0115-MS1 Matrix Spike 0.1206	24-Feb-18	20:26:43
42	180224M1_44	B8B0115-MSD1 Matrix Spike Dup 0.12027	24-Feb-18	20:38:12
43	180224M1_45	1800312-01 REEPDW174 0.12357	24-Feb-18	20:49:40
44	180224M1_46	1800312-02 REEPDW175 0.12536	24-Feb-18	21:01:07
45	180224M1_47	IPA	24-Feb-18	21:12:37
46	180224M1_48	ST180224M1-3 PFC CS3 18B2317	24-Feb-18	21:24:04
47	180224M1_49	IPA	24-Feb-18	21:35:34
48	180224M1_50	1800312-03 REEPDW176 0.12182	24-Feb-18	21:47:04
49	180224M1_51	1800312-04 REEPDW177 0.11976	24-Feb-18	21:58:28
50	180224M1_52	1800312-05 REEPDW179 0.12055	24-Feb-18	22:09:55
51	180224M1_53	1800312-06 REEPDW178 0.12456	24-Feb-18	22:21:22
52	180224M1_54	1800312-07 REEPDW180 0.11918	24-Feb-18	22:32:52
53	180224M1_55	1800312-08 REEPDW517 0.12276	24-Feb-18	22:44:21
54	180224M1_56	1800313-01 REEPDW174FRB 0.12579	24-Feb-18	22:55:48
55	180224M1_57	1800313-02 REEPDW175FRB 0.12099	24-Feb-18	23:07:15
56	180224M1_58	1800313-03 REEPDW176FRB 0.12295	24-Feb-18	23:18:42
57	180224M1_59	1800313-04 REEPDW177FRB 0.12439	24-Feb-18	23:30:09
58	180224M1_60	1800313-05 REEPDW179FRB 0.12378	24-Feb-18	23:41:35
59	180224M1_61	1800313-06 REEPDW178FRB 0.12129	24-Feb-18	23:53:05
60	180224M1_62	1800313-07 REEPDW180FRB 0.12115	25-Feb-18	00:04:36
61	180224M1_63	1800318-01 REEPDW181 0.12681	25-Feb-18	00:16:03
62	180224M1_64	1800318-02 REEPDW182 0.11511	25-Feb-18	00:27:32
63	180224M1_65	IPA	25-Feb-18	00:39:02
64	180224M1_66	ST180224M1-4 PFC CS0 18B2314	25-Feb-18	00:50:29
65	180224M1_67	IPA	25-Feb-18	01:01:59

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Dataset: Untitled

Last Altered: Monday, February 26, 2018 10:44:51 Pacific Standard Time
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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	180224M1_68	1800318-03 REEPDW183 0.1239	25-Feb-18	01:13:29
67	180224M1_69	1800318-04 REEPDW184 0.11402	25-Feb-18	01:24:58
68	180224M1_70	1800318-05 REEPDW185 0.12148	25-Feb-18	01:36:24
69	180224M1_71	B8B0096-BS1 OPR 0.125	25-Feb-18	01:47:55
70	180224M1_72	B8B0096-BLK1 Method Blank 0.125	25-Feb-18	01:59:24
71	180224M1_73	B8B0096-MS1 Matrix Spike 0.11568	25-Feb-18	02:10:53
72	180224M1_74	B8B0096-MSD1 Matrix Spike Dup 0.1188	25-Feb-18	02:22:22
73	180224M1_75	1800298-01 REEPDW155 0.11708	25-Feb-18	02:33:49
74	180224M1_76	1800298-02 REEPDW156 0.11596	25-Feb-18	02:45:16
75	180224M1_77	1800298-03 REEPDW157 0.12015	25-Feb-18	02:56:46
76	180224M1_78	1800298-04 REEPDW158 0.1178	25-Feb-18	03:08:15
77	180224M1_79	1800298-05 REEPDW159 0.11737	25-Feb-18	03:19:44
78	180224M1_80	1800299-01 REEPDW155FRB 0.11474	25-Feb-18	03:31:04
79	180224M1_81	1800299-02 REEPDW156FRB 0.1178	25-Feb-18	03:42:32
80	180224M1_82	1800299-03 REEPDW157FRB 0.11643	25-Feb-18	03:54:01
81	180224M1_83	1800299-04 REEPDW158FRB 0.11892	25-Feb-18	04:05:31
82	180224M1_84	1800299-05 REEPDW159FRB 0.11693	25-Feb-18	04:17:00
83	180224M1_85	1800301-01 REEPDW160 0.11595	25-Feb-18	04:28:26
84	180224M1_86	1800301-02 REEPDW515 0.11695	25-Feb-18	04:39:56
85	180224M1_87	IPA	25-Feb-18	04:51:25
86	180224M1_88	ST180224M1-5 PFC CS3 18B2317	25-Feb-18	05:02:52
87	180224M1_89	IPA	25-Feb-18	05:14:21
88	180224M1_90	1800301-03 REEPDW161 0.11505	25-Feb-18	05:25:51
89	180224M1_91	1800301-04 REEPDW162 0.11664	25-Feb-18	05:37:21
90	180224M1_92	1800301-05 REEPDW163 0.11483	25-Feb-18	05:48:48
91	180224M1_93	1800302-01 REEPDW160FRB 0.11761	25-Feb-18	06:00:15
92	180224M1_94	1800302-02 REEPDW161FRB 0.1172	25-Feb-18	06:11:42
93	180224M1_95	1800302-03 REEPDW162FRB 0.11535	25-Feb-18	06:23:09
94	180224M1_96	1800302-04 REEPDW163FRB 0.11575	25-Feb-18	06:34:35
95	180224M1_97	B8B0111-BS1 OPR 0.125	25-Feb-18	06:46:02
96	180224M1_98	B8B0111-BLK1 Method Blank 0.125	25-Feb-18	06:57:33
97	180224M1_99	B8B0111-MS1 Matrix Spike 0.11922	25-Feb-18	07:09:00
98	180224M1_100	B8B0111-MSD1 Matrix Spike Dup 0.1198	25-Feb-18	07:20:29
99	180224M1_101	1800308-01 OF-RW55-0218 0.11519	25-Feb-18	07:31:56

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Dataset: Untitled

Last Altered: Monday, February 26, 2018 10:44:51 Pacific Standard Time
Printed: Monday, February 26, 2018 10:45:23 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq Date	Acq Time
100	180224M1_102	1800308-02 OF-RW55P-0218 0.11586	25-Feb-18	07:43:23
101	180224M1_103	1800308-03 OF-FB55-0218 0.11289	25-Feb-18	07:54:50
102	180224M1_104	1800308-04 OF-RW56-0218 0.11816	25-Feb-18	08:06:17
103	180224M1_105	1800308-05 OF-FB56-0218 0.11044	25-Feb-18	08:17:47
104	180224M1_106	1800308-06 OF-RW53-0218 0.11594	25-Feb-18	08:29:15
105	180224M1_107	1800308-07 OF-FB53-0218 0.11932	25-Feb-18	08:40:42
106	180224M1_108	1800308-08 OF-RW68-0218 0.11919	25-Feb-18	08:52:09
107	180224M1_109	1800308-09 OF-FB68-0218 0.11842	25-Feb-18	09:03:36
108	180224M1_110	1800308-10 OF-RW54-0218 0.07054	25-Feb-18	09:15:05
109	180224M1_111	1800308-11 OF-FB54-0218 0.11801	25-Feb-18	09:26:31
110	180224M1_112	1800308-12 OF-RW69-0218 0.11701	25-Feb-18	09:38:01
111	180224M1_113	1800308-13 OF-FB69-0218 0.1193	25-Feb-18	09:49:31
112	180224M1_114	IPA	25-Feb-18	10:00:58
113	180224M1_115	ST180224M1-6 PFC CS3 18B2317	25-Feb-18	10:12:28
114	180224M1_116	IPA	25-Feb-18	10:23:57
115	180224M1_117	1800308-14 OF-RW30-0218 0.11538	25-Feb-18	10:35:23
116	180224M1_118	1800308-15 OF-FB30-0218 0.12036	25-Feb-18	10:46:50
117	180224M1_119	1800308-16 OF-RW24-0218 0.11552	25-Feb-18	10:58:17
118	180224M1_120	1800308-17 OF-FB24-0218 0.11631	25-Feb-18	11:09:44
119	180224M1_121	1800308-18 OF-RW46-0218 0.11424	25-Feb-18	11:21:14
120	180224M1_122	1800308-19 OF-FB46-0218 0.11839	25-Feb-18	11:32:44
121	180224M1_123	IPA	25-Feb-18	11:44:14
122	180224M1_124	ST180224M1-7 PFC CS3 18B2317	25-Feb-18	11:55:44
123	180224M1_125	IPA	25-Feb-18	12:07:13

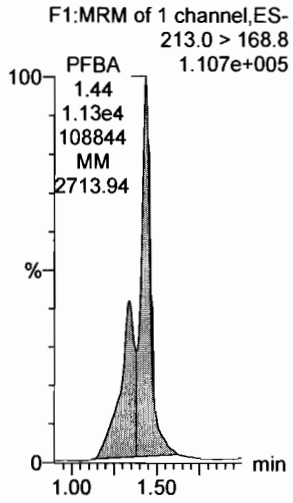
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-115.qld

Last Altered: Monday, February 26, 2018 10:19:31 Pacific Standard Time
Printed: Monday, February 26, 2018 10:19:48 Pacific Standard Time

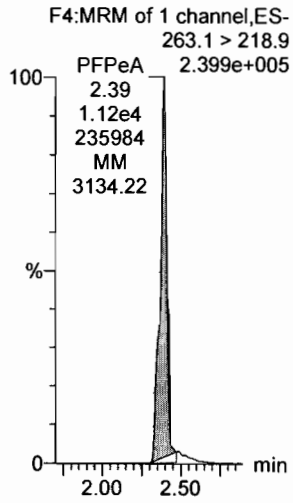
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 26 Feb 2018 09:30:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_115, Date: 25-Feb-2018, Time: 10:12:28, ID: ST180224M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

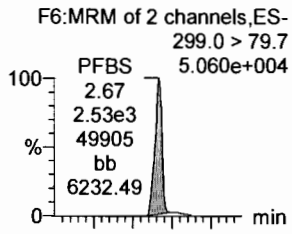
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
1.107e+005
PFBA
1.44
1.13e4
108844
MM
2713.94



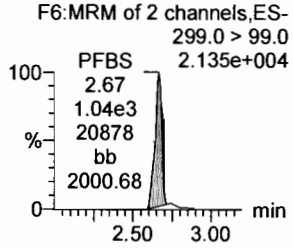
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
2.399e+005
PFPeA
2.39
1.12e4
235984
MM
3134.22



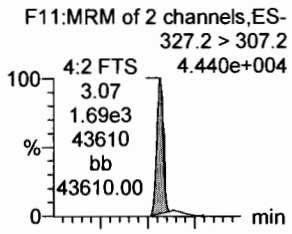
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
5.060e+004
PFBS
2.67
2.53e3
49905
bb
6232.49



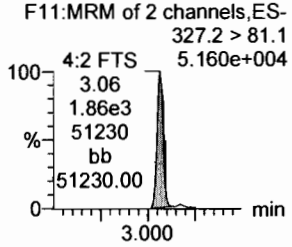
F6:MRM of 2 channels,ES-
299.0 > 99.0
2.135e+004
PFBS
2.67
1.04e3
20878
bb
2000.68



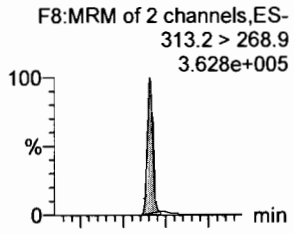
4:2 FTS
F11:MRM of 2 channels,ES-
327.2 > 307.2
4.440e+004
4:2 FTS
3.07
1.69e3
43610
bb
43610.00



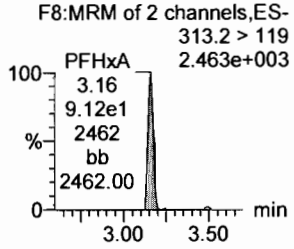
F11:MRM of 2 channels,ES-
327.2 > 81.1
5.160e+004
4:2 FTS
3.06
1.86e3
51230
bb
51230.00



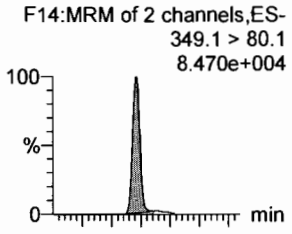
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
3.628e+005



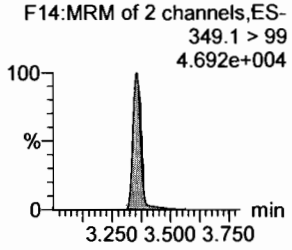
F8:MRM of 2 channels,ES-
313.2 > 119
2.463e+003
PFHxA
3.16
9.12e1
2462
bb
2462.00



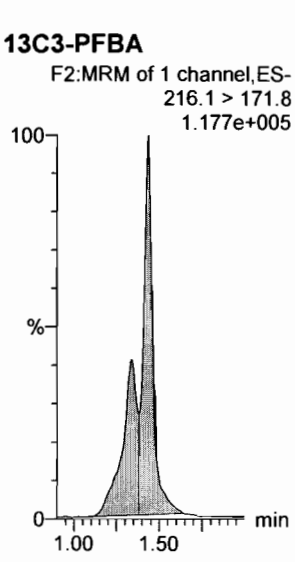
PFPeS
F14:MRM of 2 channels,ES-
349.1 > 80.1
8.470e+004



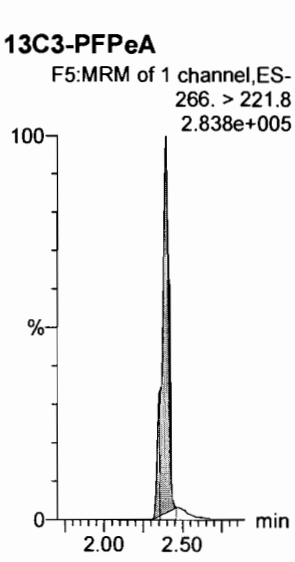
F14:MRM of 2 channels,ES-
349.1 > 99
4.692e+004



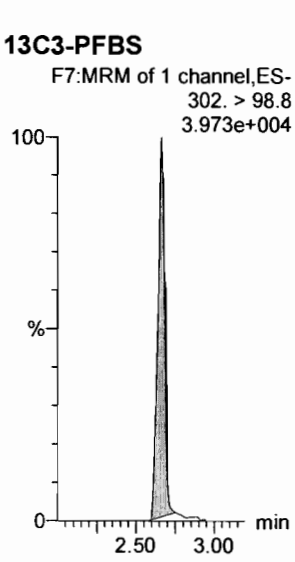
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
1.177e+005



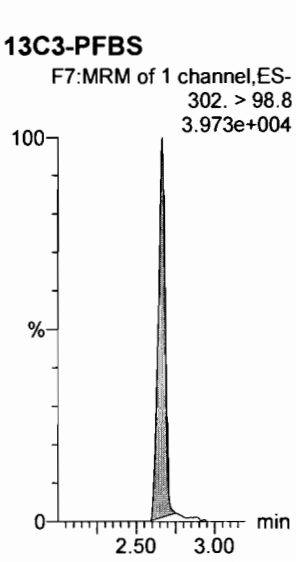
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.838e+005



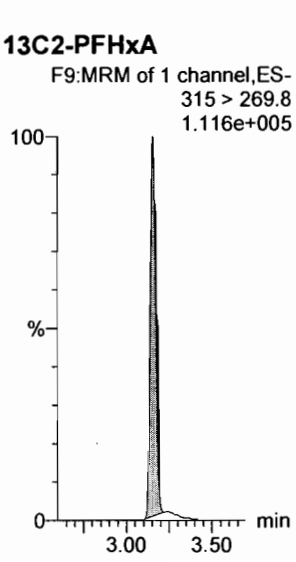
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.973e+004



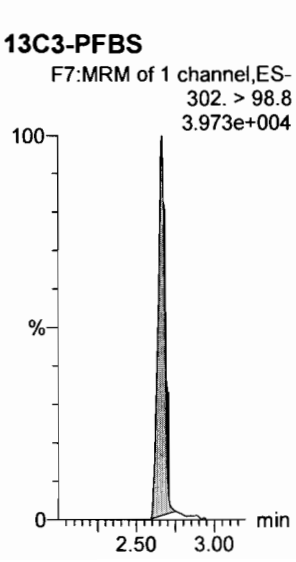
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.973e+004



13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
1.116e+005



13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.973e+004

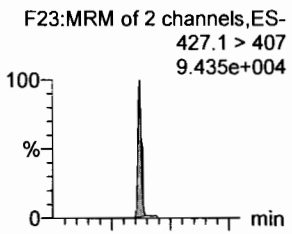


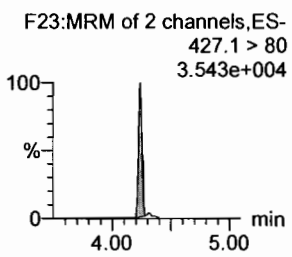
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-115.qld

Last Altered: Monday, February 26, 2018 10:19:31 Pacific Standard Time
Printed: Monday, February 26, 2018 10:19:48 Pacific Standard Time

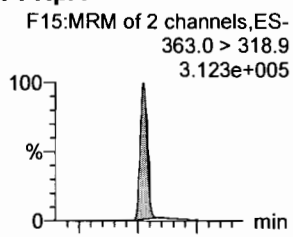
Name: 180224M1_115, Date: 25-Feb-2018, Time: 10:12:28, ID: ST180224M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

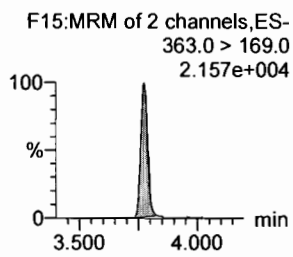
6:2 FTS





PFHpA





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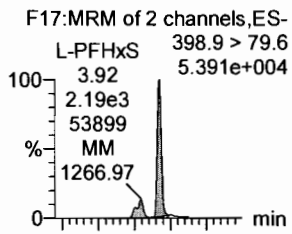
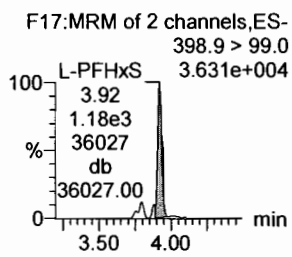
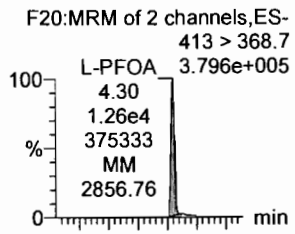
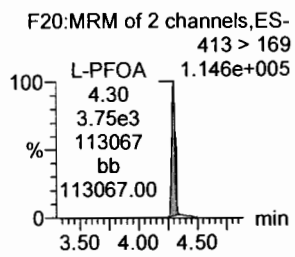




L-PFOA





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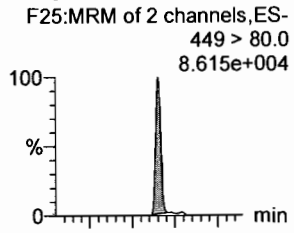

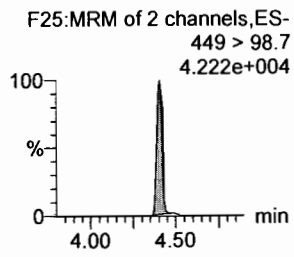

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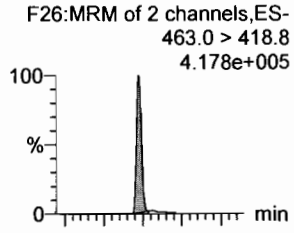

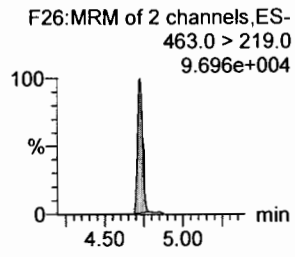

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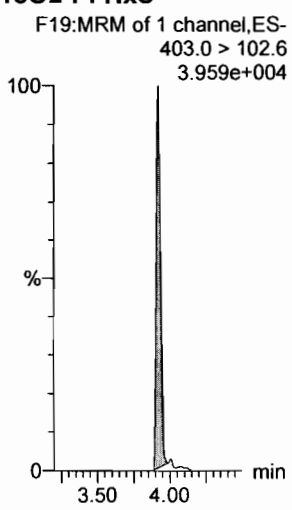
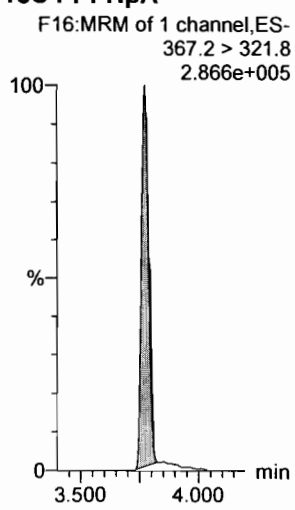
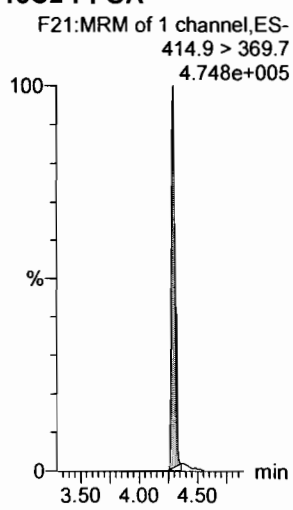


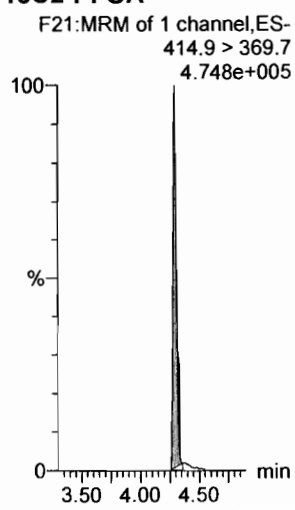
13C4-PFHpA



13C2-PFOA



13C2-PFOA



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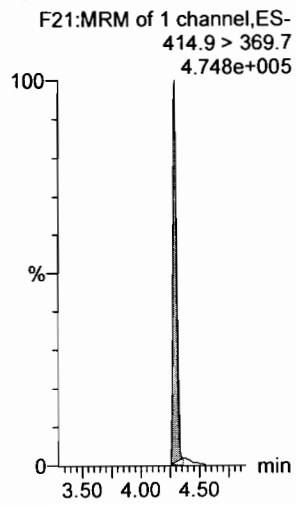
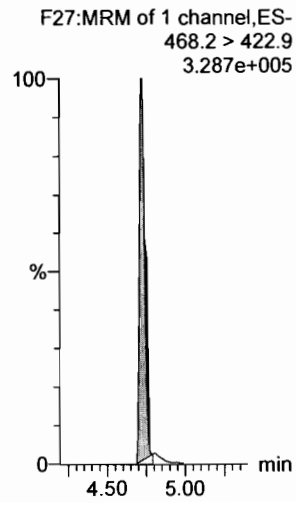


13C5-PFNA



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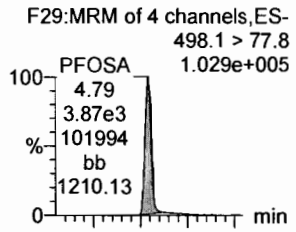
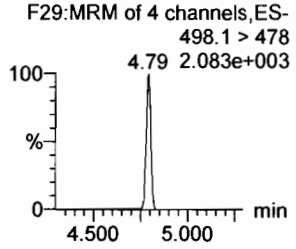
Last Altered: Monday, February 26, 2018 10:19:31 Pacific Standard Time
Printed: Monday, February 26, 2018 10:19:48 Pacific Standard Time

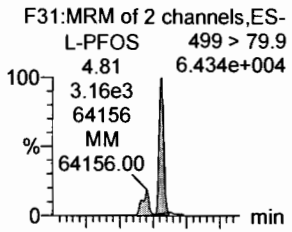
Name: 180224M1_115, Date: 25-Feb-2018, Time: 10:12:28, ID: ST180224M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

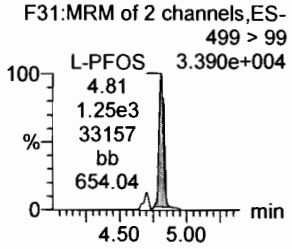
PFOSA



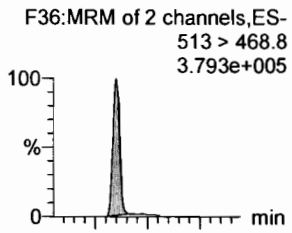


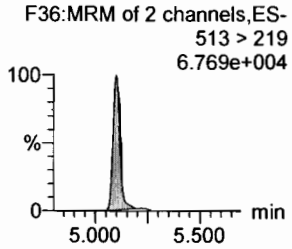
L-PFOS



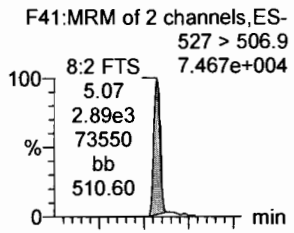


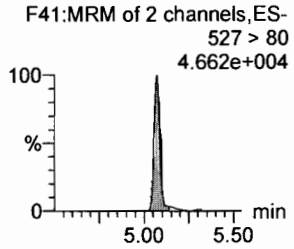
PFDA



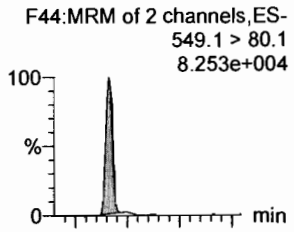


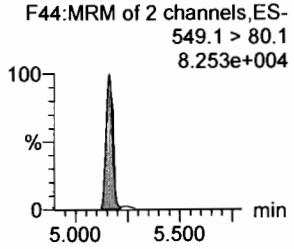
8:2 FTS



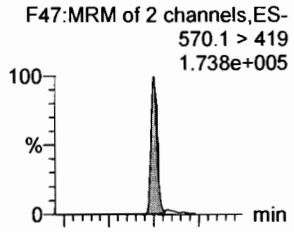


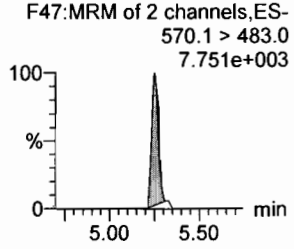
PFNS





N-MeFOSAA





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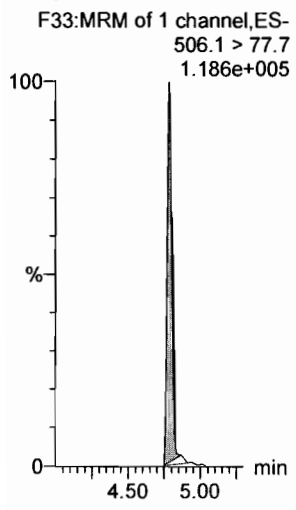
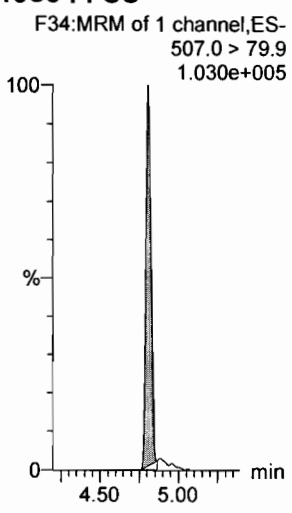


13C8-PFOS



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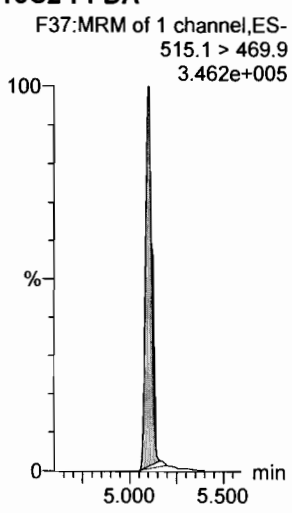

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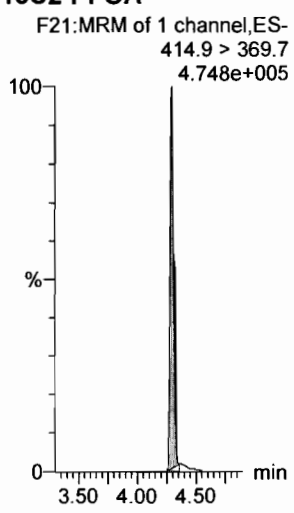

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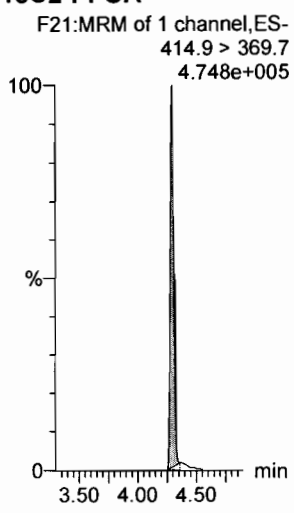
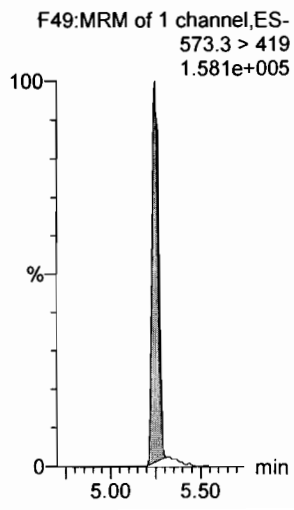


d3-N-MeFOSAA

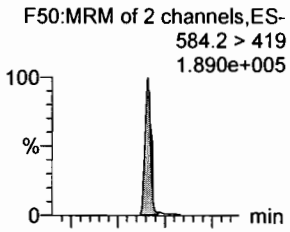


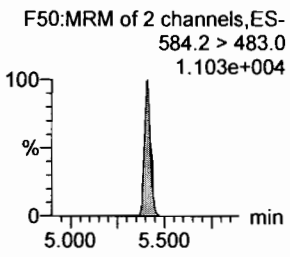
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-115.qld

Last Altered: Monday, February 26, 2018 10:19:31 Pacific Standard Time
Printed: Monday, February 26, 2018 10:19:48 Pacific Standard Time

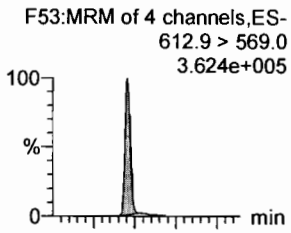
Name: 180224M1_115, Date: 25-Feb-2018, Time: 10:12:28, ID: ST180224M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

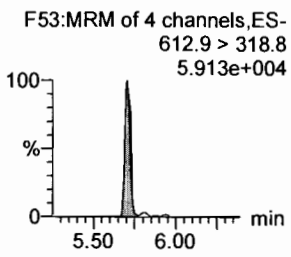
N-EtFOSAA



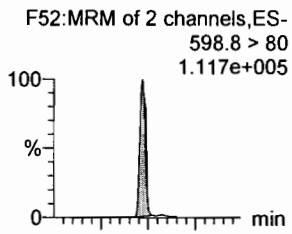


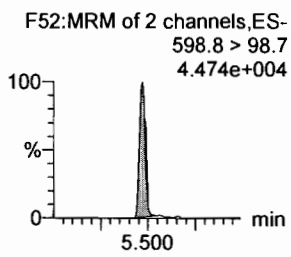
PFDoA



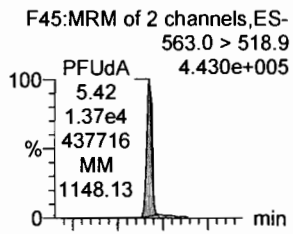


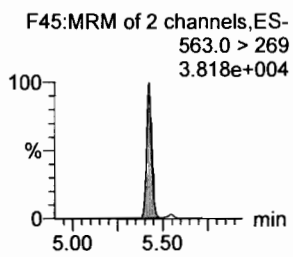
PFDS



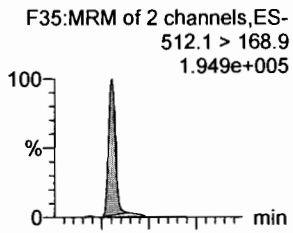


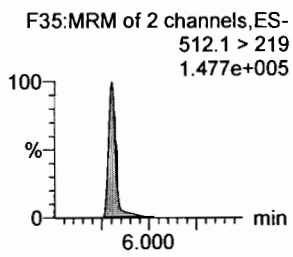
PFUdA



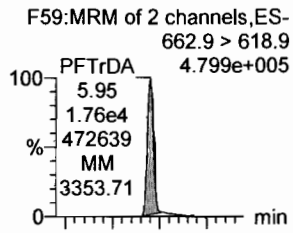


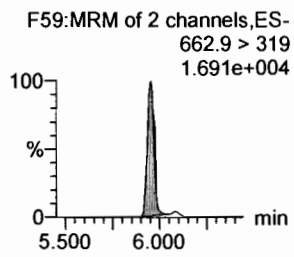
N-MeFOSA



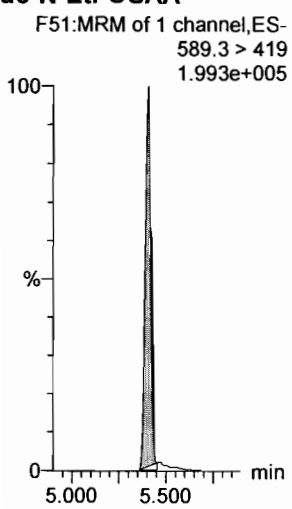


PFTrDA

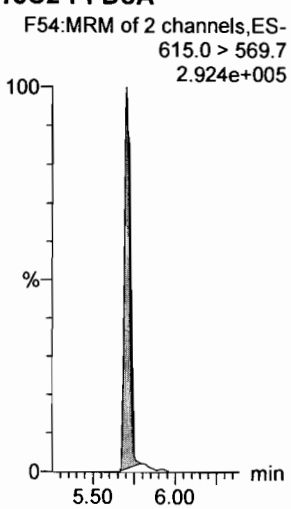




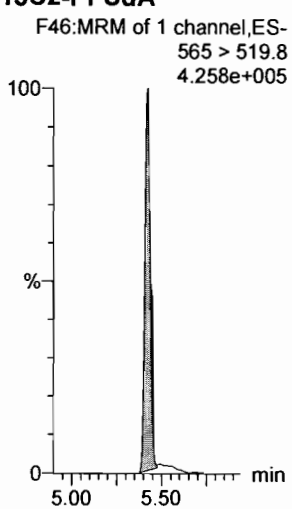
d5-N-EtFOSAA



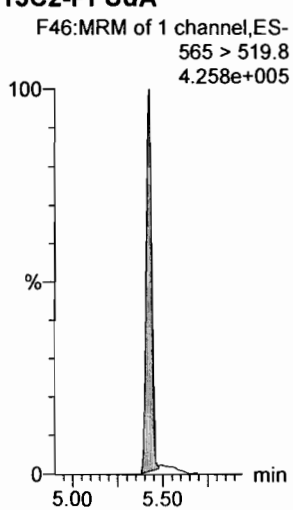
13C2-PFDoA



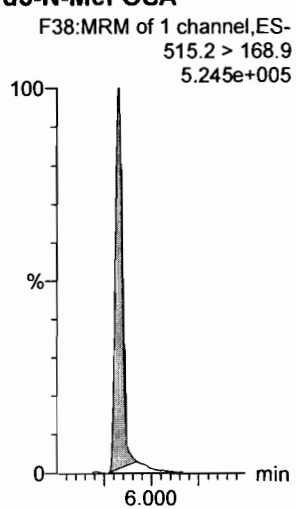
13C2-PFUdA



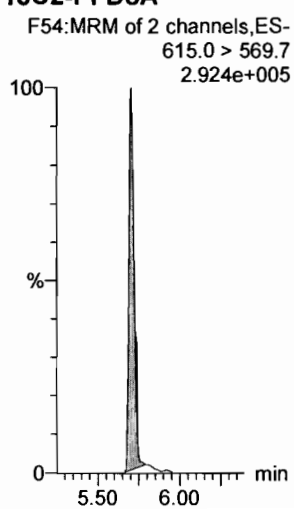
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

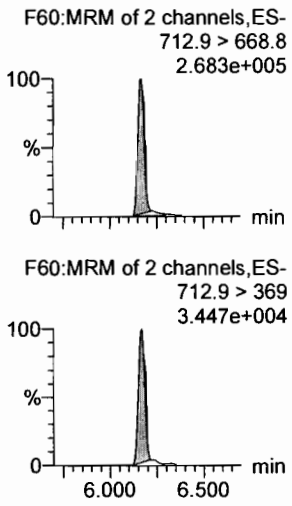


Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-115.qld

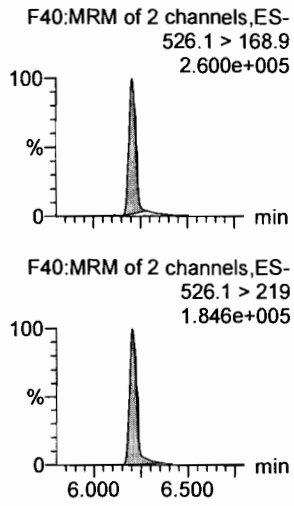
Last Altered: Monday, February 26, 2018 10:19:31 Pacific Standard Time
Printed: Monday, February 26, 2018 10:19:48 Pacific Standard Time

Name: 180224M1_115, Date: 25-Feb-2018, Time: 10:12:28, ID: ST180224M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

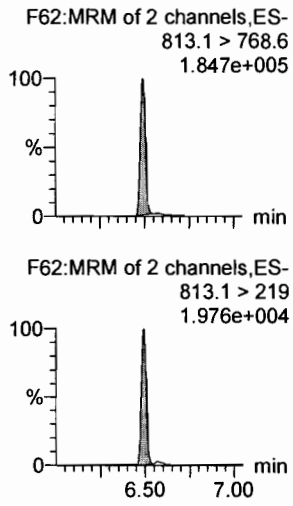
PFTeDA



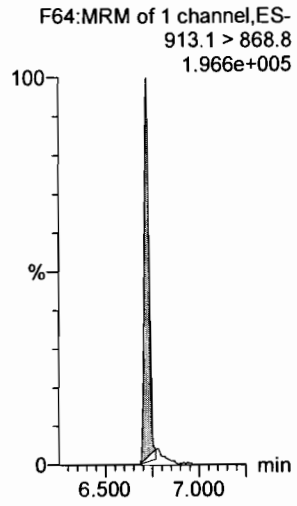
N-EtFOSA



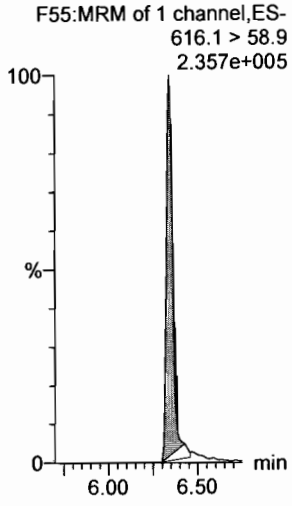
PFHxDA



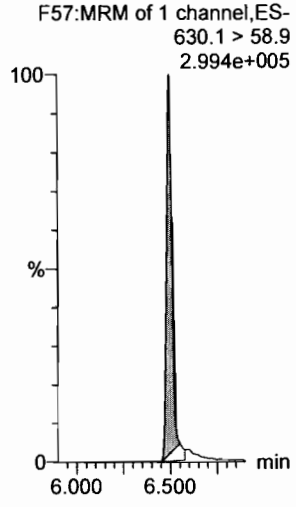
PFODA



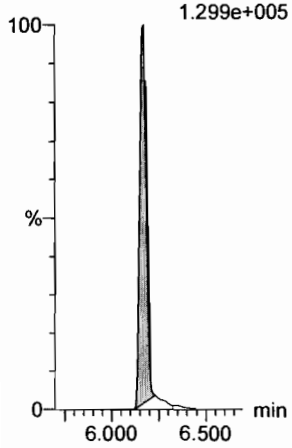
N-MeFOSE



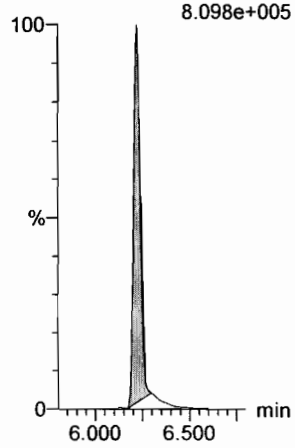
N-EtFOSE



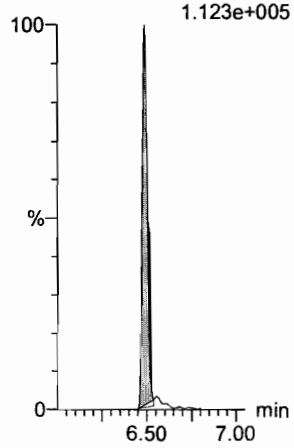
13C2-PFTeDA



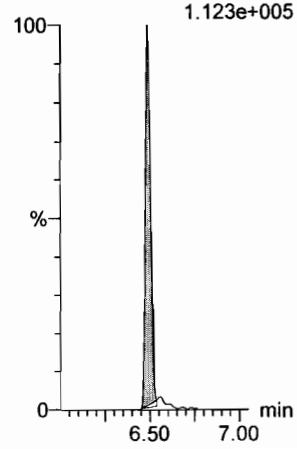
d5-N-ETFOSA



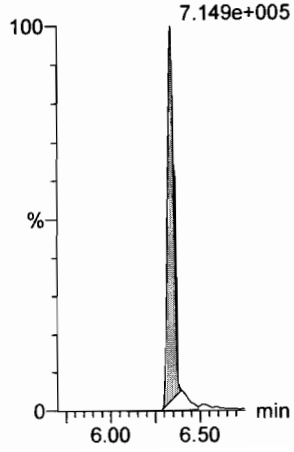
13C2-PFHxDA



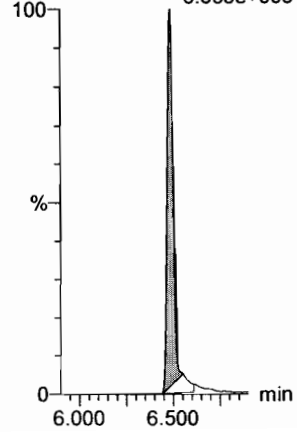
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

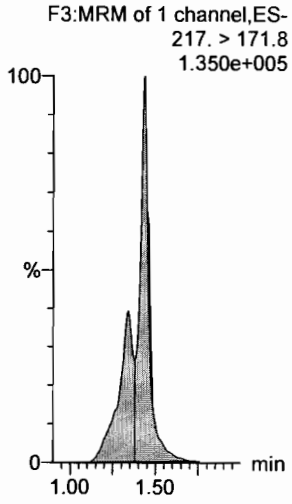


Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-115.qld

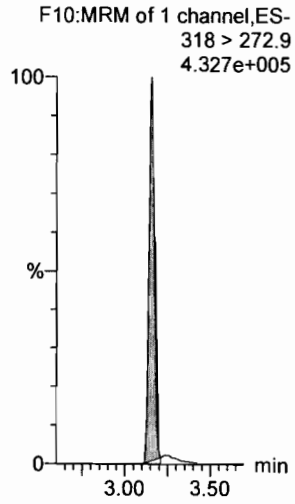
Last Altered: Monday, February 26, 2018 10:19:31 Pacific Standard Time
Printed: Monday, February 26, 2018 10:19:48 Pacific Standard Time

Name: 180224M1_115, Date: 25-Feb-2018, Time: 10:12:28, ID: ST180224M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

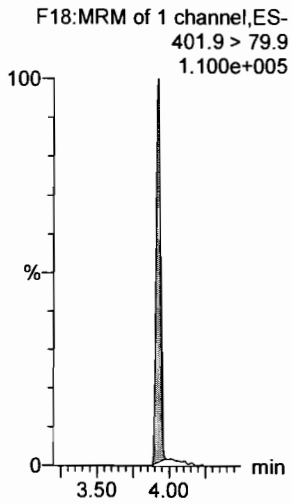
13C4-PFBA



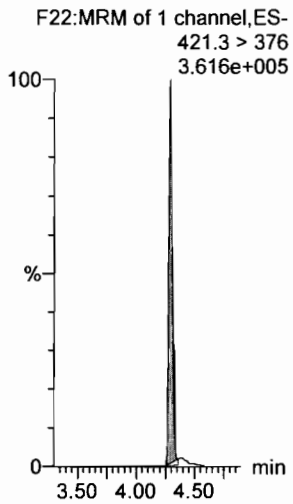
13C5-PFHxA



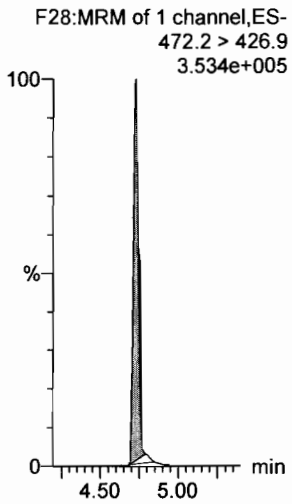
13C3-PFHxS



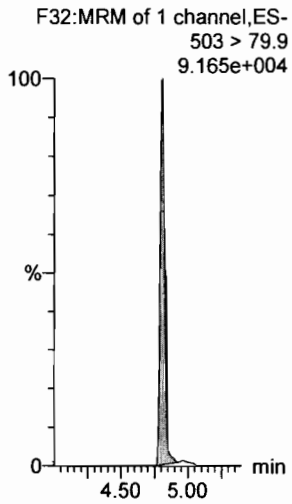
13C8-PFOA



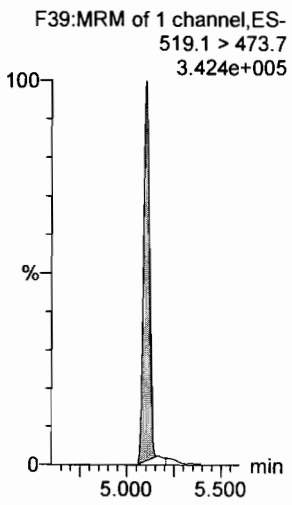
13C9-PFNA



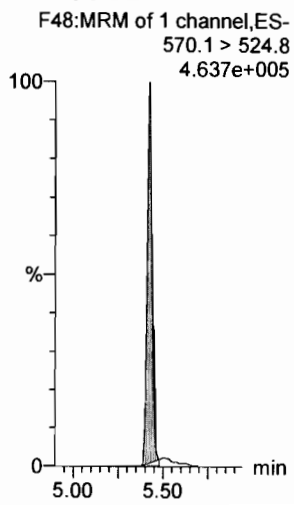
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-124.qld

Last Altered: Monday, February 26, 2018 10:35:08 Pacific Standard Time
Printed: Monday, February 26, 2018 10:41:36 Pacific Standard Time

✓JA 02/26/2018

(A) Above limit criteria

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 26 Feb 2018 09:30:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_124, Date: 25-Feb-2018, Time: 11:55:44, ID: ST180224M1-7 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1	PFBA	213.0 > 168.8	1.15e4	1.21e4		1.46	1.43	12.0	10.3	103.1	NO
2	2	PFPeA	263.1 > 218.9	1.14e4	1.35e4		2.42	2.39	10.6	10.5	105.1	NO
3	3	PFBS	299.0 > 79.7	2.65e3	1.83e3		2.60	2.66	18.1	9.74	97.4	NO
4	4	4:2 FTS	327.2>307.2	2.31e3	1.83e3		3.00	3.06	15.8	10.8	108.4	NO
5	5	PFHxA	313.2 > 268.9	1.37e4	4.07e3		3.19	3.16	16.9	11.2	111.8	NO
6	6	PFPeS	349.1>80.1	2.71e3	1.83e3		3.39	3.35	18.5	9.87	98.7	NO
7	7	PFHpA	363.0 > 318.9	1.16e4	1.02e4		3.81	3.77	14.3	10.9	109.0	NO
8	8	L-PFHxS	398.9 > 79.6	2.29e3	1.37e3		4.17	3.92	20.9	11.3	113.2	NO
9	10	6:2 FTS	427.1 > 407	2.87e3	1.47e4		4.28	4.23	2.44	10.7	107.2	NO
10	11	L-PFOA	413 > 368.7	1.26e4	1.47e4		4.40	4.29	10.7	10.7	107.3	NO
11	13	PFHpS	449 > 80.0	3.23e3	1.47e4		4.44	4.40	2.74	12.7	127.0	NO
12	14	PFNA	463.0 > 418.8	1.35e4	1.34e4		4.76	4.72	12.7	10.1	100.6	NO
13	15	PFOSA	498.1 > 77.8	3.83e3	4.24e3		4.83	4.78	11.3	11.1	110.8	NO
14	16	L-PFOS	499 > 79.9	3.60e3	4.06e3		4.95	4.80	11.1	10.2	101.9	NO
15	18	PFDA	513 > 468.8	1.56e4	1.39e4		5.14	5.10	14.0	10.7	107.1	NO
16	19	8:2 FTS	527 > 506.9	2.62e3	1.47e4		5.12	5.07	2.23	8.24	82.4	NO
17	20	PFNS	549.1>80.1	2.87e3	4.06e3		5.08	5.16	8.85	9.57	95.7	NO
18	21	N-MeFOSAA	570.1 > 419	7.51e3	6.55e3		5.29	5.25	14.3	9.89	98.9	NO
19	22	N-EtFOSAA	584.2 > 419	6.21e3	5.63e3		5.45	5.41	13.8	13.4	134.0	YES (A)
20	23	PFUdA	563.0 > 518.9	1.56e4	1.55e4		5.46	5.42	12.6	12.7	126.5	NO
21	24	PFDS	598.8 > 80	3.57e3	1.55e4		5.51	5.46	2.87	12.5	124.9	NO
22	25	PFDoA	612.9 > 569.0	1.57e4	1.08e4		5.74	5.70	18.1	14.8	147.7	YES (A)
23	26	N-MeFOSA	512.1 > 168.9	7.97e3	2.06e4		5.84	5.80	58.1	58.9	117.9	NO
24	27	PFTrDA	662.9 > 618.9	1.48e4	1.08e4		5.98	5.95	17.1	13.0	129.8	NO
25	28	PFTeDA	712.9 > 668.8	1.04e4	4.88e3		6.20	6.16	26.7	13.9	138.8	YES (A)
26	29	N-EtFOSA	526.1 > 168.9	1.05e4	3.10e4		6.22	6.21	50.7	53.3	106.5	NO
27	30	PFHxDA	813.1 > 768.6	5.27e3	3.77e3		6.51	6.49	6.99	14.1	141.3	YES (A)
28	31	PFODA	913.1 > 868.8	6.22e3	3.77e3		6.74	6.72	8.24	13.2	132.3	YES (A)
29	32	N-MeFOSE	616.1 > 58.9	9.47e3	2.66e4		6.31	6.35	53.4	48.4	96.8	NO
30	33	N-EtFOSE	630.1 > 58.9	1.04e4	2.43e4		6.45	6.50	64.1	51.8	103.7	NO
31	34	13C3-PFBA	216.1 > 171.8	1.21e4	1.38e4	0.892	1.46	1.43	10.9	12.3	98.1	NO

DM 2/26/18

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Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-124.qld

Last Altered: Monday, February 26, 2018 10:35:08 Pacific Standard Time
Printed: Monday, February 26, 2018 10:41:36 Pacific Standard Time

Name: 180224M1_124, Date: 25-Feb-2018, Time: 11:55:44, ID: ST180224M1-7 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35	13C3-PFPeA	266. > 221.8	1.35e4	1.52e4	0.919	2.42	2.39	11.1	12.0	96.3	NO
33	36	13C3-PFBS	302. > 98.8	1.83e3	1.52e4	0.116	2.69	2.66	1.50	12.9	103.3	NO
34	37	13C2-PFHxA	315 > 269.8	4.07e3	1.52e4	0.732	3.19	3.15	3.34	4.56	91.2	NO
35	38	13C4-PFHpA	367.2 > 321.8	1.02e4	1.52e4	0.717	3.81	3.77	8.33	11.6	92.9	NO
36	39	18O2-PFHxS	403.0 > 102.6	1.37e3	3.90e3	0.368	3.96	3.92	4.41	12.0	95.8	NO
37	40	13C2-PFOA	414.9 > 369.7	1.47e4	1.34e4	1.311	4.33	4.29	13.7	10.4	83.5	NO
38	41	13C5-PFNA	468.2 > 422.9	1.34e4	1.63e4	0.974	4.76	4.72	10.3	10.5	84.3	NO
39	42	13C8-PFOSA	506.1 > 77.7	4.24e3	1.39e4	0.187	4.83	4.78	3.82	20.4	163.0	YES
40	43	13C8-PFOS	507.0 > 79.9	4.06e3	4.03e3	1.075	4.84	4.80	12.6	11.7	93.6	NO
41	44	13C2-PFDA	515.1 > 469.9	1.39e4	1.39e4	1.019	5.14	5.09	12.6	12.3	98.6	NO
42	45	d3-N-MeFOSAA	573.3 > 419	6.55e3	1.39e4	0.325	5.29	5.24	5.90	18.2	145.2	NO
43	46	d5-N-EtFOSAA	589.3 > 419	5.63e3	1.39e4	0.345	5.45	5.40	5.08	14.7	117.8	NO
44	47	13C2-PFUdA	565 > 519.8	1.55e4	1.39e4	1.071	5.46	5.42	14.0	13.1	104.7	NO
45	48	13C2-PFDoA	615.0 > 569.7	1.08e4	1.39e4	0.995	5.74	5.70	9.74	9.79	78.3	NO
46	49	d3-N-MeFOSA	515.2 > 168.9	2.06e4	1.39e4	0.090	5.84	5.82	18.6	207	137.8	NO
47	50	13C2-PFTeDA	714.8 > 669.6	4.88e3	1.39e4	0.551	6.20	6.16	4.40	7.98	63.9	NO
48	51	d5-N-ETFOSA	531.1 > 168.9	3.10e4	1.39e4	0.127	6.22	6.22	28.0	220	146.8	NO
49	52	13C2-PFHxDA	815 > 769.7	3.77e3	1.39e4	0.752	6.51	6.49	3.40	4.52	90.5	NO
50	53	d7-N-MeFOSE	623.1 > 58.9	2.66e4	1.39e4	0.098	6.31	6.34	24.0	244	162.9	YES
51	54	d9-N-EtFOSE	639.2 > 58.8	2.43e4	1.39e4	0.086	6.45	6.49	22.0	254	169.4	YES
52	55	13C4-PFBA	217. > 171.8	1.38e4	1.38e4	1.000	1.46	1.43	12.5	12.5	100.0	NO
53	56	13C5-PFHxA	318 > 272.9	1.52e4	1.52e4	1.000	3.19	3.15	12.5	12.5	100.0	NO
54	57	13C3-PFHxS	401.9 > 79.9	3.90e3	3.90e3	1.000	3.96	3.92	12.5	12.5	100.0	NO
55	58	13C8-PFOA	421.3 > 376	1.34e4	1.34e4	1.000	4.33	4.29	12.5	12.5	100.0	NO
56	59	13C9-PFNA	472.2 > 426.9	1.63e4	1.63e4	1.000	4.70	4.72	12.5	12.5	100.0	NO
57	60	13C4-PFOS	503 > 79.9	4.03e3	4.03e3	1.000	4.84	4.80	12.5	12.5	100.0	NO
58	61	13C6-PFDA	519.1 > 473.7	1.39e4	1.39e4	1.000	5.14	5.09	12.5	12.5	100.0	NO
59	62	13C7-PFUdA	570.1 > 524.8	1.39e4	1.39e4	1.000	5.46	5.42	12.5	12.5	100.0	NO

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 26 Feb 2018 09:30:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180224M1_3	ST180224M1-1 PFC CS0 18B2314	24-Feb-18	12:44:48
2	180224M1_4	IPA	24-Feb-18	12:56:18
3	180224M1_5	1800306-01 REEPDW164FRB 0.12054	24-Feb-18	13:07:48
4	180224M1_6	1800306-02 REEPDW165FRB 0.11619	24-Feb-18	13:19:12
5	180224M1_7	1800306-03 REEPDW166FRB 0.11151	24-Feb-18	13:30:38
6	180224M1_8	1800306-04 REEPDW167FRB 0.1185	24-Feb-18	13:42:05
7	180224M1_9	1800306-05 REEPDW168FRB 0.11959	24-Feb-18	13:53:35
8	180224M1_10	1800306-06 REEPDW169FRB 0.11933	24-Feb-18	14:08:23
9	180224M1_11	1800306-07 REEPDW170FRB 0.11818	24-Feb-18	14:19:45
10	180224M1_12	1800306-08 REEPDW171FRB 0.12105	24-Feb-18	14:31:12
11	180224M1_13	1800306-09 REEPDW172FRB 0.12044	24-Feb-18	14:42:39
12	180224M1_14	1800306-10 REEPDW173FRB 0.11418	24-Feb-18	14:54:06
13	180224M1_15	B8B0132-BS1 OPR 0.125	24-Feb-18	15:05:36
14	180224M1_16	B8B0132-BLK1 Method Blank 0.125	24-Feb-18	15:17:06
15	180224M1_17	B8B0132-MS1 Matrix Spike 0.11558	24-Feb-18	15:28:33
16	180224M1_18	B8B0132-MSD1 Matrix Spike Dup 0.12417	24-Feb-18	15:40:03
17	180224M1_19	1800342-01 WI-AF-29-MW-4-0218 0.12269	24-Feb-18	15:51:30
18	180224M1_20	1800342-02 WI-AF-29-MW-4P-0218 0.11686	24-Feb-18	16:02:56
19	180224M1_21	1800342-03 WI-AF-FB01-021318 0.12659	24-Feb-18	16:14:23
20	180224M1_22	1800342-04 WI-AF-EB01-021318 0.12366	24-Feb-18	16:25:50
21	180224M1_23	1800342-05 WI-AF-EB03-021318 0.12695	24-Feb-18	16:37:20
22	180224M1_24	IPA	24-Feb-18	16:48:47
23	180224M1_25	ST180224M1-2 PFC CS3 18B2317	24-Feb-18	17:00:17
24	180224M1_26	IPA	24-Feb-18	17:11:46
25	180224M1_27	1800342-06 WI-AF-EB04-021318 0.12464	24-Feb-18	17:23:18
26	180224M1_28	1800342-07 WI-AF-MW-N2-9-0218 0.11882	24-Feb-18	17:34:42
27	180224M1_29	1800342-08 WI-AF-MW-N2-9P-0218 0.11893	24-Feb-18	17:46:09
28	180224M1_30	1800342-09 WI-AF-FB01-021518 0.11547	24-Feb-18	17:57:36
29	180224M1_31	1800342-10 WI-AF-MW-N2-7S-0218 0.124	24-Feb-18	18:09:03
30	180224M1_32	1800342-11 WI-AF-MW-N2-3-0218 0.11817	24-Feb-18	18:20:32
31	180224M1_33	1800342-12 WI-AF-EB01-021618 0.11885	24-Feb-18	18:31:59

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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180224M1_34	1800342-13 WI-AF-MW-N2-8-0218 0.12041	24-Feb-18	18:43:26
33	180224M1_35	1800342-14 WI-AF-MW-201-0218 0.11911	24-Feb-18	18:54:56
34	180224M1_36	1800342-15 WI-AF-FB01-021718 0.11145	24-Feb-18	19:06:22
35	180224M1_37	1800342-16 WI-AF-4-MW-3-0218 0.11068	24-Feb-18	19:17:49
36	180224M1_38	1800342-17 WI-AF-EB01-021718 0.12581	24-Feb-18	19:29:18
37	180224M1_39	1800342-18 WI-AF-N2-6C-0218 0.11624	24-Feb-18	19:40:47
38	180224M1_40	1800342-19 WI-AF-FB01-021818 0.11386	24-Feb-18	19:52:16
39	180224M1_41	B8B0115-BS1 OPR 0.125	24-Feb-18	20:03:46
40	180224M1_42	B8B0115-BLK1 Method Blank 0.125	24-Feb-18	20:15:13
41	180224M1_43	B8B0115-MS1 Matrix Spike 0.1206	24-Feb-18	20:26:43
42	180224M1_44	B8B0115-MSD1 Matrix Spike Dup 0.12027	24-Feb-18	20:38:12
43	180224M1_45	1800312-01 REEPDW174 0.12357	24-Feb-18	20:49:40
44	180224M1_46	1800312-02 REEPDW175 0.12536	24-Feb-18	21:01:07
45	180224M1_47	IPA	24-Feb-18	21:12:37
46	180224M1_48	ST180224M1-3 PFC CS3 18B2317	24-Feb-18	21:24:04
47	180224M1_49	IPA	24-Feb-18	21:35:34
48	180224M1_50	1800312-03 REEPDW176 0.12182	24-Feb-18	21:47:04
49	180224M1_51	1800312-04 REEPDW177 0.11976	24-Feb-18	21:58:28
50	180224M1_52	1800312-05 REEPDW179 0.12055	24-Feb-18	22:09:55
51	180224M1_53	1800312-06 REEPDW178 0.12456	24-Feb-18	22:21:22
52	180224M1_54	1800312-07 REEPDW180 0.11918	24-Feb-18	22:32:52
53	180224M1_55	1800312-08 REEPDW517 0.12276	24-Feb-18	22:44:21
54	180224M1_56	1800313-01 REEPDW174FRB 0.12579	24-Feb-18	22:55:48
55	180224M1_57	1800313-02 REEPDW175FRB 0.12099	24-Feb-18	23:07:15
56	180224M1_58	1800313-03 REEPDW176FRB 0.12295	24-Feb-18	23:18:42
57	180224M1_59	1800313-04 REEPDW177FRB 0.12439	24-Feb-18	23:30:09
58	180224M1_60	1800313-05 REEPDW179FRB 0.12378	24-Feb-18	23:41:35
59	180224M1_61	1800313-06 REEPDW178FRB 0.12129	24-Feb-18	23:53:05
60	180224M1_62	1800313-07 REEPDW180FRB 0.12115	25-Feb-18	00:04:36
61	180224M1_63	1800318-01 REEPDW181 0.12681	25-Feb-18	00:16:03
62	180224M1_64	1800318-02 REEPDW182 0.11511	25-Feb-18	00:27:32
63	180224M1_65	IPA	25-Feb-18	00:39:02
64	180224M1_66	ST180224M1-4 PFC CS0 18B2314	25-Feb-18	00:50:29
65	180224M1_67	IPA	25-Feb-18	01:01:59

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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	180224M1_68	1800318-03 REEPDW183 0.1239	25-Feb-18	01:13:29
67	180224M1_69	1800318-04 REEPDW184 0.11402	25-Feb-18	01:24:58
68	180224M1_70	1800318-05 REEPDW185 0.12148	25-Feb-18	01:36:24
69	180224M1_71	B8B0096-BS1 OPR 0.125	25-Feb-18	01:47:55
70	180224M1_72	B8B0096-BLK1 Method Blank 0.125	25-Feb-18	01:59:24
71	180224M1_73	B8B0096-MS1 Matrix Spike 0.11568	25-Feb-18	02:10:53
72	180224M1_74	B8B0096-MSD1 Matrix Spike Dup 0.1188	25-Feb-18	02:22:22
73	180224M1_75	1800298-01 REEPDW155 0.11708	25-Feb-18	02:33:49
74	180224M1_76	1800298-02 REEPDW156 0.11596	25-Feb-18	02:45:16
75	180224M1_77	1800298-03 REEPDW157 0.12015	25-Feb-18	02:56:46
76	180224M1_78	1800298-04 REEPDW158 0.1178	25-Feb-18	03:08:15
77	180224M1_79	1800298-05 REEPDW159 0.11737	25-Feb-18	03:19:44
78	180224M1_80	1800299-01 REEPDW155FRB 0.11474	25-Feb-18	03:31:04
79	180224M1_81	1800299-02 REEPDW156FRB 0.1178	25-Feb-18	03:42:32
80	180224M1_82	1800299-03 REEPDW157FRB 0.11643	25-Feb-18	03:54:01
81	180224M1_83	1800299-04 REEPDW158FRB 0.11892	25-Feb-18	04:05:31
82	180224M1_84	1800299-05 REEPDW159FRB 0.11693	25-Feb-18	04:17:00
83	180224M1_85	1800301-01 REEPDW160 0.11595	25-Feb-18	04:28:26
84	180224M1_86	1800301-02 REEPDW515 0.11695	25-Feb-18	04:39:56
85	180224M1_87	IPA	25-Feb-18	04:51:25
86	180224M1_88	ST180224M1-5 PFC CS3 18B2317	25-Feb-18	05:02:52
87	180224M1_89	IPA	25-Feb-18	05:14:21
88	180224M1_90	1800301-03 REEPDW161 0.11505	25-Feb-18	05:25:51
89	180224M1_91	1800301-04 REEPDW162 0.11664	25-Feb-18	05:37:21
90	180224M1_92	1800301-05 REEPDW163 0.11483	25-Feb-18	05:48:48
91	180224M1_93	1800302-01 REEPDW160FRB 0.11761	25-Feb-18	06:00:15
92	180224M1_94	1800302-02 REEPDW161FRB 0.1172	25-Feb-18	06:11:42
93	180224M1_95	1800302-03 REEPDW162FRB 0.11535	25-Feb-18	06:23:09
94	180224M1_96	1800302-04 REEPDW163FRB 0.11575	25-Feb-18	06:34:35
95	180224M1_97	B8B0111-BS1 OPR 0.125	25-Feb-18	06:46:02
96	180224M1_98	B8B0111-BLK1 Method Blank 0.125	25-Feb-18	06:57:33
97	180224M1_99	B8B0111-MS1 Matrix Spike 0.11922	25-Feb-18	07:09:00
98	180224M1_100	B8B0111-MSD1 Matrix Spike Dup 0.1198	25-Feb-18	07:20:29
99	180224M1_101	1800308-01 OF-RW55-0218 0.11519	25-Feb-18	07:31:56

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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
100	180224M1_102	1800308-02 OF-RW55P-0218 0.11586	25-Feb-18	07:43:23
101	180224M1_103	1800308-03 OF-FB55-0218 0.11289	25-Feb-18	07:54:50
102	180224M1_104	1800308-04 OF-RW56-0218 0.11816	25-Feb-18	08:06:17
103	180224M1_105	1800308-05 OF-FB56-0218 0.11044	25-Feb-18	08:17:47
104	180224M1_106	1800308-06 OF-RW53-0218 0.11594	25-Feb-18	08:29:15
105	180224M1_107	1800308-07 OF-FB53-0218 0.11932	25-Feb-18	08:40:42
106	180224M1_108	1800308-08 OF-RW68-0218 0.11919	25-Feb-18	08:52:09
107	180224M1_109	1800308-09 OF-FB68-0218 0.11842	25-Feb-18	09:03:36
108	180224M1_110	1800308-10 OF-RW54-0218 0.07054	25-Feb-18	09:15:05
109	180224M1_111	1800308-11 OF-FB54-0218 0.11801	25-Feb-18	09:26:31
110	180224M1_112	1800308-12 OF-RW69-0218 0.11701	25-Feb-18	09:38:01
111	180224M1_113	1800308-13 OF-FB69-0218 0.1193	25-Feb-18	09:49:31
112	180224M1_114	IPA	25-Feb-18	10:00:58
113	180224M1_115	ST180224M1-6 PFC CS3 18B2317	25-Feb-18	10:12:28
114	180224M1_116	IPA	25-Feb-18	10:23:57
115	180224M1_117	1800308-14 OF-RW30-0218 0.11538	25-Feb-18	10:35:23
116	180224M1_118	1800308-15 OF-FB30-0218 0.12036	25-Feb-18	10:46:50
117	180224M1_119	1800308-16 OF-RW24-0218 0.11552	25-Feb-18	10:58:17
118	180224M1_120	1800308-17 OF-FB24-0218 0.11631	25-Feb-18	11:09:44
119	180224M1_121	1800308-18 OF-RW46-0218 0.11424	25-Feb-18	11:21:14
120	180224M1_122	1800308-19 OF-FB46-0218 0.11839	25-Feb-18	11:32:44
121	180224M1_123	IPA	25-Feb-18	11:44:14
122	180224M1_124	ST180224M1-7 PFC CS3 18B2317	25-Feb-18	11:55:44
123	180224M1_125	IPA	25-Feb-18	12:07:13

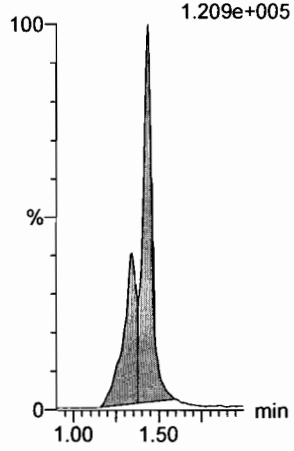
Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-124.qld

Last Altered: Monday, February 26, 2018 10:35:08 Pacific Standard Time
Printed: Monday, February 26, 2018 10:41:36 Pacific Standard Time

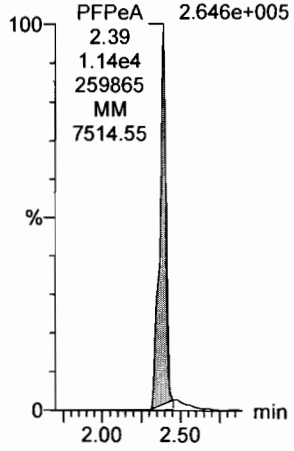
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 26 Feb 2018 09:30:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180224M1_124, Date: 25-Feb-2018, Time: 11:55:44, ID: ST180224M1-7 PFC CS3 18B2317, Description: PFC CS3 18B2317

PFBA



PFPeA



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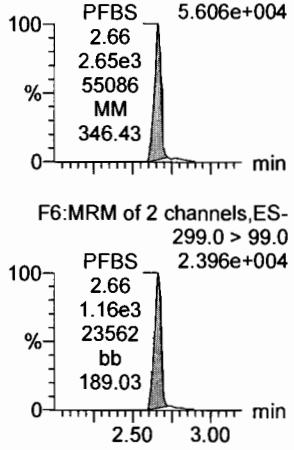
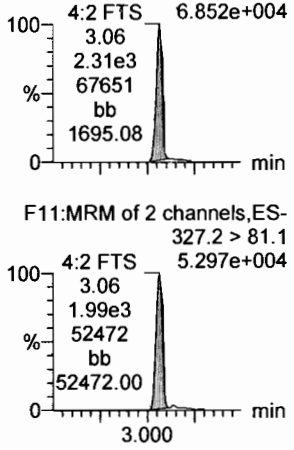
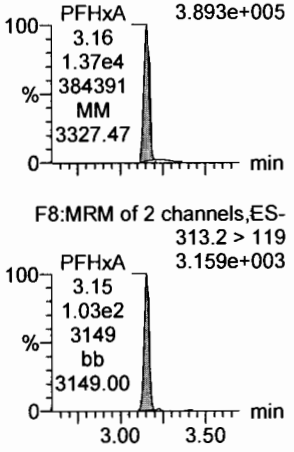


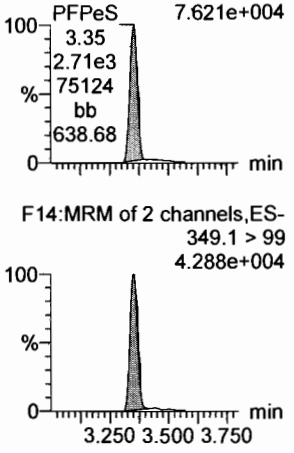
4:2 FTS



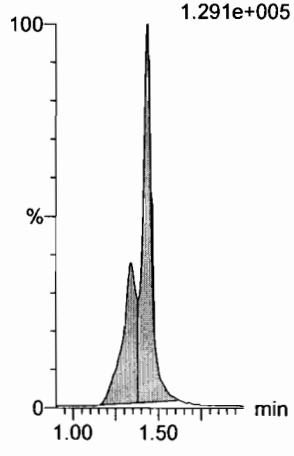
PFHxA



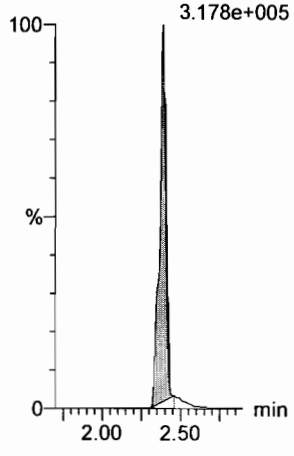
PFPeS



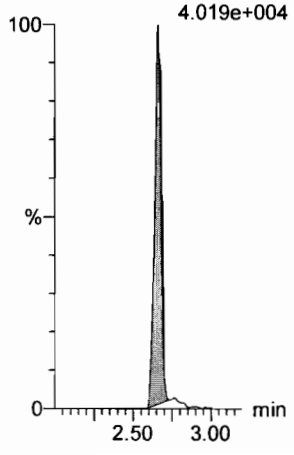
13C3-PFBA



13C3-PFPeA



13C3-PFBS



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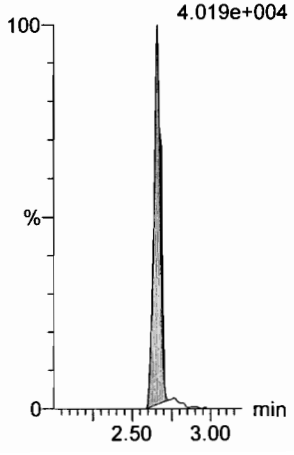

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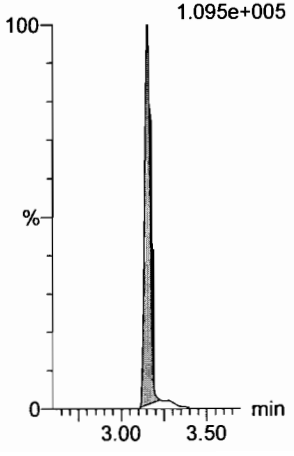

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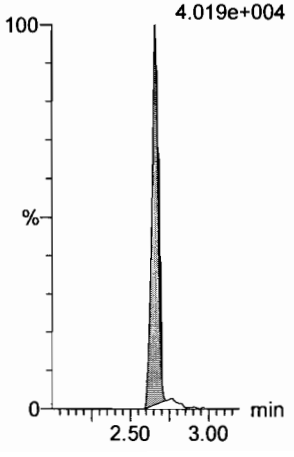

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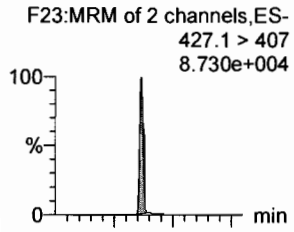
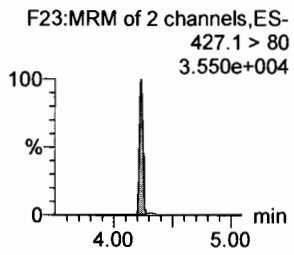
Last Altered: Monday, February 26, 2018 10:35:08 Pacific Standard Time
Printed: Monday, February 26, 2018 10:41:36 Pacific Standard Time

Name: 180224M1_124, Date: 25-Feb-2018, Time: 11:55:44, ID: ST180224M1-7 PFC CS3 18B2317, Description: PFC CS3 18B2317

6:2 FTS





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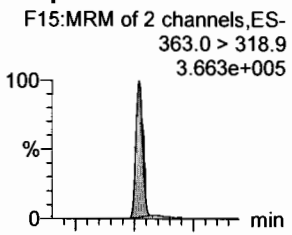
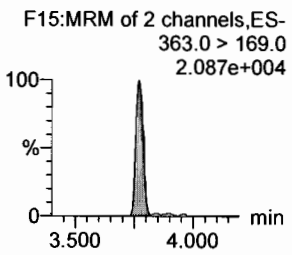
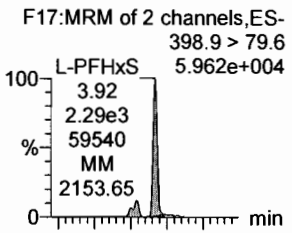
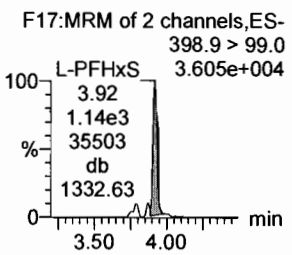


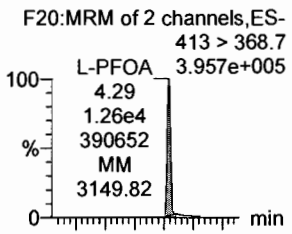


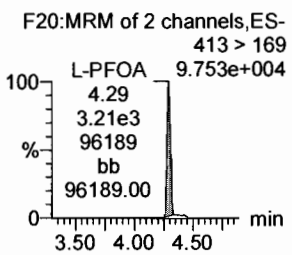
L-PFHxS



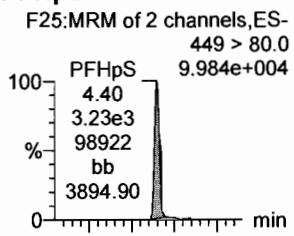


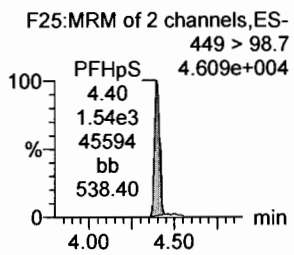
L-PFOA





PFHpS





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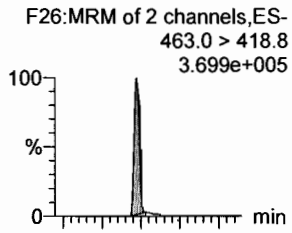
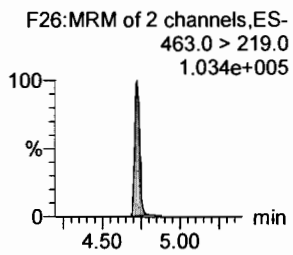
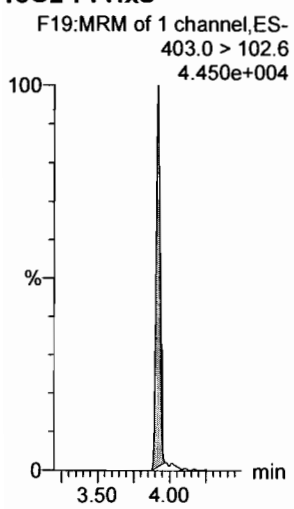
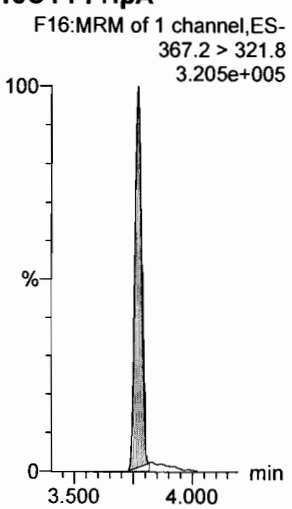




18O2-PFHxS



13C4-PFHpA



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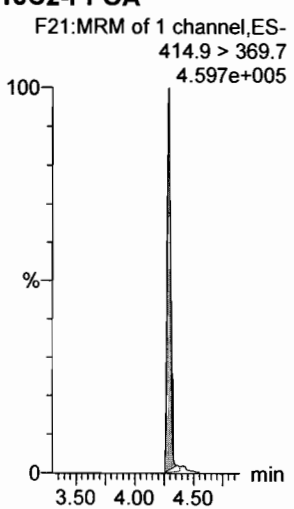

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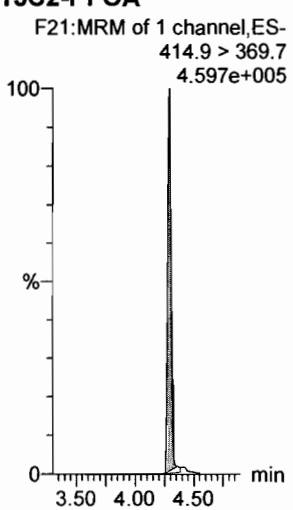

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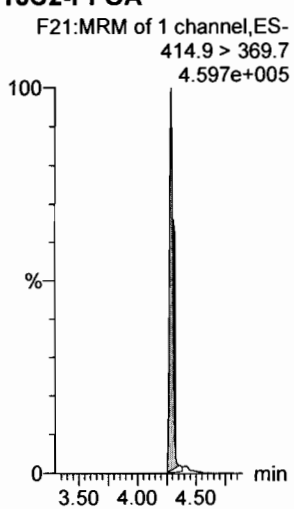

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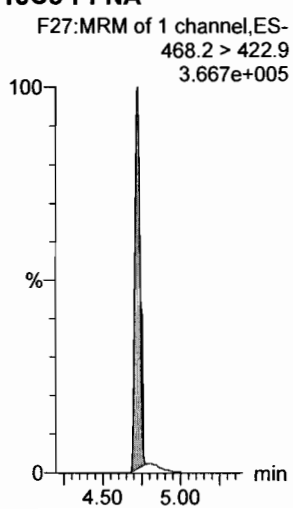

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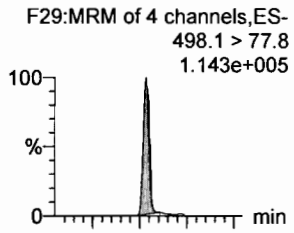
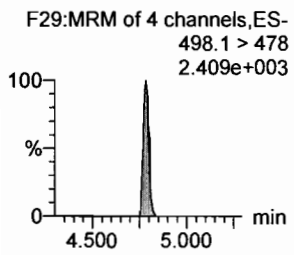
Last Altered: Monday, February 26, 2018 10:35:08 Pacific Standard Time
Printed: Monday, February 26, 2018 10:41:36 Pacific Standard Time

Name: 180224M1_124, Date: 25-Feb-2018, Time: 11:55:44, ID: ST180224M1-7 PFC CS3 18B2317, Description: PFC CS3 18B2317

PFOSA





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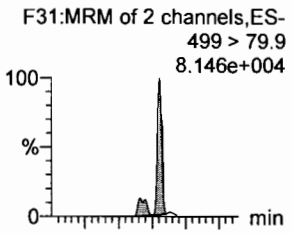

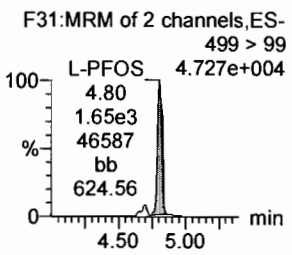

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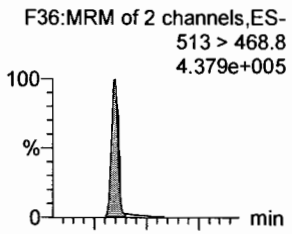
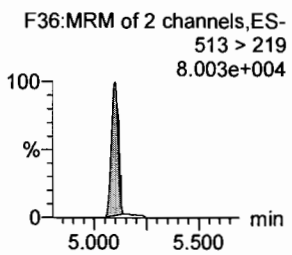
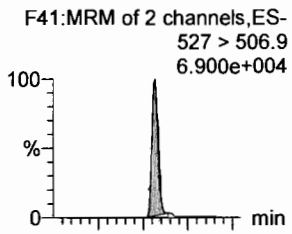
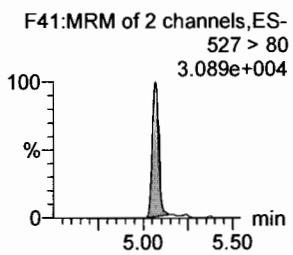




8:2 FTS





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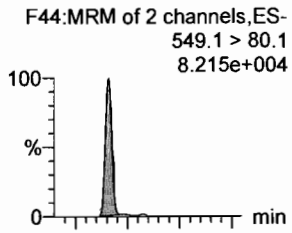

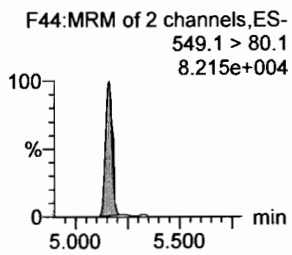

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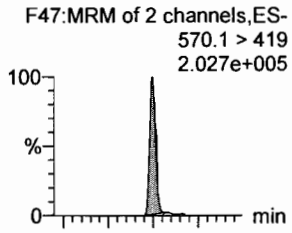

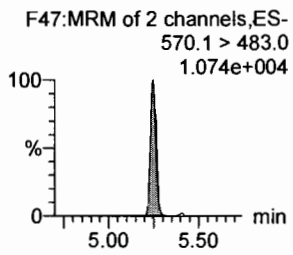

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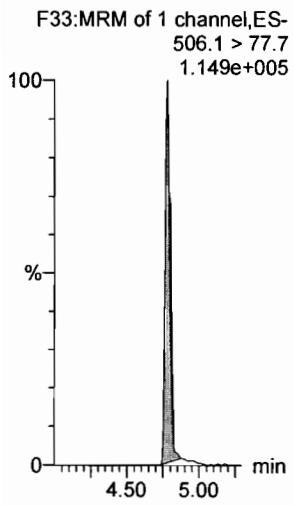
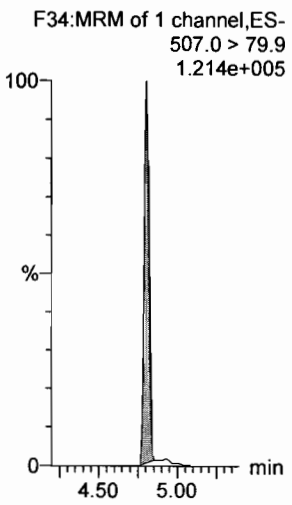


13C8-PFOS



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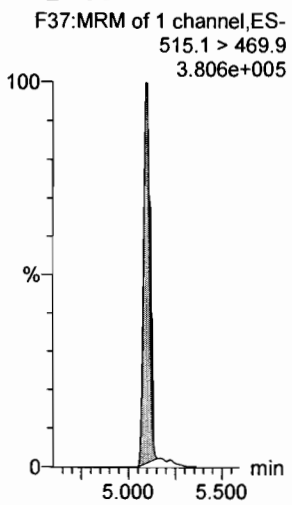

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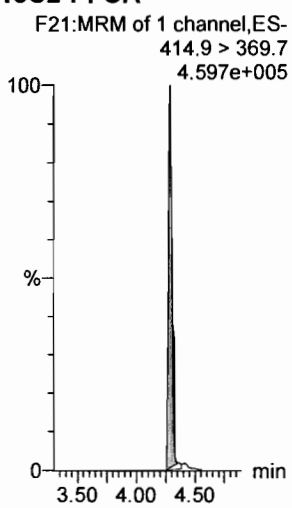

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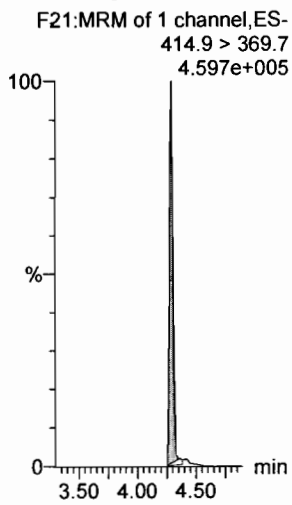

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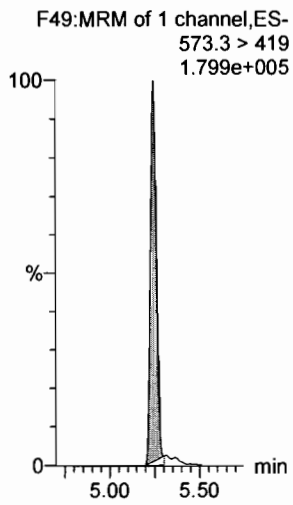

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Name: 180224M1_124, Date: 25-Feb-2018, Time: 11:55:44, ID: ST180224M1-7 PFC CS3 18B2317, Description: PFC CS3 18B2317

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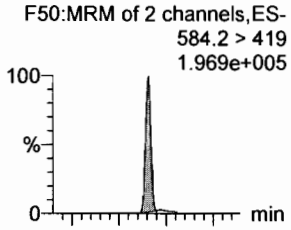
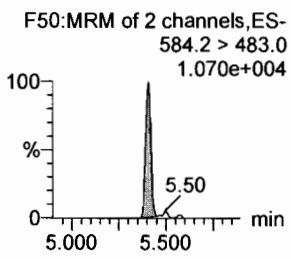
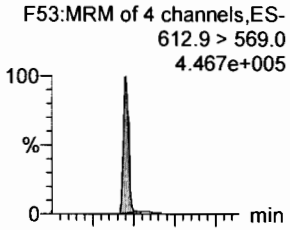
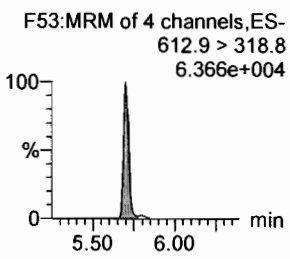




PFDoA





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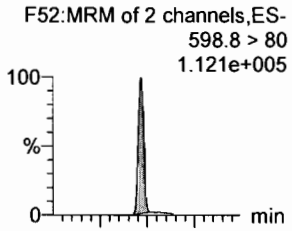

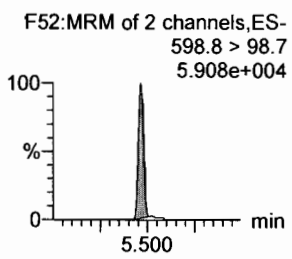

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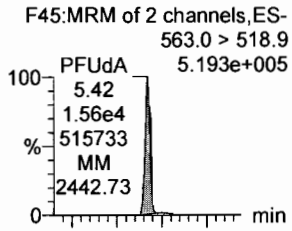

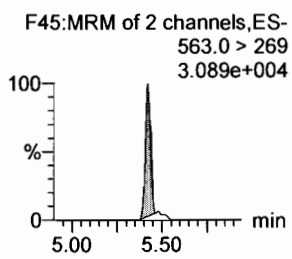

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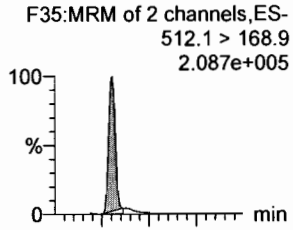

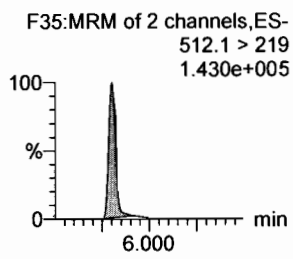

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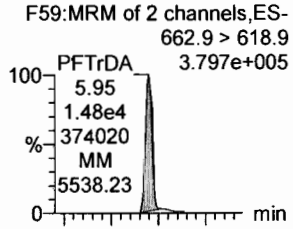

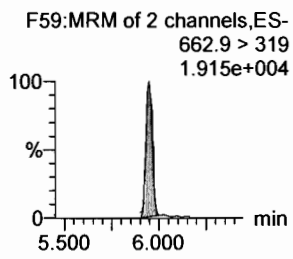

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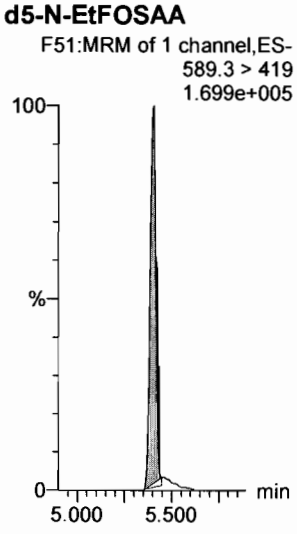
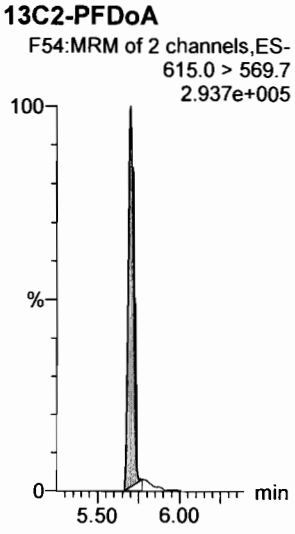
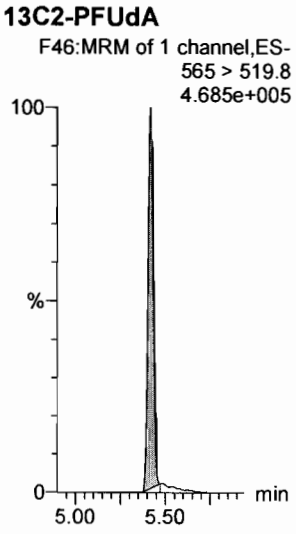


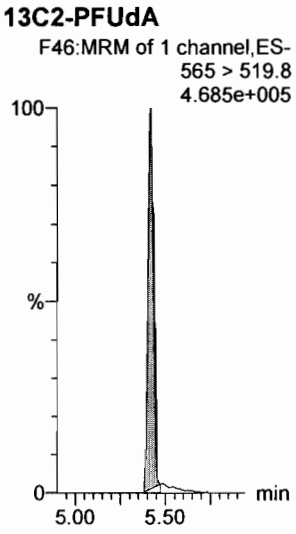
13C2-PFDoA



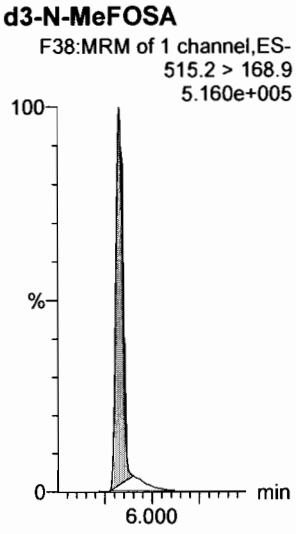
13C2-PFUdA



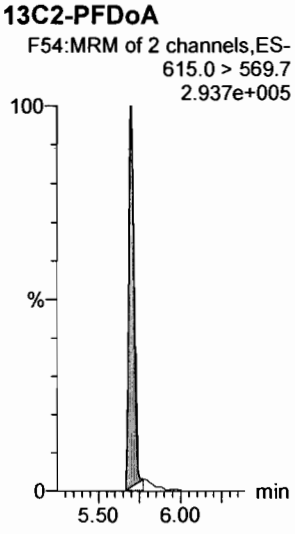
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

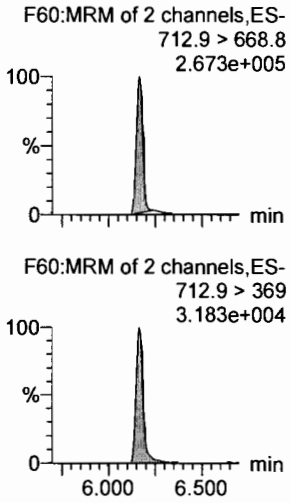


Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-124.qld

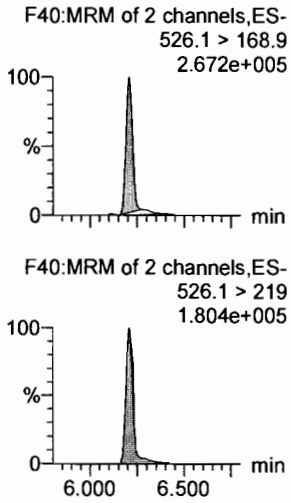
Last Altered: Monday, February 26, 2018 10:35:08 Pacific Standard Time
Printed: Monday, February 26, 2018 10:41:36 Pacific Standard Time

Name: 180224M1_124, Date: 25-Feb-2018, Time: 11:55:44, ID: ST180224M1-7 PFC CS3 18B2317, Description: PFC CS3 18B2317

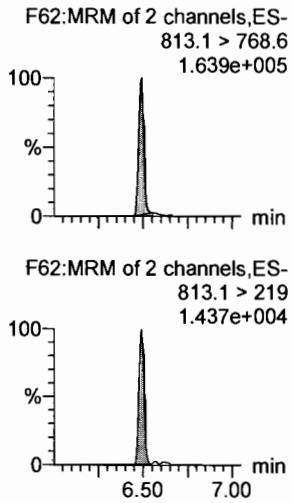
PFTeDA



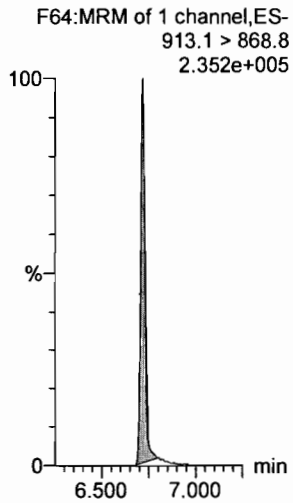
N-EtFOSA



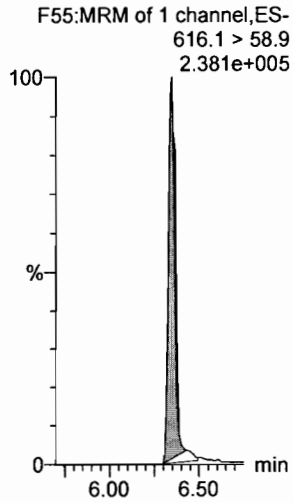
PFHxDA



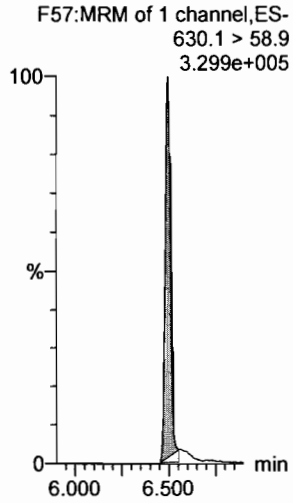
PFODA



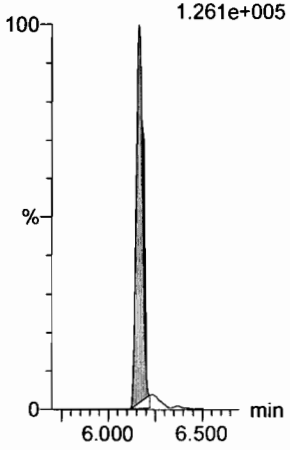
N-MeFOSE



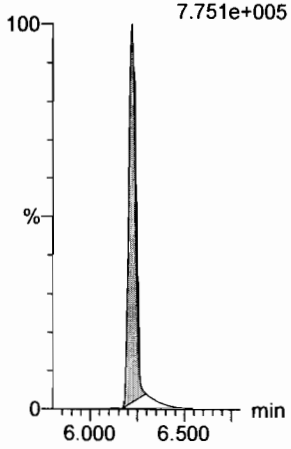
N-EtFOSE



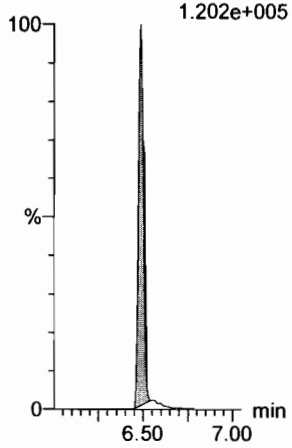
13C2-PFTeDA



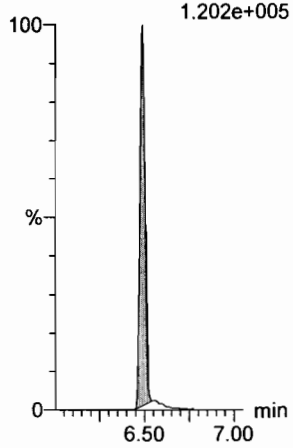
d5-N-ETFOSA



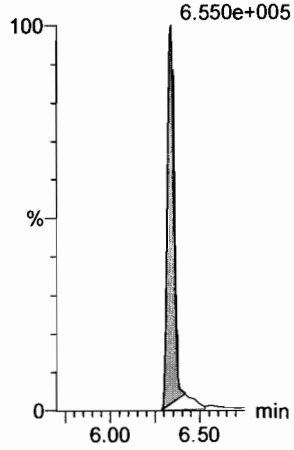
13C2-PFHxDA



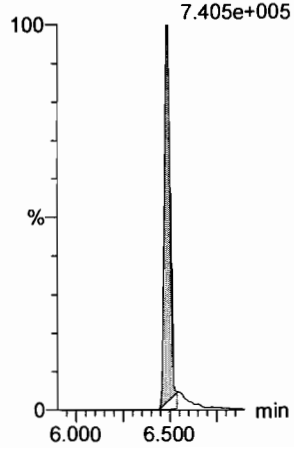
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

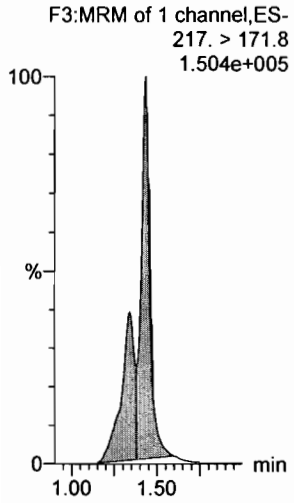


Dataset: F:\Projects\PFAS.PRO\Results\180224M1\180224M1-124.qld

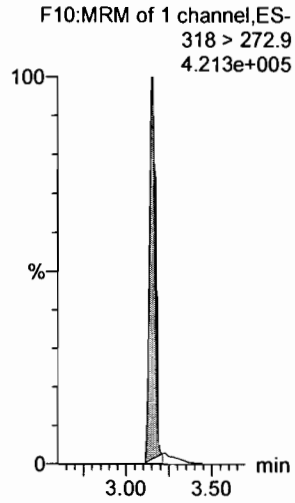
Last Altered: Monday, February 26, 2018 10:35:08 Pacific Standard Time
Printed: Monday, February 26, 2018 10:41:36 Pacific Standard Time

Name: 180224M1_124, Date: 25-Feb-2018, Time: 11:55:44, ID: ST180224M1-7 PFC CS3 18B2317, Description: PFC CS3 18B2317

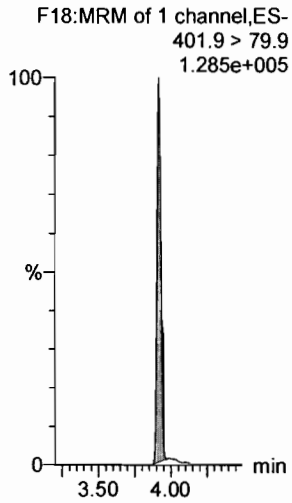
13C4-PFBA



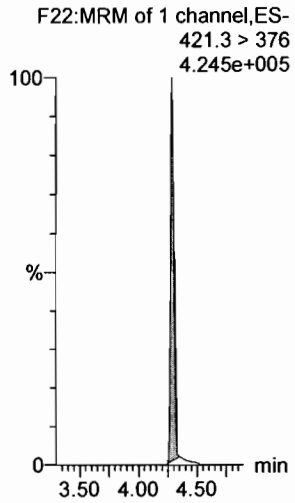
13C5-PFHxA



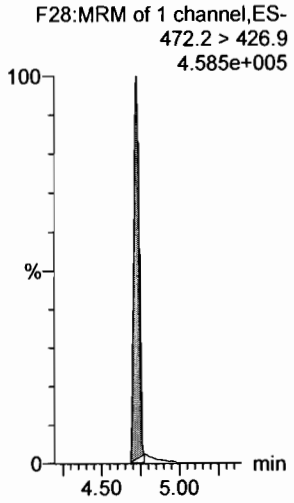
13C3-PFHxS



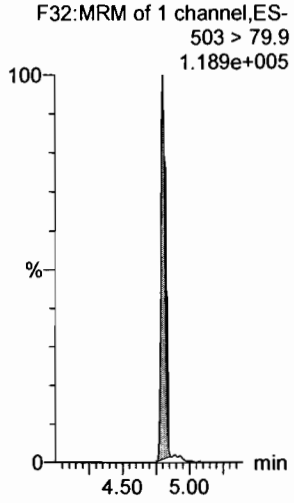
13C8-PFOA



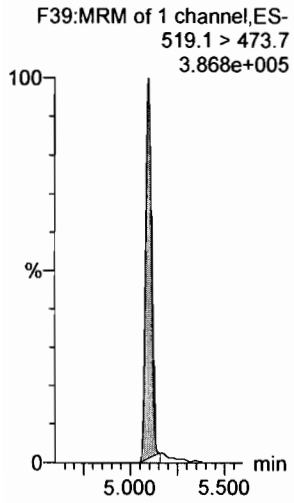
13C9-PFNA



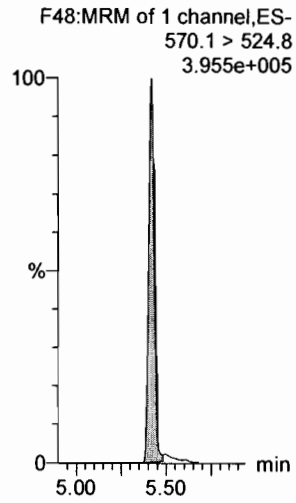
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: Untitled

Last Altered: Wednesday, February 28, 2018 13:37:49 Pacific Standard Time
Printed: Wednesday, February 28, 2018 13:43:06 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_RS-2-5-18.mdb 06 Feb 2018 10:46:28
Calibration: 28 Feb 2018 13:24:25

Name: 180227M1_7, Date: 27-Feb-2018, Time: 20:28:00, ID: ST180227M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180227M1-6 PFC CS3 18B2317	1.49e4	100.0	NO
2	2	13C5-PFHxA	ST180227M1-6 PFC CS3 18B2317	1.53e4	100.0	NO
3	3	13C3-PFHxS	ST180227M1-6 PFC CS3 18B2317	4.09e3	100.0	NO
4	4	13C8-PFOA	ST180227M1-6 PFC CS3 18B2317	9.95e3	100.0	NO
5	5	13C9-PFNA	ST180227M1-6 PFC CS3 18B2317	1.57e4	100.0	NO
6	6	13C4-PFOS	ST180227M1-6 PFC CS3 18B2317	3.68e3	100.0	NO
7	7	13C6-PFDA	ST180227M1-6 PFC CS3 18B2317	1.41e4	100.0	NO
8	8	13C7-PFUdA	ST180227M1-6 PFC CS3 18B2317	1.63e4	100.0	NO

Name: 180227M1_8, Date: 27-Feb-2018, Time: 20:39:30, ID: ST180227M1-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180227M1-7 PFC CS4 18B2318	1.50e4	100.6	NO
2	2	13C5-PFHxA	ST180227M1-7 PFC CS4 18B2318	1.61e4	105.6	NO
3	3	13C3-PFHxS	ST180227M1-7 PFC CS4 18B2318	4.18e3	102.1	NO
4	4	13C8-PFOA	ST180227M1-7 PFC CS4 18B2318	1.00e4	100.9	NO
5	5	13C9-PFNA	ST180227M1-7 PFC CS4 18B2318	1.37e4	87.7	NO
6	6	13C4-PFOS	ST180227M1-7 PFC CS4 18B2318	3.64e3	98.9	NO
7	7	13C6-PFDA	ST180227M1-7 PFC CS4 18B2318	1.54e4	108.7	NO
8	8	13C7-PFUdA	ST180227M1-7 PFC CS4 18B2318	1.64e4	100.8	NO

Name: 180227M1_9, Date: 27-Feb-2018, Time: 20:51:00, ID: ST180227M1-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180227M1-8 PFC CS5 18B2319	1.46e4	97.7	NO
2	2	13C5-PFHxA	ST180227M1-8 PFC CS5 18B2319	1.49e4	97.5	NO
3	3	13C3-PFHxS	ST180227M1-8 PFC CS5 18B2319	3.85e3	94.2	NO
4	4	13C8-PFOA	ST180227M1-8 PFC CS5 18B2319	1.01e4	101.9	NO
5	5	13C9-PFNA	ST180227M1-8 PFC CS5 18B2319	1.48e4	94.8	NO
6	6	13C4-PFOS	ST180227M1-8 PFC CS5 18B2319	4.20e3	114.1	NO
7	7	13C6-PFDA	ST180227M1-8 PFC CS5 18B2319	1.39e4	98.2	NO
8	8	13C7-PFUdA	ST180227M1-8 PFC CS5 18B2319	1.42e4	87.3	NO

Name: 180227M1_10, Date: 27-Feb-2018, Time: 21:02:27, ID: ST180227M1-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180227M1-9 PFC CS6 18B2320	1.44e4	96.5	NO
2	2	13C5-PFHxA	ST180227M1-9 PFC CS6 18B2320	1.28e4	83.6	NO
3	3	13C3-PFHxS	ST180227M1-9 PFC CS6 18B2320	3.49e3	85.3	NO
4	4	13C8-PFOA	ST180227M1-9 PFC CS6 18B2320	1.03e4	103.7	NO
5	5	13C9-PFNA	ST180227M1-9 PFC CS6 18B2320	1.34e4	85.4	NO
6	6	13C4-PFOS	ST180227M1-9 PFC CS6 18B2320	2.77e3	75.4	NO
7	7	13C6-PFDA	ST180227M1-9 PFC CS6 18B2320	1.24e4	87.6	NO
8	8	13C7-PFUdA	ST180227M1-9 PFC CS6 18B2320	1.38e4	84.8	NO

Dataset: Untitled

Last Altered: Wednesday, February 28, 2018 13:37:49 Pacific Standard Time
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Name: 180227M1_11, Date: 27-Feb-2018, Time: 21:13:56, ID: ST180227M1-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180227M1-10 PFC CS7 18B2321	1.37e4	91.6	NO
2	2	13C5-PFHxA	ST180227M1-10 PFC CS7 18B2321	1.22e4	80.0	NO
3	3	13C3-PFHxS	ST180227M1-10 PFC CS7 18B2321	3.06e3	74.9	NO
4	4	13C8-PFOA	ST180227M1-10 PFC CS7 18B2321	8.48e3	85.2	NO
5	5	13C9-PFNA	ST180227M1-10 PFC CS7 18B2321	1.23e4	78.7	NO
6	6	13C4-PFOS	ST180227M1-10 PFC CS7 18B2321	3.09e3	84.0	NO
7	7	13C6-PFDA	ST180227M1-10 PFC CS7 18B2321	1.21e4	85.3	NO
8	8	13C7-PFUdA	ST180227M1-10 PFC CS7 18B2321	1.41e4	86.3	NO

Name: 180227M1_12, Date: 27-Feb-2018, Time: 21:25:26, 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: 180227M1_13, Date: 27-Feb-2018, Time: 21:36:56, ID: ICV180227M1-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ICV180227M1-1 PFC ICV 18B2311	1.45e4	97.2	NO
2	2	13C5-PFHxA	ICV180227M1-1 PFC ICV 18B2311	1.28e4	84.0	NO
3	3	13C3-PFHxS	ICV180227M1-1 PFC ICV 18B2311	3.55e3	86.9	NO
4	4	13C8-PFOA	ICV180227M1-1 PFC ICV 18B2311	1.12e4	113.0	NO
5	5	13C9-PFNA	ICV180227M1-1 PFC ICV 18B2311	1.29e4	82.7	NO
6	6	13C4-PFOS	ICV180227M1-1 PFC ICV 18B2311	3.58e3	97.2	NO
7	7	13C6-PFDA	ICV180227M1-1 PFC ICV 18B2311	1.32e4	93.6	NO
8	8	13C7-PFUdA	ICV180227M1-1 PFC ICV 18B2311	1.52e4	93.0	NO

Name: 180227M1_14, Date: 27-Feb-2018, Time: 21:48:26, 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	5.37e0	0.0	YES

Dataset: Untitled

Last Altered: Wednesday, February 28, 2018 13:37:49 Pacific Standard Time
Printed: Wednesday, February 28, 2018 13:43:06 Pacific Standard Time

Name: 180227M1_15, Date: 27-Feb-2018, Time: 21:59:52, ID: 1800170-01@5X MBR Grab 0.02037, Description: MBR Grab

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800170-01@5X MBR Grab 0.02037	1.94e3	13.0	YES
2	2	13C5-PFHxA	1800170-01@5X MBR Grab 0.02037	2.22e3	14.5	YES
3	3	13C3-PFHxS	1800170-01@5X MBR Grab 0.02037	5.90e2	14.4	YES
4	4	13C8-PFOA	1800170-01@5X MBR Grab 0.02037	1.68e3	16.9	YES
5	5	13C9-PFNA	1800170-01@5X MBR Grab 0.02037	2.00e3	12.8	YES
6	6	13C4-PFOS	1800170-01@5X MBR Grab 0.02037	5.79e2	15.7	YES
7	7	13C6-PFDA	1800170-01@5X MBR Grab 0.02037	1.98e3	14.0	YES
8	8	13C7-PFUdA	1800170-01@5X MBR Grab 0.02037	2.11e3	13.0	YES

Name: 180227M1_16, Date: 27-Feb-2018, Time: 22:11:23, ID: 1800170-02@20x TANK 3 Comp 0.02084, Description: TANK 3 Comp

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800170-02@20x TANK 3 Comp 0.02084	5.25e2	3.5	YES
2	2	13C5-PFHxA	1800170-02@20x TANK 3 Comp 0.02084	5.68e2	3.7	YES
3	3	13C3-PFHxS	1800170-02@20x TANK 3 Comp 0.02084	1.31e2	3.2	YES
4	4	13C8-PFOA	1800170-02@20x TANK 3 Comp 0.02084	4.20e2	4.2	YES
5	5	13C9-PFNA	1800170-02@20x TANK 3 Comp 0.02084	4.36e2	2.8	YES
6	6	13C4-PFOS	1800170-02@20x TANK 3 Comp 0.02084	1.61e2	4.4	YES
7	7	13C6-PFDA	1800170-02@20x TANK 3 Comp 0.02084	5.94e2	4.2	YES
8	8	13C7-PFUdA	1800170-02@20x TANK 3 Comp 0.02084	6.59e2	4.0	YES

Name: 180227M1_17, Date: 27-Feb-2018, Time: 22:22:52, ID: B8B0010-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0010-BS1 OPR 0.25	1.22e4	81.4	NO
2	2	13C5-PFHxA	B8B0010-BS1 OPR 0.25	1.37e4	89.6	NO
3	3	13C3-PFHxS	B8B0010-BS1 OPR 0.25	2.91e3	71.1	NO
4	4	13C8-PFOA	B8B0010-BS1 OPR 0.25	9.71e3	97.6	NO
5	5	13C9-PFNA	B8B0010-BS1 OPR 0.25	9.75e3	62.3	NO
6	6	13C4-PFOS	B8B0010-BS1 OPR 0.25	1.88e3	51.1	NO
7	7	13C6-PFDA	B8B0010-BS1 OPR 0.25	5.54e3	39.1	YES
8	8	13C7-PFUdA	B8B0010-BS1 OPR 0.25	1.44e3	8.8	YES

Name: 180227M1_18, Date: 27-Feb-2018, Time: 22:34:19, ID: B8B0010-MSD1 Matrix Spike Dup 0.11689, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0010-MSD1 Matrix Spike Dup 0.116...	1.17e4	78.2	NO
2	2	13C5-PFHxA	B8B0010-MSD1 Matrix Spike Dup 0.116...	1.28e4	83.7	NO
3	3	13C3-PFHxS	B8B0010-MSD1 Matrix Spike Dup 0.116...	3.29e3	80.4	NO
4	4	13C8-PFOA	B8B0010-MSD1 Matrix Spike Dup 0.116...	1.00e4	100.6	NO
5	5	13C9-PFNA	B8B0010-MSD1 Matrix Spike Dup 0.116...	1.11e4	70.9	NO
6	6	13C4-PFOS	B8B0010-MSD1 Matrix Spike Dup 0.116...	1.73e3	46.9	YES
7	7	13C6-PFDA	B8B0010-MSD1 Matrix Spike Dup 0.116...	7.28e3	51.4	NO
8	8	13C7-PFUdA	B8B0010-MSD1 Matrix Spike Dup 0.116...	2.25e3	13.8	YES

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Name: 180227M1_19, Date: 27-Feb-2018, Time: 22:45:46, ID: B8B0010-MS1 Matrix Spike 0.11755, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0010-MS1 Matrix Spike 0.11755	1.27e4	84.8	NO
2	2	13C5-PFHxA	B8B0010-MS1 Matrix Spike 0.11755	1.36e4	88.9	NO
3	3	13C3-PFHxS	B8B0010-MS1 Matrix Spike 0.11755	3.70e3	90.4	NO
4	4	13C8-PFOA	B8B0010-MS1 Matrix Spike 0.11755	1.00e4	100.8	NO
5	5	13C9-PFNA	B8B0010-MS1 Matrix Spike 0.11755	1.18e4	75.4	NO
6	6	13C4-PFOS	B8B0010-MS1 Matrix Spike 0.11755	2.27e3	61.8	NO
7	7	13C6-PFDA	B8B0010-MS1 Matrix Spike 0.11755	6.71e3	47.4	YES
8	8	13C7-PFUdA	B8B0010-MS1 Matrix Spike 0.11755	1.40e3	8.6	YES

Name: 180227M1_20, Date: 27-Feb-2018, Time: 22:57:13, ID: B8B0096-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0096-BS1 OPR 0.125	8.93e3	59.8	NO
2	2	13C5-PFHxA	B8B0096-BS1 OPR 0.125	9.64e3	63.0	NO
3	3	13C3-PFHxS	B8B0096-BS1 OPR 0.125	2.68e3	65.5	NO
4	4	13C8-PFOA	B8B0096-BS1 OPR 0.125	7.70e3	77.4	NO
5	5	13C9-PFNA	B8B0096-BS1 OPR 0.125	8.91e3	56.9	NO
6	6	13C4-PFOS	B8B0096-BS1 OPR 0.125	2.64e3	71.8	NO
7	7	13C6-PFDA	B8B0096-BS1 OPR 0.125	1.25e4	88.0	NO
8	8	13C7-PFUdA	B8B0096-BS1 OPR 0.125	1.30e4	79.5	NO

Name: 180227M1_21, Date: 27-Feb-2018, Time: 23:08:40, ID: B8B0096-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0096-BLK1 Method Blank 0.125	9.88e3	66.1	NO
2	2	13C5-PFHxA	B8B0096-BLK1 Method Blank 0.125	1.01e4	66.0	NO
3	3	13C3-PFHxS	B8B0096-BLK1 Method Blank 0.125	3.19e3	78.0	NO
4	4	13C8-PFOA	B8B0096-BLK1 Method Blank 0.125	8.36e3	84.0	NO
5	5	13C9-PFNA	B8B0096-BLK1 Method Blank 0.125	1.00e4	63.9	NO
6	6	13C4-PFOS	B8B0096-BLK1 Method Blank 0.125	3.12e3	84.8	NO
7	7	13C6-PFDA	B8B0096-BLK1 Method Blank 0.125	1.19e4	84.4	NO
8	8	13C7-PFUdA	B8B0096-BLK1 Method Blank 0.125	1.37e4	83.8	NO

Name: 180227M1_22, Date: 27-Feb-2018, Time: 23:20:09, ID: B8B0096-MS1 Matrix Spike 0.11568, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0096-MS1 Matrix Spike 0.11568	6.38e3	42.7	YES
2	2	13C5-PFHxA	B8B0096-MS1 Matrix Spike 0.11568	6.79e3	44.4	YES
3	3	13C3-PFHxS	B8B0096-MS1 Matrix Spike 0.11568	2.50e3	61.1	NO
4	4	13C8-PFOA	B8B0096-MS1 Matrix Spike 0.11568	5.44e3	54.7	NO
5	5	13C9-PFNA	B8B0096-MS1 Matrix Spike 0.11568	6.88e3	43.9	YES
6	6	13C4-PFOS	B8B0096-MS1 Matrix Spike 0.11568	3.03e3	82.3	NO
7	7	13C6-PFDA	B8B0096-MS1 Matrix Spike 0.11568	1.02e4	72.3	NO
8	8	13C7-PFUdA	B8B0096-MS1 Matrix Spike 0.11568	1.14e4	69.9	NO

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Name: 180227M1_23, Date: 27-Feb-2018, Time: 23:31:38, ID: B8B0096-MSD1 Matrix Spike Dup 0.1188, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8B0096-MSD1 Matrix Spike Dup 0.1188	5.64e3	37.7	YES
2	2 13C5-PFHxA	B8B0096-MSD1 Matrix Spike Dup 0.1188	6.49e3	42.4	YES
3	3 13C3-PFHxS	B8B0096-MSD1 Matrix Spike Dup 0.1188	2.86e3	69.9	NO
4	4 13C8-PFOA	B8B0096-MSD1 Matrix Spike Dup 0.1188	4.66e3	46.8	YES
5	5 13C9-PFNA	B8B0096-MSD1 Matrix Spike Dup 0.1188	7.05e3	45.1	YES
6	6 13C4-PFOS	B8B0096-MSD1 Matrix Spike Dup 0.1188	2.65e3	72.1	NO
7	7 13C6-PFDA	B8B0096-MSD1 Matrix Spike Dup 0.1188	7.22e3	51.0	NO
8	8 13C7-PFUdA	B8B0096-MSD1 Matrix Spike Dup 0.1188	9.27e3	56.9	NO

Name: 180227M1_24, Date: 27-Feb-2018, Time: 23:43:09, ID: 1800298-01 REEPDW155 0.11708, Description: REEPDW155

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800298-01 REEPDW155 0.11708	7.36e3	49.3	YES
2	2 13C5-PFHxA	1800298-01 REEPDW155 0.11708	8.83e3	57.7	NO
3	3 13C3-PFHxS	1800298-01 REEPDW155 0.11708	3.24e3	79.1	NO
4	4 13C8-PFOA	1800298-01 REEPDW155 0.11708	7.49e3	75.3	NO
5	5 13C9-PFNA	1800298-01 REEPDW155 0.11708	9.60e3	61.3	NO
6	6 13C4-PFOS	1800298-01 REEPDW155 0.11708	2.80e3	76.1	NO
7	7 13C6-PFDA	1800298-01 REEPDW155 0.11708	1.04e4	73.7	NO
8	8 13C7-PFUdA	1800298-01 REEPDW155 0.11708	1.29e4	79.2	NO

Name: 180227M1_25, Date: 27-Feb-2018, Time: 23:54:38, ID: 1800298-02 REEPDW156 0.11596, Description: REEPDW156

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800298-02 REEPDW156 0.11596	7.11e3	47.6	YES
2	2 13C5-PFHxA	1800298-02 REEPDW156 0.11596	7.40e3	48.4	YES
3	3 13C3-PFHxS	1800298-02 REEPDW156 0.11596	3.03e3	74.1	NO
4	4 13C8-PFOA	1800298-02 REEPDW156 0.11596	7.37e3	74.1	NO
5	5 13C9-PFNA	1800298-02 REEPDW156 0.11596	7.30e3	46.6	YES
6	6 13C4-PFOS	1800298-02 REEPDW156 0.11596	2.60e3	70.6	NO
7	7 13C6-PFDA	1800298-02 REEPDW156 0.11596	1.04e4	73.8	NO
8	8 13C7-PFUdA	1800298-02 REEPDW156 0.11596	1.08e4	66.1	NO

Name: 180227M1_26, Date: 28-Feb-2018, Time: 00:06:08, ID: 1800298-03 REEPDW157 0.12015, Description: REEPDW157

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800298-03 REEPDW157 0.12015	5.54e3	37.1	YES
2	2 13C5-PFHxA	1800298-03 REEPDW157 0.12015	6.67e3	43.6	YES
3	3 13C3-PFHxS	1800298-03 REEPDW157 0.12015	2.79e3	68.1	NO
4	4 13C8-PFOA	1800298-03 REEPDW157 0.12015	6.31e3	63.4	NO
5	5 13C9-PFNA	1800298-03 REEPDW157 0.12015	7.84e3	50.1	NO
6	6 13C4-PFOS	1800298-03 REEPDW157 0.12015	2.69e3	73.1	NO
7	7 13C6-PFDA	1800298-03 REEPDW157 0.12015	8.63e3	61.0	NO
8	8 13C7-PFUdA	1800298-03 REEPDW157 0.12015	1.16e4	71.2	NO

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Name: 180227M1_27, Date: 28-Feb-2018, Time: 00:17:39, ID: 1800298-04 REEPDW158 0.1178, Description: REEPDW158

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800298-04 REEPDW158 0.1178	6.08e3	40.7	YES
2	2	13C5-PFHxA	1800298-04 REEPDW158 0.1178	6.71e3	43.9	YES
3	3	13C3-PFHxS	1800298-04 REEPDW158 0.1178	2.82e3	69.0	NO
4	4	13C8-PFOA	1800298-04 REEPDW158 0.1178	5.84e3	58.6	NO
5	5	13C9-PFNA	1800298-04 REEPDW158 0.1178	5.76e3	36.8	YES
6	6	13C4-PFOS	1800298-04 REEPDW158 0.1178	2.70e3	73.5	NO
7	7	13C6-PFDA	1800298-04 REEPDW158 0.1178	8.37e3	59.1	NO
8	8	13C7-PFUdA	1800298-04 REEPDW158 0.1178	1.04e4	63.8	NO

Name: 180227M1_28, Date: 28-Feb-2018, Time: 00:29:05, ID: 1800298-05 REEPDW159 0.11737, Description: REEPDW159

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800298-05 REEPDW159 0.11737	6.59e3	44.1	YES
2	2	13C5-PFHxA	1800298-05 REEPDW159 0.11737	7.46e3	48.8	YES
3	3	13C3-PFHxS	1800298-05 REEPDW159 0.11737	2.75e3	67.3	NO
4	4	13C8-PFOA	1800298-05 REEPDW159 0.11737	6.58e3	66.2	NO
5	5	13C9-PFNA	1800298-05 REEPDW159 0.11737	7.99e3	51.1	NO
6	6	13C4-PFOS	1800298-05 REEPDW159 0.11737	3.11e3	84.7	NO
7	7	13C6-PFDA	1800298-05 REEPDW159 0.11737	1.04e4	73.8	NO
8	8	13C7-PFUdA	1800298-05 REEPDW159 0.11737	9.50e3	58.2	NO

Name: 180227M1_29, Date: 28-Feb-2018, Time: 00:40:35, ID: 1800299-01 REEPDW155FRB 0.11474, Description: REEPDW155FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800299-01 REEPDW155FRB 0.11474	1.02e4	68.0	NO
2	2	13C5-PFHxA	1800299-01 REEPDW155FRB 0.11474	1.20e4	78.7	NO
3	3	13C3-PFHxS	1800299-01 REEPDW155FRB 0.11474	3.15e3	77.0	NO
4	4	13C8-PFOA	1800299-01 REEPDW155FRB 0.11474	9.71e3	97.6	NO
5	5	13C9-PFNA	1800299-01 REEPDW155FRB 0.11474	1.21e4	77.5	NO
6	6	13C4-PFOS	1800299-01 REEPDW155FRB 0.11474	3.03e3	82.4	NO
7	7	13C6-PFDA	1800299-01 REEPDW155FRB 0.11474	1.26e4	88.8	NO
8	8	13C7-PFUdA	1800299-01 REEPDW155FRB 0.11474	1.56e4	95.6	NO

Name: 180227M1_30, Date: 28-Feb-2018, Time: 00:52:05, ID: 1800299-02 REEPDW156FRB 0.1178, Description: REEPDW156FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800299-02 REEPDW156FRB 0.1178	8.90e3	59.6	NO
2	2	13C5-PFHxA	1800299-02 REEPDW156FRB 0.1178	9.92e3	64.9	NO
3	3	13C3-PFHxS	1800299-02 REEPDW156FRB 0.1178	2.91e3	71.2	NO
4	4	13C8-PFOA	1800299-02 REEPDW156FRB 0.1178	9.26e3	93.0	NO
5	5	13C9-PFNA	1800299-02 REEPDW156FRB 0.1178	9.99e3	63.8	NO
6	6	13C4-PFOS	1800299-02 REEPDW156FRB 0.1178	2.67e3	72.5	NO
7	7	13C6-PFDA	1800299-02 REEPDW156FRB 0.1178	1.04e4	73.8	NO
8	8	13C7-PFUdA	1800299-02 REEPDW156FRB 0.1178	1.44e4	88.4	NO

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Name: 180227M1_31, Date: 28-Feb-2018, Time: 01:03:32, ID: 1800299-03 REEPDW157FRB 0.11643, Description: REEPDW157FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800299-03 REEPDW157FRB 0.11643	8.35e3	55.9	NO
2	2	13C5-PFHxA	1800299-03 REEPDW157FRB 0.11643	9.66e3	63.2	NO
3	3	13C3-PFHxS	1800299-03 REEPDW157FRB 0.11643	2.59e3	63.3	NO
4	4	13C8-PFOA	1800299-03 REEPDW157FRB 0.11643	6.87e3	69.0	NO
5	5	13C9-PFNA	1800299-03 REEPDW157FRB 0.11643	1.01e4	64.6	NO
6	6	13C4-PFOS	1800299-03 REEPDW157FRB 0.11643	2.29e3	62.3	NO
7	7	13C6-PFDA	1800299-03 REEPDW157FRB 0.11643	1.22e4	86.0	NO
8	8	13C7-PFUdA	1800299-03 REEPDW157FRB 0.11643	1.24e4	75.8	NO

Name: 180227M1_32, Date: 28-Feb-2018, Time: 01:14:59, ID: 1800299-04 REEPDW158FRB 0.11892, Description: REEPDW158FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800299-04 REEPDW158FRB 0.11892	7.65e3	51.2	NO
2	2	13C5-PFHxA	1800299-04 REEPDW158FRB 0.11892	8.75e3	57.2	NO
3	3	13C3-PFHxS	1800299-04 REEPDW158FRB 0.11892	2.67e3	65.2	NO
4	4	13C8-PFOA	1800299-04 REEPDW158FRB 0.11892	8.33e3	83.7	NO
5	5	13C9-PFNA	1800299-04 REEPDW158FRB 0.11892	8.75e3	55.9	NO
6	6	13C4-PFOS	1800299-04 REEPDW158FRB 0.11892	2.50e3	67.9	NO
7	7	13C6-PFDA	1800299-04 REEPDW158FRB 0.11892	1.20e4	84.8	NO
8	8	13C7-PFUdA	1800299-04 REEPDW158FRB 0.11892	1.24e4	76.0	NO

Name: 180227M1_33, Date: 28-Feb-2018, Time: 01:26:25, ID: 1800299-05 REEPDW159FRB 0.11693, Description: REEPDW159FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800299-05 REEPDW159FRB 0.11693	8.22e3	55.0	NO
2	2	13C5-PFHxA	1800299-05 REEPDW159FRB 0.11693	9.33e3	61.0	NO
3	3	13C3-PFHxS	1800299-05 REEPDW159FRB 0.11693	2.79e3	68.2	NO
4	4	13C8-PFOA	1800299-05 REEPDW159FRB 0.11693	8.69e3	87.3	NO
5	5	13C9-PFNA	1800299-05 REEPDW159FRB 0.11693	7.89e3	50.4	NO
6	6	13C4-PFOS	1800299-05 REEPDW159FRB 0.11693	2.86e3	77.7	NO
7	7	13C6-PFDA	1800299-05 REEPDW159FRB 0.11693	9.47e3	66.9	NO
8	8	13C7-PFUdA	1800299-05 REEPDW159FRB 0.11693	1.43e4	87.8	NO

Name: 180227M1_34, Date: 28-Feb-2018, Time: 01:37:52, ID: 1800301-01 REEPDW160 0.11595, Description: REEPDW160

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800301-01 REEPDW160 0.11595	8.06e3	54.0	NO
2	2	13C5-PFHxA	1800301-01 REEPDW160 0.11595	8.77e3	57.3	NO
3	3	13C3-PFHxS	1800301-01 REEPDW160 0.11595	3.09e3	75.5	NO
4	4	13C8-PFOA	1800301-01 REEPDW160 0.11595	7.81e3	78.4	NO
5	5	13C9-PFNA	1800301-01 REEPDW160 0.11595	9.30e3	59.4	NO
6	6	13C4-PFOS	1800301-01 REEPDW160 0.11595	3.48e3	94.7	NO
7	7	13C6-PFDA	1800301-01 REEPDW160 0.11595	1.23e4	87.1	NO
8	8	13C7-PFUdA	1800301-01 REEPDW160 0.11595	1.20e4	73.4	NO

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Name: 180227M1_35, Date: 28-Feb-2018, Time: 01:49:19, ID: 1800301-02 REEPDW515 0.11695, Description: REEPDW515

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800301-02 REEPDW515 0.11695	8.00e3	53.5	NO
2	2	13C5-PFHxA	1800301-02 REEPDW515 0.11695	8.28e3	54.1	NO
3	3	13C3-PFHxS	1800301-02 REEPDW515 0.11695	3.00e3	73.3	NO
4	4	13C8-PFOA	1800301-02 REEPDW515 0.11695	7.95e3	79.8	NO
5	5	13C9-PFNA	1800301-02 REEPDW515 0.11695	8.60e3	54.9	NO
6	6	13C4-PFOS	1800301-02 REEPDW515 0.11695	2.48e3	67.4	NO
7	7	13C6-PFDA	1800301-02 REEPDW515 0.11695	9.66e3	68.3	NO
8	8	13C7-PFUdA	1800301-02 REEPDW515 0.11695	1.21e4	74.4	NO

Name: 180227M1_36, Date: 28-Feb-2018, Time: 02:00:46, ID: 1800301-03 REEPDW161 0.11505, Description: REEPDW161

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800301-03 REEPDW161 0.11505	6.94e3	46.5	YES
2	2	13C5-PFHxA	1800301-03 REEPDW161 0.11505	8.23e3	53.8	NO
3	3	13C3-PFHxS	1800301-03 REEPDW161 0.11505	2.87e3	70.1	NO
4	4	13C8-PFOA	1800301-03 REEPDW161 0.11505	6.16e3	61.9	NO
5	5	13C9-PFNA	1800301-03 REEPDW161 0.11505	6.84e3	43.7	YES
6	6	13C4-PFOS	1800301-03 REEPDW161 0.11505	3.01e3	81.8	NO
7	7	13C6-PFDA	1800301-03 REEPDW161 0.11505	1.08e4	76.1	NO
8	8	13C7-PFUdA	1800301-03 REEPDW161 0.11505	1.18e4	72.2	NO

Name: 180227M1_37, Date: 28-Feb-2018, Time: 02:12:13, 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: 180227M1_38, Date: 28-Feb-2018, Time: 02:23:40, ID: ST180227M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180227M1-11 PFC CS3 18B2317	1.37e4	91.6	NO
2	2	13C5-PFHxA	ST180227M1-11 PFC CS3 18B2317	1.35e4	88.1	NO
3	3	13C3-PFHxS	ST180227M1-11 PFC CS3 18B2317	3.84e3	94.0	NO
4	4	13C8-PFOA	ST180227M1-11 PFC CS3 18B2317	1.20e4	120.4	NO
5	5	13C9-PFNA	ST180227M1-11 PFC CS3 18B2317	1.49e4	95.4	NO
6	6	13C4-PFOS	ST180227M1-11 PFC CS3 18B2317	3.66e3	99.7	NO
7	7	13C6-PFDA	ST180227M1-11 PFC CS3 18B2317	1.83e4	129.2	NO
8	8	13C7-PFUdA	ST180227M1-11 PFC CS3 18B2317	1.86e4	113.8	NO

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Name: 180227M1_39, Date: 28-Feb-2018, Time: 02:35:07, 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: 180227M1_40, Date: 28-Feb-2018, Time: 02:46:37, ID: 1800301-04 REEPDW162 0.11664, Description: REEPDW162

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800301-04 REEPDW162 0.11664	9.03e3	60.4	NO
2	2	13C5-PFHxA	1800301-04 REEPDW162 0.11664	9.29e3	60.7	NO
3	3	13C3-PFHxS	1800301-04 REEPDW162 0.11664	2.99e3	73.0	NO
4	4	13C8-PFOA	1800301-04 REEPDW162 0.11664	7.44e3	74.8	NO
5	5	13C9-PFNA	1800301-04 REEPDW162 0.11664	8.44e3	53.9	NO
6	6	13C4-PFOS	1800301-04 REEPDW162 0.11664	2.89e3	78.7	NO
7	7	13C6-PFDA	1800301-04 REEPDW162 0.11664	1.09e4	77.0	NO
8	8	13C7-PFUdA	1800301-04 REEPDW162 0.11664	1.24e4	76.2	NO

Name: 180227M1_41, Date: 28-Feb-2018, Time: 02:58:04, ID: 1800301-05 REEPDW163 0.11483, Description: REEPDW163

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800301-05 REEPDW163 0.11483	7.44e3	49.8	YES
2	2	13C5-PFHxA	1800301-05 REEPDW163 0.11483	9.48e3	62.0	NO
3	3	13C3-PFHxS	1800301-05 REEPDW163 0.11483	2.65e3	64.8	NO
4	4	13C8-PFOA	1800301-05 REEPDW163 0.11483	6.42e3	64.5	NO
5	5	13C9-PFNA	1800301-05 REEPDW163 0.11483	7.67e3	49.0	YES
6	6	13C4-PFOS	1800301-05 REEPDW163 0.11483	3.02e3	82.2	NO
7	7	13C6-PFDA	1800301-05 REEPDW163 0.11483	1.05e4	74.4	NO
8	8	13C7-PFUdA	1800301-05 REEPDW163 0.11483	1.15e4	70.7	NO

Name: 180227M1_42, Date: 28-Feb-2018, Time: 03:09:34, ID: 1800302-01 REEPDW160FRB 0.11761, Description: REEPDW160FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800302-01 REEPDW160FRB 0.11761	9.58e3	64.1	NO
2	2	13C5-PFHxA	1800302-01 REEPDW160FRB 0.11761	9.86e3	64.5	NO
3	3	13C3-PFHxS	1800302-01 REEPDW160FRB 0.11761	2.91e3	71.2	NO
4	4	13C8-PFOA	1800302-01 REEPDW160FRB 0.11761	8.89e3	89.4	NO
5	5	13C9-PFNA	1800302-01 REEPDW160FRB 0.11761	8.94e3	57.1	NO
6	6	13C4-PFOS	1800302-01 REEPDW160FRB 0.11761	3.00e3	81.6	NO
7	7	13C6-PFDA	1800302-01 REEPDW160FRB 0.11761	1.31e4	92.6	NO
8	8	13C7-PFUdA	1800302-01 REEPDW160FRB 0.11761	1.43e4	87.9	NO

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Name: 180227M1_43, Date: 28-Feb-2018, Time: 03:21:01, ID: 1800302-02 REEPDW161FRB 0.1172, Description: REEPDW161FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800302-02 REEPDW161FRB 0.1172	7.59e3	50.8	NO
2	2	13C5-PFHxA	1800302-02 REEPDW161FRB 0.1172	8.81e3	57.6	NO
3	3	13C3-PFHxS	1800302-02 REEPDW161FRB 0.1172	2.63e3	64.2	NO
4	4	13C8-PFOA	1800302-02 REEPDW161FRB 0.1172	7.75e3	77.9	NO
5	5	13C9-PFNA	1800302-02 REEPDW161FRB 0.1172	8.27e3	52.9	NO
6	6	13C4-PFOS	1800302-02 REEPDW161FRB 0.1172	2.37e3	64.4	NO
7	7	13C6-PFDA	1800302-02 REEPDW161FRB 0.1172	1.02e4	71.8	NO
8	8	13C7-PFUdA	1800302-02 REEPDW161FRB 0.1172	1.29e4	79.3	NO

Name: 180227M1_44, Date: 28-Feb-2018, Time: 03:32:30, ID: 1800302-03 REEPDW162FRB 0.11535, Description: REEPDW162FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800302-03 REEPDW162FRB 0.11535	9.83e3	65.8	NO
2	2	13C5-PFHxA	1800302-03 REEPDW162FRB 0.11535	1.07e4	69.7	NO
3	3	13C3-PFHxS	1800302-03 REEPDW162FRB 0.11535	2.80e3	68.5	NO
4	4	13C8-PFOA	1800302-03 REEPDW162FRB 0.11535	9.38e3	94.3	NO
5	5	13C9-PFNA	1800302-03 REEPDW162FRB 0.11535	1.00e4	64.0	NO
6	6	13C4-PFOS	1800302-03 REEPDW162FRB 0.11535	2.82e3	76.6	NO
7	7	13C6-PFDA	1800302-03 REEPDW162FRB 0.11535	9.75e3	68.9	NO
8	8	13C7-PFUdA	1800302-03 REEPDW162FRB 0.11535	1.29e4	78.8	NO

Name: 180227M1_45, Date: 28-Feb-2018, Time: 03:44:00, ID: 1800302-04 REEPDW163FRB 0.11575, Description: REEPDW163FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800302-04 REEPDW163FRB 0.11575	8.91e3	59.6	NO
2	2	13C5-PFHxA	1800302-04 REEPDW163FRB 0.11575	1.02e4	66.6	NO
3	3	13C3-PFHxS	1800302-04 REEPDW163FRB 0.11575	2.88e3	70.4	NO
4	4	13C8-PFOA	1800302-04 REEPDW163FRB 0.11575	8.50e3	85.4	NO
5	5	13C9-PFNA	1800302-04 REEPDW163FRB 0.11575	9.83e3	62.8	NO
6	6	13C4-PFOS	1800302-04 REEPDW163FRB 0.11575	2.37e3	64.3	NO
7	7	13C6-PFDA	1800302-04 REEPDW163FRB 0.11575	1.16e4	82.2	NO
8	8	13C7-PFUdA	1800302-04 REEPDW163FRB 0.11575	1.54e4	94.5	NO

Name: 180227M1_46, Date: 28-Feb-2018, Time: 03:55:29, ID: 1800308-11 OF-FB54-0218 0.11801, Description: OF-FB54-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-11 OF-FB54-0218 0.11801	1.03e4	68.9	NO
2	2	13C5-PFHxA	1800308-11 OF-FB54-0218 0.11801	1.17e4	76.7	NO
3	3	13C3-PFHxS	1800308-11 OF-FB54-0218 0.11801	2.98e3	72.8	NO
4	4	13C8-PFOA	1800308-11 OF-FB54-0218 0.11801	8.68e3	87.2	NO
5	5	13C9-PFNA	1800308-11 OF-FB54-0218 0.11801	1.18e4	75.7	NO
6	6	13C4-PFOS	1800308-11 OF-FB54-0218 0.11801	3.07e3	83.5	NO
7	7	13C6-PFDA	1800308-11 OF-FB54-0218 0.11801	1.35e4	95.6	NO
8	8	13C7-PFUdA	1800308-11 OF-FB54-0218 0.11801	1.80e4	110.1	NO

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Name: 180227M1_47, Date: 28-Feb-2018, Time: 04:06:59, ID: 1800308-16 OF-RW24-0218 0.11552, Description: OF-RW24-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-16 OF-RW24-0218 0.11552	8.50e3	56.9	NO
2	2	13C5-PFHxA	1800308-16 OF-RW24-0218 0.11552	1.04e4	68.0	NO
3	3	13C3-PFHxS	1800308-16 OF-RW24-0218 0.11552	2.88e3	70.4	NO
4	4	13C8-PFOA	1800308-16 OF-RW24-0218 0.11552	8.19e3	82.3	NO
5	5	13C9-PFNA	1800308-16 OF-RW24-0218 0.11552	9.26e3	59.2	NO
6	6	13C4-PFOS	1800308-16 OF-RW24-0218 0.11552	2.89e3	78.7	NO
7	7	13C6-PFDA	1800308-16 OF-RW24-0218 0.11552	1.16e4	81.9	NO
8	8	13C7-PFUdA	1800308-16 OF-RW24-0218 0.11552	1.24e4	76.1	NO

Name: 180227M1_48, Date: 28-Feb-2018, Time: 04:18:28, ID: 1800308-17 OF-FB24-0218 0.11631, Description: OF-FB24-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-17 OF-FB24-0218 0.11631	9.80e3	65.6	NO
2	2	13C5-PFHxA	1800308-17 OF-FB24-0218 0.11631	1.03e4	67.1	NO
3	3	13C3-PFHxS	1800308-17 OF-FB24-0218 0.11631	3.29e3	80.4	NO
4	4	13C8-PFOA	1800308-17 OF-FB24-0218 0.11631	7.98e3	80.2	NO
5	5	13C9-PFNA	1800308-17 OF-FB24-0218 0.11631	1.07e4	68.1	NO
6	6	13C4-PFOS	1800308-17 OF-FB24-0218 0.11631	2.96e3	80.5	NO
7	7	13C6-PFDA	1800308-17 OF-FB24-0218 0.11631	1.37e4	97.1	NO
8	8	13C7-PFUdA	1800308-17 OF-FB24-0218 0.11631	1.55e4	95.3	NO

Name: 180227M1_49, Date: 28-Feb-2018, Time: 04:29:50, ID: 1800308-18 OF-RW46-0218 0.11424, Description: OF-RW46-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800308-18 OF-RW46-0218 0.11424	1.09e4	72.6	NO
2	2	13C5-PFHxA	1800308-18 OF-RW46-0218 0.11424	1.11e4	72.6	NO
3	3	13C3-PFHxS	1800308-18 OF-RW46-0218 0.11424	3.34e3	81.8	NO
4	4	13C8-PFOA	1800308-18 OF-RW46-0218 0.11424	1.04e4	104.7	NO
5	5	13C9-PFNA	1800308-18 OF-RW46-0218 0.11424	1.03e4	66.0	NO
6	6	13C4-PFOS	1800308-18 OF-RW46-0218 0.11424	2.81e3	76.4	NO
7	7	13C6-PFDA	1800308-18 OF-RW46-0218 0.11424	1.32e4	93.6	NO
8	8	13C7-PFUdA	1800308-18 OF-RW46-0218 0.11424	1.30e4	79.6	NO

Name: 180227M1_50, Date: 28-Feb-2018, Time: 04:41:17, ID: B8B0126-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0126-BS1 OPR 0.125	8.90e3	59.5	NO
2	2	13C5-PFHxA	B8B0126-BS1 OPR 0.125	9.20e3	60.2	NO
3	3	13C3-PFHxS	B8B0126-BS1 OPR 0.125	3.27e3	80.1	NO
4	4	13C8-PFOA	B8B0126-BS1 OPR 0.125	7.63e3	76.7	NO
5	5	13C9-PFNA	B8B0126-BS1 OPR 0.125	9.28e3	59.3	NO
6	6	13C4-PFOS	B8B0126-BS1 OPR 0.125	3.11e3	84.5	NO
7	7	13C6-PFDA	B8B0126-BS1 OPR 0.125	9.72e3	68.7	NO
8	8	13C7-PFUdA	B8B0126-BS1 OPR 0.125	1.30e4	79.7	NO

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Name: 180227M1_51, Date: 28-Feb-2018, Time: 04:52:44, ID: B8B0126-BSD1 LCSD 0.125, Description: LCSD

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0126-BSD1 LCSD 0.125	8.08e3	54.1	NO
2	2	13C5-PFHxA	B8B0126-BSD1 LCSD 0.125	8.79e3	57.4	NO
3	3	13C3-PFHxS	B8B0126-BSD1 LCSD 0.125	3.22e3	78.8	NO
4	4	13C8-PFOA	B8B0126-BSD1 LCSD 0.125	7.23e3	72.7	NO
5	5	13C9-PFNA	B8B0126-BSD1 LCSD 0.125	8.67e3	55.4	NO
6	6	13C4-PFOS	B8B0126-BSD1 LCSD 0.125	2.63e3	71.4	NO
7	7	13C6-PFDA	B8B0126-BSD1 LCSD 0.125	8.91e3	63.0	NO
8	8	13C7-PFUdA	B8B0126-BSD1 LCSD 0.125	1.16e4	71.4	NO

Name: 180227M1_52, Date: 28-Feb-2018, Time: 05:04:13, ID: B8B0126-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0126-BLK1 Method Blank 0.125	9.21e3	61.6	NO
2	2	13C5-PFHxA	B8B0126-BLK1 Method Blank 0.125	9.42e3	61.6	NO
3	3	13C3-PFHxS	B8B0126-BLK1 Method Blank 0.125	2.80e3	68.4	NO
4	4	13C8-PFOA	B8B0126-BLK1 Method Blank 0.125	6.95e3	69.9	NO
5	5	13C9-PFNA	B8B0126-BLK1 Method Blank 0.125	9.83e3	62.8	NO
6	6	13C4-PFOS	B8B0126-BLK1 Method Blank 0.125	2.83e3	76.9	NO
7	7	13C6-PFDA	B8B0126-BLK1 Method Blank 0.125	1.00e4	70.9	NO
8	8	13C7-PFUdA	B8B0126-BLK1 Method Blank 0.125	1.13e4	69.6	NO

Name: 180227M1_53, Date: 28-Feb-2018, Time: 05:15:40, ID: 1800333-01 REEPDW186 0.12089, Description: REEPDW186

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800333-01 REEPDW186 0.12089	8.26e3	55.3	NO
2	2	13C5-PFHxA	1800333-01 REEPDW186 0.12089	9.06e3	59.3	NO
3	3	13C3-PFHxS	1800333-01 REEPDW186 0.12089	3.02e3	73.7	NO
4	4	13C8-PFOA	1800333-01 REEPDW186 0.12089	7.35e3	73.8	NO
5	5	13C9-PFNA	1800333-01 REEPDW186 0.12089	9.54e3	61.0	NO
6	6	13C4-PFOS	1800333-01 REEPDW186 0.12089	2.92e3	79.5	NO
7	7	13C6-PFDA	1800333-01 REEPDW186 0.12089	1.08e4	76.7	NO
8	8	13C7-PFUdA	1800333-01 REEPDW186 0.12089	1.21e4	73.9	NO

Name: 180227M1_54, Date: 28-Feb-2018, Time: 05:27:10, ID: 1800333-02 REEPDW187 0.11479, Description: REEPDW187

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800333-02 REEPDW187 0.11479	7.61e3	51.0	NO
2	2	13C5-PFHxA	1800333-02 REEPDW187 0.11479	8.79e3	57.5	NO
3	3	13C3-PFHxS	1800333-02 REEPDW187 0.11479	2.44e3	59.6	NO
4	4	13C8-PFOA	1800333-02 REEPDW187 0.11479	7.44e3	74.7	NO
5	5	13C9-PFNA	1800333-02 REEPDW187 0.11479	7.93e3	50.6	NO
6	6	13C4-PFOS	1800333-02 REEPDW187 0.11479	2.81e3	76.5	NO
7	7	13C6-PFDA	1800333-02 REEPDW187 0.11479	8.38e3	59.2	NO
8	8	13C7-PFUdA	1800333-02 REEPDW187 0.11479	9.71e3	59.6	NO

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Name: 180227M1_55, Date: 28-Feb-2018, Time: 05:38:37, ID: 1800333-03 REEPDW188 0.12197, Description: REEPDW188

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800333-03 REEPDW188 0.12197	7.88e3	52.7	NO
2	2	13C5-PFHxA	1800333-03 REEPDW188 0.12197	9.04e3	59.1	NO
3	3	13C3-PFHxS	1800333-03 REEPDW188 0.12197	2.49e3	60.8	NO
4	4	13C8-PFOA	1800333-03 REEPDW188 0.12197	7.00e3	70.3	NO
5	5	13C9-PFNA	1800333-03 REEPDW188 0.12197	7.72e3	49.3	YES
6	6	13C4-PFOS	1800333-03 REEPDW188 0.12197	3.02e3	82.1	NO
7	7	13C6-PFDA	1800333-03 REEPDW188 0.12197	9.94e3	70.3	NO
8	8	13C7-PFUdA	1800333-03 REEPDW188 0.12197	1.01e4	62.1	NO

Name: 180227M1_56, Date: 28-Feb-2018, Time: 05:50:06, ID: 1800333-04 REEPDW153 0.12159, Description: REEPDW153

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800333-04 REEPDW153 0.12159	9.33e3	62.4	NO
2	2	13C5-PFHxA	1800333-04 REEPDW153 0.12159	1.04e4	67.9	NO
3	3	13C3-PFHxS	1800333-04 REEPDW153 0.12159	2.99e3	73.0	NO
4	4	13C8-PFOA	1800333-04 REEPDW153 0.12159	8.97e3	90.1	NO
5	5	13C9-PFNA	1800333-04 REEPDW153 0.12159	1.04e4	66.7	NO
6	6	13C4-PFOS	1800333-04 REEPDW153 0.12159	2.41e3	65.7	NO
7	7	13C6-PFDA	1800333-04 REEPDW153 0.12159	9.74e3	68.8	NO
8	8	13C7-PFUdA	1800333-04 REEPDW153 0.12159	9.69e3	59.4	NO

Name: 180227M1_57, Date: 28-Feb-2018, Time: 06:01:33, ID: 1800334-01 REEPDW186FRB 0.12155, Description: REEPDW186FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800334-01 REEPDW186FRB 0.12155	9.29e3	62.2	NO
2	2	13C5-PFHxA	1800334-01 REEPDW186FRB 0.12155	9.54e3	62.4	NO
3	3	13C3-PFHxS	1800334-01 REEPDW186FRB 0.12155	3.36e3	82.1	NO
4	4	13C8-PFOA	1800334-01 REEPDW186FRB 0.12155	7.39e3	74.3	NO
5	5	13C9-PFNA	1800334-01 REEPDW186FRB 0.12155	8.22e3	52.5	NO
6	6	13C4-PFOS	1800334-01 REEPDW186FRB 0.12155	2.91e3	79.2	NO
7	7	13C6-PFDA	1800334-01 REEPDW186FRB 0.12155	8.87e3	62.7	NO
8	8	13C7-PFUdA	1800334-01 REEPDW186FRB 0.12155	1.40e4	86.0	NO

Name: 180227M1_58, Date: 28-Feb-2018, Time: 06:13:03, ID: 1800334-02 REEPDW187FRB 0.12044, Description: REEPDW187FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800334-02 REEPDW187FRB 0.12044	8.53e3	57.1	NO
2	2	13C5-PFHxA	1800334-02 REEPDW187FRB 0.12044	9.79e3	64.0	NO
3	3	13C3-PFHxS	1800334-02 REEPDW187FRB 0.12044	2.85e3	69.8	NO
4	4	13C8-PFOA	1800334-02 REEPDW187FRB 0.12044	7.47e3	75.1	NO
5	5	13C9-PFNA	1800334-02 REEPDW187FRB 0.12044	9.47e3	60.5	NO
6	6	13C4-PFOS	1800334-02 REEPDW187FRB 0.12044	3.06e3	83.2	NO
7	7	13C6-PFDA	1800334-02 REEPDW187FRB 0.12044	9.80e3	69.3	NO
8	8	13C7-PFUdA	1800334-02 REEPDW187FRB 0.12044	1.12e4	68.4	NO

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Name: 180227M1_59, Date: 28-Feb-2018, Time: 06:24:32, ID: 1800334-03 REEPDW188FRB 0.12213, Description: REEPDW188FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800334-03 REEPDW188FRB 0.12213	8.17e3	54.7	NO
2	2	13C5-PFHxA	1800334-03 REEPDW188FRB 0.12213	9.24e3	60.4	NO
3	3	13C3-PFHxS	1800334-03 REEPDW188FRB 0.12213	3.28e3	80.1	NO
4	4	13C8-PFOA	1800334-03 REEPDW188FRB 0.12213	6.62e3	66.5	NO
5	5	13C9-PFNA	1800334-03 REEPDW188FRB 0.12213	8.04e3	51.4	NO
6	6	13C4-PFOS	1800334-03 REEPDW188FRB 0.12213	3.37e3	91.6	NO
7	7	13C6-PFDA	1800334-03 REEPDW188FRB 0.12213	9.99e3	70.6	NO
8	8	13C7-PFUdA	1800334-03 REEPDW188FRB 0.12213	1.19e4	73.0	NO

Name: 180227M1_60, Date: 28-Feb-2018, Time: 06:36:01, ID: 1800334-04 REEPDW153FRB 0.12039, Description: REEPDW153FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800334-04 REEPDW153FRB 0.12039	7.50e3	50.2	NO
2	2	13C5-PFHxA	1800334-04 REEPDW153FRB 0.12039	8.68e3	56.7	NO
3	3	13C3-PFHxS	1800334-04 REEPDW153FRB 0.12039	2.74e3	67.1	NO
4	4	13C8-PFOA	1800334-04 REEPDW153FRB 0.12039	7.13e3	71.6	NO
5	5	13C9-PFNA	1800334-04 REEPDW153FRB 0.12039	8.49e3	54.3	NO
6	6	13C4-PFOS	1800334-04 REEPDW153FRB 0.12039	3.12e3	84.8	NO
7	7	13C6-PFDA	1800334-04 REEPDW153FRB 0.12039	1.02e4	72.4	NO
8	8	13C7-PFUdA	1800334-04 REEPDW153FRB 0.12039	1.08e4	66.2	NO

Name: 180227M1_61, Date: 28-Feb-2018, Time: 06:47:28, ID: B8B0130-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0130-BS1 OPR 0.125	9.95e3	66.6	NO
2	2	13C5-PFHxA	B8B0130-BS1 OPR 0.125	1.13e4	73.8	NO
3	3	13C3-PFHxS	B8B0130-BS1 OPR 0.125	3.27e3	79.9	NO
4	4	13C8-PFOA	B8B0130-BS1 OPR 0.125	9.99e3	100.3	NO
5	5	13C9-PFNA	B8B0130-BS1 OPR 0.125	1.13e4	72.3	NO
6	6	13C4-PFOS	B8B0130-BS1 OPR 0.125	3.16e3	85.8	NO
7	7	13C6-PFDA	B8B0130-BS1 OPR 0.125	1.15e4	81.5	NO
8	8	13C7-PFUdA	B8B0130-BS1 OPR 0.125	1.46e4	89.6	NO

Name: 180227M1_62, Date: 28-Feb-2018, Time: 06:58:58, ID: B8B0130-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0130-BLK1 Method Blank 0.125	1.09e4	72.6	NO
2	2	13C5-PFHxA	B8B0130-BLK1 Method Blank 0.125	1.29e4	84.3	NO
3	3	13C3-PFHxS	B8B0130-BLK1 Method Blank 0.125	3.50e3	85.6	NO
4	4	13C8-PFOA	B8B0130-BLK1 Method Blank 0.125	9.30e3	93.5	NO
5	5	13C9-PFNA	B8B0130-BLK1 Method Blank 0.125	1.34e4	85.5	NO
6	6	13C4-PFOS	B8B0130-BLK1 Method Blank 0.125	3.62e3	98.5	NO
7	7	13C6-PFDA	B8B0130-BLK1 Method Blank 0.125	1.54e4	109.0	NO
8	8	13C7-PFUdA	B8B0130-BLK1 Method Blank 0.125	1.65e4	101.4	NO

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Name: 180227M1_63, Date: 28-Feb-2018, Time: 07:10:26, ID: B8B0130-MS1 Matrix Spike 0.11711, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0130-MS1 Matrix Spike 0.11711	1.12e4	75.0	NO
2	2	13C5-PFHxA	B8B0130-MS1 Matrix Spike 0.11711	1.21e4	78.9	NO
3	3	13C3-PFHxS	B8B0130-MS1 Matrix Spike 0.11711	3.12e3	76.2	NO
4	4	13C8-PFOA	B8B0130-MS1 Matrix Spike 0.11711	1.01e4	101.9	NO
5	5	13C9-PFNA	B8B0130-MS1 Matrix Spike 0.11711	1.01e4	64.3	NO
6	6	13C4-PFOS	B8B0130-MS1 Matrix Spike 0.11711	3.41e3	92.7	NO
7	7	13C6-PFDA	B8B0130-MS1 Matrix Spike 0.11711	1.34e4	94.9	NO
8	8	13C7-PFUdA	B8B0130-MS1 Matrix Spike 0.11711	1.77e4	108.8	NO

Name: 180227M1_64, Date: 28-Feb-2018, Time: 07:21:55, ID: B8B0130-MSD1 Matrix Spike Dup 0.11705, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0130-MSD1 Matrix Spike Dup 0.117...	1.05e4	70.1	NO
2	2	13C5-PFHxA	B8B0130-MSD1 Matrix Spike Dup 0.117...	1.06e4	69.0	NO
3	3	13C3-PFHxS	B8B0130-MSD1 Matrix Spike Dup 0.117...	2.97e3	72.7	NO
4	4	13C8-PFOA	B8B0130-MSD1 Matrix Spike Dup 0.117...	1.00e4	100.9	NO
5	5	13C9-PFNA	B8B0130-MSD1 Matrix Spike Dup 0.117...	1.05e4	67.4	NO
6	6	13C4-PFOS	B8B0130-MSD1 Matrix Spike Dup 0.117...	3.13e3	85.0	NO
7	7	13C6-PFDA	B8B0130-MSD1 Matrix Spike Dup 0.117...	1.20e4	84.6	NO
8	8	13C7-PFUdA	B8B0130-MSD1 Matrix Spike Dup 0.117...	1.35e4	82.6	NO

Name: 180227M1_65, Date: 28-Feb-2018, Time: 07:33:26, ID: 1800340-01 WI-AF-MW-614-0218 0.11804, Description: WI-AF-MW-614-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800340-01 WI-AF-MW-614-0218 0.11...	1.02e4	68.5	NO
2	2	13C5-PFHxA	1800340-01 WI-AF-MW-614-0218 0.11...	1.17e4	76.3	NO
3	3	13C3-PFHxS	1800340-01 WI-AF-MW-614-0218 0.11...	3.32e3	81.1	NO
4	4	13C8-PFOA	1800340-01 WI-AF-MW-614-0218 0.11...	1.08e4	108.2	NO
5	5	13C9-PFNA	1800340-01 WI-AF-MW-614-0218 0.11...	1.16e4	74.0	NO
6	6	13C4-PFOS	1800340-01 WI-AF-MW-614-0218 0.11...	3.29e3	89.5	NO
7	7	13C6-PFDA	1800340-01 WI-AF-MW-614-0218 0.11...	1.38e4	97.7	NO
8	8	13C7-PFUdA	1800340-01 WI-AF-MW-614-0218 0.11...	1.39e4	85.5	NO

Name: 180227M1_66, Date: 28-Feb-2018, Time: 07:44:52, ID: 1800340-02 WI-AF-MW-613-0218 0.11332, Description: WI-AF-MW-613-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800340-02 WI-AF-MW-613-0218 0.11...	1.05e4	70.4	NO
2	2	13C5-PFHxA	1800340-02 WI-AF-MW-613-0218 0.11...	1.15e4	74.9	NO
3	3	13C3-PFHxS	1800340-02 WI-AF-MW-613-0218 0.11...	3.07e3	75.0	NO
4	4	13C8-PFOA	1800340-02 WI-AF-MW-613-0218 0.11...	1.07e4	107.6	NO
5	5	13C9-PFNA	1800340-02 WI-AF-MW-613-0218 0.11...	1.11e4	70.6	NO
6	6	13C4-PFOS	1800340-02 WI-AF-MW-613-0218 0.11...	3.11e3	84.5	NO
7	7	13C6-PFDA	1800340-02 WI-AF-MW-613-0218 0.11...	1.47e4	104.1	NO
8	8	13C7-PFUdA	1800340-02 WI-AF-MW-613-0218 0.11...	1.57e4	96.1	NO

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Name: 180227M1_67, Date: 28-Feb-2018, Time: 07:56:19, 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: 180227M1_68, Date: 28-Feb-2018, Time: 08:07:48, ID: ST180227M1-12 PFC CS0 18B2314, Description: PFC CS0 18B2314

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180227M1-12 PFC CS0 18B2314	1.34e4	89.3	NO
2	2	13C5-PFHxA	ST180227M1-12 PFC CS0 18B2314	1.63e4	106.4	NO
3	3	13C3-PFHxS	ST180227M1-12 PFC CS0 18B2314	3.90e3	95.3	NO
4	4	13C8-PFOA	ST180227M1-12 PFC CS0 18B2314	1.33e4	133.7	NO
5	5	13C9-PFNA	ST180227M1-12 PFC CS0 18B2314	1.63e4	104.4	NO
6	6	13C4-PFOS	ST180227M1-12 PFC CS0 18B2314	4.13e3	112.4	NO
7	7	13C6-PFDA	ST180227M1-12 PFC CS0 18B2314	1.90e4	134.0	NO
8	8	13C7-PFUdA	ST180227M1-12 PFC CS0 18B2314	1.90e4	116.6	NO

Name: 180227M1_69, Date: 28-Feb-2018, Time: 08:19:18, 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: 180227M1_70, Date: 28-Feb-2018, Time: 08:30:48, ID: 1800340-03 WI-AF-FB02-021418 0.12011, Description: WI-AF-FB02-021418

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800340-03 WI-AF-FB02-021418 0.120...	9.70e3	64.9	NO
2	2	13C5-PFHxA	1800340-03 WI-AF-FB02-021418 0.120...	1.02e4	66.8	NO
3	3	13C3-PFHxS	1800340-03 WI-AF-FB02-021418 0.120...	3.19e3	78.1	NO
4	4	13C8-PFOA	1800340-03 WI-AF-FB02-021418 0.120...	9.81e3	98.5	NO
5	5	13C9-PFNA	1800340-03 WI-AF-FB02-021418 0.120...	1.16e4	74.3	NO
6	6	13C4-PFOS	1800340-03 WI-AF-FB02-021418 0.120...	3.27e3	88.9	NO
7	7	13C6-PFDA	1800340-03 WI-AF-FB02-021418 0.120...	1.36e4	96.1	NO
8	8	13C7-PFUdA	1800340-03 WI-AF-FB02-021418 0.120...	1.67e4	102.3	NO

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Name: 180227M1_71, Date: 28-Feb-2018, Time: 08:42:17, ID: 1800340-04 WI-AF-EB02-021418 0.12032, Description: WI-AF-EB02-021418

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800340-04 WI-AF-EB02-021418 0.120...	9.85e3	65.9	NO
2	2 13C5-PFHxA	1800340-04 WI-AF-EB02-021418 0.120...	1.28e4	83.6	NO
3	3 13C3-PFHxS	1800340-04 WI-AF-EB02-021418 0.120...	3.36e3	82.2	NO
4	4 13C8-PFOA	1800340-04 WI-AF-EB02-021418 0.120...	1.09e4	109.4	NO
5	5 13C9-PFNA	1800340-04 WI-AF-EB02-021418 0.120...	1.02e4	65.3	NO
6	6 13C4-PFOS	1800340-04 WI-AF-EB02-021418 0.120...	3.67e3	99.8	NO
7	7 13C6-PFDA	1800340-04 WI-AF-EB02-021418 0.120...	1.24e4	87.7	NO
8	8 13C7-PFUdA	1800340-04 WI-AF-EB02-021418 0.120...	1.55e4	95.0	NO

Name: 180227M1_72, Date: 28-Feb-2018, Time: 08:53:47, ID: 1800340-05 WI-AF-MW-612-0218 0.12001, Description: WI-AF-MW-612-0218

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800340-05 WI-AF-MW-612-0218 0.12...	1.06e4	70.7	NO
2	2 13C5-PFHxA	1800340-05 WI-AF-MW-612-0218 0.12...	1.14e4	74.4	NO
3	3 13C3-PFHxS	1800340-05 WI-AF-MW-612-0218 0.12...	3.14e3	76.7	NO
4	4 13C8-PFOA	1800340-05 WI-AF-MW-612-0218 0.12...	1.11e4	111.7	NO
5	5 13C9-PFNA	1800340-05 WI-AF-MW-612-0218 0.12...	1.23e4	78.7	NO
6	6 13C4-PFOS	1800340-05 WI-AF-MW-612-0218 0.12...	3.17e3	86.2	NO
7	7 13C6-PFDA	1800340-05 WI-AF-MW-612-0218 0.12...	1.21e4	85.9	NO
8	8 13C7-PFUdA	1800340-05 WI-AF-MW-612-0218 0.12...	1.48e4	91.0	NO

Name: 180227M1_73, Date: 28-Feb-2018, Time: 09:05:16, ID: 1800340-06 WI-AF-EB02-021518 0.12104, Description: WI-AF-EB02-021518

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800340-06 WI-AF-EB02-021518 0.121...	1.01e4	67.5	NO
2	2 13C5-PFHxA	1800340-06 WI-AF-EB02-021518 0.121...	1.32e4	86.4	NO
3	3 13C3-PFHxS	1800340-06 WI-AF-EB02-021518 0.121...	3.39e3	82.8	NO
4	4 13C8-PFOA	1800340-06 WI-AF-EB02-021518 0.121...	1.05e4	105.0	NO
5	5 13C9-PFNA	1800340-06 WI-AF-EB02-021518 0.121...	9.88e3	63.1	NO
6	6 13C4-PFOS	1800340-06 WI-AF-EB02-021518 0.121...	3.84e3	104.5	NO
7	7 13C6-PFDA	1800340-06 WI-AF-EB02-021518 0.121...	1.23e4	86.6	NO
8	8 13C7-PFUdA	1800340-06 WI-AF-EB02-021518 0.121...	1.64e4	100.4	NO

Name: 180227M1_74, Date: 28-Feb-2018, Time: 09:16:42, ID: 1800340-07 WI-AF-MW-608-0218 0.11965, Description: WI-AF-MW-608-0218

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1800340-07 WI-AF-MW-608-0218 0.11...	1.09e4	72.7	NO
2	2 13C5-PFHxA	1800340-07 WI-AF-MW-608-0218 0.11...	1.23e4	80.3	NO
3	3 13C3-PFHxS	1800340-07 WI-AF-MW-608-0218 0.11...	3.02e3	73.7	NO
4	4 13C8-PFOA	1800340-07 WI-AF-MW-608-0218 0.11...	9.54e3	95.8	NO
5	5 13C9-PFNA	1800340-07 WI-AF-MW-608-0218 0.11...	1.21e4	77.4	NO
6	6 13C4-PFOS	1800340-07 WI-AF-MW-608-0218 0.11...	3.54e3	96.2	NO
7	7 13C6-PFDA	1800340-07 WI-AF-MW-608-0218 0.11...	1.37e4	96.9	NO
8	8 13C7-PFUdA	1800340-07 WI-AF-MW-608-0218 0.11...	1.44e4	88.6	NO

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Name: 180227M1_75, Date: 28-Feb-2018, Time: 09:28:12, ID: 1800340-08 WI-AF-MW-606-0218 0.11972, Description: WI-AF-MW-606-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800340-08 WI-AF-MW-606-0218 0.11...	1.00e4	67.0	NO
2	2	13C5-PFHxA	1800340-08 WI-AF-MW-606-0218 0.11...	1.19e4	77.5	NO
3	3	13C3-PFHxS	1800340-08 WI-AF-MW-606-0218 0.11...	3.00e3	73.3	NO
4	4	13C8-PFOA	1800340-08 WI-AF-MW-606-0218 0.11...	9.35e3	93.9	NO
5	5	13C9-PFNA	1800340-08 WI-AF-MW-606-0218 0.11...	9.97e3	63.7	NO
6	6	13C4-PFOS	1800340-08 WI-AF-MW-606-0218 0.11...	2.88e3	78.3	NO
7	7	13C6-PFDA	1800340-08 WI-AF-MW-606-0218 0.11...	1.26e4	89.0	NO
8	8	13C7-PFUdA	1800340-08 WI-AF-MW-606-0218 0.11...	1.55e4	95.2	NO

Name: 180227M1_76, Date: 28-Feb-2018, Time: 09:39:41, ID: 1800340-09 WI-AF-MW-606P-0218 0.11838, Description: WI-AF-MW-606P-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800340-09 WI-AF-MW-606P-0218 0.1...	1.08e4	72.1	NO
2	2	13C5-PFHxA	1800340-09 WI-AF-MW-606P-0218 0.1...	1.10e4	72.0	NO
3	3	13C3-PFHxS	1800340-09 WI-AF-MW-606P-0218 0.1...	3.62e3	88.5	NO
4	4	13C8-PFOA	1800340-09 WI-AF-MW-606P-0218 0.1...	1.18e4	118.5	NO
5	5	13C9-PFNA	1800340-09 WI-AF-MW-606P-0218 0.1...	1.14e4	72.5	NO
6	6	13C4-PFOS	1800340-09 WI-AF-MW-606P-0218 0.1...	3.04e3	82.7	NO
7	7	13C6-PFDA	1800340-09 WI-AF-MW-606P-0218 0.1...	1.67e4	118.1	NO
8	8	13C7-PFUdA	1800340-09 WI-AF-MW-606P-0218 0.1...	1.41e4	86.5	NO

Name: 180227M1_77, Date: 28-Feb-2018, Time: 09:51:11, ID: 1800340-10 WI-AF-FB02-021618 0.12267, Description: WI-AF-FB02-021618

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800340-10 WI-AF-FB02-021618 0.122...	1.06e4	71.2	NO
2	2	13C5-PFHxA	1800340-10 WI-AF-FB02-021618 0.122...	1.28e4	83.7	NO
3	3	13C3-PFHxS	1800340-10 WI-AF-FB02-021618 0.122...	3.22e3	78.8	NO
4	4	13C8-PFOA	1800340-10 WI-AF-FB02-021618 0.122...	9.99e3	100.3	NO
5	5	13C9-PFNA	1800340-10 WI-AF-FB02-021618 0.122...	1.29e4	82.2	NO
6	6	13C4-PFOS	1800340-10 WI-AF-FB02-021618 0.122...	3.45e3	93.8	NO
7	7	13C6-PFDA	1800340-10 WI-AF-FB02-021618 0.122...	1.23e4	87.0	NO
8	8	13C7-PFUdA	1800340-10 WI-AF-FB02-021618 0.122...	1.64e4	100.7	NO

Name: 180227M1_78, Date: 28-Feb-2018, Time: 10:02:41, ID: 1800340-11 WI-AF-MW-607-0218 0.11368, Description: WI-AF-MW-607-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800340-11 WI-AF-MW-607-0218 0.113...	9.29e3	62.2	NO
2	2	13C5-PFHxA	1800340-11 WI-AF-MW-607-0218 0.113...	1.08e4	70.3	NO
3	3	13C3-PFHxS	1800340-11 WI-AF-MW-607-0218 0.113...	3.01e3	73.7	NO
4	4	13C8-PFOA	1800340-11 WI-AF-MW-607-0218 0.113...	8.65e3	86.9	NO
5	5	13C9-PFNA	1800340-11 WI-AF-MW-607-0218 0.113...	1.04e4	66.3	NO
6	6	13C4-PFOS	1800340-11 WI-AF-MW-607-0218 0.113...	3.10e3	84.3	NO
7	7	13C6-PFDA	1800340-11 WI-AF-MW-607-0218 0.113...	1.10e4	77.5	NO
8	8	13C7-PFUdA	1800340-11 WI-AF-MW-607-0218 0.113...	1.46e4	89.8	NO

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Name: 180227M1_79, Date: 28-Feb-2018, Time: 10:14:10, ID: 1800340-12 WI-AF-MW-605-0218 0.11974, Description: WI-AF-MW-605-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800340-12 WI-AF-MW-605-0218 0.11...	1.10e4	73.4	NO
2	2	13C5-PFHxA	1800340-12 WI-AF-MW-605-0218 0.11...	1.20e4	78.5	NO
3	3	13C3-PFHxS	1800340-12 WI-AF-MW-605-0218 0.11...	3.14e3	76.7	NO
4	4	13C8-PFOA	1800340-12 WI-AF-MW-605-0218 0.11...	1.11e4	111.5	NO
5	5	13C9-PFNA	1800340-12 WI-AF-MW-605-0218 0.11...	1.07e4	68.3	NO
6	6	13C4-PFOS	1800340-12 WI-AF-MW-605-0218 0.11...	3.10e3	84.2	NO
7	7	13C6-PFDA	1800340-12 WI-AF-MW-605-0218 0.11...	1.35e4	95.5	NO
8	8	13C7-PFUdA	1800340-12 WI-AF-MW-605-0218 0.11...	1.43e4	87.9	NO

Name: 180227M1_80, Date: 28-Feb-2018, Time: 10:25:40, ID: 1800340-13 WI-AF-MW-609-0218 0.11956, Description: WI-AF-MW-609-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800340-13 WI-AF-MW-609-0218 0.11...	1.07e4	71.7	NO
2	2	13C5-PFHxA	1800340-13 WI-AF-MW-609-0218 0.11...	1.22e4	79.6	NO
3	3	13C3-PFHxS	1800340-13 WI-AF-MW-609-0218 0.11...	3.03e3	74.2	NO
4	4	13C8-PFOA	1800340-13 WI-AF-MW-609-0218 0.11...	9.94e3	99.9	NO
5	5	13C9-PFNA	1800340-13 WI-AF-MW-609-0218 0.11...	1.08e4	69.1	NO
6	6	13C4-PFOS	1800340-13 WI-AF-MW-609-0218 0.11...	3.67e3	99.8	NO
7	7	13C6-PFDA	1800340-13 WI-AF-MW-609-0218 0.11...	1.27e4	90.1	NO
8	8	13C7-PFUdA	1800340-13 WI-AF-MW-609-0218 0.11...	1.51e4	92.6	NO

Name: 180227M1_81, Date: 28-Feb-2018, Time: 10:37:10, ID: 1800341-01 WI-AF-MW-N3-12-0218 0.11794, Description: WI-AF-MW-N3-12-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800341-01 WI-AF-MW-N3-12-0218 0....	1.17e4	78.6	NO
2	2	13C5-PFHxA	1800341-01 WI-AF-MW-N3-12-0218 0....	1.27e4	82.8	NO
3	3	13C3-PFHxS	1800341-01 WI-AF-MW-N3-12-0218 0....	3.21e3	78.4	NO
4	4	13C8-PFOA	1800341-01 WI-AF-MW-N3-12-0218 0....	1.12e4	112.9	NO
5	5	13C9-PFNA	1800341-01 WI-AF-MW-N3-12-0218 0....	1.26e4	80.2	NO
6	6	13C4-PFOS	1800341-01 WI-AF-MW-N3-12-0218 0....	3.20e3	87.1	NO
7	7	13C6-PFDA	1800341-01 WI-AF-MW-N3-12-0218 0....	1.40e4	99.3	NO
8	8	13C7-PFUdA	1800341-01 WI-AF-MW-N3-12-0218 0....	1.44e4	88.5	NO

Name: 180227M1_82, Date: 28-Feb-2018, Time: 10:48:39, ID: 1800341-02 WI-AF-3-MW-2-0218 0.12097, Description: WI-AF-3-MW-2-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800341-02 WI-AF-3-MW-2-0218 0.120...	8.61e3	57.6	NO
2	2	13C5-PFHxA	1800341-02 WI-AF-3-MW-2-0218 0.120...	1.03e4	67.5	NO
3	3	13C3-PFHxS	1800341-02 WI-AF-3-MW-2-0218 0.120...	3.34e3	81.7	NO
4	4	13C8-PFOA	1800341-02 WI-AF-3-MW-2-0218 0.120...	9.46e3	95.0	NO
5	5	13C9-PFNA	1800341-02 WI-AF-3-MW-2-0218 0.120...	1.07e4	68.6	NO
6	6	13C4-PFOS	1800341-02 WI-AF-3-MW-2-0218 0.120...	2.97e3	80.6	NO
7	7	13C6-PFDA	1800341-02 WI-AF-3-MW-2-0218 0.120...	1.16e4	81.8	NO
8	8	13C7-PFUdA	1800341-02 WI-AF-3-MW-2-0218 0.120...	1.42e4	87.4	NO

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Name: 180227M1_83, Date: 28-Feb-2018, Time: 11:00:08, ID: 1800341-03 WI-AF-N29-22D-0218 0.11995, Description: WI-AF-N29-22D-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800341-03 WI-AF-N29-22D-0218 0.11...	9.92e3	66.4	NO
2	2	13C5-PFHxA	1800341-03 WI-AF-N29-22D-0218 0.11...	1.12e4	73.1	NO
3	3	13C3-PFHxS	1800341-03 WI-AF-N29-22D-0218 0.11...	2.32e3	56.8	NO
4	4	13C8-PFOA	1800341-03 WI-AF-N29-22D-0218 0.11...	8.61e3	86.5	NO
5	5	13C9-PFNA	1800341-03 WI-AF-N29-22D-0218 0.11...	1.15e4	73.2	NO
6	6	13C4-PFOS	1800341-03 WI-AF-N29-22D-0218 0.11...	2.87e3	78.0	NO
7	7	13C6-PFDA	1800341-03 WI-AF-N29-22D-0218 0.11...	1.25e4	88.6	NO
8	8	13C7-PFUdA	1800341-03 WI-AF-N29-22D-0218 0.11...	1.25e4	76.7	NO

Name: 180227M1_84, Date: 28-Feb-2018, Time: 11:11:38, ID: 1800341-04 WI-AF-FB01-021918 0.11668, Description: WI-AF-FB01-021918

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800341-04 WI-AF-FB01-021918 0.116...	9.64e3	64.5	NO
2	2	13C5-PFHxA	1800341-04 WI-AF-FB01-021918 0.116...	1.14e4	74.7	NO
3	3	13C3-PFHxS	1800341-04 WI-AF-FB01-021918 0.116...	3.12e3	76.2	NO
4	4	13C8-PFOA	1800341-04 WI-AF-FB01-021918 0.116...	9.78e3	98.3	NO
5	5	13C9-PFNA	1800341-04 WI-AF-FB01-021918 0.116...	1.09e4	69.5	NO
6	6	13C4-PFOS	1800341-04 WI-AF-FB01-021918 0.116...	2.96e3	80.5	NO
7	7	13C6-PFDA	1800341-04 WI-AF-FB01-021918 0.116...	1.19e4	84.1	NO
8	8	13C7-PFUdA	1800341-04 WI-AF-FB01-021918 0.116...	1.61e4	98.4	NO

Name: 180227M1_85, Date: 28-Feb-2018, Time: 11:23:07, ID: 1800341-05 WI-AF-EB01-021918 0.12143, Description: WI-AF-EB01-021918

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800341-05 WI-AF-EB01-021918 0.121...	9.70e3	64.9	NO
2	2	13C5-PFHxA	1800341-05 WI-AF-EB01-021918 0.121...	9.92e3	64.9	NO
3	3	13C3-PFHxS	1800341-05 WI-AF-EB01-021918 0.121...	3.21e3	78.4	NO
4	4	13C8-PFOA	1800341-05 WI-AF-EB01-021918 0.121...	9.63e3	96.7	NO
5	5	13C9-PFNA	1800341-05 WI-AF-EB01-021918 0.121...	9.97e3	63.7	NO
6	6	13C4-PFOS	1800341-05 WI-AF-EB01-021918 0.121...	2.99e3	81.4	NO
7	7	13C6-PFDA	1800341-05 WI-AF-EB01-021918 0.121...	1.01e4	71.4	NO
8	8	13C7-PFUdA	1800341-05 WI-AF-EB01-021918 0.121...	1.33e4	81.3	NO

Name: 180227M1_86, Date: 28-Feb-2018, Time: 11:34:36, ID: 1800342-20 WI-AF-MW-200-0218 0.11976, Description: WI-AF-MW-200-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800342-20 WI-AF-MW-200-0218 0.11...	9.98e3	66.8	NO
2	2	13C5-PFHxA	1800342-20 WI-AF-MW-200-0218 0.11...	1.14e4	74.7	NO
3	3	13C3-PFHxS	1800342-20 WI-AF-MW-200-0218 0.11...	2.81e3	68.6	NO
4	4	13C8-PFOA	1800342-20 WI-AF-MW-200-0218 0.11...	1.08e4	108.4	NO
5	5	13C9-PFNA	1800342-20 WI-AF-MW-200-0218 0.11...	1.06e4	68.0	NO
6	6	13C4-PFOS	1800342-20 WI-AF-MW-200-0218 0.11...	2.71e3	73.6	NO
7	7	13C6-PFDA	1800342-20 WI-AF-MW-200-0218 0.11...	1.45e4	102.6	NO
8	8	13C7-PFUdA	1800342-20 WI-AF-MW-200-0218 0.11...	1.22e4	74.8	NO

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_RS-2-5-18.mdb 06 Feb 2018 10:46:28
Calibration: 01 Mar 2018 11:51:22

Name: 180227M1_87, Date: 28-Feb-2018, Time: 11:46:03, 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: 180227M1_88, Date: 28-Feb-2018, Time: 11:57:30, ID: ST180227M1-13 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180227M1-13 PFC CS3 18B2317	1.44e4	96.5	NO
2	2	13C5-PFHxA	ST180227M1-13 PFC CS3 18B2317	1.72e4	112.5	NO
3	3	13C3-PFHxS	ST180227M1-13 PFC CS3 18B2317	3.88e3	94.7	NO
4	4	13C8-PFOA	ST180227M1-13 PFC CS3 18B2317	1.38e4	138.9	NO
5	5	13C9-PFNA	ST180227M1-13 PFC CS3 18B2317	1.54e4	98.4	NO
6	6	13C4-PFOS	ST180227M1-13 PFC CS3 18B2317	3.47e3	94.5	NO
7	7	13C6-PFDA	ST180227M1-13 PFC CS3 18B2317	1.72e4	121.6	NO
8	8	13C7-PFUdA	ST180227M1-13 PFC CS3 18B2317	2.02e4	123.7	NO

Name: 180227M1_89, Date: 28-Feb-2018, Time: 12:08:57, 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: 180227M1_90, Date: 28-Feb-2018, Time: 12:20:24, ID: 1800342-21 WI-AF-EB01-021818 0.12006, Description: WI-AF-EB01-021818

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800342-21 WI-AF-EB01-021818 0.120...	8.81e3	59.0	NO
2	2	13C5-PFHxA	1800342-21 WI-AF-EB01-021818 0.120...	1.04e4	67.7	NO
3	3	13C3-PFHxS	1800342-21 WI-AF-EB01-021818 0.120...	2.98e3	73.0	NO
4	4	13C8-PFOA	1800342-21 WI-AF-EB01-021818 0.120...	9.15e3	91.9	NO
5	5	13C9-PFNA	1800342-21 WI-AF-EB01-021818 0.120...	1.05e4	67.1	NO
6	6	13C4-PFOS	1800342-21 WI-AF-EB01-021818 0.120...	3.54e3	96.2	NO
7	7	13C6-PFDA	1800342-21 WI-AF-EB01-021818 0.120...	1.23e4	86.6	NO
8	8	13C7-PFUdA	1800342-21 WI-AF-EB01-021818 0.120...	1.48e4	90.6	NO

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Name: 180227M1_91, Date: 28-Feb-2018, Time: 12:31:51, ID: B8B0129-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0129-BS1 OPR 0.125	9.84e3	65.8	NO
2	2	13C5-PFHxA	B8B0129-BS1 OPR 0.125	1.13e4	74.0	NO
3	3	13C3-PFHxS	B8B0129-BS1 OPR 0.125	3.37e3	82.3	NO
4	4	13C8-PFOA	B8B0129-BS1 OPR 0.125	1.06e4	106.8	NO
5	5	13C9-PFNA	B8B0129-BS1 OPR 0.125	9.68e3	61.8	NO
6	6	13C4-PFOS	B8B0129-BS1 OPR 0.125	3.12e3	84.7	NO
7	7	13C6-PFDA	B8B0129-BS1 OPR 0.125	1.17e4	82.7	NO
8	8	13C7-PFUdA	B8B0129-BS1 OPR 0.125	1.26e4	77.3	NO

Name: 180227M1_92, Date: 28-Feb-2018, Time: 12:43:17, ID: B8B0129-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0129-BLK1 Method Blank 0.125	9.31e3	62.3	NO
2	2	13C5-PFHxA	B8B0129-BLK1 Method Blank 0.125	1.09e4	71.5	NO
3	3	13C3-PFHxS	B8B0129-BLK1 Method Blank 0.125	3.38e3	82.7	NO
4	4	13C8-PFOA	B8B0129-BLK1 Method Blank 0.125	1.04e4	104.5	NO
5	5	13C9-PFNA	B8B0129-BLK1 Method Blank 0.125	9.64e3	61.6	NO
6	6	13C4-PFOS	B8B0129-BLK1 Method Blank 0.125	3.22e3	87.6	NO
7	7	13C6-PFDA	B8B0129-BLK1 Method Blank 0.125	1.21e4	85.3	NO
8	8	13C7-PFUdA	B8B0129-BLK1 Method Blank 0.125	1.37e4	84.3	NO

Name: 180227M1_93, Date: 28-Feb-2018, Time: 12:54:44, ID: B8B0129-MS1 Matrix Spike 0.11962, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0129-MS1 Matrix Spike 0.11962	9.37e3	62.7	NO
2	2	13C5-PFHxA	B8B0129-MS1 Matrix Spike 0.11962	1.12e4	73.2	NO
3	3	13C3-PFHxS	B8B0129-MS1 Matrix Spike 0.11962	3.42e3	83.5	NO
4	4	13C8-PFOA	B8B0129-MS1 Matrix Spike 0.11962	8.73e3	87.7	NO
5	5	13C9-PFNA	B8B0129-MS1 Matrix Spike 0.11962	9.36e3	59.8	NO
6	6	13C4-PFOS	B8B0129-MS1 Matrix Spike 0.11962	3.55e3	96.6	NO
7	7	13C6-PFDA	B8B0129-MS1 Matrix Spike 0.11962	1.16e4	82.3	NO
8	8	13C7-PFUdA	B8B0129-MS1 Matrix Spike 0.11962	1.43e4	88.0	NO

Name: 180227M1_94, Date: 28-Feb-2018, Time: 13:06:11, ID: B8B0129-MSD1 Matrix Spike Dup 0.12145, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8B0129-MSD1 Matrix Spike Dup 0.121...	6.70e3	44.9	YES
2	2	13C5-PFHxA	B8B0129-MSD1 Matrix Spike Dup 0.121...	7.48e3	48.9	YES
3	3	13C3-PFHxS	B8B0129-MSD1 Matrix Spike Dup 0.121...	3.04e3	74.2	NO
4	4	13C8-PFOA	B8B0129-MSD1 Matrix Spike Dup 0.121...	6.46e3	64.9	NO
5	5	13C9-PFNA	B8B0129-MSD1 Matrix Spike Dup 0.121...	7.81e3	49.9	YES
6	6	13C4-PFOS	B8B0129-MSD1 Matrix Spike Dup 0.121...	2.88e3	78.4	NO
7	7	13C6-PFDA	B8B0129-MSD1 Matrix Spike Dup 0.121...	9.61e3	67.9	NO
8	8	13C7-PFUdA	B8B0129-MSD1 Matrix Spike Dup 0.121...	1.28e4	78.6	NO

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Name: 180227M1_95, Date: 28-Feb-2018, Time: 13:17:38, ID: 1800332-01 OF-RW42B-MID01-0218 0.11601, Description: OF-RW42B-MID01-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-01 OF-RW42B-MID01-0218 0....	6.55e3	43.8	YES
2	2	13C5-PFHxA	1800332-01 OF-RW42B-MID01-0218 0....	7.97e3	52.1	NO
3	3	13C3-PFHxS	1800332-01 OF-RW42B-MID01-0218 0....	3.15e3	77.0	NO
4	4	13C8-PFOA	1800332-01 OF-RW42B-MID01-0218 0....	7.65e3	76.8	NO
5	5	13C9-PFNA	1800332-01 OF-RW42B-MID01-0218 0....	7.39e3	47.2	YES
6	6	13C4-PFOS	1800332-01 OF-RW42B-MID01-0218 0....	2.85e3	77.5	NO
7	7	13C6-PFDA	1800332-01 OF-RW42B-MID01-0218 0....	1.21e4	85.4	NO
8	8	13C7-PFUdA	1800332-01 OF-RW42B-MID01-0218 0....	1.29e4	79.1	NO

Name: 180227M1_96, Date: 28-Feb-2018, Time: 13:29:08, ID: 1800332-02 OF-RW42B-EFF01-0218 0.1211, Description: OF-RW42B-EFF01-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-02 OF-RW42B-EFF01-0218 0....	8.52e3	57.0	NO
2	2	13C5-PFHxA	1800332-02 OF-RW42B-EFF01-0218 0....	1.03e4	67.5	NO
3	3	13C3-PFHxS	1800332-02 OF-RW42B-EFF01-0218 0....	3.12e3	76.3	NO
4	4	13C8-PFOA	1800332-02 OF-RW42B-EFF01-0218 0....	7.66e3	77.0	NO
5	5	13C9-PFNA	1800332-02 OF-RW42B-EFF01-0218 0....	1.02e4	65.2	NO
6	6	13C4-PFOS	1800332-02 OF-RW42B-EFF01-0218 0....	2.84e3	77.1	NO
7	7	13C6-PFDA	1800332-02 OF-RW42B-EFF01-0218 0....	1.13e4	79.7	NO
8	8	13C7-PFUdA	1800332-02 OF-RW42B-EFF01-0218 0....	1.31e4	80.4	NO

Name: 180227M1_97, Date: 28-Feb-2018, Time: 13:40:38, ID: 1800332-03 OF-RW42B-FB01-0218 0.12204, Description: OF-RW42B-FB01-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-03 OF-RW42B-FB01-0218 0.1...	1.01e4	67.7	NO
2	2	13C5-PFHxA	1800332-03 OF-RW42B-FB01-0218 0.1...	1.11e4	72.3	NO
3	3	13C3-PFHxS	1800332-03 OF-RW42B-FB01-0218 0.1...	3.57e3	87.4	NO
4	4	13C8-PFOA	1800332-03 OF-RW42B-FB01-0218 0.1...	1.10e4	110.5	NO
5	5	13C9-PFNA	1800332-03 OF-RW42B-FB01-0218 0.1...	1.15e4	73.2	NO
6	6	13C4-PFOS	1800332-03 OF-RW42B-FB01-0218 0.1...	3.40e3	92.4	NO
7	7	13C6-PFDA	1800332-03 OF-RW42B-FB01-0218 0.1...	1.31e4	92.4	NO
8	8	13C7-PFUdA	1800332-03 OF-RW42B-FB01-0218 0.1...	1.69e4	103.6	NO

Name: 180227M1_98, Date: 28-Feb-2018, Time: 13:52:07, ID: 1800332-04 OF-RW42C-INF01-0218 0.1208, Description: OF-RW42C-INF01-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-04 OF-RW42C-INF01-0218 0....	1.03e4	68.7	NO
2	2	13C5-PFHxA	1800332-04 OF-RW42C-INF01-0218 0....	1.18e4	77.2	NO
3	3	13C3-PFHxS	1800332-04 OF-RW42C-INF01-0218 0....	3.16e3	77.3	NO
4	4	13C8-PFOA	1800332-04 OF-RW42C-INF01-0218 0....	9.49e3	95.3	NO
5	5	13C9-PFNA	1800332-04 OF-RW42C-INF01-0218 0....	1.11e4	70.9	NO
6	6	13C4-PFOS	1800332-04 OF-RW42C-INF01-0218 0....	2.92e3	79.4	NO
7	7	13C6-PFDA	1800332-04 OF-RW42C-INF01-0218 0....	1.28e4	90.4	NO
8	8	13C7-PFUdA	1800332-04 OF-RW42C-INF01-0218 0....	1.47e4	90.0	NO

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Name: 180227M1_99, Date: 28-Feb-2018, Time: 14:03:37, ID: 1800332-05 OF-RW42C-MID01-0218 0.12063, Description: OF-RW42C-MID01-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-05 OF-RW42C-MID01-0218 0....	9.80e3	65.6	NO
2	2	13C5-PFHxA	1800332-05 OF-RW42C-MID01-0218 0....	1.12e4	73.0	NO
3	3	13C3-PFHxS	1800332-05 OF-RW42C-MID01-0218 0....	2.81e3	68.6	NO
4	4	13C8-PFOA	1800332-05 OF-RW42C-MID01-0218 0....	1.13e4	113.1	NO
5	5	13C9-PFNA	1800332-05 OF-RW42C-MID01-0218 0....	1.08e4	69.3	NO
6	6	13C4-PFOS	1800332-05 OF-RW42C-MID01-0218 0....	3.24e3	88.0	NO
7	7	13C6-PFDA	1800332-05 OF-RW42C-MID01-0218 0....	1.34e4	94.8	NO
8	8	13C7-PFUdA	1800332-05 OF-RW42C-MID01-0218 0....	1.58e4	96.7	NO

Name: 180227M1_100, Date: 28-Feb-2018, Time: 14:14:58, ID: 1800332-06 OF-RW42C-EFF01-0218 0.11886, Description: OF-RW42C-EFF01-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-06 OF-RW42C-EFF01-0218 0...	7.59e3	50.8	NO
2	2	13C5-PFHxA	1800332-06 OF-RW42C-EFF01-0218 0...	9.75e3	63.7	NO
3	3	13C3-PFHxS	1800332-06 OF-RW42C-EFF01-0218 0...	2.22e3	54.3	NO
4	4	13C8-PFOA	1800332-06 OF-RW42C-EFF01-0218 0...	9.33e3	93.8	NO
5	5	13C9-PFNA	1800332-06 OF-RW42C-EFF01-0218 0...	1.05e4	67.2	NO
6	6	13C4-PFOS	1800332-06 OF-RW42C-EFF01-0218 0...	3.43e3	93.2	NO
7	7	13C6-PFDA	1800332-06 OF-RW42C-EFF01-0218 0...	1.06e4	75.1	NO
8	8	13C7-PFUdA	1800332-06 OF-RW42C-EFF01-0218 0...	1.27e4	78.1	NO

Name: 180227M1_101, Date: 28-Feb-2018, Time: 14:26:25, ID: 1800332-07 OF-RW42C-FB01-0218 0.11859, Description: OF-RW42C-FB01-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-07 OF-RW42C-FB01-0218 0.1...	9.14e3	61.2	NO
2	2	13C5-PFHxA	1800332-07 OF-RW42C-FB01-0218 0.1...	1.07e4	70.2	NO
3	3	13C3-PFHxS	1800332-07 OF-RW42C-FB01-0218 0.1...	3.25e3	79.4	NO
4	4	13C8-PFOA	1800332-07 OF-RW42C-FB01-0218 0.1...	9.42e3	94.6	NO
5	5	13C9-PFNA	1800332-07 OF-RW42C-FB01-0218 0.1...	1.10e4	70.3	NO
6	6	13C4-PFOS	1800332-07 OF-RW42C-FB01-0218 0.1...	3.30e3	89.8	NO
7	7	13C6-PFDA	1800332-07 OF-RW42C-FB01-0218 0.1...	1.24e4	87.9	NO
8	8	13C7-PFUdA	1800332-07 OF-RW42C-FB01-0218 0.1...	1.33e4	81.8	NO

Name: 180227M1_102, Date: 28-Feb-2018, Time: 14:37:52, ID: 1800332-08 OF-INF01-WT-021418 0.11784, Description: OF-INF01-WT-021418

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-08 OF-INF01-WT-021418 0.11...	9.08e3	60.7	NO
2	2	13C5-PFHxA	1800332-08 OF-INF01-WT-021418 0.11...	1.16e4	75.7	NO
3	3	13C3-PFHxS	1800332-08 OF-INF01-WT-021418 0.11...	2.99e3	73.1	NO
4	4	13C8-PFOA	1800332-08 OF-INF01-WT-021418 0.11...	9.70e3	97.5	NO
5	5	13C9-PFNA	1800332-08 OF-INF01-WT-021418 0.11...	9.67e3	61.8	NO
6	6	13C4-PFOS	1800332-08 OF-INF01-WT-021418 0.11...	3.16e3	85.9	NO
7	7	13C6-PFDA	1800332-08 OF-INF01-WT-021418 0.11...	1.26e4	89.4	NO
8	8	13C7-PFUdA	1800332-08 OF-INF01-WT-021418 0.11...	1.54e4	94.7	NO

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Name: 180227M1_103, Date: 28-Feb-2018, Time: 14:49:19, ID: 1800332-09 OF-MID01-WT-021418 0.11976, Description: OF-MID01-WT-021418

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-09 OF-MID01-WT-021418 0.1...	8.95e3	59.9	NO
2	2	13C5-PFHxA	1800332-09 OF-MID01-WT-021418 0.1...	1.06e4	69.5	NO
3	3	13C3-PFHxS	1800332-09 OF-MID01-WT-021418 0.1...	2.96e3	72.3	NO
4	4	13C8-PFOA	1800332-09 OF-MID01-WT-021418 0.1...	8.16e3	82.0	NO
5	5	13C9-PFNA	1800332-09 OF-MID01-WT-021418 0.1...	9.88e3	63.1	NO
6	6	13C4-PFOS	1800332-09 OF-MID01-WT-021418 0.1...	3.36e3	91.4	NO
7	7	13C6-PFDA	1800332-09 OF-MID01-WT-021418 0.1...	1.18e4	83.3	NO
8	8	13C7-PFUdA	1800332-09 OF-MID01-WT-021418 0.1...	1.14e4	70.2	NO

Name: 180227M1_104, Date: 28-Feb-2018, Time: 15:00:46, ID: 1800332-10 OF-FB01-WT-021418 0.12199, Description: OF-FB01-WT-021418

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-10 OF-FB01-WT-021418 0.12...	8.93e3	59.8	NO
2	2	13C5-PFHxA	1800332-10 OF-FB01-WT-021418 0.12...	1.07e4	69.7	NO
3	3	13C3-PFHxS	1800332-10 OF-FB01-WT-021418 0.12...	2.90e3	70.8	NO
4	4	13C8-PFOA	1800332-10 OF-FB01-WT-021418 0.12...	9.92e3	99.7	NO
5	5	13C9-PFNA	1800332-10 OF-FB01-WT-021418 0.12...	1.14e4	72.9	NO
6	6	13C4-PFOS	1800332-10 OF-FB01-WT-021418 0.12...	2.95e3	80.2	NO
7	7	13C6-PFDA	1800332-10 OF-FB01-WT-021418 0.12...	1.16e4	81.9	NO
8	8	13C7-PFUdA	1800332-10 OF-FB01-WT-021418 0.12...	1.33e4	81.3	NO

Name: 180227M1_105, Date: 28-Feb-2018, Time: 15:12:12, ID: 1800332-11 OF-EFF01-WT-021418 0.12052, Description: OF-EFF01-WT-021418

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-11 OF-EFF01-WT-021418 0.1...	7.56e3	50.6	NO
2	2	13C5-PFHxA	1800332-11 OF-EFF01-WT-021418 0.1...	9.15e3	59.8	NO
3	3	13C3-PFHxS	1800332-11 OF-EFF01-WT-021418 0.1...	2.90e3	70.8	NO
4	4	13C8-PFOA	1800332-11 OF-EFF01-WT-021418 0.1...	8.63e3	86.7	NO
5	5	13C9-PFNA	1800332-11 OF-EFF01-WT-021418 0.1...	9.04e3	57.8	NO
6	6	13C4-PFOS	1800332-11 OF-EFF01-WT-021418 0.1...	2.95e3	80.2	NO
7	7	13C6-PFDA	1800332-11 OF-EFF01-WT-021418 0.1...	1.01e4	71.1	NO
8	8	13C7-PFUdA	1800332-11 OF-EFF01-WT-021418 0.1...	1.48e4	90.7	NO

Name: 180227M1_106, Date: 28-Feb-2018, Time: 15:23:42, ID: 1800332-12 OF-EFF01P-WT-021418 0.12067, Description: OF-EFF01P-WT-021418

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800332-12 OF-EFF01P-WT-021418 0....	8.81e3	58.9	NO
2	2	13C5-PFHxA	1800332-12 OF-EFF01P-WT-021418 0....	1.05e4	68.5	NO
3	3	13C3-PFHxS	1800332-12 OF-EFF01P-WT-021418 0....	2.88e3	70.3	NO
4	4	13C8-PFOA	1800332-12 OF-EFF01P-WT-021418 0....	9.86e3	99.1	NO
5	5	13C9-PFNA	1800332-12 OF-EFF01P-WT-021418 0....	1.26e4	80.3	NO
6	6	13C4-PFOS	1800332-12 OF-EFF01P-WT-021418 0....	2.95e3	80.3	NO
7	7	13C6-PFDA	1800332-12 OF-EFF01P-WT-021418 0....	1.34e4	94.6	NO
8	8	13C7-PFUdA	1800332-12 OF-EFF01P-WT-021418 0....	1.49e4	91.5	NO

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Name: 180227M1_107, Date: 28-Feb-2018, Time: 15:35:11, ID: 1800337-01 REEPDW189 0.12105, Description: REEPDW189

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800337-01 REEPDW189 0.12105	1.02e4	67.9	NO
2	2	13C5-PFHxA	1800337-01 REEPDW189 0.12105	1.17e4	76.2	NO
3	3	13C3-PFHxS	1800337-01 REEPDW189 0.12105	2.98e3	73.0	NO
4	4	13C8-PFOA	1800337-01 REEPDW189 0.12105	8.68e3	87.2	NO
5	5	13C9-PFNA	1800337-01 REEPDW189 0.12105	1.16e4	74.0	NO
6	6	13C4-PFOS	1800337-01 REEPDW189 0.12105	3.43e3	93.3	NO
7	7	13C6-PFDA	1800337-01 REEPDW189 0.12105	1.24e4	87.5	NO
8	8	13C7-PFUdA	1800337-01 REEPDW189 0.12105	1.22e4	74.8	NO

Name: 180227M1_108, Date: 28-Feb-2018, Time: 15:46:41, ID: 1800338-01 REEPDW189FRB 0.12225, Description: REEPDW189FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800338-01 REEPDW189FRB 0.12225	9.48e3	63.5	NO
2	2	13C5-PFHxA	1800338-01 REEPDW189FRB 0.12225	1.18e4	77.4	NO
3	3	13C3-PFHxS	1800338-01 REEPDW189FRB 0.12225	3.23e3	79.0	NO
4	4	13C8-PFOA	1800338-01 REEPDW189FRB 0.12225	9.38e3	94.2	NO
5	5	13C9-PFNA	1800338-01 REEPDW189FRB 0.12225	1.08e4	68.9	NO
6	6	13C4-PFOS	1800338-01 REEPDW189FRB 0.12225	2.92e3	79.4	NO
7	7	13C6-PFDA	1800338-01 REEPDW189FRB 0.12225	1.49e4	105.2	NO
8	8	13C7-PFUdA	1800338-01 REEPDW189FRB 0.12225	1.49e4	91.4	NO

Name: 180227M1_109, Date: 28-Feb-2018, Time: 15:58:10, 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	5.30e0	0.1	YES
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: 180227M1_110, Date: 28-Feb-2018, Time: 16:09:37, ID: ST180227M1-14 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180227M1-14 PFC CS3 18B2317	1.30e4	87.2	NO
2	2	13C5-PFHxA	ST180227M1-14 PFC CS3 18B2317	1.65e4	108.0	NO
3	3	13C3-PFHxS	ST180227M1-14 PFC CS3 18B2317	4.10e3	100.3	NO
4	4	13C8-PFOA	ST180227M1-14 PFC CS3 18B2317	1.49e4	149.3	NO
5	5	13C9-PFNA	ST180227M1-14 PFC CS3 18B2317	1.46e4	93.5	NO
6	6	13C4-PFOS	ST180227M1-14 PFC CS3 18B2317	4.02e3	109.3	NO
7	7	13C6-PFDA	ST180227M1-14 PFC CS3 18B2317	1.69e4	119.5	NO
8	8	13C7-PFUdA	ST180227M1-14 PFC CS3 18B2317	1.73e4	105.9	NO

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Name: 180227M1_111, Date: 28-Feb-2018, Time: 16:21:07, 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	8.47e0	0.1	YES
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: 180227M1_112, Date: 28-Feb-2018, Time: 16:32:36, ID: 1800339-01 WI-A06-MW-06-0218 0.11846, Description: WI-A06-MW-06-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800339-01 WI-A06-MW-06-0218 0.118...	8.70e3	58.2	NO
2	2	13C5-PFHxA	1800339-01 WI-A06-MW-06-0218 0.118...	1.03e4	67.3	NO
3	3	13C3-PFHxS	1800339-01 WI-A06-MW-06-0218 0.118...	2.74e3	67.0	NO
4	4	13C8-PFOA	1800339-01 WI-A06-MW-06-0218 0.118...	9.45e3	94.9	NO
5	5	13C9-PFNA	1800339-01 WI-A06-MW-06-0218 0.118...	9.39e3	60.0	NO
6	6	13C4-PFOS	1800339-01 WI-A06-MW-06-0218 0.118...	3.46e3	94.0	NO
7	7	13C6-PFDA	1800339-01 WI-A06-MW-06-0218 0.118...	1.13e4	79.8	NO
8	8	13C7-PFUdA	1800339-01 WI-A06-MW-06-0218 0.118...	1.43e4	87.7	NO

Name: 180227M1_113, Date: 28-Feb-2018, Time: 16:44:06, ID: 1800339-02 WI-A06-FB01-021618 0.12165, Description: WI-A06-FB01-021618

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800339-02 WI-A06-FB01-021618 0.12...	8.91e3	59.6	NO
2	2	13C5-PFHxA	1800339-02 WI-A06-FB01-021618 0.12...	1.02e4	66.4	NO
3	3	13C3-PFHxS	1800339-02 WI-A06-FB01-021618 0.12...	2.86e3	69.9	NO
4	4	13C8-PFOA	1800339-02 WI-A06-FB01-021618 0.12...	1.02e4	102.9	NO
5	5	13C9-PFNA	1800339-02 WI-A06-FB01-021618 0.12...	1.01e4	64.6	NO
6	6	13C4-PFOS	1800339-02 WI-A06-FB01-021618 0.12...	2.64e3	71.8	NO
7	7	13C6-PFDA	1800339-02 WI-A06-FB01-021618 0.12...	1.06e4	74.9	NO
8	8	13C7-PFUdA	1800339-02 WI-A06-FB01-021618 0.12...	1.20e4	73.7	NO

Name: 180227M1_114, Date: 28-Feb-2018, Time: 16:55:33, ID: 1800339-03 WI-A06-EB01-021618 0.12121, Description: WI-A06-EB01-021618

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800339-03 WI-A06-EB01-021618 0.12...	9.48e3	63.4	NO
2	2	13C5-PFHxA	1800339-03 WI-A06-EB01-021618 0.12...	1.01e4	65.7	NO
3	3	13C3-PFHxS	1800339-03 WI-A06-EB01-021618 0.12...	2.87e3	70.3	NO
4	4	13C8-PFOA	1800339-03 WI-A06-EB01-021618 0.12...	9.58e3	96.3	NO
5	5	13C9-PFNA	1800339-03 WI-A06-EB01-021618 0.12...	1.07e4	68.6	NO
6	6	13C4-PFOS	1800339-03 WI-A06-EB01-021618 0.12...	3.19e3	86.9	NO
7	7	13C6-PFDA	1800339-03 WI-A06-EB01-021618 0.12...	1.16e4	82.2	NO
8	8	13C7-PFUdA	1800339-03 WI-A06-EB01-021618 0.12...	1.63e4	100.0	NO

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Name: 180227M1_115, Date: 28-Feb-2018, Time: 17:07:03, ID: 1800339-04 WI-A06-S-01-0218 0.12143, Description: WI-A06-S-01-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800339-04 WI-A06-S-01-0218 0.12143	8.50e3	56.9	NO
2	2	13C5-PFHxA	1800339-04 WI-A06-S-01-0218 0.12143	9.57e3	62.6	NO
3	3	13C3-PFHxS	1800339-04 WI-A06-S-01-0218 0.12143	2.73e3	66.6	NO
4	4	13C8-PFOA	1800339-04 WI-A06-S-01-0218 0.12143	9.95e3	99.9	NO
5	5	13C9-PFNA	1800339-04 WI-A06-S-01-0218 0.12143	1.08e4	69.0	NO
6	6	13C4-PFOS	1800339-04 WI-A06-S-01-0218 0.12143	3.06e3	83.3	NO
7	7	13C6-PFDA	1800339-04 WI-A06-S-01-0218 0.12143	1.10e4	77.9	NO
8	8	13C7-PFUdA	1800339-04 WI-A06-S-01-0218 0.12143	1.30e4	79.6	NO

Name: 180227M1_116, Date: 28-Feb-2018, Time: 17:18:32, ID: 1800339-05 WI-A06-S-01P-0218 0.12184, Description: WI-A06-S-01P-0218

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800339-05 WI-A06-S-01P-0218 0.12184	8.21e3	55.0	NO
2	2	13C5-PFHxA	1800339-05 WI-A06-S-01P-0218 0.12184	9.84e3	64.3	NO
3	3	13C3-PFHxS	1800339-05 WI-A06-S-01P-0218 0.12184	2.77e3	67.8	NO
4	4	13C8-PFOA	1800339-05 WI-A06-S-01P-0218 0.12184	8.05e3	80.9	NO
5	5	13C9-PFNA	1800339-05 WI-A06-S-01P-0218 0.12184	9.60e3	61.3	NO
6	6	13C4-PFOS	1800339-05 WI-A06-S-01P-0218 0.12184	3.20e3	87.0	NO
7	7	13C6-PFDA	1800339-05 WI-A06-S-01P-0218 0.12184	1.02e4	72.4	NO
8	8	13C7-PFUdA	1800339-05 WI-A06-S-01P-0218 0.12184	1.20e4	73.7	NO

Name: 180227M1_117, Date: 28-Feb-2018, Time: 17:30:02, ID: 1800339-06 WI-A06-FB01-021918 0.12222, Description: WI-A06-FB01-021918

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800339-06 WI-A06-FB01-021918 0.12...	8.53e3	57.1	NO
2	2	13C5-PFHxA	1800339-06 WI-A06-FB01-021918 0.12...	1.10e4	71.8	NO
3	3	13C3-PFHxS	1800339-06 WI-A06-FB01-021918 0.12...	3.11e3	76.1	NO
4	4	13C8-PFOA	1800339-06 WI-A06-FB01-021918 0.12...	8.63e3	86.7	NO
5	5	13C9-PFNA	1800339-06 WI-A06-FB01-021918 0.12...	1.00e4	64.2	NO
6	6	13C4-PFOS	1800339-06 WI-A06-FB01-021918 0.12...	3.43e3	93.3	NO
7	7	13C6-PFDA	1800339-06 WI-A06-FB01-021918 0.12...	1.09e4	76.7	NO
8	8	13C7-PFUdA	1800339-06 WI-A06-FB01-021918 0.12...	1.49e4	91.1	NO

Name: 180227M1_118, Date: 28-Feb-2018, Time: 17:41:23, ID: IPA, Description: IPA

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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

Dataset: Untitled

Last Altered: Thursday, March 01, 2018 11:59:08 Pacific Standard Time
Printed: Thursday, March 01, 2018 12:00:27 Pacific Standard Time

Name: 180227M1_119, Date: 28-Feb-2018, Time: 17:52:50, ID: ST180227M1-15 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180227M1-15 PFC CS3 18B2317	1.31e4	87.7	NO
2	2	13C5-PFHxA	ST180227M1-15 PFC CS3 18B2317	1.68e4	109.8	NO
3	3	13C3-PFHxS	ST180227M1-15 PFC CS3 18B2317	4.14e3	101.1	NO
4	4	13C8-PFOA	ST180227M1-15 PFC CS3 18B2317	1.64e4	164.5	YES
5	5	13C9-PFNA	ST180227M1-15 PFC CS3 18B2317	1.27e4	81.4	NO
6	6	13C4-PFOS	ST180227M1-15 PFC CS3 18B2317	4.45e3	120.9	NO
7	7	13C6-PFDA	ST180227M1-15 PFC CS3 18B2317	1.37e4	96.5	NO
8	8	13C7-PFUdA	ST180227M1-15 PFC CS3 18B2317	1.88e4	115.2	NO

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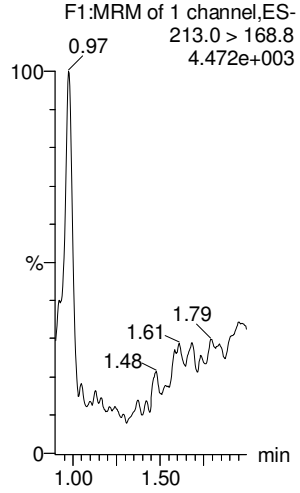
Dataset: Untitled

Last Altered: Wednesday, February 28, 2018 11:59:38 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:42 Pacific Standard Time

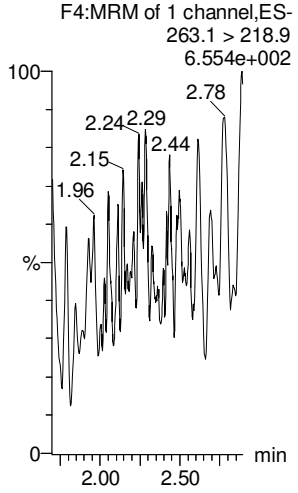
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_12, Date: 27-Feb-2018, Time: 21:25:26, ID: IPA, Description: IPA

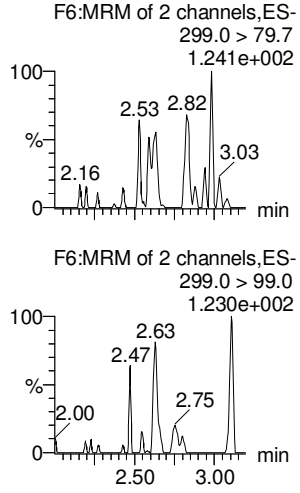
PFBA



PFPeA



PFBS



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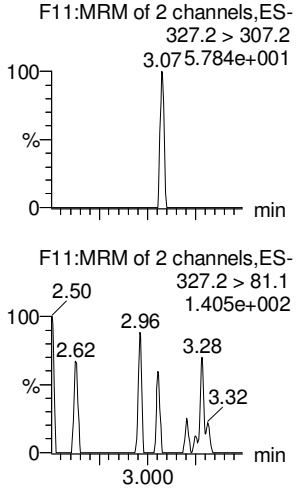
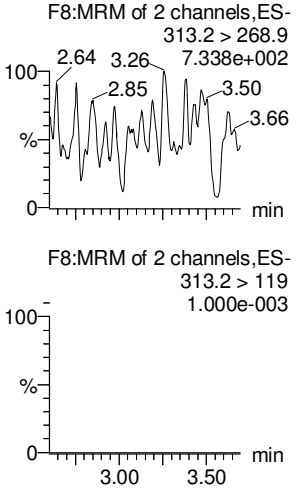


PFHxA



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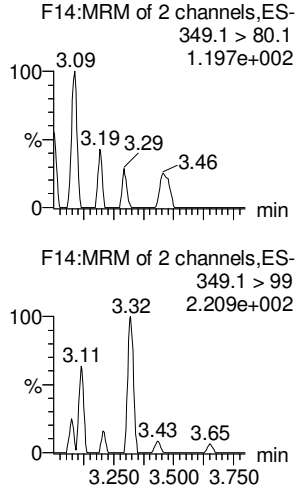

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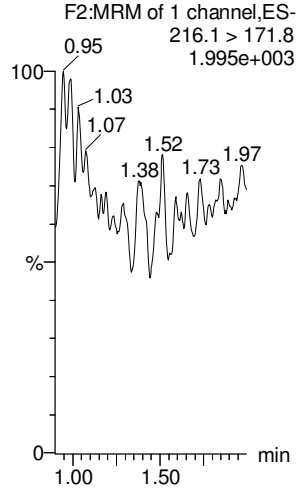

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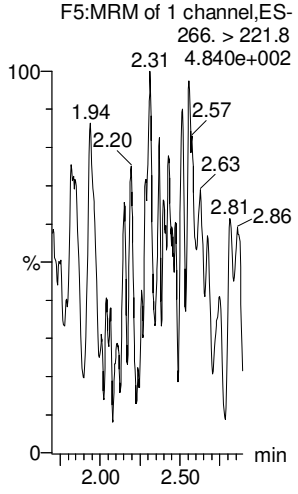

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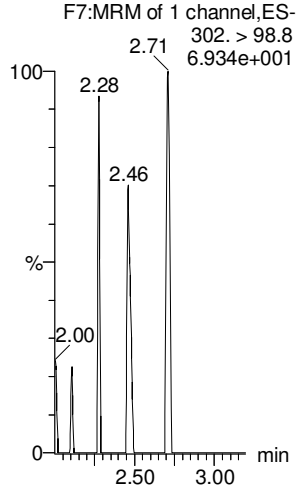

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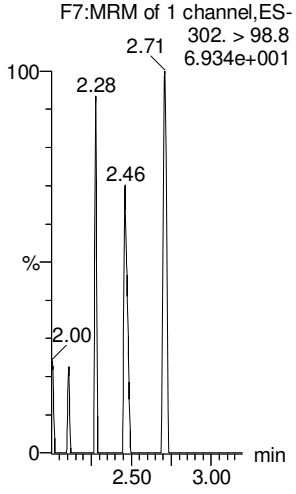

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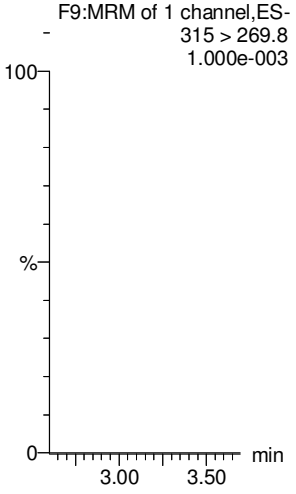

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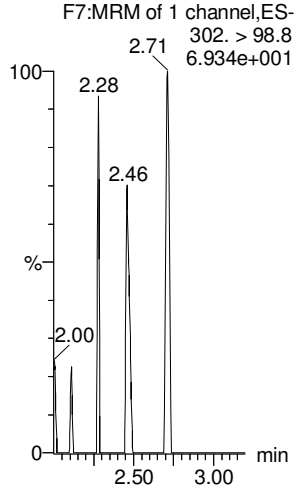

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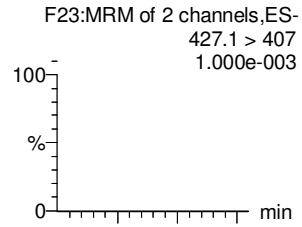
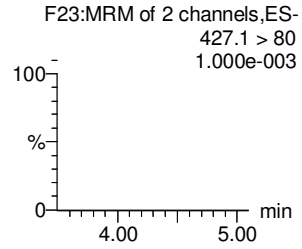
Last Altered: Wednesday, February 28, 2018 11:59:38 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:42 Pacific Standard Time

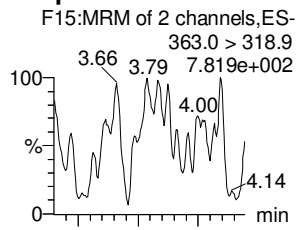
Name: 180227M1_12, Date: 27-Feb-2018, Time: 21:25:26, ID: IPA, Description: IPA

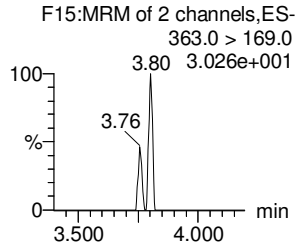
6:2 FTS



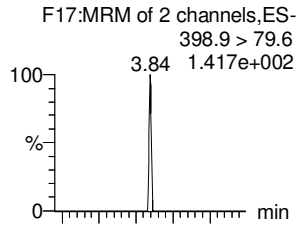


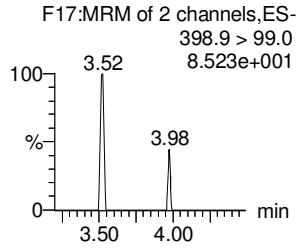
PFHpA



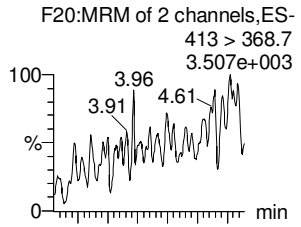


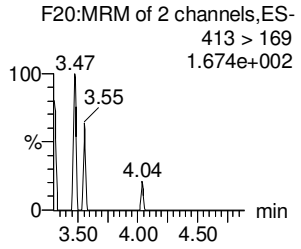
L-PFHxS





L-PFOA





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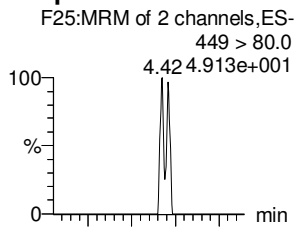

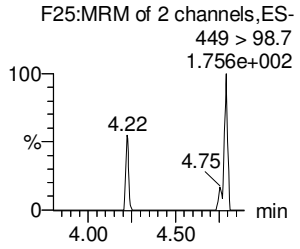

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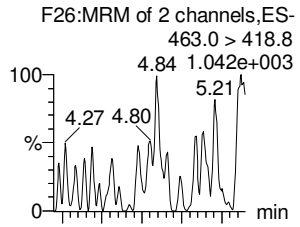

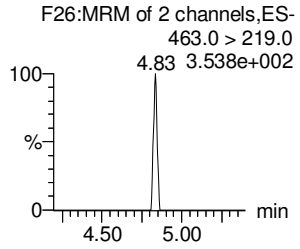

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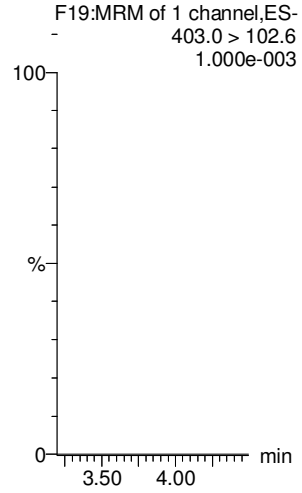
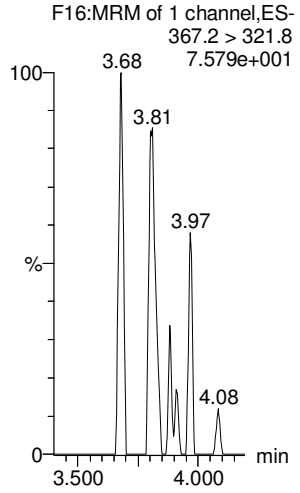


13C4-PFHpA



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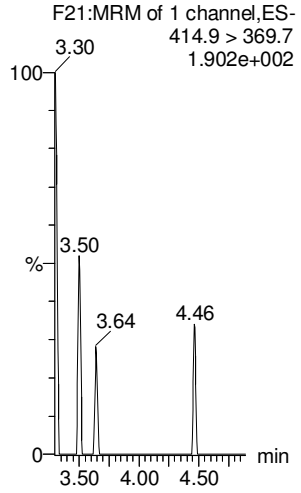

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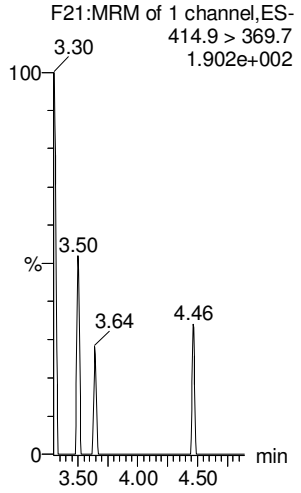

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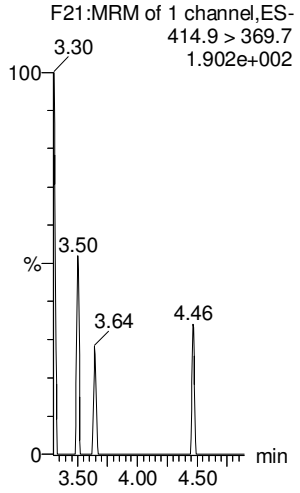

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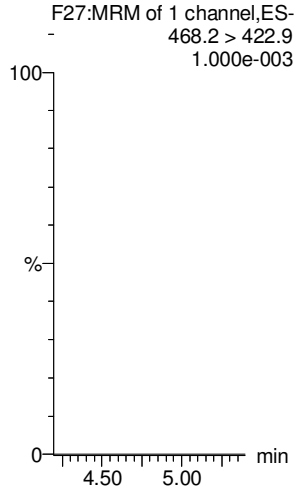

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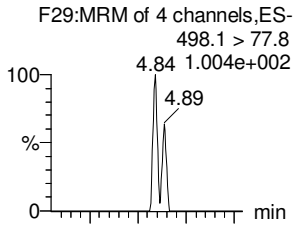
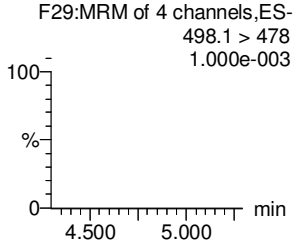
Dataset: Untitled

Last Altered: Wednesday, February 28, 2018 11:59:38 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:42 Pacific Standard Time

Name: 180227M1_12, Date: 27-Feb-2018, Time: 21:25:26, ID: IPA, Description: IPA

PFOSA





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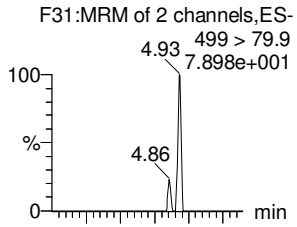

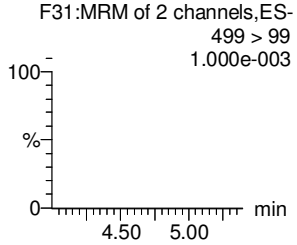

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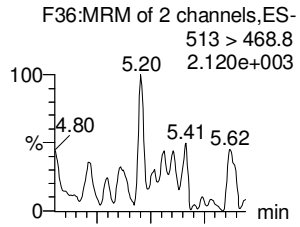

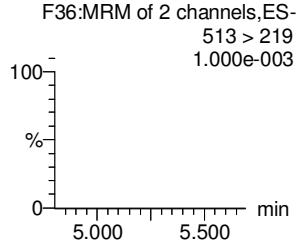

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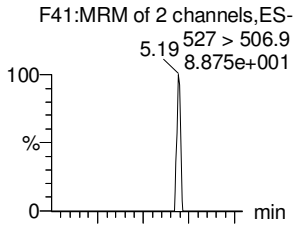

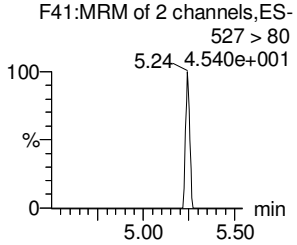

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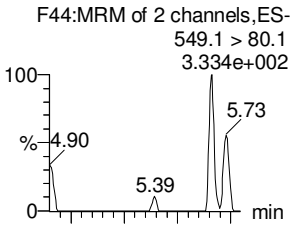

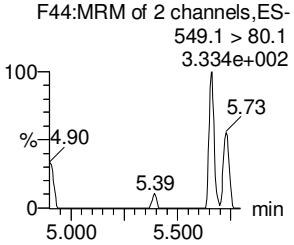

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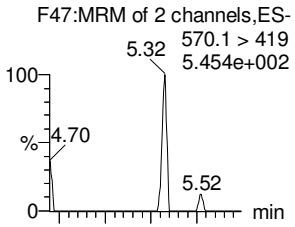

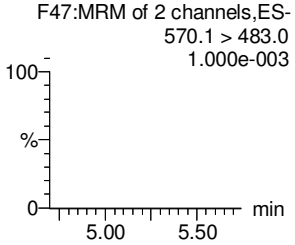

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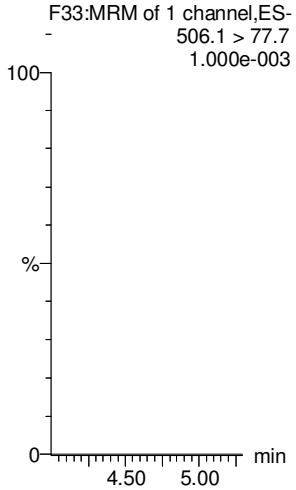

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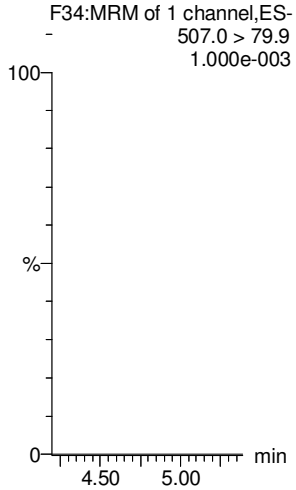

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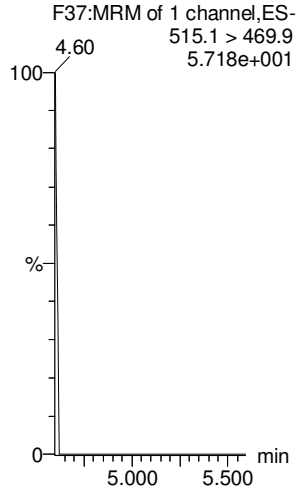

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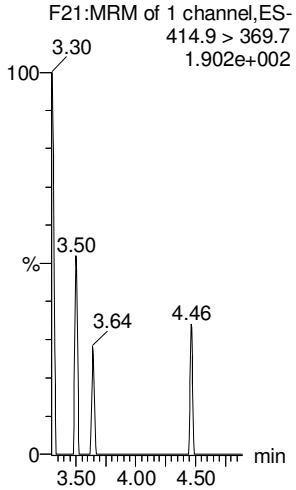

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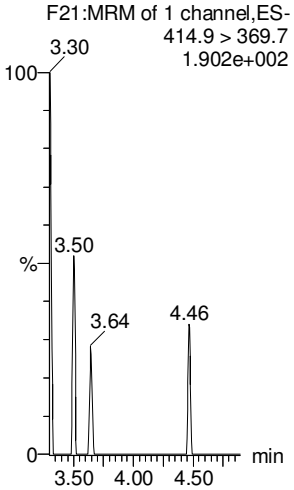

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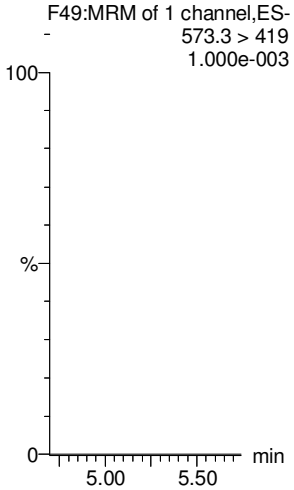

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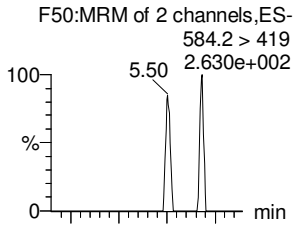
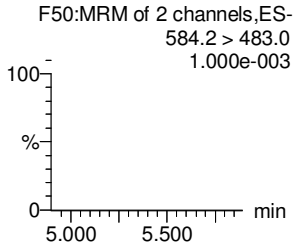
Dataset: Untitled

Last Altered: Wednesday, February 28, 2018 11:59:38 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:42 Pacific Standard Time

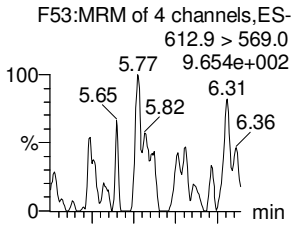
Name: 180227M1_12, Date: 27-Feb-2018, Time: 21:25:26, ID: IPA, Description: IPA

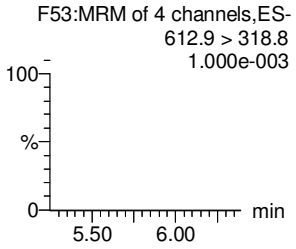
N-EtFOSAA



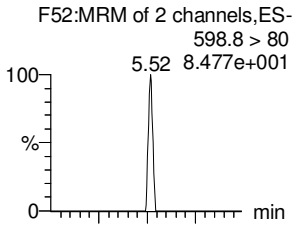


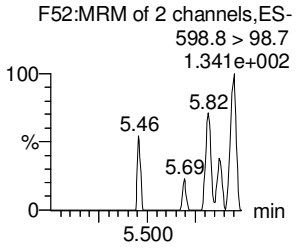
PFDoA



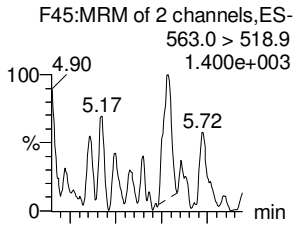


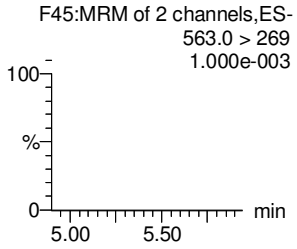
PFDS



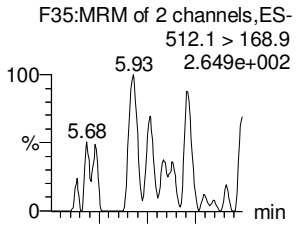


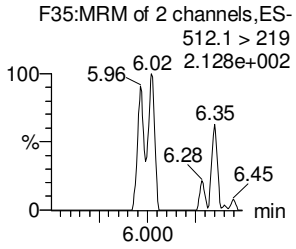
PFUdA



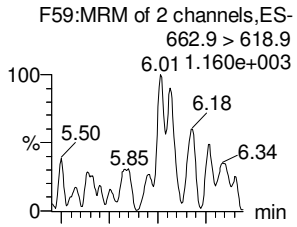


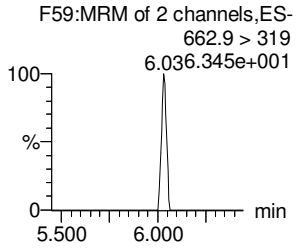
N-MeFOSA



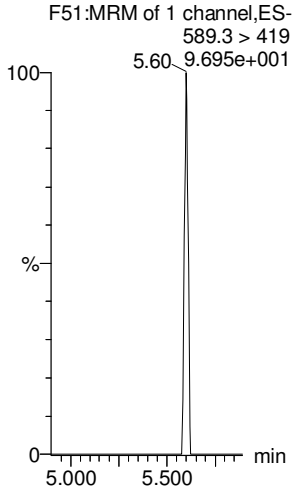


PFTrDA

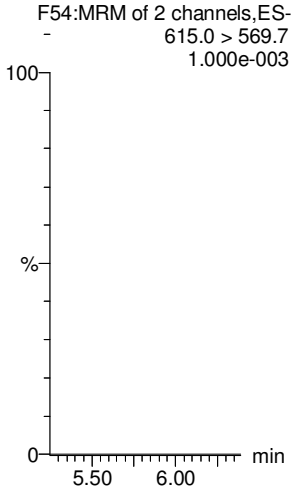




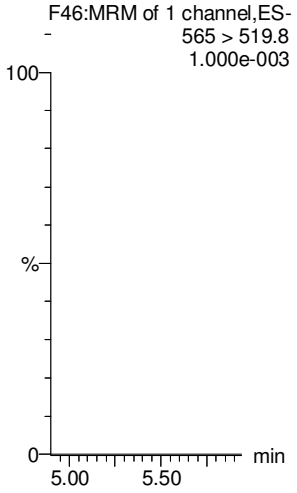
d5-N-EtFOSAA



13C2-PFDoA



13C2-PFUdA



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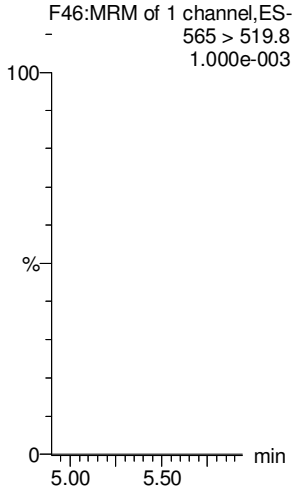
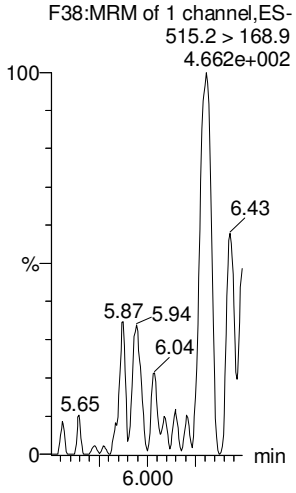


d3-N-MeFOSA



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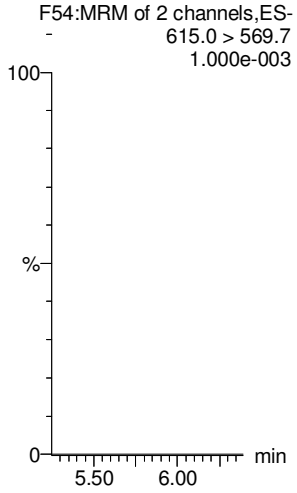

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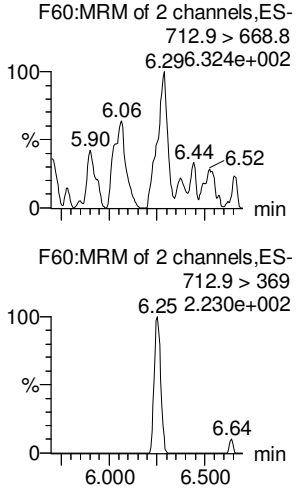
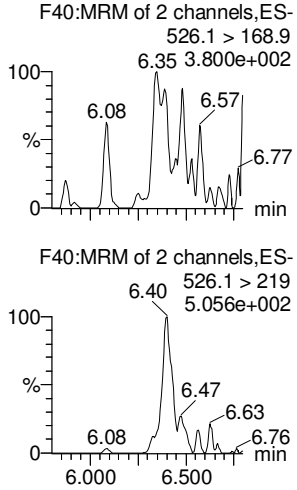
Last Altered: Wednesday, February 28, 2018 11:59:38 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:42 Pacific Standard Time

Name: 180227M1_12, Date: 27-Feb-2018, Time: 21:25:26, ID: IPA, Description: IPA

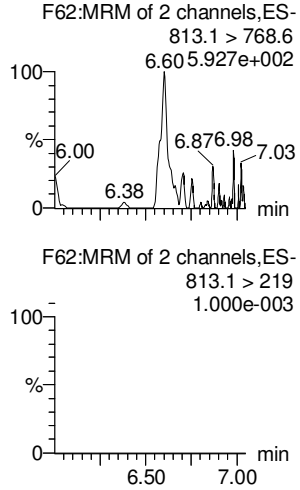
PFTeDA



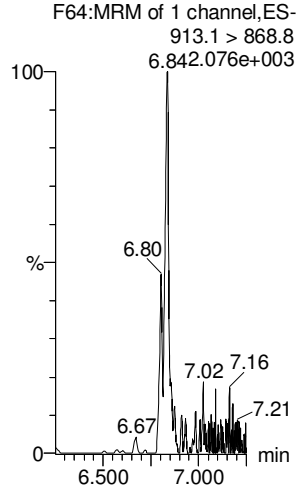
N-EtFOSA



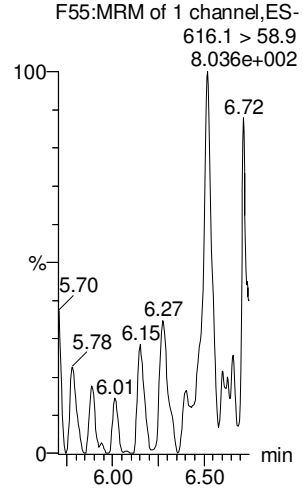
PFHxDA



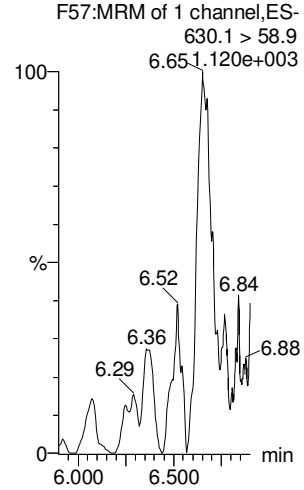
PFODA



N-MeFOSE



N-EtFOSE



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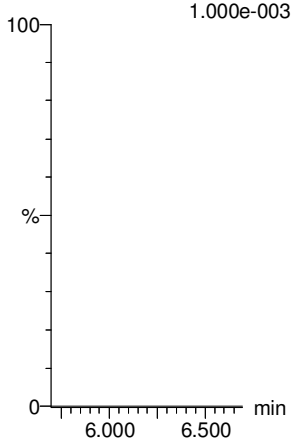
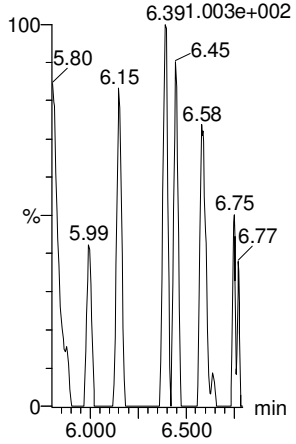


d5-N-ETFOSA



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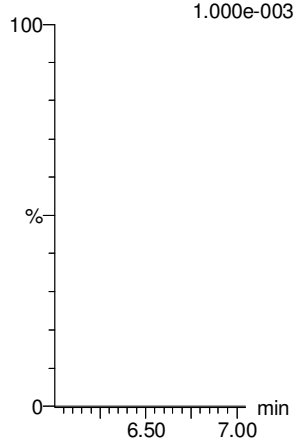
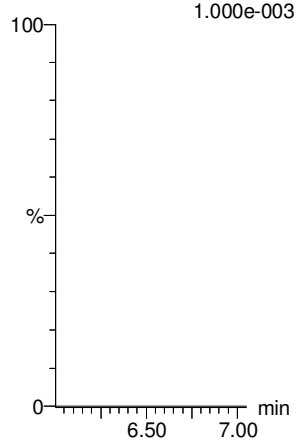
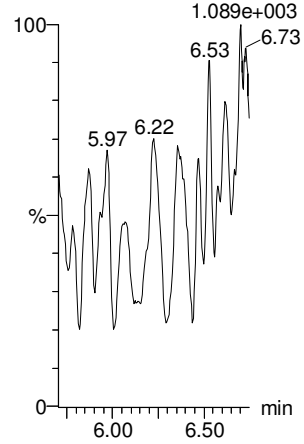


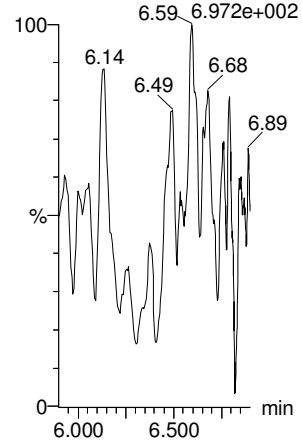
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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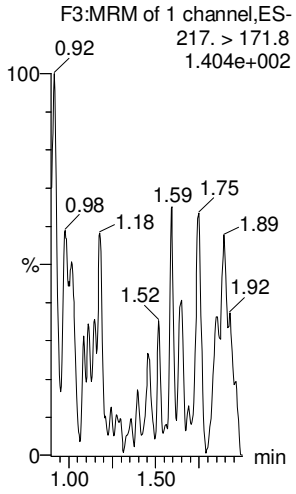
Dataset: Untitled

Last Altered: Wednesday, February 28, 2018 11:59:38 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:42 Pacific Standard Time

Name: 180227M1_12, Date: 27-Feb-2018, Time: 21:25:26, ID: IPA, Description: IPA

13C4-PFBA



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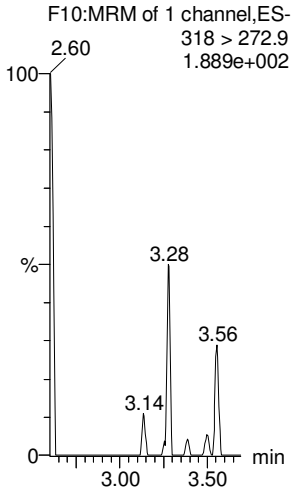

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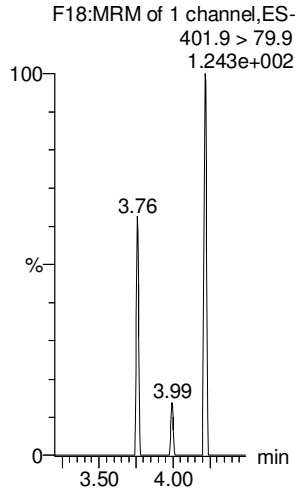
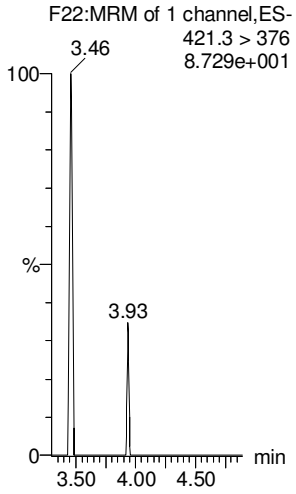
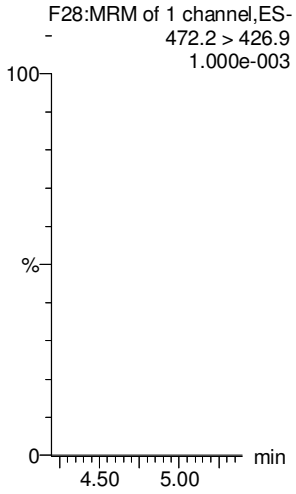


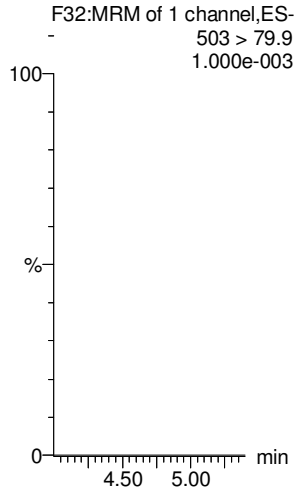
13C8-PFOA



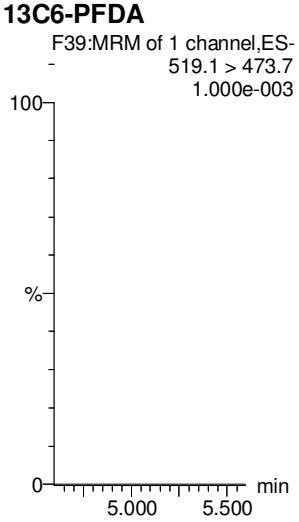
13C9-PFNA



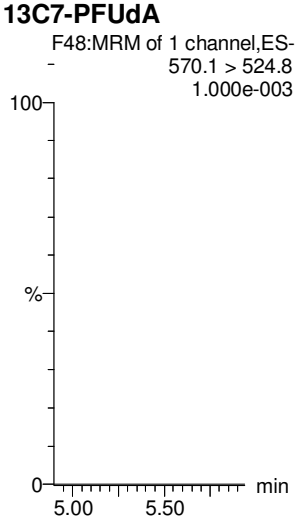
13C4-PFOS



13C6-PFDA



13C7-PFUdA



LC Calibration Standards Review Checklist Q4

		ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	
Calibration ID: STI80227M1-11	L (M) H	☑	☑	☑	☑	☑	☑	☐
Calibration ID: -12	(L) M H	☐	☑	☑	☑	☑	☑	☐
Calibration ID: -13	L (M) H	☐	☑	☑	☑	☑	☑	☐
Calibration ID: -14	L (M) H	☐	☑ (A)	☑	☑	☑	☑	☐
Calibration ID: -15	L (M) H	☑	☑ (B)	☑	☐	☑	☐	☑
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐

Full Mass Cal. Date: 12/27/17

Run Log Present: ☑

# of Samples per Sequence Checked: ☑

Instrument Blank Saved ☑ 180227M

IIS Area Saved ☑ 180227M1

Reviewed By: JA. 03/01/2018
Initials/Date

Comments:

(A) ~~PFTeDA~~ >1307. 3/1/18

(B) PFUdA, PFDoA, MeFOSA, ~~EtFOSA~~ >1307.
PFOS, EtFOSE

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Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-38.qld

Last Altered: Wednesday, February 28, 2018 12:18:40 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:20:06 Pacific Standard Time

Rev'd: JA. 03/01/2018

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_38, Date: 28-Feb-2018, Time: 02:23:40, ID: ST180227M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1	PFBA	213.0 > 168.8	1.08e4	1.12e4		1.46	1.54	12.1	10.5	105.4	NO
2	2	PFPeA	263.1 > 218.9	1.09e4	1.29e4		2.31	2.50	10.6	11.2	111.6	NO
3	3	PFBS	299.0 > 79.7	2.66e3	1.80e3		2.60	2.77	18.4	10.5	104.7	NO
4	4	4:2 FTS	327.2>307.2	2.18e3	1.80e3		3.00	3.17	15.2	11.4	114.4	NO
5	5	PFHxA	313.2 > 268.9	1.19e4	3.88e3		3.19	3.26	15.3	9.90	99.0	NO
6	6	PFPeS	349.1>80.1	3.09e3	1.80e3		3.39	3.46	21.4	12.2	121.8	NO
7	7	PFHpA	363.0 > 318.9	1.24e4	1.06e4		3.81	3.88	14.6	11.8	118.1	NO
8	8	L-PFHxS	398.9 > 79.6	2.21e3	1.50e3		4.17	4.03	18.4	10.3	102.5	NO
9	10	6:2 FTS	427.1 > 407	3.27e3	1.63e4		4.28	4.35	2.50	12.6	126.1	NO
10	11	L-PFOA	413 > 368.7	1.35e4	1.63e4		4.40	4.40	10.3	10.9	109.4	NO
11	13	PFHpS	449 > 80.0	3.18e3	1.63e4		4.44	4.51	2.43	11.9	119.3	NO
12	14	PFNA	463.0 > 418.8	1.54e4	1.31e4		4.76	4.83	14.7	11.9	118.7	NO
13	15	PFOSA	498.1 > 77.8	3.80e3	4.39e3		4.83	4.90	10.8	11.1	111.4	NO
14	16	L-PFOS	499 > 79.9	3.00e3	3.41e3		4.69	4.91	11.0	11.4	114.1	NO
15	18	PFDA	513 > 468.8	1.83e4	1.52e4		5.14	5.21	15.1	10.1	101.3	NO
16	19	8:2 FTS	527 > 506.9	3.52e3	1.63e4		5.12	5.18	2.69	11.9	118.6	NO
17	20	PFNS	549.1>80.1	2.70e3	3.41e3		5.08	5.27	9.90	11.8	118.5	NO
18	21	N-MeFOSAA	570.1 > 419	7.20e3	5.78e3		5.29	5.36	15.6	10.9	109.3	NO
19	22	N-EtFOSAA	584.2 > 419	5.17e3	6.91e3		5.45	5.52	9.35	9.00	90.0	NO
20	23	PFUdA	563.0 > 518.9	1.38e4	1.52e4		5.46	5.53	11.4	13.0	129.9	NO
21	24	PFDS	598.8 > 80	3.72e3	1.52e4		5.51	5.58	3.06	11.4	113.5	NO
22	25	PFDoA	612.9 > 569.0	1.32e4	1.65e4		5.74	5.82	10.0	9.45	94.5	NO
23	26	N-MeFOSA	512.1 > 168.9	8.34e3	2.30e4		5.84	6.01	54.4	64.0	128.0	NO
24	27	PFTrDA	662.9 > 618.9	1.61e4	1.65e4		5.98	6.06	12.3	9.21	92.1	NO
25	28	PFTeDA	712.9 > 668.8	1.14e4	7.70e3		6.20	6.28	18.6	9.09	90.9	NO
26	29	N-EtFOSA	526.1 > 168.9	1.11e4	3.80e4		6.22	6.40	43.7	53.0	106.0	NO
27	30	PFHxDA	813.1 > 768.6	7.03e3	5.19e3		6.51	6.60	6.77	11.4	113.6	NO
28	31	PFODA	913.1 > 868.8	7.60e3	5.19e3		6.74	6.83	7.32	9.90	99.0	NO
29	32	N-MeFOSE	616.1 > 58.9	1.18e4	2.87e4		6.31	6.52	61.7	60.3	120.5	NO
30	33	N-EtFOSE	630.1 > 58.9	1.20e4	3.25e4		6.45	6.66	55.3	45.1	90.3	NO
31	34	13C3-PFBA	216.1 > 171.8	1.12e4	1.30e4	0.940	1.46	1.54	10.8	11.4	91.6	NO
32	35	13C3-PFPeA	266. > 221.8	1.29e4	1.30e4	0.948	2.42	2.50	12.3	13.0	104.1	NO

2/28/18

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Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-38.qld

Last Altered: Wednesday, February 28, 2018 12:18:40 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:20:06 Pacific Standard Time

Name: 180227M1_38, Date: 28-Feb-2018, Time: 02:23:40, ID: ST180227M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
33	36	13C3-PFBS	302. > 98.8	1.80e3	1.30e4	0.131	2.69	2.77	1.73	13.1	105.2	NO
34	37	13C2-PFHxA	315 > 269.8	3.88e3	1.30e4	0.740	3.19	3.26	3.72	5.02	100.4	NO
35	38	13C4-PFHpA	367.2 > 321.8	1.06e4	1.30e4	0.776	3.81	3.88	10.1	13.0	104.4	NO
36	39	18O2-PFHxS	403.0 > 102.6	1.50e3	3.75e3	0.412	3.96	4.03	5.00	12.1	97.0	NO
37	40	13C2-PFOA	414.9 > 369.7	1.63e4	1.20e4	1.891	4.33	4.40	17.0	9.00	72.0	NO
38	41	13C5-PFNA	468.2 > 422.9	1.31e4	1.48e4	0.959	4.76	4.83	11.1	11.5	92.3	NO
39	42	13C8-PFOSA	506.1 > 77.7	4.39e3	1.81e4	0.308	4.83	4.90	3.03	9.83	78.6	NO
40	43	13C8-PFOS	507.0 > 79.9	3.41e3	3.55e3	1.096	4.84	4.91	12.0	11.0	87.7	NO
41	44	13C2-PFDA	515.1 > 469.9	1.52e4	1.74e4	0.926	5.14	5.21	10.9	11.8	94.0	NO
42	45	d3-N-MeFOSAA	573.3 > 419	5.78e3	1.81e4	0.359	5.29	5.36	3.98	11.1	88.8	NO
43	46	d5-N-EtFOSAA	589.3 > 419	6.91e3	1.81e4	0.435	5.45	5.51	4.76	11.0	87.7	NO
44	47	13C2-PFUdA	565 > 519.8	1.52e4	1.81e4	1.138	5.46	5.53	10.4	9.18	73.4	NO
45	48	13C2-PFDoA	615.0 > 569.7	1.65e4	1.81e4	1.059	5.74	5.81	11.3	10.7	85.7	NO
46	49	d3-N-MeFOSA	515.2 > 168.9	2.30e4	1.81e4	0.151	5.84	6.03	15.8	105	69.9	NO
47	50	13C2-PFTeDA	714.8 > 669.6	7.70e3	1.81e4	0.484	6.20	6.28	5.30	11.0	87.7	NO
48	51	d5-N-ETFOSA	531.1 > 168.9	3.80e4	1.81e4	0.215	6.22	6.42	26.2	122	81.3	NO
49	52	13C2-PFHxDA	815 > 769.7	5.19e3	1.81e4	0.741	6.51	6.60	3.58	4.82	96.5	NO
50	53	d7-N-MeFOSE	623.1 > 58.9	2.87e4	1.81e4	0.186	6.31	6.51	19.8	106	70.9	NO
51	54	d9-N-EtFOSE	639.2 > 58.8	3.25e4	1.81e4	0.159	6.45	6.66	22.4	141	93.7	NO
52	55	13C4-PFBA	217. > 171.8	1.30e4	1.30e4	1.000	1.46	1.54	12.5	12.5	100.0	NO
53	56	13C5-PFHxA	318 > 272.9	1.30e4	1.30e4	1.000	3.19	3.26	12.5	12.5	100.0	NO
54	57	13C3-PFHxS	401.9 > 79.9	3.75e3	3.75e3	1.000	3.96	4.03	12.5	12.5	100.0	NO
55	58	13C8-PFOA	421.3 > 376	1.20e4	1.20e4	1.000	4.33	4.40	12.5	12.5	100.0	NO
56	59	13C9-PFNA	472.2 > 426.9	1.48e4	1.48e4	1.000	4.70	4.83	12.5	12.5	100.0	NO
57	60	13C4-PFOS	503 > 79.9	3.55e3	3.55e3	1.000	4.84	4.91	12.5	12.5	100.0	NO
58	61	13C6-PFDA	519.1 > 473.7	1.74e4	1.74e4	1.000	5.14	5.21	12.5	12.5	100.0	NO
59	62	13C7-PFUdA	570.1 > 524.8	1.81e4	1.81e4	1.000	5.46	5.53	12.5	12.5	100.0	NO

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Dataset: Untitled

Last Altered: Thursday, March 01, 2018 11:28:47 Pacific Standard Time
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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180227M1_1	IPA	27-Feb-18	19:19:16
2	180227M1_2	ST180227M1-1 PFC CS-2 18B2312	27-Feb-18	19:30:40
3	180227M1_3	ST180227M1-2 PFC CS-1 18B2313	27-Feb-18	19:42:07
4	180227M1_4	ST180227M1-3 PFC CS0 18B2314	27-Feb-18	19:53:34
5	180227M1_5	ST180227M1-4 PFC CS1 18B2315	27-Feb-18	20:05:03
6	180227M1_6	ST180227M1-5 PFC CS2 18B2316	27-Feb-18	20:16:34
7	180227M1_7	ST180227M1-6 PFC CS3 18B2317	27-Feb-18	20:28:00
8	180227M1_8	ST180227M1-7 PFC CS4 18B2318	27-Feb-18	20:39:30
9	180227M1_9	ST180227M1-8 PFC CS5 18B2319	27-Feb-18	20:51:00
10	180227M1_10	ST180227M1-9 PFC CS6 18B2320	27-Feb-18	21:02:27
11	180227M1_11	ST180227M1-10 PFC CS7 18B2321	27-Feb-18	21:13:56
12	180227M1_12	IPA	27-Feb-18	21:25:26
13	180227M1_13	ICV180227M1-1 PFC ICV 18B2311	27-Feb-18	21:36:56
14	180227M1_14	IPA	27-Feb-18	21:48:26
15	180227M1_15	1800170-01@5X MBR Grab 0.02037	27-Feb-18	21:59:52
16	180227M1_16	1800170-02@20x TANK 3 Comp 0.02084	27-Feb-18	22:11:23
17	180227M1_17	B8B0010-BS1 OPR 0.25	27-Feb-18	22:22:52
18	180227M1_18	B8B0010-MSD1 Matrix Spike Dup 0.11689	27-Feb-18	22:34:19
19	180227M1_19	B8B0010-MS1 Matrix Spike 0.11755	27-Feb-18	22:45:46
20	180227M1_20	B8B0096-BS1 OPR 0.125	27-Feb-18	22:57:13
21	180227M1_21	B8B0096-BLK1 Method Blank 0.125	27-Feb-18	23:08:40
22	180227M1_22	B8B0096-MS1 Matrix Spike 0.11568	27-Feb-18	23:20:09
23	180227M1_23	B8B0096-MSD1 Matrix Spike Dup 0.1188	27-Feb-18	23:31:38
24	180227M1_24	1800298-01 REEPDW155 0.11708	27-Feb-18	23:43:09
25	180227M1_25	1800298-02 REEPDW156 0.11596	27-Feb-18	23:54:38
26	180227M1_26	1800298-03 REEPDW157 0.12015	28-Feb-18	00:06:08
27	180227M1_27	1800298-04 REEPDW158 0.1178	28-Feb-18	00:17:39
28	180227M1_28	1800298-05 REEPDW159 0.11737	28-Feb-18	00:29:05
29	180227M1_29	1800299-01 REEPDW155FRB 0.11474	28-Feb-18	00:40:35
30	180227M1_30	1800299-02 REEPDW156FRB 0.1178	28-Feb-18	00:52:05
31	180227M1_31	1800299-03 REEPDW157FRB 0.11643	28-Feb-18	01:03:32

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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180227M1_32	1800299-04 REEPDW158FRB 0.11892	28-Feb-18	01:14:59
33	180227M1_33	1800299-05 REEPDW159FRB 0.11693	28-Feb-18	01:26:25
34	180227M1_34	1800301-01 REEPDW160 0.11595	28-Feb-18	01:37:52
35	180227M1_35	1800301-02 REEPDW515 0.11695	28-Feb-18	01:49:19
36	180227M1_36	1800301-03 REEPDW161 0.11505	28-Feb-18	02:00:46
37	180227M1_37	IPA	28-Feb-18	02:12:13
38	180227M1_38	ST180227M1-11 PFC CS3 18B2317	28-Feb-18	02:23:40
39	180227M1_39	IPA	28-Feb-18	02:35:07
40	180227M1_40	1800301-04 REEPDW162 0.11664	28-Feb-18	02:46:37
41	180227M1_41	1800301-05 REEPDW163 0.11483	28-Feb-18	02:58:04
42	180227M1_42	1800302-01 REEPDW160FRB 0.11761	28-Feb-18	03:09:34
43	180227M1_43	1800302-02 REEPDW161FRB 0.1172	28-Feb-18	03:21:01
44	180227M1_44	1800302-03 REEPDW162FRB 0.11535	28-Feb-18	03:32:30
45	180227M1_45	1800302-04 REEPDW163FRB 0.11575	28-Feb-18	03:44:00
46	180227M1_46	1800308-11 OF-FB54-0218 0.11801	28-Feb-18	03:55:29
47	180227M1_47	1800308-16 OF-RW24-0218 0.11552	28-Feb-18	04:06:59
48	180227M1_48	1800308-17 OF-FB24-0218 0.11631	28-Feb-18	04:18:28
49	180227M1_49	1800308-18 OF-RW46-0218 0.11424	28-Feb-18	04:29:50
50	180227M1_50	B8B0126-BS1 OPR 0.125	28-Feb-18	04:41:17
51	180227M1_51	B8B0126-BSD1 LCSD 0.125	28-Feb-18	04:52:44
52	180227M1_52	B8B0126-BLK1 Method Blank 0.125	28-Feb-18	05:04:13
53	180227M1_53	1800333-01 REEPDW186 0.12089	28-Feb-18	05:15:40
54	180227M1_54	1800333-02 REEPDW187 0.11479	28-Feb-18	05:27:10
55	180227M1_55	1800333-03 REEPDW188 0.12197	28-Feb-18	05:38:37
56	180227M1_56	1800333-04 REEPDW153 0.12159	28-Feb-18	05:50:06
57	180227M1_57	1800334-01 REEPDW186FRB 0.12155	28-Feb-18	06:01:33
58	180227M1_58	1800334-02 REEPDW187FRB 0.12044	28-Feb-18	06:13:03
59	180227M1_59	1800334-03 REEPDW188FRB 0.12213	28-Feb-18	06:24:32
60	180227M1_60	1800334-04 REEPDW153FRB 0.12039	28-Feb-18	06:36:01
61	180227M1_61	B8B0130-BS1 OPR 0.125	28-Feb-18	06:47:28
62	180227M1_62	B8B0130-BLK1 Method Blank 0.125	28-Feb-18	06:58:58
63	180227M1_63	B8B0130-MS1 Matrix Spike 0.11711	28-Feb-18	07:10:26
64	180227M1_64	B8B0130-MSD1 Matrix Spike Dup 0.11705	28-Feb-18	07:21:55
65	180227M1_65	1800340-01 WI-AF-MW-614-0218 0.11804	28-Feb-18	07:33:26

Dataset: Untitled

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Compound name: PFBA

(A) over 10 samples, invalid.

	Name	ID	Acq.Date	Acq.Time
66	180227M1_66	1800340-02 WI-AF-MW-613-0218 0.11332	28-Feb-18	07:44:52
67	180227M1_67	IPA	28-Feb-18	07:56:19
68	180227M1_68	ST180227M1-12 PFC CS0 18B2314	28-Feb-18	08:07:48
69	180227M1_69	IPA	28-Feb-18	08:19:18
70	180227M1_70	1800340-03 WI-AF-FB02-021418 0.12011	28-Feb-18	08:30:48
71	180227M1_71	1800340-04 WI-AF-EB02-021418 0.12032	28-Feb-18	08:42:17
72	180227M1_72	1800340-05 WI-AF-MW-612-0218 0.12001	28-Feb-18	08:53:47
73	180227M1_73	1800340-06 WI-AF-EB02-021518 0.12104	28-Feb-18	09:05:16
74	180227M1_74	1800340-07 WI-AF-MW-608-0218 0.11965	28-Feb-18	09:16:42
75	180227M1_75	1800340-08 WI-AF-MW-606-0218 0.11972	28-Feb-18	09:28:12
76	180227M1_76	1800340-09 WI-AF-MW-606P-0218 0.11838	28-Feb-18	09:39:41
77	180227M1_77	1800340-10 WI-AF-FB02-021618 0.12267	28-Feb-18	09:51:11
78	180227M1_78	1800340-11 WI-AF-MW-607-0218 0.11368	28-Feb-18	10:02:41
79	180227M1_79	1800340-12 WI-AF-MW-605-0218 0.11974	28-Feb-18	10:14:10
80	180227M1_80	1800340-13 WI-AF-MW-609-0218 0.11956	28-Feb-18	10:25:40
81	180227M1_81	1800341-01 WI-AF-MW-N3-12-0218 0.11794	28-Feb-18	10:37:10
82	180227M1_82	1800341-02 WI-AF-3-MW-2-0218 0.12097	28-Feb-18	10:48:39
83	180227M1_83	1800341-03 WI-AF-N29-22D-0218 0.11995	28-Feb-18	11:00:08
84	180227M1_84	1800341-04 WI-AF-FB01-021918 0.11668	28-Feb-18	11:11:38
85	180227M1_85	1800341-05 WI-AF-EB01-021918 0.12143	28-Feb-18	11:23:07
86	180227M1_86	1800342-20 WI-AF-MW-200-0218 0.11976 (A)	28-Feb-18	11:34:36
87	180227M1_87	IPA	28-Feb-18	11:46:03
88	180227M1_88	ST180227M1-13 PFC CS3 18B2317	28-Feb-18	11:57:30
89	180227M1_89	IPA	28-Feb-18	12:08:57
90	180227M1_90	1800342-21 WI-AF-EB01-021818 0.12006	28-Feb-18	12:20:24
91	180227M1_91	B8B0129-BS1 OPR 0.125	28-Feb-18	12:31:51
92	180227M1_92	B8B0129-BLK1 Method Blank 0.125	28-Feb-18	12:43:17
93	180227M1_93	B8B0129-MS1 Matrix Spike 0.11962	28-Feb-18	12:54:44
94	180227M1_94	B8B0129-MSD1 Matrix Spike Dup 0.12145	28-Feb-18	13:06:11
95	180227M1_95	1800332-01 OF-RW42B-MID01-0218 0.11601	28-Feb-18	13:17:38
96	180227M1_96	1800332-02 OF-RW42B-EFF01-0218 0.1211	28-Feb-18	13:29:08
97	180227M1_97	1800332-03 OF-RW42B-FB01-0218 0.12204	28-Feb-18	13:40:38
98	180227M1_98	1800332-04 OF-RW42C-INF01-0218 0.1208	28-Feb-18	13:52:07
99	180227M1_99	1800332-05 OF-RW42C-MID01-0218 0.12063	28-Feb-18	14:03:37

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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
100	180227M1_100	1800332-06 OF-RW42C-EFF01-0218 0.11886	28-Feb-18	14:14:58
101	180227M1_101	1800332-07 OF-RW42C-FB01-0218 0.11859	28-Feb-18	14:26:25
102	180227M1_102	1800332-08 OF-INF01-WT-021418 0.11784	28-Feb-18	14:37:52
103	180227M1_103	1800332-09 OF-MID01-WT-021418 0.11976	28-Feb-18	14:49:19
104	180227M1_104	1800332-10 OF-FB01-WT-021418 0.12199	28-Feb-18	15:00:46
105	180227M1_105	1800332-11 OF-EFF01-WT-021418 0.12052	28-Feb-18	15:12:12
106	180227M1_106	1800332-12 OF-EFF01P-WT-021418 0.12067	28-Feb-18	15:23:42
107	180227M1_107	1800337-01 REEPDW189 0.12105	28-Feb-18	15:35:11
108	180227M1_108	1800338-01 REEPDW189FRB 0.12225	28-Feb-18	15:46:41
109	180227M1_109	IPA	28-Feb-18	15:58:10
110	180227M1_110	ST180227M1-14 PFC CS3 18B2317	28-Feb-18	16:09:37
111	180227M1_111	IPA	28-Feb-18	16:21:07
112	180227M1_112	1800339-01 WI-A06-MW-06-0218 0.11846	28-Feb-18	16:32:36
113	180227M1_113	1800339-02 WI-A06-FB01-021618 0.12165	28-Feb-18	16:44:06
114	180227M1_114	1800339-03 WI-A06-EB01-021618 0.12121	28-Feb-18	16:55:33
115	180227M1_115	1800339-04 WI-A06-S-01-0218 0.12143	28-Feb-18	17:07:03
116	180227M1_116	1800339-05 WI-A06-S-01P-0218 0.12184	28-Feb-18	17:18:32
117	180227M1_117	1800339-06 WI-A06-FB01-021918 0.12222	28-Feb-18	17:30:02
118	180227M1_118	IPA	28-Feb-18	17:41:23
119	180227M1_119	ST180227M1-15 PFC CS3 18B2317	28-Feb-18	17:52:50
120	180227M1_120	IPA	28-Feb-18	18:04:17

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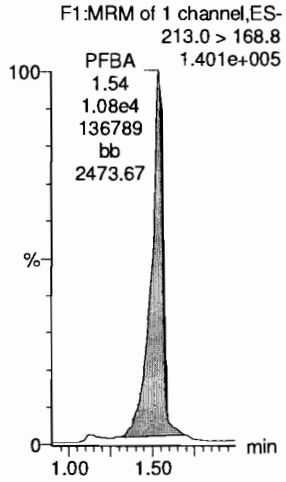
Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-38.qld

Last Altered: Wednesday, February 28, 2018 12:18:40 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:20:06 Pacific Standard Time

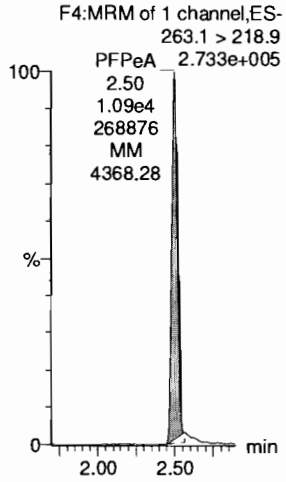
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_38, Date: 28-Feb-2018, Time: 02:23:40, ID: ST180227M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

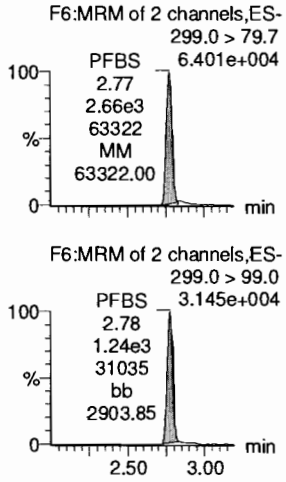
PFBA



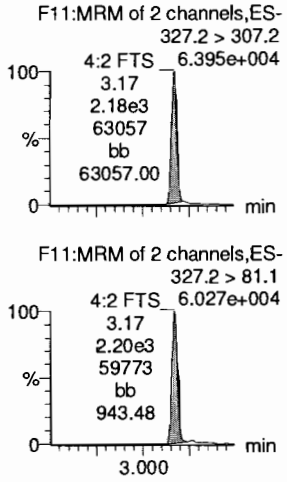
PFPeA



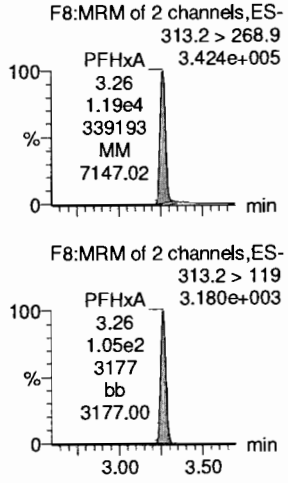
PFBS



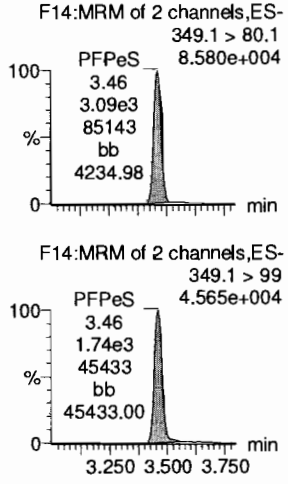
4:2 FTS



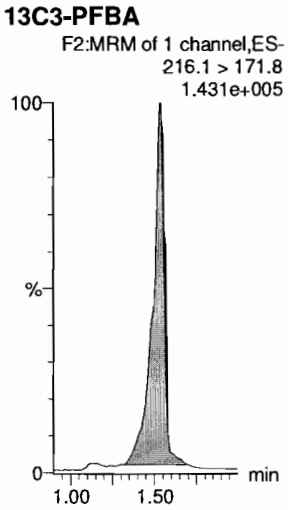
PFHxA



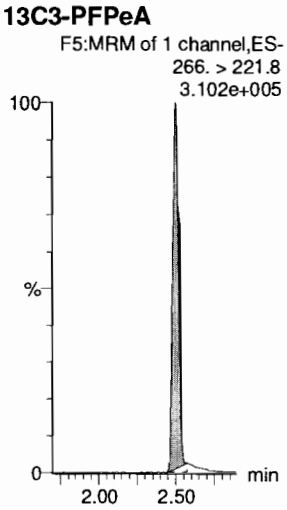
PFPeS



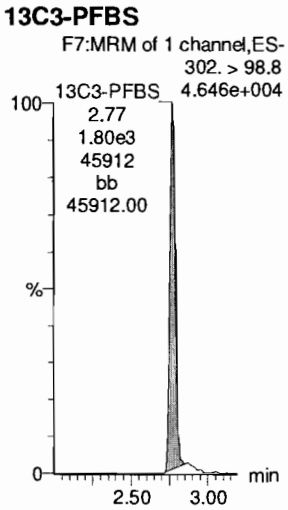
13C3-PFBA



13C3-PFPeA



13C3-PFBS



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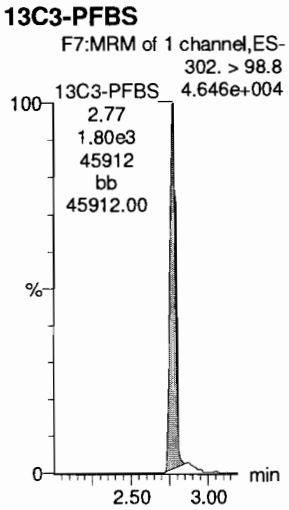

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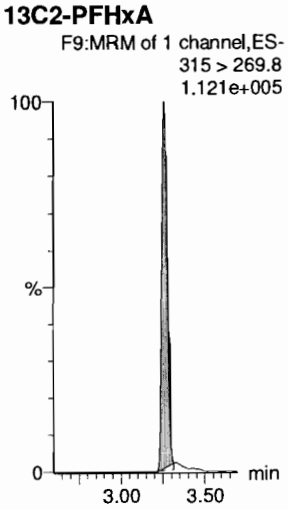

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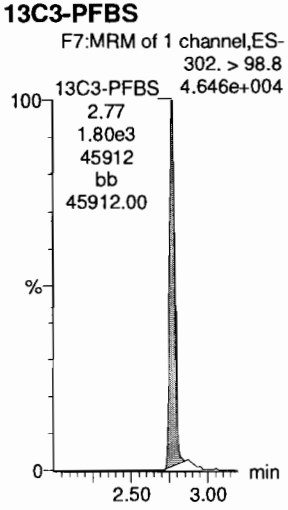

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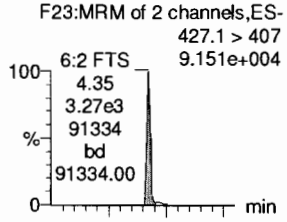
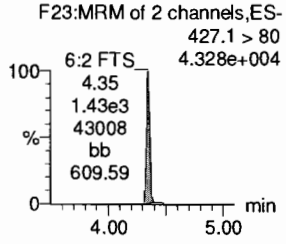
Last Altered: Wednesday, February 28, 2018 12:18:40 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:20:06 Pacific Standard Time

Name: 180227M1_38, Date: 28-Feb-2018, Time: 02:23:40, ID: ST180227M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

6:2 FTS





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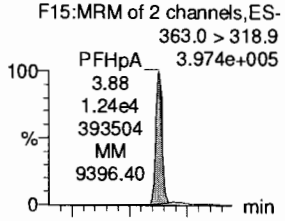

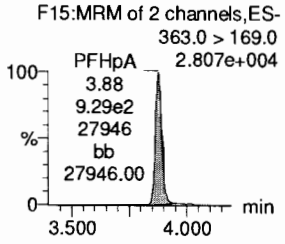

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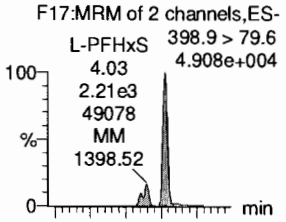

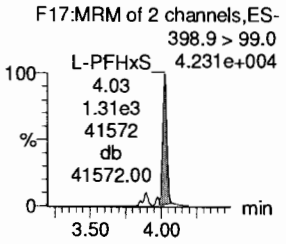

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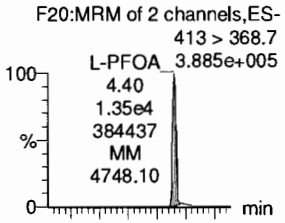

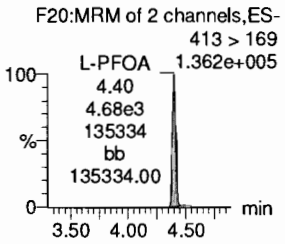

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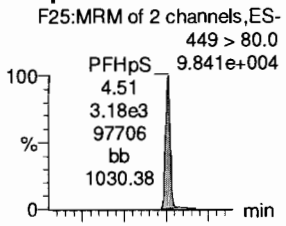

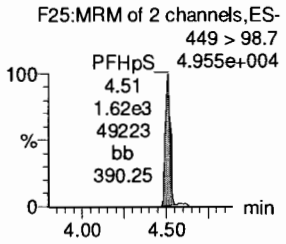

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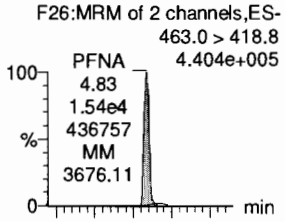

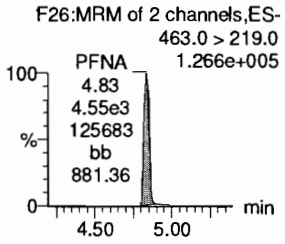

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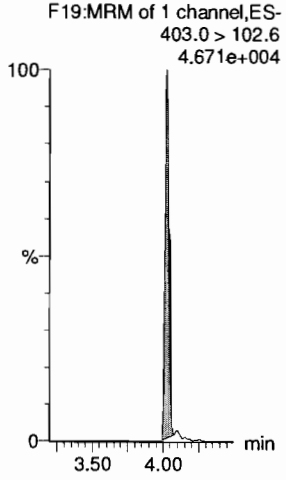
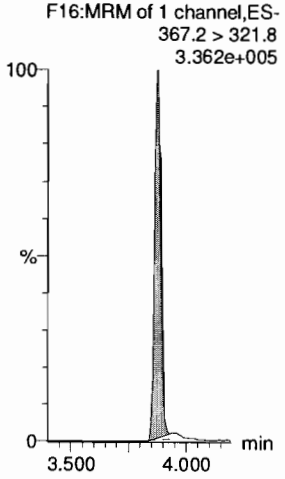


13C4-PFHpA



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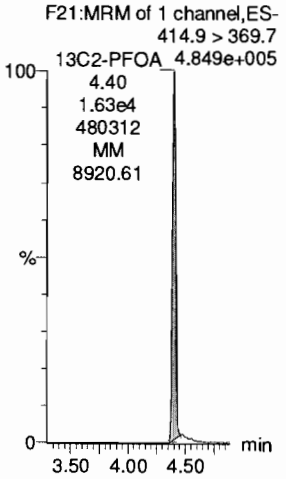

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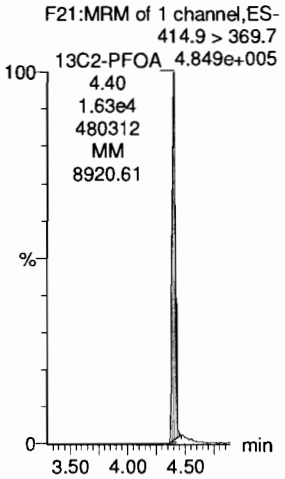

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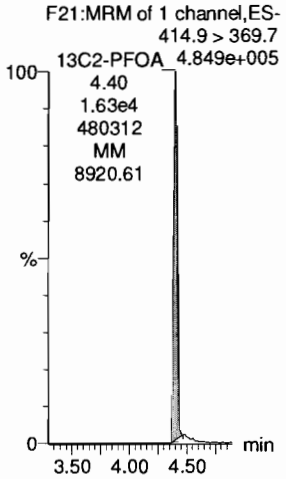

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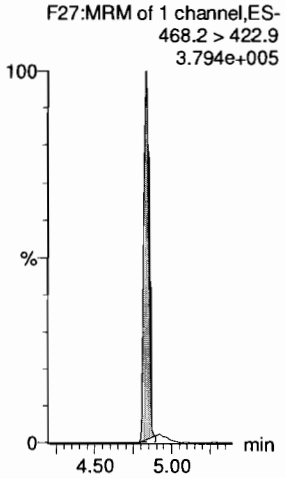

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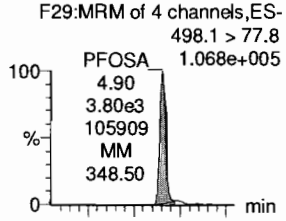
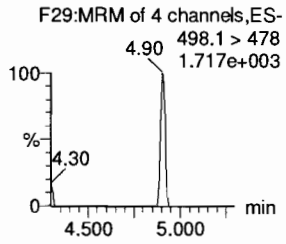
Name: 180227M1_38, Date: 28-Feb-2018, Time: 02:23:40, ID: ST180227M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

PFOSA





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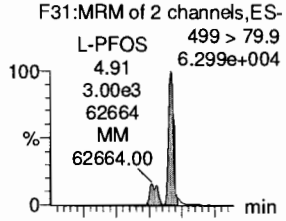

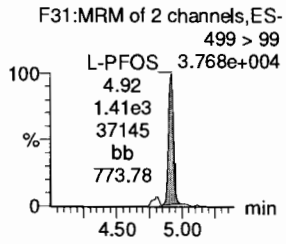

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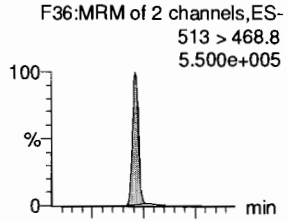
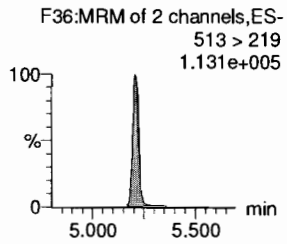
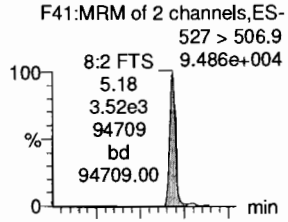
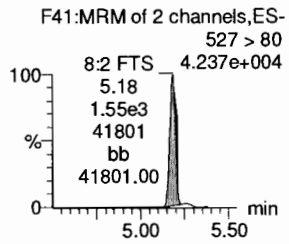




8:2 FTS





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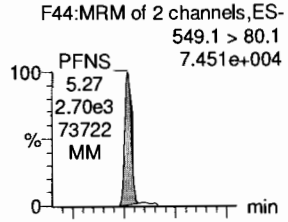

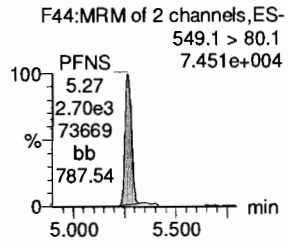

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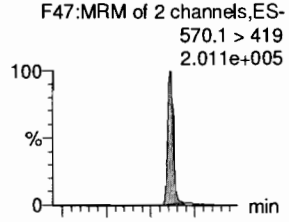

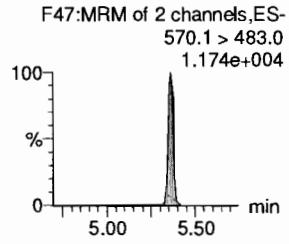

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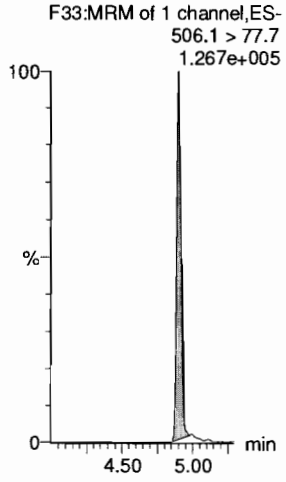

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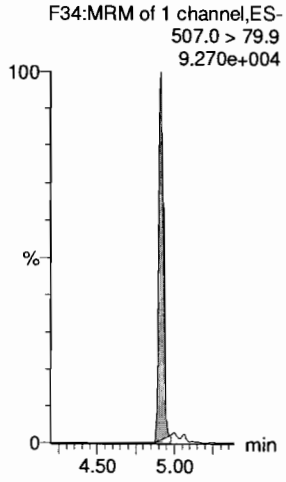

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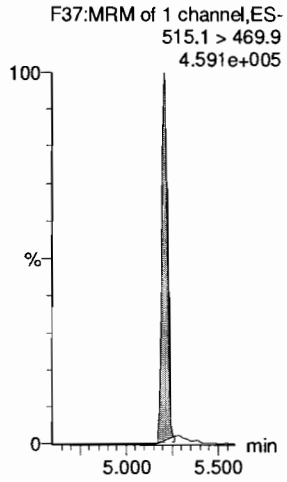

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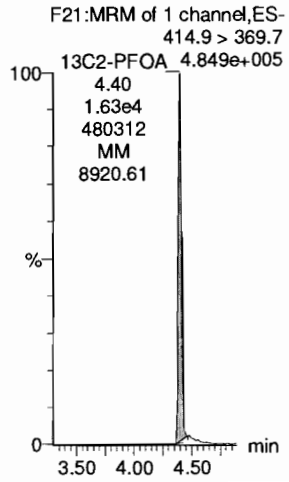

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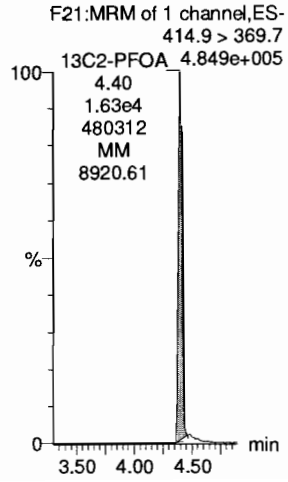

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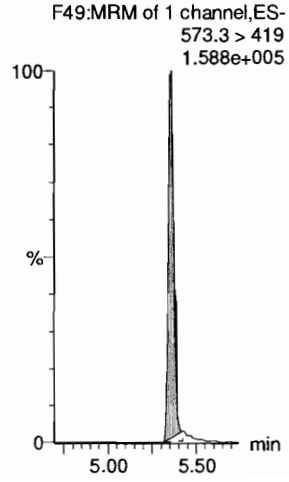

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Name: 180227M1_38, Date: 28-Feb-2018, Time: 02:23:40, ID: ST180227M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

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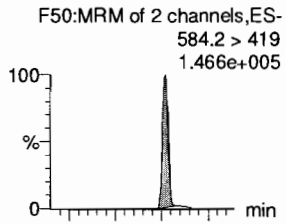

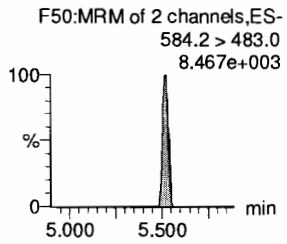

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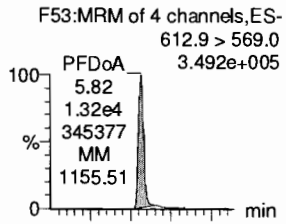

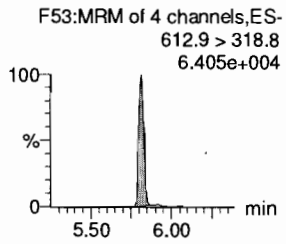

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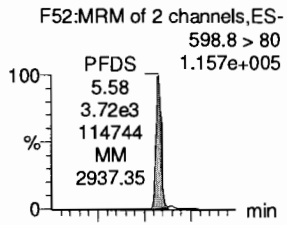

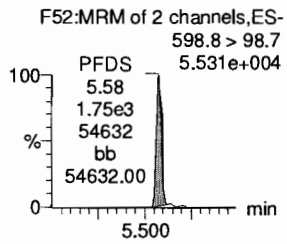

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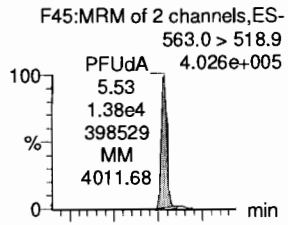

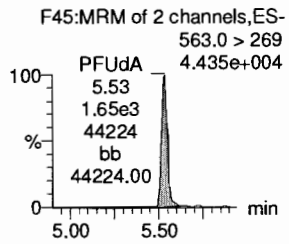

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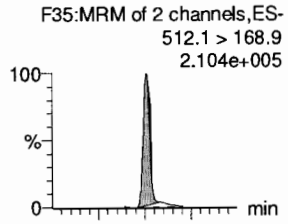

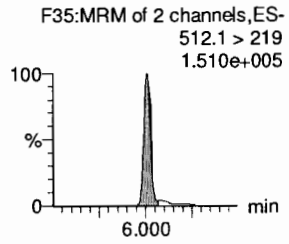

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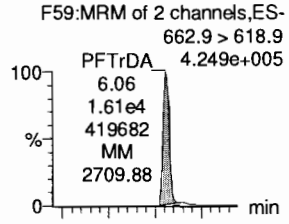

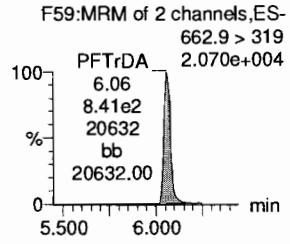

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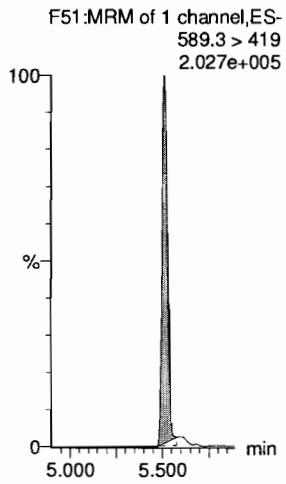
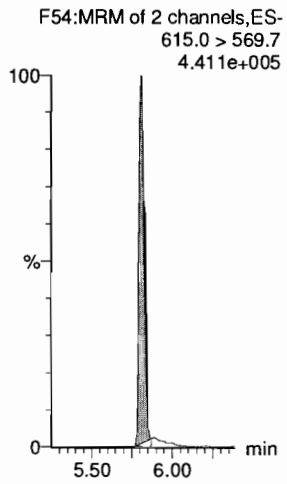
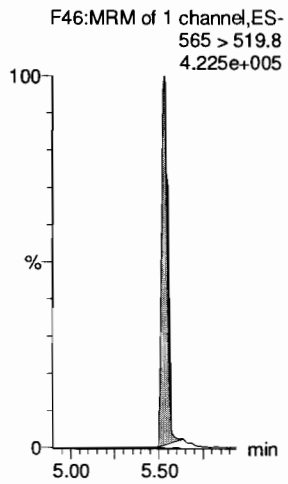


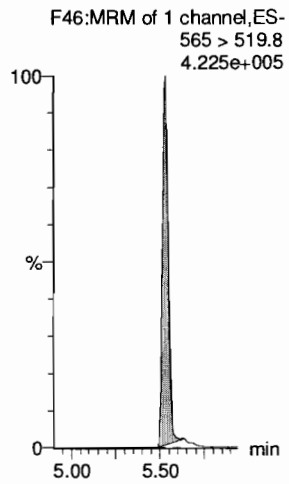
13C2-PFDoA



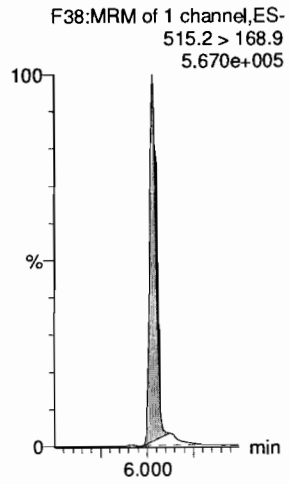
13C2-PFUdA



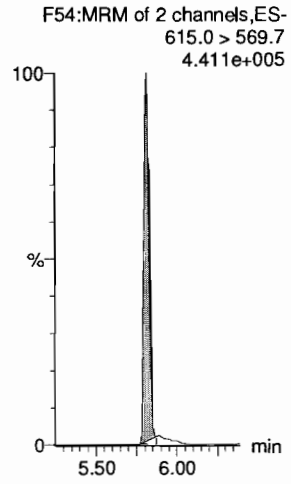
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

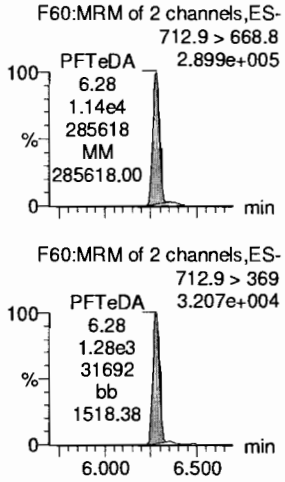


Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-38.qld

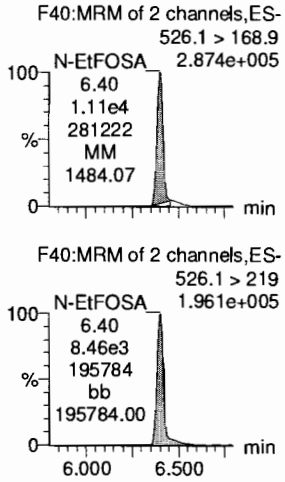
Last Altered: Wednesday, February 28, 2018 12:18:40 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:20:06 Pacific Standard Time

Name: 180227M1_38, Date: 28-Feb-2018, Time: 02:23:40, ID: ST180227M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

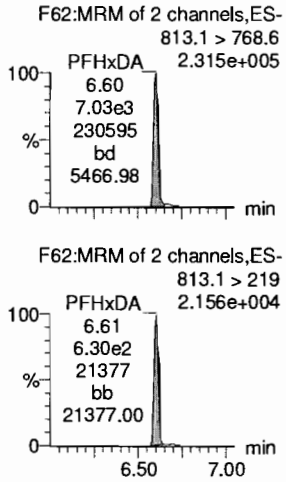
PFTeDA



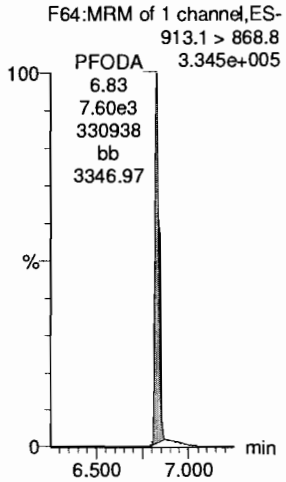
N-EtFOSA



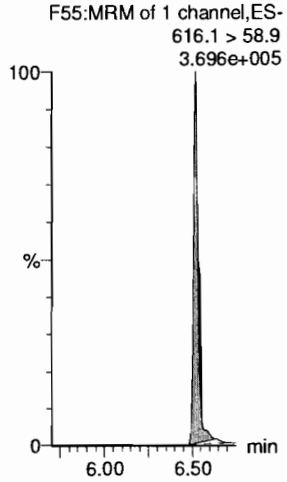
PFHxDA



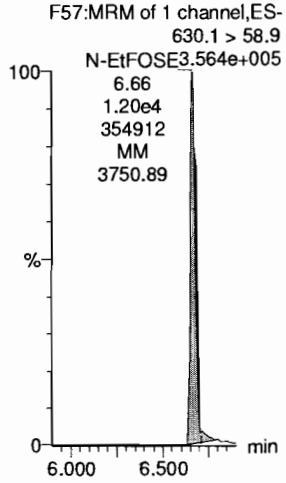
PFODA



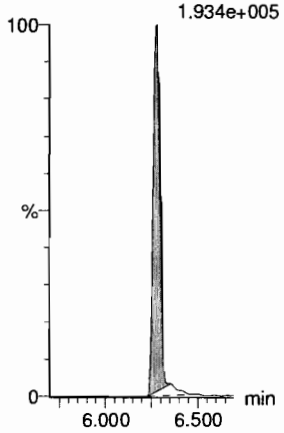
N-MeFOSE



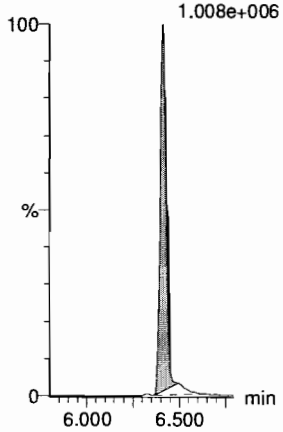
N-EtFOSE



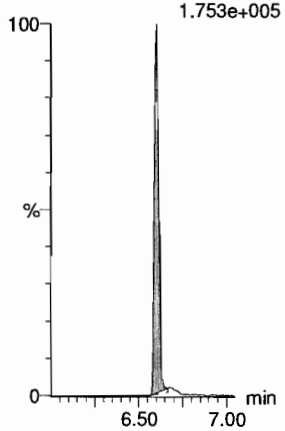
13C2-PFTeDA



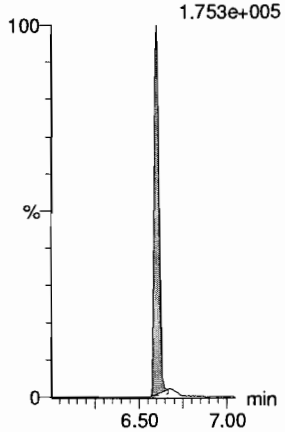
d5-N-ETFOSA



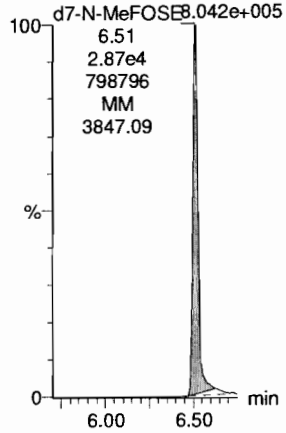
13C2-PFHxDA



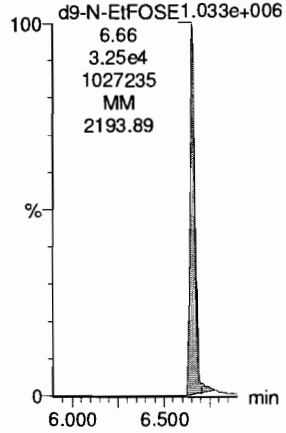
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

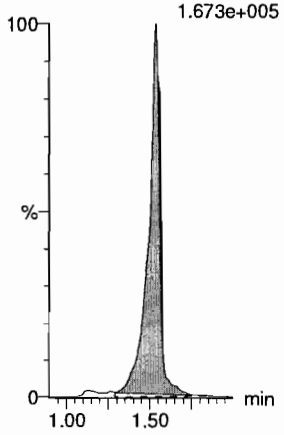


Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-38.qld

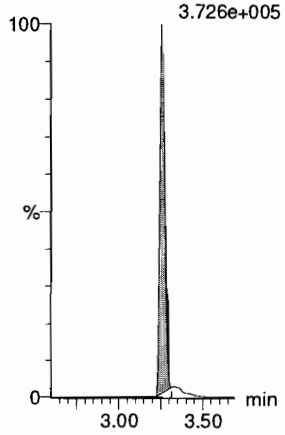
Last Altered: Wednesday, February 28, 2018 12:18:40 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:20:06 Pacific Standard Time

Name: 180227M1_38, Date: 28-Feb-2018, Time: 02:23:40, ID: ST180227M1-11 PFC CS3 18B2317, Description: PFC CS3 18B2317

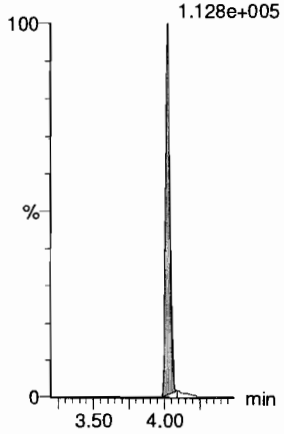
13C4-PFBA



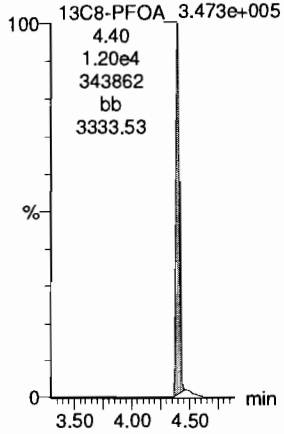
13C5-PFHxA



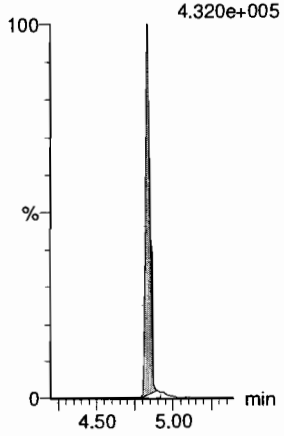
13C3-PFHxS



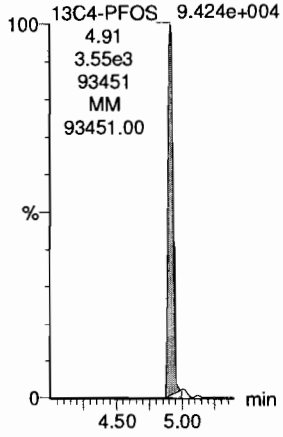
13C8-PFOA



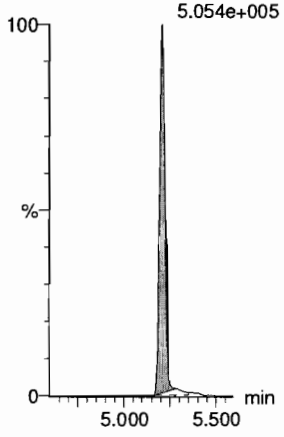
13C9-PFNA



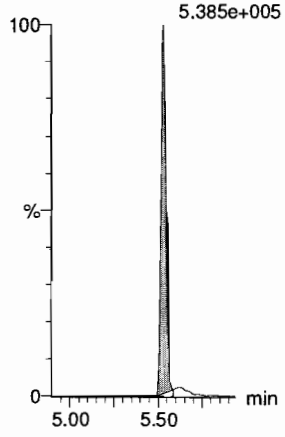
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-68.qld

Last Altered: Wednesday, February 28, 2018 12:41:31 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:41:58 Pacific Standard Time

Rev 0 JH 03/01/2018

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_68, Date: 28-Feb-2018, Time: 08:07:48, ID: ST180227M1-12 PFC CS0 18B2314, Description: PFC CS0 18B2314

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1	PFBA	213.0 > 168.8	1.02e3	1.10e4		1.46	1.53	1.16	1.03	103.4	NO
2	2	PFPeA	263.1 > 218.9	1.27e3	1.59e4		2.31	2.50	0.999	1.08	108.4	NO
3	3	PFBS	299.0 > 79.7	3.69e2	2.02e3		2.60	2.76	2.28	1.29	128.5	NO
4	4	4:2 FTS	327.2>307.2	2.50e2	2.02e3		3.00	3.16	1.55	1.17	116.9	NO
5	5	PFHxA	313.2 > 268.9	1.48e3	4.73e3		3.19	3.25	1.56	0.987	98.7	NO
6	6	PFPeS	349.1>80.1	3.69e2	2.02e3		3.39	3.45	2.28	1.27	127.3	NO
7	7	PFHpA	363.0 > 318.9	1.37e3	1.16e4		3.81	3.87	1.48	1.13	113.0	NO
8	8	L-PFHxS	398.9 > 79.6	2.12e2	1.60e3		4.17	4.02	1.65	0.866	86.6	NO
9	10	6:2 FTS	427.1 > 407	3.36e2	1.96e4		4.28	4.34	0.214	1.04	103.7	NO
10	11	L-PFOA	413 > 368.7	1.35e3	1.96e4		4.40	4.39	0.861	0.770	77.0	NO
11	13	PFHpS	449 > 80.0	3.33e2	1.96e4		4.44	4.50	0.213	1.00	100.1	NO
12	14	PFNA	463.0 > 418.8	1.59e3	1.58e4		4.76	4.82	1.26	0.960	96.0	NO
13	15	PFOSA	498.1 > 77.8	4.08e2	5.41e3		4.83	4.89	0.943	0.866	86.6	NO
14	16	L-PFOS	499 > 79.9	3.96e2	4.48e3		4.69	4.90	1.10	1.16	116.4	NO
15	18	PFDA	513 > 468.8	2.05e3	1.60e4		5.14	5.20	1.61	1.04	104.4	NO
16	19	8:2 FTS	527 > 506.9	3.17e2	1.96e4		5.12	5.17	0.202	0.812	81.2	NO
17	20	PFNS	549.1>80.1	3.06e2	4.48e3		5.08	5.26	0.853	0.962	96.2	NO
18	21	N-MeFOSAA	570.1 > 419	6.14e2	7.45e3		5.29	5.35	1.03	0.702	70.2	NO
19	22	N-EtFOSAA	584.2 > 419	5.07e2	7.85e3		5.45	5.50	0.807	0.771	77.1	NO
20	23	PFUdA	563.0 > 518.9	1.48e3	1.92e4		5.46	5.52	0.963	0.979	97.9	NO
21	24	PFDS	598.8 > 80	3.88e2	1.92e4		5.51	5.56	0.252	0.914	91.4	NO
22	25	PFDoA	612.9 > 569.0	1.51e3	1.90e4		5.74	5.80	0.995	0.867	86.7	NO
23	26	N-MeFOSA	512.1 > 168.9	9.54e2	2.45e4		5.84	5.99	5.83	6.45	129.0	NO
24	27	PFTrDA	662.9 > 618.9	1.95e3	1.90e4		5.98	6.05	1.29	0.960	96.0	NO
25	28	PFTeDA	712.9 > 668.8	1.49e3	7.96e3		6.20	6.26	2.34	1.05	104.6	NO
26	29	N-EtFOSA	526.1 > 168.9	1.28e3	4.08e4		6.22	6.39	4.70	5.55	110.9	NO
27	30	PFHxDA	813.1 > 768.6	8.19e2	5.85e3		6.51	6.59	0.700	1.03	103.3	NO
28	31	PFODA	913.1 > 868.8	9.44e2	5.85e3		6.74	6.82	0.806	1.05	105.4	NO
29	32	N-MeFOSE	616.1 > 58.9	1.23e3	3.66e4		6.31	6.51	5.03	4.82	96.4	NO
30	33	N-EtFOSE	630.1 > 58.9	1.14e3	3.08e4		6.45	6.66	5.54	4.06	81.3	NO
31	34	13C3-PFBA	216.1 > 171.8	1.10e4	1.25e4	0.940	1.46	1.53	11.0	11.7	93.4	NO
32	35	13C3-PFPeA	266. > 221.8	1.59e4	1.64e4	0.948	2.42	2.49	12.1	12.8	102.3	NO

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Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-68.qld

Last Altered: Wednesday, February 28, 2018 12:41:31 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:41:58 Pacific Standard Time

Name: 180227M1_68, Date: 28-Feb-2018, Time: 08:07:48, ID: ST180227M1-12 PFC CS0 18B2314, Description: PFC CS0 18B2314

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
33	36	13C3-PFBS	302. > 98.8	2.02e3	1.64e4	0.131	2.69	2.76	1.54	11.7	93.6	NO
34	37	13C2-PFHxA	315 > 269.8	4.73e3	1.64e4	0.740	3.19	3.26	3.60	4.86	97.2	NO
35	38	13C4-PFHpA	367.2 > 321.8	1.16e4	1.64e4	0.776	3.81	3.87	8.83	11.4	91.0	NO
36	39	18O2-PFHxS	403.0 > 102.6	1.60e3	3.91e3	0.412	3.96	4.02	5.13	12.4	99.5	NO
37	40	13C2-PFOA	414.9 > 369.7	1.96e4	1.33e4	1.891	4.33	4.39	18.4	9.73	77.8	NO
38	41	13C5-PFNA	468.2 > 422.9	1.58e4	1.60e4	0.959	4.76	4.83	12.4	12.9	103.1	NO
39	42	13C8-PFOSA	506.1 > 77.7	5.41e3	1.84e4	0.308	4.83	4.89	3.68	11.9	95.6	NO
40	43	13C8-PFOS	507.0 > 79.9	4.48e3	4.13e3	1.096	4.84	4.90	13.6	12.4	98.9	NO
41	44	13C2-PFDA	515.1 > 469.9	1.60e4	1.84e4	0.926	5.14	5.20	10.9	11.7	94.0	NO
42	45	d3-N-MeFOSAA	573.3 > 419	7.45e3	1.84e4	0.359	5.29	5.35	5.07	14.1	113.0	NO
43	46	d5-N-EtFOSAA	589.3 > 419	7.85e3	1.84e4	0.435	5.45	5.50	5.33	12.3	98.2	NO
44	47	13C2-PFUdA	565 > 519.8	1.92e4	1.84e4	1.138	5.46	5.52	13.1	11.5	92.0	NO
45	48	13C2-PFDoA	615.0 > 569.7	1.90e4	1.84e4	1.059	5.74	5.80	12.9	12.2	97.5	NO
46	49	d3-N-MeFOSA	515.2 > 168.9	2.45e4	1.84e4	0.151	5.84	6.02	16.7	111	73.7	NO
47	50	13C2-PFTeDA	714.8 > 669.6	7.96e3	1.84e4	0.484	6.20	6.26	5.41	11.2	89.5	NO
48	51	d5-N-ETFOSA	531.1 > 168.9	4.08e4	1.84e4	0.215	6.22	6.41	27.7	129	86.0	NO
49	52	13C2-PFHxDA	815 > 769.7	5.85e3	1.84e4	0.741	6.51	6.59	3.98	5.37	107.4	NO
50	53	d7-N-MeFOSE	623.1 > 58.9	3.66e4	1.84e4	0.186	6.31	6.51	24.9	133	89.0	NO
51	54	d9-N-EtFOSE	639.2 > 58.8	3.08e4	1.84e4	0.159	6.45	6.65	21.0	132	87.7	NO
52	55	13C4-PFBA	217. > 171.8	1.25e4	1.25e4	1.000	1.46	1.53	12.5	12.5	100.0	NO
53	56	13C5-PFHxA	318 > 272.9	1.64e4	1.64e4	1.000	3.19	3.25	12.5	12.5	100.0	NO
54	57	13C3-PFHxS	401.9 > 79.9	3.91e3	3.91e3	1.000	3.96	4.02	12.5	12.5	100.0	NO
55	58	13C8-PFOA	421.3 > 376	1.33e4	1.33e4	1.000	4.33	4.39	12.5	12.5	100.0	NO
56	59	13C9-PFNA	472.2 > 426.9	1.60e4	1.60e4	1.000	4.70	4.83	12.5	12.5	100.0	NO
57	60	13C4-PFOS	503 > 79.9	4.13e3	4.13e3	1.000	4.84	4.90	12.5	12.5	100.0	NO
58	61	13C6-PFDA	519.1 > 473.7	1.84e4	1.84e4	1.000	5.14	5.20	12.5	12.5	100.0	NO
59	62	13C7-PFUdA	570.1 > 524.8	1.84e4	1.84e4	1.000	5.46	5.52	12.5	12.5	100.0	NO

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Dataset: Untitled

Last Altered: Thursday, March 01, 2018 11:28:47 Pacific Standard Time
Printed: Thursday, March 01, 2018 11:28:58 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 13:19:45
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180227M1_1	IPA	27-Feb-18	19:19:16
2	180227M1_2	ST180227M1-1 PFC CS-2 18B2312	27-Feb-18	19:30:40
3	180227M1_3	ST180227M1-2 PFC CS-1 18B2313	27-Feb-18	19:42:07
4	180227M1_4	ST180227M1-3 PFC CS0 18B2314	27-Feb-18	19:53:34
5	180227M1_5	ST180227M1-4 PFC CS1 18B2315	27-Feb-18	20:05:03
6	180227M1_6	ST180227M1-5 PFC CS2 18B2316	27-Feb-18	20:16:34
7	180227M1_7	ST180227M1-6 PFC CS3 18B2317	27-Feb-18	20:28:00
8	180227M1_8	ST180227M1-7 PFC CS4 18B2318	27-Feb-18	20:39:30
9	180227M1_9	ST180227M1-8 PFC CS5 18B2319	27-Feb-18	20:51:00
10	180227M1_10	ST180227M1-9 PFC CS6 18B2320	27-Feb-18	21:02:27
11	180227M1_11	ST180227M1-10 PFC CS7 18B2321	27-Feb-18	21:13:56
12	180227M1_12	IPA	27-Feb-18	21:25:26
13	180227M1_13	ICV180227M1-1 PFC ICV 18B2311	27-Feb-18	21:36:56
14	180227M1_14	IPA	27-Feb-18	21:48:26
15	180227M1_15	1800170-01@5X MBR Grab 0.02037	27-Feb-18	21:59:52
16	180227M1_16	1800170-02@20x TANK 3 Comp 0.02084	27-Feb-18	22:11:23
17	180227M1_17	B8B0010-BS1 OPR 0.25	27-Feb-18	22:22:52
18	180227M1_18	B8B0010-MSD1 Matrix Spike Dup 0.11689	27-Feb-18	22:34:19
19	180227M1_19	B8B0010-MS1 Matrix Spike 0.11755	27-Feb-18	22:45:46
20	180227M1_20	B8B0096-BS1 OPR 0.125	27-Feb-18	22:57:13
21	180227M1_21	B8B0096-BLK1 Method Blank 0.125	27-Feb-18	23:08:40
22	180227M1_22	B8B0096-MS1 Matrix Spike 0.11568	27-Feb-18	23:20:09
23	180227M1_23	B8B0096-MSD1 Matrix Spike Dup 0.1188	27-Feb-18	23:31:38
24	180227M1_24	1800298-01 REEPDW155 0.11708	27-Feb-18	23:43:09
25	180227M1_25	1800298-02 REEPDW156 0.11596	27-Feb-18	23:54:38
26	180227M1_26	1800298-03 REEPDW157 0.12015	28-Feb-18	00:06:08
27	180227M1_27	1800298-04 REEPDW158 0.1178	28-Feb-18	00:17:39
28	180227M1_28	1800298-05 REEPDW159 0.11737	28-Feb-18	00:29:05
29	180227M1_29	1800299-01 REEPDW155FRB 0.11474	28-Feb-18	00:40:35
30	180227M1_30	1800299-02 REEPDW156FRB 0.1178	28-Feb-18	00:52:05
31	180227M1_31	1800299-03 REEPDW157FRB 0.11643	28-Feb-18	01:03:32

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Compound name: PFBA

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32	180227M1_32	1800299-04 REEPDW158FRB 0.11892	28-Feb-18	01:14:59
33	180227M1_33	1800299-05 REEPDW159FRB 0.11693	28-Feb-18	01:26:25
34	180227M1_34	1800301-01 REEPDW160 0.11595	28-Feb-18	01:37:52
35	180227M1_35	1800301-02 REEPDW515 0.11695	28-Feb-18	01:49:19
36	180227M1_36	1800301-03 REEPDW161 0.11505	28-Feb-18	02:00:46
37	180227M1_37	IPA	28-Feb-18	02:12:13
38	180227M1_38	ST180227M1-11 PFC CS3 18B2317	28-Feb-18	02:23:40
39	180227M1_39	IPA	28-Feb-18	02:35:07
40	180227M1_40	1800301-04 REEPDW162 0.11664	28-Feb-18	02:46:37
41	180227M1_41	1800301-05 REEPDW163 0.11483	28-Feb-18	02:58:04
42	180227M1_42	1800302-01 REEPDW160FRB 0.11761	28-Feb-18	03:09:34
43	180227M1_43	1800302-02 REEPDW161FRB 0.1172	28-Feb-18	03:21:01
44	180227M1_44	1800302-03 REEPDW162FRB 0.11535	28-Feb-18	03:32:30
45	180227M1_45	1800302-04 REEPDW163FRB 0.11575	28-Feb-18	03:44:00
46	180227M1_46	1800308-11 OF-FB54-0218 0.11801	28-Feb-18	03:55:29
47	180227M1_47	1800308-16 OF-RW24-0218 0.11552	28-Feb-18	04:06:59
48	180227M1_48	1800308-17 OF-FB24-0218 0.11631	28-Feb-18	04:18:28
49	180227M1_49	1800308-18 OF-RW46-0218 0.11424	28-Feb-18	04:29:50
50	180227M1_50	B8B0126-BS1 OPR 0.125	28-Feb-18	04:41:17
51	180227M1_51	B8B0126-BSD1 LCSD 0.125	28-Feb-18	04:52:44
52	180227M1_52	B8B0126-BLK1 Method Blank 0.125	28-Feb-18	05:04:13
53	180227M1_53	1800333-01 REEPDW186 0.12089	28-Feb-18	05:15:40
54	180227M1_54	1800333-02 REEPDW187 0.11479	28-Feb-18	05:27:10
55	180227M1_55	1800333-03 REEPDW188 0.12197	28-Feb-18	05:38:37
56	180227M1_56	1800333-04 REEPDW153 0.12159	28-Feb-18	05:50:06
57	180227M1_57	1800334-01 REEPDW186FRB 0.12155	28-Feb-18	06:01:33
58	180227M1_58	1800334-02 REEPDW187FRB 0.12044	28-Feb-18	06:13:03
59	180227M1_59	1800334-03 REEPDW188FRB 0.12213	28-Feb-18	06:24:32
60	180227M1_60	1800334-04 REEPDW153FRB 0.12039	28-Feb-18	06:36:01
61	180227M1_61	B8B0130-BS1 OPR 0.125	28-Feb-18	06:47:28
62	180227M1_62	B8B0130-BLK1 Method Blank 0.125	28-Feb-18	06:58:58
63	180227M1_63	B8B0130-MS1 Matrix Spike 0.11711	28-Feb-18	07:10:26
64	180227M1_64	B8B0130-MSD1 Matrix Spike Dup 0.11705	28-Feb-18	07:21:55
65	180227M1_65	1800340-01 WI-AF-MW-614-0218 0.11804	28-Feb-18	07:33:26

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Compound name: PFBA

(A) over 10 samples, invalid.

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66	180227M1_66	1800340-02 WI-AF-MW-613-0218 0.11332	28-Feb-18	07:44:52
67	180227M1_67	IPA	28-Feb-18	07:56:19
68	180227M1_68	ST180227M1-12 PFC CS0 18B2314	28-Feb-18	08:07:48
69	180227M1_69	IPA	28-Feb-18	08:19:18
70	180227M1_70	1800340-03 WI-AF-FB02-021418 0.12011	28-Feb-18	08:30:48
71	180227M1_71	1800340-04 WI-AF-EB02-021418 0.12032	28-Feb-18	08:42:17
72	180227M1_72	1800340-05 WI-AF-MW-612-0218 0.12001	28-Feb-18	08:53:47
73	180227M1_73	1800340-06 WI-AF-EB02-021518 0.12104	28-Feb-18	09:05:16
74	180227M1_74	1800340-07 WI-AF-MW-608-0218 0.11965	28-Feb-18	09:16:42
75	180227M1_75	1800340-08 WI-AF-MW-606-0218 0.11972	28-Feb-18	09:28:12
76	180227M1_76	1800340-09 WI-AF-MW-606P-0218 0.11838	28-Feb-18	09:39:41
77	180227M1_77	1800340-10 WI-AF-FB02-021618 0.12267	28-Feb-18	09:51:11
78	180227M1_78	1800340-11 WI-AF-MW-607-0218 0.11368	28-Feb-18	10:02:41
79	180227M1_79	1800340-12 WI-AF-MW-605-0218 0.11974	28-Feb-18	10:14:10
80	180227M1_80	1800340-13 WI-AF-MW-609-0218 0.11956	28-Feb-18	10:25:40
81	180227M1_81	1800341-01 WI-AF-MW-N3-12-0218 0.11794	28-Feb-18	10:37:10
82	180227M1_82	1800341-02 WI-AF-3-MW-2-0218 0.12097	28-Feb-18	10:48:39
83	180227M1_83	1800341-03 WI-AF-N29-22D-0218 0.11995	28-Feb-18	11:00:08
84	180227M1_84	1800341-04 WI-AF-FB01-021918 0.11668	28-Feb-18	11:11:38
85	180227M1_85	1800341-05 WI-AF-EB01-021918 0.12143	28-Feb-18	11:23:07
86	180227M1_86	1800342-20 WI-AF-MW-200-0218 0.11976 (A)	28-Feb-18	11:34:36
87	180227M1_87	IPA	28-Feb-18	11:46:03
88	180227M1_88	ST180227M1-13 PFC CS3 18B2317	28-Feb-18	11:57:30
89	180227M1_89	IPA	28-Feb-18	12:08:57
90	180227M1_90	1800342-21 WI-AF-EB01-021818 0.12006	28-Feb-18	12:20:24
91	180227M1_91	B8B0129-BS1 OPR 0.125	28-Feb-18	12:31:51
92	180227M1_92	B8B0129-BLK1 Method Blank 0.125	28-Feb-18	12:43:17
93	180227M1_93	B8B0129-MS1 Matrix Spike 0.11962	28-Feb-18	12:54:44
94	180227M1_94	B8B0129-MSD1 Matrix Spike Dup 0.12145	28-Feb-18	13:06:11
95	180227M1_95	1800332-01 OF-RW42B-MID01-0218 0.11601	28-Feb-18	13:17:38
96	180227M1_96	1800332-02 OF-RW42B-EFF01-0218 0.1211	28-Feb-18	13:29:08
97	180227M1_97	1800332-03 OF-RW42B-FB01-0218 0.12204	28-Feb-18	13:40:38
98	180227M1_98	1800332-04 OF-RW42C-INF01-0218 0.1208	28-Feb-18	13:52:07
99	180227M1_99	1800332-05 OF-RW42C-MID01-0218 0.12063	28-Feb-18	14:03:37

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Compound name: PFBA

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102	180227M1_102	1800332-08 OF-INF01-WT-021418 0.11784	28-Feb-18	14:37:52
103	180227M1_103	1800332-09 OF-MID01-WT-021418 0.11976	28-Feb-18	14:49:19
104	180227M1_104	1800332-10 OF-FB01-WT-021418 0.12199	28-Feb-18	15:00:46
105	180227M1_105	1800332-11 OF-EFF01-WT-021418 0.12052	28-Feb-18	15:12:12
106	180227M1_106	1800332-12 OF-EFF01P-WT-021418 0.12067	28-Feb-18	15:23:42
107	180227M1_107	1800337-01 REEPDW189 0.12105	28-Feb-18	15:35:11
108	180227M1_108	1800338-01 REEPDW189FRB 0.12225	28-Feb-18	15:46:41
109	180227M1_109	IPA	28-Feb-18	15:58:10
110	180227M1_110	ST180227M1-14 PFC CS3 18B2317	28-Feb-18	16:09:37
111	180227M1_111	IPA	28-Feb-18	16:21:07
112	180227M1_112	1800339-01 WI-A06-MW-06-0218 0.11846	28-Feb-18	16:32:36
113	180227M1_113	1800339-02 WI-A06-FB01-021618 0.12165	28-Feb-18	16:44:06
114	180227M1_114	1800339-03 WI-A06-EB01-021618 0.12121	28-Feb-18	16:55:33
115	180227M1_115	1800339-04 WI-A06-S-01-0218 0.12143	28-Feb-18	17:07:03
116	180227M1_116	1800339-05 WI-A06-S-01P-0218 0.12184	28-Feb-18	17:18:32
117	180227M1_117	1800339-06 WI-A06-FB01-021918 0.12222	28-Feb-18	17:30:02
118	180227M1_118	IPA	28-Feb-18	17:41:23
119	180227M1_119	ST180227M1-15 PFC CS3 18B2317	28-Feb-18	17:52:50
120	180227M1_120	IPA	28-Feb-18	18:04:17

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Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-68.qld

Last Altered: Wednesday, February 28, 2018 12:41:31 Pacific Standard Time
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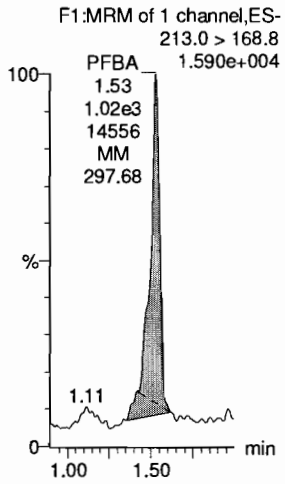
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_68, Date: 28-Feb-2018, Time: 08:07:48, ID: ST180227M1-12 PFC CS0 18B2314, Description: PFC CS0 18B2314

PFBA



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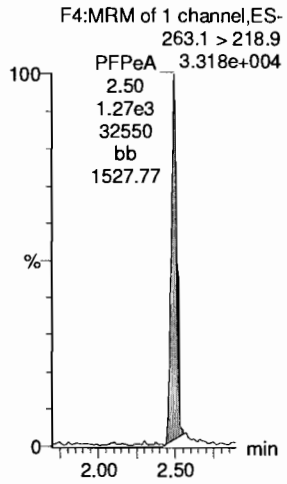

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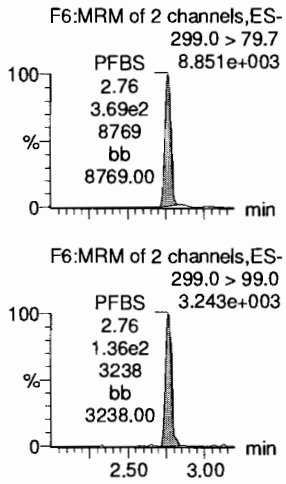

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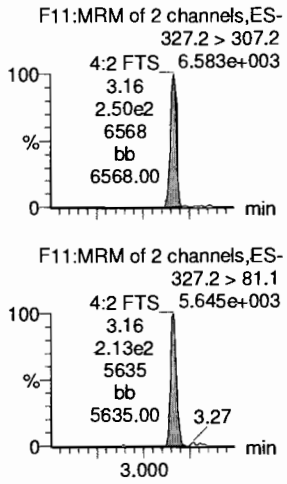

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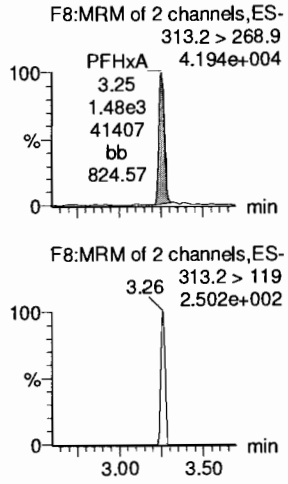

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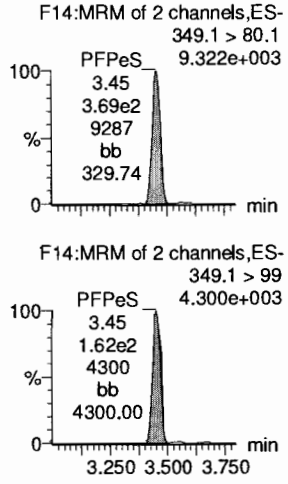

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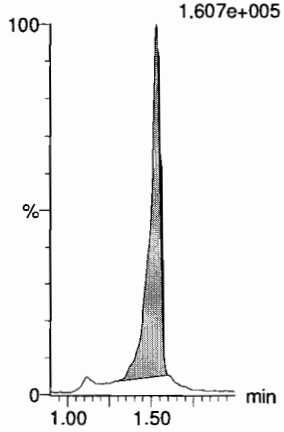

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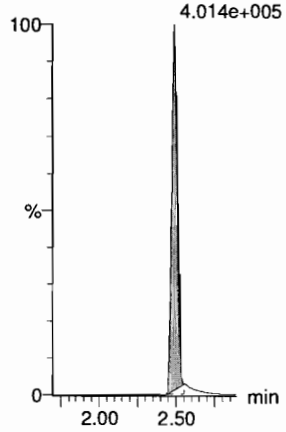

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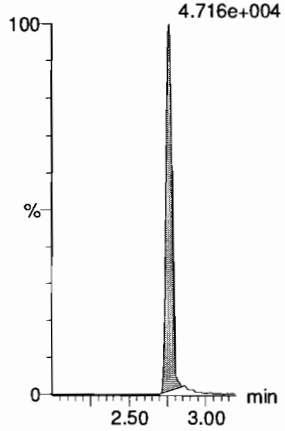

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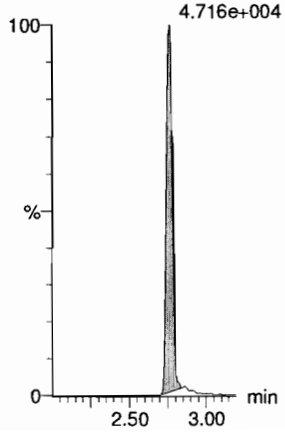

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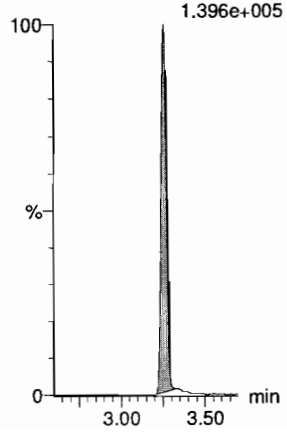

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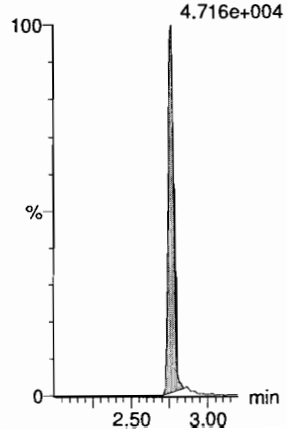

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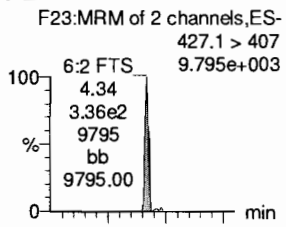
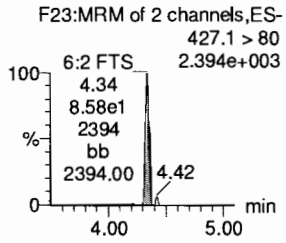
Printed: Wednesday, February 28, 2018 12:41:58 Pacific Standard Time

Name: 180227M1_68, Date: 28-Feb-2018, Time: 08:07:48, ID: ST180227M1-12 PFC CS0 18B2314, Description: PFC CS0 18B2314

6:2 FTS





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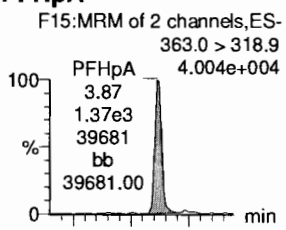

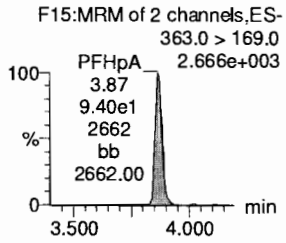

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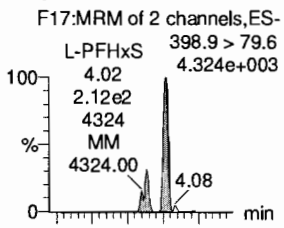

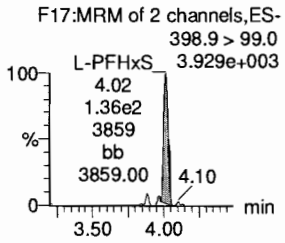

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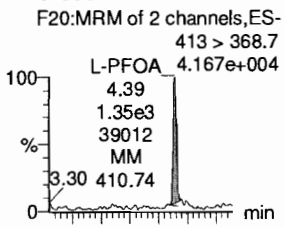

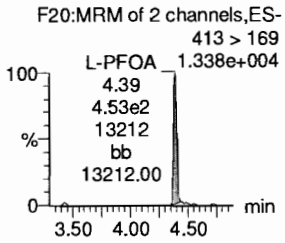

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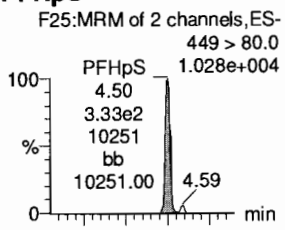

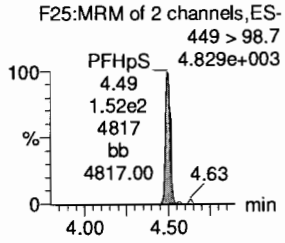

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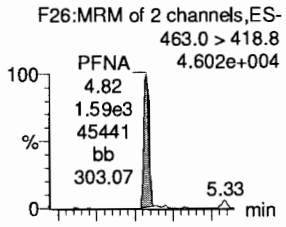
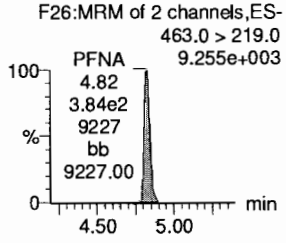
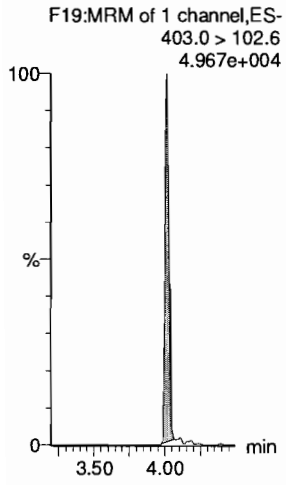
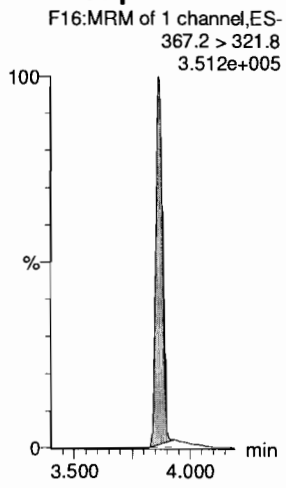




18O2-PFHxS



13C4-PFHpA



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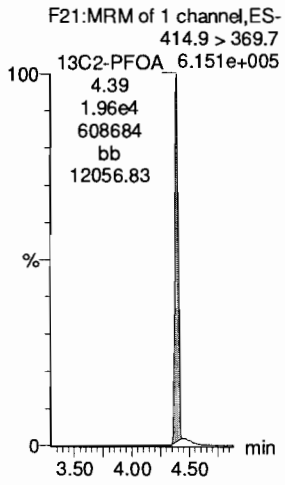

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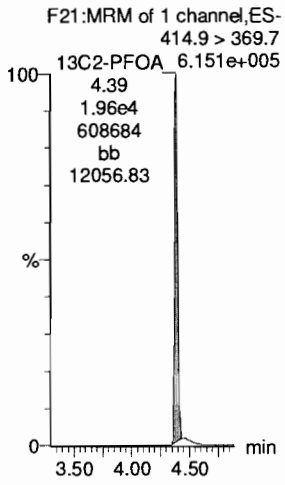

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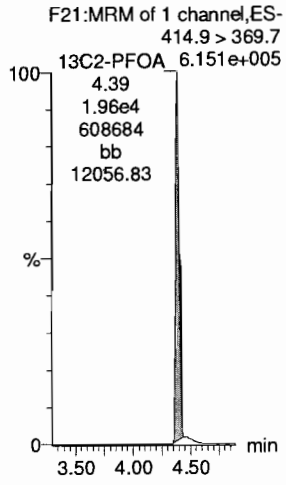

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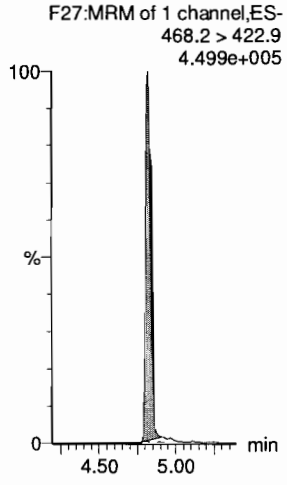

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Last Altered: Wednesday, February 28, 2018 12:41:31 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:41:58 Pacific Standard Time

Name: 180227M1_68, Date: 28-Feb-2018, Time: 08:07:48, ID: ST180227M1-12 PFC CS0 18B2314, Description: PFC CS0 18B2314

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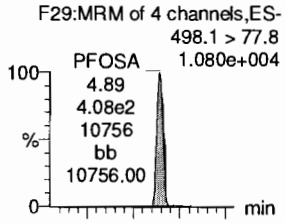

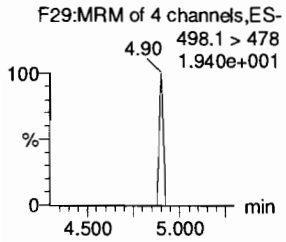

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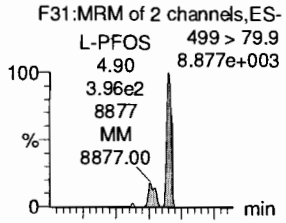

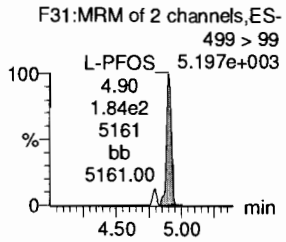

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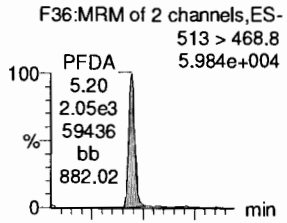
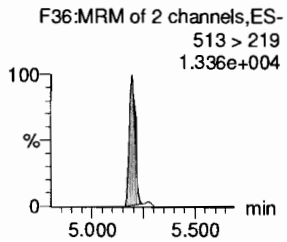
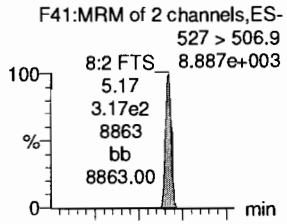
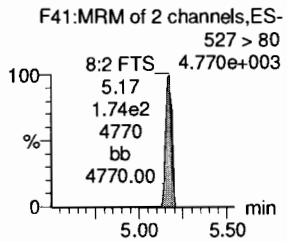




8:2 FTS





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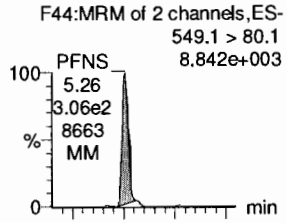

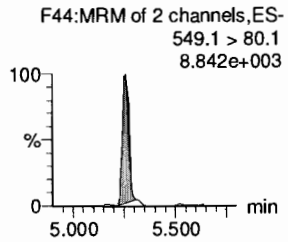

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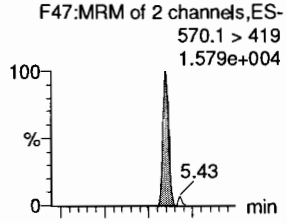

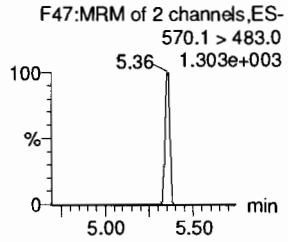

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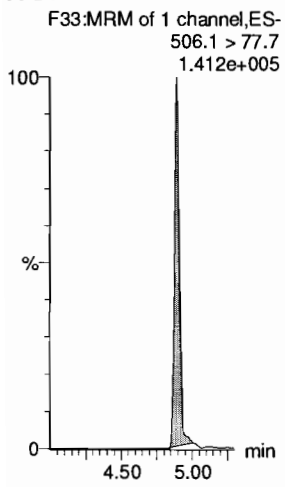

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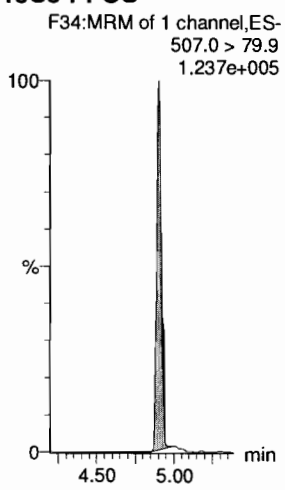

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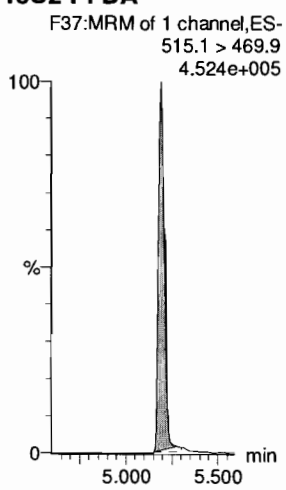

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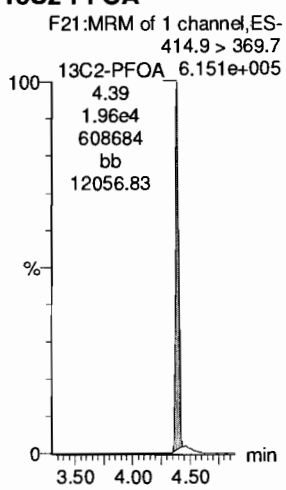

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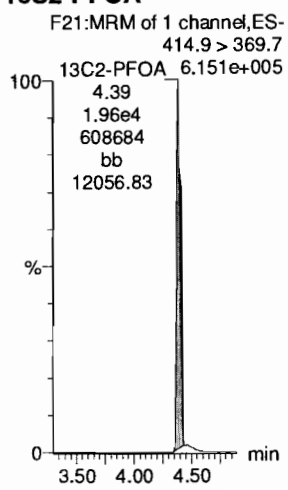

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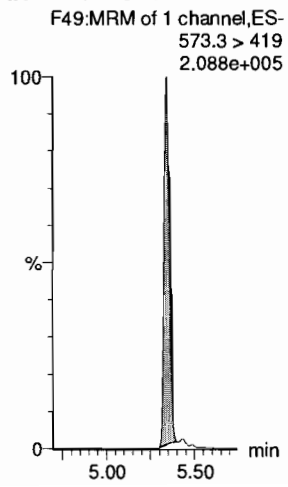

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Last Altered: Wednesday, February 28, 2018 12:41:31 Pacific Standard Time
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Name: 180227M1_68, Date: 28-Feb-2018, Time: 08:07:48, ID: ST180227M1-12 PFC CS0 18B2314, Description: PFC CS0 18B2314

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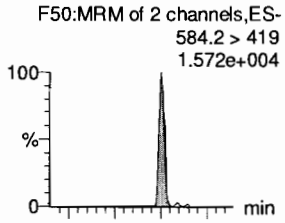

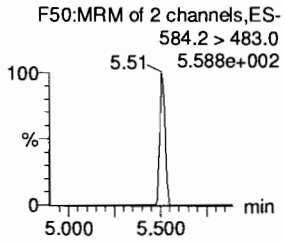

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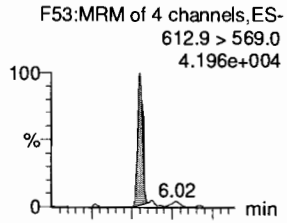

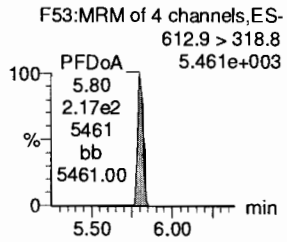

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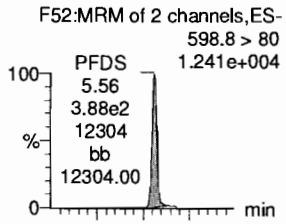

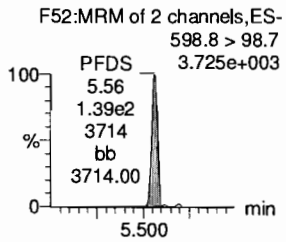

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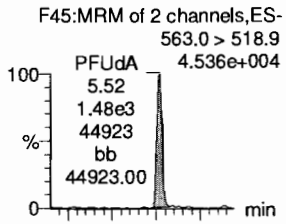

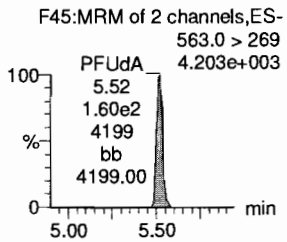

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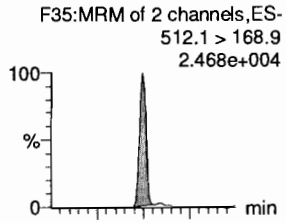

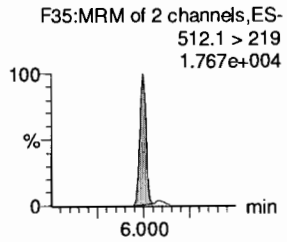

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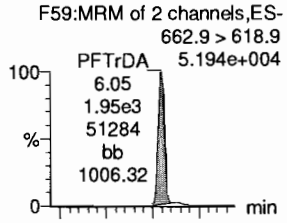

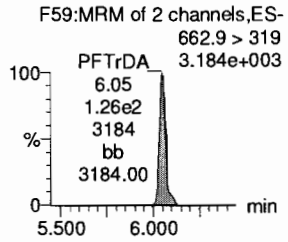

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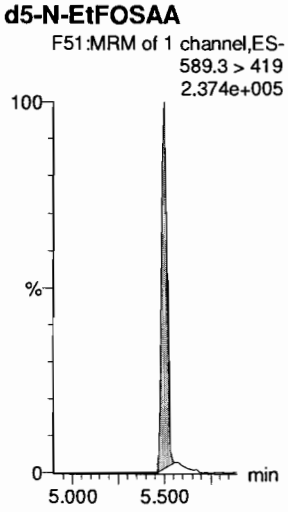

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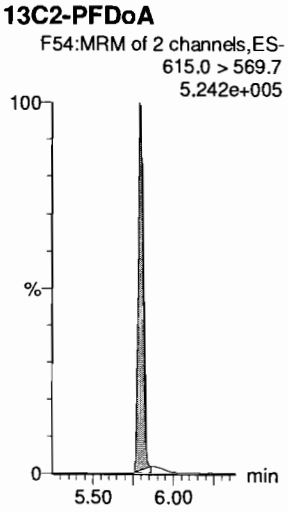

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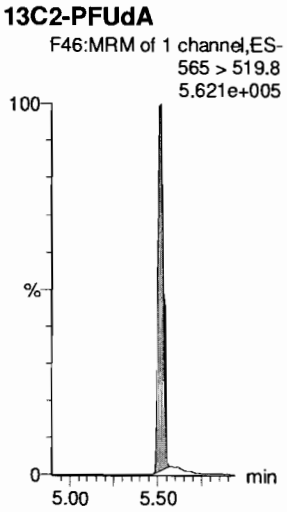

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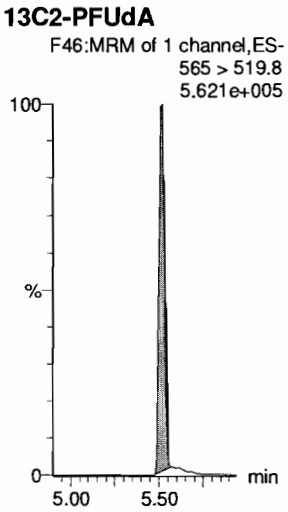

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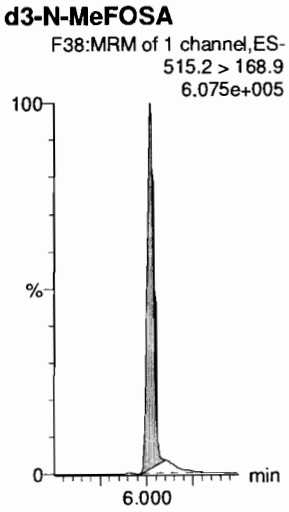

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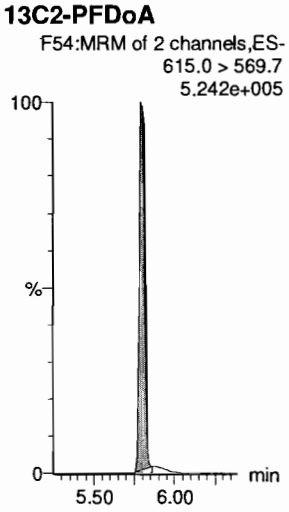

Vista Analytical Laboratory

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Name: 180227M1_68, Date: 28-Feb-2018, Time: 08:07:48, ID: ST180227M1-12 PFC CS0 18B2314, Description: PFC CS0 18B2314

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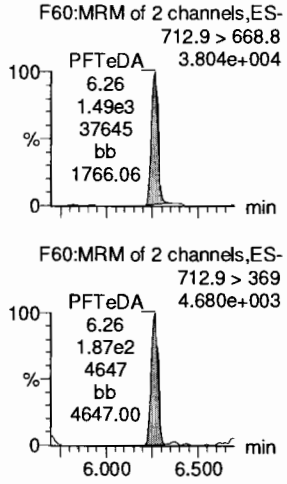

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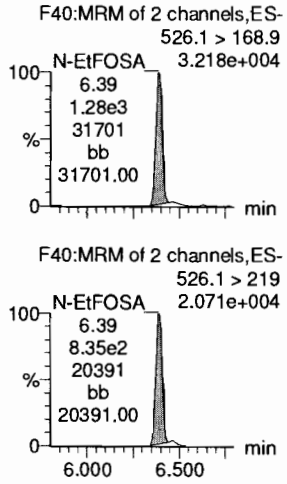

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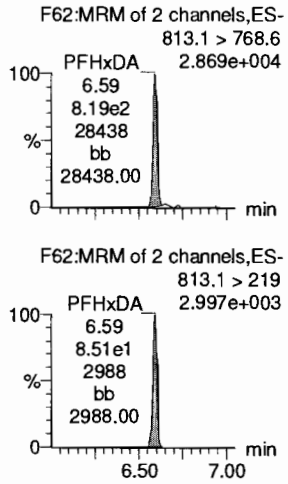
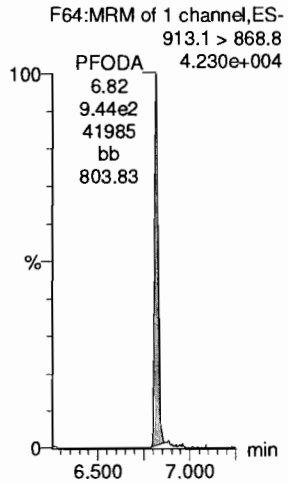


PFODA



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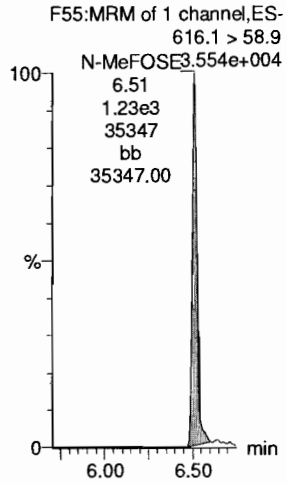
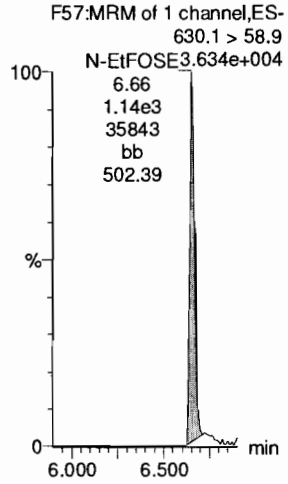


N-EtFOSE



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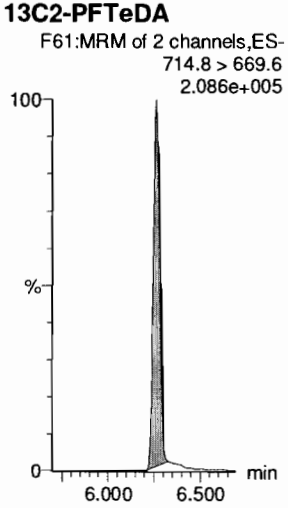
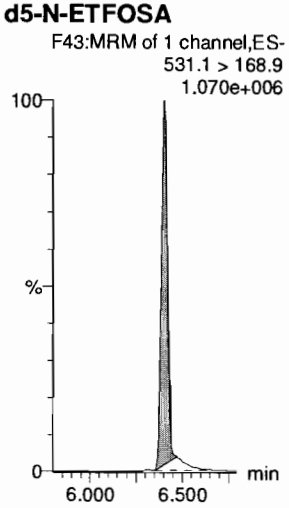


d5-N-ETFOSA



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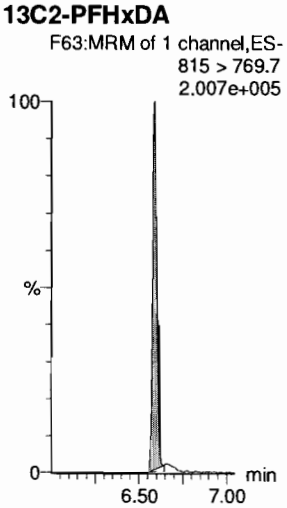

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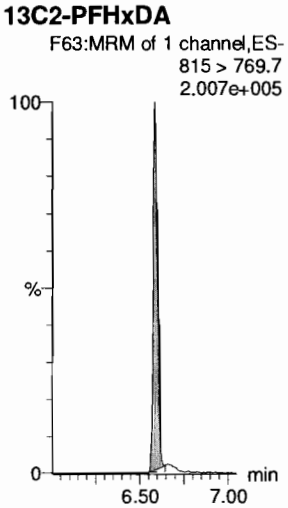
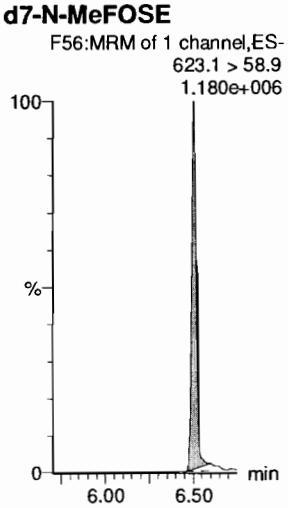
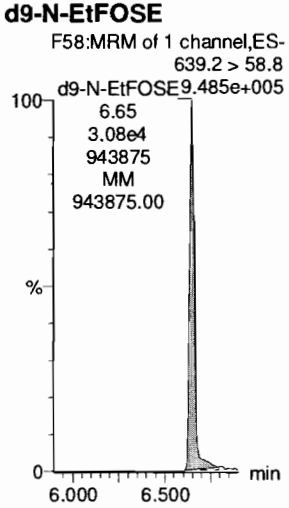


d7-N-MeFOSE



d9-N-EtFOSE

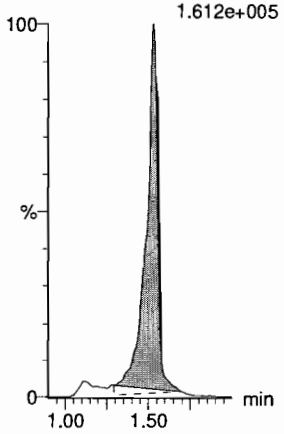


Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-68.qld

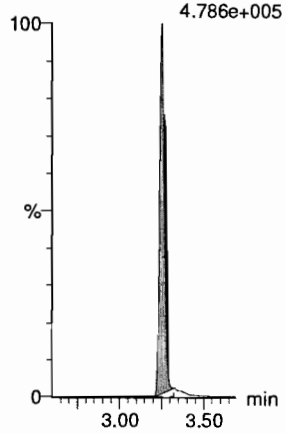
Last Altered: Wednesday, February 28, 2018 12:41:31 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:41:58 Pacific Standard Time

Name: 180227M1_68, Date: 28-Feb-2018, Time: 08:07:48, ID: ST180227M1-12 PFC CS0 18B2314, Description: PFC CS0 18B2314

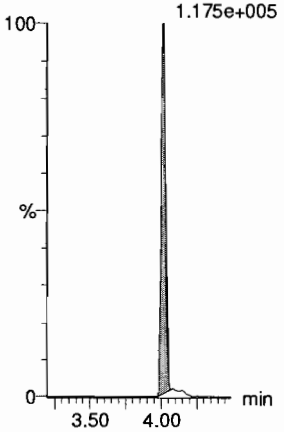
13C4-PFBA



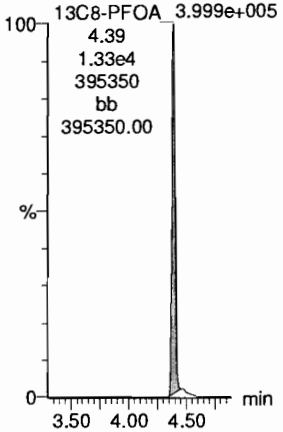
13C5-PFHxA



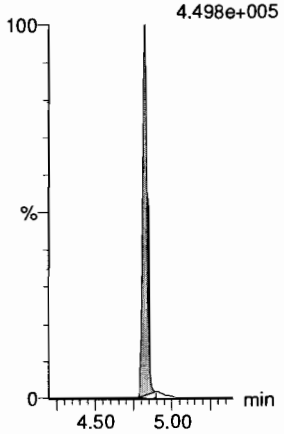
13C3-PFHxS



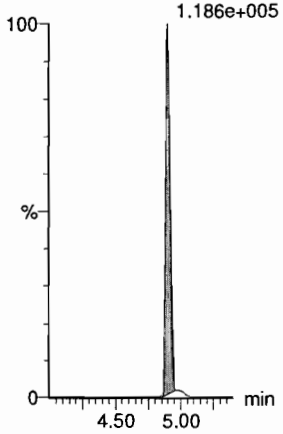
13C8-PFOA



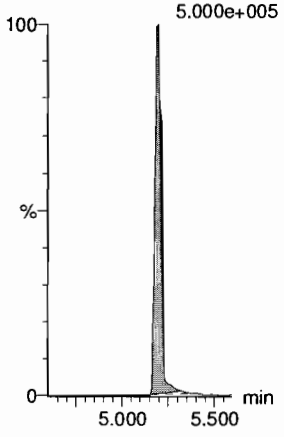
13C9-PFNA



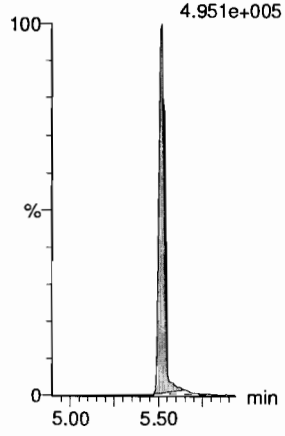
13C4-PFOS



13C6-PFDA



13C7-PFUdA



INITIAL CALIBRATION (ICAL)

INCLUDING ASSOCIATED

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

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:02:36 Pacific Standard Time

VJA 02/24/2018

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022218.mdb 23 Feb 2018 08:58:55
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 14:25:54

Compound name: PFBA
Correlation coefficient: r = 0.999802, r^2 = 0.999605
Calibration curve: 1.16364 * x + -0.0400535
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

DM 2/24/18

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	0.250	1.69	212.938	10949.311	0.243	0.2	-2.7	NO	1.000	NO	MM
2	2	180223M2_3	Standard	0.500	1.69	515.453	11479.930	0.561	0.5	3.3	NO	1.000	NO	MM
3	3	180223M2_4	Standard	1.000	1.68	978.892	11241.304	1.088	1.0	-3.0	NO	1.000	NO	MM
4	4	180223M2_5	Standard	2.000	1.68	2081.437	11600.494	2.243	2.0	-1.9	NO	1.000	NO	MM
5	5	180223M2_6	Standard	5.000	1.67	4997.496	11665.292	5.355	4.6	-7.3	NO	1.000	NO	MM
6	6	180223M2_7	Standard	10.000	1.66	10825.644	11560.021	11.706	10.1	0.9	NO	1.000	NO	MM
7	7	180223M2_8	Standard	50.000	1.66	56011.344	11996.009	58.365	50.2	0.4	NO	1.000	NO	MM
8	8	180223M2_9	Standard	100.000	1.66	104936.258	11671.000	112.390	96.6	-3.4	NO	1.000	NO	MM
9	9	180223M2_10	Standard	250.000	1.65	248551.516	10877.753	285.619	245.5	-1.8	NO	1.000	NO	MM
10	10	180223M2_11	Standard	500.000	1.65	521468.000	11027.050	591.124	508.0	1.6	NO	1.000	NO	MM

Compound name: PFPeA
Correlation coefficient: r = 0.999822, r^2 = 0.999644
Calibration curve: 1.00483 * x + 0.00882636
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	0.250	2.66	235.141	12651.436	0.232	0.2	-11.0	NO	1.000	NO	MM
2	2	180223M2_3	Standard	0.500	2.65	530.539	12395.387	0.535	0.5	4.7	NO	1.000	NO	MM
3	3	180223M2_4	Standard	1.000	2.64	1218.898	13209.451	1.153	1.1	13.9	NO	1.000	NO	MM
4	4	180223M2_5	Standard	2.000	2.64	1905.217	12083.991	1.971	2.0	-2.4	NO	1.000	NO	MM
5	5	180223M2_6	Standard	5.000	2.63	5187.408	13198.086	4.913	4.9	-2.4	NO	1.000	NO	MM
6	6	180223M2_7	Standard	10.000	2.63	10796.683	13077.555	10.320	10.3	2.6	NO	1.000	NO	MM
7	7	180223M2_8	Standard	50.000	2.63	50766.734	12931.034	49.075	48.8	-2.3	NO	1.000	NO	MM
8	8	180223M2_9	Standard	100.000	2.63	94069.891	12274.772	95.796	95.3	-4.7	NO	1.000	NO	MM
9	9	180223M2_10	Standard	250.000	2.61	227194.453	11210.409	253.330	252.1	0.8	NO	1.000	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
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Compound name: PFPeA

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10	180223M2_11	Standard	500.000	2.61	473315.406	11693.768	505.948	503.5	0.7	NO	1.000	NO	MM

Compound name: PFBS
Coefficient of Determination: R^2 = 0.999859
Calibration curve: -0.000291537 * x^2 + 1.85881 * x + 0.0313148
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	0.250	2.93	52.899	1601.364	0.413	0.2	-17.9	NO	1.000	NO	MM
2	2	180223M2_3	Standard	0.500	2.91	145.304	1726.544	1.052	0.5	9.8	NO	1.000	NO	bb
3	3	180223M2_4	Standard	1.000	2.91	241.383	1498.393	2.014	1.1	6.7	NO	1.000	NO	bb
4	4	180223M2_5	Standard	2.000	2.90	477.245	1530.177	3.899	2.1	4.1	NO	1.000	NO	bb
5	5	180223M2_6	Standard	5.000	2.90	1222.749	1665.529	9.177	4.9	-1.5	NO	1.000	NO	bb
6	6	180223M2_7	Standard	10.000	2.89	2453.769	1660.664	18.470	9.9	-0.7	NO	1.000	NO	bb
7	7	180223M2_8	Standard	50.000	2.89	11886.187	1597.164	93.026	50.4	0.9	NO	1.000	NO	MM
8	8	180223M2_9	Standard	100.000	2.89	23261.898	1626.873	178.732	97.6	-2.4	NO	1.000	NO	MM
9	9	180223M2_10	Standard	250.000	2.88	50241.523	1389.790	451.881	253.1	1.3	NO	1.000	NO	MM
10	10	180223M2_11	Standard	500.000	2.87	99464.188	1454.756	854.647	498.8	-0.2	NO	1.000	NO	MM

Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.999279
Calibration curve: -2.20422e-005 * x^2 + 1.43627 * x + 0.217333
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	0.250	3.32	65.302	1601.364	0.510	0.2	-18.6	NO	0.999	NO	bb
2	2	180223M2_3	Standard	0.500	3.32	114.745	1726.544	0.831	0.4	-14.6	NO	0.999	NO	bb
3	3	180223M2_4	Standard	1.000	3.31	213.833	1498.393	1.784	1.1	9.1	NO	0.999	NO	bb
4	4	180223M2_5	Standard	2.000	3.30	398.088	1530.177	3.252	2.1	5.6	NO	0.999	NO	bb
5	5	180223M2_6	Standard	5.000	3.30	1019.768	1665.529	7.653	5.2	3.6	NO	0.999	NO	bb
6	6	180223M2_7	Standard	10.000	3.29	2223.747	1660.664	16.738	11.5	15.0	NO	0.999	NO	MM
7	7	180223M2_8	Standard	50.000	3.29	9108.319	1597.164	71.285	49.5	-1.0	NO	0.999	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

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Compound name: 4:2 FTS

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8	180223M2_9	Standard	100.000	3.29	19305.262	1626.873	148.331	103.3	3.3	NO	0.999	NO	bb
9	9	180223M2_10	Standard	250.000	3.28	38540.484	1389.790	346.639	242.1	-3.2	NO	0.999	NO	MM
10	10	180223M2_11	Standard	500.000	3.28	83509.805	1454.756	717.559	503.3	0.7	NO	0.999	NO	bb

Compound name: PFHxA
Coefficient of Determination: R^2 = 0.998242
Calibration curve: -5.39212e-005 * x^2 + 1.50215 * x + 0.0700628
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	0.250	3.42	473.502	4345.355	0.545	0.3	26.4	NO	0.998	NO	bb
2	2	180223M2_3	Standard	0.500	3.41	641.519	4100.680	0.782	0.5	-5.2	NO	0.998	NO	bb
3	3	180223M2_4	Standard	1.000	3.40	1169.617	4010.978	1.458	0.9	-7.6	NO	0.998	NO	bb
4	4	180223M2_5	Standard	2.000	3.40	2484.379	3757.924	3.306	2.2	7.7	NO	0.998	NO	bb
5	5	180223M2_6	Standard	5.000	3.39	6255.204	4281.486	7.305	4.8	-3.7	NO	0.998	NO	bd
6	6	180223M2_7	Standard	10.000	3.39	12167.322	3785.156	16.072	10.7	6.6	NO	0.998	NO	bb
7	7	180223M2_8	Standard	50.000	3.39	62865.457	4268.203	73.644	49.1	-1.9	NO	0.998	NO	MM
8	8	180223M2_9	Standard	100.000	3.38	115858.570	4212.930	137.504	91.8	-8.2	NO	0.998	NO	MM
9	9	180223M2_10	Standard	250.000	3.38	277596.719	3535.379	392.598	263.8	5.5	NO	0.998	NO	MM
10	10	180223M2_11	Standard	500.000	3.37	515068.094	3527.607	730.053	494.7	-1.1	NO	0.998	NO	MM

Compound name: PFPeS
Correlation coefficient: r = 0.998505, r^2 = 0.997013
Calibration curve: 1.85181 * x + 0.25543
Response type: Internal Std (Ref 36), 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	180223M2_2	Standard	0.250	3.61	77.632	1601.364	0.606	0.2	-24.3	NO	0.997	NO	bb
2	2	180223M2_3	Standard	0.500	3.60	157.747	1726.544	1.142	0.5	-4.2	NO	0.997	NO	bb
3	3	180223M2_4	Standard	1.000	3.59	267.333	1498.393	2.230	1.1	6.6	NO	0.997	NO	bb
4	4	180223M2_5	Standard	2.000	3.59	491.986	1530.177	4.019	2.0	1.6	NO	0.997	NO	bb
5	5	180223M2_6	Standard	5.000	3.58	1321.138	1665.529	9.915	5.2	4.3	NO	0.997	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

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Compound name: PFPeS

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6	180223M2_7	Standard	10.000	3.58	2494.937	1660.664	18.780	10.0	0.0	NO	0.997	NO	MM
7	7	180223M2_8	Standard	50.000	3.57	12986.440	1597.164	101.637	54.7	9.5	NO	0.997	NO	MM
8	8	180223M2_9	Standard	100.000	3.57	25562.502	1626.873	196.408	105.9	5.9	NO	0.997	NO	MM
9	9	180223M2_10	Standard	250.000	3.57	54242.598	1389.790	487.867	263.3	5.3	NO	0.997	NO	MM
10	10	180223M2_11	Standard	500.000	3.56	102566.477	1454.756	881.303	475.8	-4.8	NO	0.997	NO	MM

Compound name: PFHpA
Correlation coefficient: r = 0.997543, r^2 = 0.995091
Calibration curve: 1.31251 * x + -0.0550252
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	0.250	4.04	225.505	9074.987	0.311	0.3	11.4	NO	0.995	NO	bb
2	2	180223M2_3	Standard	0.500	4.03	535.146	10955.203	0.611	0.5	1.4	NO	0.995	NO	bb
3	3	180223M2_4	Standard	1.000	4.03	1077.899	11824.091	1.140	0.9	-9.0	NO	0.995	NO	bb
4	4	180223M2_5	Standard	2.000	4.02	2051.220	9718.132	2.638	2.1	2.6	NO	0.995	NO	bb
5	5	180223M2_6	Standard	5.000	4.01	5464.663	10164.811	6.720	5.2	3.2	NO	0.995	NO	MM
6	6	180223M2_7	Standard	10.000	4.01	9843.810	9817.713	12.533	9.6	-4.1	NO	0.995	NO	MM
7	7	180223M2_8	Standard	50.000	4.01	51774.734	9506.732	68.076	51.9	3.8	NO	0.995	NO	MM
8	8	180223M2_9	Standard	100.000	4.00	94979.758	9542.454	124.417	94.8	-5.2	NO	0.995	NO	MM
9	9	180223M2_10	Standard	250.000	3.99	207571.281	8783.848	295.388	225.1	-10.0	NO	0.995	NO	MM
10	10	180223M2_11	Standard	500.000	3.99	444612.500	8014.083	693.486	528.4	5.7	NO	0.995	NO	MM

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Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
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Compound name: L-PFHxS
Correlation coefficient: r = 0.997144, r^2 = 0.994296
Calibration curve: 1.85056 * x + -0.0945425
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	0.250	4.18	45.770	1315.655	0.435	0.3	14.4	NO	0.994	NO	MM
2	2	180223M2_3	Standard	0.500	4.17	79.315	1378.944	0.719	0.4	-12.1	NO	0.994	NO	MM
3	3	180223M2_4	Standard	1.000	4.17	137.127	1105.439	1.551	0.9	-11.1	NO	0.994	NO	MM
4	4	180223M2_5	Standard	2.000	4.16	378.363	1234.404	3.831	2.1	6.1	NO	0.994	NO	MM
5	5	180223M2_6	Standard	5.000	4.15	946.028	1231.385	9.603	5.2	4.8	NO	0.994	NO	MM
6	6	180223M2_7	Standard	10.000	4.15	1655.699	1236.902	16.732	9.1	-9.1	NO	0.994	NO	MM
7	7	180223M2_8	Standard	50.000	4.15	9092.526	1305.135	87.084	47.1	-5.8	NO	0.994	NO	MM
8	8	180223M2_9	Standard	100.000	4.14	18388.729	1140.710	201.505	108.9	8.9	NO	0.994	NO	MM
9	9	180223M2_10	Standard	250.000	4.13	41136.078	1013.377	507.413	274.2	9.7	NO	0.994	NO	MM
10	10	180223M2_11	Standard	500.000	4.13	73446.922	1054.809	870.382	470.4	-5.9	NO	0.994	NO	MM

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.997830
Calibration curve: -0.000231598 * x^2 + 0.230822 * x + -0.0110859
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	180223M2_2	Standard	0.250	4.49	62.964	16038.859	0.049	0.3	4.3	NO	0.998	NO	bb
2	2	180223M2_3	Standard	0.500	4.49	140.419	14498.370	0.121	0.6	14.6	NO	0.998	NO	bb
3	3	180223M2_4	Standard	1.000	4.48	225.965	16334.068	0.173	0.8	-20.2	NO	0.998	NO	bb
4	4	180223M2_5	Standard	2.000	4.48	590.063	14861.823	0.496	2.2	10.1	NO	0.998	NO	bb
5	5	180223M2_6	Standard	5.000	4.47	1233.437	15855.884	0.972	4.3	-14.4	NO	0.998	NO	bb
6	6	180223M2_7	Standard	10.000	4.46	2286.334	15434.582	1.852	8.1	-18.6	NO	0.998	NO	bb
7	7	180223M2_8	Standard	50.000	4.46	13215.334	14600.954	11.314	51.8	3.5	NO	0.998	NO	MM
8	8	180223M2_9	Standard	100.000	4.45	28549.123	16845.432	21.185	102.3	2.3	NO	0.998	NO	MM
9	9	180223M2_10	Standard	250.000	4.45	50634.156	14720.892	42.995	248.1	-0.8	NO	0.998	NO	MM
10	10	180223M2_11	Standard	500.000	4.44	121289.906	12676.605	119.600			NO	0.998	YES	MMXI

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Compound name: L-PFOA
Correlation coefficient: r = 0.997140, r^2 = 0.994289
Calibration curve: 0.993473 * x + 0.00510416
Response type: Internal Std (Ref 40), 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	180223M2_2	Standard	0.250	4.55	379.343	16038.859	0.296	0.3	17.0	NO	0.994	NO	bb
2	2	180223M2_3	Standard	0.500	4.54	574.597	14498.370	0.495	0.5	-1.3	NO	0.994	NO	bb
3	3	180223M2_4	Standard	1.000	4.53	1301.483	16334.068	0.996	1.0	-0.3	NO	0.994	NO	bb
4	4	180223M2_5	Standard	2.000	4.53	2511.246	14861.823	2.112	2.1	6.0	NO	0.994	NO	bb
5	5	180223M2_6	Standard	5.000	4.52	5706.223	15855.884	4.499	4.5	-9.5	NO	0.994	NO	MM
6	6	180223M2_7	Standard	10.000	4.52	11743.338	15434.582	9.511	9.6	-4.3	NO	0.994	NO	MM
7	7	180223M2_8	Standard	50.000	4.52	60424.316	14600.954	51.730	52.1	4.1	NO	0.994	NO	MM
8	8	180223M2_9	Standard	100.000	4.51	122881.320	16845.432	91.183	91.8	-8.2	NO	0.994	NO	MM
9	9	180223M2_10	Standard	250.000	4.50	263877.031	14720.892	224.067	225.5	-9.8	NO	0.994	NO	MM
10	10	180223M2_11	Standard	500.000	4.50	535374.875	12676.605	527.916	531.4	6.3	NO	0.994	NO	MM

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.995598
Calibration curve: -9.08145e-005 * x^2 + 0.217204 * x + 0.000713234
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	0.250	4.65	56.520	16038.859	0.044	0.2	-20.2	NO	0.996	NO	MM
2	2	180223M2_3	Standard	0.500	4.64	143.118	14498.370	0.123	0.6	13.0	NO	0.996	NO	bb
3	3	180223M2_4	Standard	1.000	4.63	272.205	16334.068	0.208	1.0	-4.4	NO	0.996	NO	bb
4	4	180223M2_5	Standard	2.000	4.63	573.103	14861.823	0.482	2.2	10.9	NO	0.996	NO	bb
5	5	180223M2_6	Standard	5.000	4.62	1203.095	15855.884	0.948	4.4	-12.6	NO	0.996	NO	bb
6	6	180223M2_7	Standard	10.000	4.62	2924.162	15434.582	2.368	10.9	9.5	NO	0.996	NO	bb
7	7	180223M2_8	Standard	50.000	4.61	13843.723	14600.954	11.852	55.9	11.7	NO	0.996	NO	MM
8	8	180223M2_9	Standard	100.000	4.61	25627.309	16845.432	19.017	91.0	-9.0	NO	0.996	NO	bb
9	9	180223M2_10	Standard	250.000	4.60	57817.773	14720.892	49.095	252.7	1.1	NO	0.996	NO	MM
10	10	180223M2_11	Standard	500.000	4.60	110098.930	12676.605	108.565	711.5	42.3	YES	0.996	NO	MMX

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Compound name: PFNA
Correlation coefficient: r = 0.998261, r^2 = 0.996525
Calibration curve: 1.25087 * x + 0.0672606
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	180223M2_2	Standard	0.250	4.97	345.906	13504.597	0.320	0.2	-19.1	NO	0.997	NO	bb
2	2	180223M2_3	Standard	0.500	4.97	706.471	12649.265	0.698	0.5	0.9	NO	0.997	NO	MM
3	3	180223M2_4	Standard	1.000	4.96	1507.713	13969.429	1.349	1.0	2.5	NO	0.997	NO	bb
4	4	180223M2_5	Standard	2.000	4.95	2896.020	14032.124	2.580	2.0	0.4	NO	0.997	NO	bb
5	5	180223M2_6	Standard	5.000	4.95	5818.264	10452.933	6.958	5.5	10.2	NO	0.997	NO	MM
6	6	180223M2_7	Standard	10.000	4.95	14371.564	11990.564	14.982	11.9	19.2	NO	0.997	NO	MM
7	7	180223M2_8	Standard	50.000	4.95	67619.977	14257.599	59.284	47.3	-5.3	NO	0.997	NO	MM
8	8	180223M2_9	Standard	100.000	4.94	121020.930	14062.927	107.571	85.9	-14.1	NO	0.997	NO	MM
9	9	180223M2_10	Standard	250.000	4.93	299781.438	11419.842	328.137	262.3	4.9	NO	0.997	NO	MM
10	10	180223M2_11	Standard	500.000	4.93	588809.563	11719.382	628.030	502.0	0.4	NO	0.997	NO	MM

Compound name: PFOSA
Correlation coefficient: r = 0.998719, r^2 = 0.997440
Calibration curve: 1.02634 * x + -0.0680226
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	0.250	5.03	106.394	2995.646	0.444	0.5	99.5	YES	0.997	NO	bbX
2	2	180223M2_3	Standard	0.500	5.02	91.179	3608.436	0.316	0.4	-25.2	NO	0.997	NO	bb
3	3	180223M2_4	Standard	1.000	5.02	235.067	3206.918	0.916	1.0	-4.1	NO	0.997	NO	bb
4	4	180223M2_5	Standard	2.000	5.01	674.253	3292.697	2.560	2.6	28.0	NO	0.997	NO	bb
5	5	180223M2_6	Standard	5.000	5.00	1242.264	3225.573	4.814	4.8	-4.9	NO	0.997	NO	bb
6	6	180223M2_7	Standard	10.000	5.00	2692.133	3488.319	9.647	9.5	-5.3	NO	0.997	NO	bb
7	7	180223M2_8	Standard	50.000	5.00	14686.969	3308.423	55.491	54.1	8.3	NO	0.997	NO	bb
8	8	180223M2_9	Standard	100.000	4.99	25569.609	3079.704	103.783	101.2	1.2	NO	0.997	NO	MM
9	9	180223M2_10	Standard	250.000	4.98	61018.723	2803.924	272.024	265.1	6.0	NO	0.997	NO	MM
10	10	180223M2_11	Standard	500.000	4.98	109086.086	2768.524	492.528	480.0	-4.0	NO	0.997	NO	MM

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022218.mdb 23 Feb 2018 08:58:55
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.998732
Calibration curve: 0.000119831 * x^2 + 1.09302 * x + -0.0626814
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 180223M2_2	Standard	0.250	4.94	42.885	3734.501	0.144	0.2	-24.5	NO	0.999	NO	MM
2	2 180223M2_3	Standard	0.500	5.04	142.009	3847.172	0.461	0.5	-4.1	NO	0.999	NO	MM
3	3 180223M2_4	Standard	1.000	5.04	312.026	3374.317	1.156	1.1	11.5	NO	0.999	NO	MM
4	4 180223M2_5	Standard	2.000	5.03	544.613	3069.772	2.218	2.1	4.3	NO	0.999	NO	MM
5	5 180223M2_6	Standard	5.000	5.02	1600.752	3748.790	5.338	4.9	-1.2	NO	0.999	NO	MM
6	6 180223M2_7	Standard	10.000	5.02	2960.378	3065.535	12.071	11.1	10.9	NO	0.999	NO	MM
7	7 180223M2_8	Standard	50.000	5.02	15609.243	3503.183	55.697	50.7	1.5	NO	0.999	NO	MM
8	8 180223M2_9	Standard	100.000	5.01	27580.629	2949.732	116.878	105.8	5.8	NO	0.999	NO	MM
9	9 180223M2_10	Standard	250.000	5.01	64313.285	3016.991	266.463	237.7	-4.9	NO	0.999	NO	MM
10	10 180223M2_11	Standard	500.000	5.00	131990.953	2834.259	582.123	504.7	0.9	NO	0.999	NO	MM

Compound name: PFDA
Coefficient of Determination: R^2 = 0.997854
Calibration curve: -0.00039429 * x^2 + 1.31405 * x + -0.0179236
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 180223M2_2	Standard	0.250	5.34	380.725	14375.415	0.331	0.3	6.2	NO	0.998	NO	bb
2	2 180223M2_3	Standard	0.500	5.34	694.846	12481.175	0.696	0.5	8.7	NO	0.998	NO	bb
3	3 180223M2_4	Standard	1.000	5.33	1234.605	13995.697	1.103	0.9	-14.7	NO	0.998	NO	bb
4	4 180223M2_5	Standard	2.000	5.32	3638.951	16421.098	2.770	2.1	6.1	NO	0.998	NO	bb
5	5 180223M2_6	Standard	5.000	5.32	6895.563	14791.401	5.827	4.5	-10.9	NO	0.998	NO	MM
6	6 180223M2_7	Standard	10.000	5.31	14972.216	15242.030	12.279	9.4	-6.2	NO	0.998	NO	MM
7	7 180223M2_8	Standard	50.000	5.31	78883.125	13344.419	73.891	57.2	14.5	NO	0.998	NO	MM
8	8 180223M2_9	Standard	100.000	5.31	150612.172	14797.779	127.225	99.8	-0.2	NO	0.998	NO	bb
9	9 180223M2_10	Standard	250.000	5.30	308354.344	13265.668	290.557	238.1	-4.7	NO	0.998	NO	MM
10	10 180223M2_11	Standard	500.000	5.29	550459.250	12194.934	564.229	506.3	1.3	NO	0.998	NO	MM

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Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.997874
Calibration curve: -0.000176216 * x^2 + 0.271257 * x + 0.00374562
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	180223M2_2	Standard	0.250	5.32	75.730	16038.859	0.059	0.2	-18.5	NO	0.998	NO	bb
2	2	180223M2_3	Standard	0.500	5.31	168.340	14498.370	0.145	0.5	4.3	NO	0.998	NO	bb
3	3	180223M2_4	Standard	1.000	5.30	311.135	16334.068	0.238	0.9	-13.6	NO	0.998	NO	bb
4	4	180223M2_5	Standard	2.000	5.30	657.229	14861.823	0.553	2.0	1.3	NO	0.998	NO	bb
5	5	180223M2_6	Standard	5.000	5.29	1867.269	15855.884	1.472	5.4	8.6	NO	0.998	NO	bb
6	6	180223M2_7	Standard	10.000	5.29	3992.549	15434.582	3.233	12.0	20.0	NO	0.998	NO	MM
7	7	180223M2_8	Standard	50.000	5.28	16509.258	14600.954	14.134	54.0	8.0	NO	0.998	NO	MM
8	8	180223M2_9	Standard	100.000	5.28	33893.512	16845.432	25.150	99.1	-0.9	NO	0.998	NO	MM
9	9	180223M2_10	Standard	250.000	5.27	63748.918	14720.892	54.131	235.6	-5.8	NO	0.998	NO	MM
10	10	180223M2_11	Standard	500.000	5.27	94157.219	12676.605	92.845	513.7	2.7	NO	0.998	NO	MM

Compound name: PFNS
Coefficient of Determination: R^2 = 0.992825
Calibration curve: -0.000305546 * x^2 + 0.93091 * x + -0.0289481
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	180223M2_2	Standard	0.250	5.40	47.494	3734.501	0.159	0.2	-19.2	NO	0.993	NO	MM
2	2	180223M2_3	Standard	0.500	5.40	110.693	3847.172	0.360	0.4	-16.5	NO	0.993	NO	MM
3	3	180223M2_4	Standard	1.000	5.39	251.684	3374.317	0.932	1.0	3.3	NO	0.993	NO	MM
4	4	180223M2_5	Standard	2.000	5.38	580.889	3069.772	2.365	2.6	28.7	NO	0.993	NO	MM
5	5	180223M2_6	Standard	5.000	5.37	1389.827	3748.790	4.634	5.0	0.4	NO	0.993	NO	MM
6	6	180223M2_7	Standard	10.000	5.37	2559.795	3065.535	10.438	11.3	12.9	NO	0.993	NO	MM
7	7	180223M2_8	Standard	50.000	5.37	10567.177	3503.183	37.706	41.1	-17.8	NO	0.993	NO	MM
8	8	180223M2_9	Standard	100.000	5.36	23144.133	2949.732	98.077	109.3	9.3	NO	0.993	NO	MM
9	9	180223M2_10	Standard	250.000	5.36	51151.543	3016.991	211.931	247.9	-0.9	NO	0.993	NO	MM
10	10	180223M2_11	Standard	500.000	5.35	95622.867	2834.259	421.728	553.7	10.7	NO	0.993	NO	MMX

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Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.999586
Calibration curve: -0.000628442 * x^2 + 1.4673 * x + -0.113739
Response type: Internal Std (Ref 45), 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	180223M2_2	Standard	0.250	5.49	99.628	5198.102	0.240	0.2	-3.7	NO	1.000	NO	bb
2	2	180223M2_3	Standard	0.500	5.48	335.708	6384.052	0.657	0.5	5.1	NO	1.000	NO	bb
3	3	180223M2_4	Standard	1.000	5.47	444.340	5632.673	0.986	0.7	-25.0	NO	1.000	NO	bb
4	4	180223M2_5	Standard	2.000	5.47	1114.703	5677.819	2.454	1.8	-12.4	NO	1.000	NO	bb
5	5	180223M2_6	Standard	5.000	5.46	3141.861	5485.288	7.160	5.0	-0.6	NO	1.000	NO	bd
6	6	180223M2_7	Standard	10.000	5.46	6973.881	5550.503	15.706	10.8	8.3	NO	1.000	NO	bd
7	7	180223M2_8	Standard	50.000	5.46	31655.025	5726.298	69.100	48.2	-3.7	NO	1.000	NO	MM
8	8	180223M2_9	Standard	100.000	5.45	61550.262	5473.163	140.573	100.2	0.2	NO	1.000	NO	MM
9	9	180223M2_10	Standard	250.000	5.45	128722.250	4863.641	330.828	252.9	1.2	NO	1.000	NO	bb
10	10	180223M2_11	Standard	500.000	5.44	236305.719	5137.799	574.920	498.2	-0.4	NO	1.000	NO	MM

Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.998718
Calibration curve: -0.000199362 * x^2 + 1.03486 * x + -0.0695315
Response type: Internal Std (Ref 46), 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	180223M2_2	Standard	0.250	5.64	54.755	5756.507	0.119	0.2	-27.2	NO	0.999	NO	MM
2	2	180223M2_3	Standard	0.500	5.63	257.988	6163.200	0.523	0.6	14.6	NO	0.999	NO	bb
3	3	180223M2_4	Standard	1.000	5.63	411.587	5975.067	0.861	0.9	-10.1	NO	0.999	NO	bb
4	4	180223M2_5	Standard	2.000	5.62	981.101	6363.104	1.927	1.9	-3.5	NO	0.999	NO	bb
5	5	180223M2_6	Standard	5.000	5.61	2461.626	6396.435	4.811	4.7	-5.6	NO	0.999	NO	MM
6	6	180223M2_7	Standard	10.000	5.61	5035.801	5793.234	10.866	10.6	5.9	NO	0.999	NO	MM
7	7	180223M2_8	Standard	50.000	5.61	25748.422	6709.200	47.972	46.8	-6.3	NO	0.999	NO	bb
8	8	180223M2_9	Standard	100.000	5.61	48590.039	5571.087	109.023	107.6	7.6	NO	0.999	NO	MM
9	9	180223M2_10	Standard	250.000	5.60	100336.977	5236.398	239.518	242.9	-2.8	NO	0.999	NO	MM
10	10	180223M2_11	Standard	500.000	5.59	176161.453	4688.654	469.648	502.5	0.5	NO	0.999	NO	MM

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Compound name: PFUdA
Coefficient of Determination: R^2 = 0.998490
Calibration curve: -0.000142688 * x^2 + 0.997726 * x + -0.0345748
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	180223M2_2	Standard	0.250	5.66	347.438	17449.221	0.249	0.3	13.6	NO	0.998	NO	bb
2	2	180223M2_3	Standard	0.500	5.65	753.906	16399.930	0.575	0.6	22.1	NO	0.998	NO	bb
3	3	180223M2_4	Standard	1.000	5.65	1230.514	22020.176	0.699	0.7	-26.5	NO	0.998	NO	bb
4	4	180223M2_5	Standard	2.000	5.64	2825.846	17521.639	2.016	2.1	2.8	NO	0.998	NO	MM
5	5	180223M2_6	Standard	5.000	5.63	7498.060	21186.348	4.424	4.5	-10.6	NO	0.998	NO	MM
6	6	180223M2_7	Standard	10.000	5.63	13974.505	17103.736	10.213	10.3	2.9	NO	0.998	NO	MM
7	7	180223M2_8	Standard	50.000	5.63	81184.531	20966.855	48.401	48.9	-2.2	NO	0.998	NO	bb
8	8	180223M2_9	Standard	100.000	5.62	132318.422	17945.148	92.169	93.7	-6.3	NO	0.998	NO	MM
9	9	180223M2_10	Standard	250.000	5.62	319691.563	15801.903	252.890	263.4	5.4	NO	0.998	NO	MM
10	10	180223M2_11	Standard	500.000	5.61	606530.375	16543.363	458.288	494.3	-1.1	NO	0.998	NO	MM

Compound name: PFDS
Coefficient of Determination: R^2 = 0.997963
Calibration curve: -3.99958e-005 * x^2 + 0.228034 * x + 0.0324945
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	180223M2_2	Standard	0.250	5.70	53.934	17449.221	0.039	0.0	-89.2	YES	0.998	NO	MMX
2	2	180223M2_3	Standard	0.500	5.69	210.149	16399.930	0.160	0.6	12.0	NO	0.998	NO	bb
3	3	180223M2_4	Standard	1.000	5.69	432.440	22020.176	0.245	0.9	-6.6	NO	0.998	NO	bb
4	4	180223M2_5	Standard	2.000	5.68	708.292	17521.639	0.505	2.1	3.7	NO	0.998	NO	bb
5	5	180223M2_6	Standard	5.000	5.68	1704.445	21186.348	1.006	4.3	-14.6	NO	0.998	NO	bb
6	6	180223M2_7	Standard	10.000	5.67	3600.754	17103.736	2.632	11.4	14.2	NO	0.998	NO	MM
7	7	180223M2_8	Standard	50.000	5.67	17351.479	20966.855	10.345	45.6	-8.8	NO	0.998	NO	bb
8	8	180223M2_9	Standard	100.000	5.66	30838.059	17945.148	21.481	95.7	-4.3	NO	0.998	NO	bb
9	9	180223M2_10	Standard	250.000	5.66	72709.148	15801.903	57.516	264.3	5.7	NO	0.998	NO	MM
10	10	180223M2_11	Standard	500.000	5.65	136116.656	16543.363	102.848	493.6	-1.3	NO	0.998	NO	MM

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Compound name: PFDoA
Coefficient of Determination: R^2 = 0.998033
Calibration curve: -0.0012913 * x^2 + 1.24219 * x + 0.0636017
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	180223M2_2	Standard	0.250	5.93	528.793	16008.225	0.413	0.3	12.5	NO	0.998	NO	MM
2	2	180223M2_3	Standard	0.500	5.93	1191.538	17627.105	0.845	0.6	25.9	NO	0.998	NO	bb
3	3	180223M2_4	Standard	1.000	5.92	1666.373	18482.838	1.127	0.9	-14.3	NO	0.998	NO	bb
4	4	180223M2_5	Standard	2.000	5.92	2596.348	16547.289	1.961	1.5	-23.5	NO	0.998	NO	MM
5	5	180223M2_6	Standard	5.000	5.91	8501.178	16643.861	6.385	5.1	2.3	NO	0.998	NO	MM
6	6	180223M2_7	Standard	10.000	5.91	18954.332	19445.568	12.184	9.9	-1.4	NO	0.998	NO	MM
7	7	180223M2_8	Standard	50.000	5.90	75321.414	16968.471	55.486	46.9	-6.2	NO	0.998	NO	MM
8	8	180223M2_9	Standard	100.000	5.90	151858.688	16231.396	116.948	105.7	5.7	NO	0.998	NO	MM
9	9	180223M2_10	Standard	250.000	5.90	301431.188	16498.746	228.374	247.4	-1.0	NO	0.998	NO	MM
10	10	180223M2_11	Standard	500.000	5.89	616483.125	14168.727	543.877			NO	0.998	NO	MMXI

Compound name: N-MeFOSA
Correlation coefficient: r = 0.996917, r^2 = 0.993844
Calibration curve: 0.975518 * x + 0.567329
Response type: Internal Std (Ref 49), 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	180223M2_2	Standard	1.250	5.90	218.667	19055.854	1.721	1.2	-5.4	NO	0.994	NO	bb
2	2	180223M2_3	Standard	2.500	5.89	397.047	19384.064	3.072	2.6	2.7	NO	0.994	NO	bb
3	3	180223M2_4	Standard	5.000	5.89	671.403	18950.740	5.314	4.9	-2.7	NO	0.994	NO	bb
4	4	180223M2_5	Standard	10.000	5.89	1465.951	18546.982	11.856	11.6	15.7	NO	0.994	NO	bb
5	5	180223M2_6	Standard	25.000	5.88	3427.968	19891.561	25.850	25.9	3.7	NO	0.994	NO	MM
6	6	180223M2_7	Standard	50.000	5.88	6919.923	19370.273	53.587	54.3	8.7	NO	0.994	NO	MM
7	7	180223M2_8	Standard	250.000	5.89	33144.297	18153.688	273.864	280.2	12.1	NO	0.994	NO	MM
8	8	180223M2_9	Standard	500.000	5.88	64133.785	17413.877	552.437	565.7	13.1	NO	0.994	NO	MM
9	9	180223M2_10	Standard	1250.000	5.88	138206.406	16134.918	1284.851	1316.5	5.3	NO	0.994	NO	MM
10	10	180223M2_11	Standard	2500.000	5.87	243261.438	16043.392	2274.408	2330.9	-6.8	NO	0.994	NO	MM

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Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.992640
Calibration curve: 0.000243795 * x^2 + 1.29928 * x + 0.193786
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	180223M2_2	Standard	0.250	6.17	544.425	16008.225	0.425	0.2	-28.8	NO	0.993	NO	bb
2	2	180223M2_3	Standard	0.500	6.17	1004.348	17627.105	0.712	0.4	-20.2	NO	0.993	NO	bb
3	3	180223M2_4	Standard	1.000	6.16	1867.087	18482.838	1.263	0.8	-17.7	NO	0.993	NO	MM
4	4	180223M2_5	Standard	2.000	6.16	4592.027	16547.289	3.469	2.5	26.0	NO	0.993	NO	bb
5	5	180223M2_6	Standard	5.000	6.15	9779.459	16643.861	7.345	5.5	10.0	NO	0.993	NO	MM
6	6	180223M2_7	Standard	10.000	6.15	23374.357	19445.568	15.026	11.4	13.9	NO	0.993	NO	MM
7	7	180223M2_8	Standard	50.000	6.15	107843.930	16968.471	79.444	60.3	20.6	NO	0.993	NO	MM
8	8	180223M2_9	Standard	100.000	6.14	182194.375	16231.396	140.310	105.7	5.7	NO	0.993	NO	MM
9	9	180223M2_10	Standard	250.000	6.14	393267.688	16498.746	297.953	220.1	-12.0	NO	0.993	NO	MM
10	10	180223M2_11	Standard	500.000	6.13	826281.750	14168.727	728.966	511.8	2.4	NO	0.993	NO	MM

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.999184
Calibration curve: -0.000685159 * x^2 + 1.90514 * x + 0.394291
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	0.250	6.37	330.598	8178.276	0.505	0.1	-76.7	YES	0.999	NO	bbX
2	2	180223M2_3	Standard	0.500	6.36	784.684	8107.277	1.210	0.4	-14.4	NO	0.999	NO	bb
3	3	180223M2_4	Standard	1.000	6.36	1743.457	9827.413	2.218	1.0	-4.3	NO	0.999	NO	bb
4	4	180223M2_5	Standard	2.000	6.36	3152.000	9354.263	4.212	2.0	0.3	NO	0.999	NO	MM
5	5	180223M2_6	Standard	5.000	6.35	7609.335	9190.976	10.349	5.2	4.7	NO	0.999	NO	MM
6	6	180223M2_7	Standard	10.000	6.35	15382.946	8969.756	21.437	11.1	10.9	NO	0.999	NO	MM
7	7	180223M2_8	Standard	50.000	6.35	87217.063	10824.569	100.717	53.7	7.4	NO	0.999	NO	MM
8	8	180223M2_9	Standard	100.000	6.34	144722.859	10167.371	177.926	96.5	-3.5	NO	0.999	NO	MM
9	9	180223M2_10	Standard	250.000	6.33	326236.063	9551.083	426.962	245.6	-1.8	NO	0.999	NO	MM
10	10	180223M2_11	Standard	500.000	6.33	579506.750	9220.446	785.627	503.2	0.6	NO	0.999	NO	MM

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Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999674
Calibration curve: -3.4639e-005 * x^2 + 0.952598 * x + 0.0623023
Response type: Internal Std (Ref 51), 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	180223M2_2	Standard	1.250	6.25	230.577	26161.914	1.322	1.3	5.8	NO	1.000	NO	bb
2	2	180223M2_3	Standard	2.500	6.25	423.104	27892.309	2.275	2.3	-7.1	NO	1.000	NO	bb
3	3	180223M2_4	Standard	5.000	6.25	871.770	26069.443	5.016	5.2	4.0	NO	1.000	NO	MM
4	4	180223M2_5	Standard	10.000	6.24	1785.388	26967.154	9.931	10.4	3.6	NO	1.000	NO	bb
5	5	180223M2_6	Standard	25.000	6.24	3995.354	26622.256	22.511	23.6	-5.7	NO	1.000	NO	MM
6	6	180223M2_7	Standard	50.000	6.24	8782.707	26964.436	48.857	51.3	2.6	NO	1.000	NO	MM
7	7	180223M2_8	Standard	250.000	6.24	42762.066	28178.416	227.632	241.0	-3.6	NO	1.000	NO	MM
8	8	180223M2_9	Standard	500.000	6.24	78725.813	25677.367	459.894	491.5	-1.7	NO	1.000	NO	MM
9	9	180223M2_10	Standard	1250.000	6.24	175736.688	22653.119	1163.659	1281.2	2.5	NO	1.000	NO	MM
10	10	180223M2_11	Standard	2500.000	6.23	309995.219	21587.748	2153.966	2485.8	-0.6	NO	1.000	NO	MM

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.998113
Calibration curve: -0.000151164 * x^2 + 0.485277 * x + 0.163056
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	180223M2_2	Standard	0.250	6.66	147.127	4074.456	0.181	0.0	-85.6	YES	0.998	NO	bbX
2	2	180223M2_3	Standard	0.500	6.66	337.876	4817.657	0.351	0.4	-22.7	NO	0.998	NO	bb
3	3	180223M2_4	Standard	1.000	6.65	625.696	5473.904	0.572	0.8	-15.8	NO	0.998	NO	bb
4	4	180223M2_5	Standard	2.000	6.65	1173.806	4935.974	1.189	2.1	5.8	NO	0.998	NO	bb
5	5	180223M2_6	Standard	5.000	6.64	2766.500	4845.384	2.855	5.6	11.1	NO	0.998	NO	bb
6	6	180223M2_7	Standard	10.000	6.64	6122.778	4786.577	6.396	12.9	29.0	NO	0.998	NO	bd
7	7	180223M2_8	Standard	50.000	6.64	26221.250	5688.850	23.046	47.9	-4.3	NO	0.998	NO	MM
8	8	180223M2_9	Standard	100.000	6.63	53361.734	5940.031	44.917	95.0	-5.0	NO	0.998	NO	MM
9	9	180223M2_10	Standard	250.000	6.63	121823.742	5327.131	114.343	255.6	2.3	NO	0.998	NO	MM
10	10	180223M2_11	Standard	500.000	6.62	203721.203	4983.928	204.378	498.1	-0.4	NO	0.998	NO	MM

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Compound name: PFODA
Coefficient of Determination: R^2 = 0.998576
Calibration curve: -0.000242134 * x^2 + 0.624455 * x + 0.0266043
Response type: Internal Std (Ref 52), 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	180223M2_2	Standard	0.250	6.87	137.937	4074.456	0.169	0.2	-8.6	NO	0.999	NO	bb
2	2	180223M2_3	Standard	0.500	6.87	299.334	4817.657	0.311	0.5	-9.0	NO	0.999	NO	bb
3	3	180223M2_4	Standard	1.000	6.87	628.206	5473.904	0.574	0.9	-12.3	NO	0.999	NO	bb
4	4	180223M2_5	Standard	2.000	6.86	1420.559	4935.974	1.439	2.3	13.2	NO	0.999	NO	bb
5	5	180223M2_6	Standard	5.000	6.86	3442.310	4845.384	3.552	5.7	13.2	NO	0.999	NO	bb
6	6	180223M2_7	Standard	10.000	6.85	7173.526	4786.577	7.493	12.0	20.1	NO	0.999	NO	MM
7	7	180223M2_8	Standard	50.000	6.85	36970.691	5688.850	32.494	53.1	6.2	NO	0.999	NO	MM
8	8	180223M2_9	Standard	100.000	6.85	68392.031	5940.031	57.569	95.7	-4.3	NO	0.999	NO	bb
9	9	180223M2_10	Standard	250.000	6.85	147352.781	5327.131	138.304	244.6	-2.1	NO	0.999	NO	MM
10	10	180223M2_11	Standard	500.000	6.84	252539.844	4983.928	253.354	504.3	0.9	NO	0.999	NO	MM

Compound name: N-MeFOSE
Correlation coefficient: r = 0.998304, r^2 = 0.996610
Calibration curve: 1.11097 * x + -0.433627
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	1.250	6.33	163.306	18932.660	1.294	1.6	24.4	NO	0.997	NO	bb
2	2	180223M2_3	Standard	2.500	6.34	282.146	19431.711	2.178	2.4	-6.0	NO	0.997	NO	bb
3	3	180223M2_4	Standard	5.000	6.34	566.804	17936.891	4.740	4.7	-6.9	NO	0.997	NO	bb
4	4	180223M2_5	Standard	10.000	6.33	1807.406	20440.525	13.263	12.3	23.3	NO	0.997	NO	bb
5	5	180223M2_6	Standard	25.000	6.33	3926.176	22903.383	25.714	23.5	-5.9	NO	0.997	NO	MM
6	6	180223M2_7	Standard	50.000	6.33	7051.302	21668.443	48.813	44.3	-11.3	NO	0.997	NO	MM
7	7	180223M2_8	Standard	250.000	6.33	36058.859	22620.521	239.112	215.6	-13.8	NO	0.997	NO	MM
8	8	180223M2_9	Standard	500.000	6.33	72020.438	21697.508	497.894	448.6	-10.3	NO	0.997	NO	bb
9	9	180223M2_10	Standard	1250.000	6.33	178257.813	18251.301	1465.028	1319.1	5.5	NO	0.997	NO	MM
10	10	180223M2_11	Standard	2500.000	6.33	301537.500	16147.198	2801.144	2521.7	0.9	NO	0.997	NO	MM

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Compound name: N-EtFOSE
Coefficient of Determination: R^2 = 0.998481
Calibration curve: -3.91622e-005 * x^2 + 1.2409 * x + -0.114301
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	1.250	6.49	232.871	19096.873	1.829	1.6	25.3	NO	0.998	NO	bb
2	2	180223M2_3	Standard	2.500	6.49	356.432	17735.814	3.015	2.5	0.9	NO	0.998	NO	bb
3	3	180223M2_4	Standard	5.000	6.49	741.883	18738.473	5.939	4.9	-2.4	NO	0.998	NO	MM
4	4	180223M2_5	Standard	10.000	6.48	1207.089	17697.469	10.231	8.3	-16.6	NO	0.998	NO	MM
5	5	180223M2_6	Standard	25.000	6.48	3318.386	16744.076	29.727	24.1	-3.7	NO	0.998	NO	bb
6	6	180223M2_7	Standard	50.000	6.48	7148.012	17484.357	61.323	49.6	-0.8	NO	0.998	NO	MM
7	7	180223M2_8	Standard	250.000	6.48	36253.969	19538.750	278.324	226.0	-9.6	NO	0.998	NO	MM
8	8	180223M2_9	Standard	500.000	6.48	72051.141	16355.551	660.795	541.9	8.4	NO	0.998	NO	MM
9	9	180223M2_10	Standard	1250.000	6.48	157680.047	16099.970	1469.071	1231.9	-1.5	NO	0.998	NO	MM
10	10	180223M2_11	Standard	2500.000	6.48	316524.063	16597.168	2860.645	2503.1	0.1	NO	0.998	NO	MM

Compound name: 13C3-PFBA
Response Factor: 0.891977
RRF SD: 0.0211288, Relative SD: 2.36876
Response type: Internal Std (Ref 55), 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	180223M2_2	Standard	12.500	1.69	10949.311	12932.892	10.583	11.9	-5.1	NO		NO	bb
2	2	180223M2_3	Standard	12.500	1.69	11479.930	13127.025	10.932	12.3	-2.0	NO		NO	MM
3	3	180223M2_4	Standard	12.500	1.68	11241.304	12462.627	11.275	12.6	1.1	NO		NO	MM
4	4	180223M2_5	Standard	12.500	1.68	11600.494	12742.151	11.380	12.8	2.1	NO		NO	MM
5	5	180223M2_6	Standard	12.500	1.67	11665.292	12841.889	11.355	12.7	1.8	NO		NO	MM
6	6	180223M2_7	Standard	12.500	1.66	11560.021	13146.962	10.991	12.3	-1.4	NO		NO	MM
7	7	180223M2_8	Standard	12.500	1.66	11996.009	13431.110	11.164	12.5	0.1	NO		NO	MM
8	8	180223M2_9	Standard	12.500	1.66	11671.000	12748.681	11.443	12.8	2.6	NO		NO	MM
9	9	180223M2_10	Standard	12.500	1.65	10877.753	12297.072	11.057	12.4	-0.8	NO		NO	MM
10	10	180223M2_11	Standard	12.500	1.65	11027.050	12179.933	11.317	12.7	1.5	NO		NO	bb

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Compound name: 13C3-PFPeA
Response Factor: 0.919318
RRF SD: 0.0534743, Relative SD: 5.81674
Response type: Internal Std (Ref 56), 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	180223M2_2	Standard	12.500	2.66	12651.436	14188.003	11.146	12.1	-3.0	NO		NO	MM
2	2	180223M2_3	Standard	12.500	2.65	12395.387	13914.073	11.136	12.1	-3.1	NO		NO	MM
3	3	180223M2_4	Standard	12.500	2.64	13209.451	13294.593	12.420	13.5	8.1	NO		NO	MM
4	4	180223M2_5	Standard	12.500	2.64	12083.991	13740.155	10.993	12.0	-4.3	NO		NO	MM
5	5	180223M2_6	Standard	12.500	2.63	13198.086	14652.062	11.260	12.2	-2.0	NO		NO	MM
6	6	180223M2_7	Standard	12.500	2.63	13077.555	13686.169	11.944	13.0	3.9	NO		NO	MM
7	7	180223M2_8	Standard	12.500	2.63	12931.034	14175.378	11.403	12.4	-0.8	NO		NO	MM
8	8	180223M2_9	Standard	12.500	2.63	12274.772	14044.191	10.925	11.9	-4.9	NO		NO	MM
9	9	180223M2_10	Standard	12.500	2.61	11210.409	12870.581	10.888	11.8	-5.3	NO		NO	MM
10	10	180223M2_11	Standard	12.500	2.61	11693.768	11419.355	12.800	13.9	11.4	NO		NO	MM

Compound name: 13C3-PFBS
Response Factor: 0.115992
RRF SD: 0.00620626, Relative SD: 5.35058
Response type: Internal Std (Ref 56), 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	180223M2_2	Standard	12.500	2.92	1601.364	14188.003	1.411	12.2	-2.7	NO		NO	bb
2	2	180223M2_3	Standard	12.500	2.91	1726.544	13914.073	1.551	13.4	7.0	NO		NO	bb
3	3	180223M2_4	Standard	12.500	2.91	1498.393	13294.593	1.409	12.1	-2.8	NO		NO	bb
4	4	180223M2_5	Standard	12.500	2.90	1530.177	13740.155	1.392	12.0	-4.0	NO		NO	bb
5	5	180223M2_6	Standard	12.500	2.90	1665.529	14652.062	1.421	12.2	-2.0	NO		NO	MM
6	6	180223M2_7	Standard	12.500	2.89	1660.664	13686.169	1.517	13.1	4.6	NO		NO	bb
7	7	180223M2_8	Standard	12.500	2.89	1597.164	14175.378	1.408	12.1	-2.9	NO		NO	bb
8	8	180223M2_9	Standard	12.500	2.89	1626.873	14044.191	1.448	12.5	-0.1	NO		NO	bb
9	9	180223M2_10	Standard	12.500	2.88	1389.790	12870.581	1.350	11.6	-6.9	NO		NO	bb
10	10	180223M2_11	Standard	12.500	2.87	1454.756	11419.355	1.592	13.7	9.8	NO		NO	MM

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Compound name: 13C2-PFHxA
Response Factor: 0.73241
RRF SD: 0.0334222, Relative SD: 4.56332
Response type: Internal Std (Ref 56), 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	180223M2_2	Standard	5.000	3.42	4345.355	14188.003	3.828	5.2	4.5	NO		NO	MM
2	2	180223M2_3	Standard	5.000	3.41	4100.680	13914.073	3.684	5.0	0.6	NO		NO	bb
3	3	180223M2_4	Standard	5.000	3.41	4010.978	13294.593	3.771	5.1	3.0	NO		NO	bb
4	4	180223M2_5	Standard	5.000	3.40	3757.924	13740.155	3.419	4.7	-6.6	NO		NO	bb
5	5	180223M2_6	Standard	5.000	3.39	4281.486	14652.062	3.653	5.0	-0.3	NO		NO	bb
6	6	180223M2_7	Standard	5.000	3.39	3785.156	13686.169	3.457	4.7	-5.6	NO		NO	bb
7	7	180223M2_8	Standard	5.000	3.39	4268.203	14175.378	3.764	5.1	2.8	NO		NO	bb
8	8	180223M2_9	Standard	5.000	3.38	4212.930	14044.191	3.750	5.1	2.4	NO		NO	bb
9	9	180223M2_10	Standard	5.000	3.38	3535.379	12870.581	3.434	4.7	-6.2	NO		NO	MM
10	10	180223M2_11	Standard	5.000	3.37	3527.607	11419.355	3.861	5.3	5.4	NO		NO	bb

Compound name: 13C4-PFHpA
Response Factor: 0.716912
RRF SD: 0.0717018, Relative SD: 10.0015
Response type: Internal Std (Ref 56), 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	180223M2_2	Standard	12.500	4.04	9074.987	14188.003	7.995	11.2	-10.8	NO		NO	MM
2	2	180223M2_3	Standard	12.500	4.03	10955.203	13914.073	9.842	13.7	9.8	NO		NO	bb
3	3	180223M2_4	Standard	12.500	4.03	11824.091	13294.593	11.117	15.5	24.1	NO		NO	bb
4	4	180223M2_5	Standard	12.500	4.02	9718.132	13740.155	8.841	12.3	-1.3	NO		NO	MM
5	5	180223M2_6	Standard	12.500	4.01	10164.811	14652.062	8.672	12.1	-3.2	NO		NO	MM
6	6	180223M2_7	Standard	12.500	4.01	9817.713	13686.169	8.967	12.5	0.1	NO		NO	bb
7	7	180223M2_8	Standard	12.500	4.00	9506.732	14175.378	8.383	11.7	-6.5	NO		NO	bb
8	8	180223M2_9	Standard	12.500	4.00	9542.454	14044.191	8.493	11.8	-5.2	NO		NO	MM
9	9	180223M2_10	Standard	12.500	3.99	8783.848	12870.581	8.531	11.9	-4.8	NO		NO	MM
10	10	180223M2_11	Standard	12.500	3.99	8014.083	11419.355	8.772	12.2	-2.1	NO		NO	MM

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Compound name: 18O2-PFHxS
Response Factor: 0.367793
RRF SD: 0.0323665, Relative SD: 8.8002
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	12.500	4.18	1315.655	3106.773	5.293	14.4	15.1	NO		NO	bb
2	2	180223M2_3	Standard	12.500	4.17	1378.944	3474.637	4.961	13.5	7.9	NO		NO	bb
3	3	180223M2_4	Standard	12.500	4.17	1105.439	2996.136	4.612	12.5	0.3	NO		NO	bb
4	4	180223M2_5	Standard	12.500	4.15	1234.404	3678.345	4.195	11.4	-8.8	NO		NO	bb
5	5	180223M2_6	Standard	12.500	4.15	1231.385	3266.042	4.713	12.8	2.5	NO		NO	bb
6	6	180223M2_7	Standard	12.500	4.14	1236.902	3211.679	4.814	13.1	4.7	NO		NO	bb
7	7	180223M2_8	Standard	12.500	4.14	1305.135	3587.407	4.548	12.4	-1.1	NO		NO	bb
8	8	180223M2_9	Standard	12.500	4.14	1140.710	3250.014	4.387	11.9	-4.6	NO		NO	bb
9	9	180223M2_10	Standard	12.500	4.13	1013.377	3306.264	3.831	10.4	-16.7	NO		NO	bb
10	10	180223M2_11	Standard	12.500	4.13	1054.809	2853.921	4.620	12.6	0.5	NO		NO	bb

Compound name: 13C2-PFOA
Response Factor: 1.31103
RRF SD: 0.110501, Relative SD: 8.42858
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	12.500	4.55	16038.859	12082.043	16.594	12.7	1.3	NO		NO	MM
2	2	180223M2_3	Standard	12.500	4.54	14498.370	12341.627	14.684	11.2	-10.4	NO		NO	MM
3	3	180223M2_4	Standard	12.500	4.53	16334.068	11710.641	17.435	13.3	6.4	NO		NO	MM
4	4	180223M2_5	Standard	12.500	4.53	14861.823	11857.083	15.668	12.0	-4.4	NO		NO	bb
5	5	180223M2_6	Standard	12.500	4.52	15855.884	10780.358	18.385	14.0	12.2	NO		NO	MM
6	6	180223M2_7	Standard	12.500	4.52	15434.582	10732.854	17.976	13.7	9.7	NO		NO	MM
7	7	180223M2_8	Standard	12.500	4.52	14600.954	11766.237	15.511	11.8	-5.3	NO		NO	MM
8	8	180223M2_9	Standard	12.500	4.51	16845.432	12023.046	17.514	13.4	6.9	NO		NO	MM
9	9	180223M2_10	Standard	12.500	4.50	14720.892	11822.896	15.564	11.9	-5.0	NO		NO	MM
10	10	180223M2_11	Standard	12.500	4.50	12676.605	10892.314	14.548	11.1	-11.2	NO		NO	MM

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Compound name: 13C5-PFNA
Response Factor: 0.974421
RRF SD: 0.105717, Relative SD: 10.8492
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	12.500	4.97	13504.597	13211.079	12.778	13.1	4.9	NO		NO	MM
2	2	180223M2_3	Standard	12.500	4.97	12649.265	13334.108	11.858	12.2	-2.6	NO		NO	bb
3	3	180223M2_4	Standard	12.500	4.96	13969.429	12030.898	14.514	14.9	19.2	NO		NO	MM
4	4	180223M2_5	Standard	12.500	4.96	14032.124	13314.487	13.174	13.5	8.2	NO		NO	MM
5	5	180223M2_6	Standard	12.500	4.95	10452.933	13229.473	9.877	10.1	-18.9	NO		NO	MM
6	6	180223M2_7	Standard	12.500	4.94	11990.564	13449.695	11.144	11.4	-8.5	NO		NO	MM
7	7	180223M2_8	Standard	12.500	4.94	14257.599	14525.397	12.270	12.6	0.7	NO		NO	MM
8	8	180223M2_9	Standard	12.500	4.94	14062.927	13425.239	13.094	13.4	7.5	NO		NO	MM
9	9	180223M2_10	Standard	12.500	4.93	11419.842	13076.885	10.916	11.2	-10.4	NO		NO	MM
10	10	180223M2_11	Standard	12.500	4.93	11719.382	12027.984	12.179	12.5	-0.0	NO		NO	MM

Compound name: 13C8-PFOSA
Response Factor: 0.187485
RRF SD: 0.0231567, Relative SD: 12.3512
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	180223M2_2	Standard	12.500	5.02	2995.646	17771.223	2.107	11.2	-10.1	NO		NO	MM
2	2	180223M2_3	Standard	12.500	5.02	3608.436	17376.387	2.596	13.8	10.8	NO		NO	MM
3	3	180223M2_4	Standard	12.500	5.01	3206.918	19831.869	2.021	10.8	-13.8	NO		NO	MM
4	4	180223M2_5	Standard	12.500	5.01	3292.697	14715.104	2.797	14.9	19.3	NO		NO	MM
5	5	180223M2_6	Standard	12.500	5.00	3225.573	19509.289	2.067	11.0	-11.8	NO		NO	MM
6	6	180223M2_7	Standard	12.500	5.00	3488.319	15669.887	2.783	14.8	18.7	NO		NO	bb
7	7	180223M2_8	Standard	12.500	5.00	3308.423	19110.447	2.164	11.5	-7.7	NO		NO	MM
8	8	180223M2_9	Standard	12.500	4.99	3079.704	16019.212	2.403	12.8	2.5	NO		NO	bb
9	9	180223M2_10	Standard	12.500	4.99	2803.924	15374.366	2.280	12.2	-2.7	NO		NO	bb
10	10	180223M2_11	Standard	12.500	4.98	2768.524	15601.469	2.218	11.8	-5.4	NO		NO	MM

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Compound name: 13C8-PFOS
Response Factor: 1.07481
RRF SD: 0.116295, Relative SD: 10.8201
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	180223M2_2	Standard	12.500	5.05	3734.501	2873.148	16.247	15.1	20.9	NO		NO	bd
2	2	180223M2_3	Standard	12.500	5.04	3847.172	3490.634	13.777	12.8	2.5	NO		NO	bb
3	3	180223M2_4	Standard	12.500	5.04	3374.317	2989.777	14.108	13.1	5.0	NO		NO	bb
4	4	180223M2_5	Standard	12.500	5.03	3069.772	3432.057	11.181	10.4	-16.8	NO		NO	MM
5	5	180223M2_6	Standard	12.500	5.02	3748.790	3491.873	13.420	12.5	-0.1	NO		NO	bb
6	6	180223M2_7	Standard	12.500	5.02	3065.535	3260.314	11.753	10.9	-12.5	NO		NO	MM
7	7	180223M2_8	Standard	12.500	5.02	3503.183	2980.917	14.690	13.7	9.3	NO		NO	bd
8	8	180223M2_9	Standard	12.500	5.01	2949.732	2889.367	12.761	11.9	-5.0	NO		NO	bb
9	9	180223M2_10	Standard	12.500	5.01	3016.991	2751.678	13.705	12.8	2.0	NO		NO	bb
10	10	180223M2_11	Standard	12.500	5.00	2834.259	2787.523	12.710	11.8	-5.4	NO		NO	bb

Compound name: 13C2-PFDA
Response Factor: 1.01905
RRF SD: 0.108358, Relative SD: 10.6332
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	180223M2_2	Standard	12.500	5.34	14375.415	11441.635	15.705	15.4	23.3	NO		NO	bb
2	2	180223M2_3	Standard	12.500	5.34	12481.175	13839.629	11.273	11.1	-11.5	NO		NO	MM
3	3	180223M2_4	Standard	12.500	5.33	13995.697	15730.928	11.121	10.9	-12.7	NO		NO	MM
4	4	180223M2_5	Standard	12.500	5.32	16421.098	16087.330	12.759	12.5	0.2	NO		NO	MM
5	5	180223M2_6	Standard	12.500	5.32	14791.401	14493.036	12.757	12.5	0.2	NO		NO	MM
6	6	180223M2_7	Standard	12.500	5.31	15242.030	14084.743	13.527	13.3	6.2	NO		NO	MM
7	7	180223M2_8	Standard	12.500	5.31	13344.419	14317.814	11.650	11.4	-8.5	NO		NO	MM
8	8	180223M2_9	Standard	12.500	5.30	14797.779	15401.842	12.010	11.8	-5.7	NO		NO	MM
9	9	180223M2_10	Standard	12.500	5.30	13265.668	12513.781	13.251	13.0	4.0	NO		NO	bb
10	10	180223M2_11	Standard	12.500	5.29	12194.934	11438.349	13.327	13.1	4.6	NO		NO	bb

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Compound name: d3-N-MeFOSAA
Response Factor: 0.325211
RRF SD: 0.0365522, Relative SD: 11.2395
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	180223M2_2	Standard	12.500	5.48	5198.102	17771.223	3.656	11.2	-10.1	NO		NO	bd
2	2	180223M2_3	Standard	12.500	5.48	6384.052	17376.387	4.592	14.1	13.0	NO		NO	bd
3	3	180223M2_4	Standard	12.500	5.47	5632.673	19831.869	3.550	10.9	-12.7	NO		NO	bb
4	4	180223M2_5	Standard	12.500	5.47	5677.819	14715.104	4.823	14.8	18.6	NO		NO	bb
5	5	180223M2_6	Standard	12.500	5.46	5485.288	19509.289	3.515	10.8	-13.5	NO		NO	MM
6	6	180223M2_7	Standard	12.500	5.46	5550.503	15669.887	4.428	13.6	8.9	NO		NO	MM
7	7	180223M2_8	Standard	12.500	5.45	5726.298	19110.447	3.746	11.5	-7.9	NO		NO	MM
8	8	180223M2_9	Standard	12.500	5.45	5473.163	16019.212	4.271	13.1	5.1	NO		NO	MM
9	9	180223M2_10	Standard	12.500	5.44	4863.641	15374.366	3.954	12.2	-2.7	NO		NO	MM
10	10	180223M2_11	Standard	12.500	5.44	5137.799	15601.469	4.116	12.7	1.3	NO		NO	MM

Compound name: d5-N-EtFOSAA
Response Factor: 0.344986
RRF SD: 0.03806, Relative SD: 11.0323
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	180223M2_2	Standard	12.500	5.64	5756.507	17771.223	4.049	11.7	-6.1	NO		NO	bb
2	2	180223M2_3	Standard	12.500	5.63	6163.200	17376.387	4.434	12.9	2.8	NO		NO	MM
3	3	180223M2_4	Standard	12.500	5.63	5975.067	19831.869	3.766	10.9	-12.7	NO		NO	MM
4	4	180223M2_5	Standard	12.500	5.62	6363.104	14715.104	5.405	15.7	25.3	NO		NO	MM
5	5	180223M2_6	Standard	12.500	5.61	6396.435	19509.289	4.098	11.9	-5.0	NO		NO	bb
6	6	180223M2_7	Standard	12.500	5.61	5793.234	15669.887	4.621	13.4	7.2	NO		NO	MM
7	7	180223M2_8	Standard	12.500	5.61	6709.200	19110.447	4.388	12.7	1.8	NO		NO	MM
8	8	180223M2_9	Standard	12.500	5.60	5571.087	16019.212	4.347	12.6	0.8	NO		NO	bb
9	9	180223M2_10	Standard	12.500	5.59	5236.398	15374.366	4.257	12.3	-1.3	NO		NO	MM
10	10	180223M2_11	Standard	12.500	5.59	4688.654	15601.469	3.757	10.9	-12.9	NO		NO	bb

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Compound name: 13C2-PFUdA
Response Factor: 1.07098
RRF SD: 0.0712834, Relative SD: 6.65592
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	180223M2_2	Standard	12.500	5.65	17449.221	17771.223	12.274	11.5	-8.3	NO		NO	MM
2	2	180223M2_3	Standard	12.500	5.65	16399.930	17376.387	11.798	11.0	-11.9	NO		NO	MM
3	3	180223M2_4	Standard	12.500	5.65	22020.176	19831.869	13.879	13.0	3.7	NO		NO	MM
4	4	180223M2_5	Standard	12.500	5.64	17521.639	14715.104	14.884	13.9	11.2	NO		NO	MM
5	5	180223M2_6	Standard	12.500	5.63	21186.348	19509.289	13.575	12.7	1.4	NO		NO	MM
6	6	180223M2_7	Standard	12.500	5.63	17103.736	15669.887	13.644	12.7	1.9	NO		NO	MM
7	7	180223M2_8	Standard	12.500	5.63	20966.855	19110.447	13.714	12.8	2.4	NO		NO	bb
8	8	180223M2_9	Standard	12.500	5.62	17945.148	16019.212	14.003	13.1	4.6	NO		NO	MM
9	9	180223M2_10	Standard	12.500	5.61	15801.903	15374.366	12.848	12.0	-4.0	NO		NO	MM
10	10	180223M2_11	Standard	12.500	5.61	16543.363	15601.469	13.255	12.4	-1.0	NO		NO	MM

Compound name: 13C2-PFDoA
Response Factor: 0.994825
RRF SD: 0.122955, Relative SD: 12.3595
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	180223M2_2	Standard	12.500	5.93	16008.225	17771.223	11.260	11.3	-9.5	NO		NO	MM
2	2	180223M2_3	Standard	12.500	5.93	17627.105	17376.387	12.680	12.7	2.0	NO		NO	MM
3	3	180223M2_4	Standard	12.500	5.92	18482.838	19831.869	11.650	11.7	-6.3	NO		NO	MM
4	4	180223M2_5	Standard	12.500	5.92	16547.289	14715.104	14.056	14.1	13.0	NO		NO	MM
5	5	180223M2_6	Standard	12.500	5.91	16643.861	19509.289	10.664	10.7	-14.2	NO		NO	MM
6	6	180223M2_7	Standard	12.500	5.91	19445.568	15669.887	15.512	15.6	24.7	NO		NO	bb
7	7	180223M2_8	Standard	12.500	5.91	16968.471	19110.447	11.099	11.2	-10.7	NO		NO	bb
8	8	180223M2_9	Standard	12.500	5.90	16231.396	16019.212	12.666	12.7	1.9	NO		NO	MM
9	9	180223M2_10	Standard	12.500	5.89	16498.746	15374.366	13.414	13.5	7.9	NO		NO	MM
10	10	180223M2_11	Standard	12.500	5.89	14168.727	15601.469	11.352	11.4	-8.7	NO		NO	MM

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Compound name: d3-N-MeFOSA
Response Factor: 0.0897861
RRF SD: 0.00869071, Relative SD: 9.67935
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	180223M2_2	Standard	150.000	5.92	19055.854	17771.223	13.404	149.3	-0.5	NO		NO	MM
2	2	180223M2_3	Standard	150.000	5.92	19384.064	17376.387	13.944	155.3	3.5	NO		NO	MM
3	3	180223M2_4	Standard	150.000	5.92	18950.740	19831.869	11.945	133.0	-11.3	NO		NO	MM
4	4	180223M2_5	Standard	150.000	5.91	18546.982	14715.104	15.755	175.5	17.0	NO		NO	MM
5	5	180223M2_6	Standard	150.000	5.91	19891.561	19509.289	12.745	141.9	-5.4	NO		NO	MM
6	6	180223M2_7	Standard	150.000	5.91	19370.273	15669.887	15.452	172.1	14.7	NO		NO	MM
7	7	180223M2_8	Standard	150.000	5.91	18153.688	19110.447	11.874	132.2	-11.8	NO		NO	MM
8	8	180223M2_9	Standard	150.000	5.90	17413.877	16019.212	13.588	151.3	0.9	NO		NO	MM
9	9	180223M2_10	Standard	150.000	5.90	16134.918	15374.366	13.118	146.1	-2.6	NO		NO	MM
10	10	180223M2_11	Standard	150.000	5.89	16043.392	15601.469	12.854	143.2	-4.6	NO		NO	MM

Compound name: 13C2-PFTeDA
Response Factor: 0.551487
RRF SD: 0.0716766, Relative SD: 12.997
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	180223M2_2	Standard	12.500	6.37	8178.276	17771.223	5.752	10.4	-16.6	NO		NO	MM
2	2	180223M2_3	Standard	12.500	6.36	8107.277	17376.387	5.832	10.6	-15.4	NO		NO	MM
3	3	180223M2_4	Standard	12.500	6.36	9827.413	19831.869	6.194	11.2	-10.1	NO		NO	MM
4	4	180223M2_5	Standard	12.500	6.36	9354.263	14715.104	7.946	14.4	15.3	NO		NO	MM
5	5	180223M2_6	Standard	12.500	6.35	9190.976	19509.289	5.889	10.7	-14.6	NO		NO	MM
6	6	180223M2_7	Standard	12.500	6.35	8969.756	15669.887	7.155	13.0	3.8	NO		NO	MM
7	7	180223M2_8	Standard	12.500	6.35	10824.569	19110.447	7.080	12.8	2.7	NO		NO	bb
8	8	180223M2_9	Standard	12.500	6.34	10167.371	16019.212	7.934	14.4	15.1	NO		NO	MM
9	9	180223M2_10	Standard	12.500	6.33	9551.083	15374.366	7.765	14.1	12.6	NO		NO	MM
10	10	180223M2_11	Standard	12.500	6.33	9220.446	15601.469	7.387	13.4	7.2	NO		NO	MM

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Compound name: d5-N-ETFOSA
Response Factor: 0.127037
RRF SD: 0.0137058, Relative SD: 10.7889
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	180223M2_2	Standard	150.000	6.26	26161.914	17771.223	18.402	144.9	-3.4	NO		NO	MM
2	2	180223M2_3	Standard	150.000	6.26	27892.309	17376.387	20.065	157.9	5.3	NO		NO	MM
3	3	180223M2_4	Standard	150.000	6.26	26069.443	19831.869	16.432	129.3	-13.8	NO		NO	MM
4	4	180223M2_5	Standard	150.000	6.26	26967.154	14715.104	22.908	180.3	20.2	NO		NO	MM
5	5	180223M2_6	Standard	150.000	6.25	26622.256	19509.289	17.057	134.3	-10.5	NO		NO	MM
6	6	180223M2_7	Standard	150.000	6.26	26964.436	15669.887	21.510	169.3	12.9	NO		NO	MM
7	7	180223M2_8	Standard	150.000	6.26	28178.416	19110.447	18.431	145.1	-3.3	NO		NO	bb
8	8	180223M2_9	Standard	150.000	6.25	25677.367	16019.212	20.036	157.7	5.1	NO		NO	MM
9	9	180223M2_10	Standard	150.000	6.25	22653.119	15374.366	18.418	145.0	-3.3	NO		NO	MM
10	10	180223M2_11	Standard	150.000	6.25	21587.748	15601.469	17.296	136.2	-9.2	NO		NO	MM

Compound name: 13C2-PFHxDA
Response Factor: 0.75156
RRF SD: 0.110561, Relative SD: 14.7109
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	180223M2_2	Standard	5.000	6.66	4074.456	17771.223	2.866	3.8	-23.7	NO		NO	MM
2	2	180223M2_3	Standard	5.000	6.66	4817.657	17376.387	3.466	4.6	-7.8	NO		NO	bb
3	3	180223M2_4	Standard	5.000	6.65	5473.904	19831.869	3.450	4.6	-8.2	NO		NO	bb
4	4	180223M2_5	Standard	5.000	6.65	4935.974	14715.104	4.193	5.6	11.6	NO		NO	bb
5	5	180223M2_6	Standard	5.000	6.64	4845.384	19509.289	3.105	4.1	-17.4	NO		NO	bb
6	6	180223M2_7	Standard	5.000	6.64	4786.577	15669.887	3.818	5.1	1.6	NO		NO	MM
7	7	180223M2_8	Standard	5.000	6.64	5688.850	19110.447	3.721	5.0	-1.0	NO		NO	MM
8	8	180223M2_9	Standard	5.000	6.63	5940.031	16019.212	4.635	6.2	23.3	NO		NO	MM
9	9	180223M2_10	Standard	5.000	6.63	5327.131	15374.366	4.331	5.8	15.3	NO		NO	MM
10	10	180223M2_11	Standard	5.000	6.63	4983.928	15601.469	3.993	5.3	6.3	NO		NO	MM

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Compound name: d7-N-MeFOSE
Response Factor: 0.098285
RRF SD: 0.0133014, Relative SD: 13.5335
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	180223M2_2	Standard	150.000	6.33	18932.660	17771.223	13.317	135.5	-9.7	NO		NO	MM
2	2	180223M2_3	Standard	150.000	6.33	19431.711	17376.387	13.979	142.2	-5.2	NO		NO	MM
3	3	180223M2_4	Standard	150.000	6.33	17936.891	19831.869	11.306	115.0	-23.3	NO		NO	MM
4	4	180223M2_5	Standard	150.000	6.33	20440.525	14715.104	17.364	176.7	17.8	NO		NO	MM
5	5	180223M2_6	Standard	150.000	6.32	22903.383	19509.289	14.675	149.3	-0.5	NO		NO	MM
6	6	180223M2_7	Standard	150.000	6.32	21668.443	15669.887	17.285	175.9	17.2	NO		NO	MM
7	7	180223M2_8	Standard	150.000	6.32	22620.521	19110.447	14.796	150.5	0.4	NO		NO	MM
8	8	180223M2_9	Standard	150.000	6.32	21697.508	16019.212	16.931	172.3	14.8	NO		NO	MM
9	9	180223M2_10	Standard	150.000	6.32	18251.301	15374.366	14.839	151.0	0.7	NO		NO	MM
10	10	180223M2_11	Standard	150.000	6.32	16147.198	15601.469	12.937	131.6	-12.2	NO		NO	MM

Compound name: d9-N-EtFOSE
Response Factor: 0.0864275
RRF SD: 0.00771121, Relative SD: 8.92217
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	180223M2_2	Standard	150.000	6.47	19096.873	17771.223	13.432	155.4	3.6	NO		NO	MM
2	2	180223M2_3	Standard	150.000	6.47	17735.814	17376.387	12.759	147.6	-1.6	NO		NO	MM
3	3	180223M2_4	Standard	150.000	6.47	18738.473	19831.869	11.811	136.7	-8.9	NO		NO	MM
4	4	180223M2_5	Standard	150.000	6.47	17697.469	14715.104	15.033	173.9	16.0	NO		NO	MM
5	5	180223M2_6	Standard	150.000	6.47	16744.076	19509.289	10.728	124.1	-17.2	NO		NO	MM
6	6	180223M2_7	Standard	150.000	6.47	17484.357	15669.887	13.947	161.4	7.6	NO		NO	MM
7	7	180223M2_8	Standard	150.000	6.47	19538.750	19110.447	12.780	147.9	-1.4	NO		NO	MM
8	8	180223M2_9	Standard	150.000	6.47	16355.551	16019.212	12.762	147.7	-1.6	NO		NO	MM
9	9	180223M2_10	Standard	150.000	6.47	16099.970	15374.366	13.090	151.5	1.0	NO		NO	MM
10	10	180223M2_11	Standard	150.000	6.47	16597.168	15601.469	13.298	153.9	2.6	NO		NO	MM

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Compound name: 13C4-PFBA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 55), 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	180223M2_2	Standard	12.500	1.70	12932.892	12932.892	12.500	12.5	0.0	NO		NO	bb
2	2	180223M2_3	Standard	12.500	1.69	13127.025	13127.025	12.500	12.5	0.0	NO		NO	MM
3	3	180223M2_4	Standard	12.500	1.68	12462.627	12462.627	12.500	12.5	0.0	NO		NO	MM
4	4	180223M2_5	Standard	12.500	1.68	12742.151	12742.151	12.500	12.5	0.0	NO		NO	MM
5	5	180223M2_6	Standard	12.500	1.67	12841.889	12841.889	12.500	12.5	0.0	NO		NO	MM
6	6	180223M2_7	Standard	12.500	1.66	13146.962	13146.962	12.500	12.5	0.0	NO		NO	MM
7	7	180223M2_8	Standard	12.500	1.66	13431.110	13431.110	12.500	12.5	0.0	NO		NO	MM
8	8	180223M2_9	Standard	12.500	1.66	12748.681	12748.681	12.500	12.5	0.0	NO		NO	MM
9	9	180223M2_10	Standard	12.500	1.65	12297.072	12297.072	12.500	12.5	0.0	NO		NO	MM
10	10	180223M2_11	Standard	12.500	1.65	12179.933	12179.933	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C5-PFHxA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 56), 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	180223M2_2	Standard	12.500	3.42	14188.003	14188.003	12.500	12.5	0.0	NO		NO	bb
2	2	180223M2_3	Standard	12.500	3.41	13914.073	13914.073	12.500	12.5	0.0	NO		NO	MM
3	3	180223M2_4	Standard	12.500	3.41	13294.593	13294.593	12.500	12.5	0.0	NO		NO	bb
4	4	180223M2_5	Standard	12.500	3.40	13740.155	13740.155	12.500	12.5	0.0	NO		NO	MM
5	5	180223M2_6	Standard	12.500	3.39	14652.062	14652.062	12.500	12.5	0.0	NO		NO	bb
6	6	180223M2_7	Standard	12.500	3.39	13686.169	13686.169	12.500	12.5	0.0	NO		NO	MM
7	7	180223M2_8	Standard	12.500	3.39	14175.378	14175.378	12.500	12.5	0.0	NO		NO	MM
8	8	180223M2_9	Standard	12.500	3.38	14044.191	14044.191	12.500	12.5	0.0	NO		NO	MM
9	9	180223M2_10	Standard	12.500	3.37	12870.581	12870.581	12.500	12.5	0.0	NO		NO	MM
10	10	180223M2_11	Standard	12.500	3.37	11419.355	11419.355	12.500	12.5	0.0	NO		NO	MM

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Compound name: 13C3-PFHxS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	12.500	4.18	3106.773	3106.773	12.500	12.5	0.0	NO		NO	bb
2	2	180223M2_3	Standard	12.500	4.17	3474.637	3474.637	12.500	12.5	0.0	NO		NO	bb
3	3	180223M2_4	Standard	12.500	4.17	2996.136	2996.136	12.500	12.5	0.0	NO		NO	MM
4	4	180223M2_5	Standard	12.500	4.16	3678.345	3678.345	12.500	12.5	0.0	NO		NO	bb
5	5	180223M2_6	Standard	12.500	4.15	3266.042	3266.042	12.500	12.5	0.0	NO		NO	bb
6	6	180223M2_7	Standard	12.500	4.14	3211.679	3211.679	12.500	12.5	0.0	NO		NO	bb
7	7	180223M2_8	Standard	12.500	4.14	3587.407	3587.407	12.500	12.5	0.0	NO		NO	bb
8	8	180223M2_9	Standard	12.500	4.14	3250.014	3250.014	12.500	12.5	0.0	NO		NO	bb
9	9	180223M2_10	Standard	12.500	4.13	3306.264	3306.264	12.500	12.5	0.0	NO		NO	bb
10	10	180223M2_11	Standard	12.500	4.13	2853.921	2853.921	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	12.500	4.55	12082.043	12082.043	12.500	12.5	0.0	NO		NO	MM
2	2	180223M2_3	Standard	12.500	4.54	12341.627	12341.627	12.500	12.5	0.0	NO		NO	bb
3	3	180223M2_4	Standard	12.500	4.53	11710.641	11710.641	12.500	12.5	0.0	NO		NO	bb
4	4	180223M2_5	Standard	12.500	4.53	11857.083	11857.083	12.500	12.5	0.0	NO		NO	bb
5	5	180223M2_6	Standard	12.500	4.52	10780.358	10780.358	12.500	12.5	0.0	NO		NO	MM
6	6	180223M2_7	Standard	12.500	4.52	10732.854	10732.854	12.500	12.5	0.0	NO		NO	MM
7	7	180223M2_8	Standard	12.500	4.52	11766.237	11766.237	12.500	12.5	0.0	NO		NO	MM
8	8	180223M2_9	Standard	12.500	4.51	12023.046	12023.046	12.500	12.5	0.0	NO		NO	MM
9	9	180223M2_10	Standard	12.500	4.50	11822.896	11822.896	12.500	12.5	0.0	NO		NO	bb
10	10	180223M2_11	Standard	12.500	4.50	10892.314	10892.314	12.500	12.5	0.0	NO		NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:02:36 Pacific Standard Time

Compound name: 13C9-PFNA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	12.500	4.97	13211.079	13211.079	12.500	12.5	0.0	NO		NO	MM
2	2	180223M2_3	Standard	12.500	4.97	13334.108	13334.108	12.500	12.5	0.0	NO		NO	MM
3	3	180223M2_4	Standard	12.500	4.96	12030.898	12030.898	12.500	12.5	0.0	NO		NO	bb
4	4	180223M2_5	Standard	12.500	4.96	13314.487	13314.487	12.500	12.5	0.0	NO		NO	MM
5	5	180223M2_6	Standard	12.500	4.95	13229.473	13229.473	12.500	12.5	0.0	NO		NO	bb
6	6	180223M2_7	Standard	12.500	4.95	13449.695	13449.695	12.500	12.5	0.0	NO		NO	MM
7	7	180223M2_8	Standard	12.500	4.95	14525.397	14525.397	12.500	12.5	0.0	NO		NO	MM
8	8	180223M2_9	Standard	12.500	4.94	13425.239	13425.239	12.500	12.5	0.0	NO		NO	MM
9	9	180223M2_10	Standard	12.500	4.93	13076.885	13076.885	12.500	12.5	0.0	NO		NO	MM
10	10	180223M2_11	Standard	12.500	4.93	12027.984	12027.984	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C4-PFOS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	12.500	5.05	2873.148	2873.148	12.500	12.5	0.0	NO		NO	bb
2	2	180223M2_3	Standard	12.500	5.04	3490.634	3490.634	12.500	12.5	0.0	NO		NO	MM
3	3	180223M2_4	Standard	12.500	5.04	2989.777	2989.777	12.500	12.5	0.0	NO		NO	MM
4	4	180223M2_5	Standard	12.500	5.03	3432.057	3432.057	12.500	12.5	0.0	NO		NO	MM
5	5	180223M2_6	Standard	12.500	5.02	3491.873	3491.873	12.500	12.5	0.0	NO		NO	bb
6	6	180223M2_7	Standard	12.500	5.02	3260.314	3260.314	12.500	12.5	0.0	NO		NO	MM
7	7	180223M2_8	Standard	12.500	5.02	2980.917	2980.917	12.500	12.5	0.0	NO		NO	MM
8	8	180223M2_9	Standard	12.500	5.01	2889.367	2889.367	12.500	12.5	0.0	NO		NO	bb
9	9	180223M2_10	Standard	12.500	5.01	2751.678	2751.678	12.500	12.5	0.0	NO		NO	MM
10	10	180223M2_11	Standard	12.500	5.00	2787.523	2787.523	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:02:36 Pacific Standard Time

Compound name: 13C6-PFDA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	12.500	5.34	11441.635	11441.635	12.500	12.5	0.0	NO		NO	bb
2	2	180223M2_3	Standard	12.500	5.34	13839.629	13839.629	12.500	12.5	0.0	NO		NO	bb
3	3	180223M2_4	Standard	12.500	5.33	15730.928	15730.928	12.500	12.5	0.0	NO		NO	bb
4	4	180223M2_5	Standard	12.500	5.32	16087.330	16087.330	12.500	12.5	0.0	NO		NO	MM
5	5	180223M2_6	Standard	12.500	5.32	14493.036	14493.036	12.500	12.5	0.0	NO		NO	bb
6	6	180223M2_7	Standard	12.500	5.31	14084.743	14084.743	12.500	12.5	0.0	NO		NO	MM
7	7	180223M2_8	Standard	12.500	5.31	14317.814	14317.814	12.500	12.5	0.0	NO		NO	MM
8	8	180223M2_9	Standard	12.500	5.31	15401.842	15401.842	12.500	12.5	0.0	NO		NO	MM
9	9	180223M2_10	Standard	12.500	5.30	12513.781	12513.781	12.500	12.5	0.0	NO		NO	MM
10	10	180223M2_11	Standard	12.500	5.29	11438.349	11438.349	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C7-PFUdA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180223M2_2	Standard	12.500	5.65	17771.223	17771.223	12.500	12.5	0.0	NO		NO	MM
2	2	180223M2_3	Standard	12.500	5.65	17376.387	17376.387	12.500	12.5	0.0	NO		NO	MM
3	3	180223M2_4	Standard	12.500	5.65	19831.869	19831.869	12.500	12.5	0.0	NO		NO	MM
4	4	180223M2_5	Standard	12.500	5.64	14715.104	14715.104	12.500	12.5	0.0	NO		NO	MM
5	5	180223M2_6	Standard	12.500	5.63	19509.289	19509.289	12.500	12.5	0.0	NO		NO	MM
6	6	180223M2_7	Standard	12.500	5.63	15669.887	15669.887	12.500	12.5	0.0	NO		NO	MM
7	7	180223M2_8	Standard	12.500	5.63	19110.447	19110.447	12.500	12.5	0.0	NO		NO	bb
8	8	180223M2_9	Standard	12.500	5.62	16019.212	16019.212	12.500	12.5	0.0	NO		NO	MM
9	9	180223M2_10	Standard	12.500	5.61	15374.366	15374.366	12.500	12.5	0.0	NO		NO	MM
10	10	180223M2_11	Standard	12.500	5.61	15601.469	15601.469	12.500	12.5	0.0	NO		NO	MM

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 15:27:24 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:30:34 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022218.mdb 23 Feb 2018 08:58:55
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180223M2_2, Date: 23-Feb-2018, Time: 20:47:38, ID: ST180223M2-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

	#	Name	IS#	CoD	CoD Flag	%RSD
1	1	PFBA	34	0.9996	NO	
2	2	PFPeA	35	0.9996	NO	
3	3	PFBS	36	0.9999	NO	
4	4	4:2 FTS	36	0.9993	NO	
5	5	PFHxA	37	0.9982	NO	
6	6	PFPeS	36	0.9970	NO	
7	7	PFHpA	38	0.9951	NO	
8	8	L-PFHxS	39	0.9943	NO	
9	10	6:2 FTS	40	0.9978	NO	
10	11	L-PFOA	40	0.9943	NO	
11	13	PFHpS	40	0.9956	NO	
12	14	PFNA	41	0.9965	NO	
13	15	PFOSA	42	0.9974	NO	
14	16	L-PFOS	43	0.9987	NO	
15	18	PFDA	44	0.9979	NO	
16	19	8:2 FTS	40	0.9979	NO	
17	20	PFNS	43	0.9928	NO	
18	21	N-MeFOSAA	45	0.9996	NO	
19	22	N-EtFOSAA	46	0.9987	NO	
20	23	PFUdA	47	0.9985	NO	
21	24	PFDS	47	0.9980	NO	
22	25	PFDoA	48	0.9980	NO	
23	26	N-MeFOSA	49	0.9938	NO	
24	27	PFTrDA	48	0.9926	NO	
25	28	PFTeDA	50	0.9992	NO	
26	29	N-EtFOSA	51	0.9997	NO	
27	30	PFHxDA	52	0.9981	NO	
28	31	PFODA	52	0.9986	NO	
29	32	N-MeFOSE	53	0.9966	NO	
30	33	N-EtFOSE	54	0.9985	NO	
31	34	13C3-PFBA	55		NO	2.369
32	35	13C3-PFPeA	56		NO	5.817

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 15:27:24 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:30:34 Pacific Standard Time

Name: 180223M2_2, Date: 23-Feb-2018, Time: 20:47:38, ID: ST180223M2-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

	#	Name	IS#	CoD	CoD Flag	%RSD
33	36	13C3-PFBS	56		NO	5.351
34	37	13C2-PFHxA	56		NO	4.563
35	38	13C4-PFHpA	56		NO	10.001
36	39	18O2-PFHxS	57		NO	8.800
37	40	13C2-PFOA	58		NO	8.429
38	41	13C5-PFNA	59		NO	10.849
39	42	13C8-PFOSA	62		NO	12.351
40	43	13C8-PFOS	60		NO	10.820
41	44	13C2-PFDA	61		NO	10.633
42	45	d3-N-MeFOSAA	62		NO	11.240
43	46	d5-N-EtFOSAA	62		NO	11.032
44	47	13C2-PFUdA	62		NO	6.656
45	48	13C2-PFDoA	62		NO	12.359
46	49	d3-N-MeFOSA	62		NO	9.679
47	50	13C2-PFTeDA	62		NO	12.997
48	51	d5-N-ETFOSA	62		NO	10.789
49	52	13C2-PFHxDA	62		NO	14.711
50	53	d7-N-MeFOSE	62		NO	13.533
51	54	d9-N-EtFOSE	62		NO	8.922
52	55	13C4-PFBA	55		NO	0.000
53	56	13C5-PFHxA	56		NO	0.000
54	57	13C3-PFHxS	57		NO	0.000
55	58	13C8-PFOA	58		NO	0.000
56	59	13C9-PFNA	59		NO	0.000
57	60	13C4-PFOS	60		NO	0.000
58	61	13C6-PFDA	61		NO	0.000
59	62	13C7-PFUdA	62		NO	0.000

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Saturday, February 24, 2018 15:37:59 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:38:04 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 24 Feb 2018 14:29:21
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180223M2_1	IPA	23-Feb-18	20:36:14
2	180223M2_2	ST180223M2-1 PFC CS-2 18B2312	23-Feb-18	20:47:38
3	180223M2_3	ST180223M2-2 PFC CS-1 18B2313	23-Feb-18	20:59:05
4	180223M2_4	ST180223M2-3 PFC CS0 18B2314	23-Feb-18	21:10:32
5	180223M2_5	ST180223M2-4 PFC CS1 18B2315	23-Feb-18	21:22:01
6	180223M2_6	ST180223M2-5 PFC CS2 18B2316	23-Feb-18	21:33:31
7	180223M2_7	ST180223M2-6 PFC CS3 18B2317	23-Feb-18	21:45:01
8	180223M2_8	ST180223M2-7 PFC CS4 18B2318	23-Feb-18	21:56:28
9	180223M2_9	ST180223M2-8 PFC CS5 18B2319	23-Feb-18	22:07:55
10	180223M2_10	ST180223M2-9 PFC CS6 18B2320	23-Feb-18	22:19:24
11	180223M2_11	ST180223M2-10 PFC CS7 18B2321	23-Feb-18	22:30:54
12	180223M2_12	IPA	23-Feb-18	22:42:23
13	180223M2_13	ICV180223M2-1 PFC ICV 18B2311	23-Feb-18	22:53:52
14	180223M2_14	IPA	23-Feb-18	23:05:22

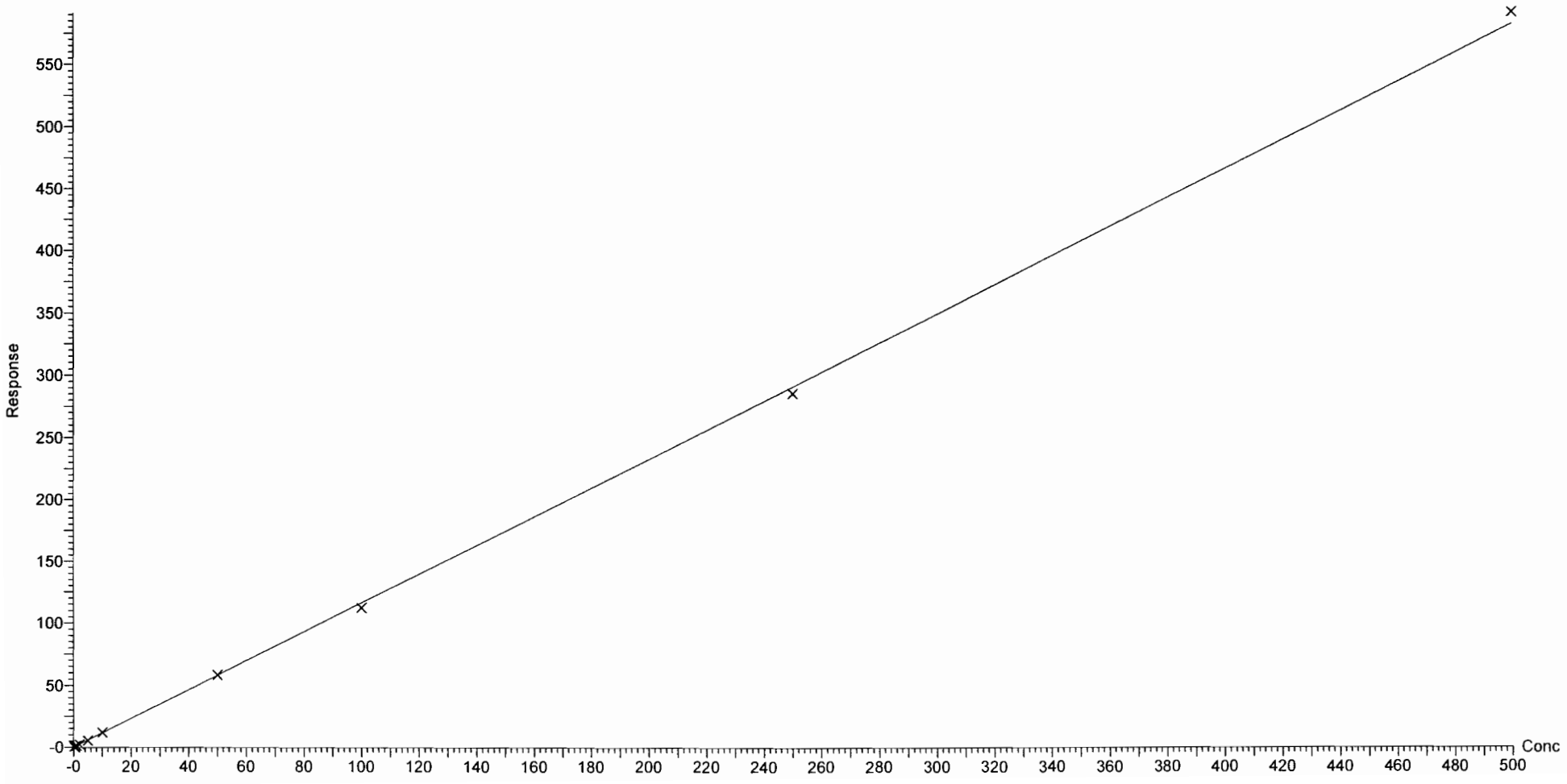
Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022218.mdb 23 Feb 2018 08:58:55
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 14:25:54

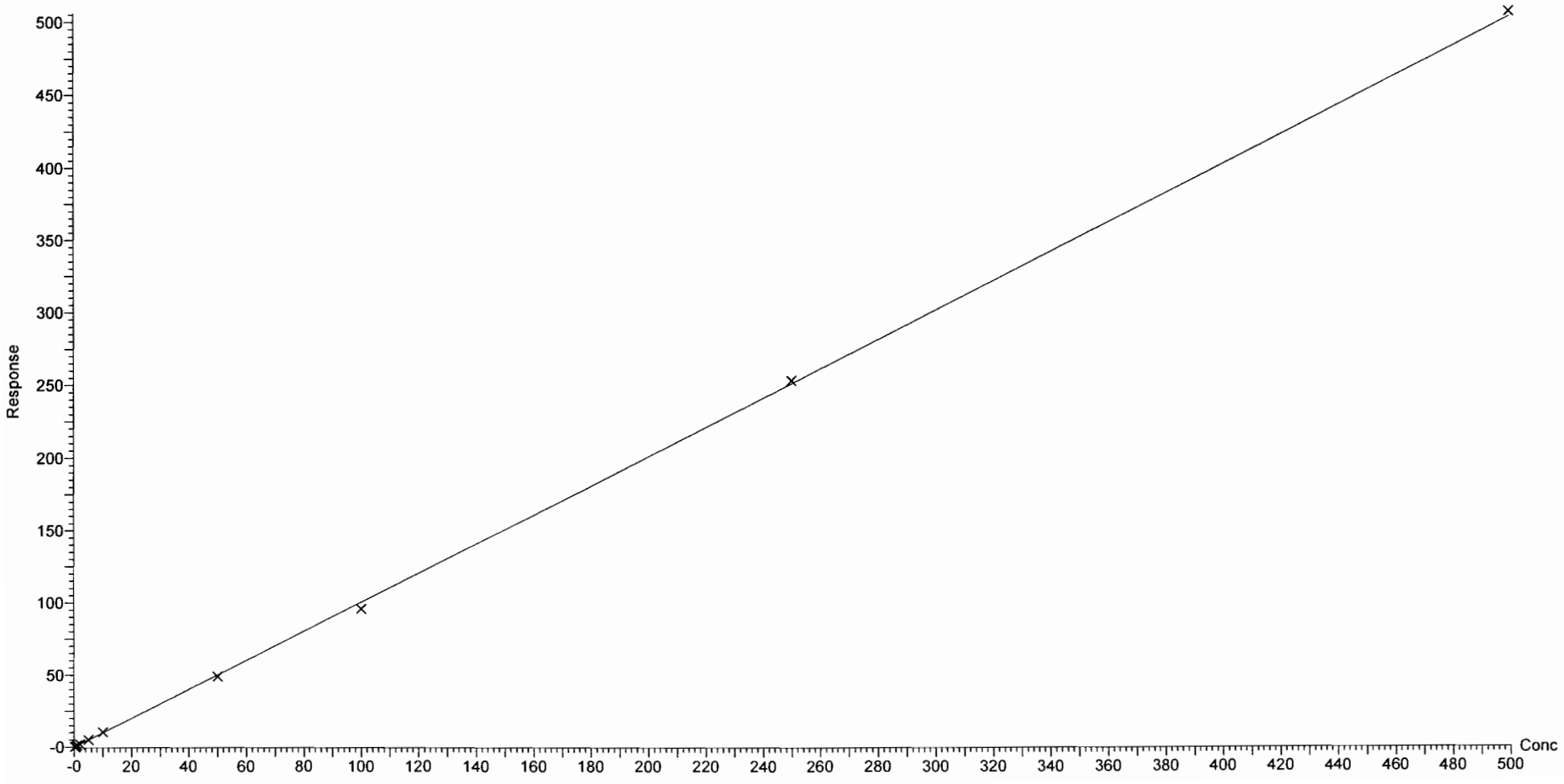
Compound name: PFBA
Correlation coefficient: r = 0.999802, r^2 = 0.999605
Calibration curve: 1.16364 * x + -0.0400535
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

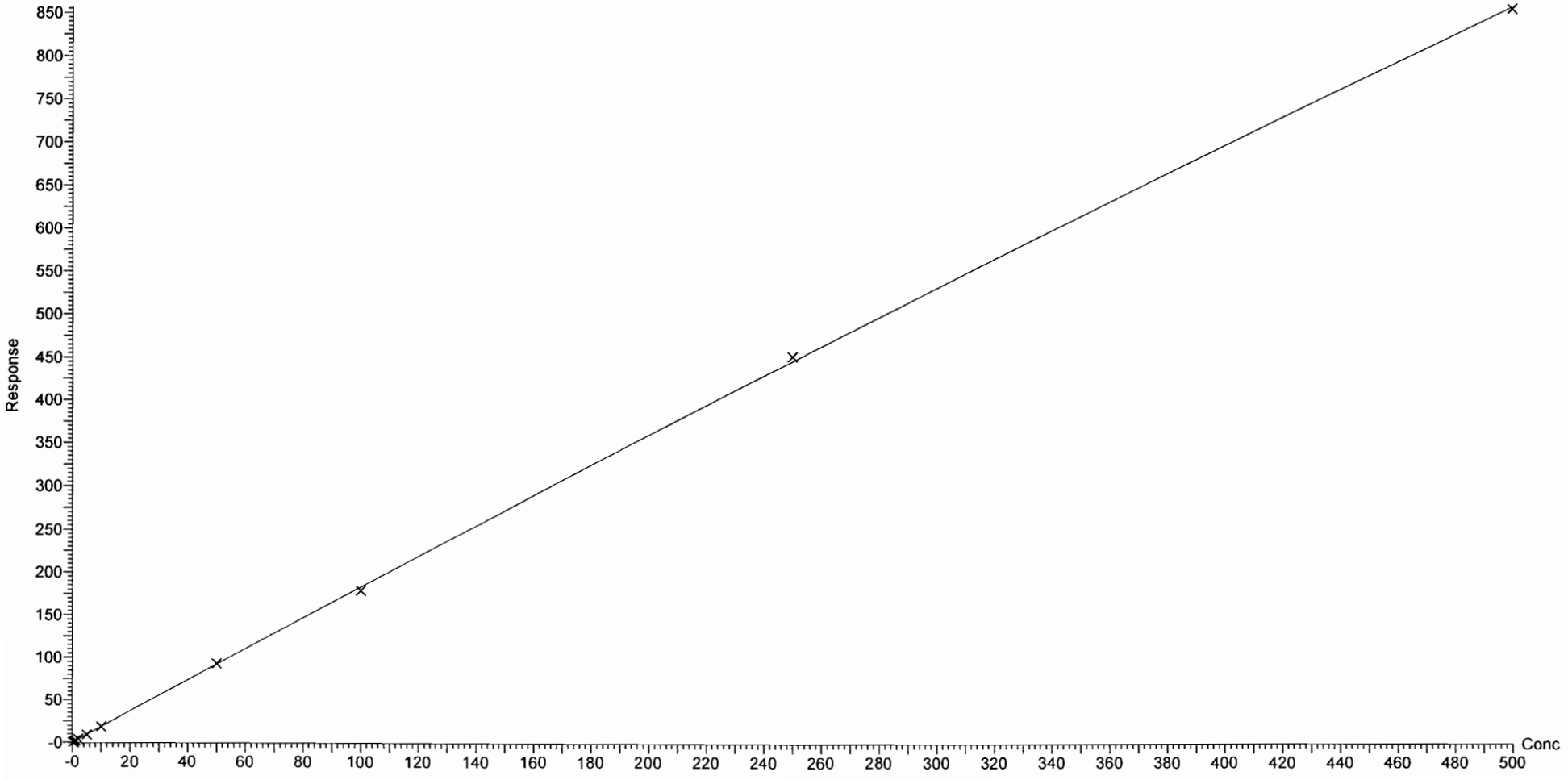
Compound name: PFPeA
Correlation coefficient: r = 0.999822, r^2 = 0.999644
Calibration curve: 1.00483 * x + 0.00882636
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: PFBS
Coefficient of Determination: R^2 = 0.999859
Calibration curve: -0.000291537 * x^2 + 1.85881 * x + 0.0313148
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

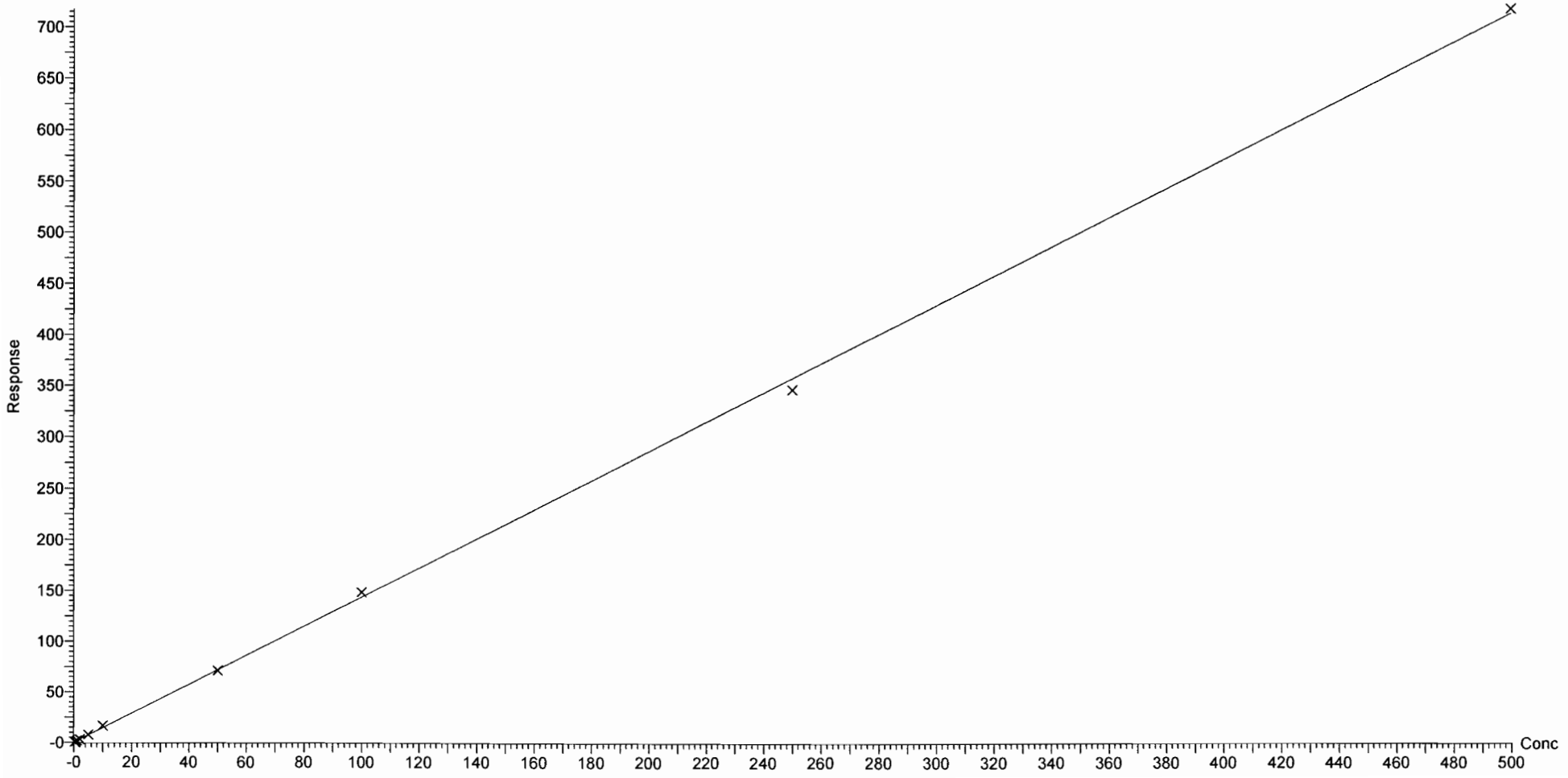


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

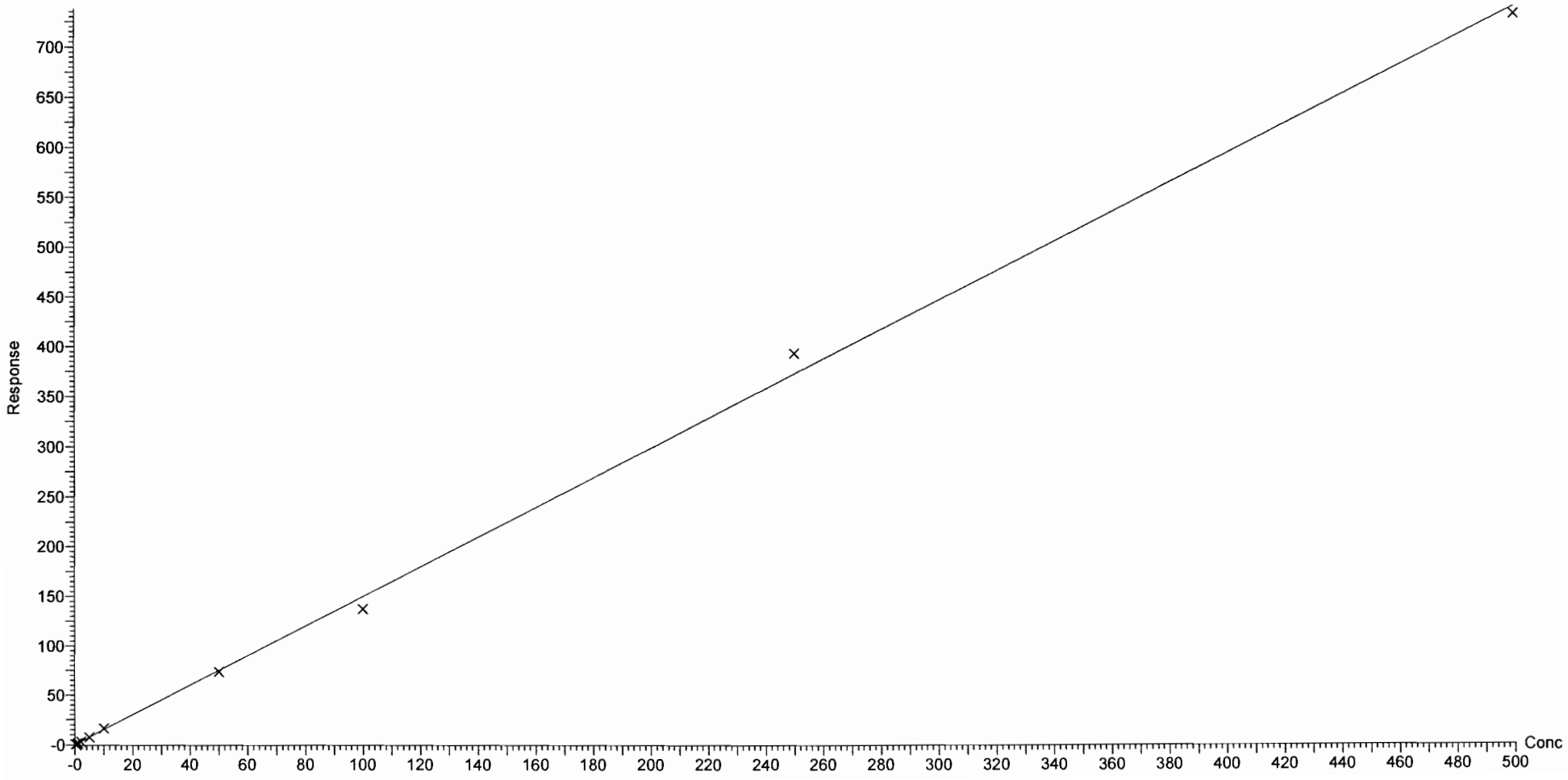
Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.999279
Calibration curve: -2.20422e-005 * x^2 + 1.43627 * x + 0.217333
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

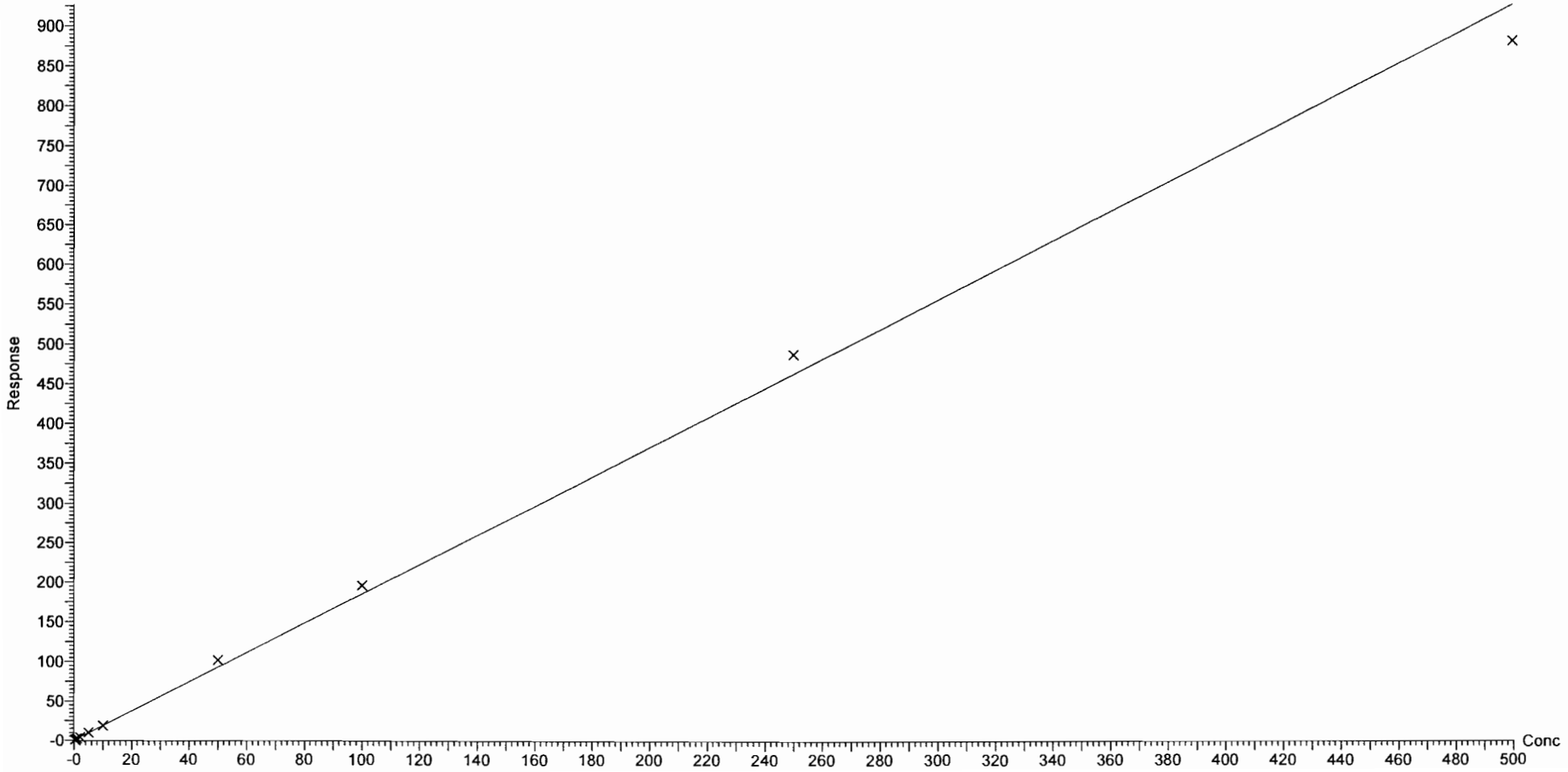
Compound name: PFHxA
Coefficient of Determination: R^2 = 0.998242
Calibration curve: -5.39212e-005 * x^2 + 1.50215 * x + 0.0700628
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: PFPeS
Correlation coefficient: r = 0.998505, r^2 = 0.997013
Calibration curve: 1.85181 * x + 0.25543
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

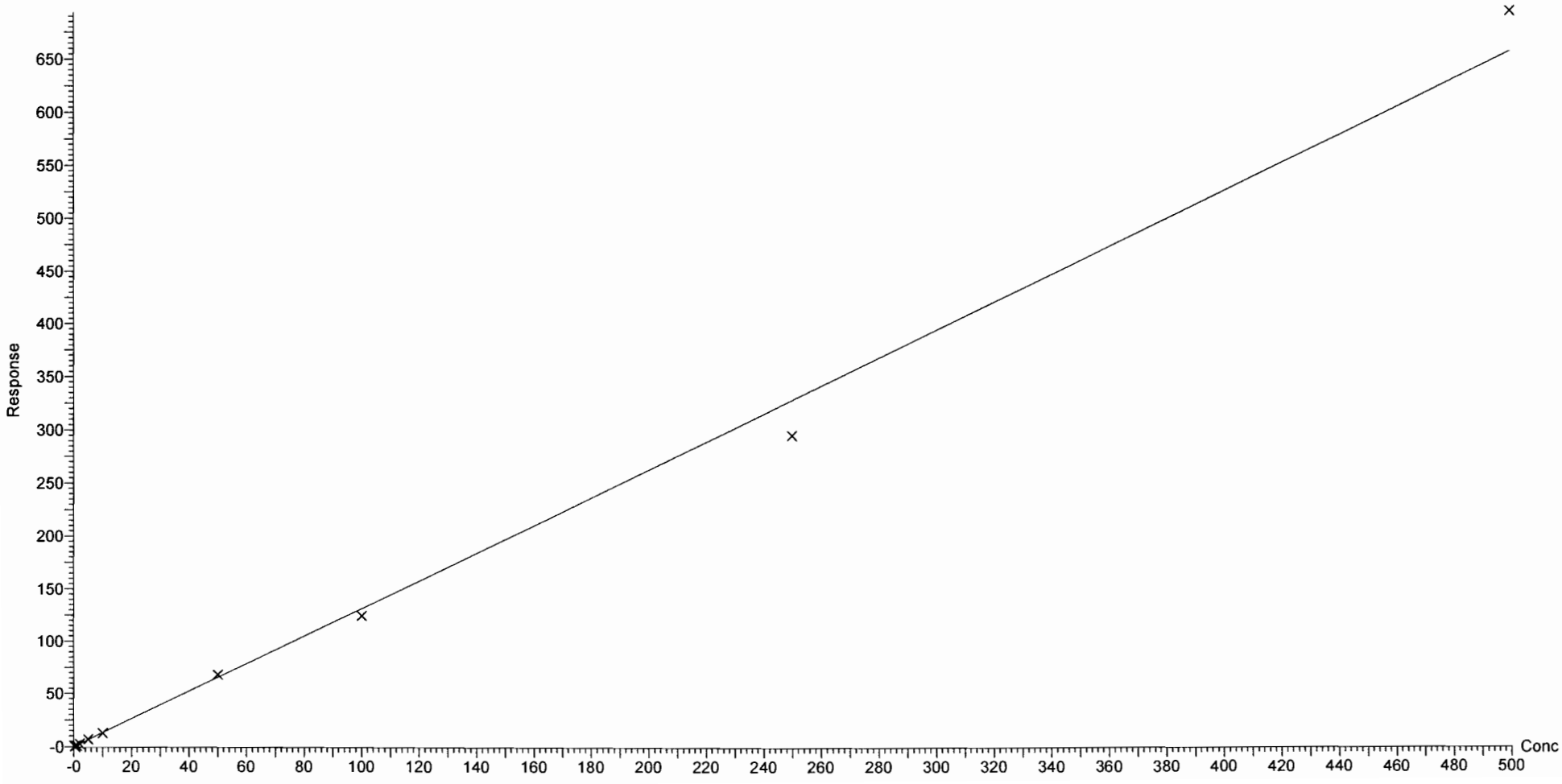


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

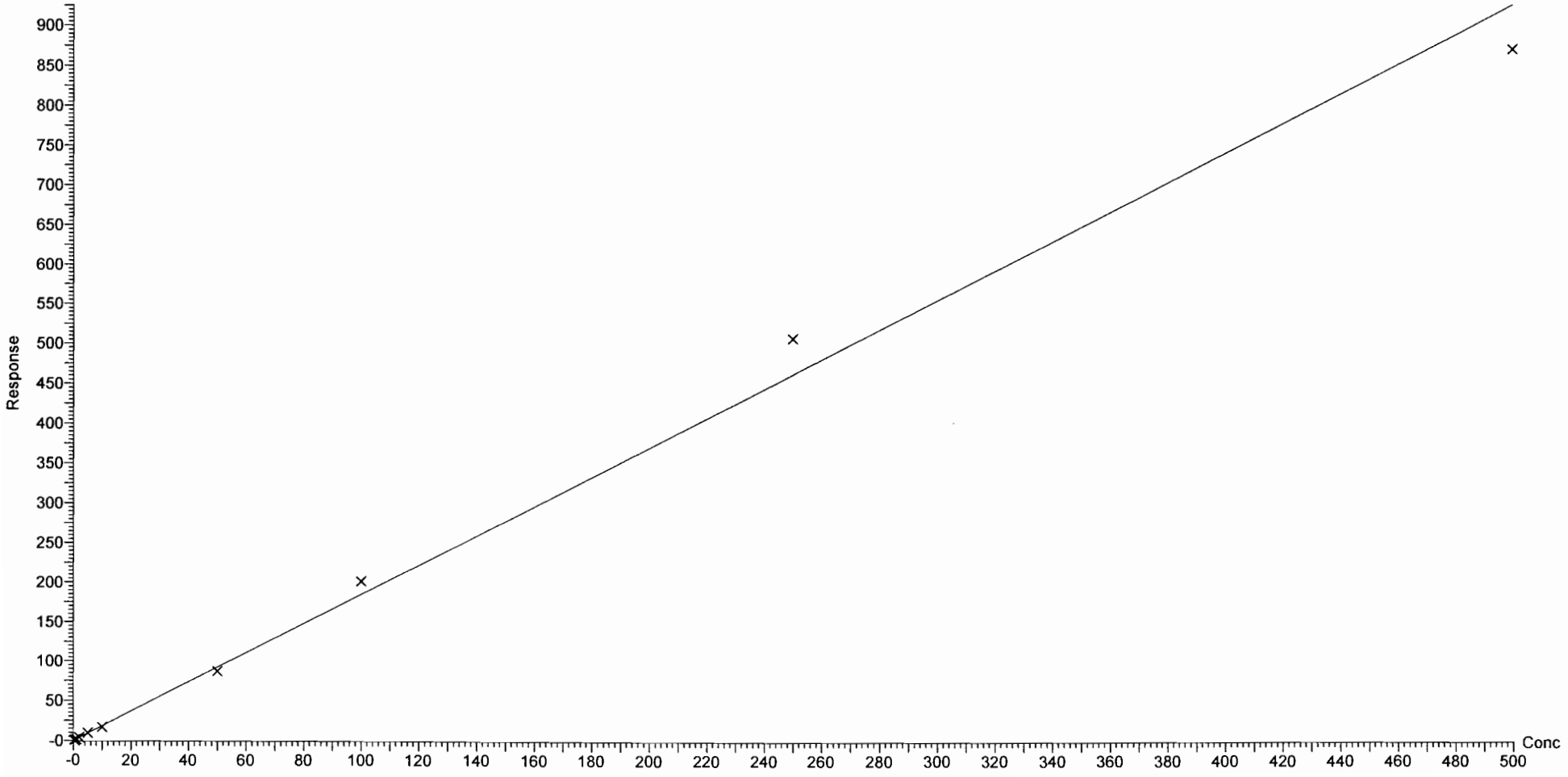
Compound name: PFHpA
Correlation coefficient: r = 0.997543, r^2 = 0.995091
Calibration curve: 1.31251 * x + -0.0550252
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

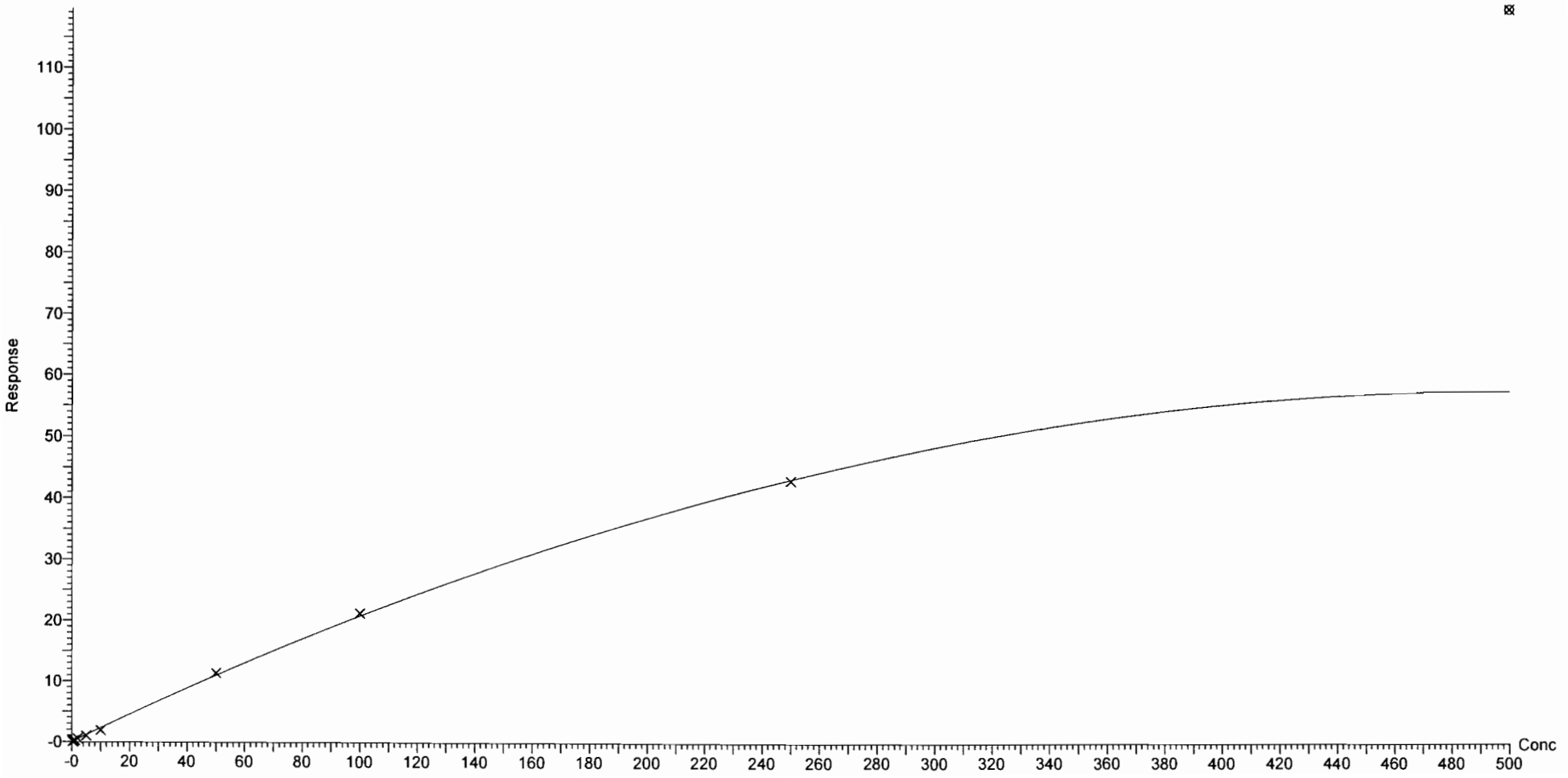
Compound name: L-PFHxS
Correlation coefficient: r = 0.997144, r^2 = 0.994296
Calibration curve: 1.85056 * x + -0.0945425
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.997830
Calibration curve: -0.000231598 * x^2 + 0.230822 * x + -0.0110859
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

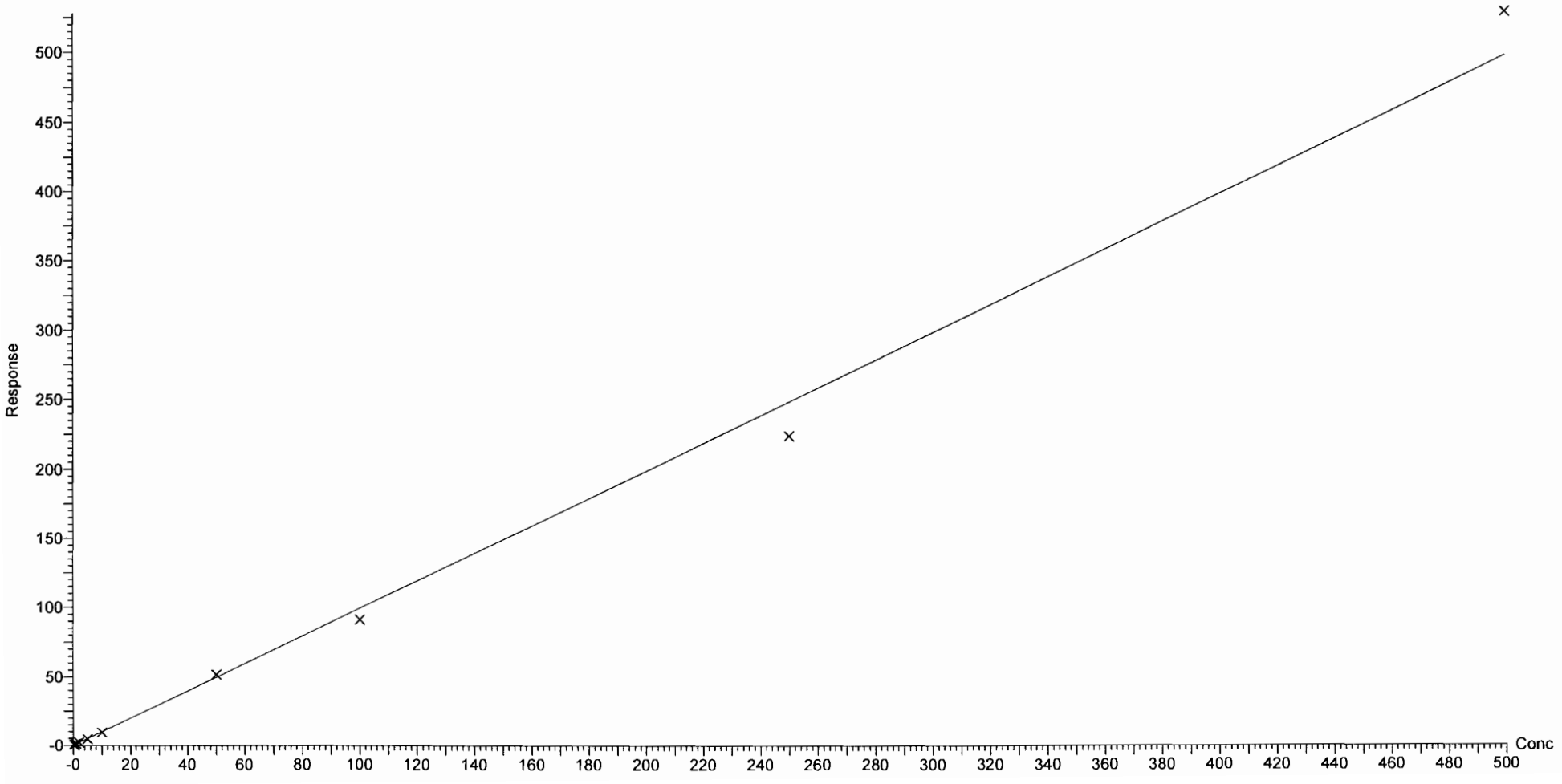


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

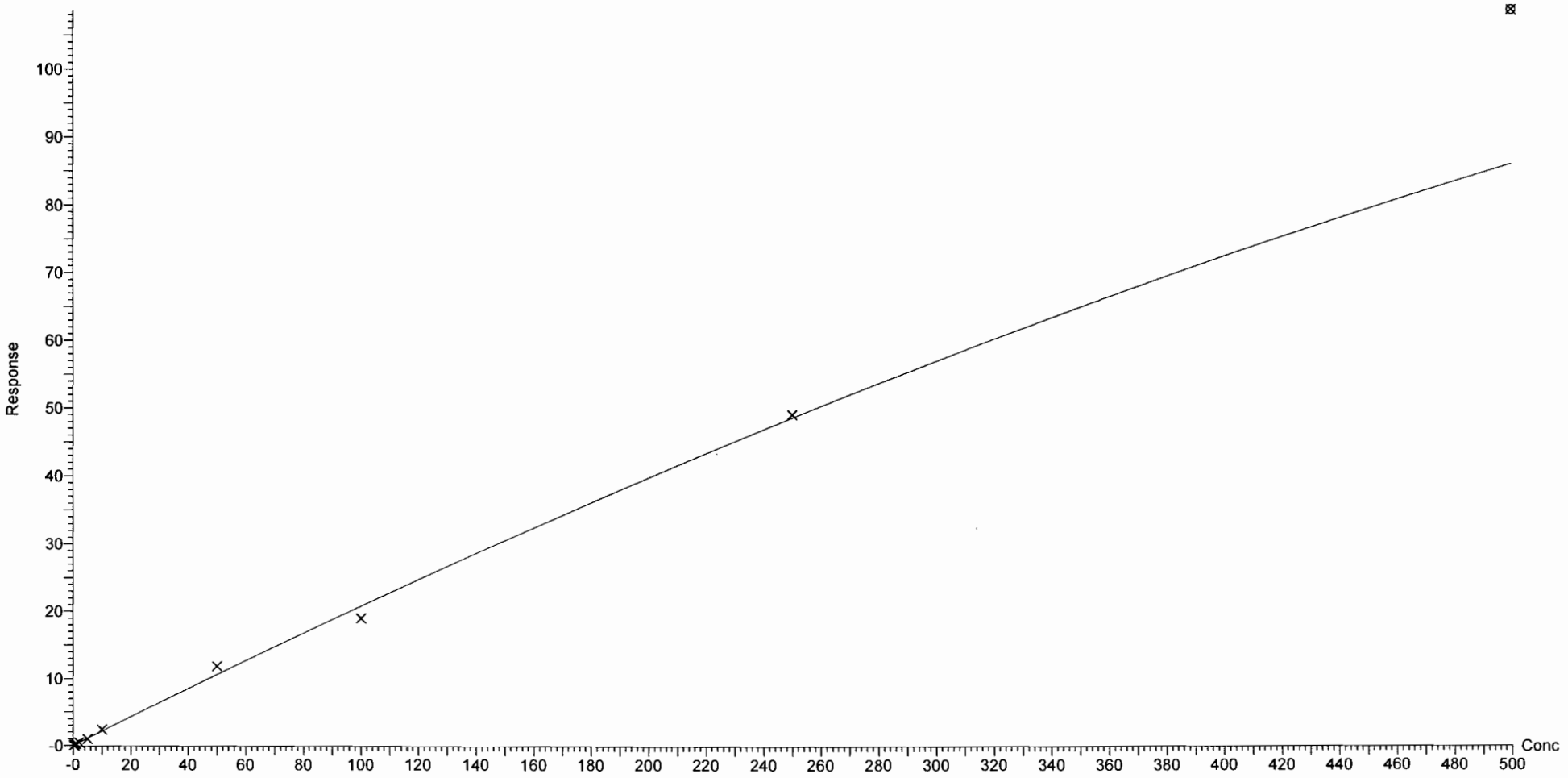
Compound name: L-PFOA
Correlation coefficient: r = 0.997140, r^2 = 0.994289
Calibration curve: 0.993473 * x + 0.00510416
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.995598
Calibration curve: -9.08145e-005 * x^2 + 0.217204 * x + 0.000713234
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

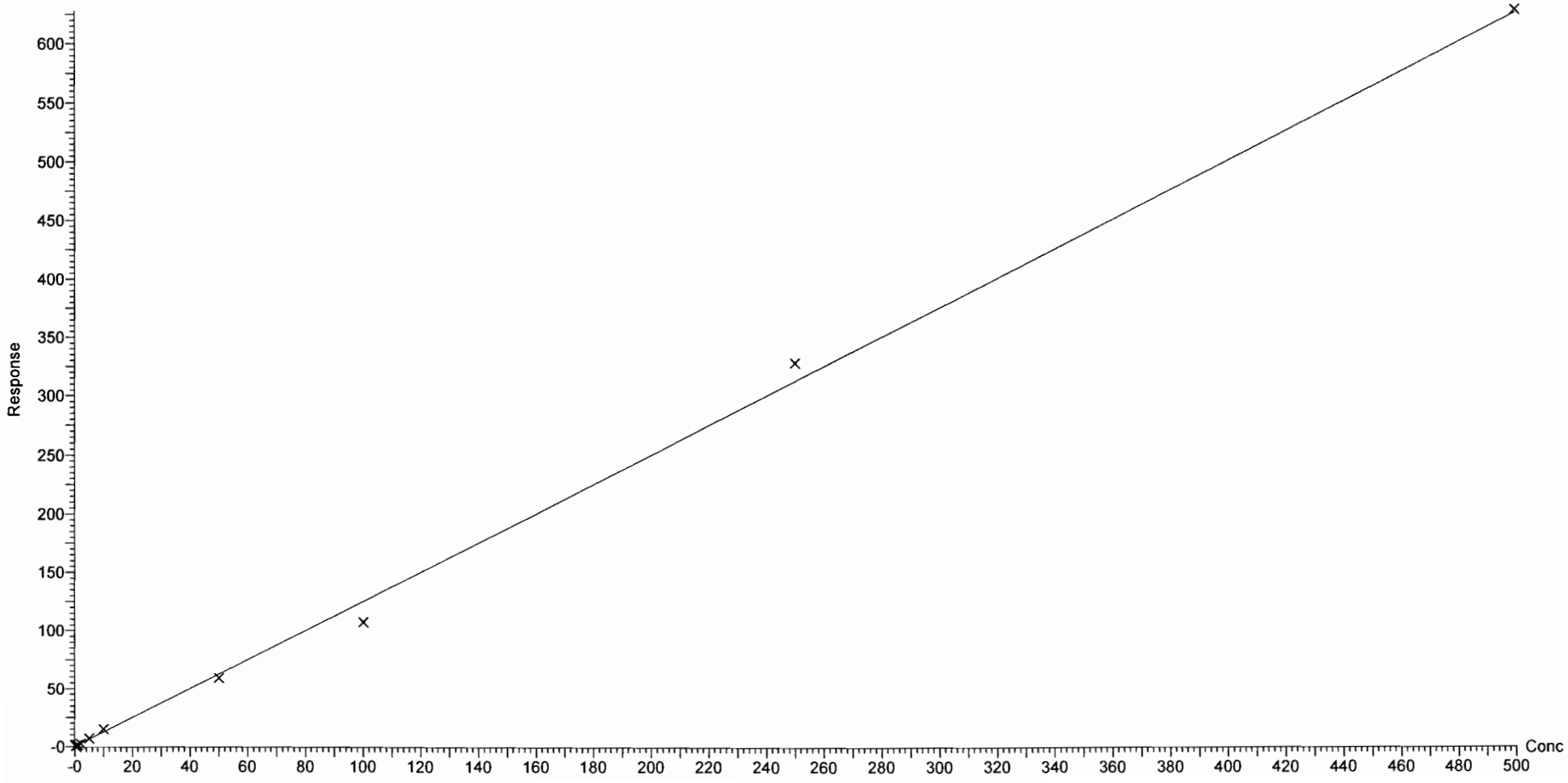


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: PFNA
Correlation coefficient: r = 0.998261, r^2 = 0.996525
Calibration curve: 1.25087 * x + 0.0672606
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

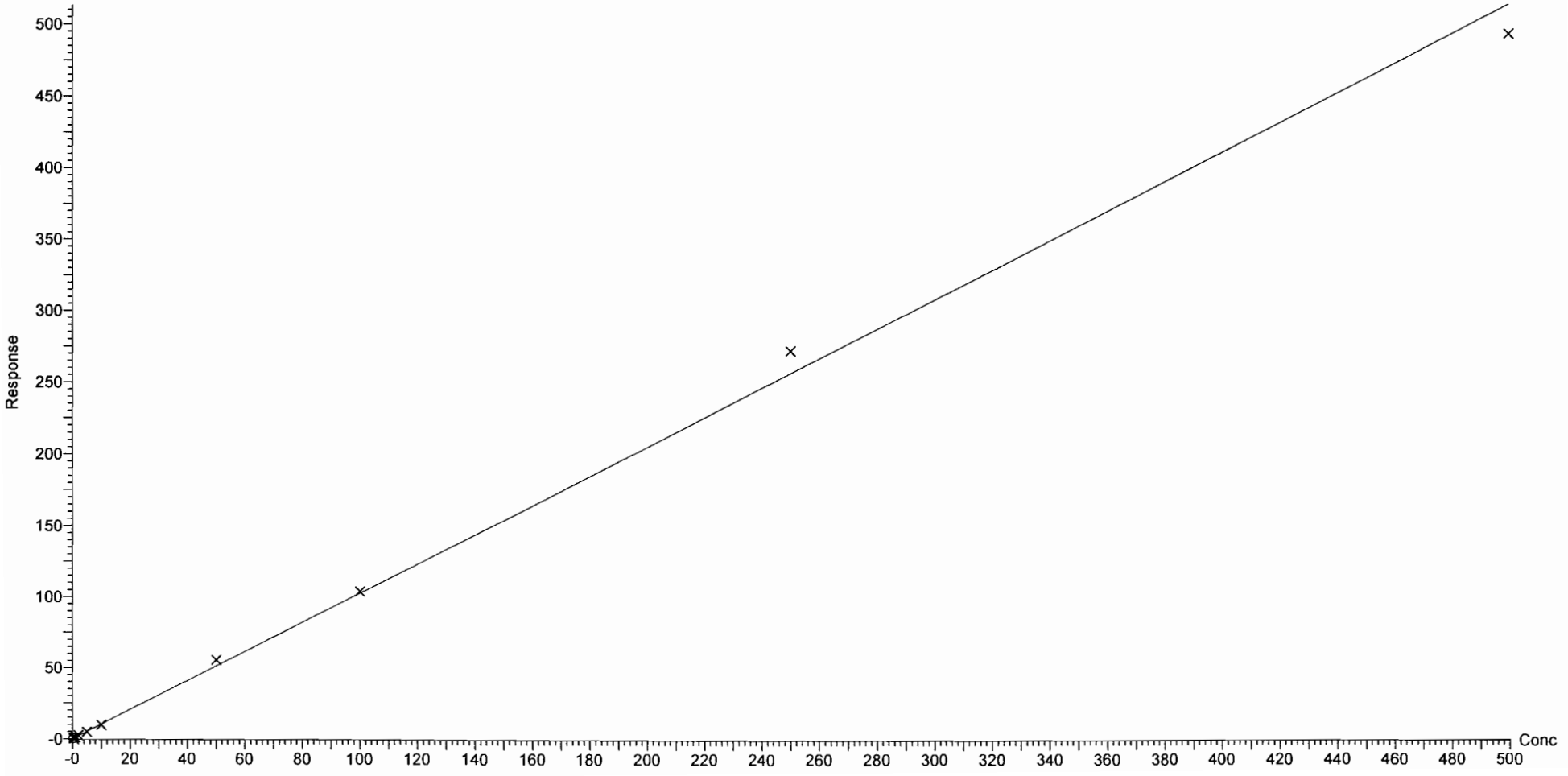


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: PFOSA
Correlation coefficient: r = 0.998719, r^2 = 0.997440
Calibration curve: 1.02634 * x + -0.0680226
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



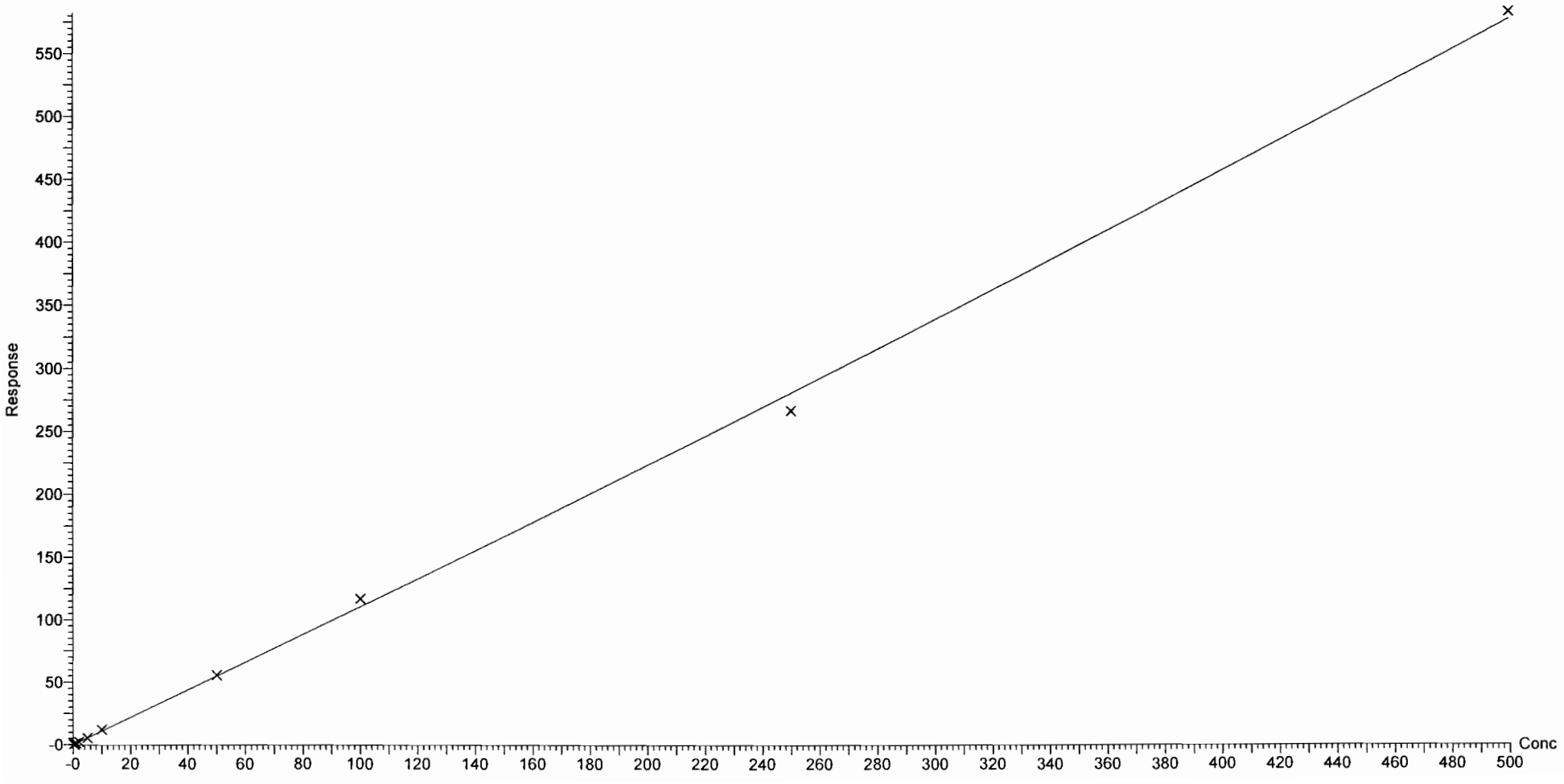
Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 15:27:24 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:29:01 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022218.mdb 23 Feb 2018 08:58:55
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.998732
Calibration curve: 0.000119831 * x^2 + 1.09302 * x + -0.0626814
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

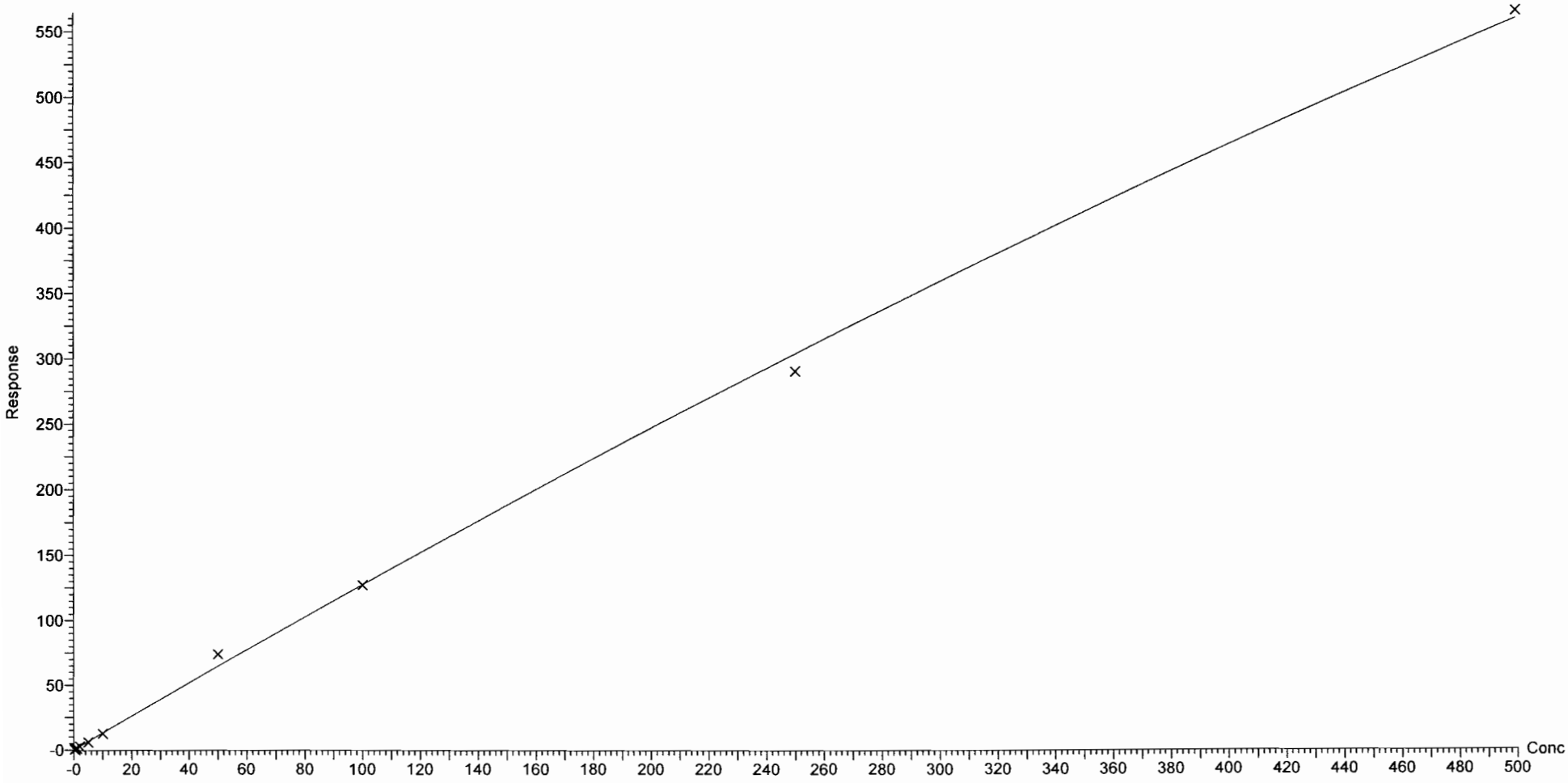


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

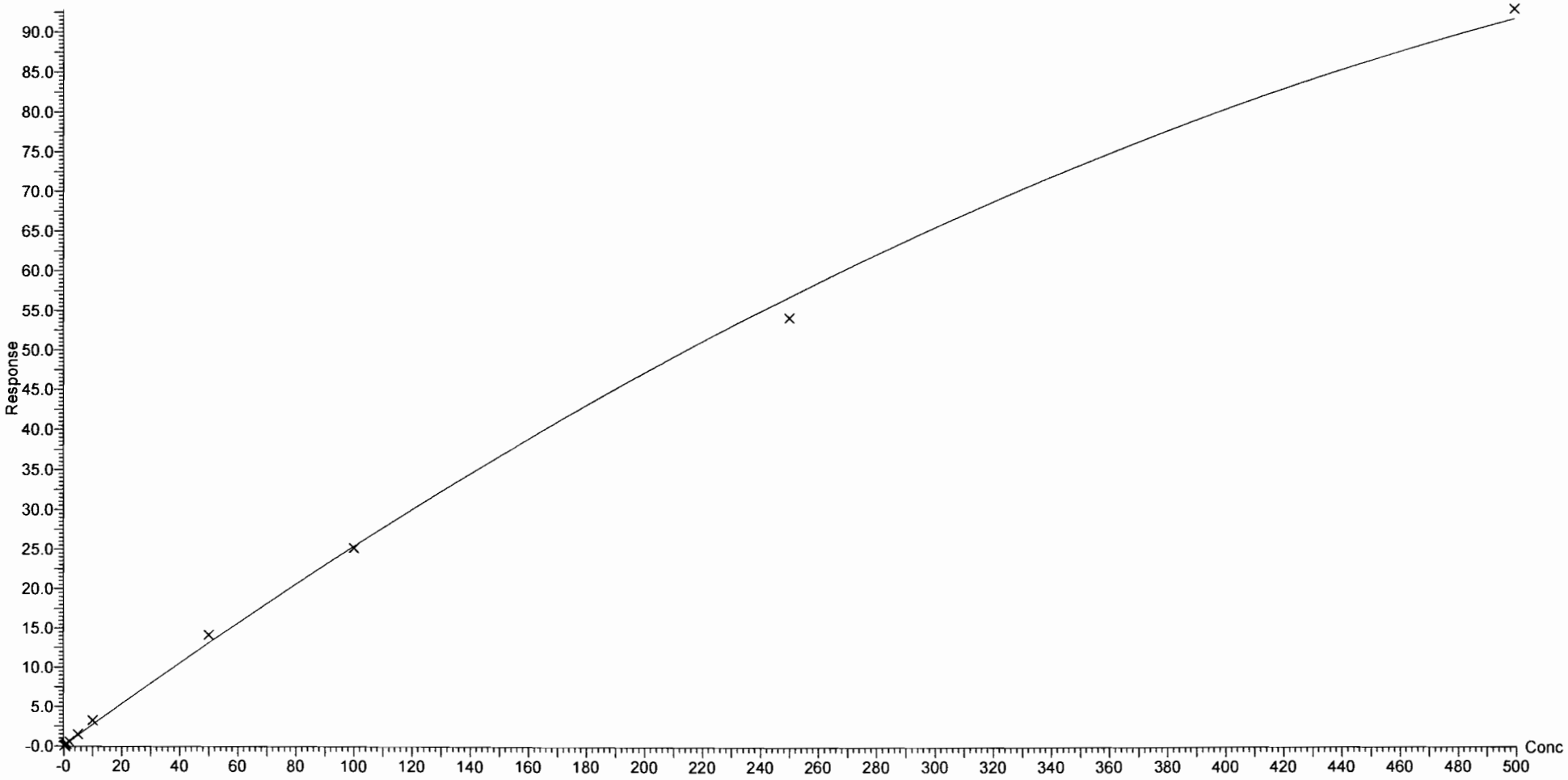
Compound name: PFDA
Coefficient of Determination: R^2 = 0.997854
Calibration curve: -0.00039429 * x^2 + 1.31405 * x + -0.0179236
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

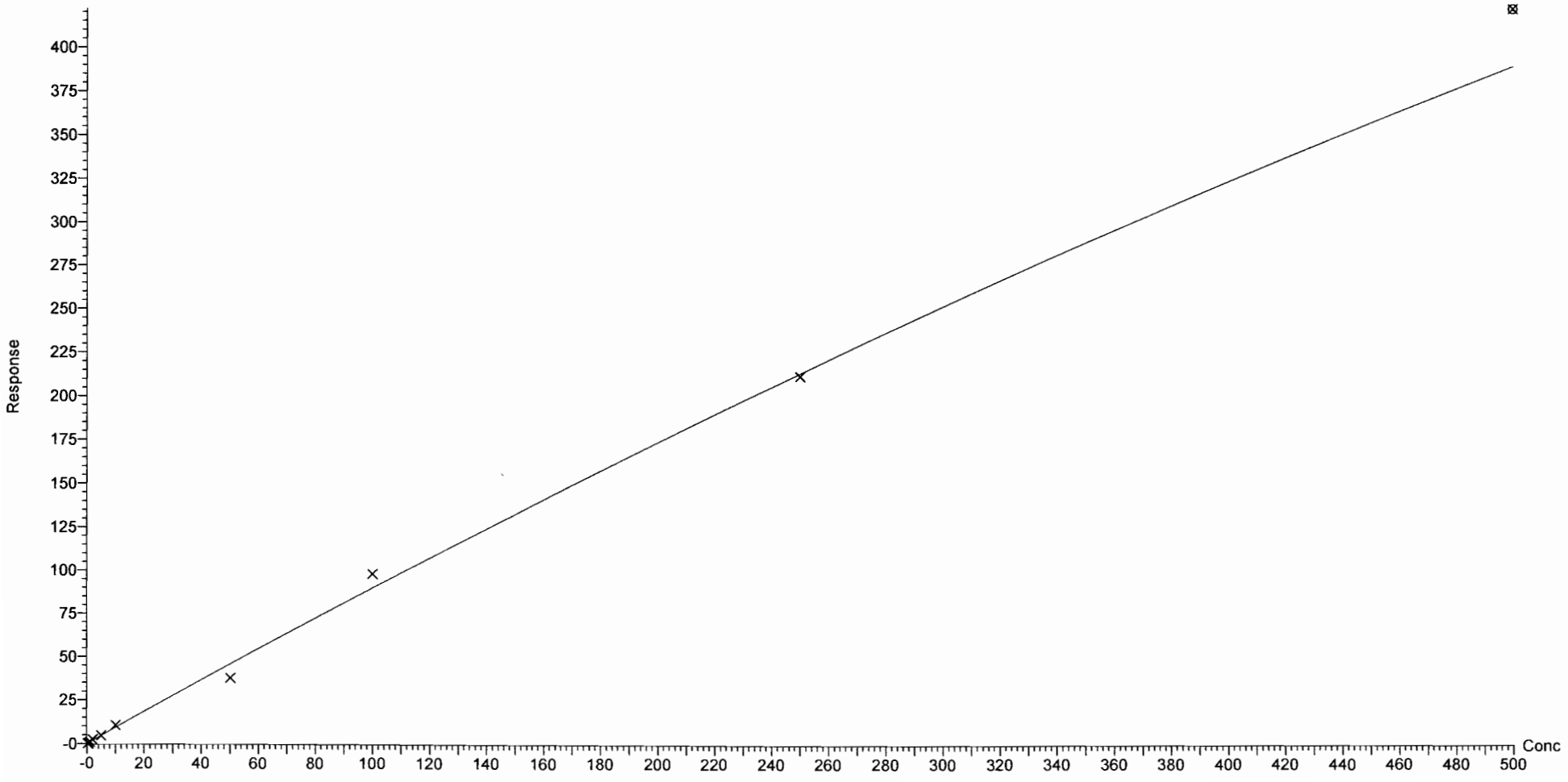
Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.997874
Calibration curve: -0.000176216 * x^2 + 0.271257 * x + 0.00374562
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

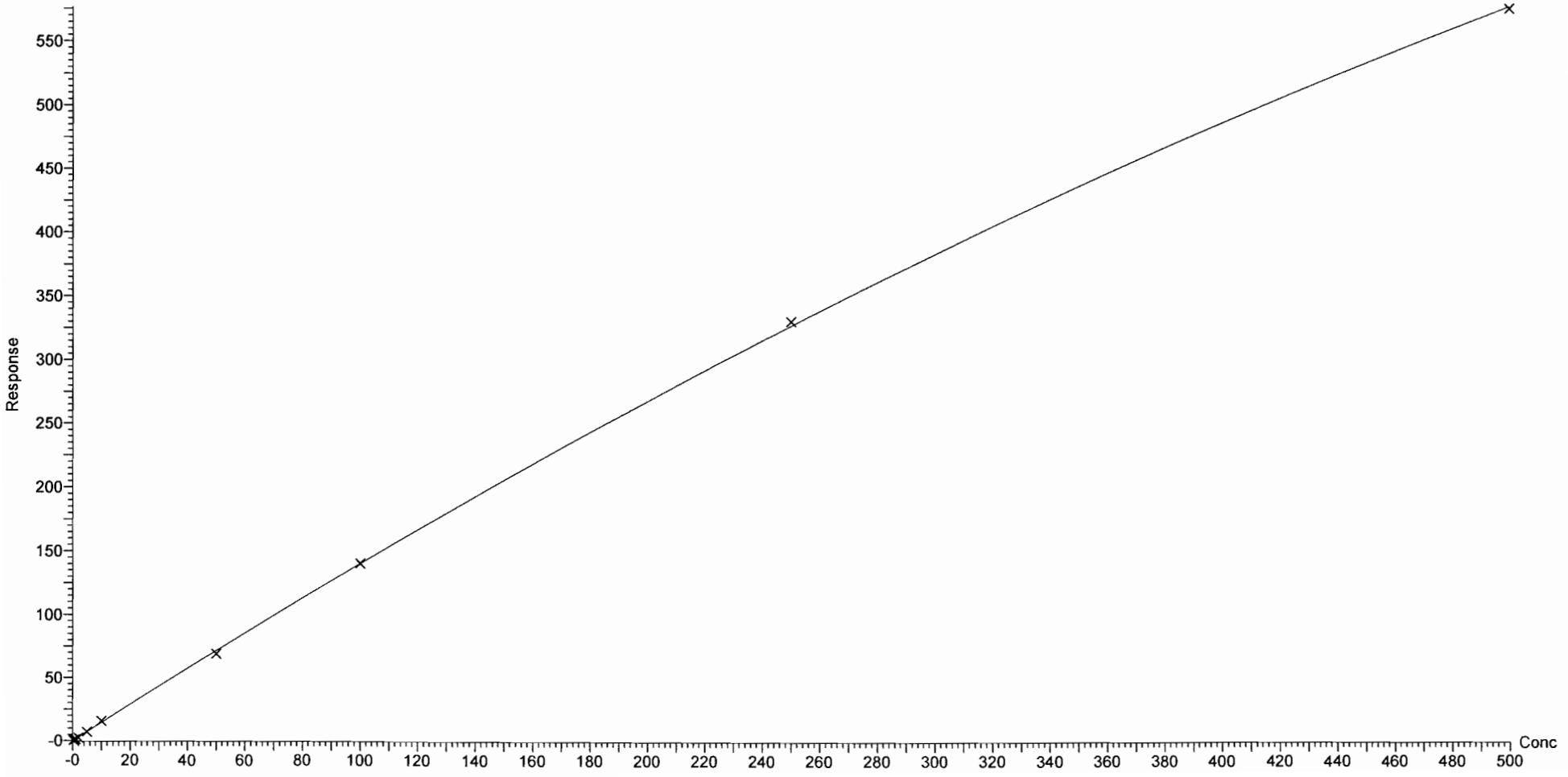
Compound name: PFNS
Coefficient of Determination: R^2 = 0.992825
Calibration curve: -0.000305546 * x^2 + 0.93091 * x + -0.0289481
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

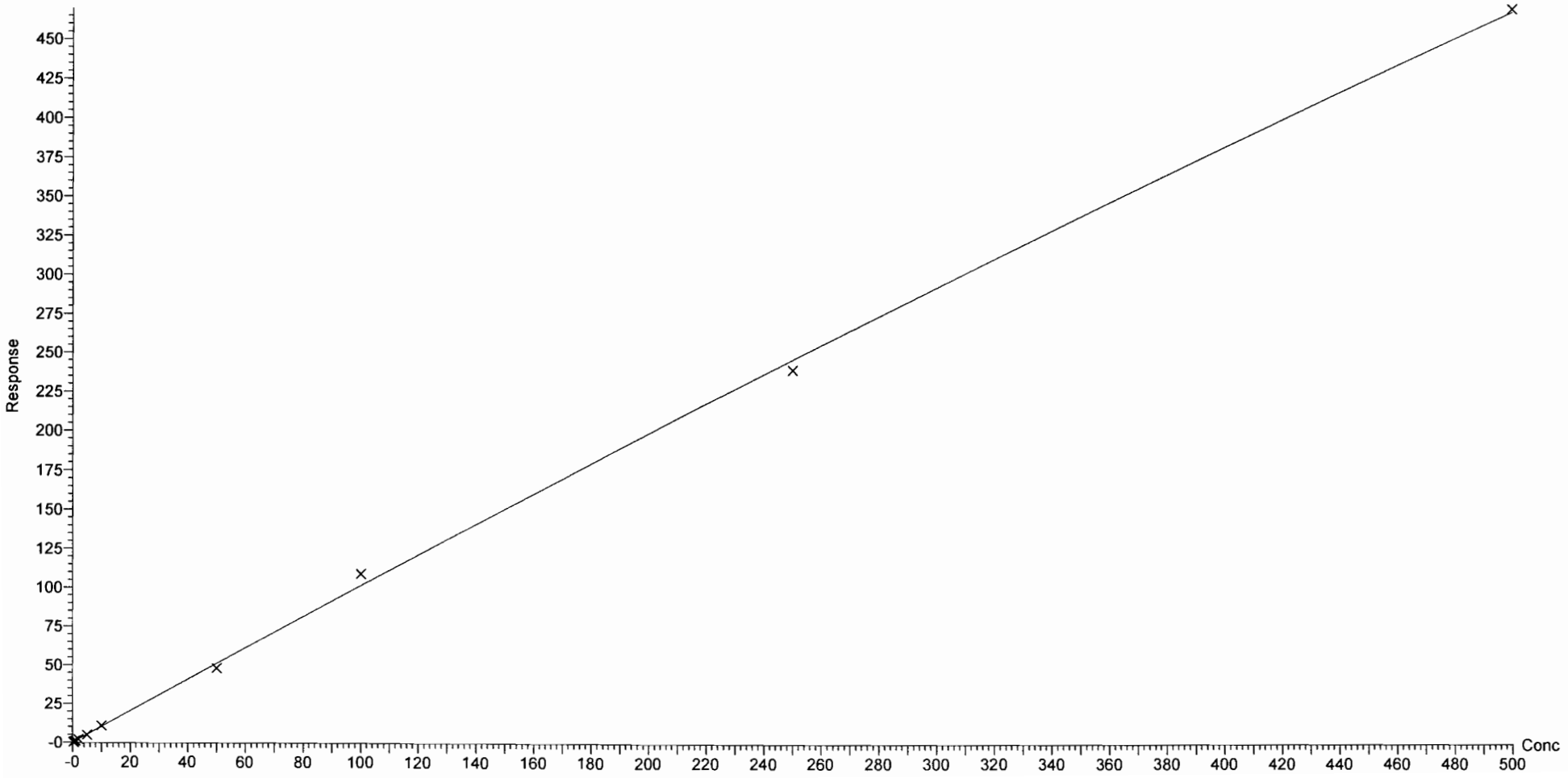
Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.999586
Calibration curve: -0.000628442 * x^2 + 1.4673 * x + -0.113739
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

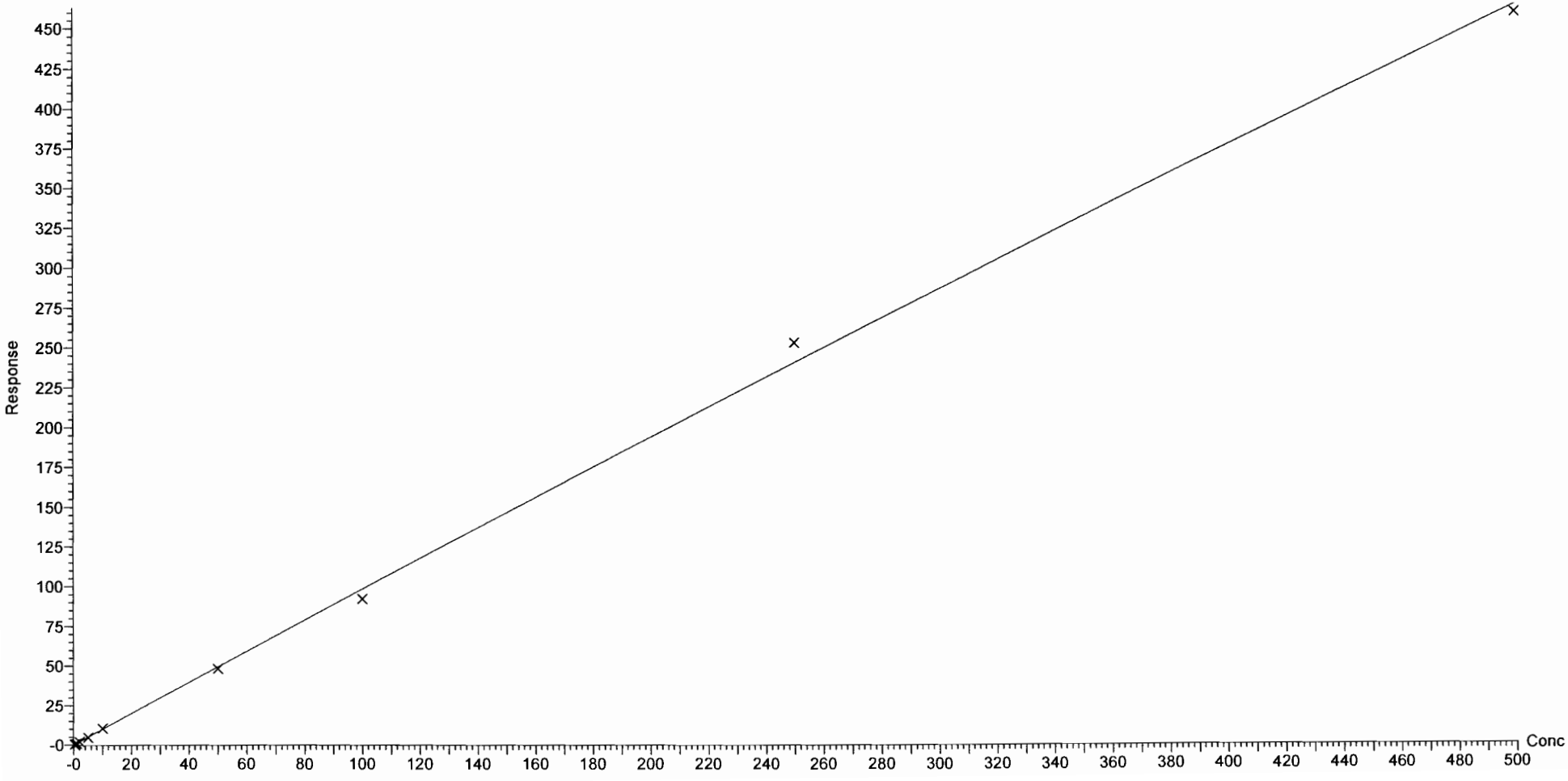
Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.998718
Calibration curve: -0.000199362 * x^2 + 1.03486 * x + -0.0695315
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

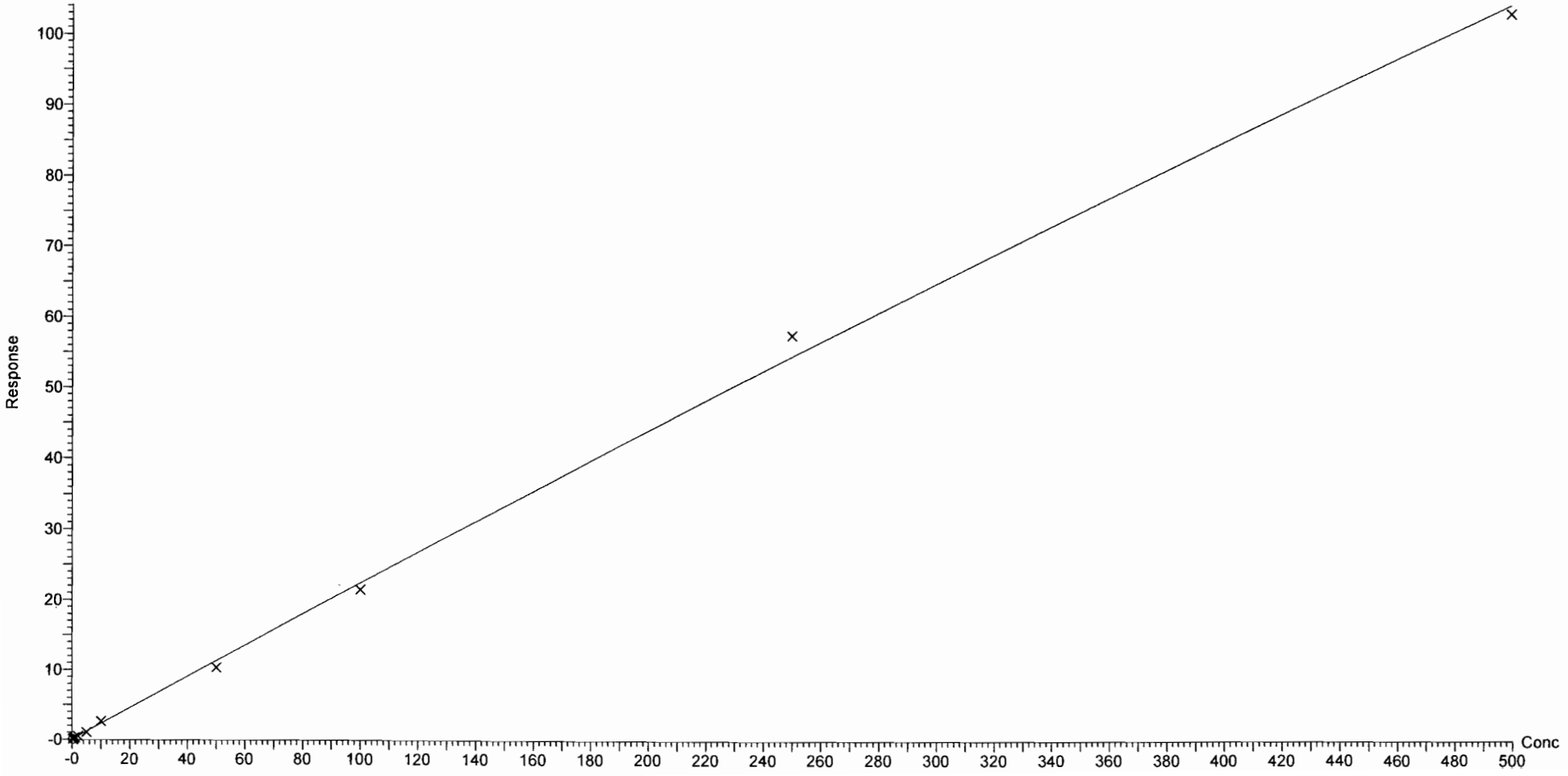
Compound name: PFUdA
Coefficient of Determination: R^2 = 0.998490
Calibration curve: -0.000142688 * x^2 + 0.997726 * x + -0.0345748
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

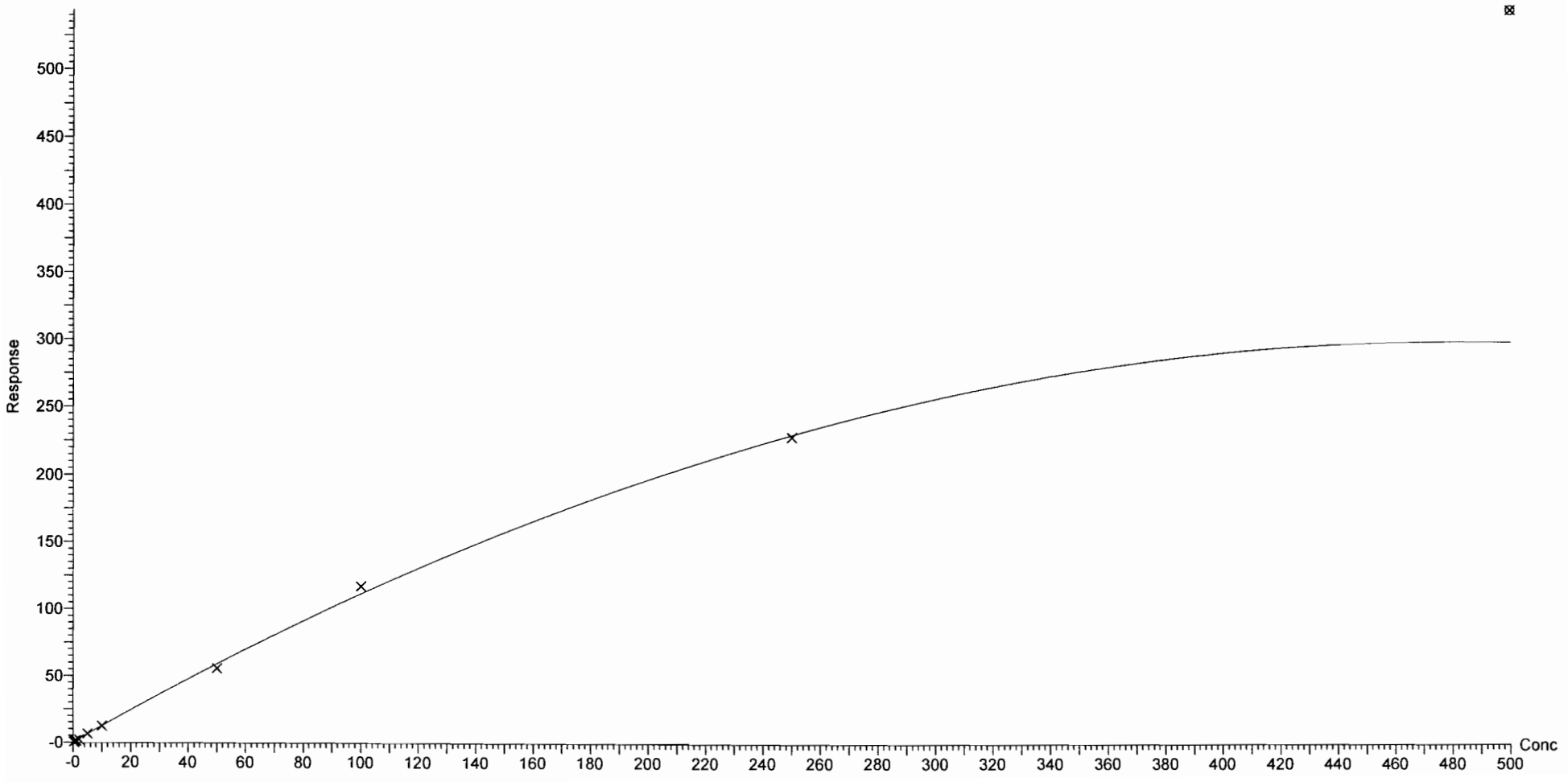
Compound name: PFDS
Coefficient of Determination: R^2 = 0.997963
Calibration curve: -3.99958e-005 * x^2 + 0.228034 * x + 0.0324945
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.998033
Calibration curve: -0.0012913 * x^2 + 1.24219 * x + 0.0636017
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

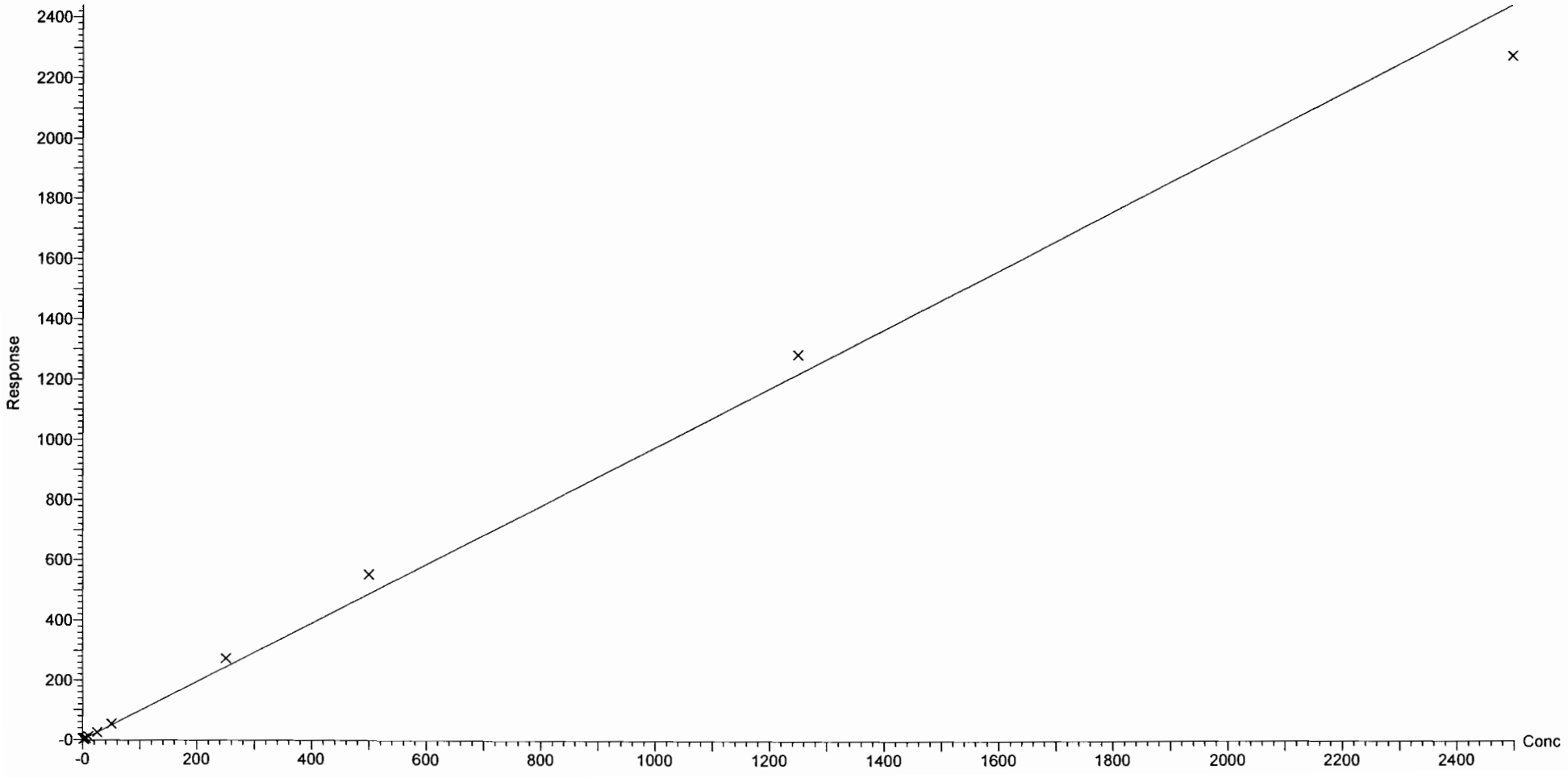


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

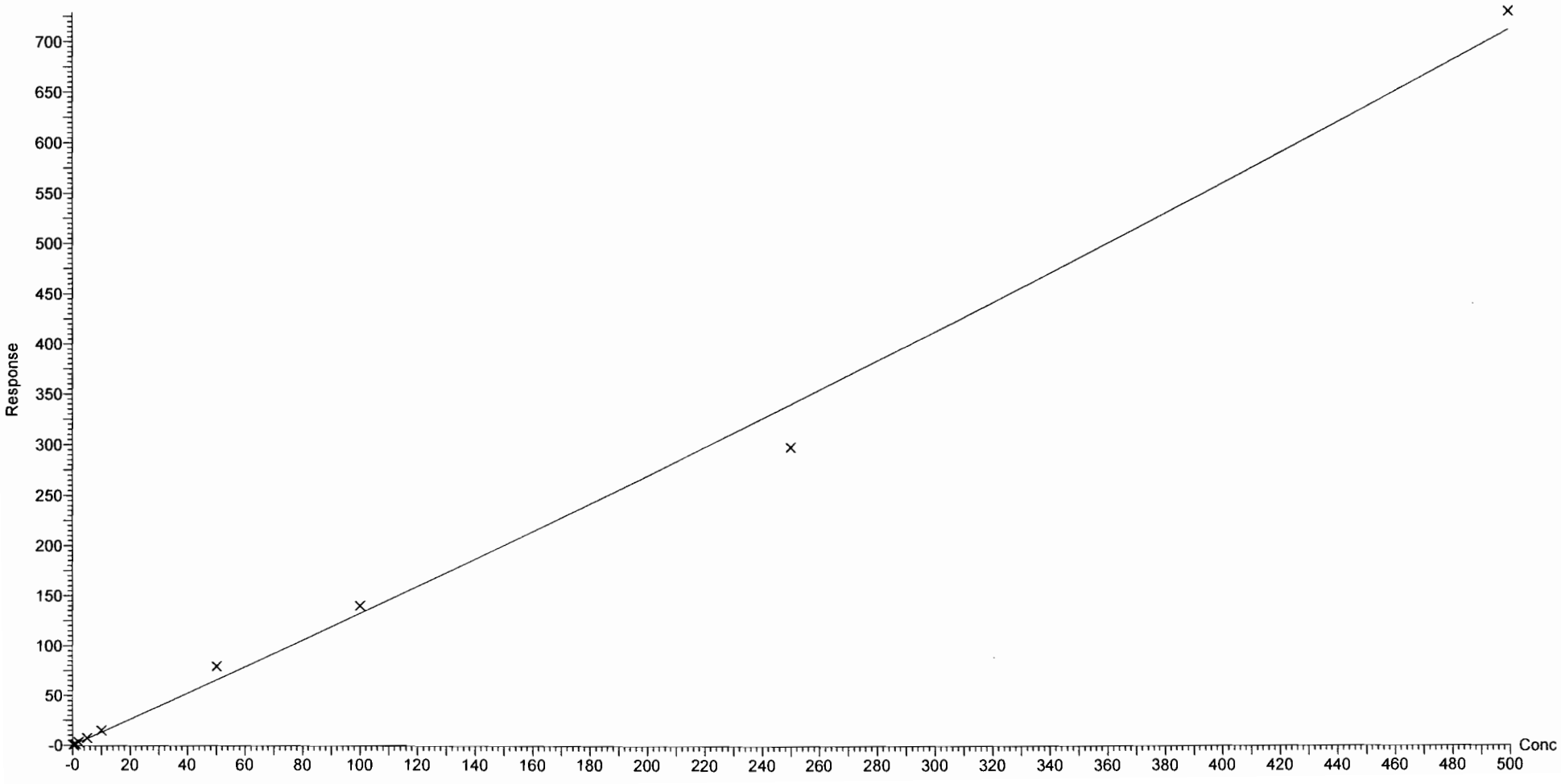
Compound name: N-MeFOSA
Correlation coefficient: r = 0.996917, r^2 = 0.993844
Calibration curve: 0.975518 * x + 0.567329
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

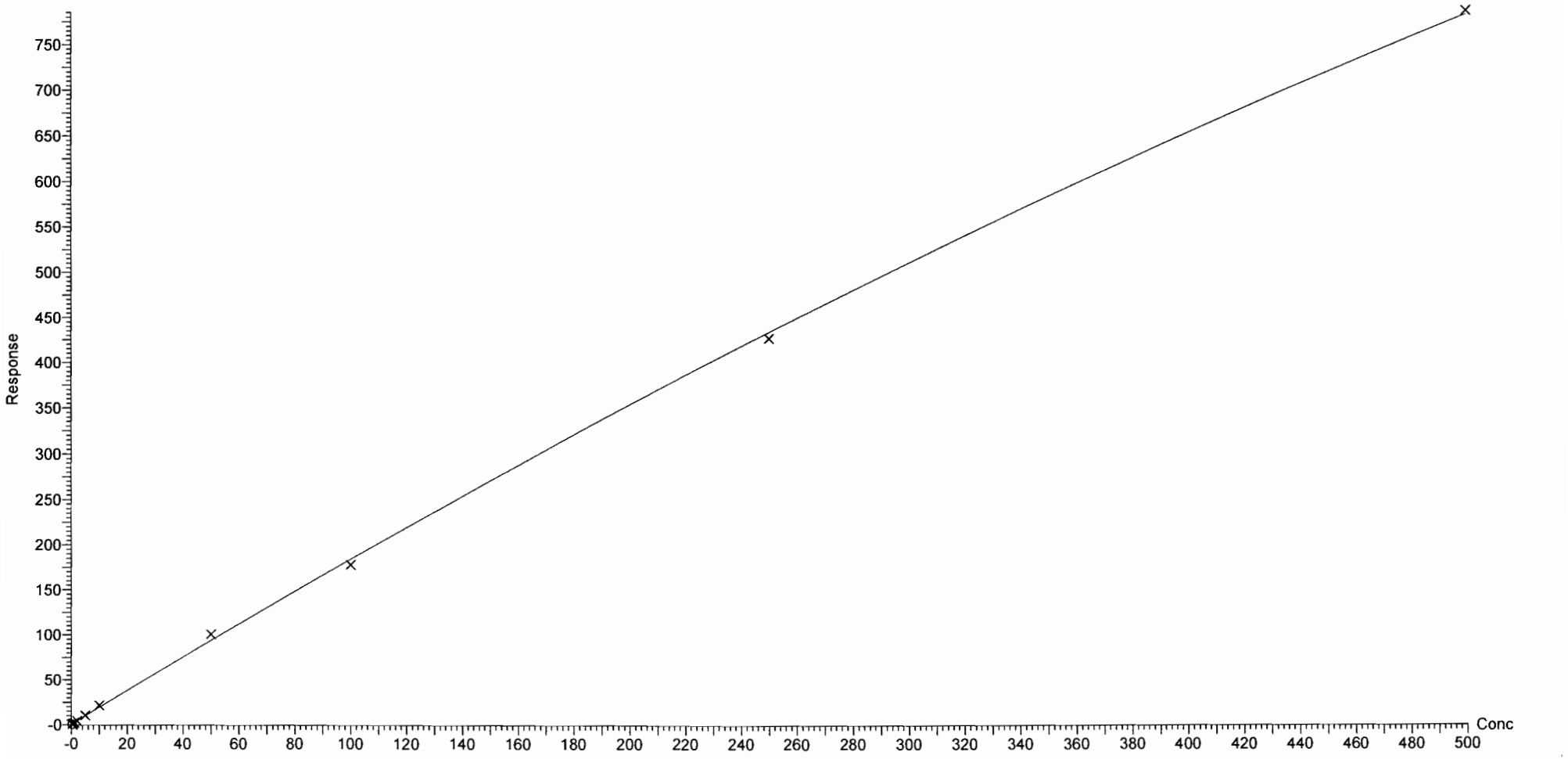
Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.992640
Calibration curve: 0.000243795 * x^2 + 1.29928 * x + 0.193786
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

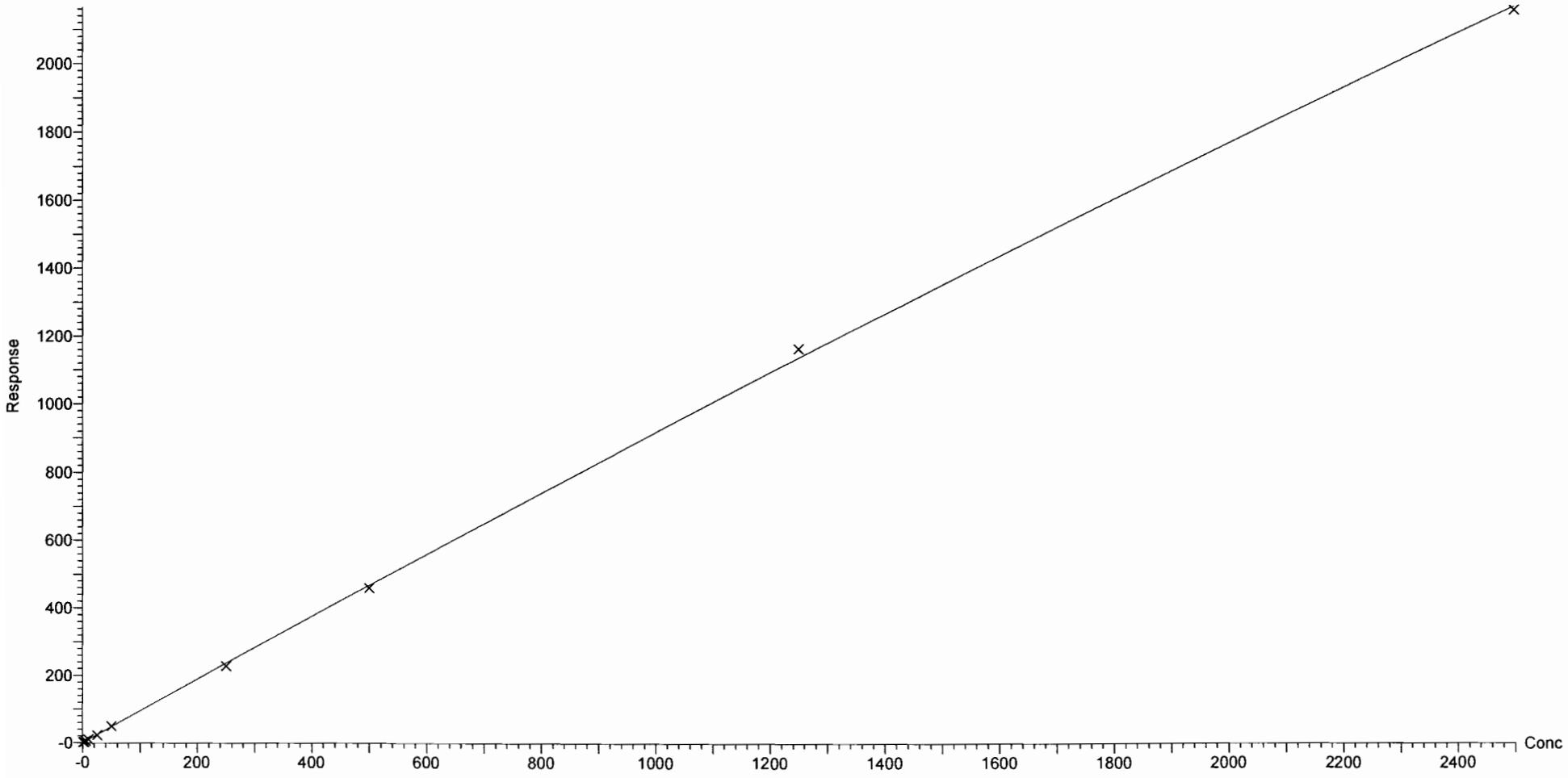
Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.999184
Calibration curve: -0.000685159 * x^2 + 1.90514 * x + 0.394291
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999674
Calibration curve: -3.4639e-005 * x^2 + 0.952598 * x + 0.0623023
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

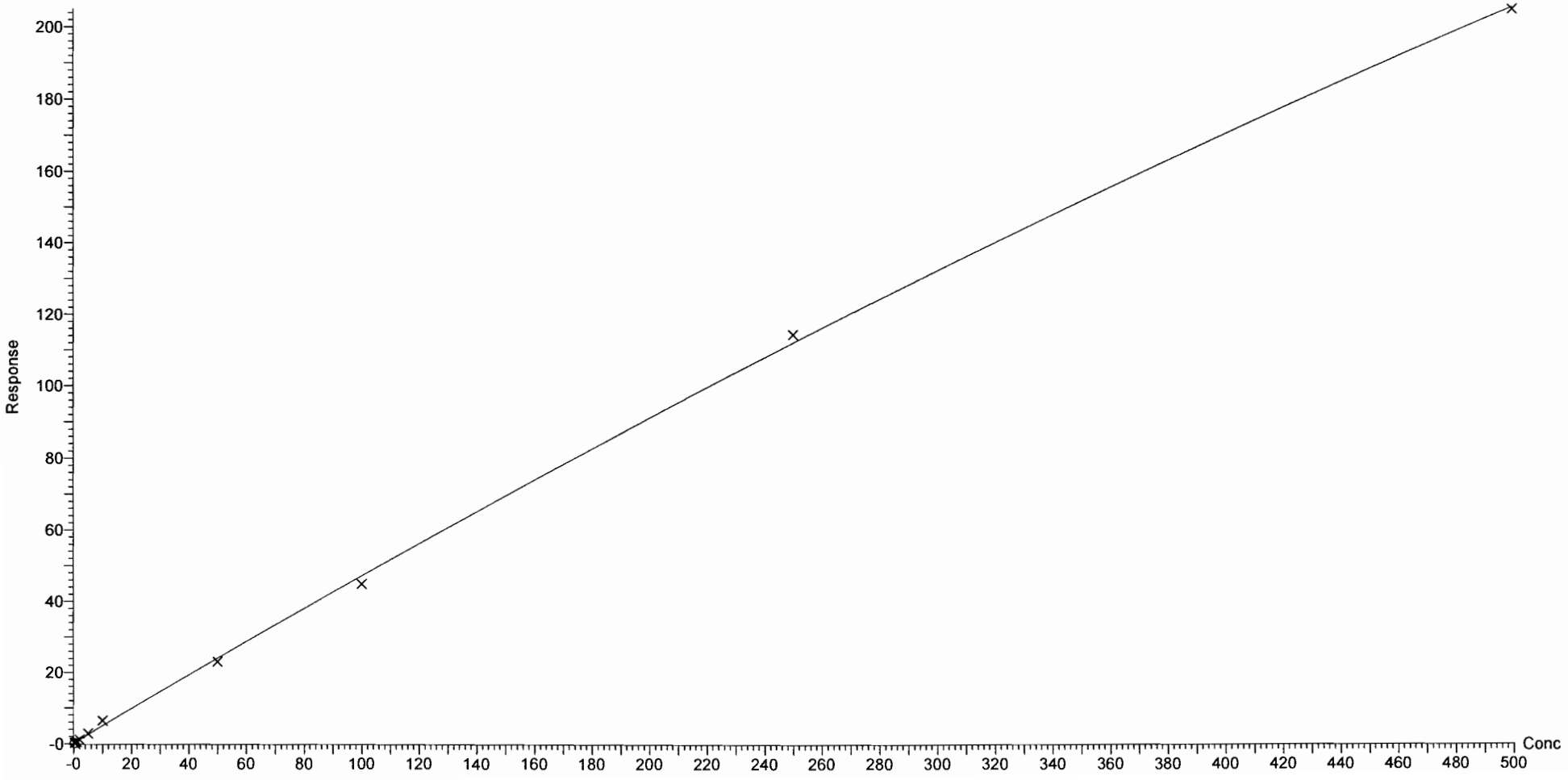


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

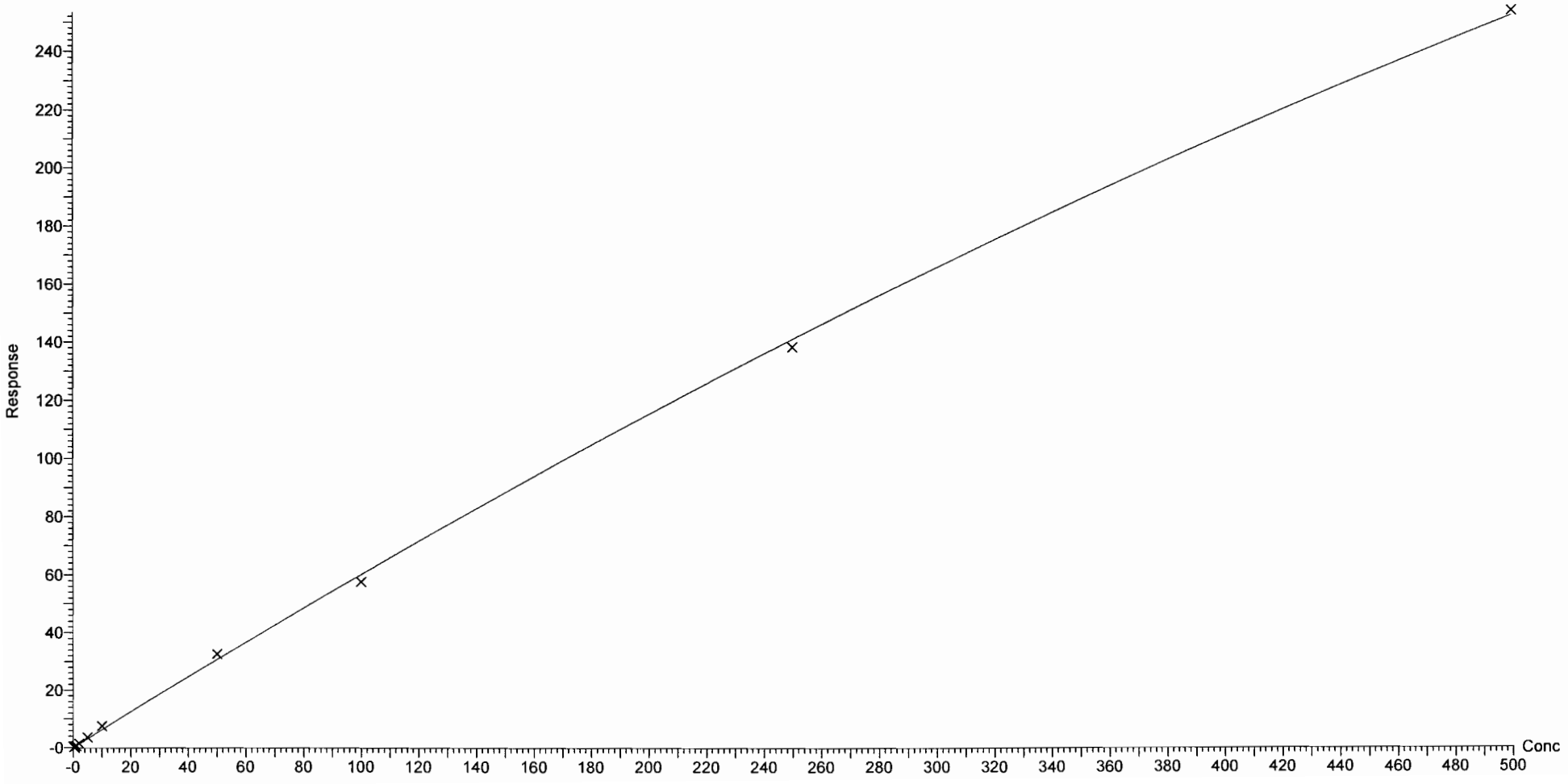
Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.998113
Calibration curve: -0.000151164 * x^2 + 0.485277 * x + 0.163056
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: PFODA
Coefficient of Determination: R^2 = 0.998576
Calibration curve: -0.000242134 * x^2 + 0.624455 * x + 0.0266043
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

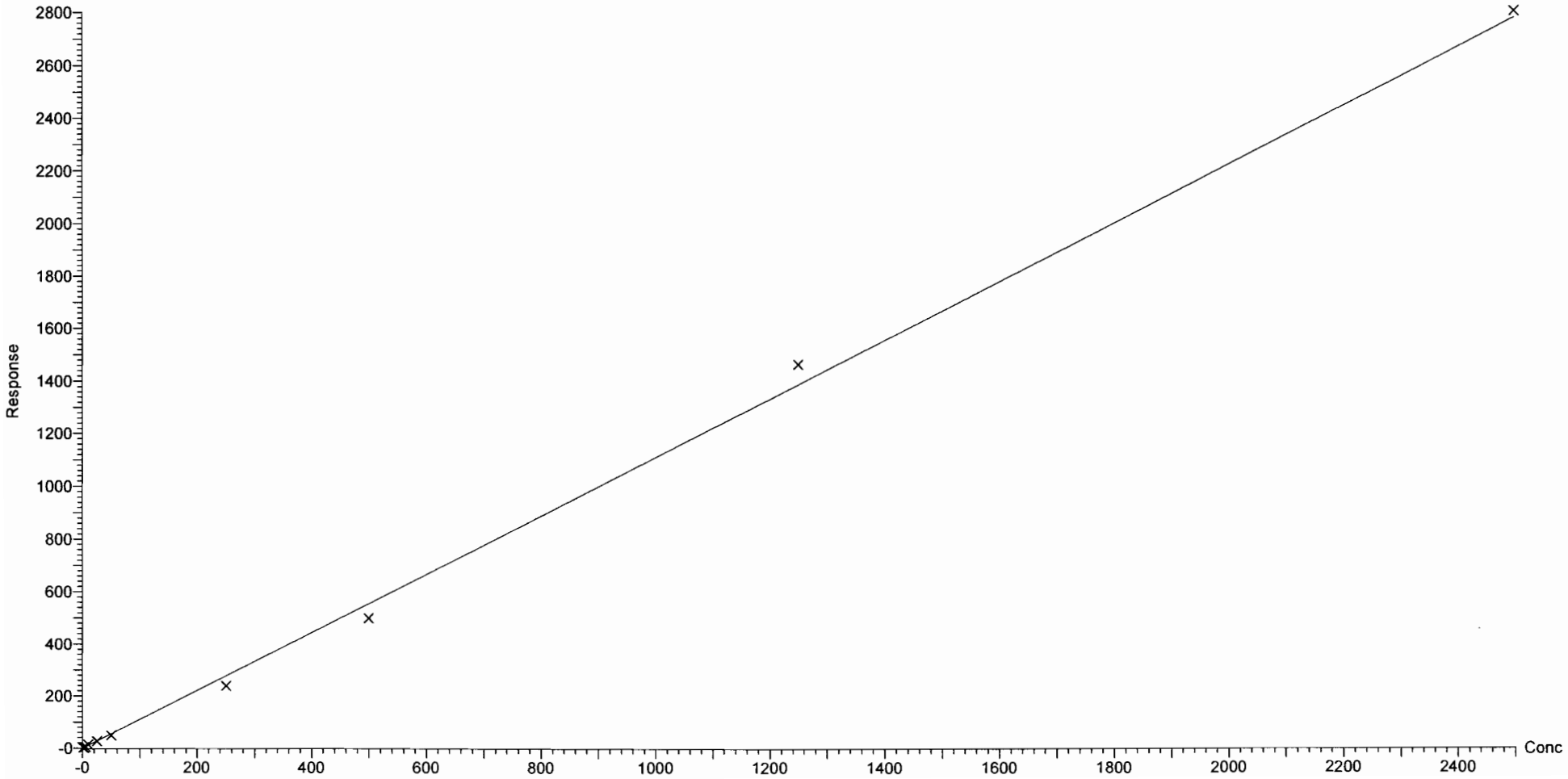


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: N-MeFOSE
Correlation coefficient: r = 0.998304, r^2 = 0.996610
Calibration curve: 1.11097 * x + -0.433627
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

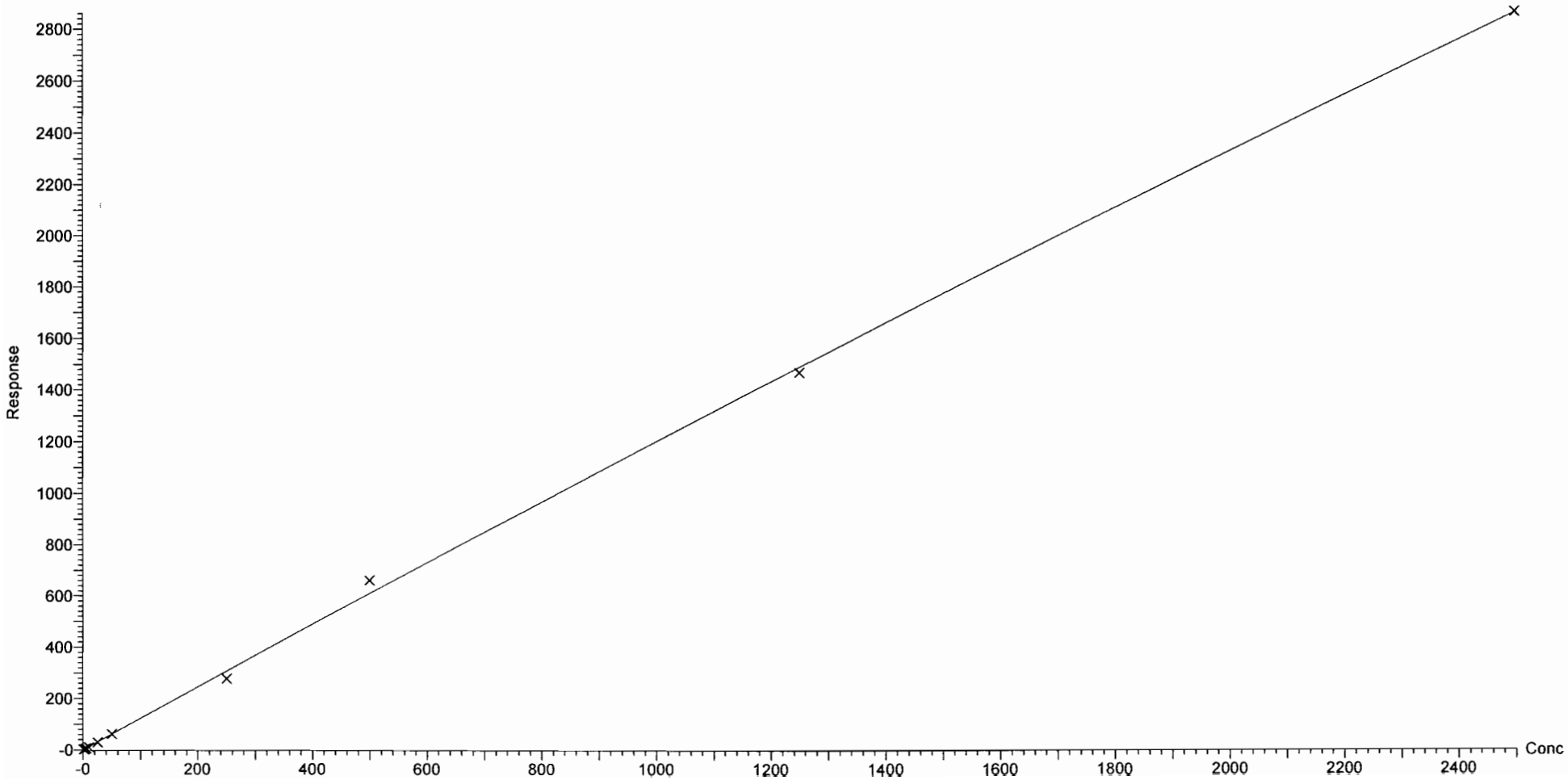


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:00:53 Pacific Standard Time

Compound name: N-EtFOSE
Coefficient of Determination: R^2 = 0.998481
Calibration curve: -3.91622e-005 * x^2 + 1.2409 * x + -0.114301
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



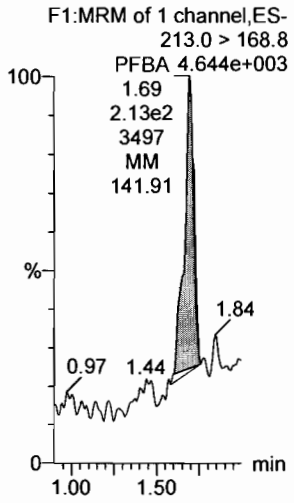
Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

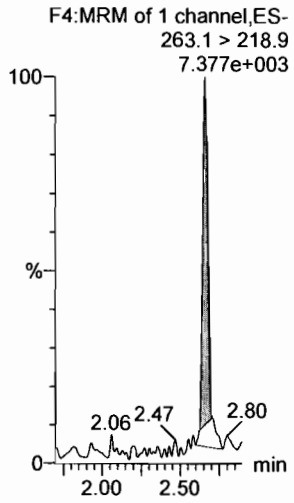
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022218.mdb 23 Feb 2018 08:58:55
Calibration: 24 Feb 2018 14:25:54

Name: 180223M2_2, Date: 23-Feb-2018, Time: 20:47:38, ID: ST180223M2-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

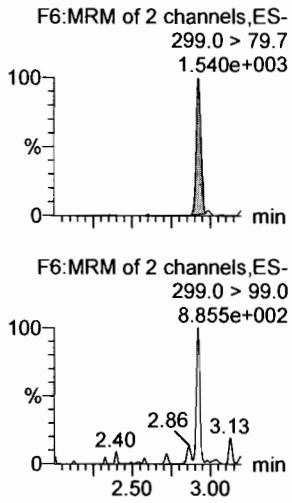
PFBA



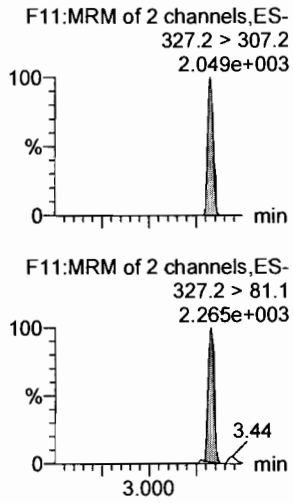
PFPeA



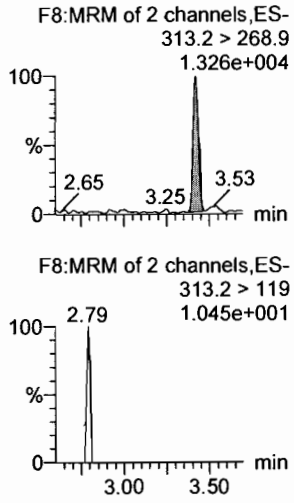
PFBS



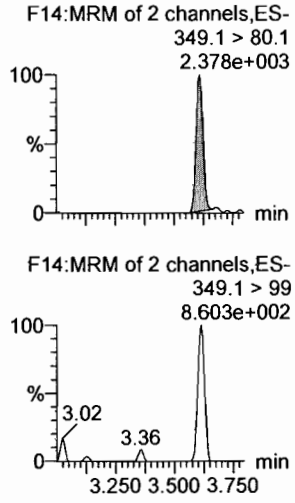
4:2 FTS



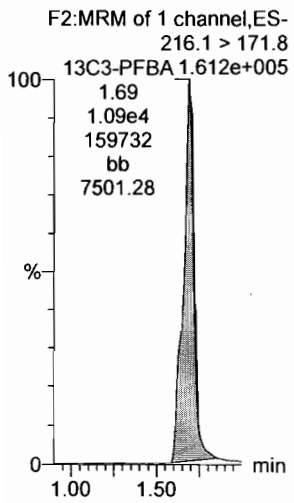
PFHxA



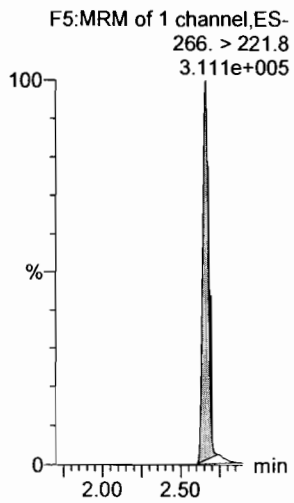
PFPeS



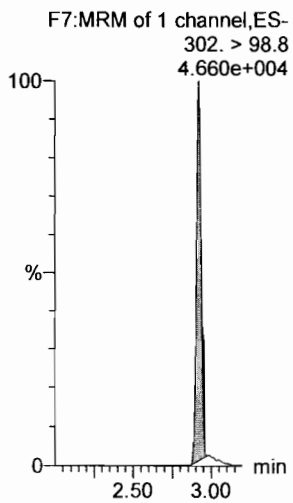
13C3-PFBA



13C3-PFPeA



13C3-PFBS



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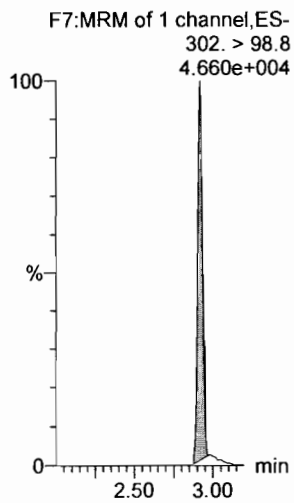
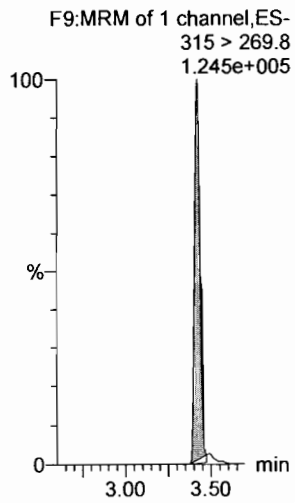


13C2-PFHxA



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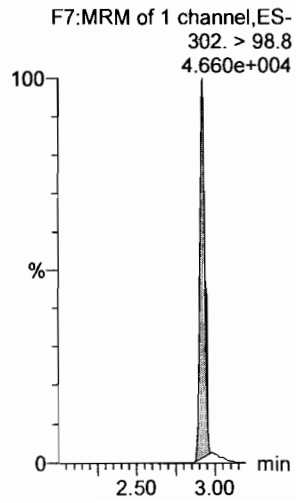

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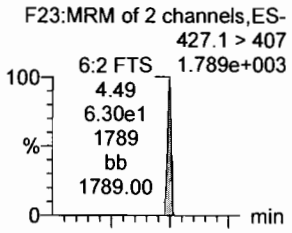
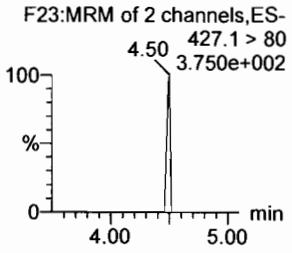
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

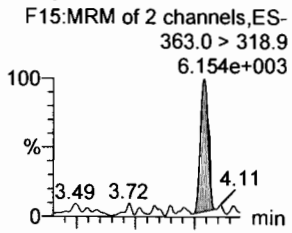
Name: 180223M2_2, Date: 23-Feb-2018, Time: 20:47:38, ID: ST180223M2-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

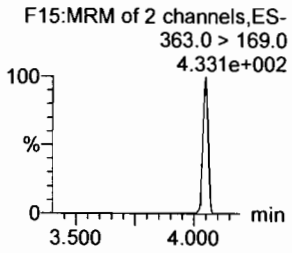
6:2 FTS



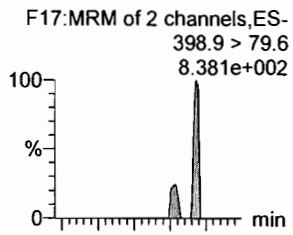


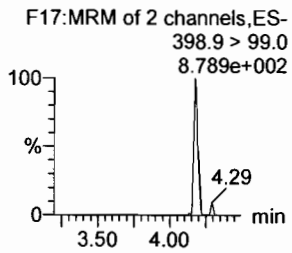
PFHpA



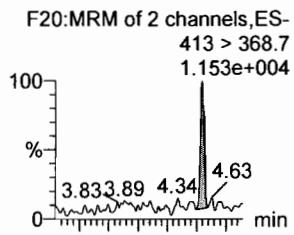


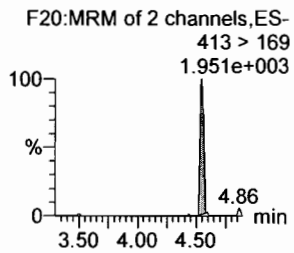
L-PFHxS





L-PFOA





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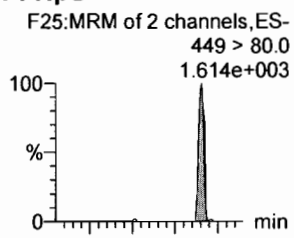

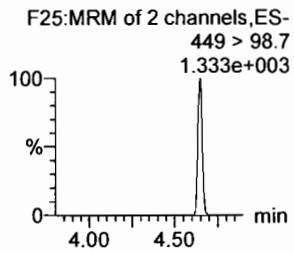

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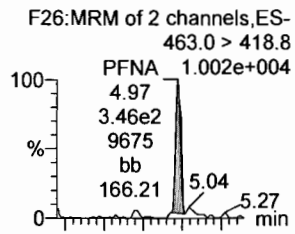
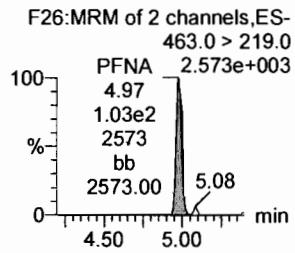
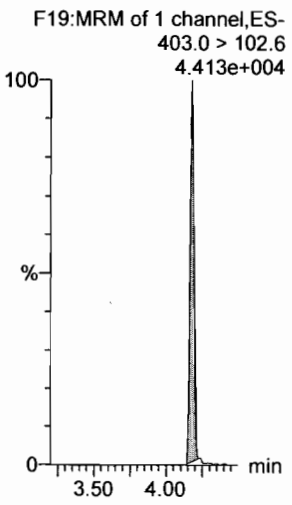
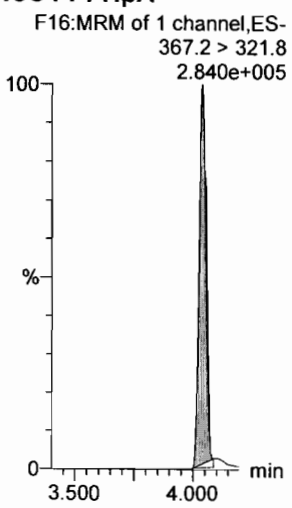




18O2-PFHxS



13C4-PFHpA



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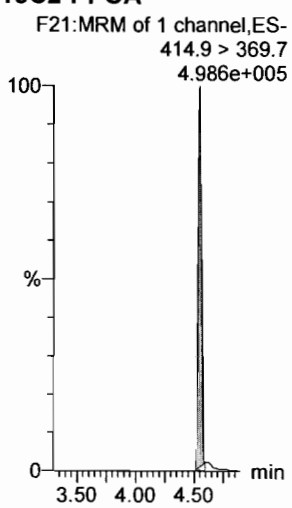

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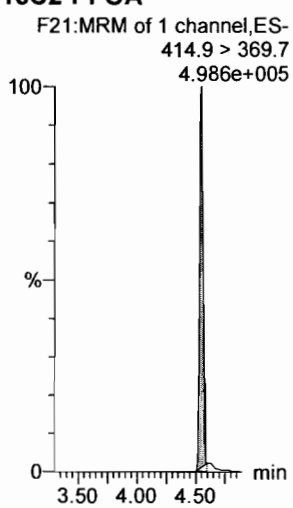

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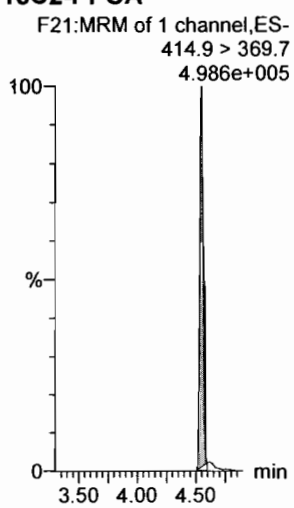

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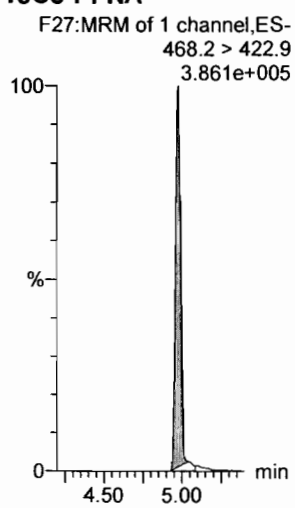

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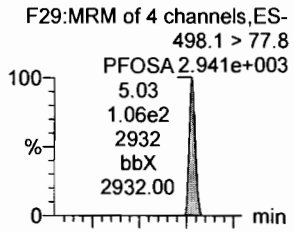
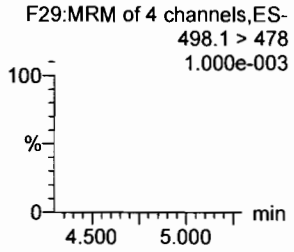
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_2, Date: 23-Feb-2018, Time: 20:47:38, ID: ST180223M2-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

PFOSA





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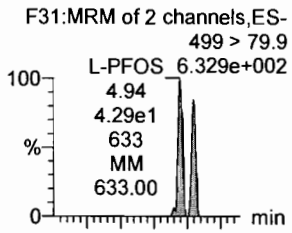

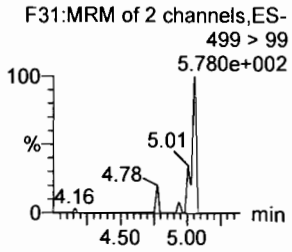

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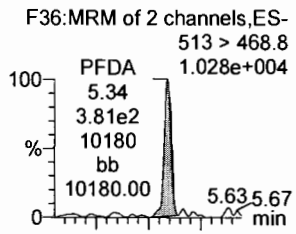
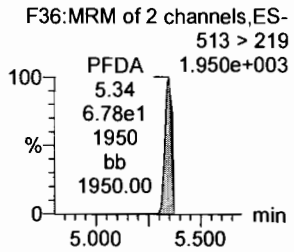
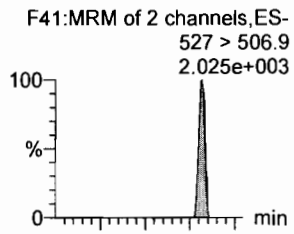
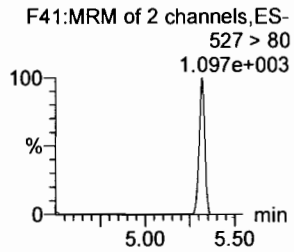


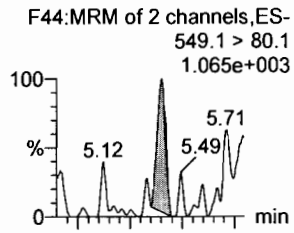


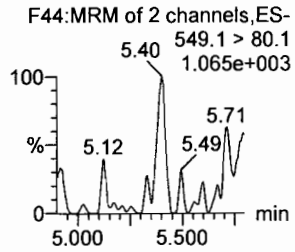
8:2 FTS





PFNS





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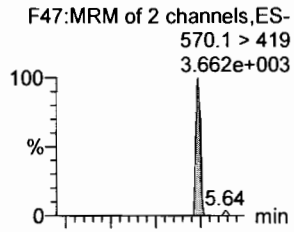
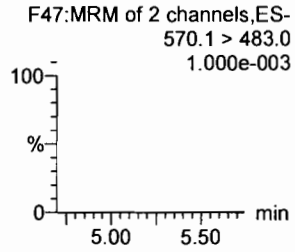
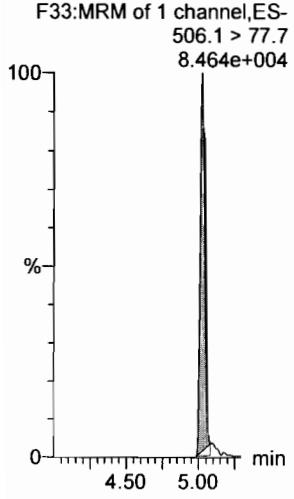




13C8-PFOSA



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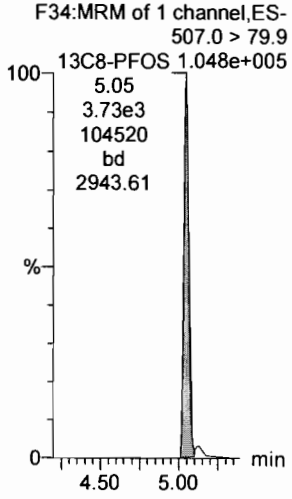

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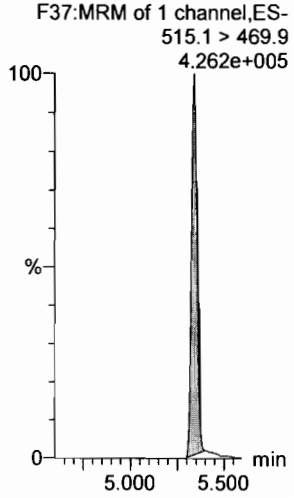

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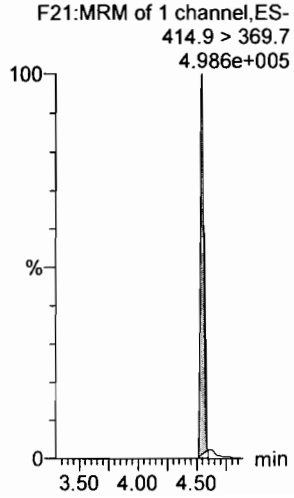

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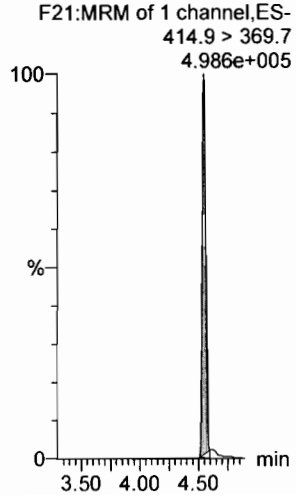

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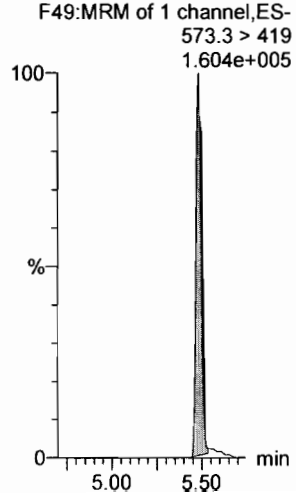

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Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_2, Date: 23-Feb-2018, Time: 20:47:38, ID: ST180223M2-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

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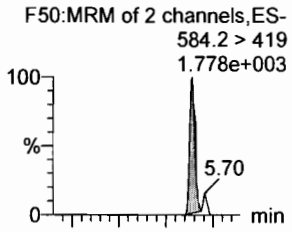
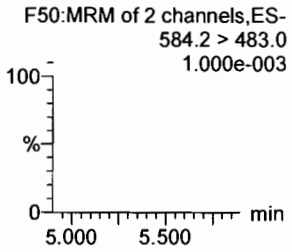
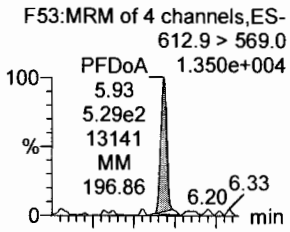
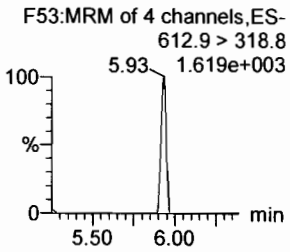




PFDoA





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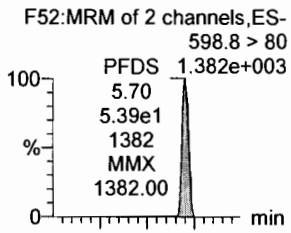

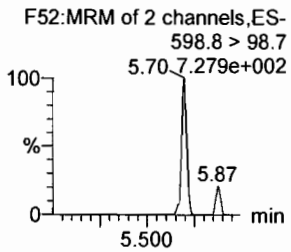

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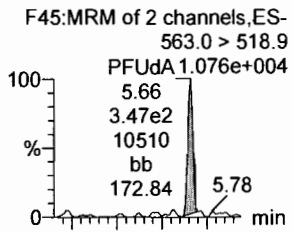

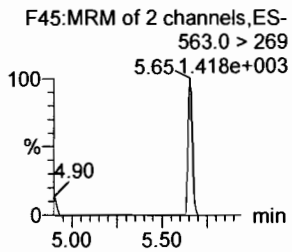

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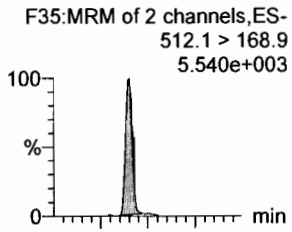

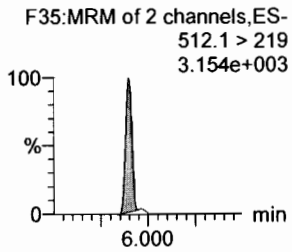

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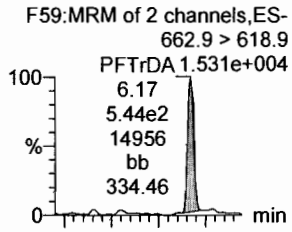

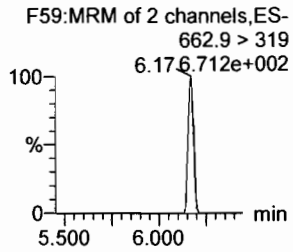

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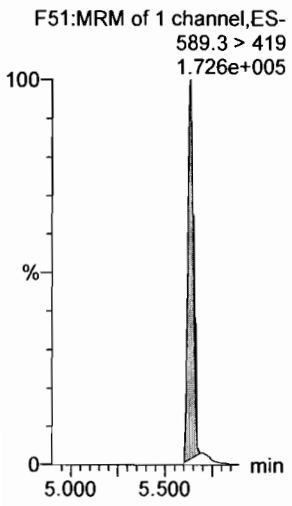
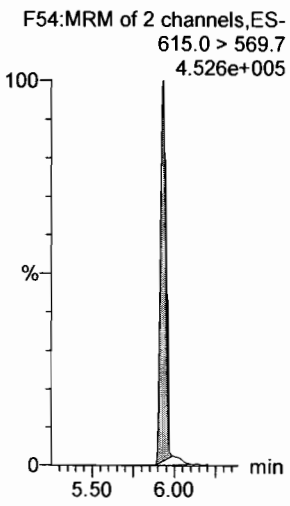
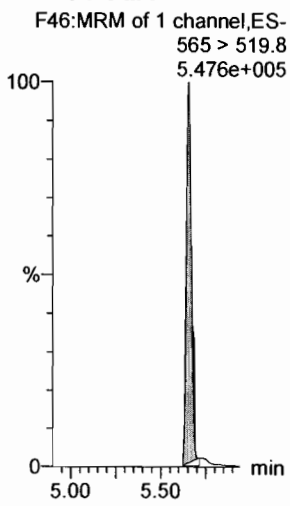


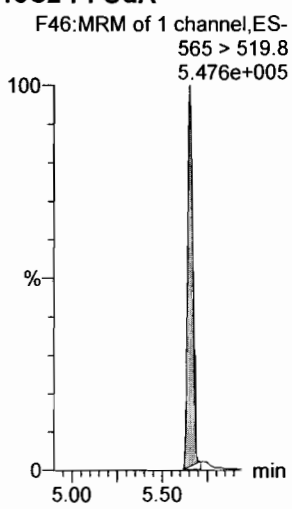
13C2-PFDoA



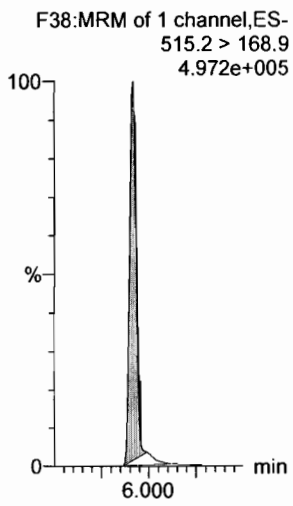
13C2-PFUdA



13C2-PFUdA



d3-N-MeFOSA



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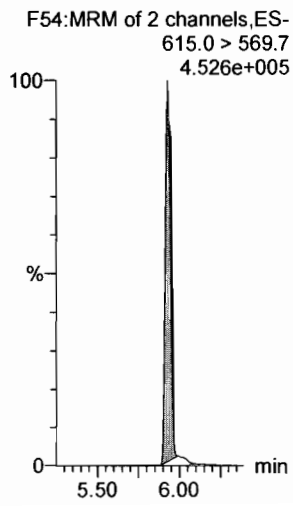
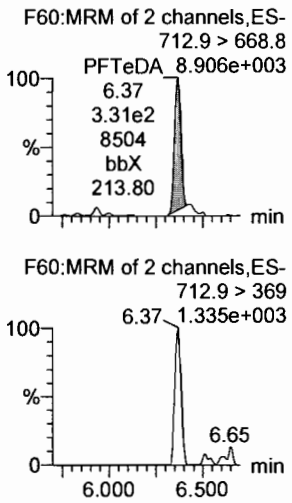


Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

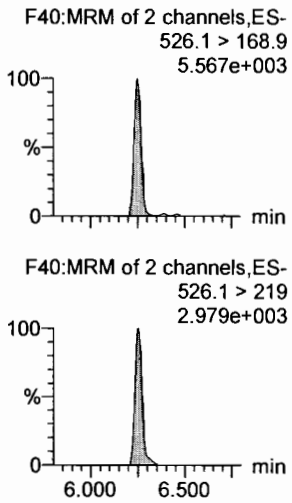
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_2, Date: 23-Feb-2018, Time: 20:47:38, ID: ST180223M2-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

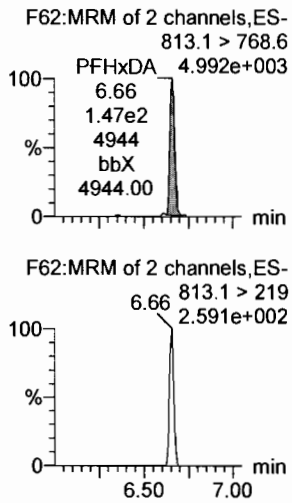
PFTeDA



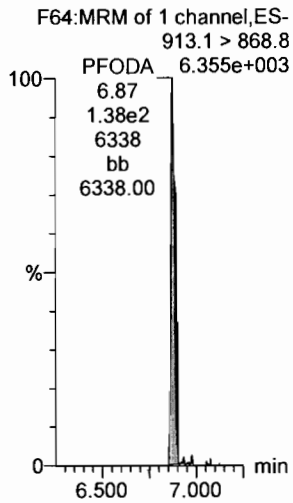
N-EtFOSA



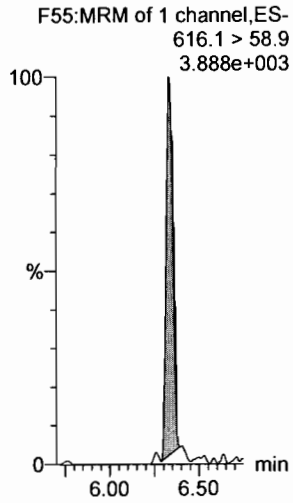
PFHxDA



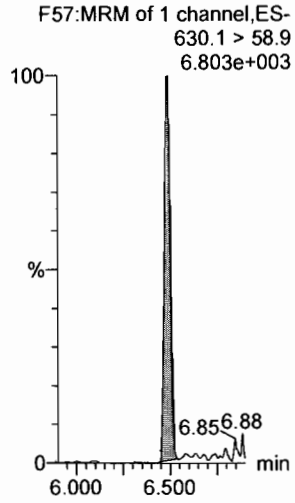
PFODA



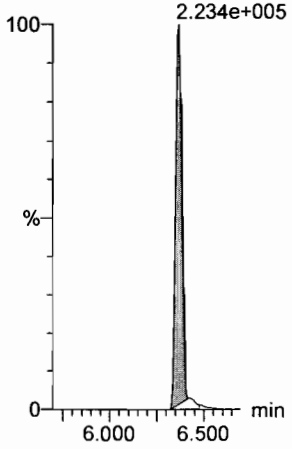
N-MeFOSE



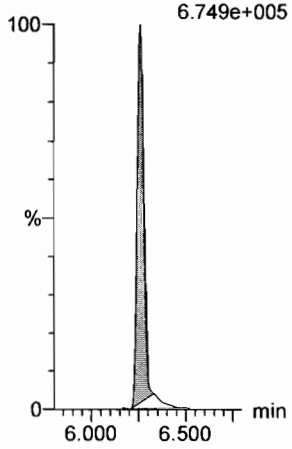
N-EtFOSE



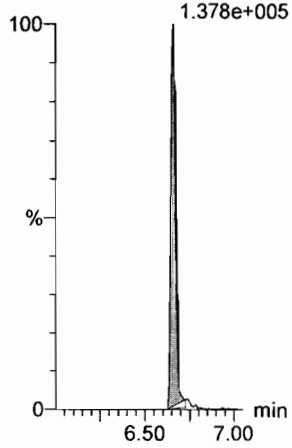
13C2-PFTeDA



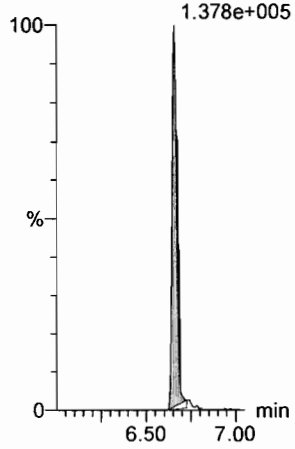
d5-N-ETFOSA



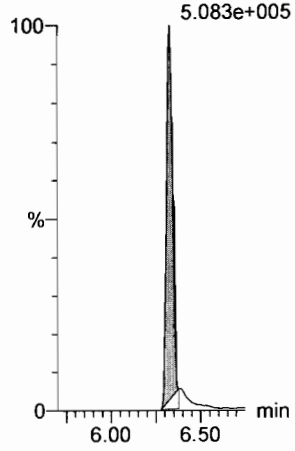
13C2-PFHxDA



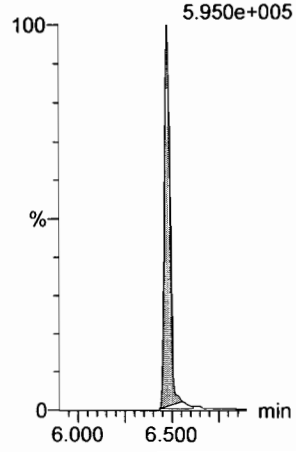
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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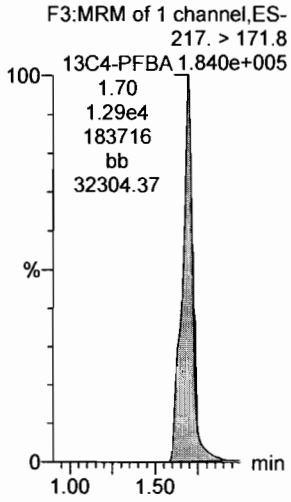
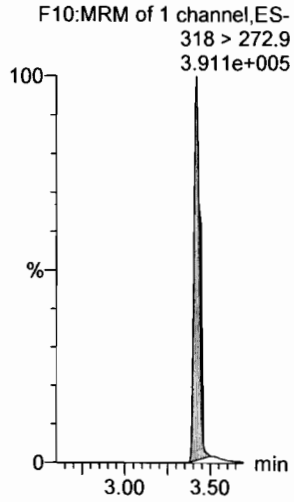
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_2, Date: 23-Feb-2018, Time: 20:47:38, ID: ST180223M2-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

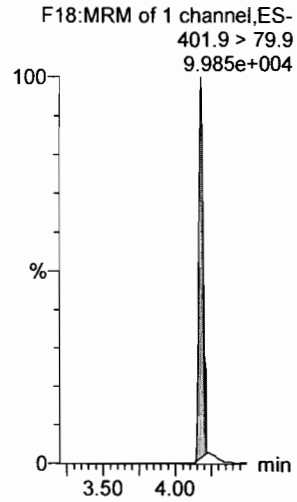
13C4-PFBA



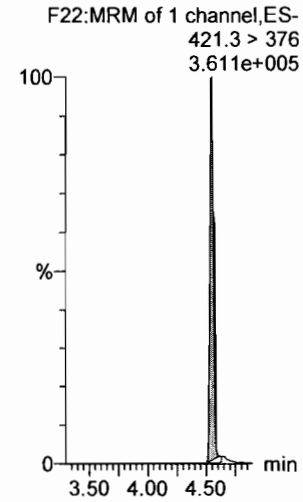
13C5-PFHxA



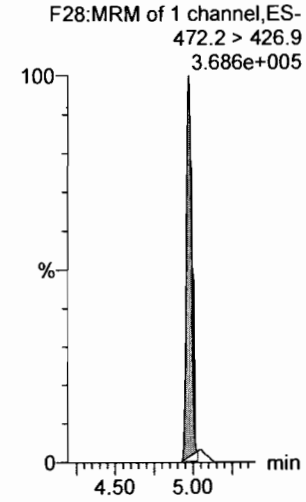
13C3-PFHxS



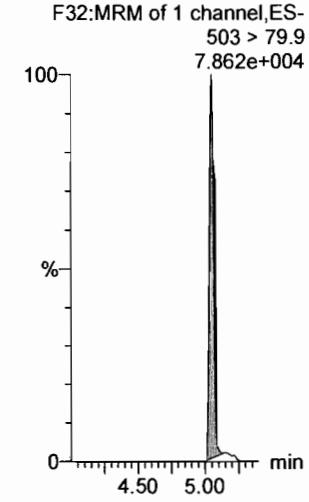
13C8-PFOA



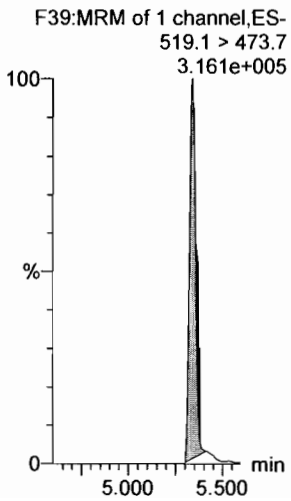
13C9-PFNA



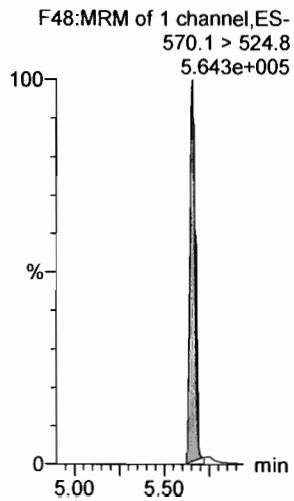
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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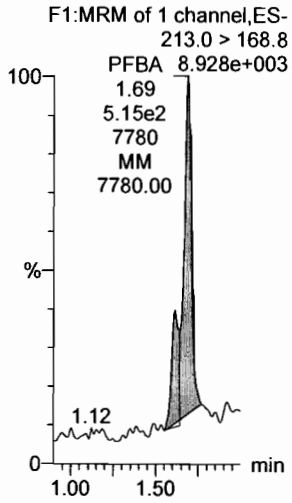
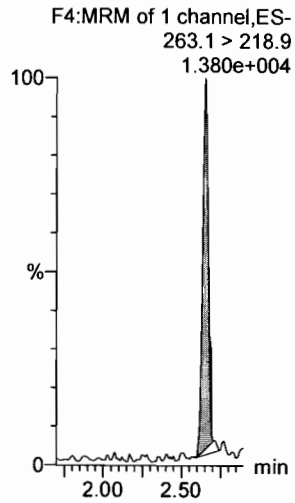
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_3, Date: 23-Feb-2018, Time: 20:59:05, ID: ST180223M2-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

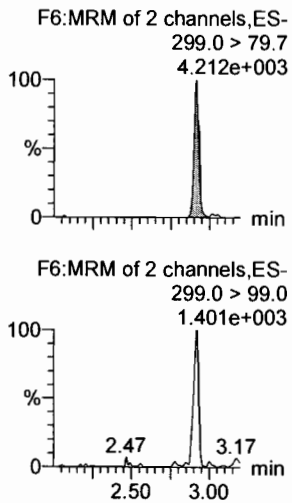
PFBA



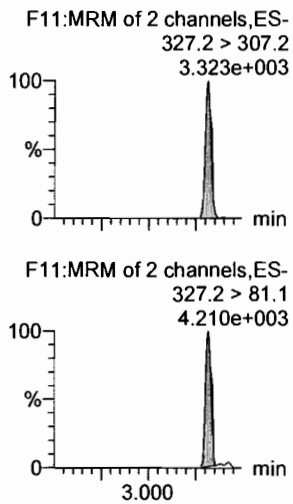
PFPeA



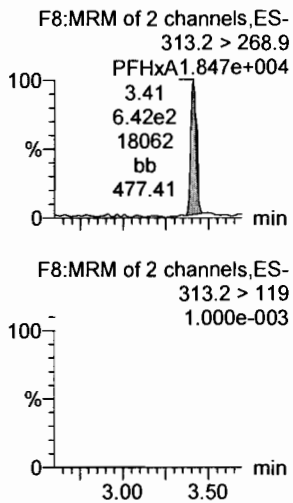
PFBS



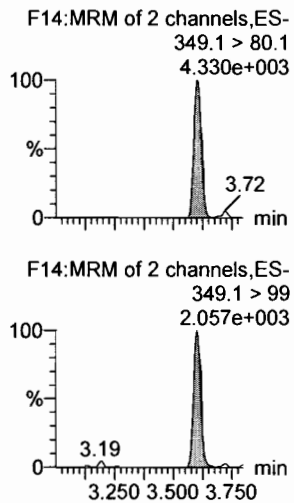
4:2 FTS



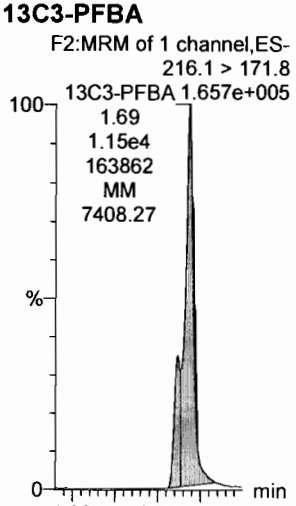
PFHxA



PFPeS



13C3-PFBA



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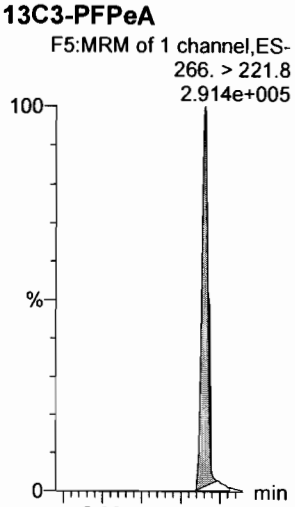

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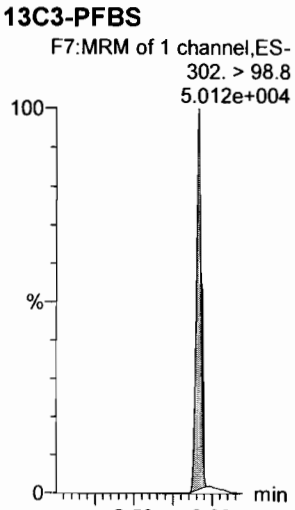

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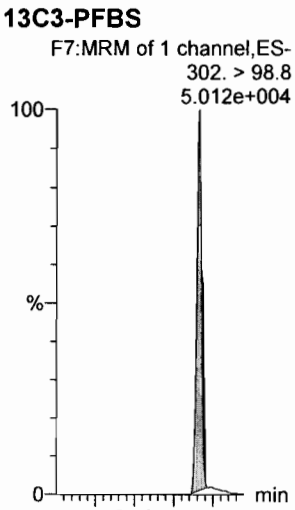
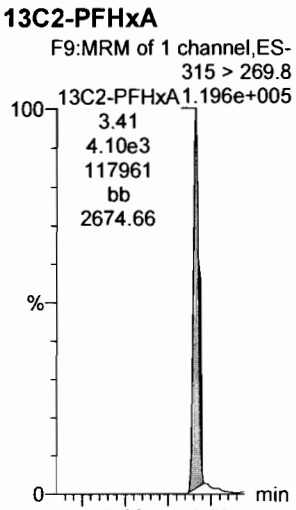


13C2-PFHxA



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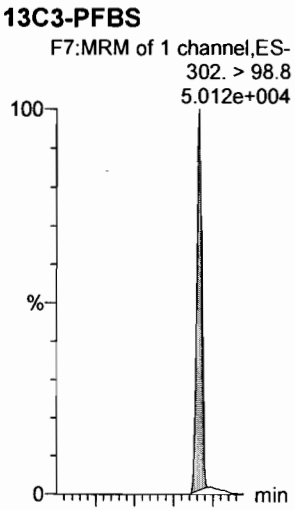

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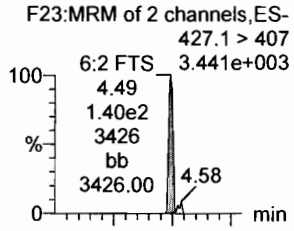
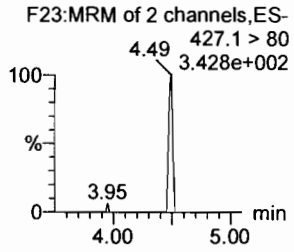
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

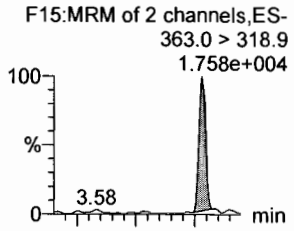
Name: 180223M2_3, Date: 23-Feb-2018, Time: 20:59:05, ID: ST180223M2-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

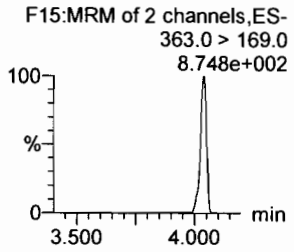
6:2 FTS



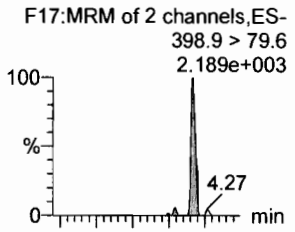


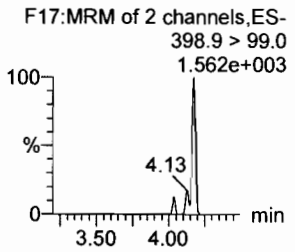
PFHpA



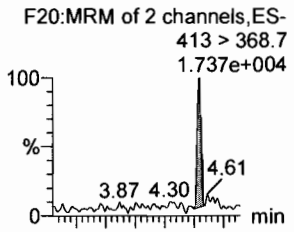


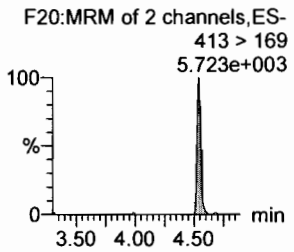
L-PFHxS





L-PFOA





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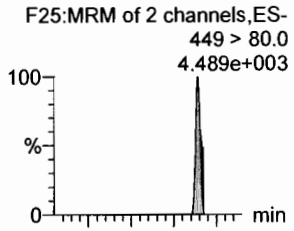

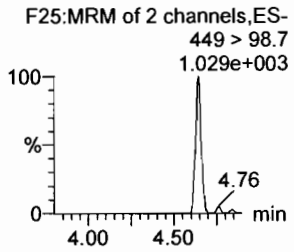

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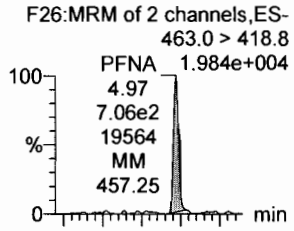
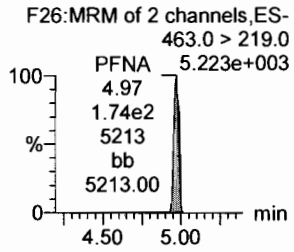
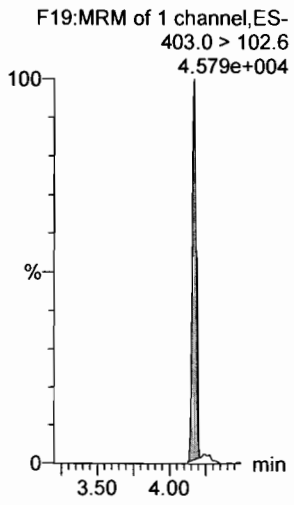




18O2-PFHxS



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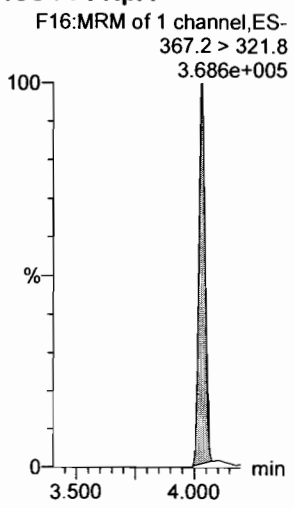
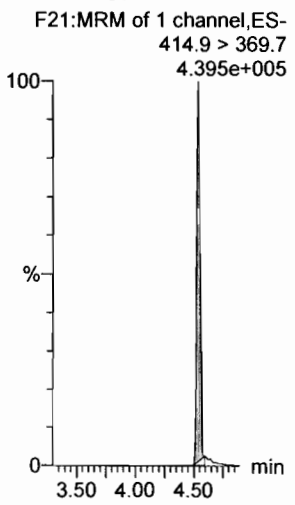
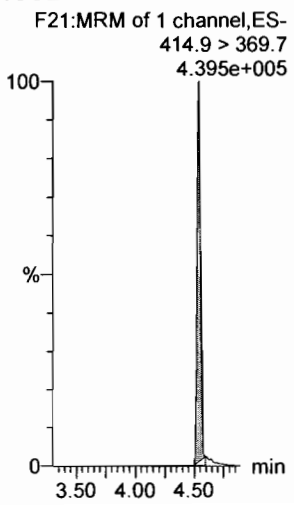


13C2-PFOA



13C2-PFOA



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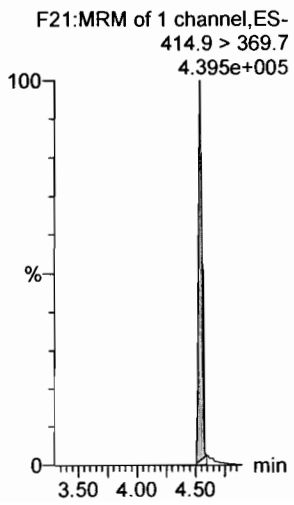

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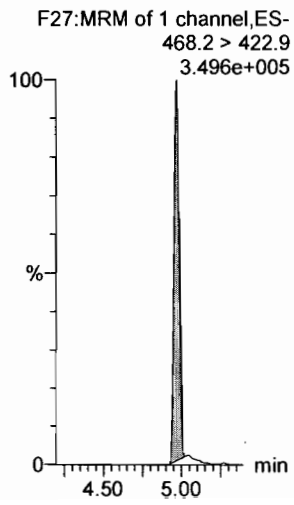

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Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_3, Date: 23-Feb-2018, Time: 20:59:05, ID: ST180223M2-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

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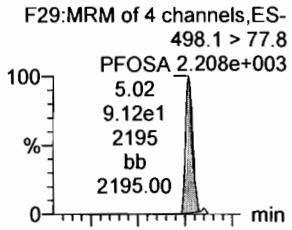

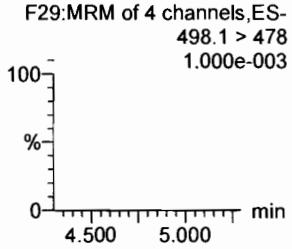

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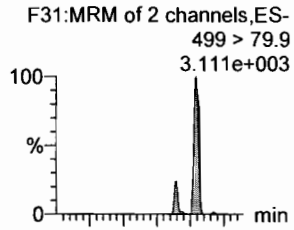

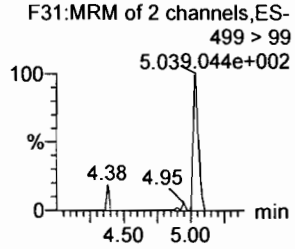

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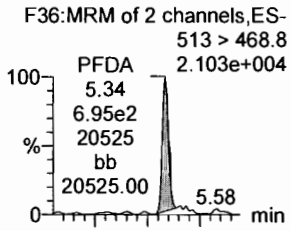

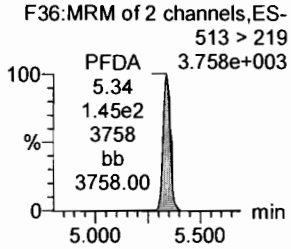

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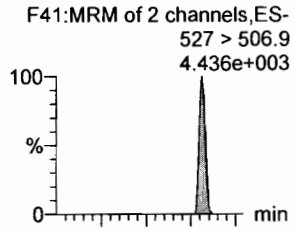

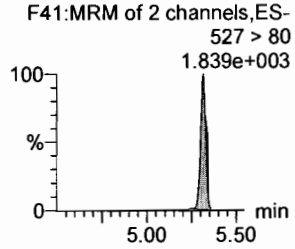

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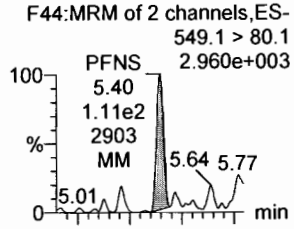

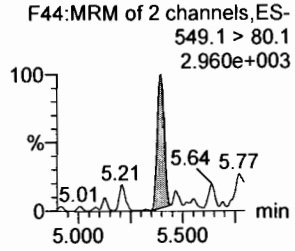

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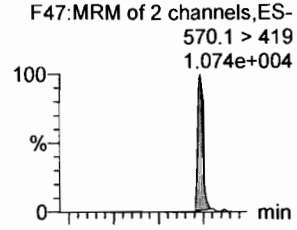

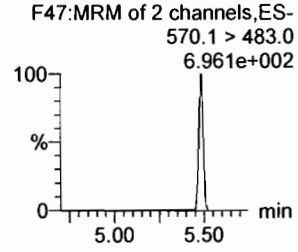

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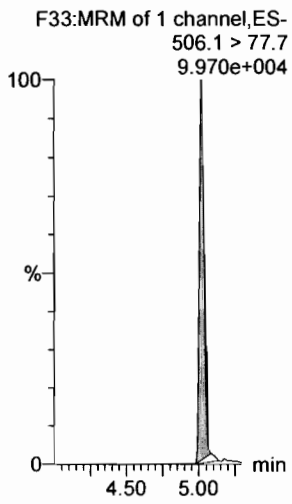

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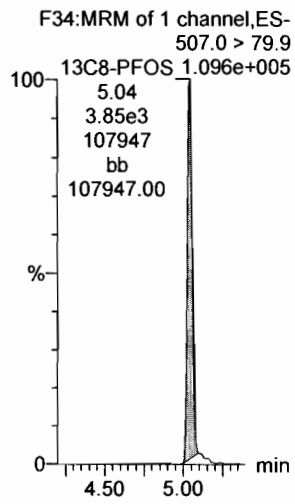

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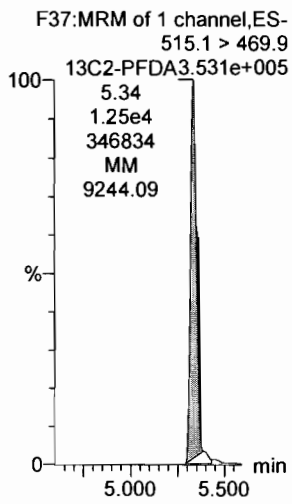

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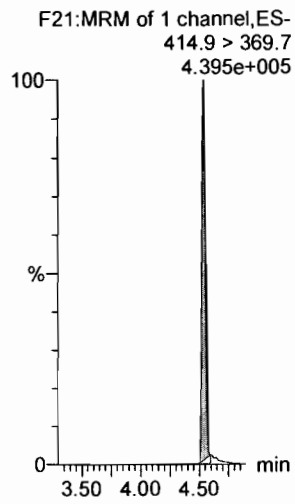

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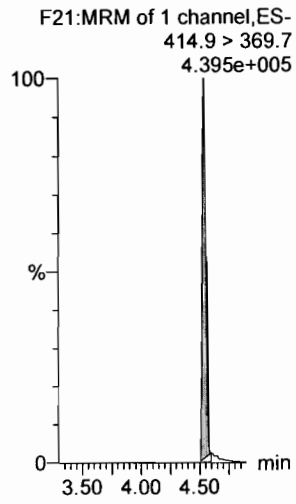

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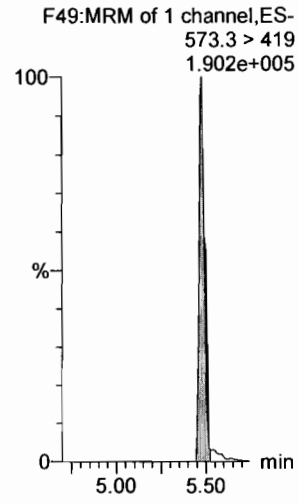

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Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
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Name: 180223M2_3, Date: 23-Feb-2018, Time: 20:59:05, ID: ST180223M2-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

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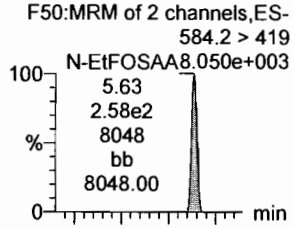

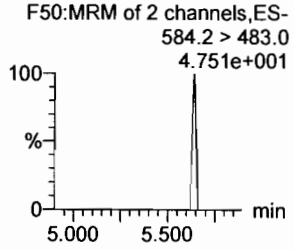

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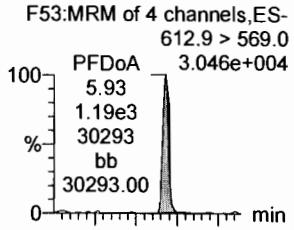

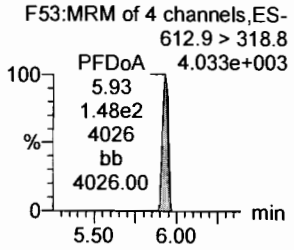

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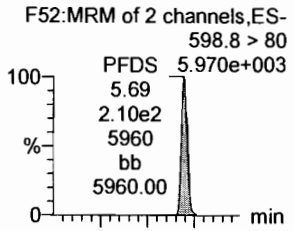

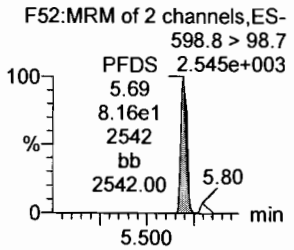

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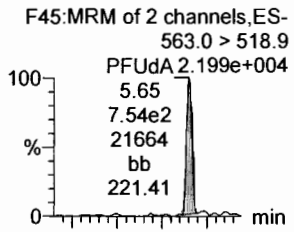

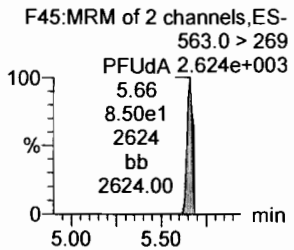

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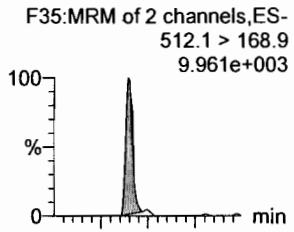

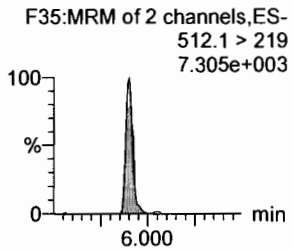

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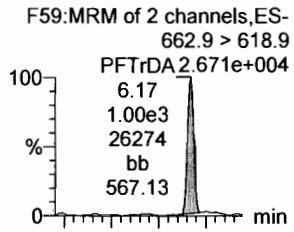

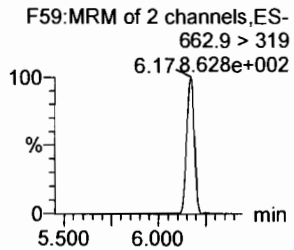

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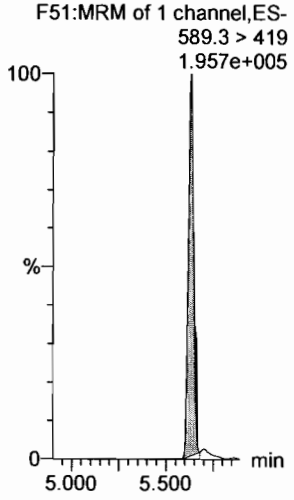

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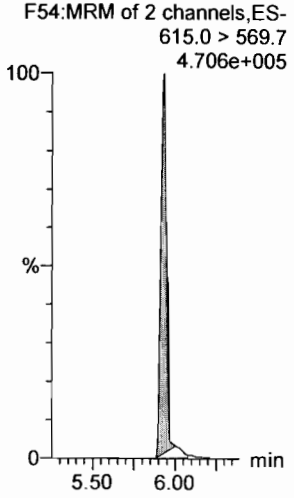

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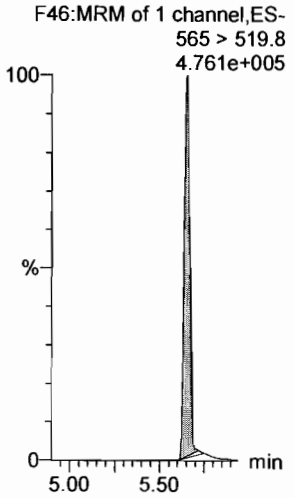

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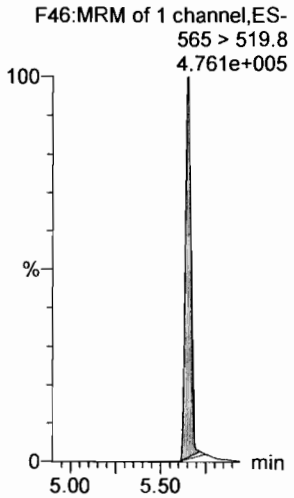

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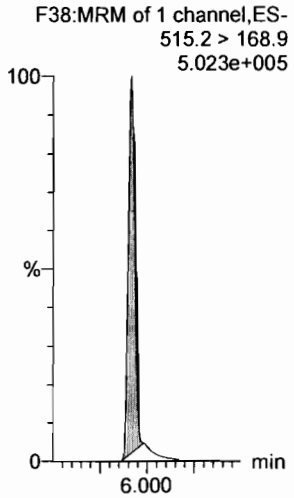

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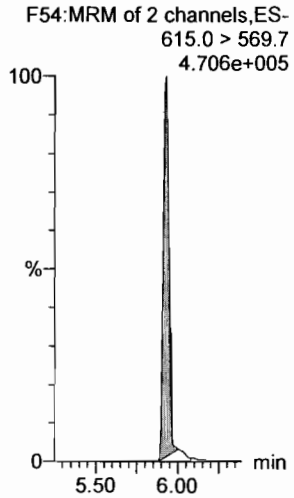

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Name: 180223M2_3, Date: 23-Feb-2018, Time: 20:59:05, ID: ST180223M2-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

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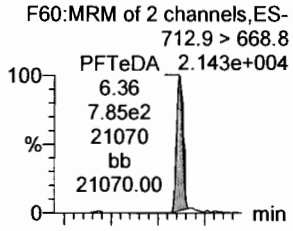

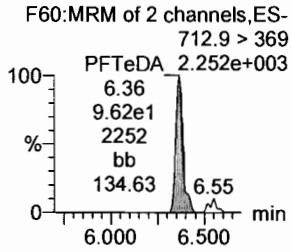

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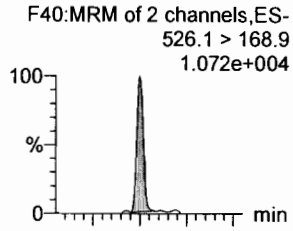

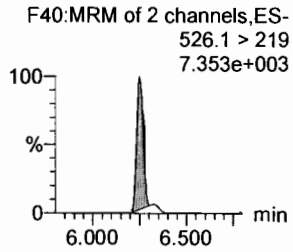

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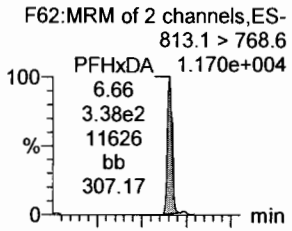

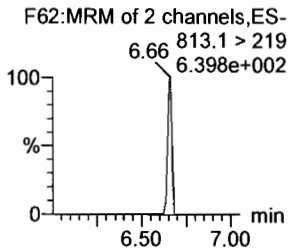

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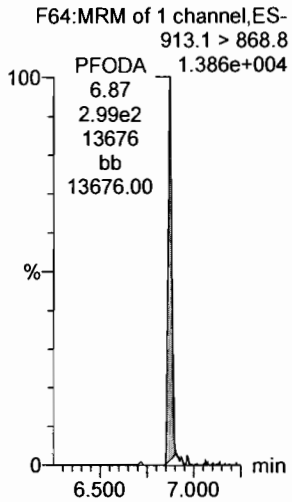
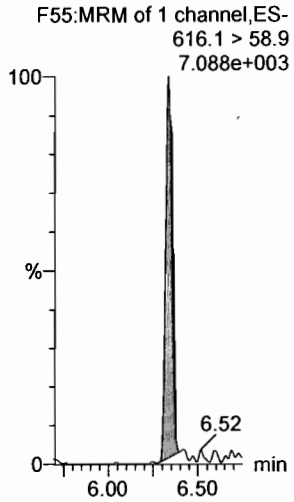


N-MeFOSE



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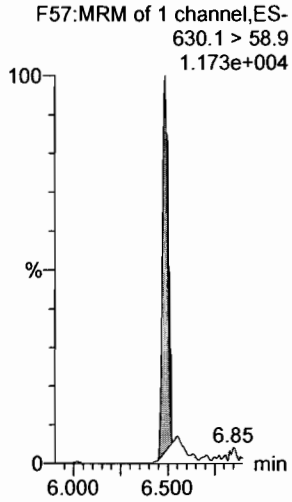

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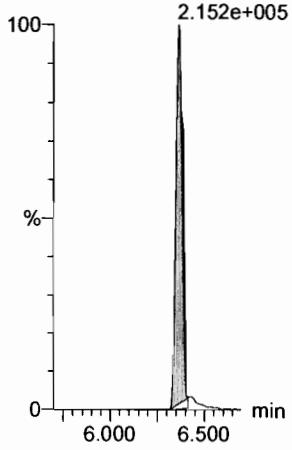

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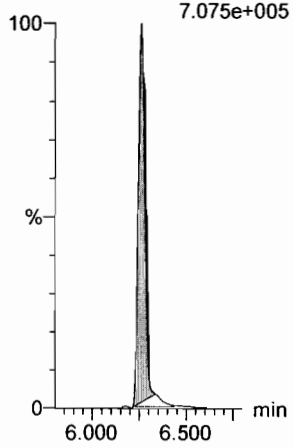

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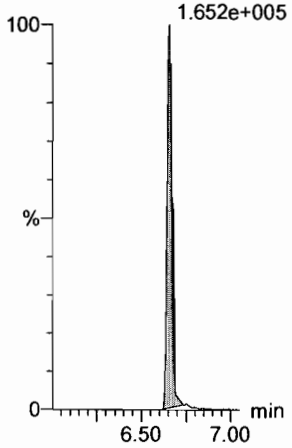

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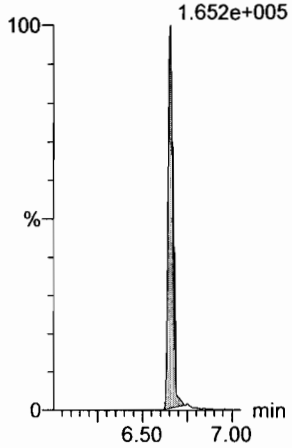

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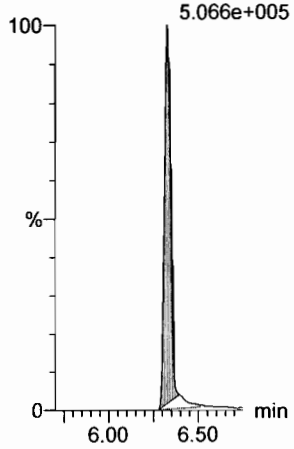
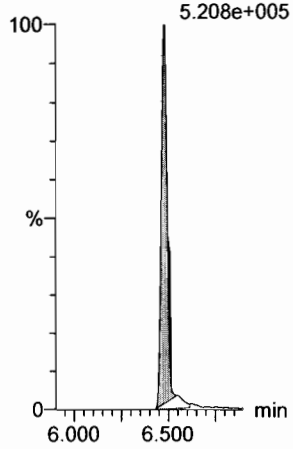


d9-N-EtFOSE



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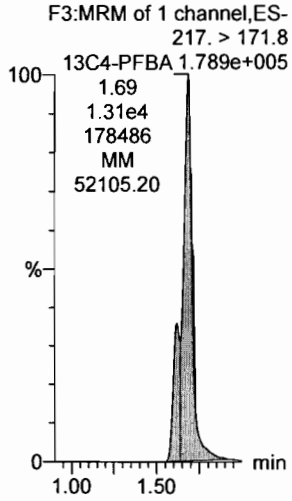
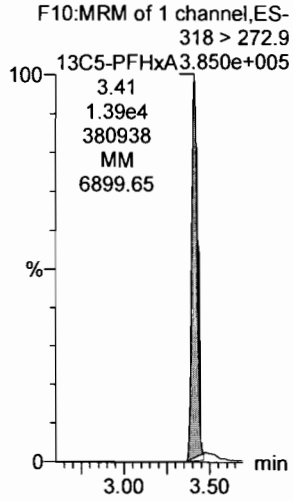
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_3, Date: 23-Feb-2018, Time: 20:59:05, ID: ST180223M2-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

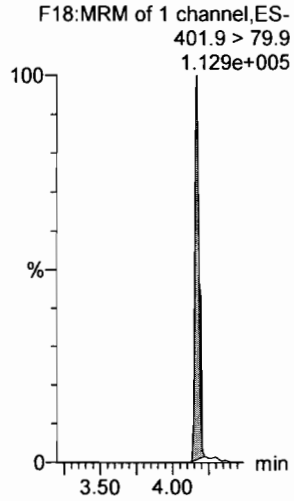
13C4-PFBA



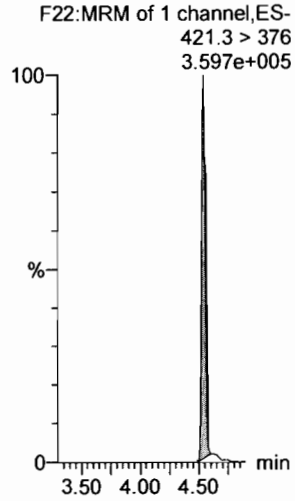
13C5-PFHxA



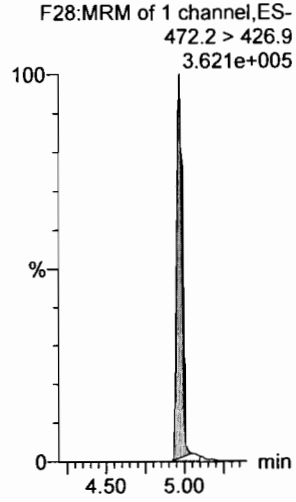
13C3-PFHxS



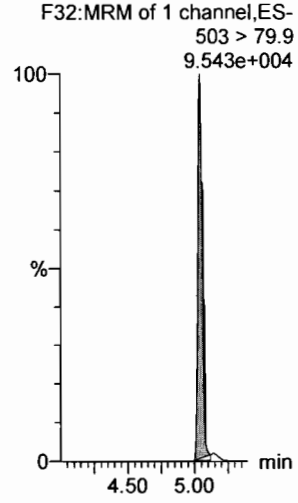
13C8-PFOA



13C9-PFNA



13C4-PFOS



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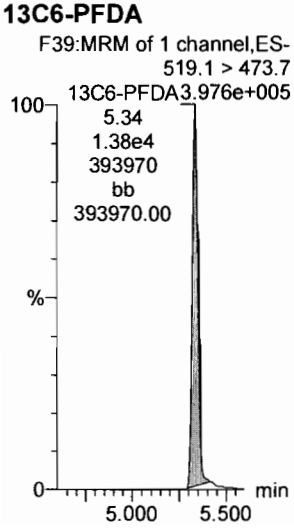
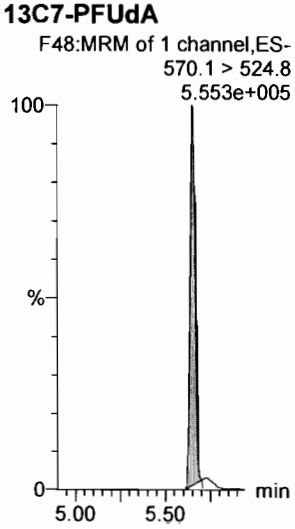


13C7-PFUdA



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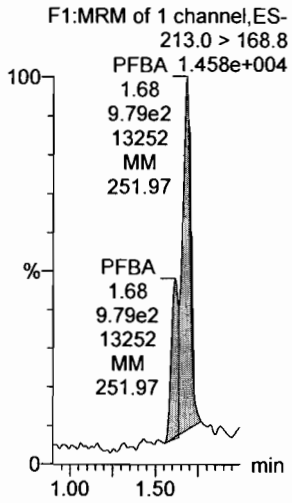
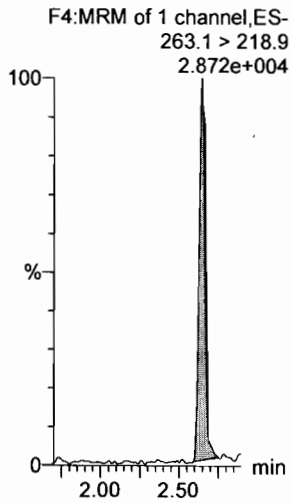
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_4, Date: 23-Feb-2018, Time: 21:10:32, ID: ST180223M2-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

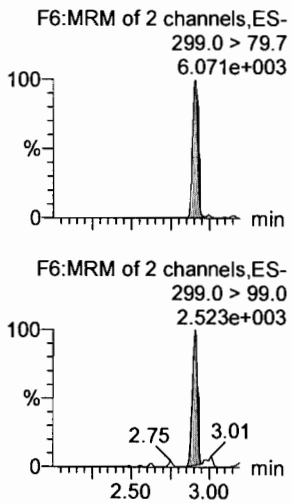
PFBA



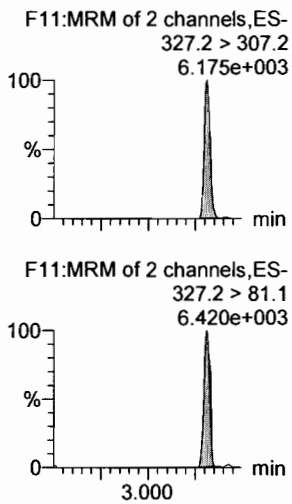
PFPeA



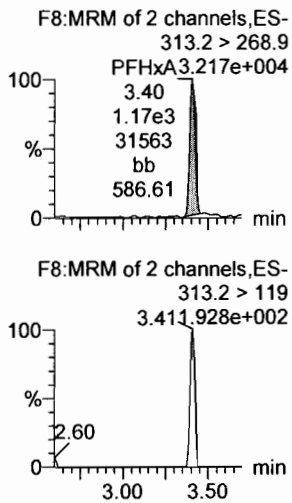
PFBS



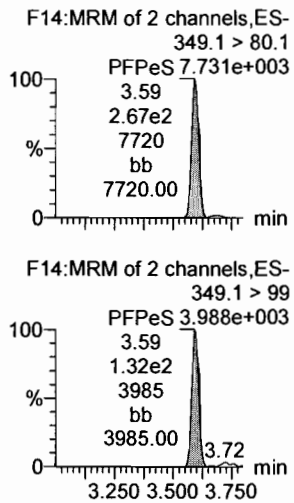
4:2 FTS



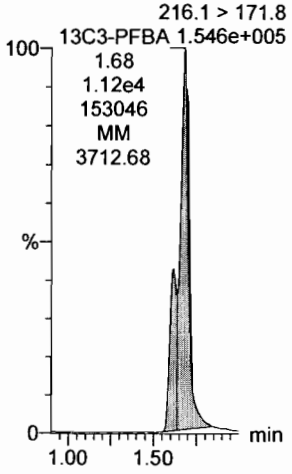
PFHxA



PFPeS



13C3-PFBA



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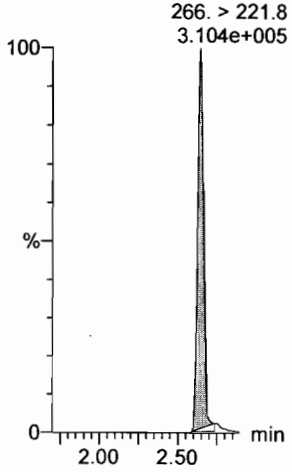

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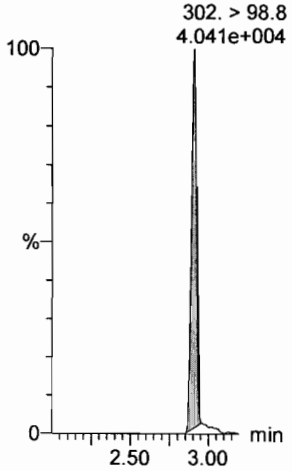

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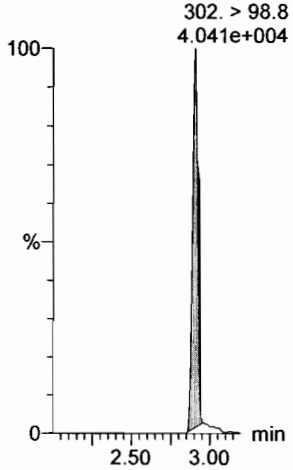
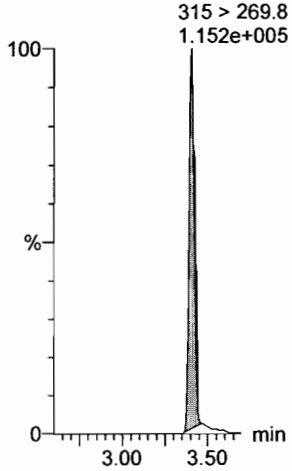
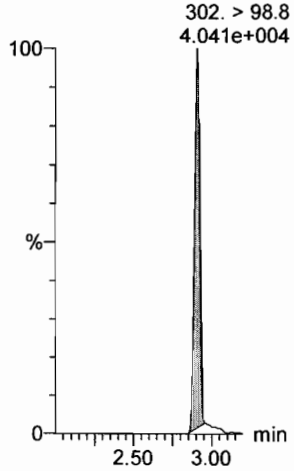


13C2-PFHxA



13C3-PFBS



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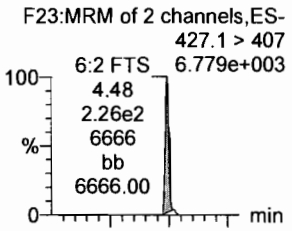
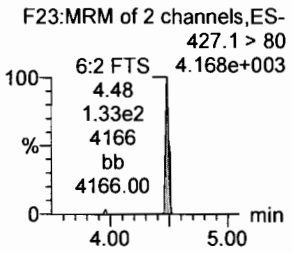
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

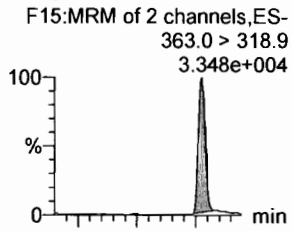
Name: 180223M2_4, Date: 23-Feb-2018, Time: 21:10:32, ID: ST180223M2-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

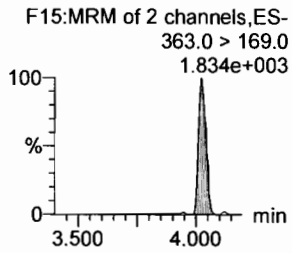
6:2 FTS



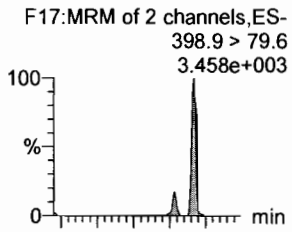


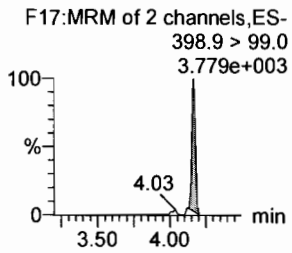
PFHpA



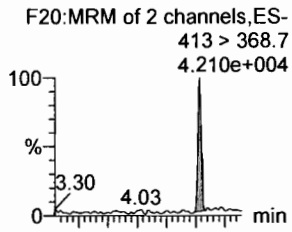


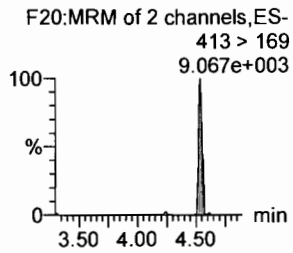
L-PFHxS



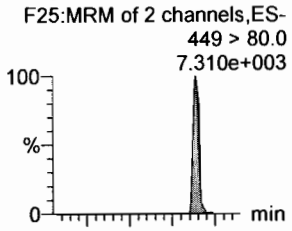


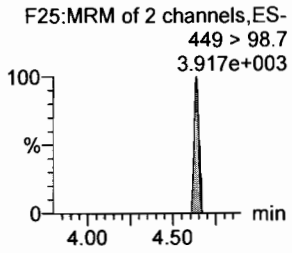
L-PFOA





PFHpS





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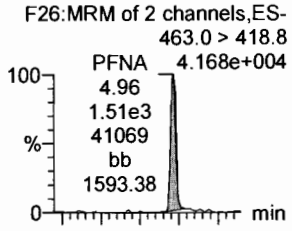
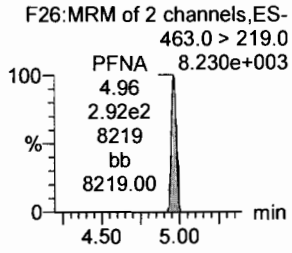
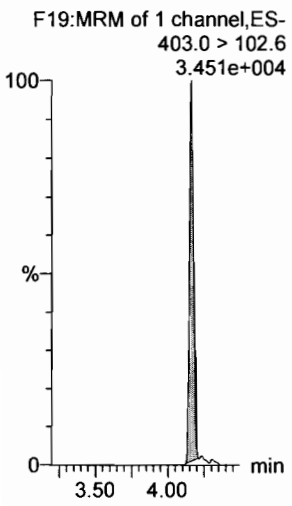
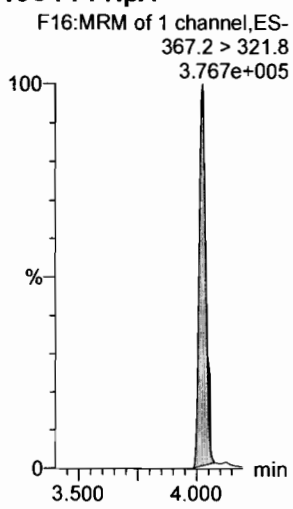




18O2-PFHxS



13C4-PFHpA



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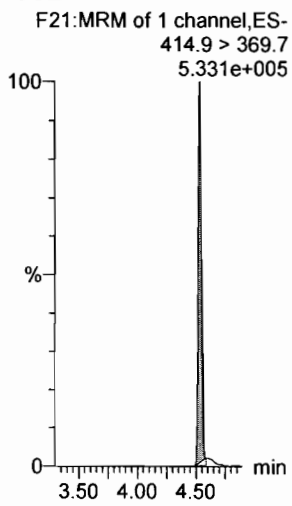

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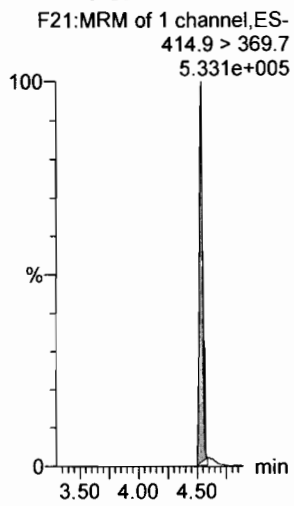

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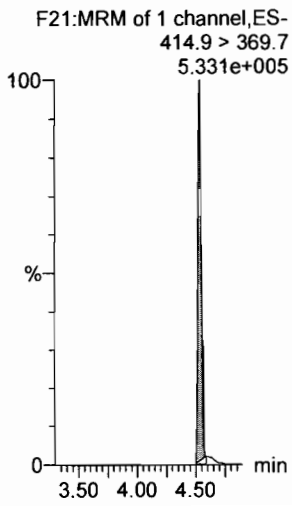
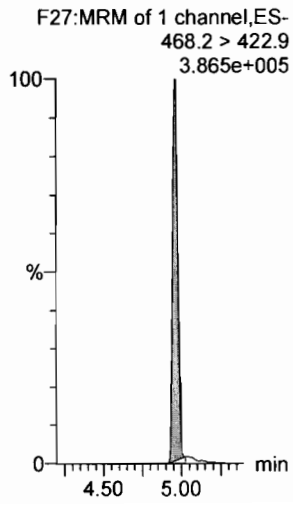


13C5-PFNA

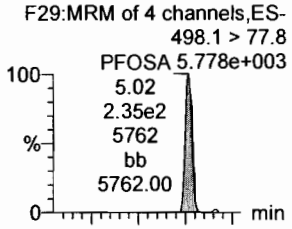


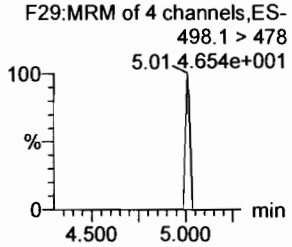
Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

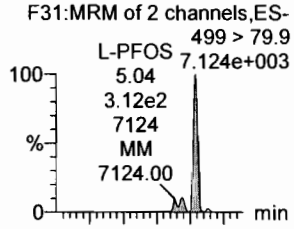
Name: 180223M2_4, Date: 23-Feb-2018, Time: 21:10:32, ID: ST180223M2-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

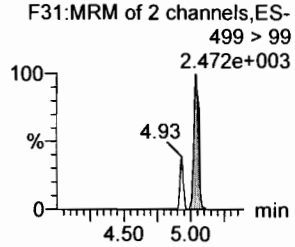
PFOSA



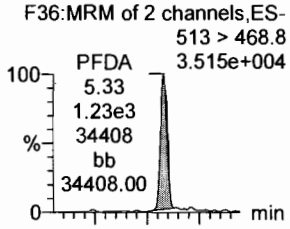


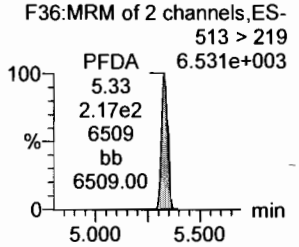
L-PFOS



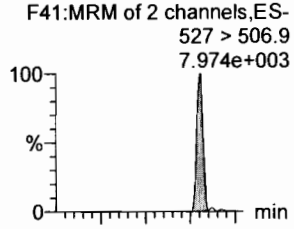


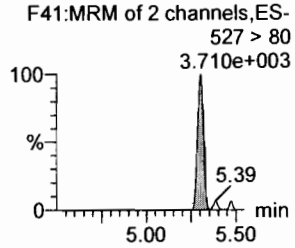
PFDA





8:2 FTS





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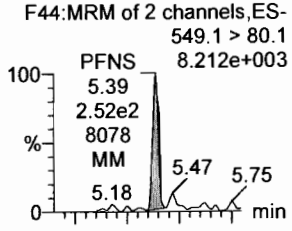
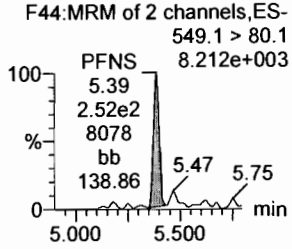
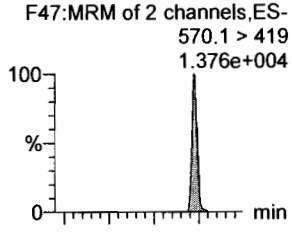
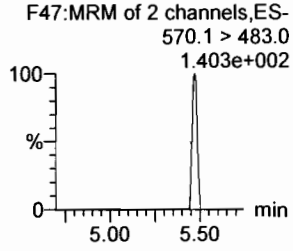


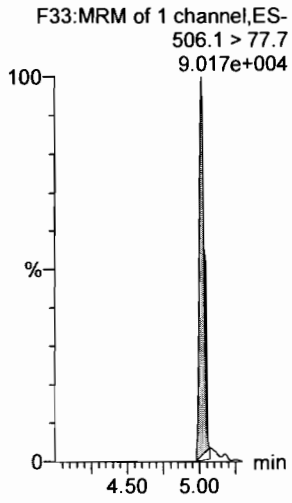


N-MeFOSAA

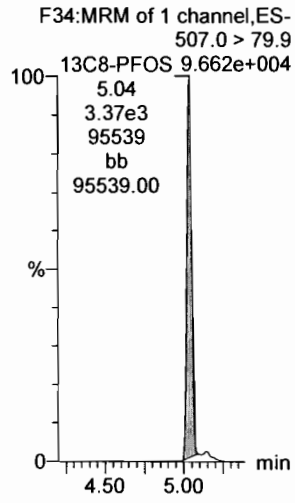




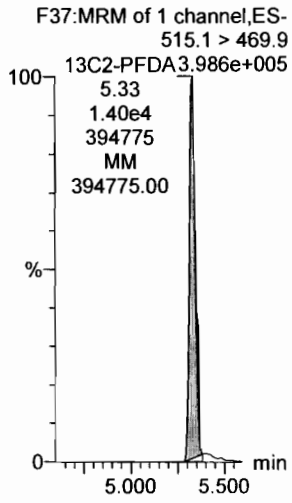
13C8-PFOSA



13C8-PFOS



13C2-PFDA



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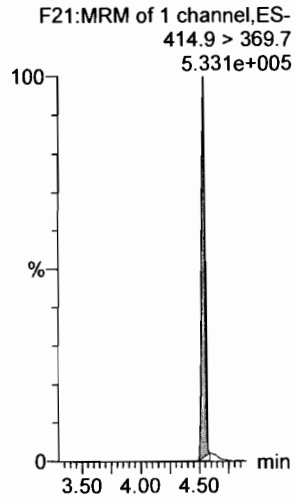

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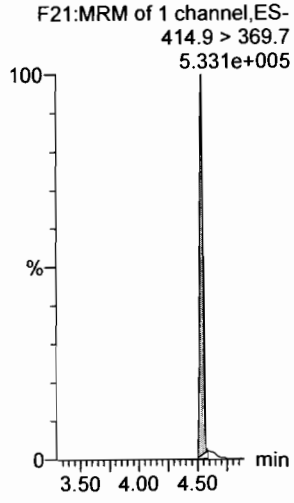
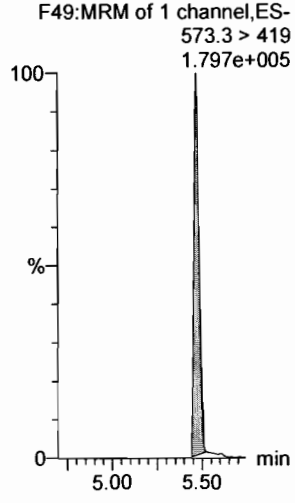


d3-N-MeFOSAA



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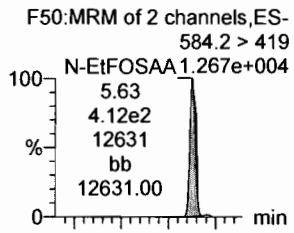
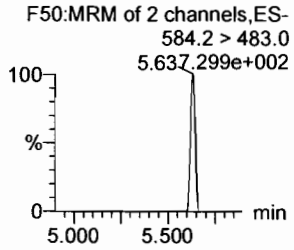
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

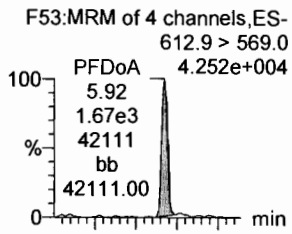
Name: 180223M2_4, Date: 23-Feb-2018, Time: 21:10:32, ID: ST180223M2-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

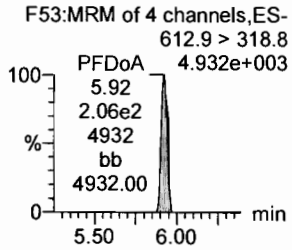
N-EtFOSAA





PFDoA





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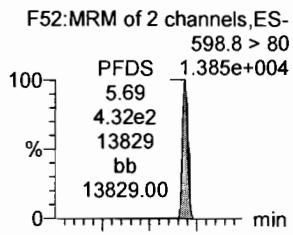
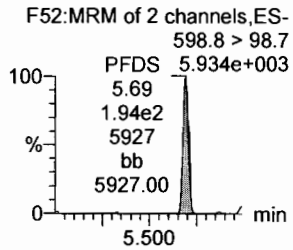
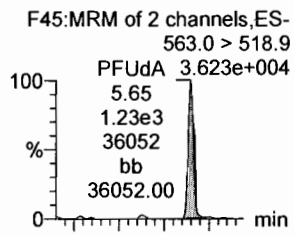
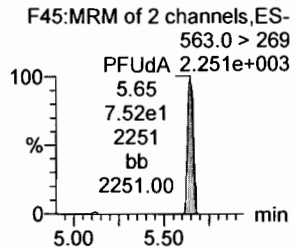


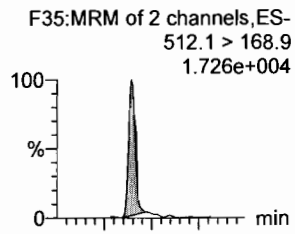


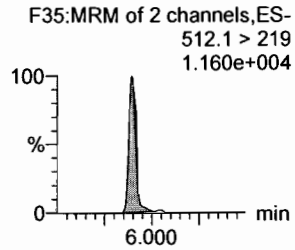
PFUdA



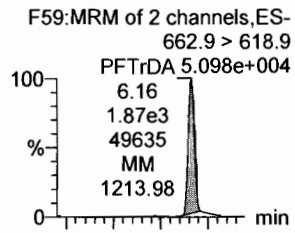


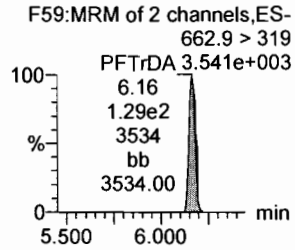
N-MeFOSA



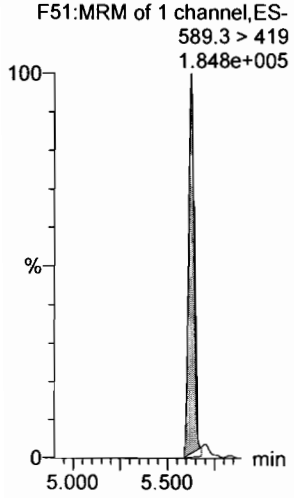


PFTrDA

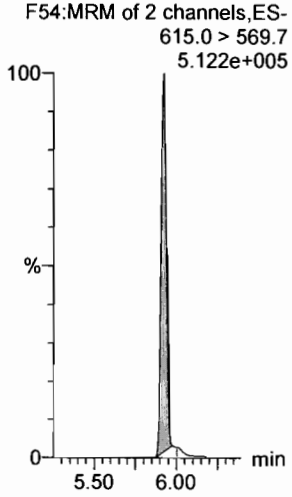




d5-N-EtFOSAA



13C2-PFDoA



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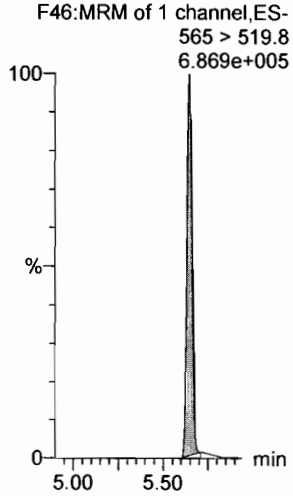

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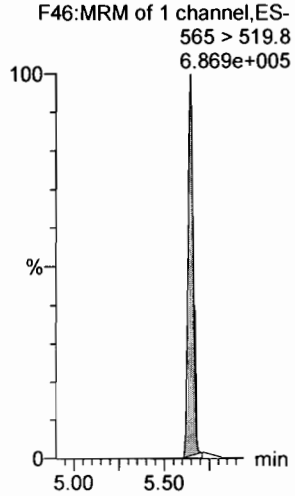
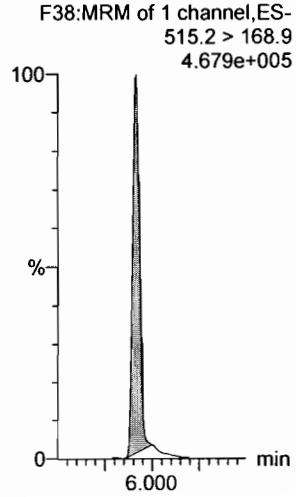


d3-N-MeFOSA



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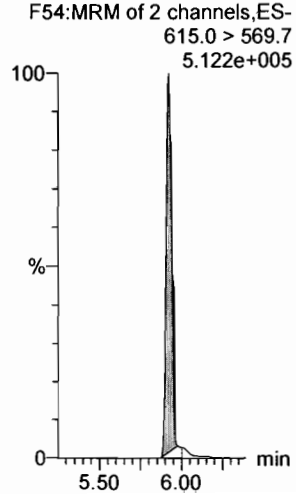
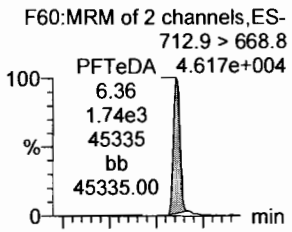


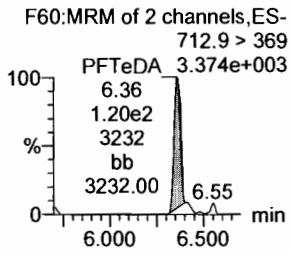
Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_4, Date: 23-Feb-2018, Time: 21:10:32, ID: ST180223M2-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

PFTeDA





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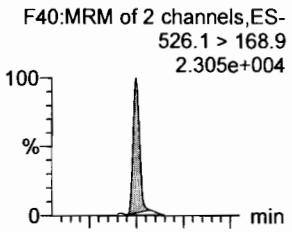
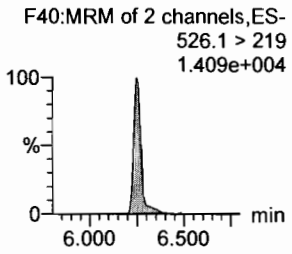
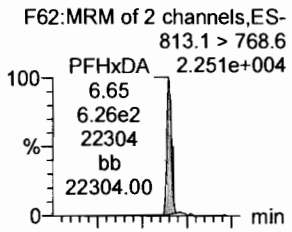
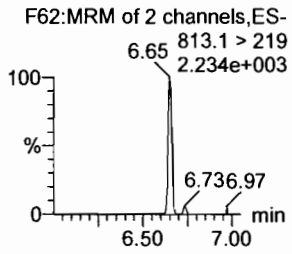


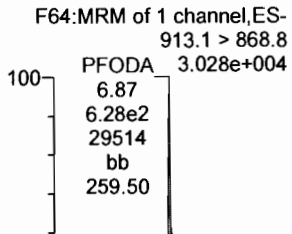


PFHxDA

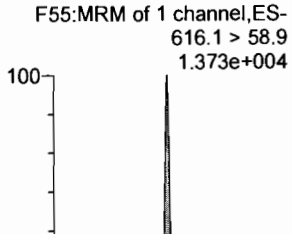




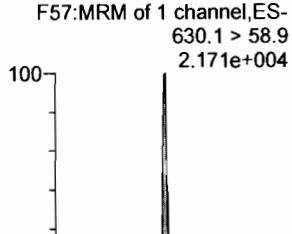
PFODA



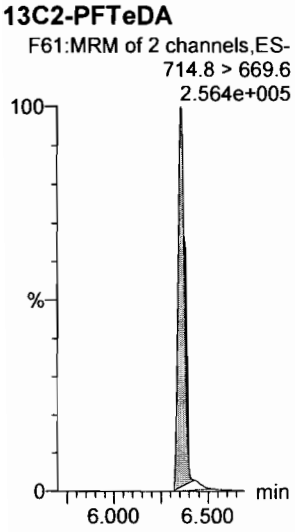
N-MeFOSE



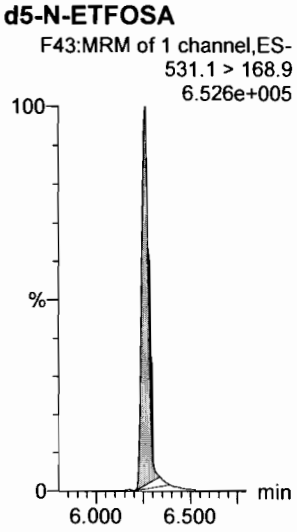
N-EtFOSE



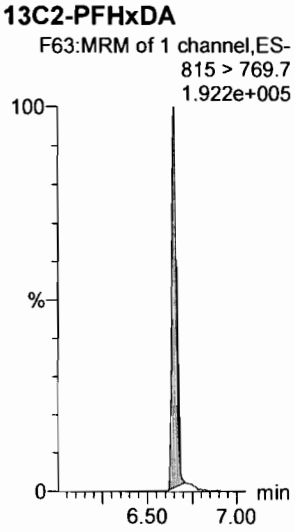
13C2-PFTeDA



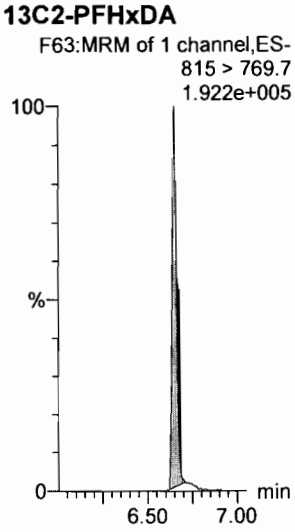
d5-N-ETFOSA



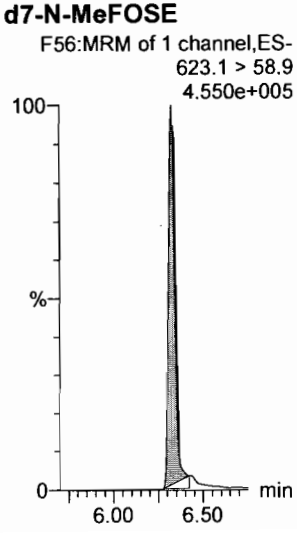
13C2-PFHxDA



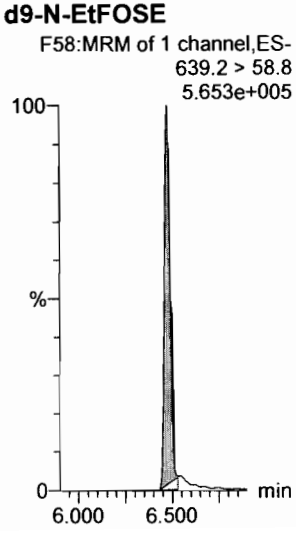
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

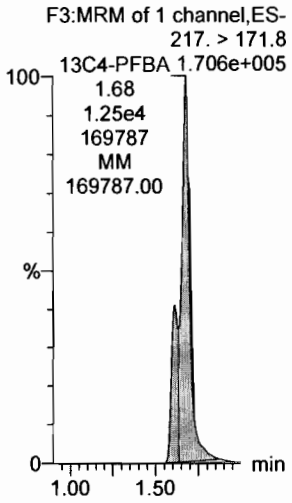


Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

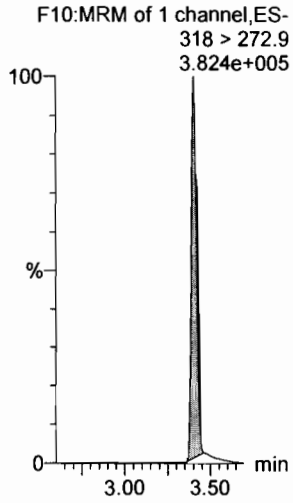
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_4, Date: 23-Feb-2018, Time: 21:10:32, ID: ST180223M2-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

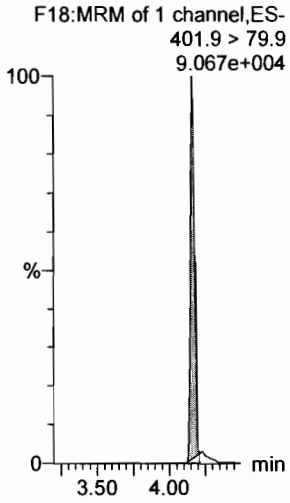
13C4-PFBA



13C5-PFHxA



13C3-PFHxS



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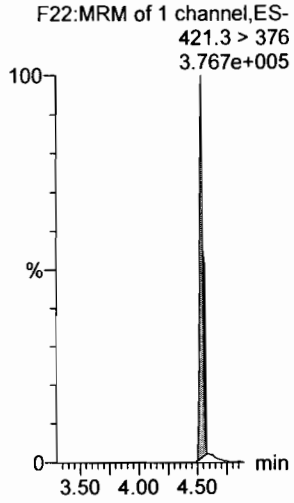
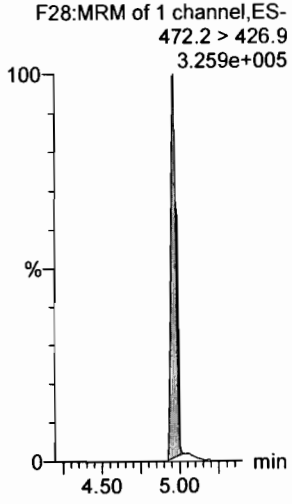
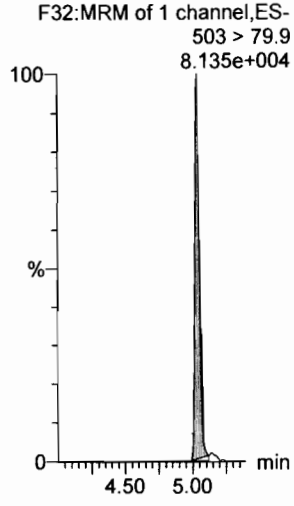


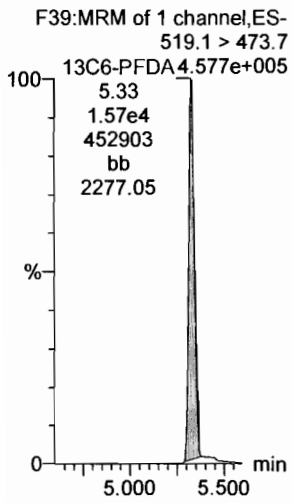
13C9-PFNA



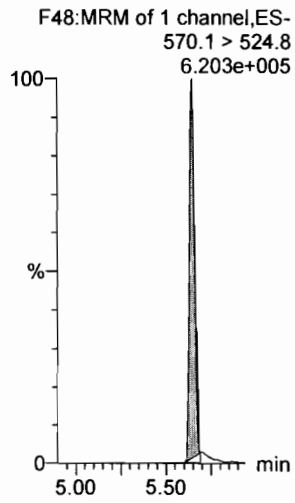
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

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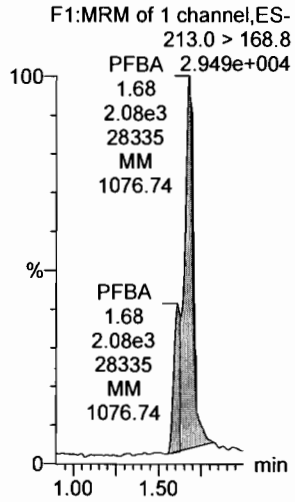
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_5, Date: 23-Feb-2018, Time: 21:22:01, ID: ST180223M2-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

PFBA



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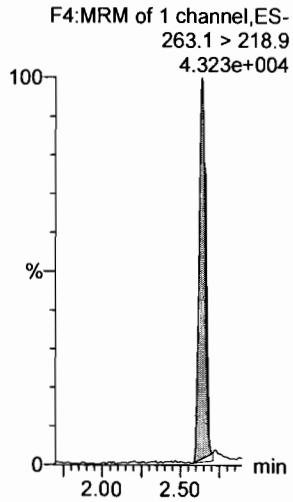

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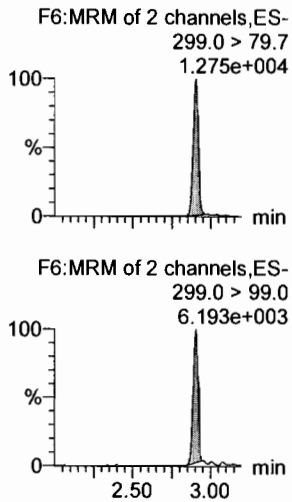
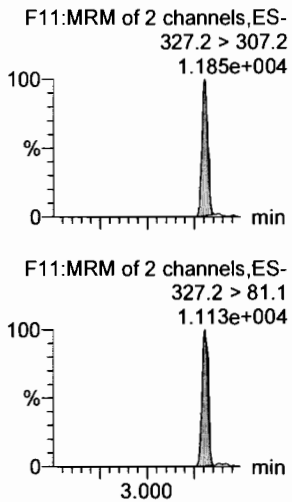


4:2 FTS



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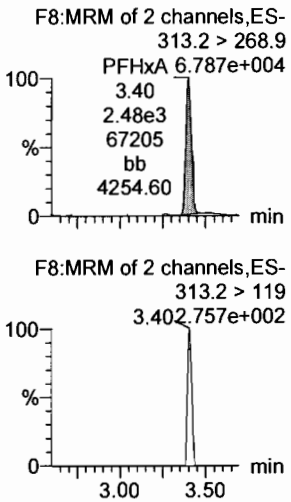

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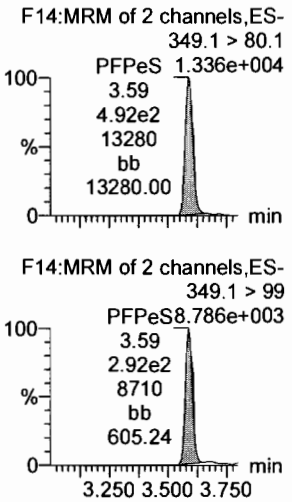
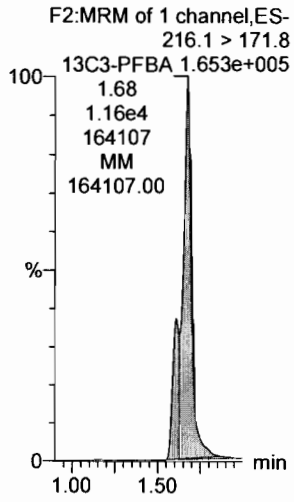


13C3-PFBA



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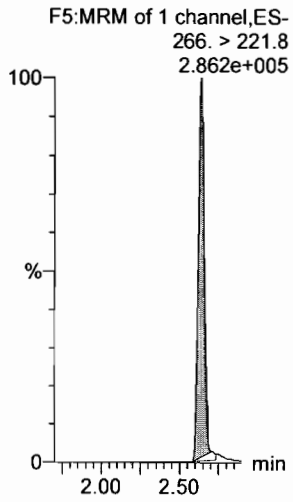

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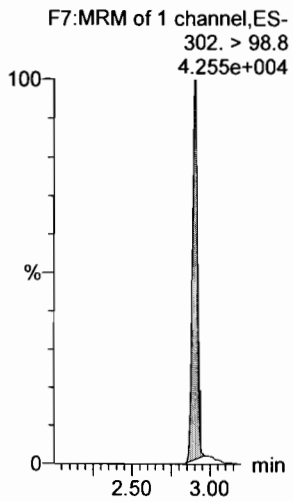

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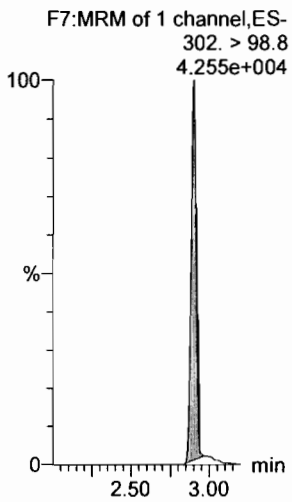

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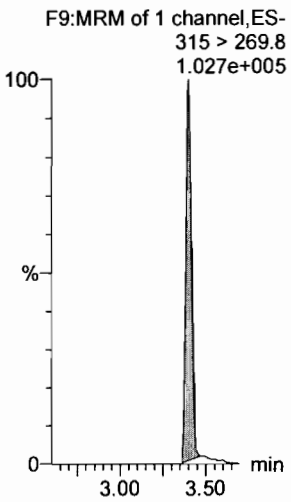

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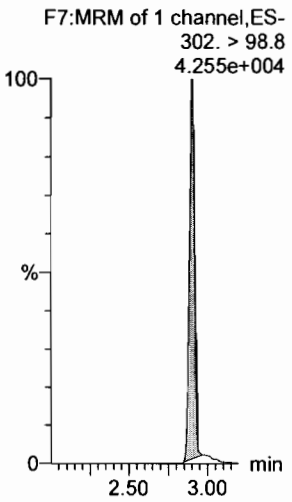

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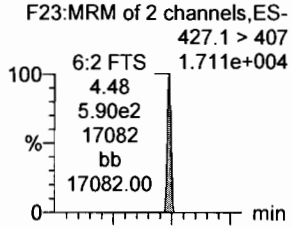
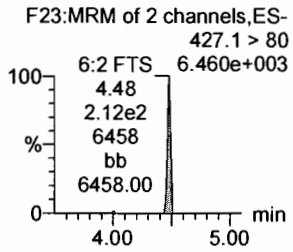
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_5, Date: 23-Feb-2018, Time: 21:22:01, ID: ST180223M2-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

6:2 FTS





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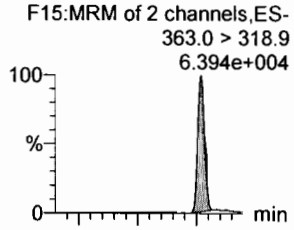

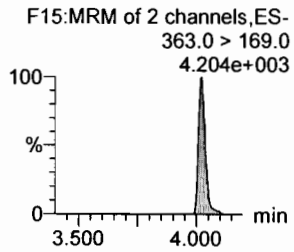

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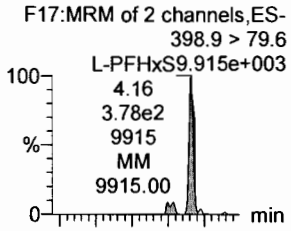

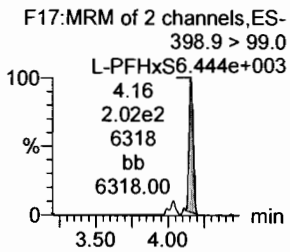

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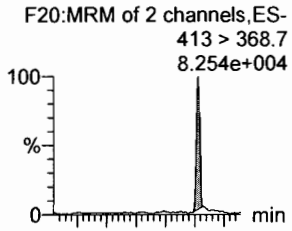

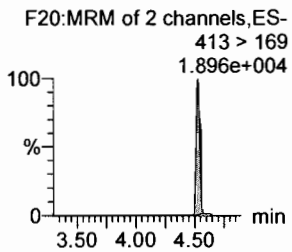

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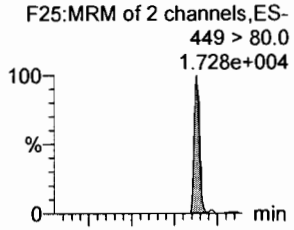

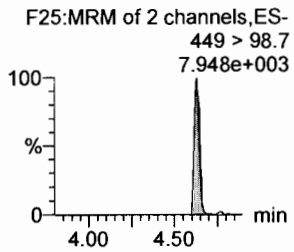

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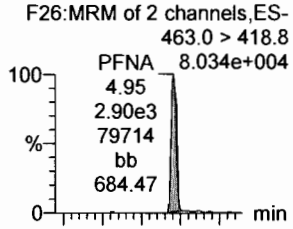

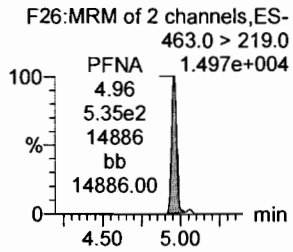

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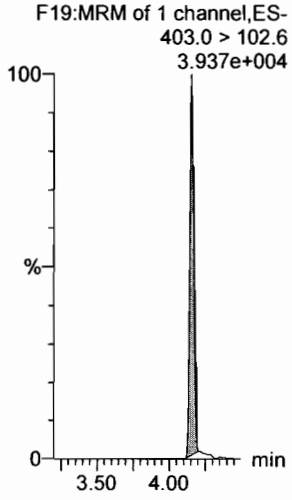

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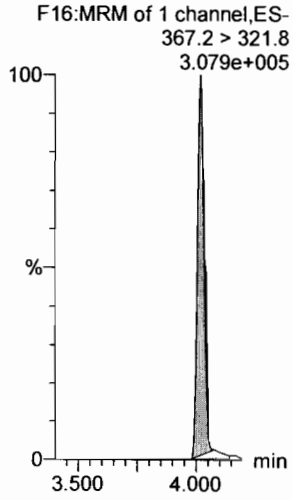

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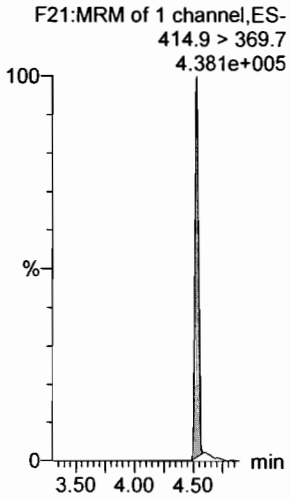

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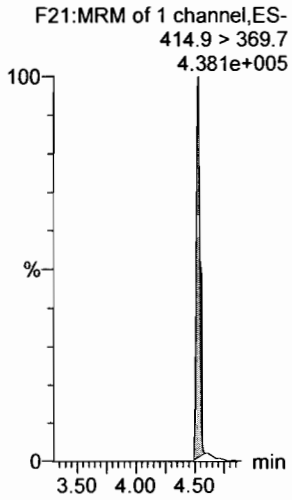

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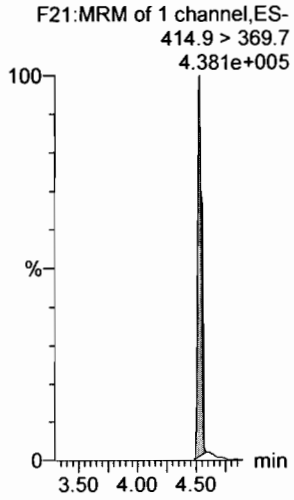

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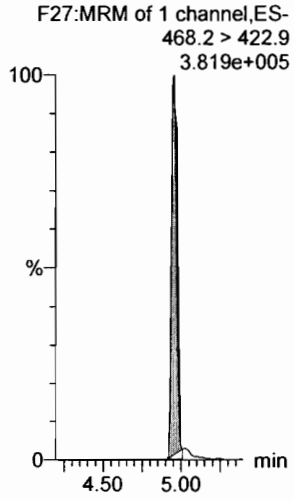

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Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
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Name: 180223M2_5, Date: 23-Feb-2018, Time: 21:22:01, ID: ST180223M2-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

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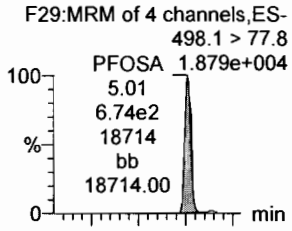

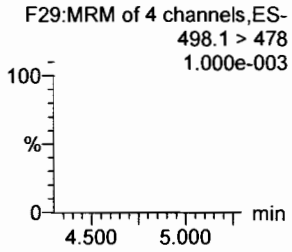

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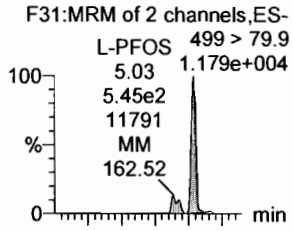

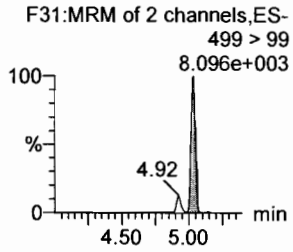

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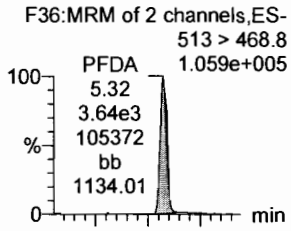

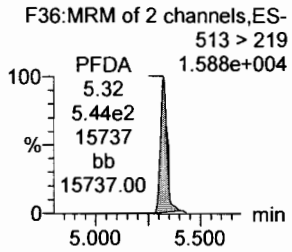

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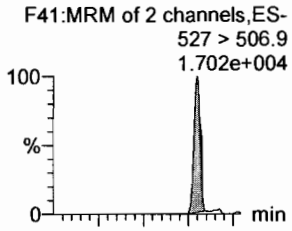

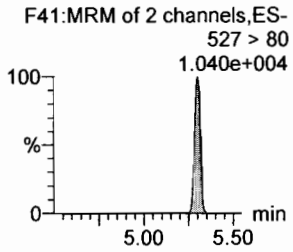

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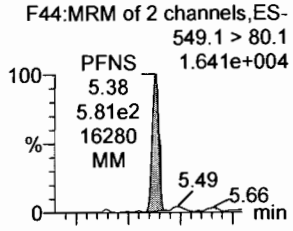

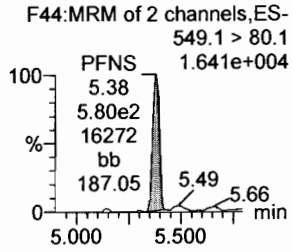

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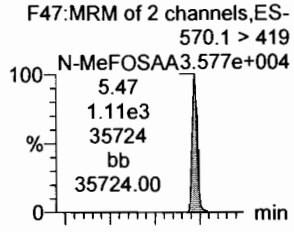

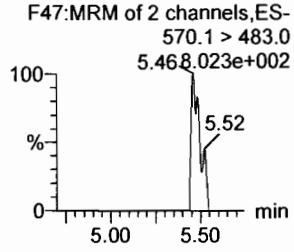

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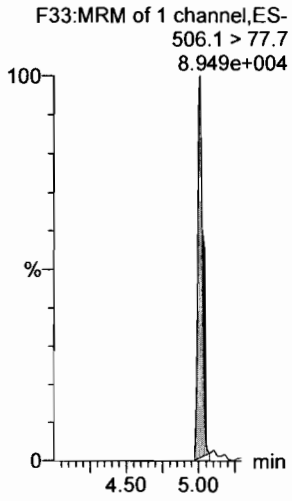

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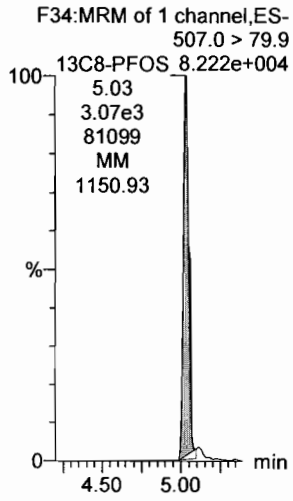

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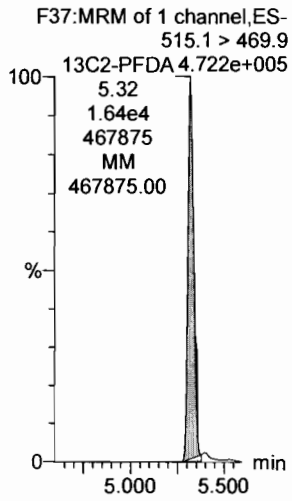

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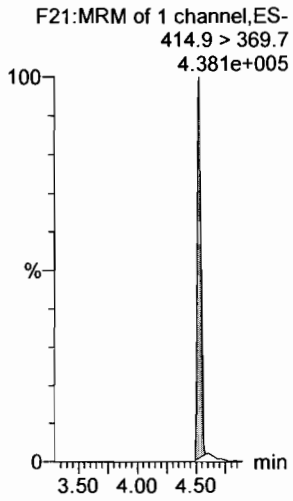

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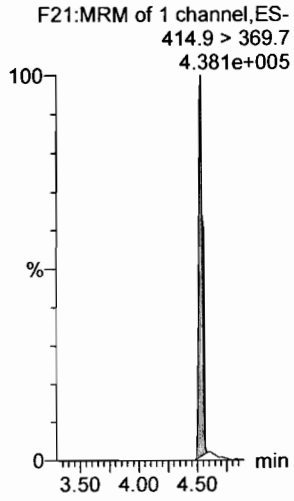

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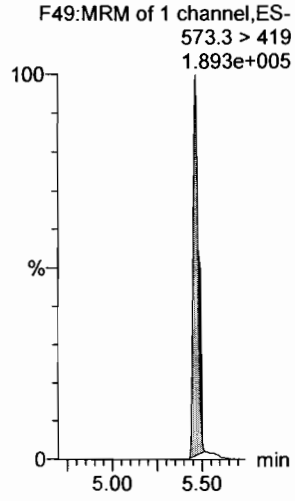

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Name: 180223M2_5, Date: 23-Feb-2018, Time: 21:22:01, ID: ST180223M2-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

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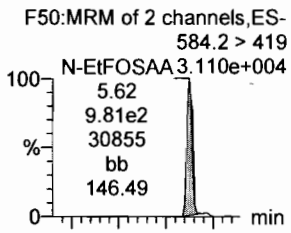

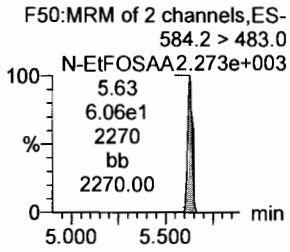

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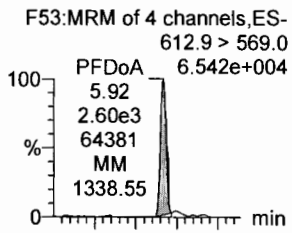

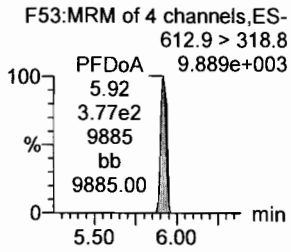

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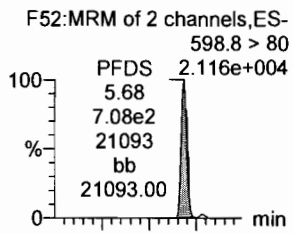

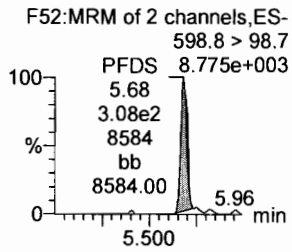

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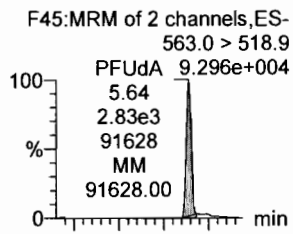

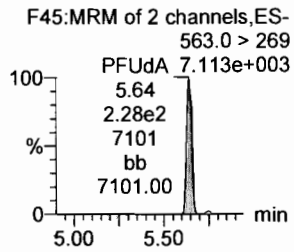

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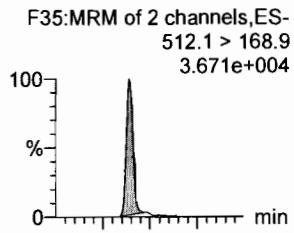

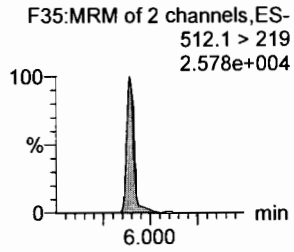

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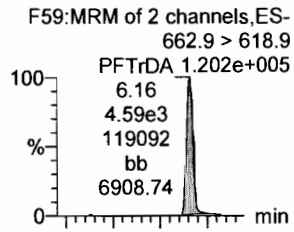
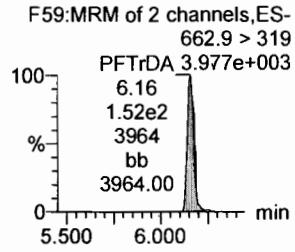
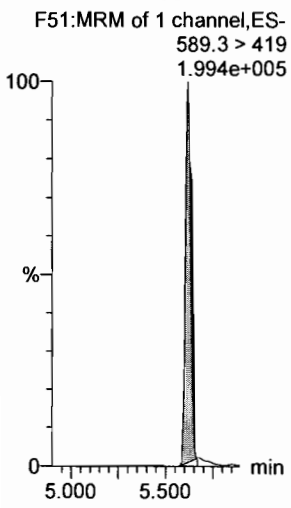
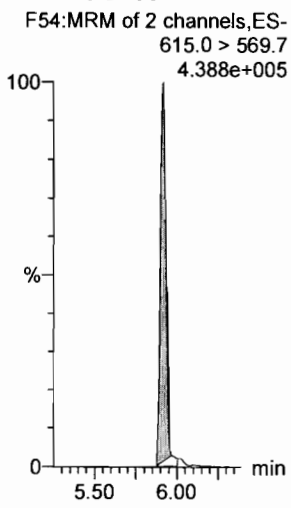




d5-N-EtFOSAA



13C2-PFDoA



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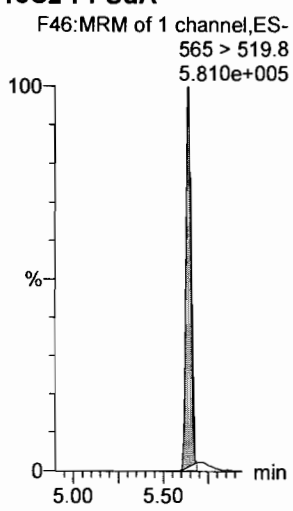
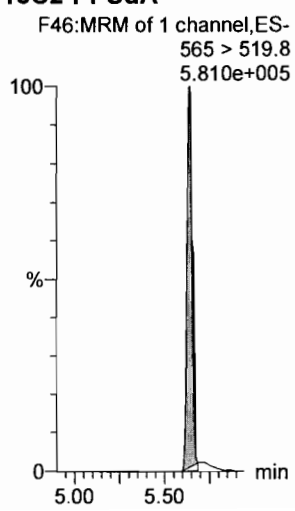


13C2-PFUdA



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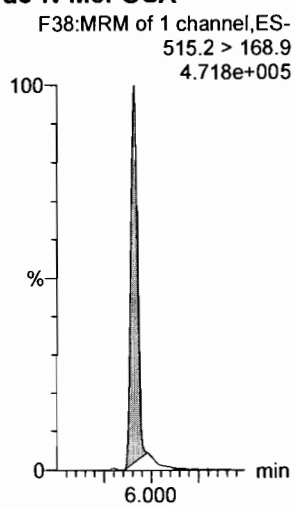

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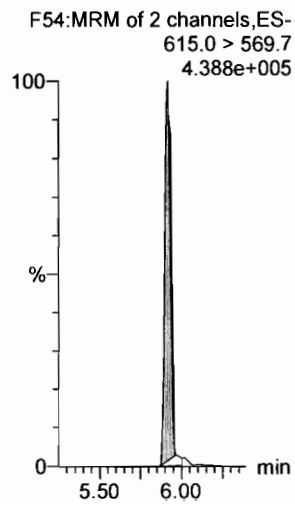

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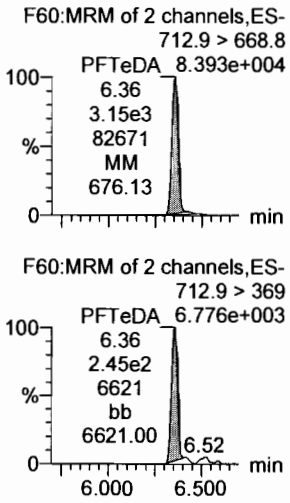
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_5, Date: 23-Feb-2018, Time: 21:22:01, ID: ST180223M2-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

PFTeDA



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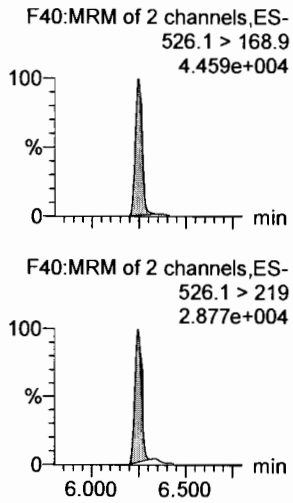

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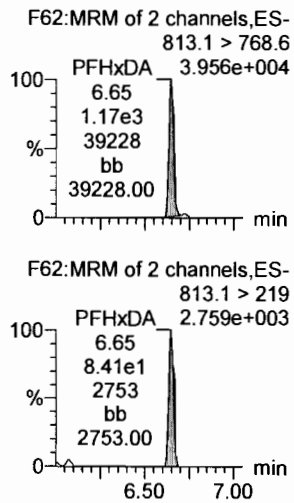
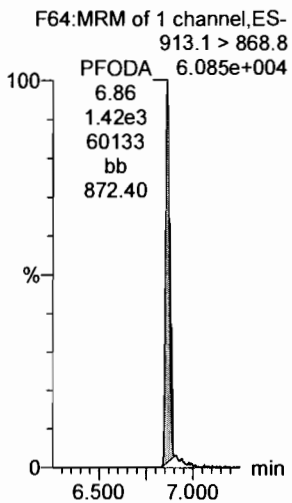


PFODA



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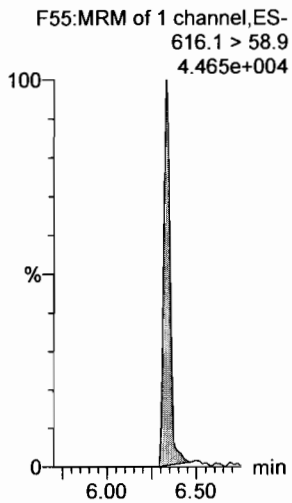
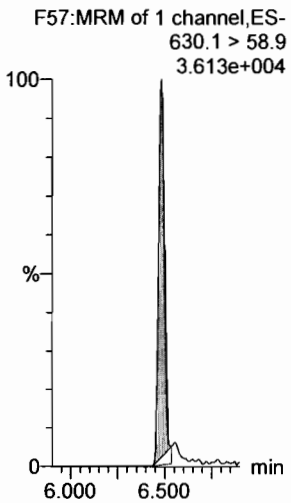


N-EtFOSE



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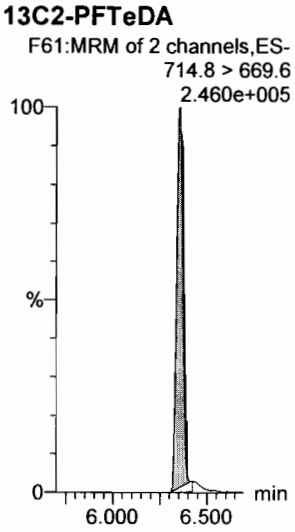
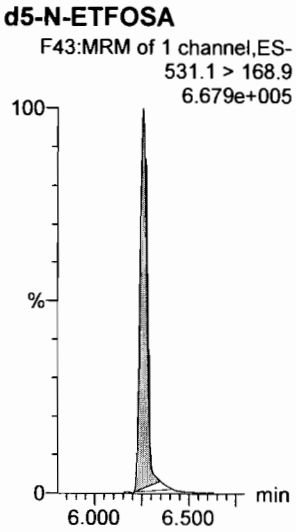


d5-N-ETFOSA



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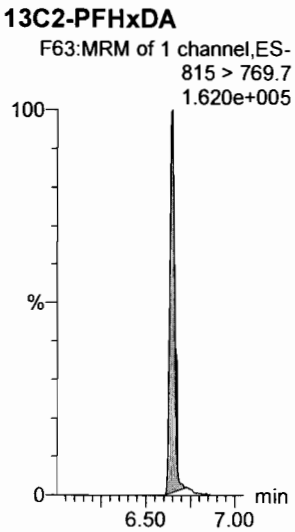

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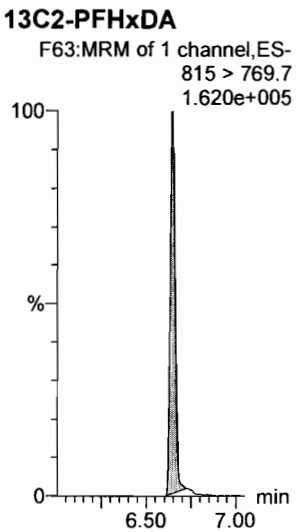

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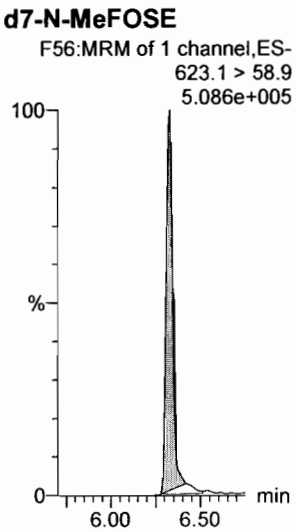

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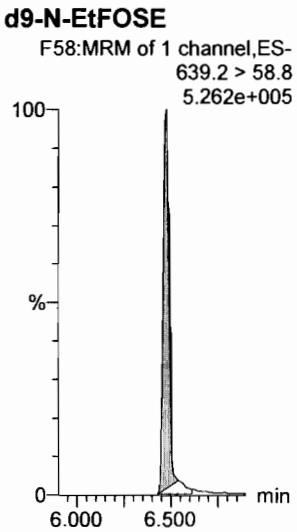

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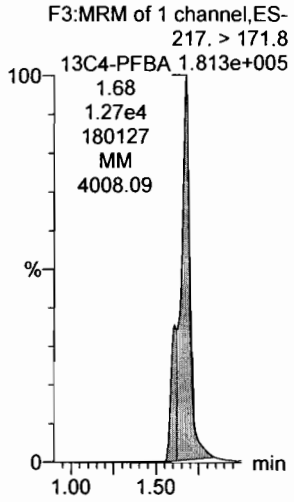
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_5, Date: 23-Feb-2018, Time: 21:22:01, ID: ST180223M2-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

13C4-PFBA



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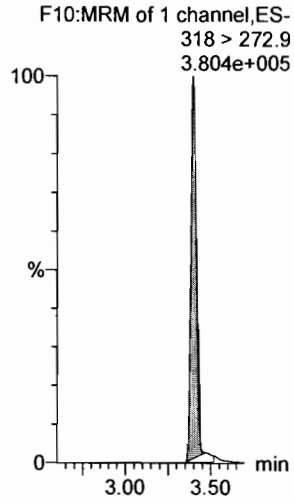
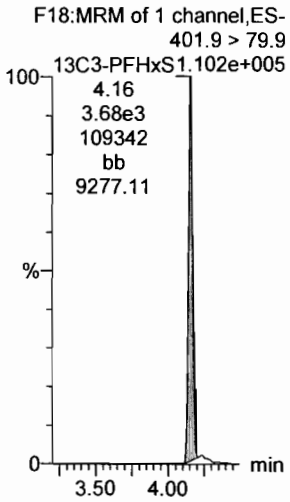


13C3-PFHxS



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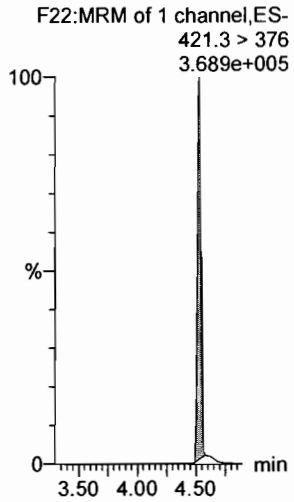

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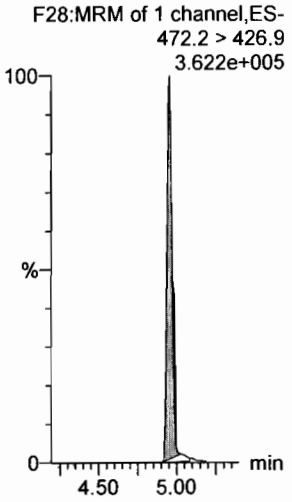
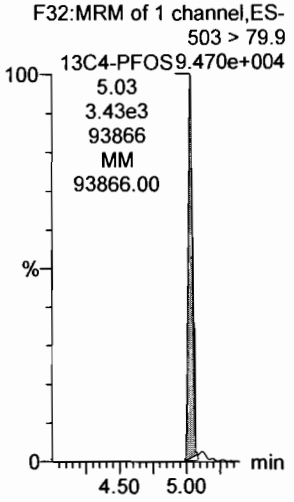


13C4-PFOS



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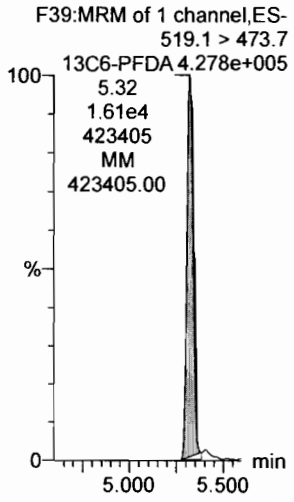
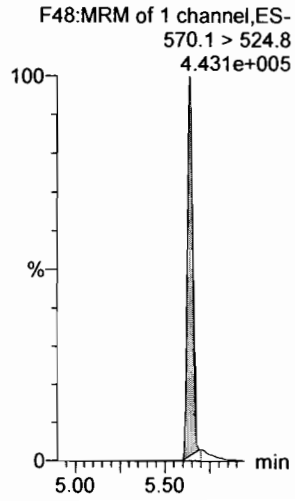


13C7-PFUdA



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Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
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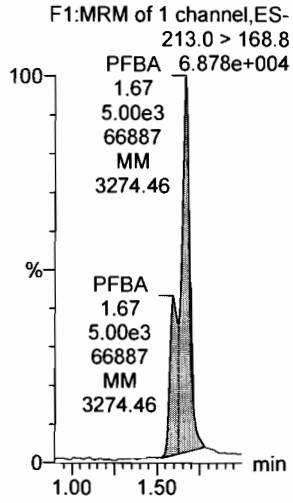
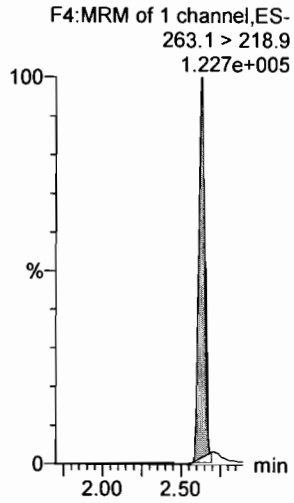
Name: 180223M2_6, Date: 23-Feb-2018, Time: 21:33:31, ID: ST180223M2-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

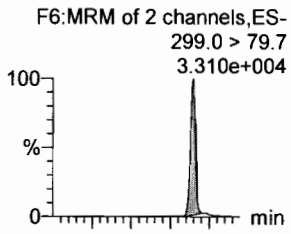
PFBA

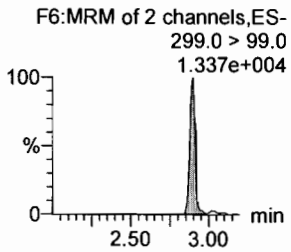


PFPeA

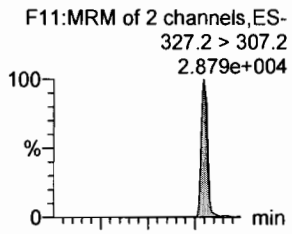


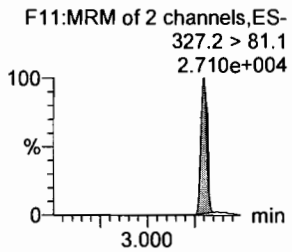
PFBS



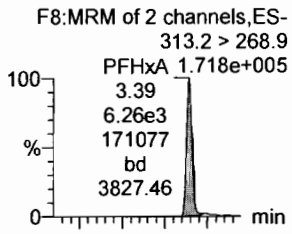


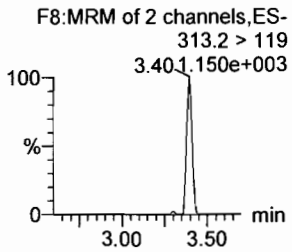
4:2 FTS



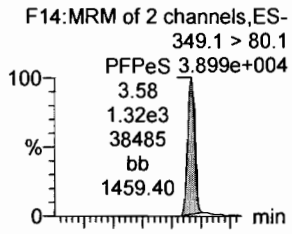


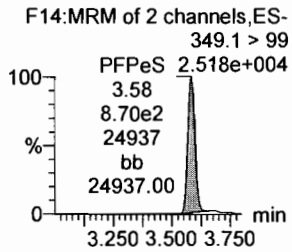
PFHxA



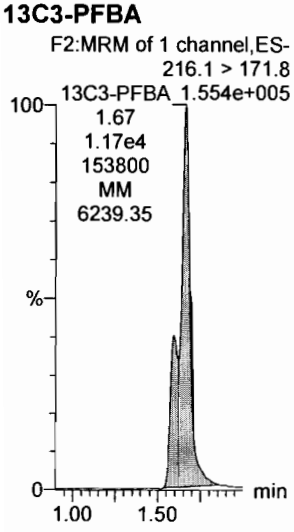


PFPeS





13C3-PFBA



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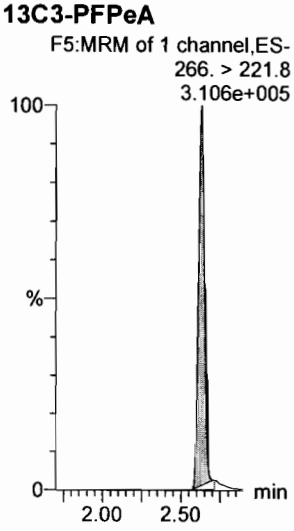

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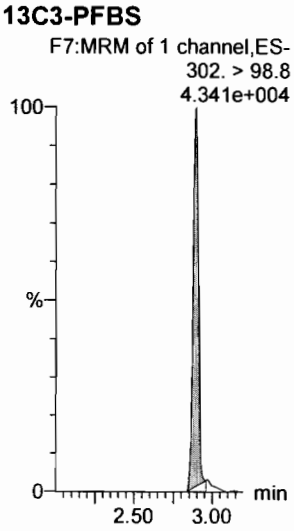
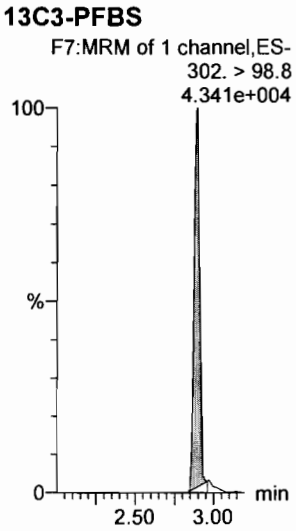


13C3-PFBS



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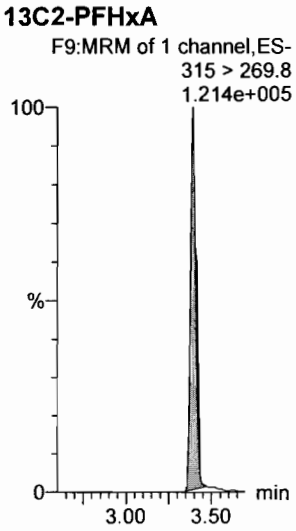
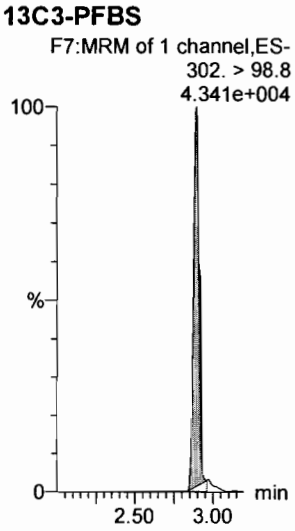


13C3-PFBS



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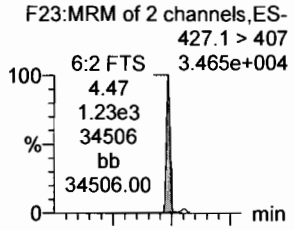
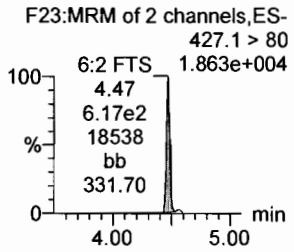
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

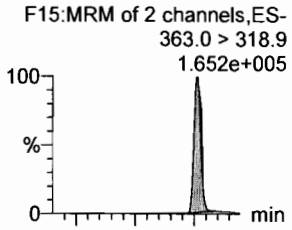
Name: 180223M2_6, Date: 23-Feb-2018, Time: 21:33:31, ID: ST180223M2-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

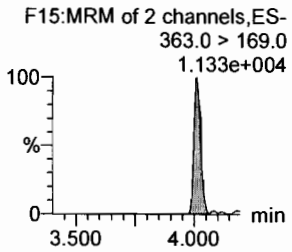
6:2 FTS



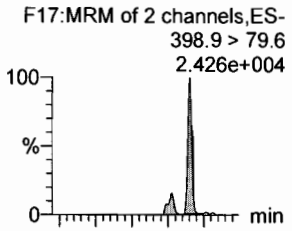


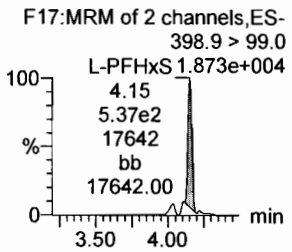
PFHpA



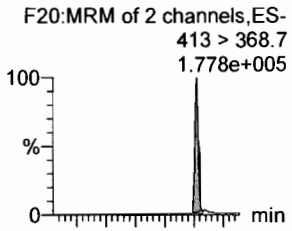


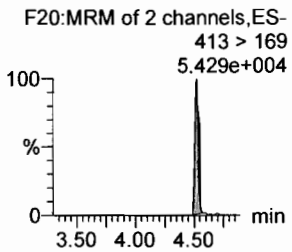
L-PFHxS





L-PFOA





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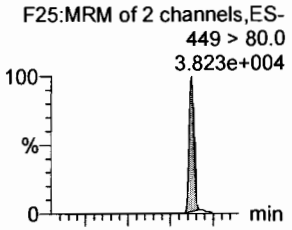

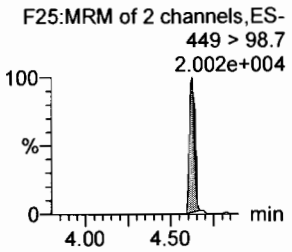

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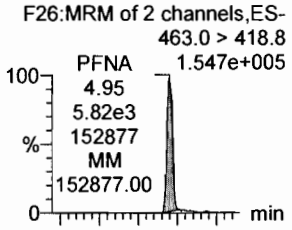
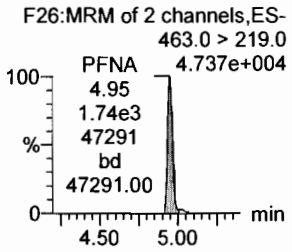
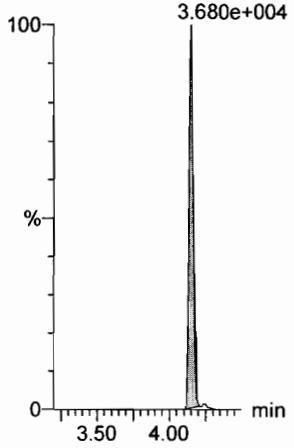
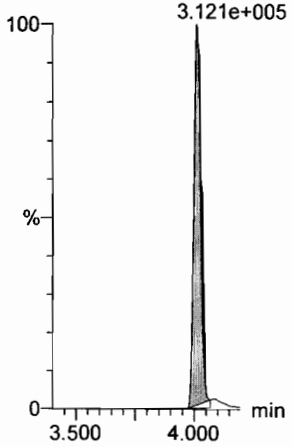




18O2-PFHxS



13C4-PFHpA



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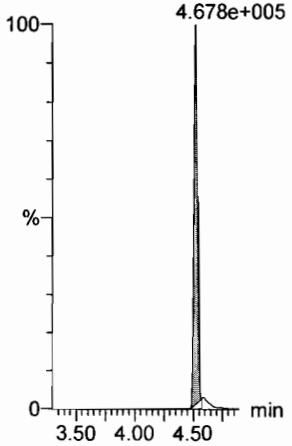

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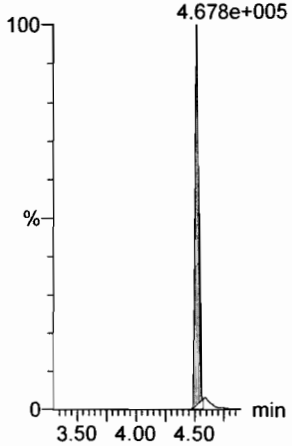

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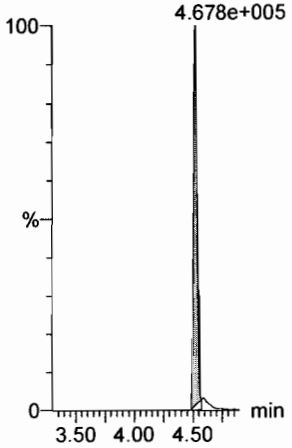

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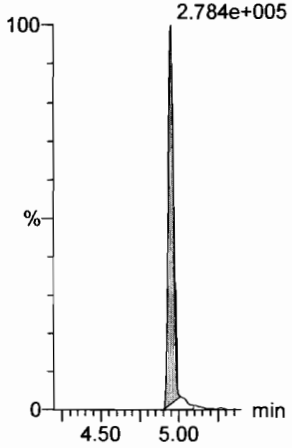

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Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_6, Date: 23-Feb-2018, Time: 21:33:31, ID: ST180223M2-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

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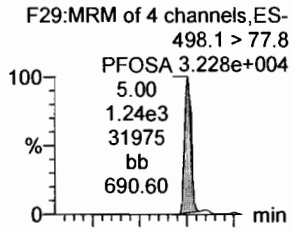

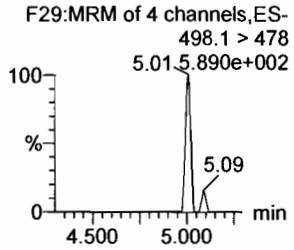

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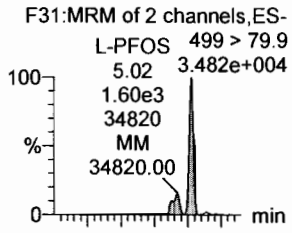

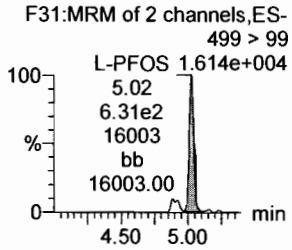

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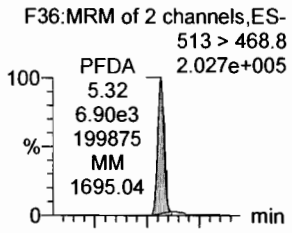
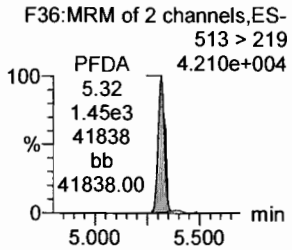
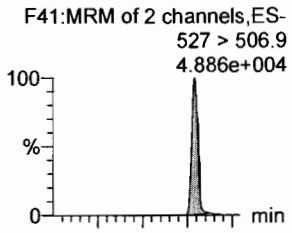
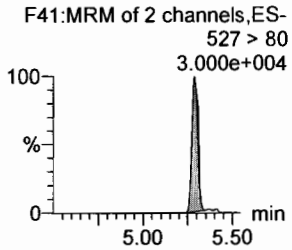




8:2 FTS





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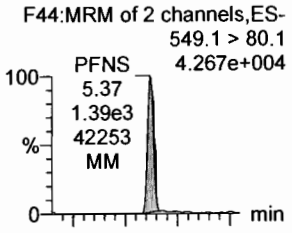

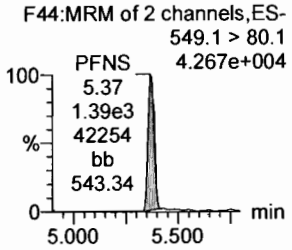

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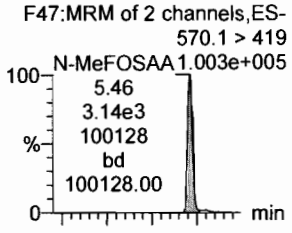

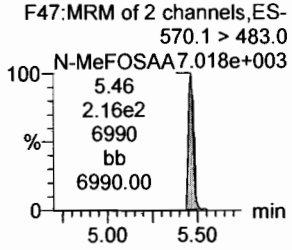

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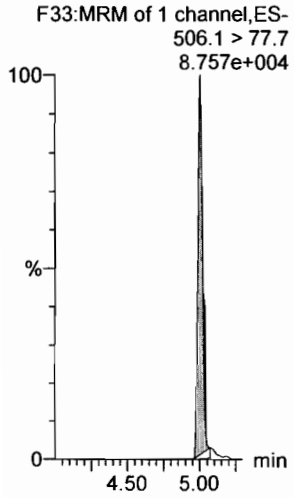

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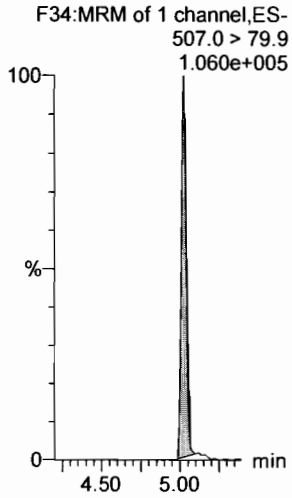

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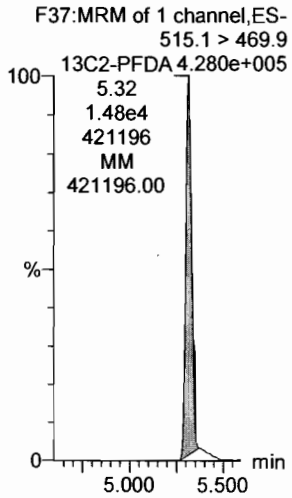

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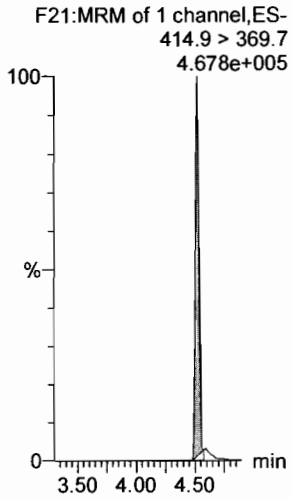

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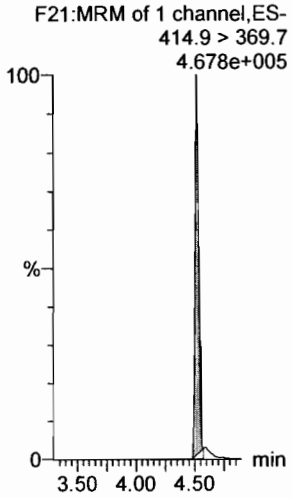

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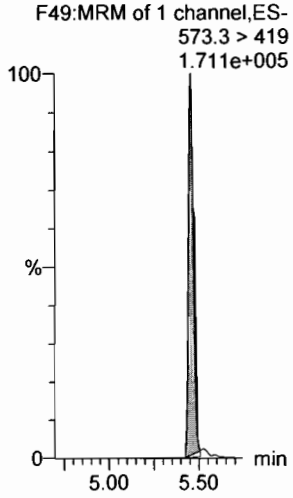

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Name: 180223M2_6, Date: 23-Feb-2018, Time: 21:33:31, ID: ST180223M2-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

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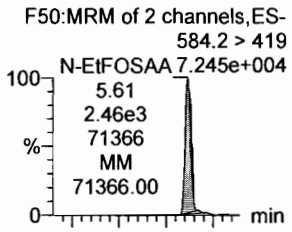
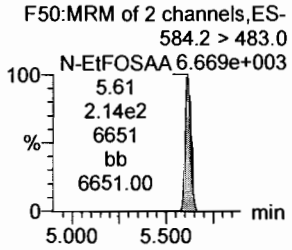
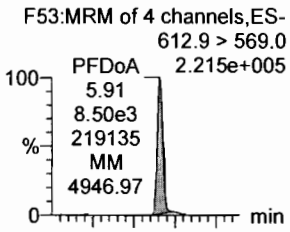
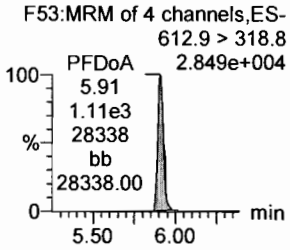




PFDoA





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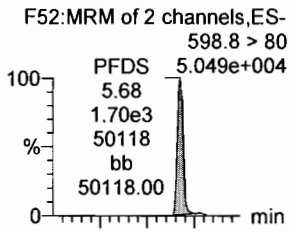

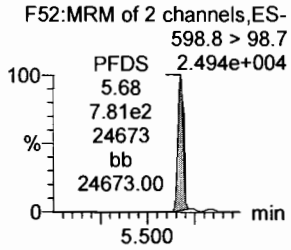

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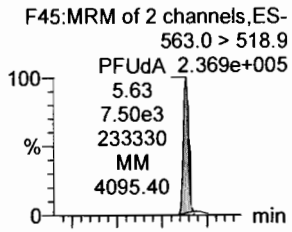

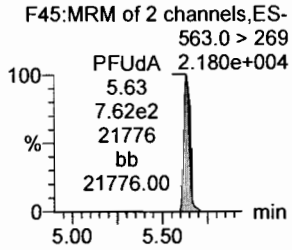

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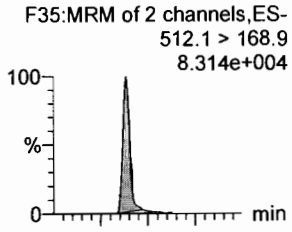

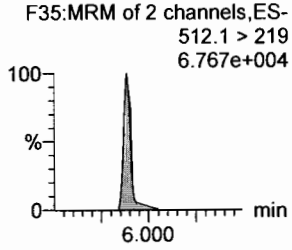

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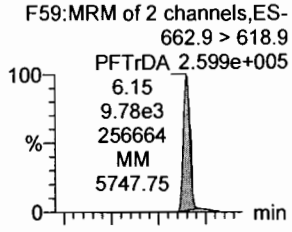
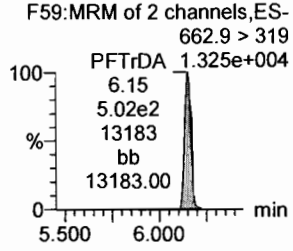
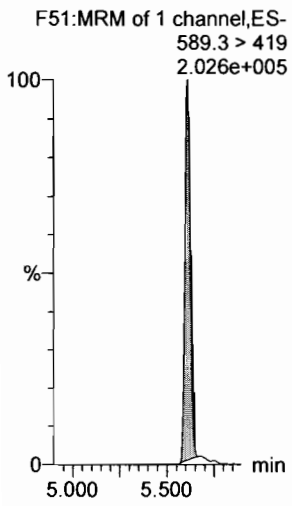




d5-N-EtFOSAA



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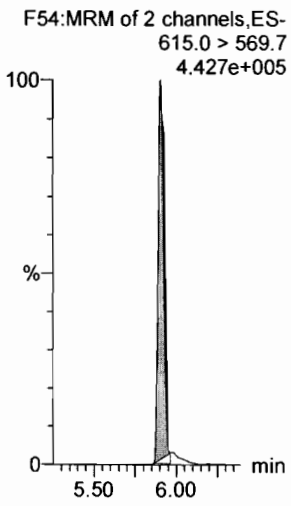

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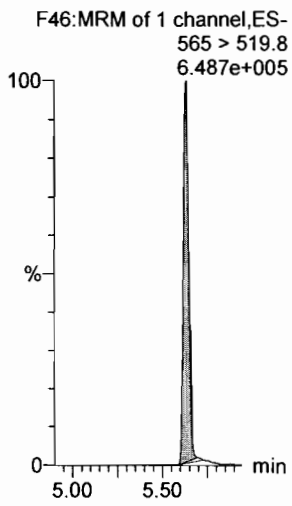

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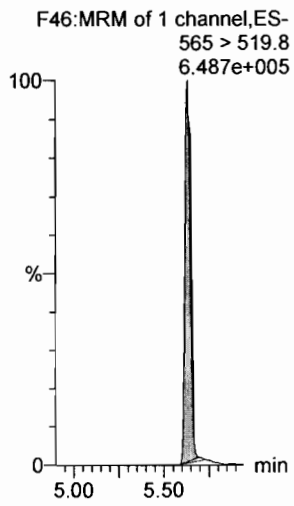

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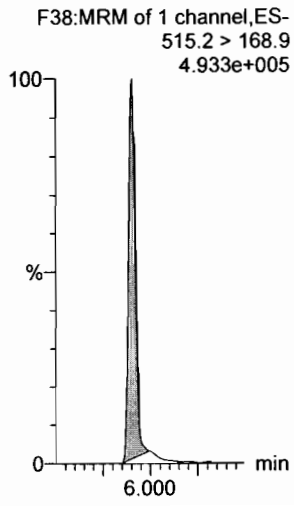

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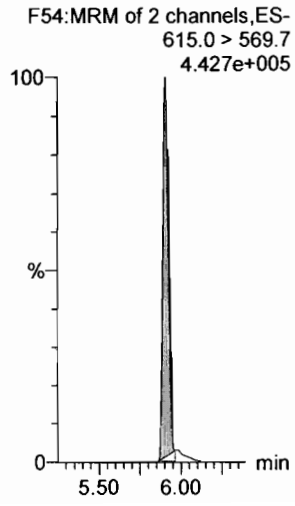

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Name: 180223M2_6, Date: 23-Feb-2018, Time: 21:33:31, ID: ST180223M2-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

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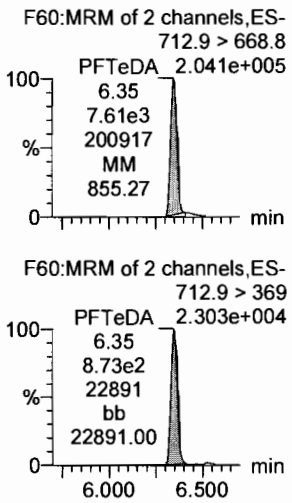

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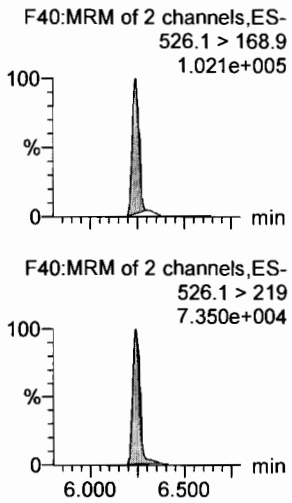

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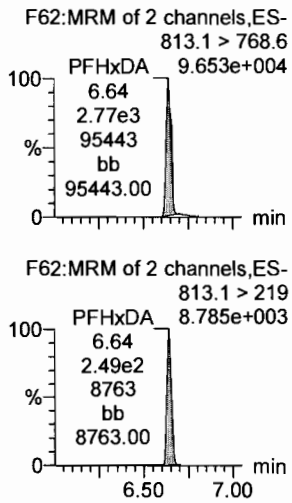
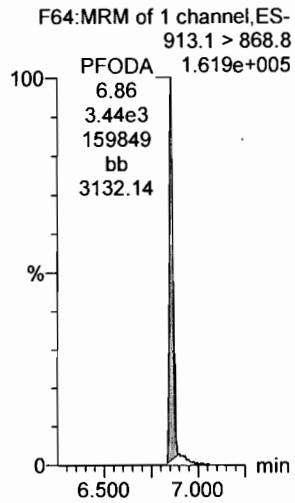
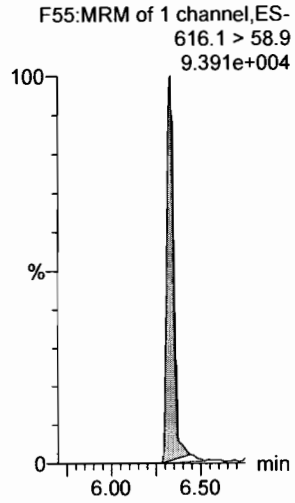


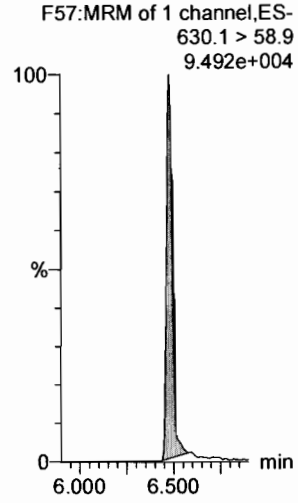
PFODA



N-MeFOSE



N-EtFOSE



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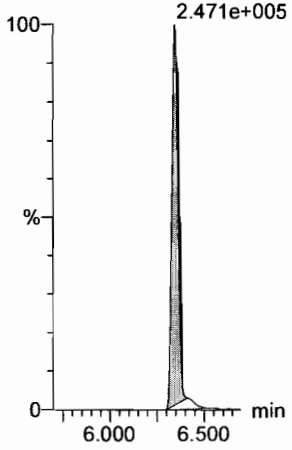
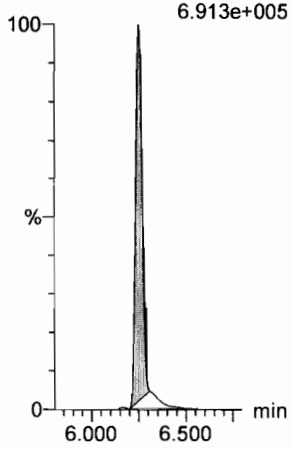
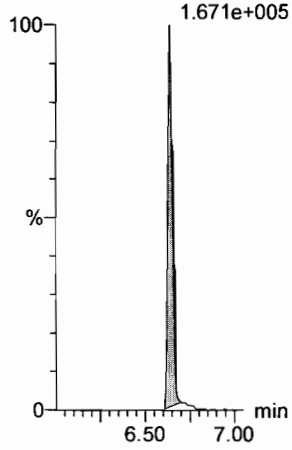


d5-N-ETFOSA



13C2-PFHxDA



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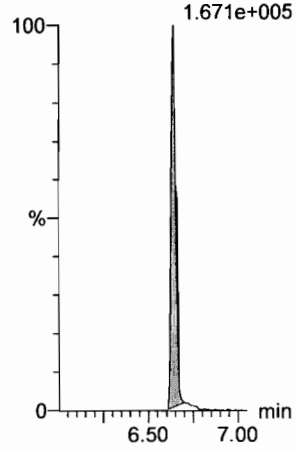
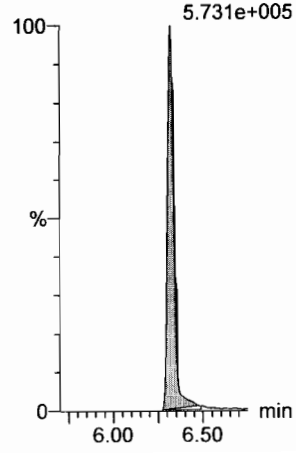
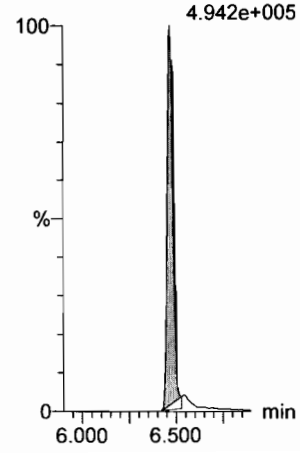


d7-N-MeFOSE



d9-N-EtFOSE

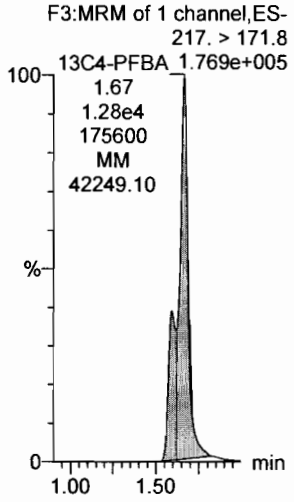


Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

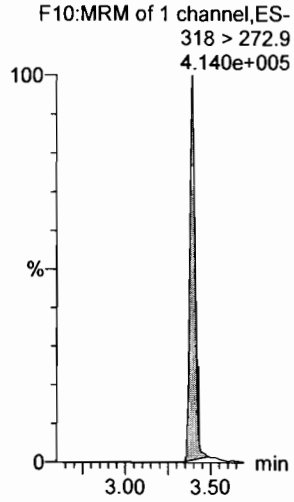
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_6, Date: 23-Feb-2018, Time: 21:33:31, ID: ST180223M2-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

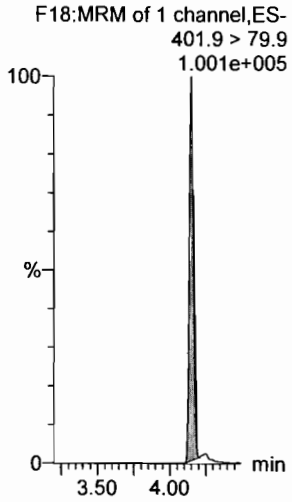
13C4-PFBA



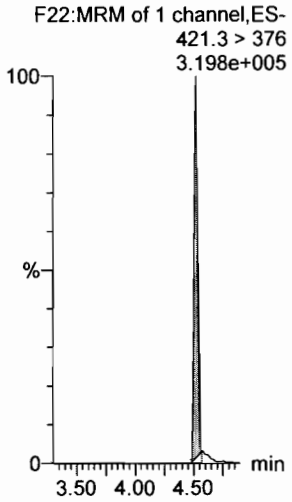
13C5-PFHxA



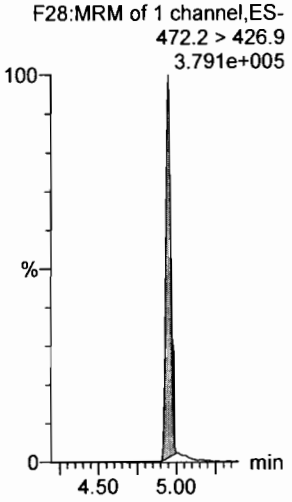
13C3-PFHxS



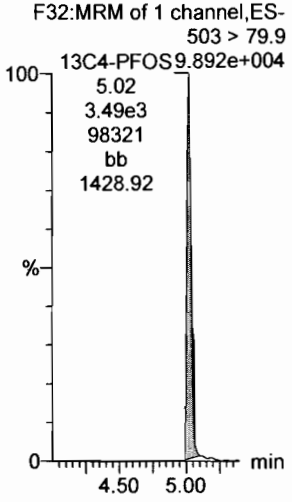
13C8-PFOA



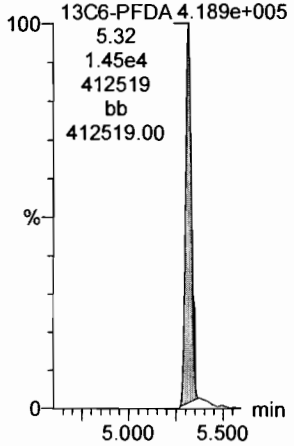
13C9-PFNA



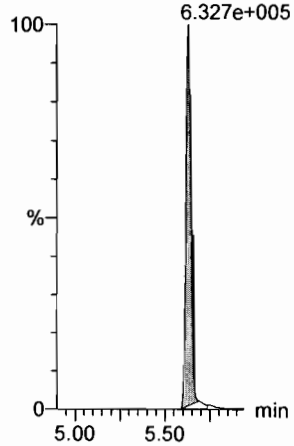
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
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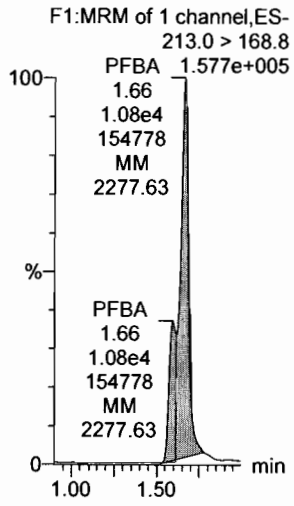
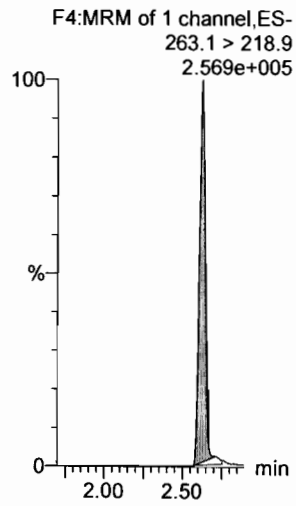
Name: 180223M2_7, Date: 23-Feb-2018, Time: 21:45:01, ID: ST180223M2-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

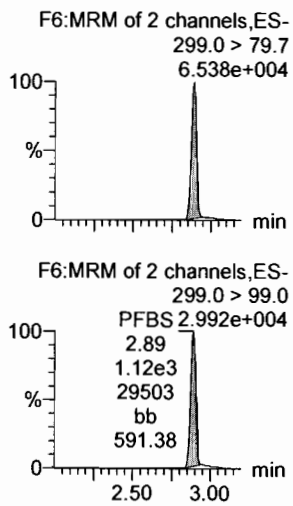
PFBA



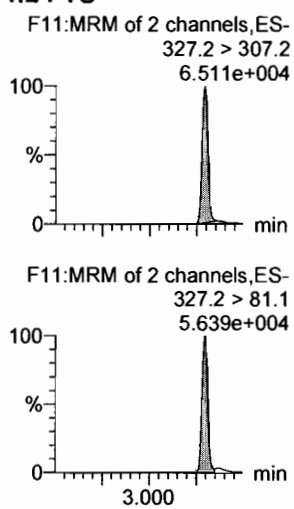
PFPeA



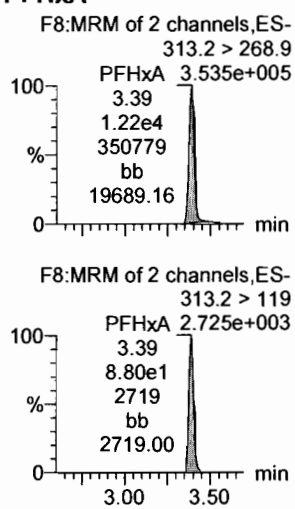
PFBS



4:2 FTS



PFHxA



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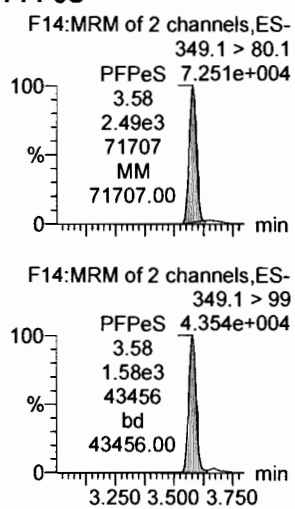
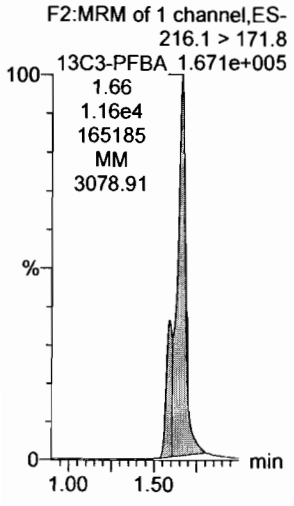


13C3-PFBA



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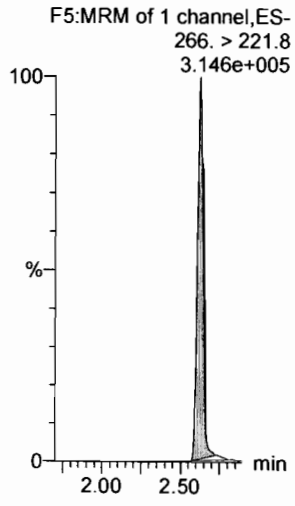
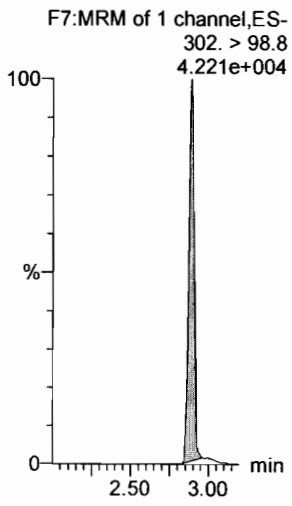
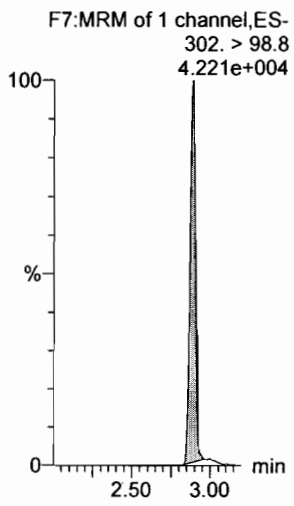


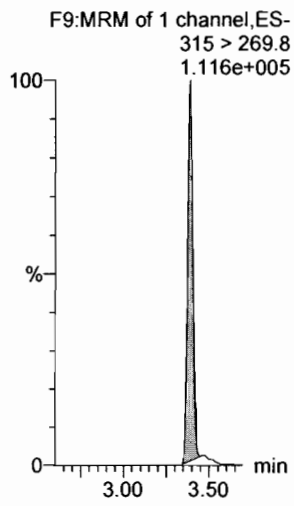
13C3-PFBS



13C3-PFBS



13C2-PFHxA



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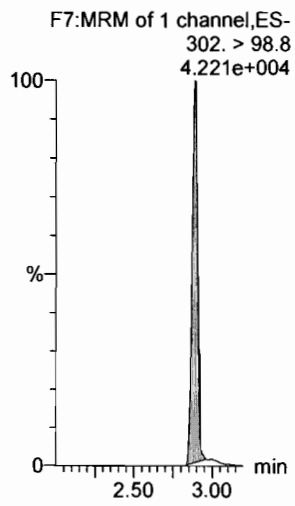

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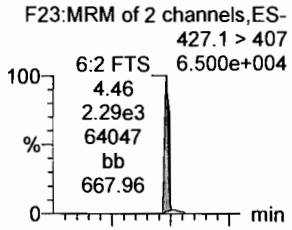
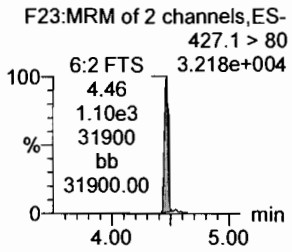
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

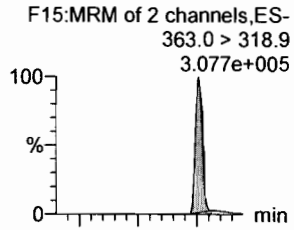
Name: 180223M2_7, Date: 23-Feb-2018, Time: 21:45:01, ID: ST180223M2-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

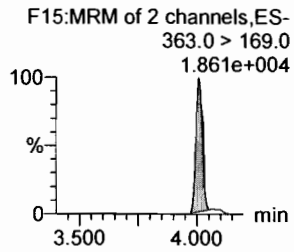
6:2 FTS



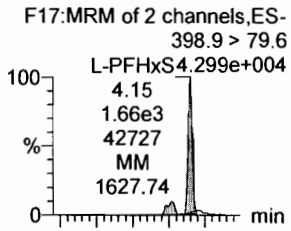


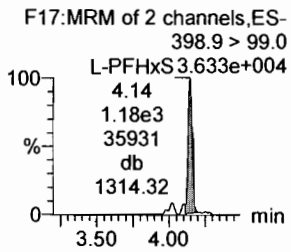
PFHpA



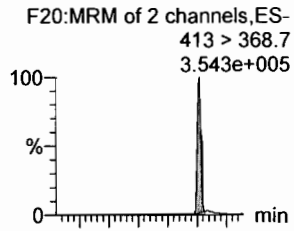


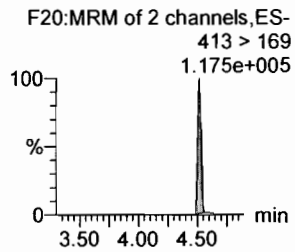
L-PFHxS



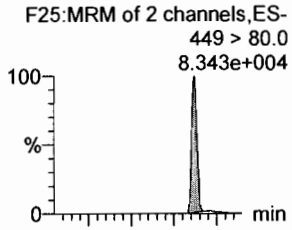


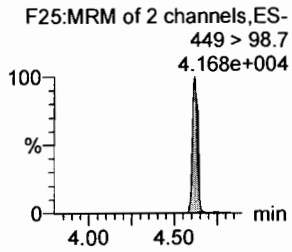
L-PFOA





PFHpS





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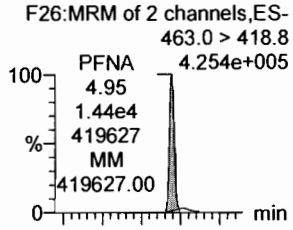
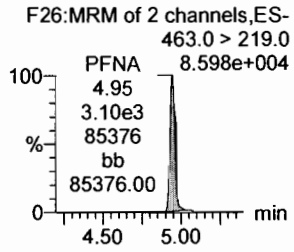
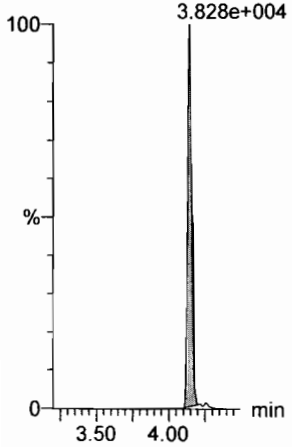
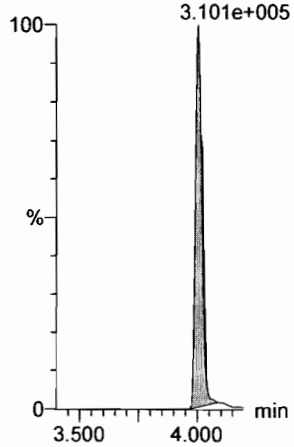




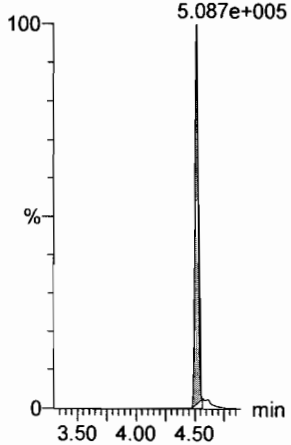
18O2-PFHxS



13C4-PFHpA



13C2-PFOA



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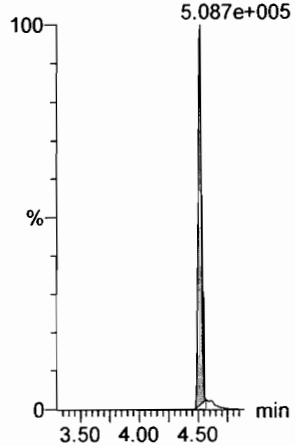

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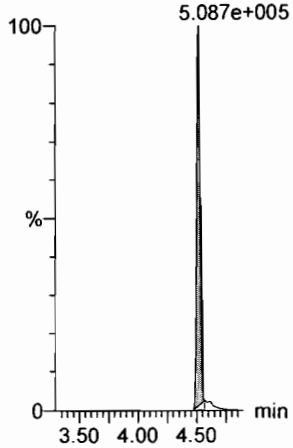
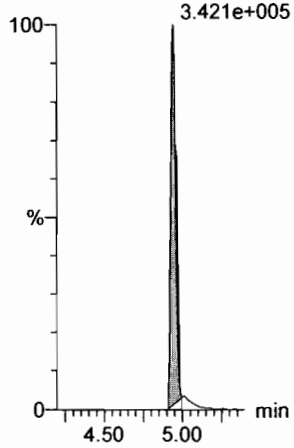


13C5-PFNA



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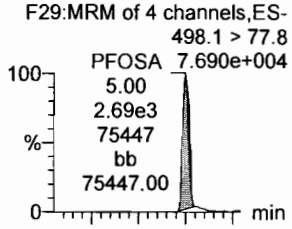
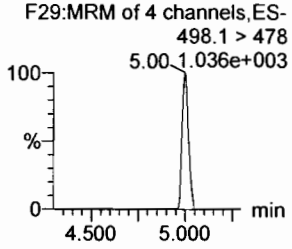
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

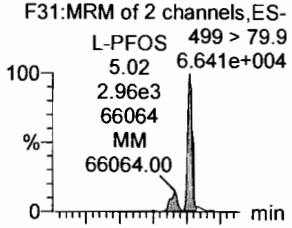
Name: 180223M2_7, Date: 23-Feb-2018, Time: 21:45:01, ID: ST180223M2-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

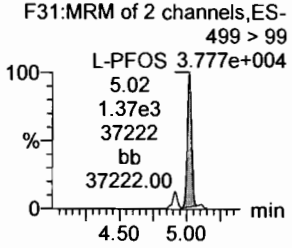
PFOSA



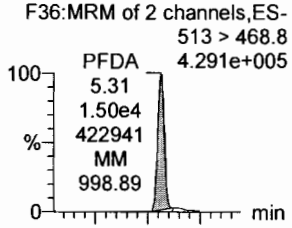


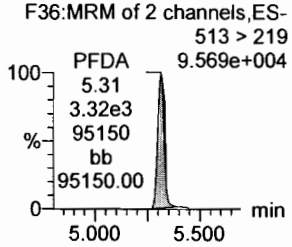
L-PFOS



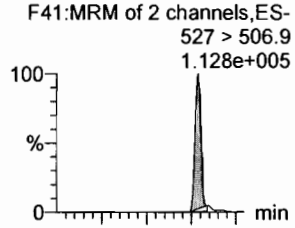


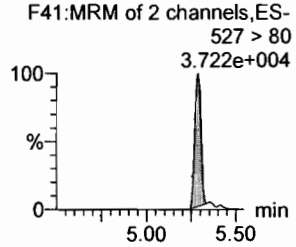
PFDA





8:2 FTS





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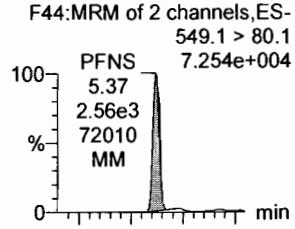
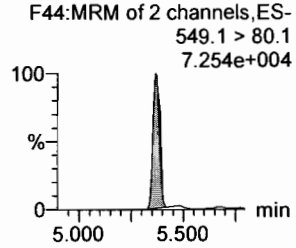
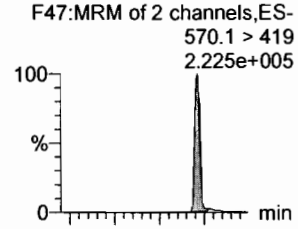
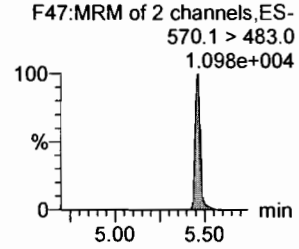


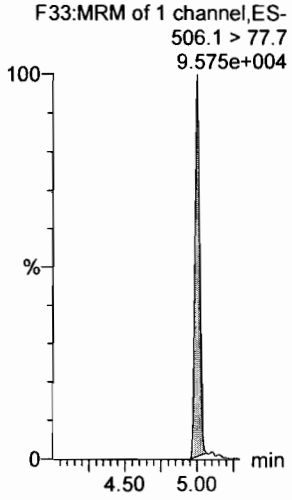


N-MeFOSAA

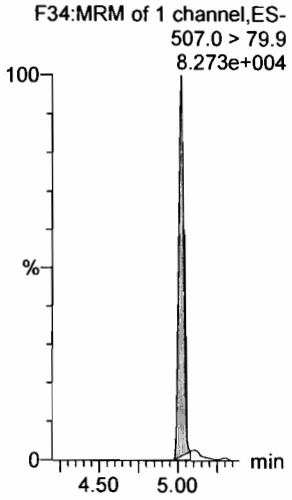




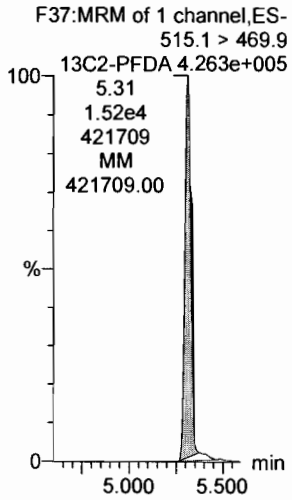
13C8-PFOSA



13C8-PFOS



13C2-PFDA



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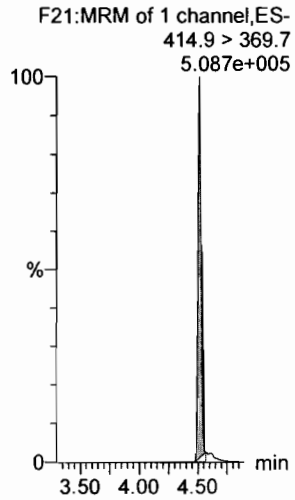

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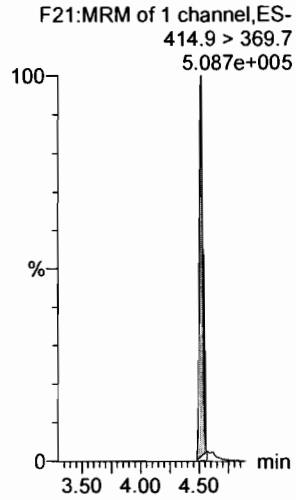
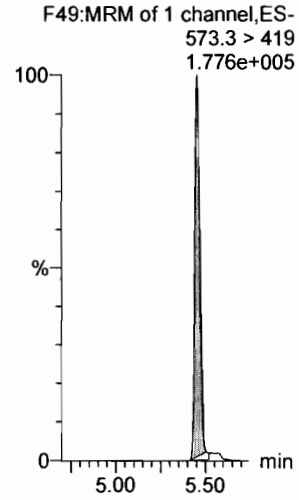


d3-N-MeFOSAA



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Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_7, Date: 23-Feb-2018, Time: 21:45:01, ID: ST180223M2-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

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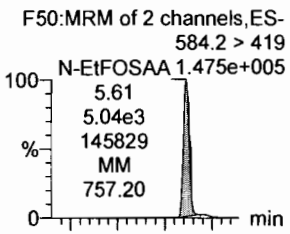
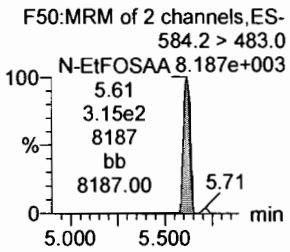
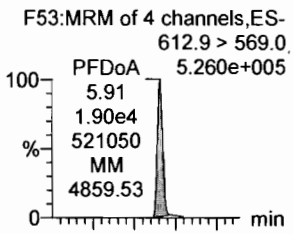
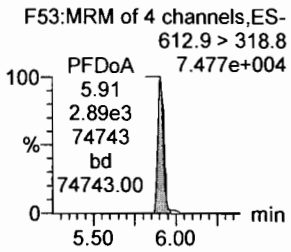




PFDoA





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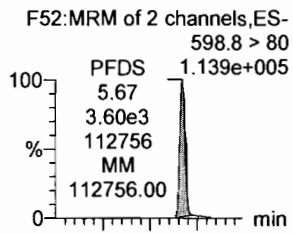

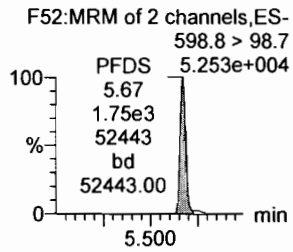

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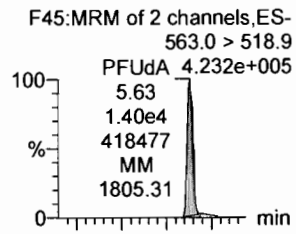

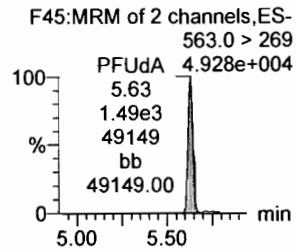

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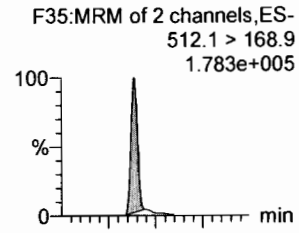

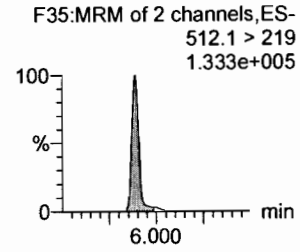

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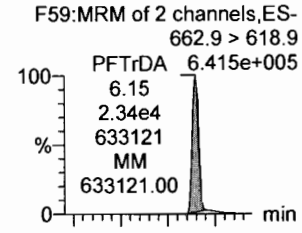
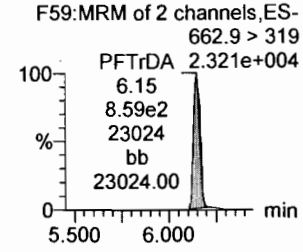
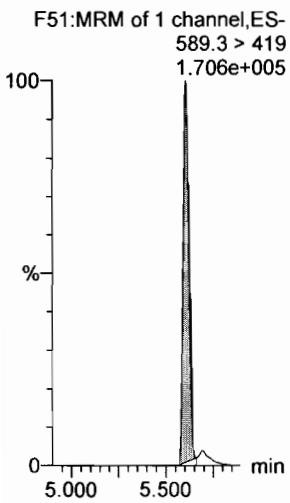
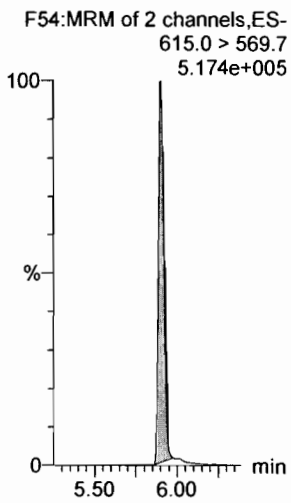




d5-N-EtFOSAA



13C2-PFDoA



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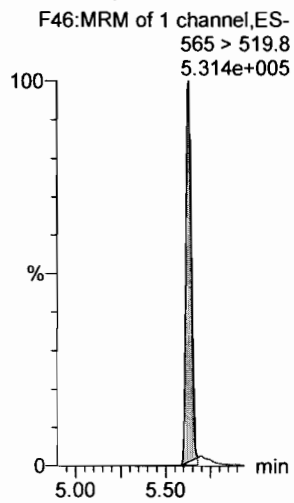

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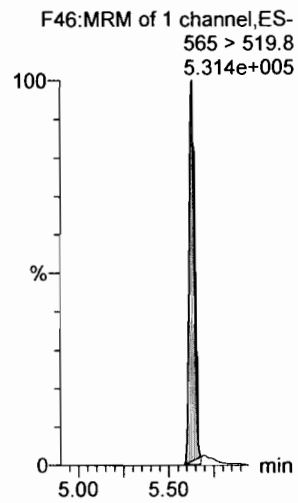

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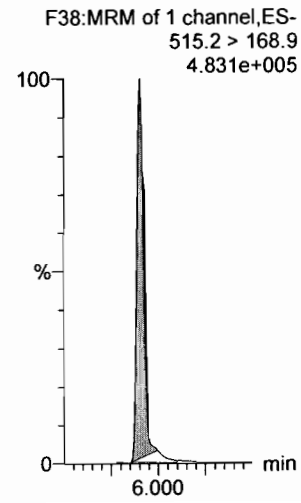

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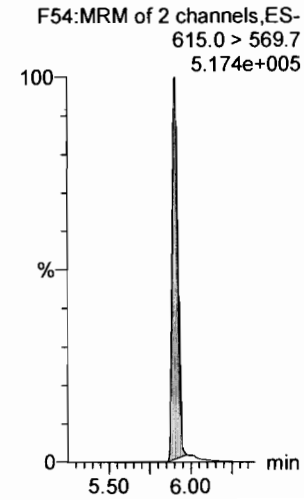

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Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_7, Date: 23-Feb-2018, Time: 21:45:01, ID: ST180223M2-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

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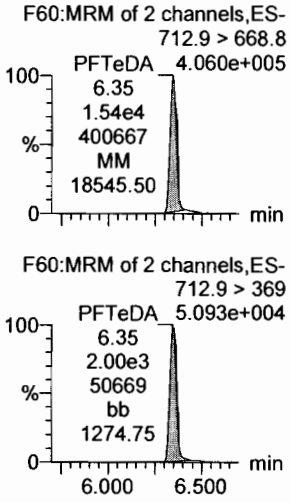

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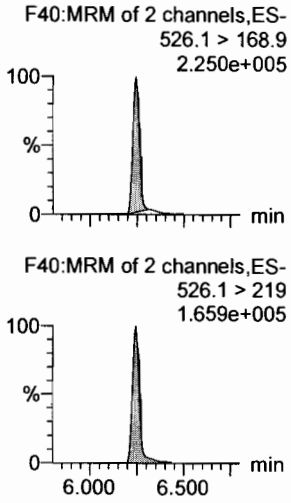
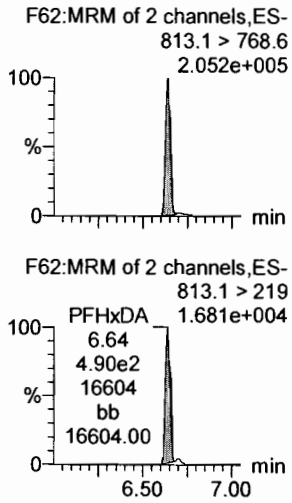
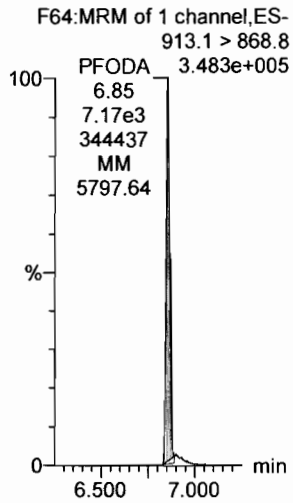


PFHxDA



PFODA



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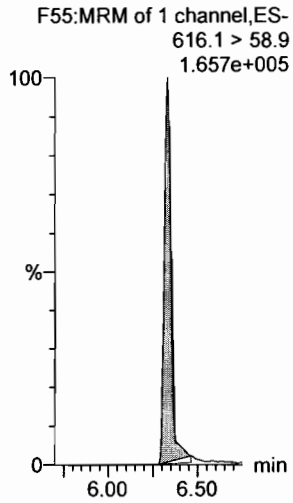
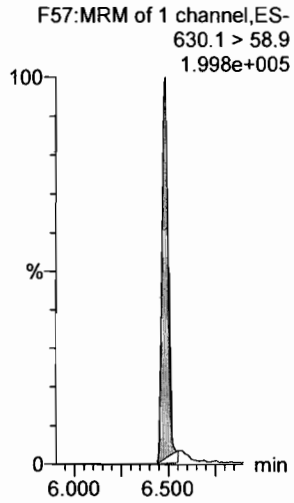


N-EtFOSE



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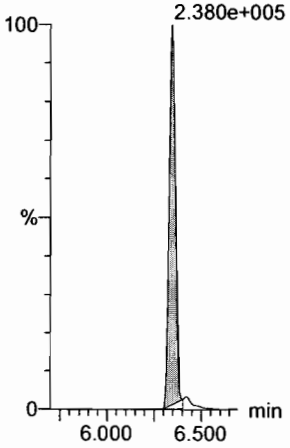
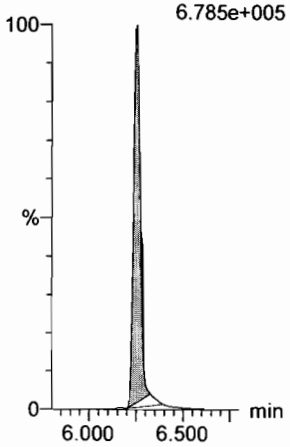


d5-N-ETFOSA



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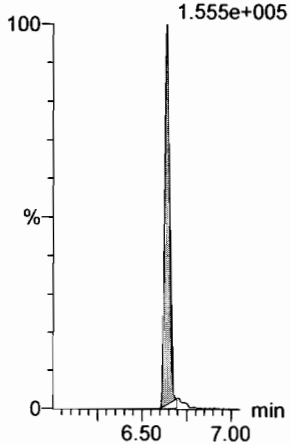

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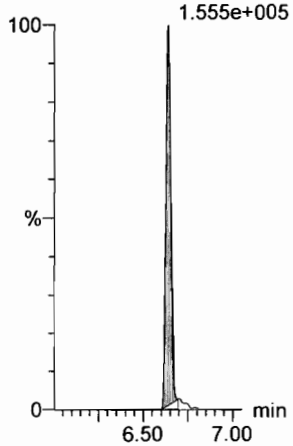

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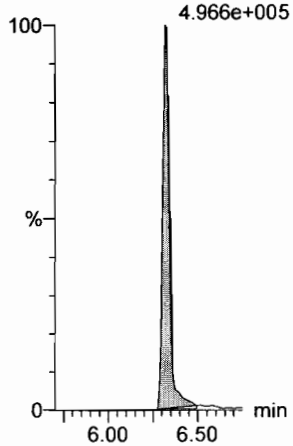
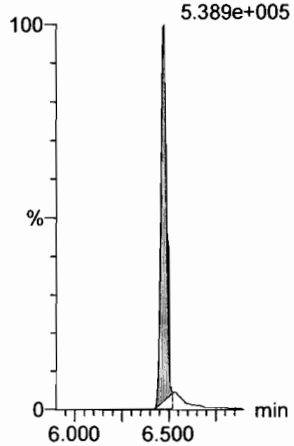


d9-N-EtFOSE



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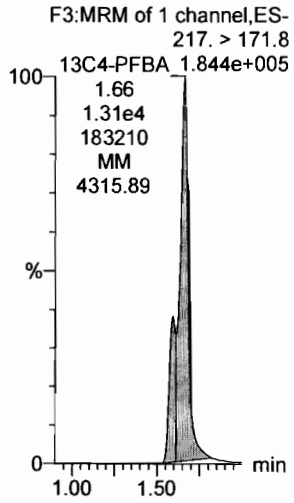
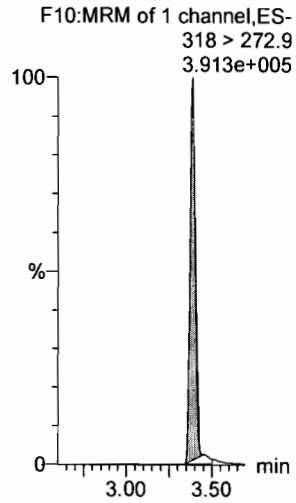
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_7, Date: 23-Feb-2018, Time: 21:45:01, ID: ST180223M2-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

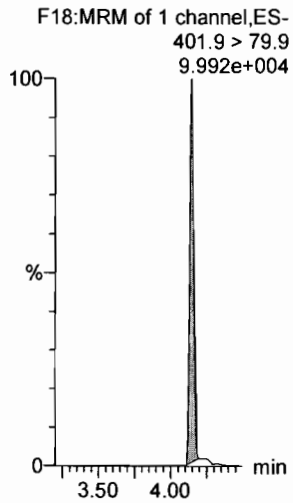
13C4-PFBA



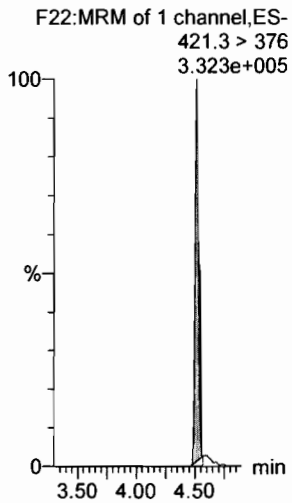
13C5-PFHxA



13C3-PFHxS



13C8-PFOA



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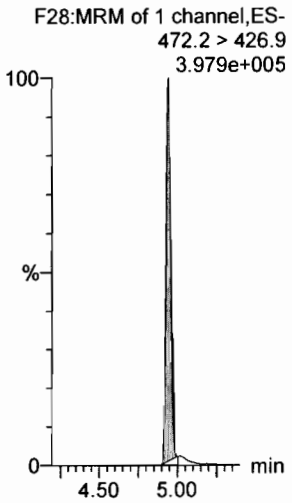

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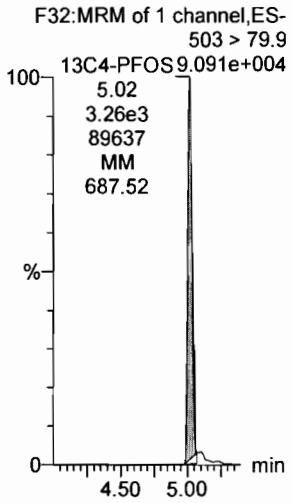

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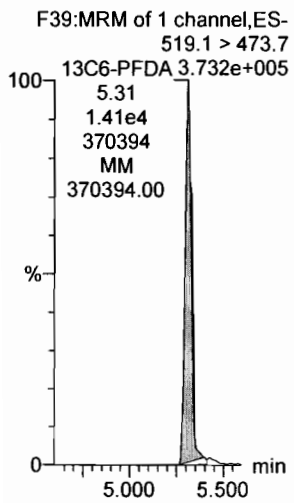
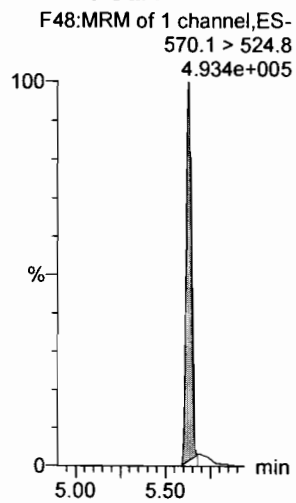


13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

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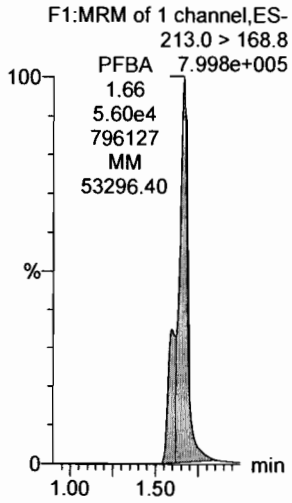
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_8, Date: 23-Feb-2018, Time: 21:56:28, ID: ST180223M2-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

PFBA



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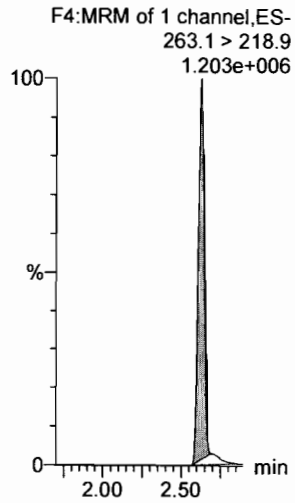

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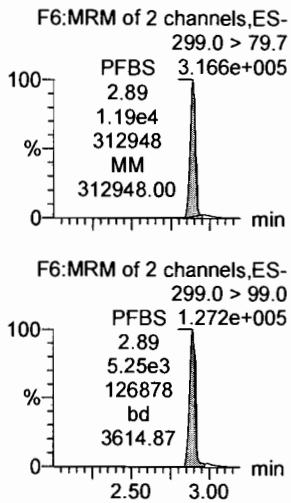
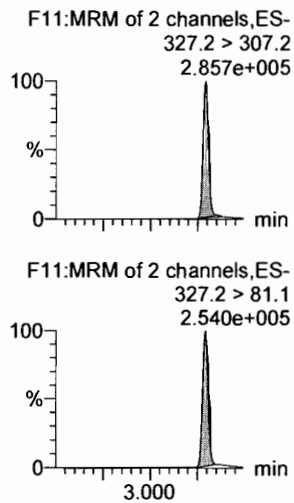


4:2 FTS



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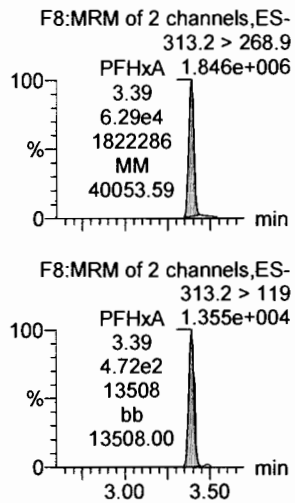

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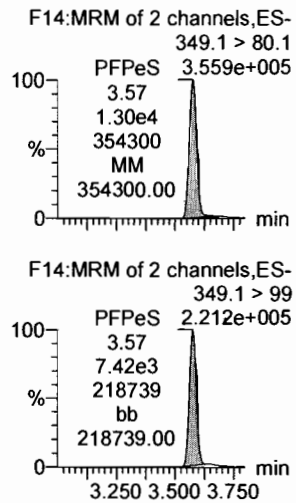
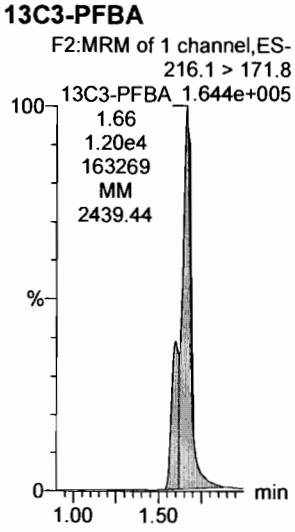


13C3-PFBA



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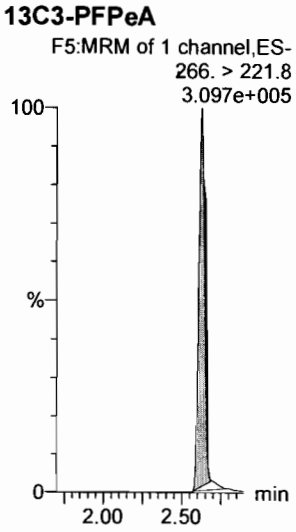

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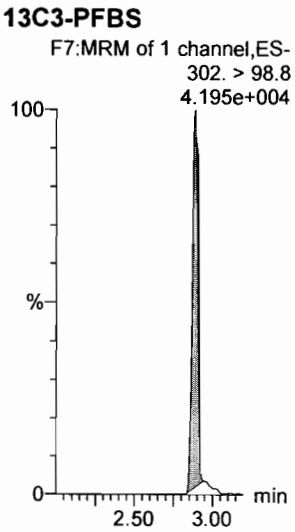

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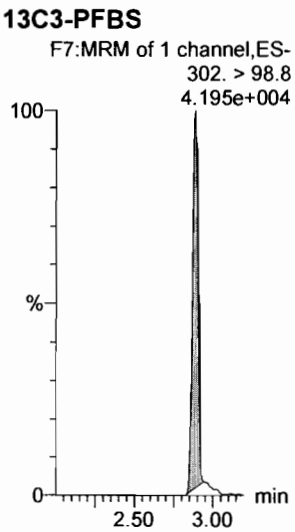

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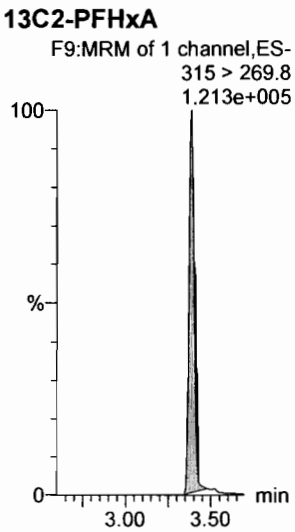

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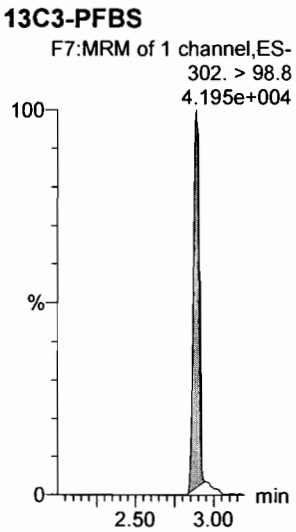

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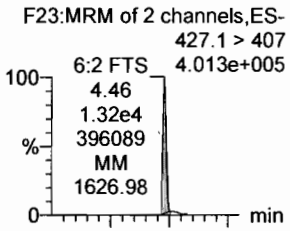
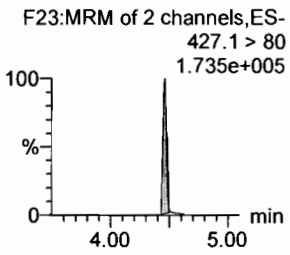
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_8, Date: 23-Feb-2018, Time: 21:56:28, ID: ST180223M2-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

6:2 FTS





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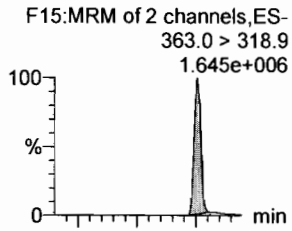

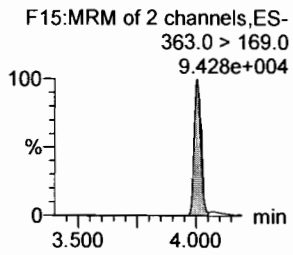

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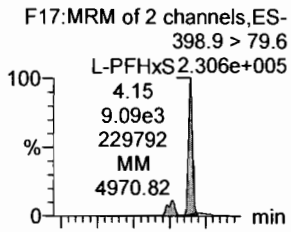

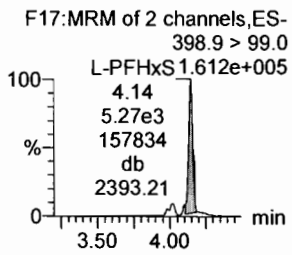

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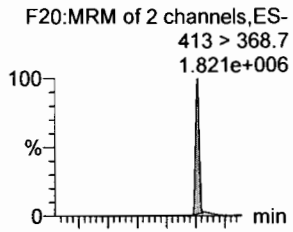

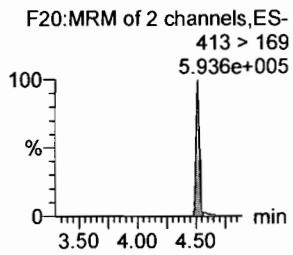

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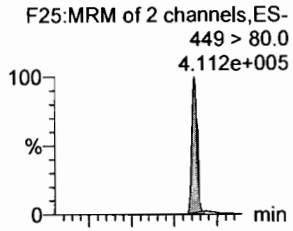

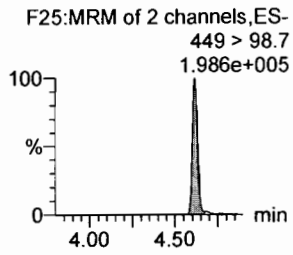

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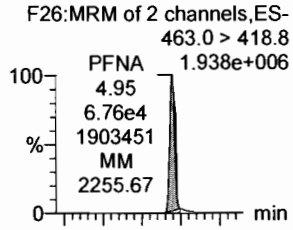

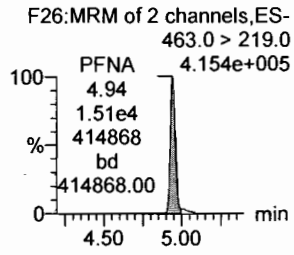

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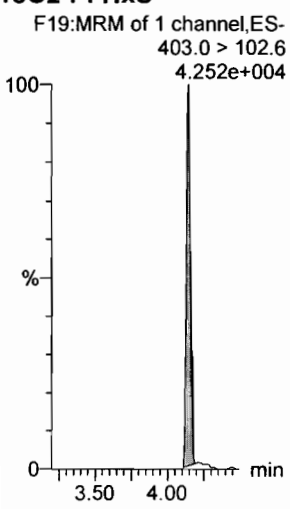

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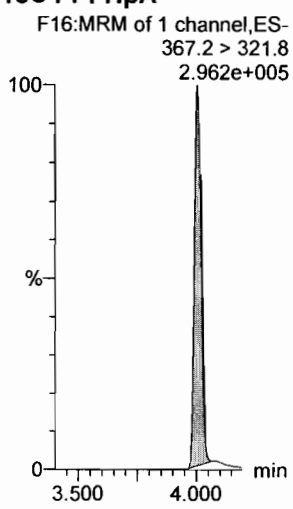

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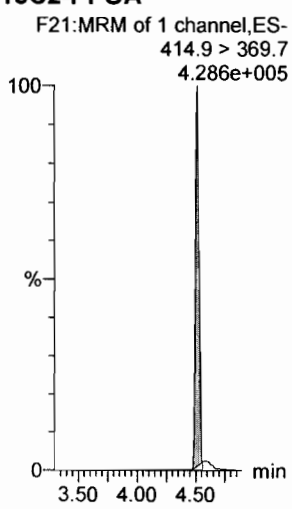

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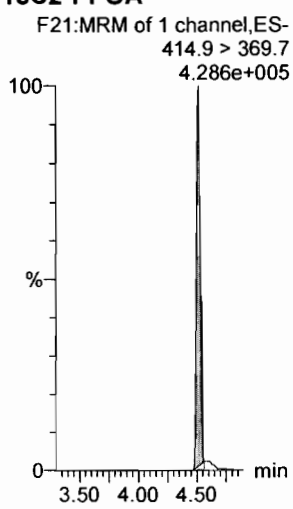

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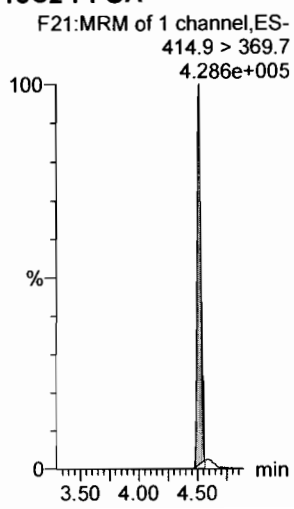

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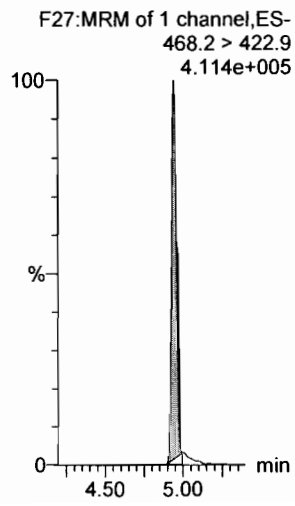

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Name: 180223M2_8, Date: 23-Feb-2018, Time: 21:56:28, ID: ST180223M2-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

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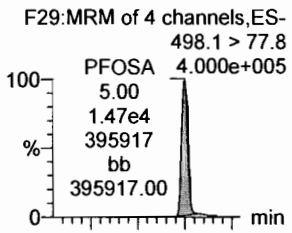

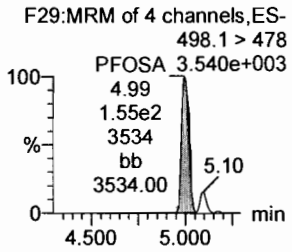

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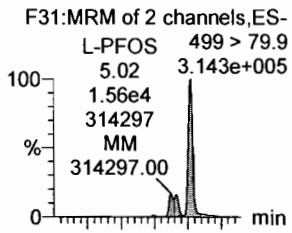

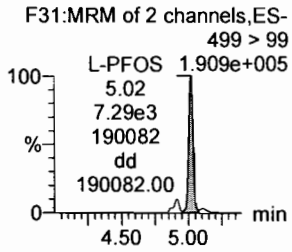

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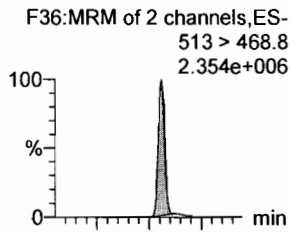

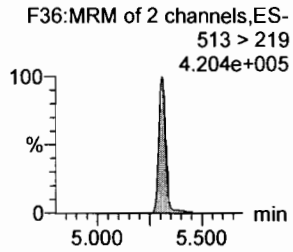

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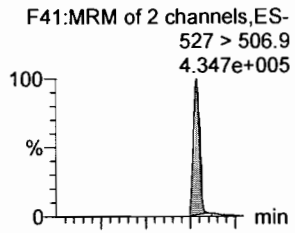

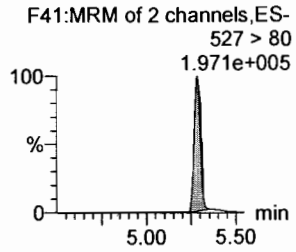

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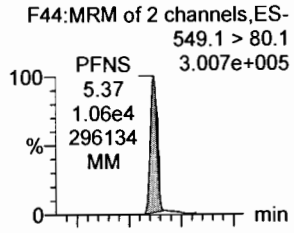

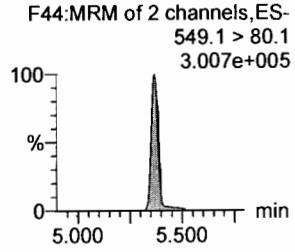

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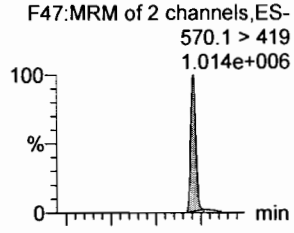

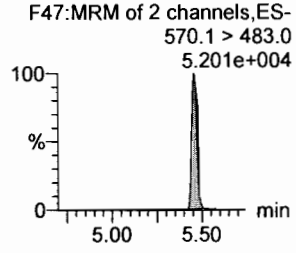

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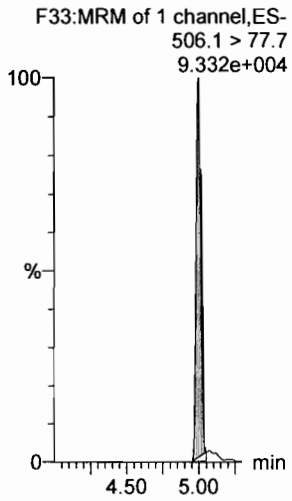

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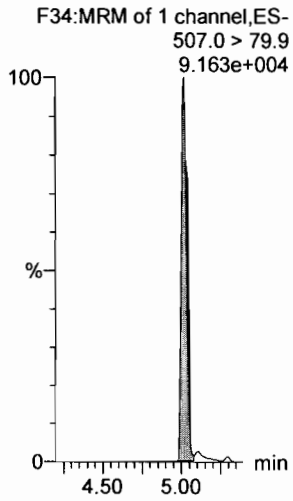

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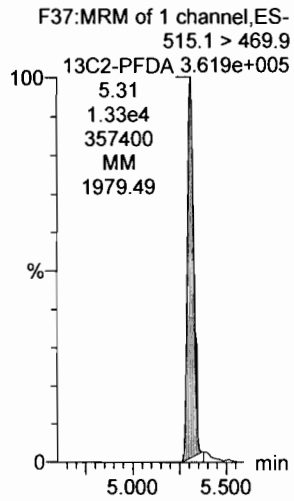

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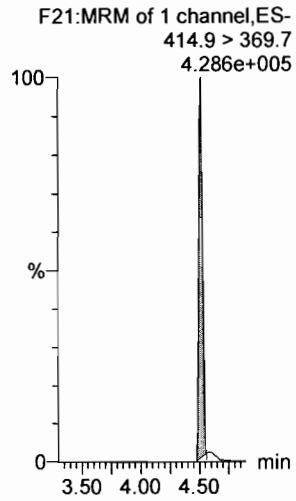

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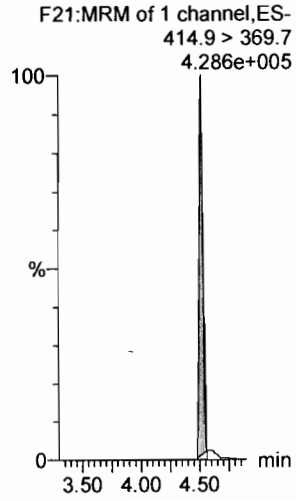

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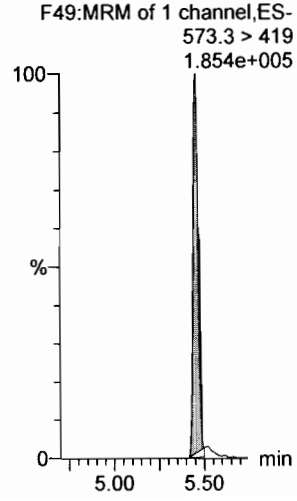

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Name: 180223M2_8, Date: 23-Feb-2018, Time: 21:56:28, ID: ST180223M2-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

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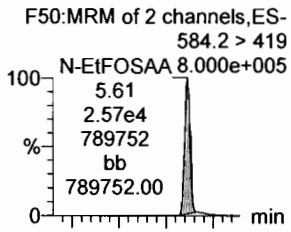

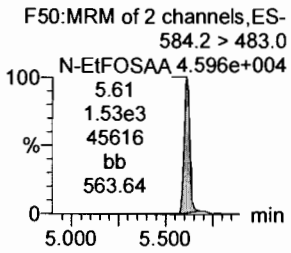

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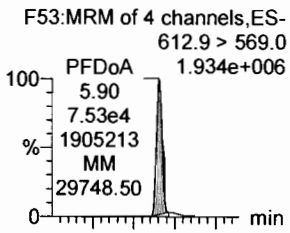

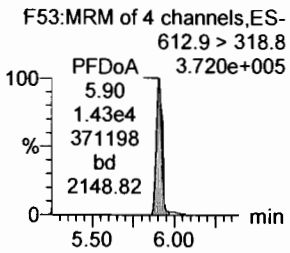

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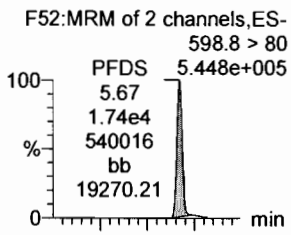

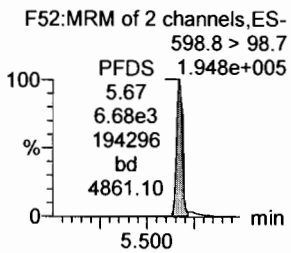

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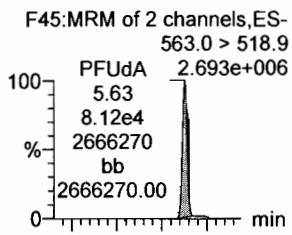

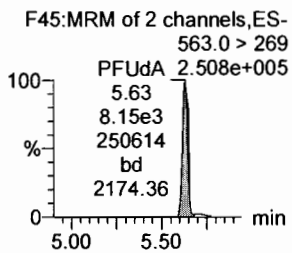

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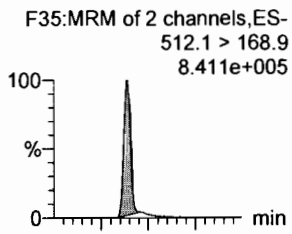

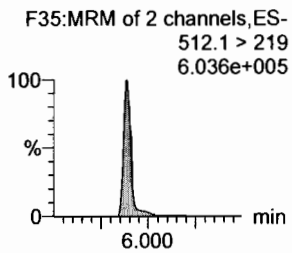

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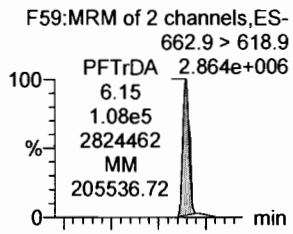
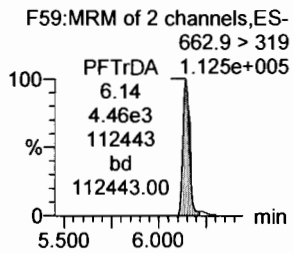
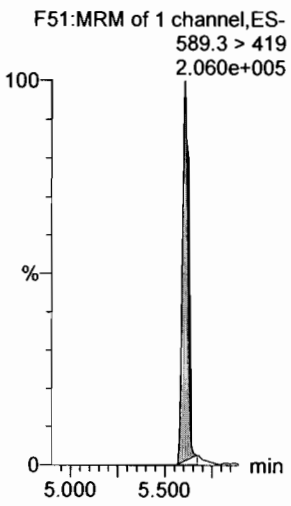
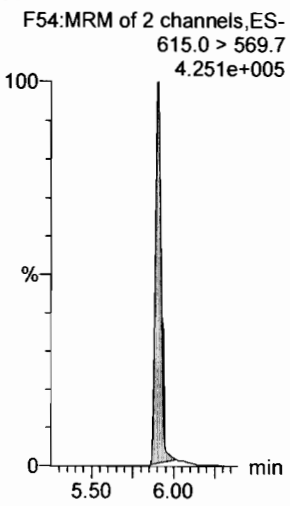




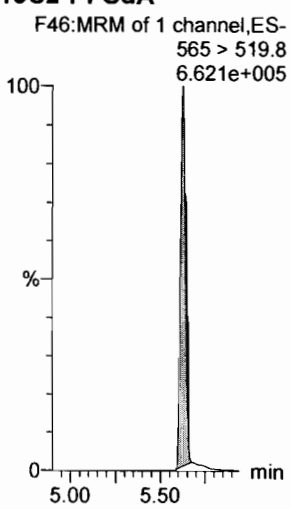
d5-N-EtFOSAA



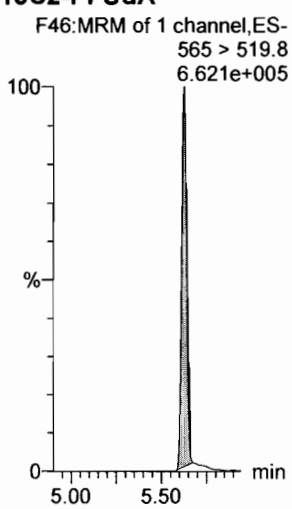
13C2-PFDoA



13C2-PFUdA



13C2-PFUdA



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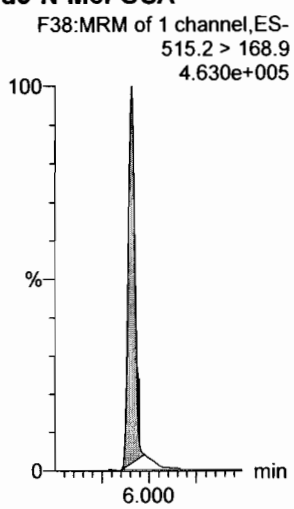

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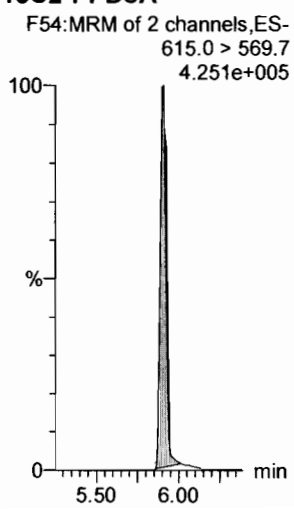
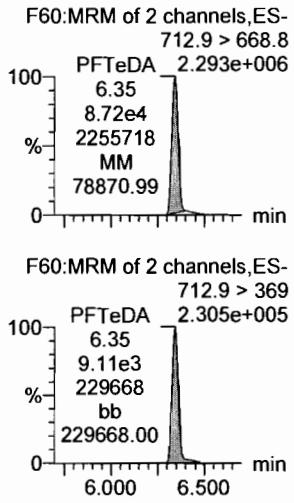


Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

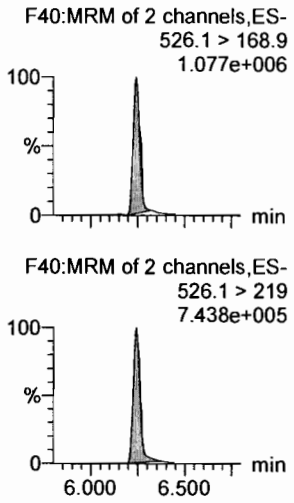
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_8, Date: 23-Feb-2018, Time: 21:56:28, ID: ST180223M2-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

PFTeDA



N-EtFOSA



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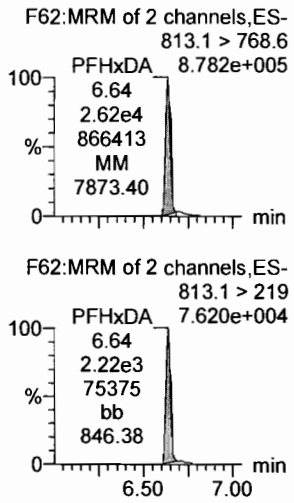
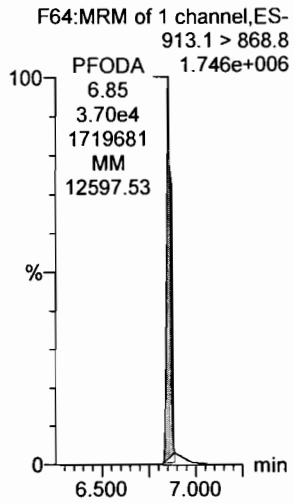
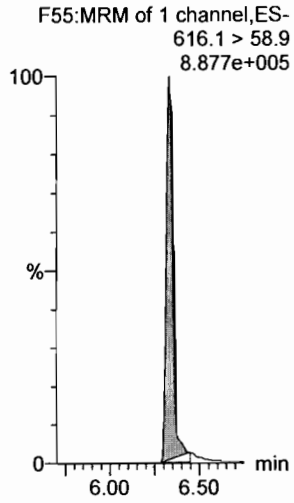


PFODA



N-MeFOSE



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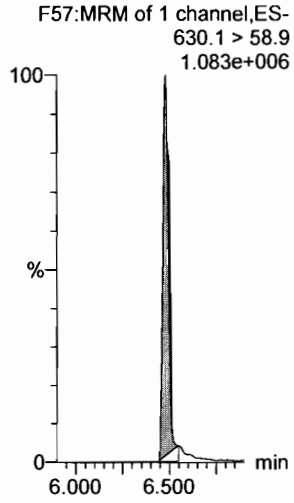

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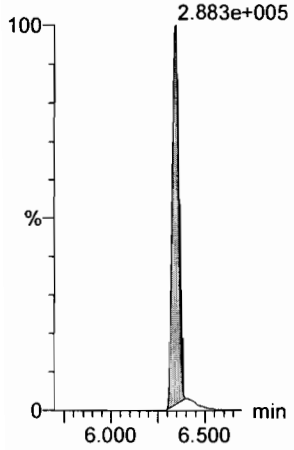
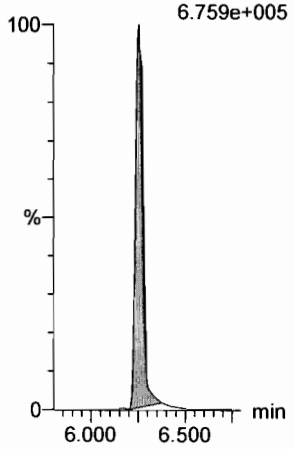


d5-N-ETFOSA



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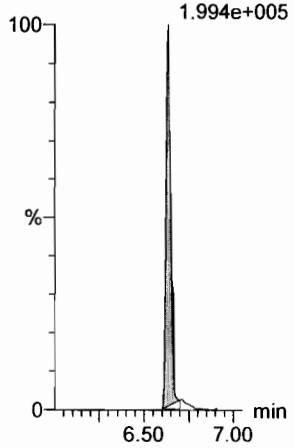

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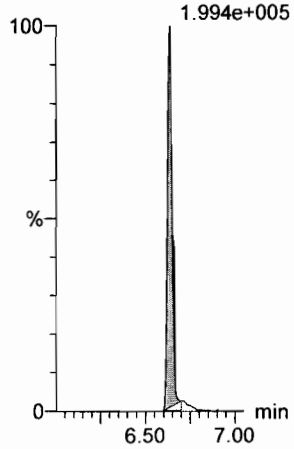
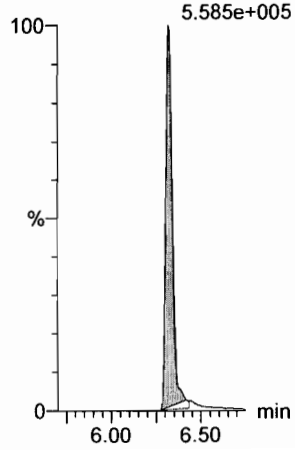
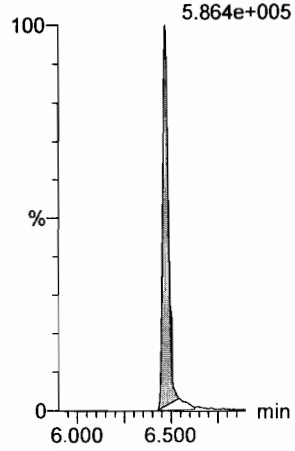


d7-N-MeFOSE



d9-N-EtFOSE



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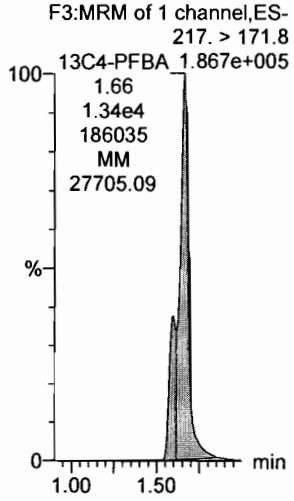
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_8, Date: 23-Feb-2018, Time: 21:56:28, ID: ST180223M2-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

13C4-PFBA



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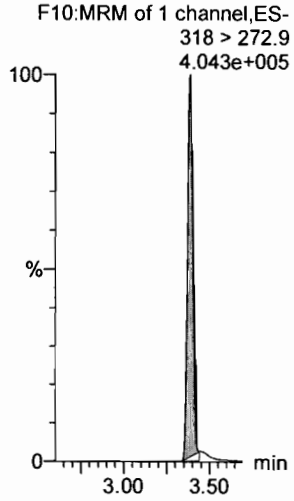
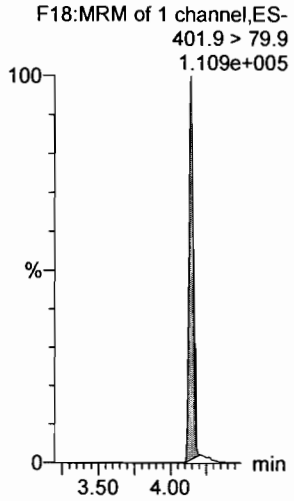
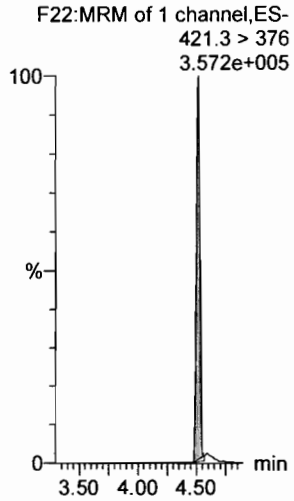


13C3-PFHxS



13C8-PFOA



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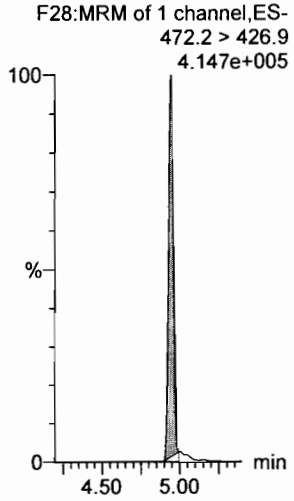
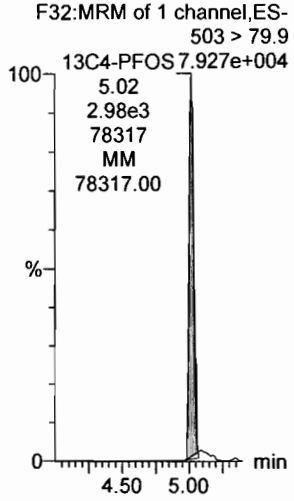
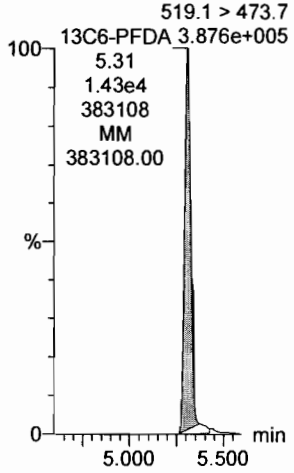


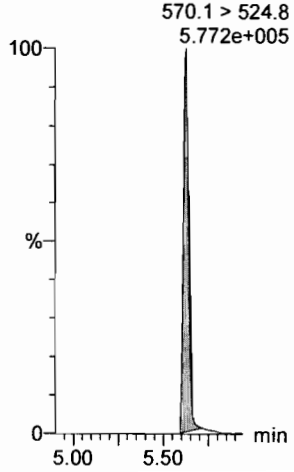
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
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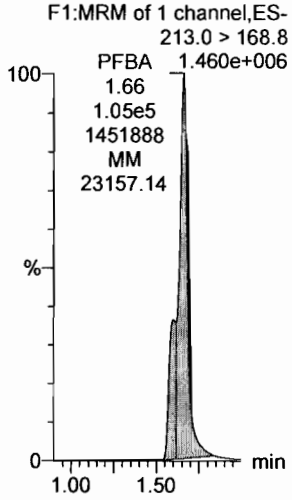
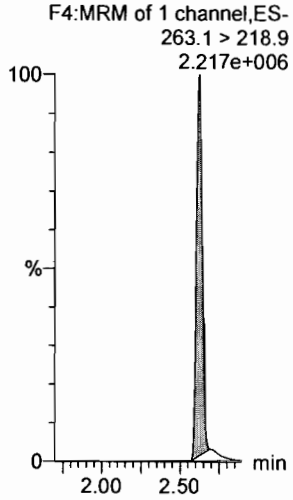
Name: 180223M2_9, Date: 23-Feb-2018, Time: 22:07:55, ID: ST180223M2-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

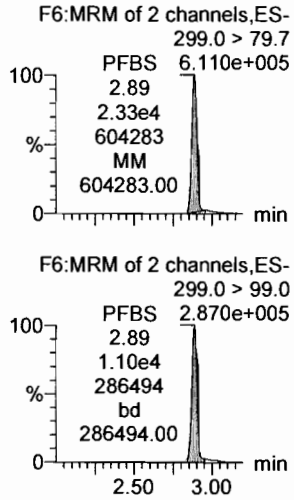
PFBA



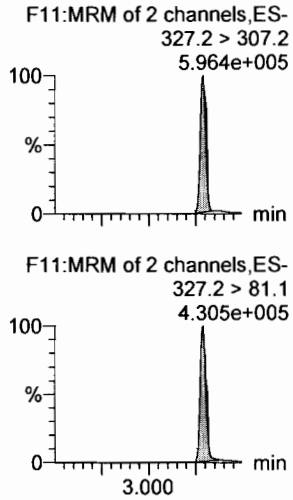
PFPeA



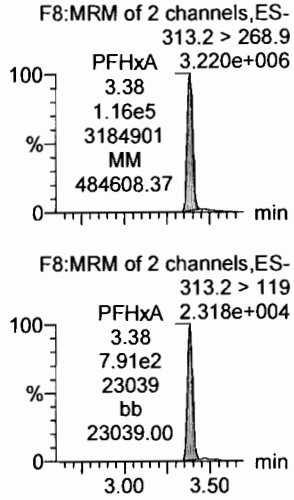
PFBS



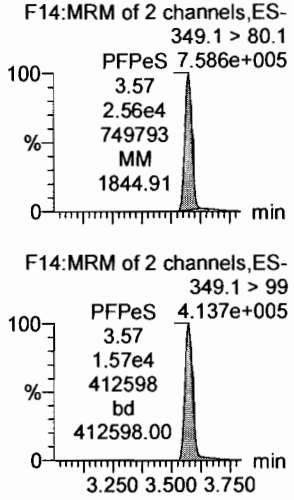
4:2 FTS



PFHxA



PFPeS



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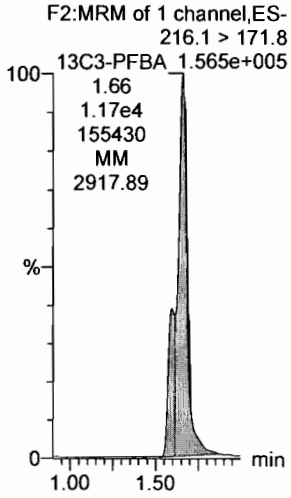

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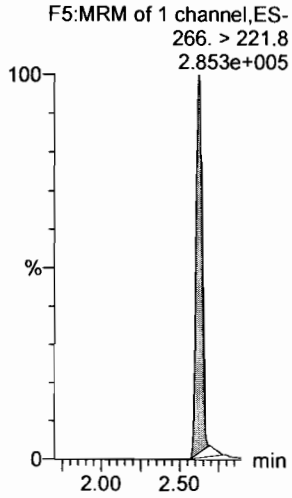

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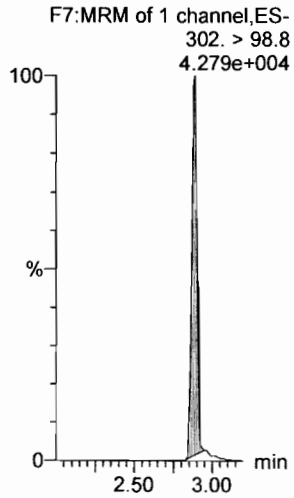

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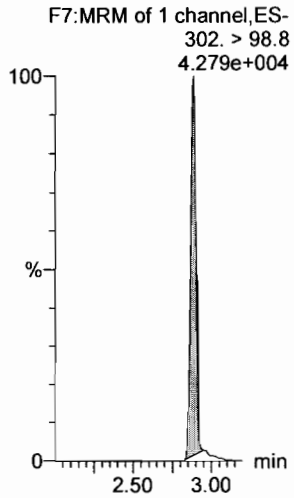

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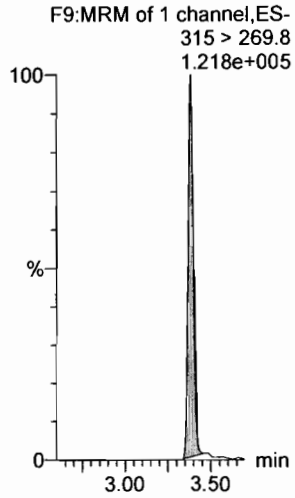

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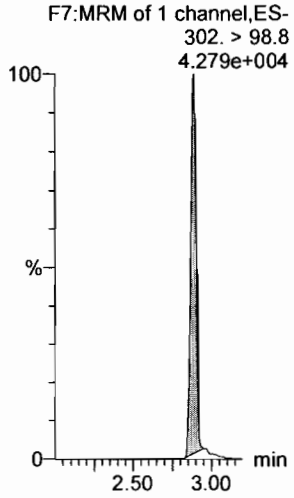

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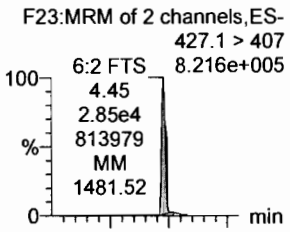
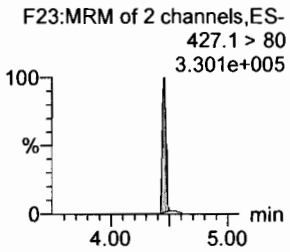
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

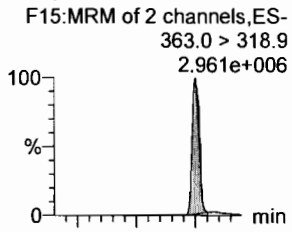
Name: 180223M2_9, Date: 23-Feb-2018, Time: 22:07:55, ID: ST180223M2-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

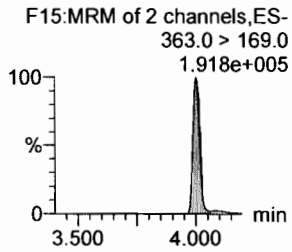
6:2 FTS



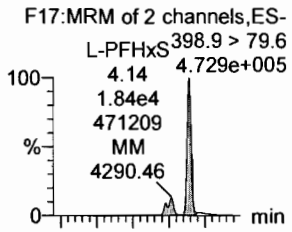


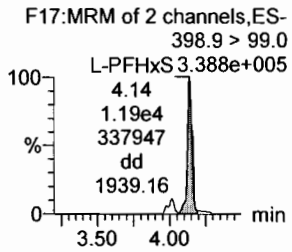
PFHpA



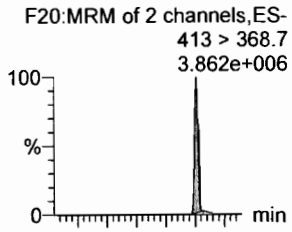


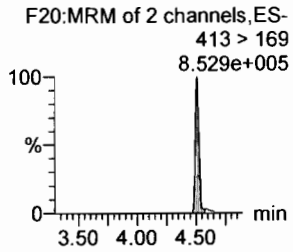
L-PFHxS





L-PFOA





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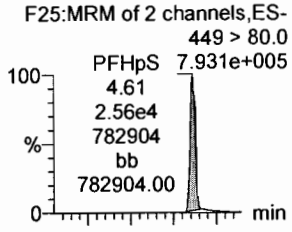

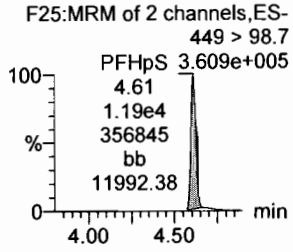

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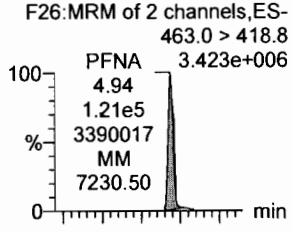
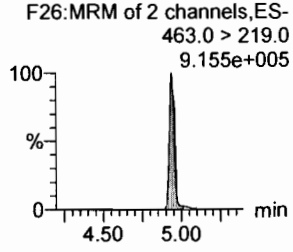
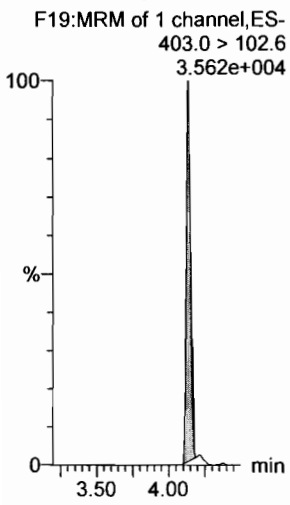
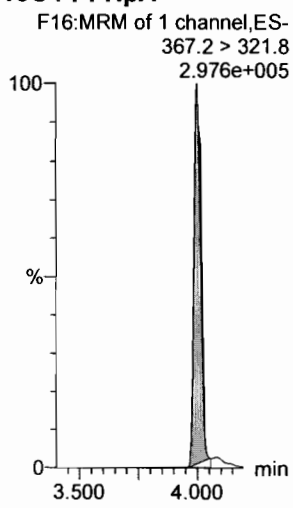




18O2-PFHxS



13C4-PFHpA



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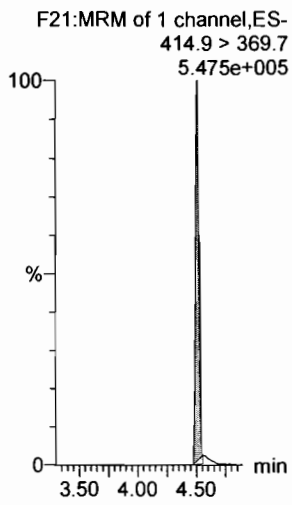

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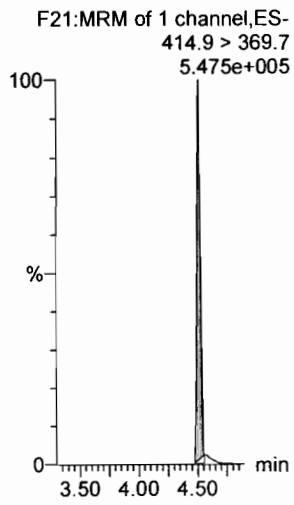

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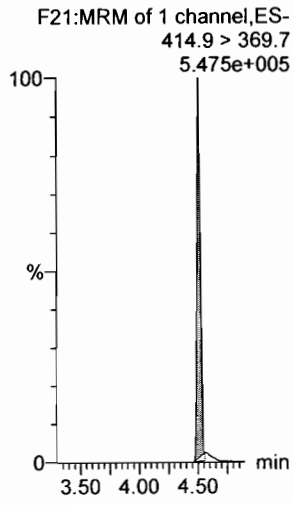
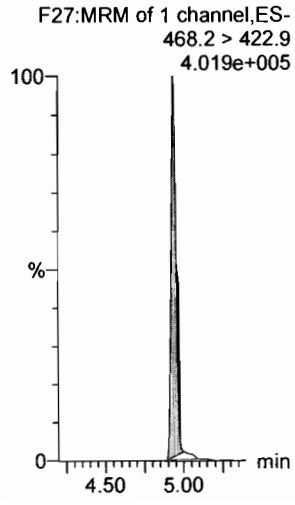


13C5-PFNA



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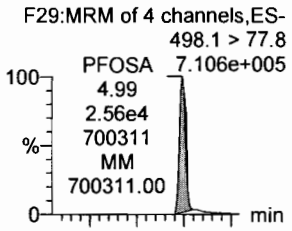
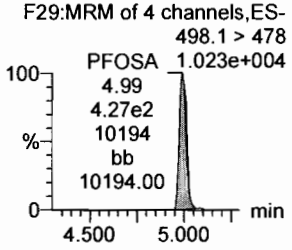
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_9, Date: 23-Feb-2018, Time: 22:07:55, ID: ST180223M2-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

PFOSA





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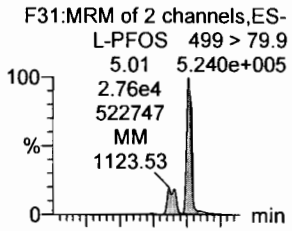

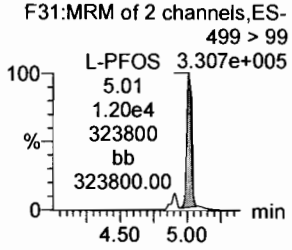

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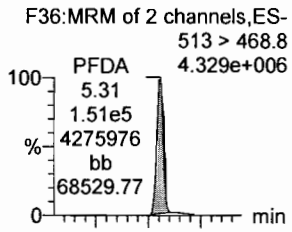
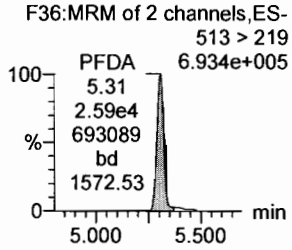
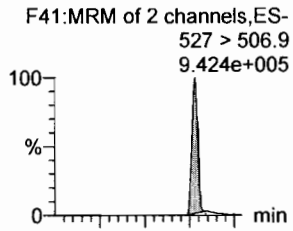
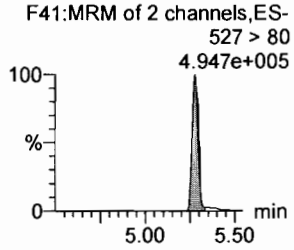




8:2 FTS





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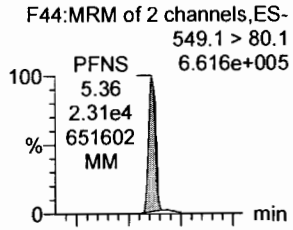

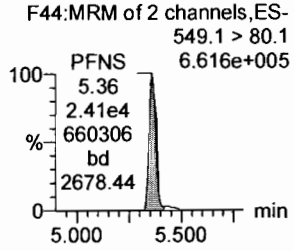

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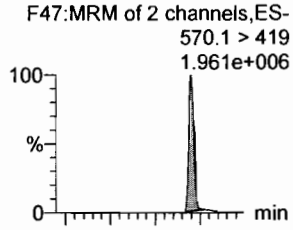

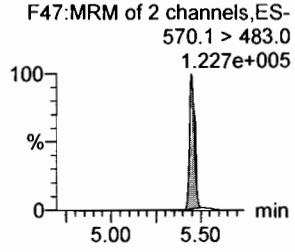

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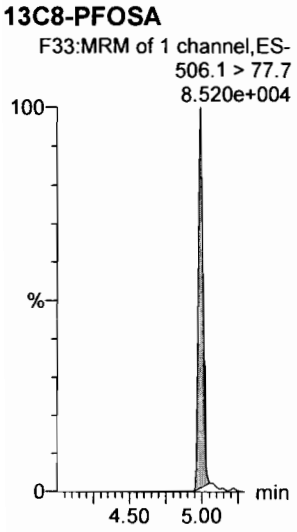

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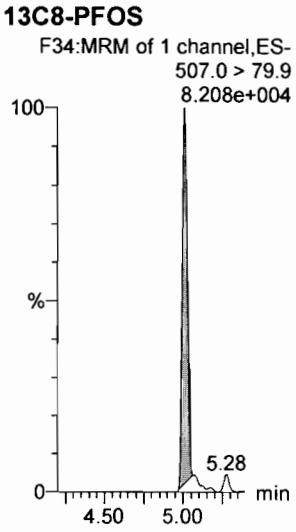

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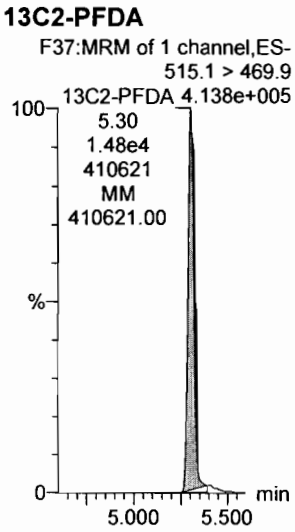

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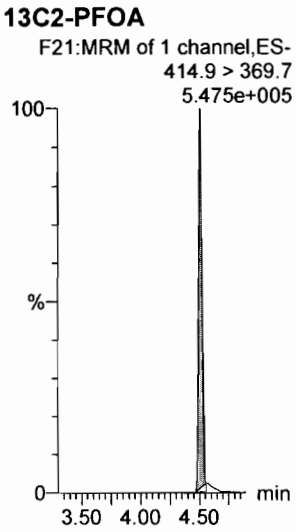

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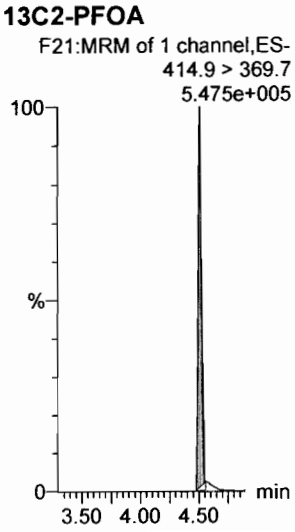

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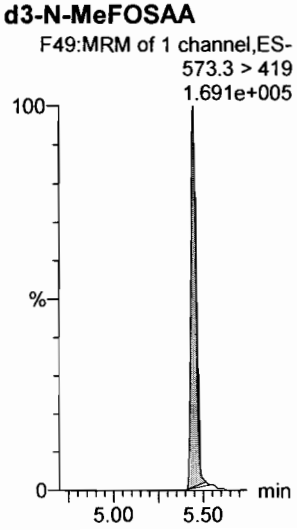

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Name: 180223M2_9, Date: 23-Feb-2018, Time: 22:07:55, ID: ST180223M2-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

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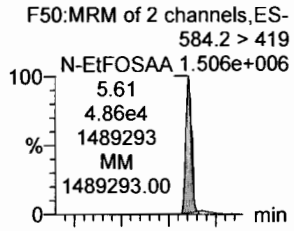
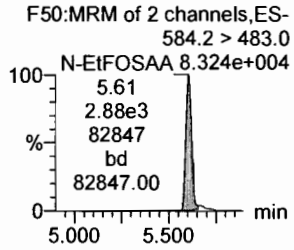
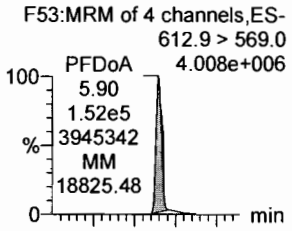
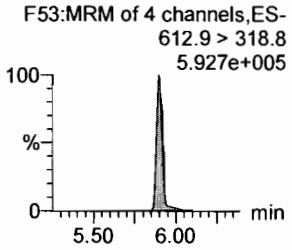




PFDoA





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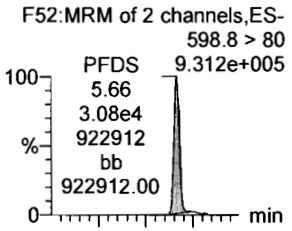

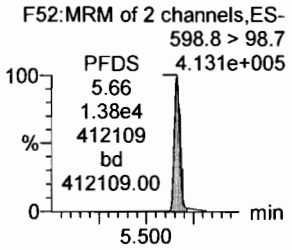

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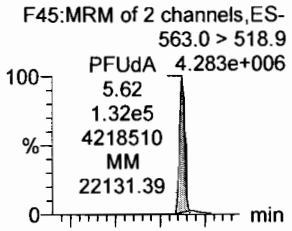

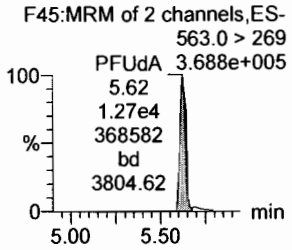

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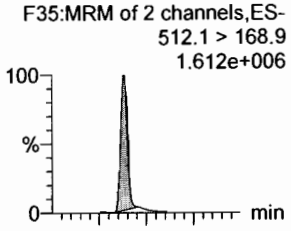

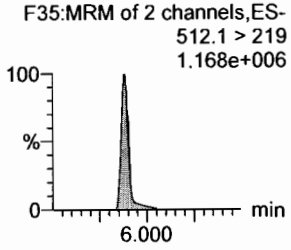

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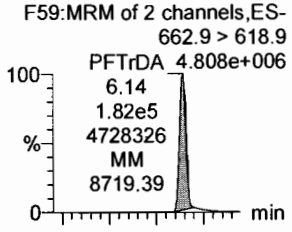

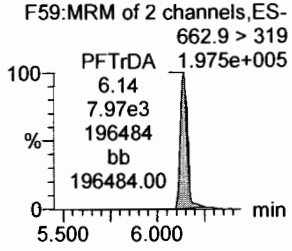

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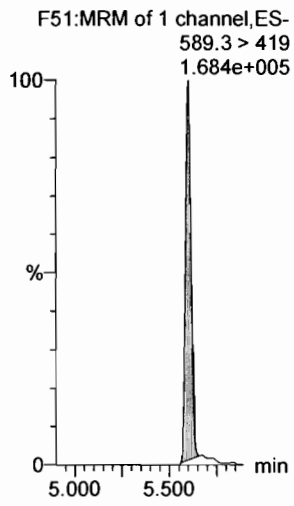

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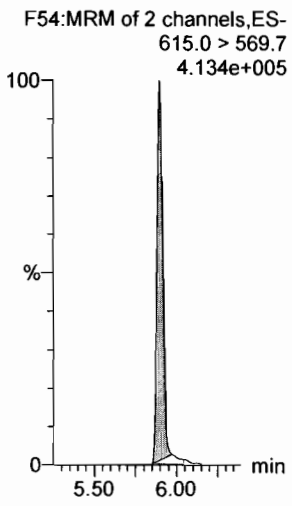

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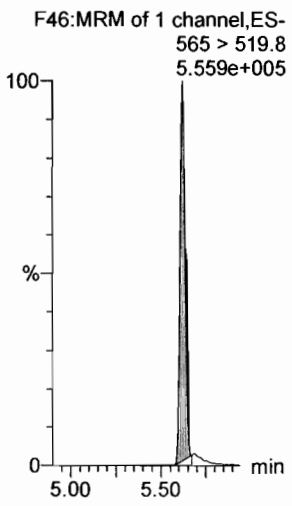

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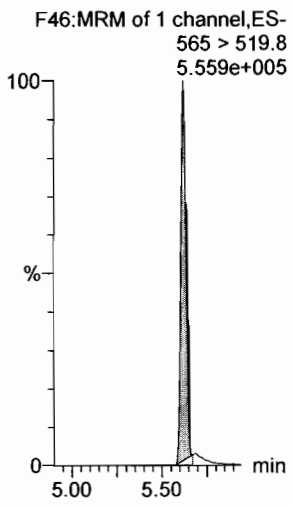

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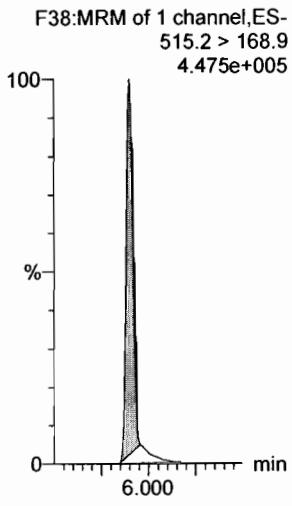

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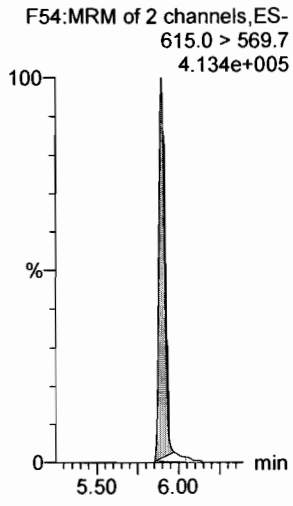

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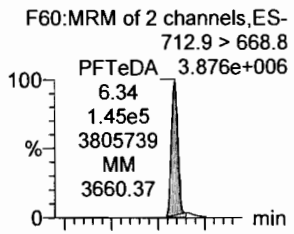

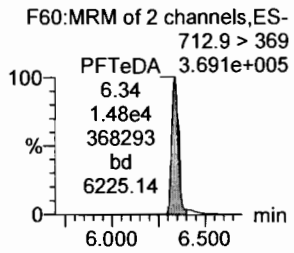

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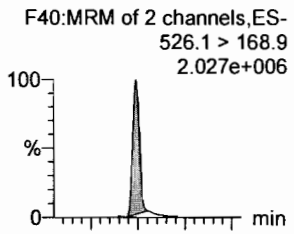

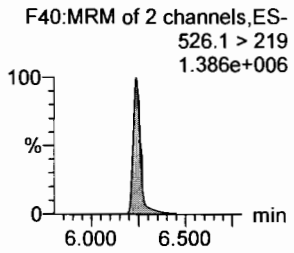

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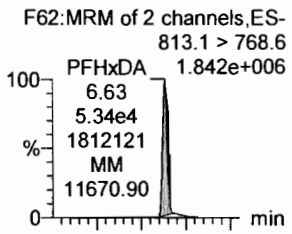

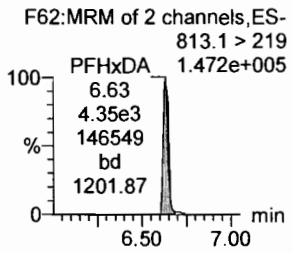

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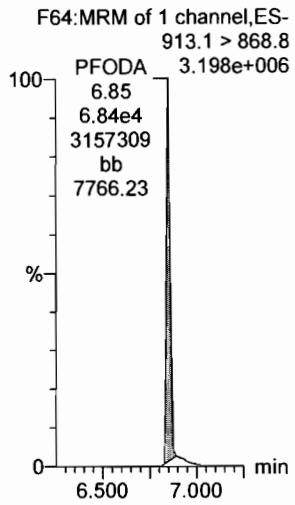
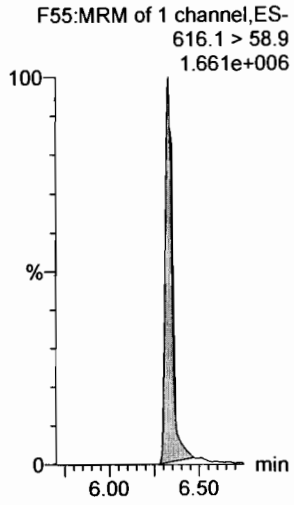


N-MeFOSE



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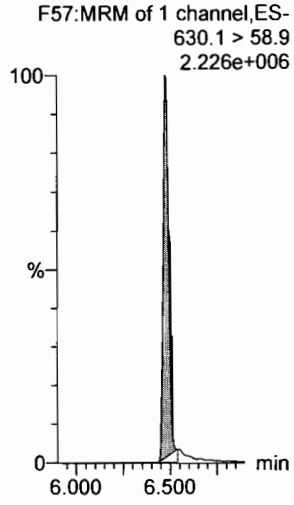

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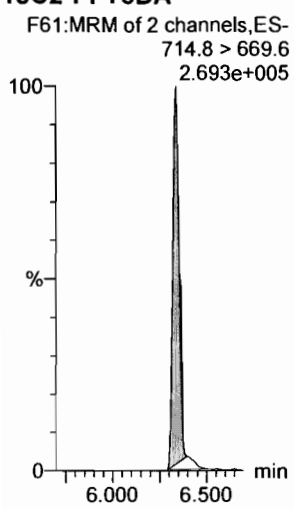

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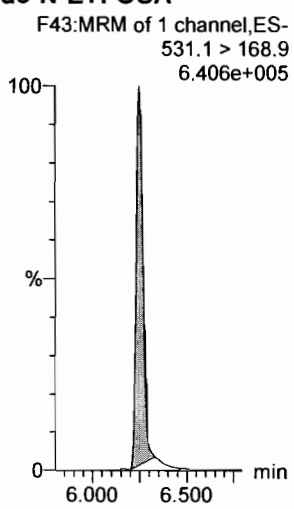

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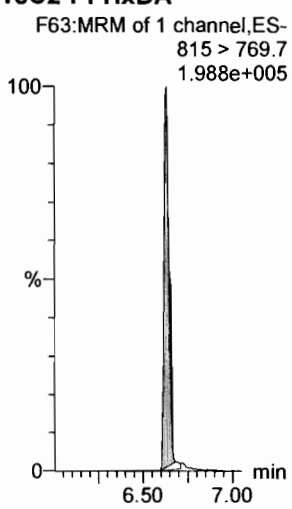
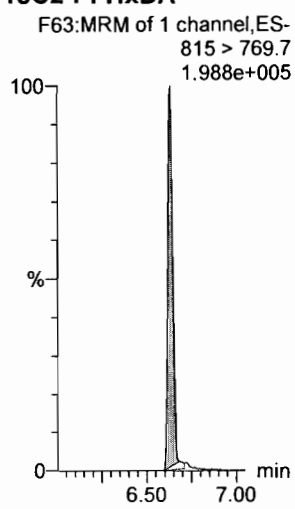
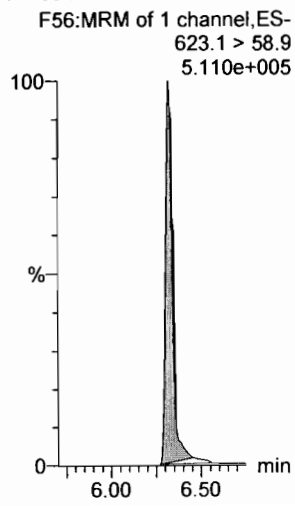


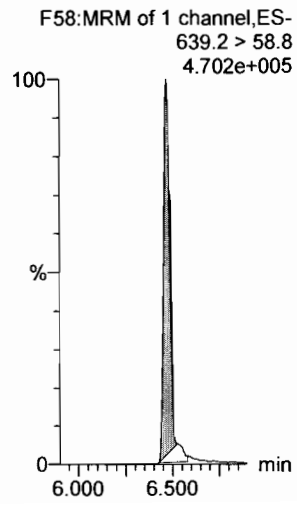
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

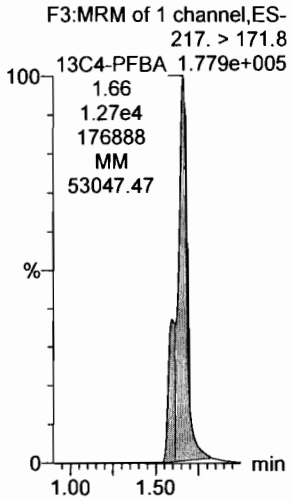


Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

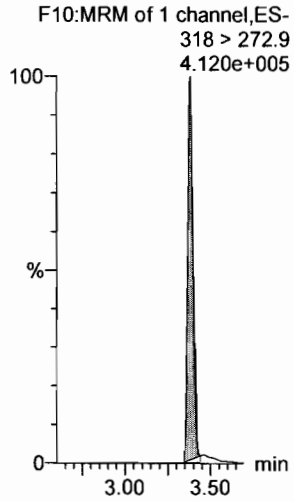
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_9, Date: 23-Feb-2018, Time: 22:07:55, ID: ST180223M2-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

13C4-PFBA



13C5-PFHxA



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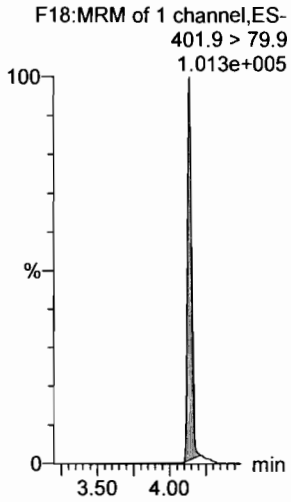
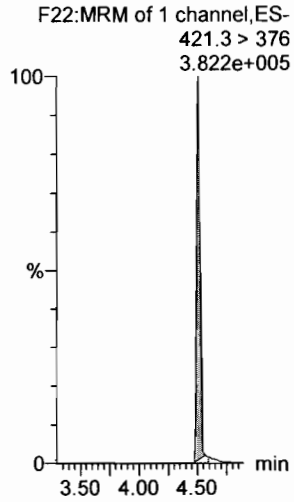


13C8-PFOA



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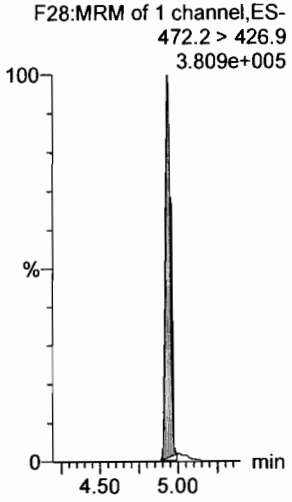
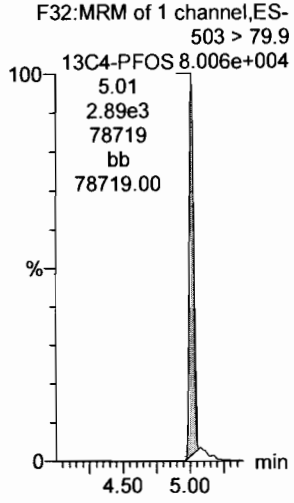
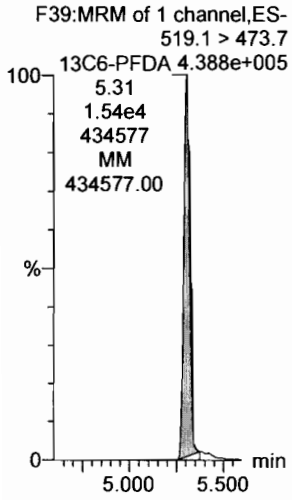


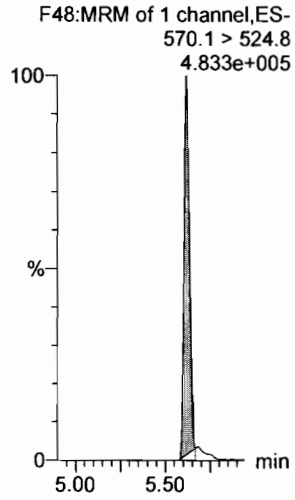
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
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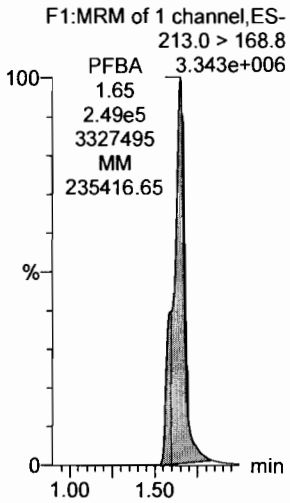
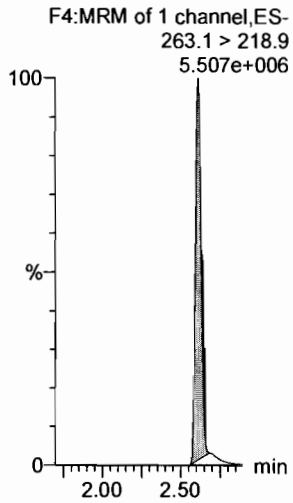
Name: 180223M2_10, Date: 23-Feb-2018, Time: 22:19:24, ID: ST180223M2-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

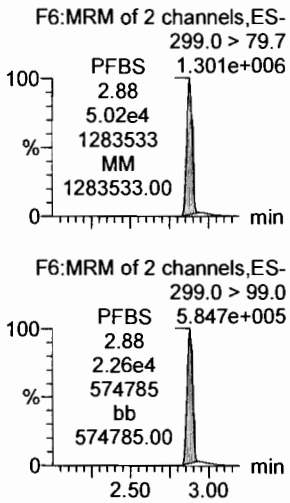
PFBA



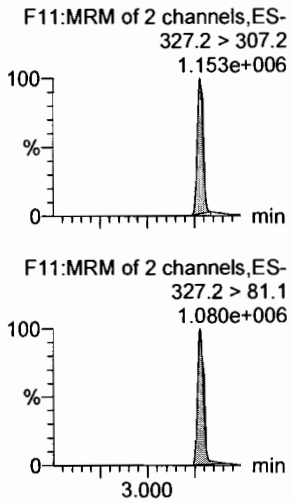
PFPeA



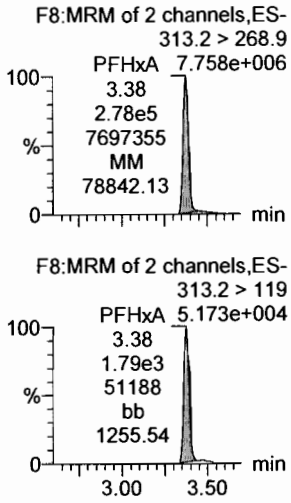
PFBS



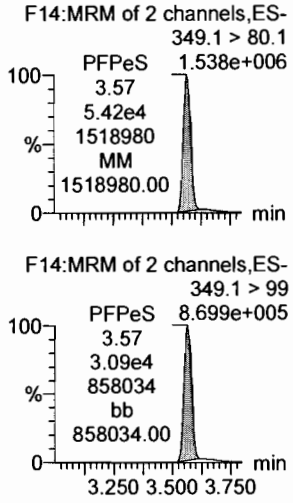
4:2 FTS



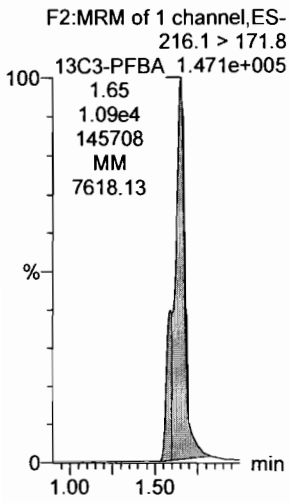
PFHxA



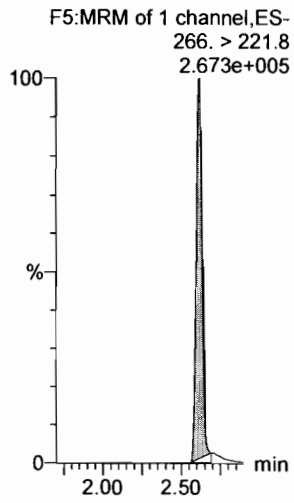
PFPeS



13C3-PFBA



13C3-PFPeA



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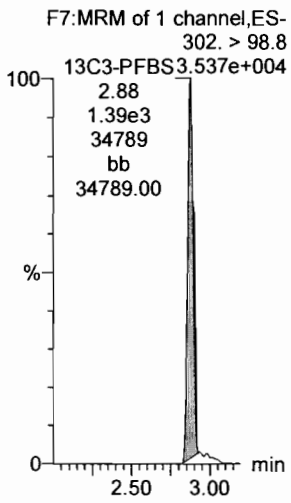

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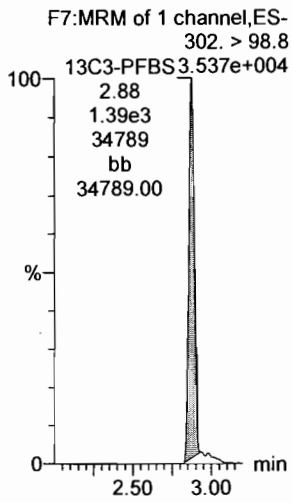

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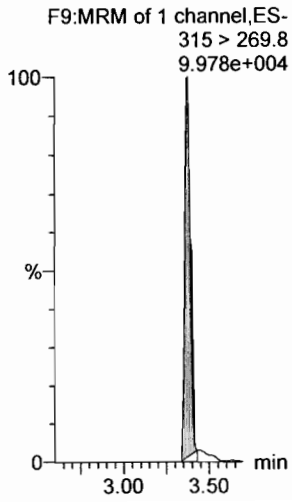

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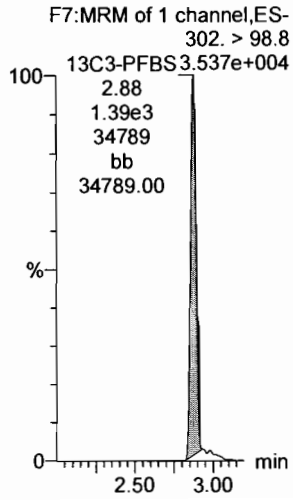

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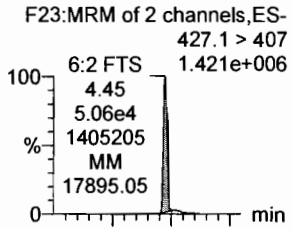
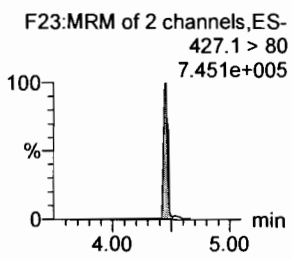
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

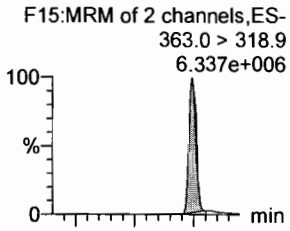
Name: 180223M2_10, Date: 23-Feb-2018, Time: 22:19:24, ID: ST180223M2-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

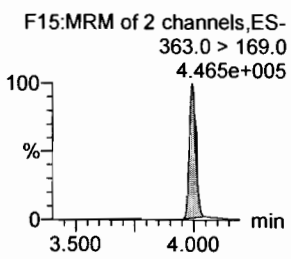
6:2 FTS



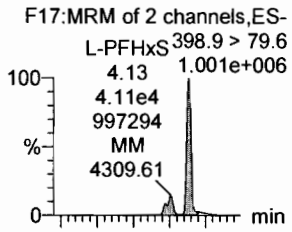


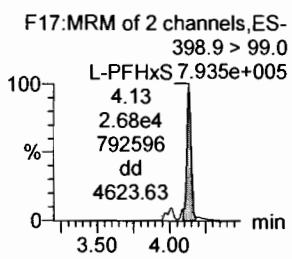
PFHpA



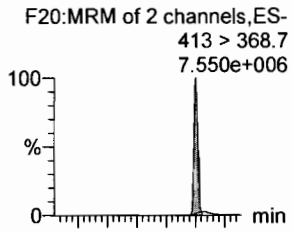


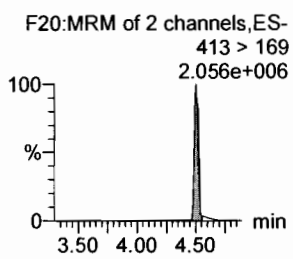
L-PFHxS



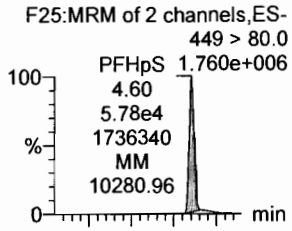


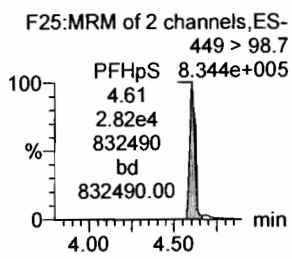
L-PFOA





PFHpS





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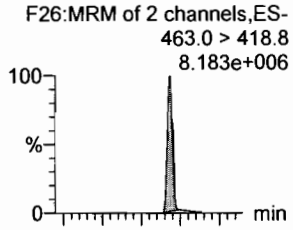
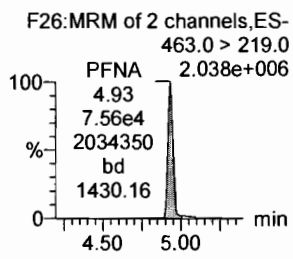
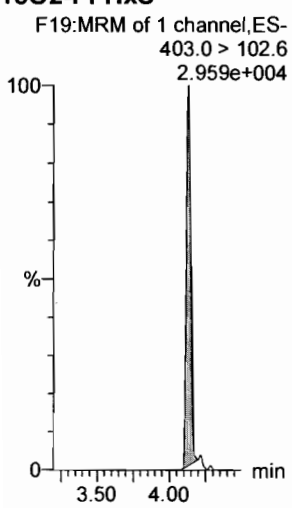
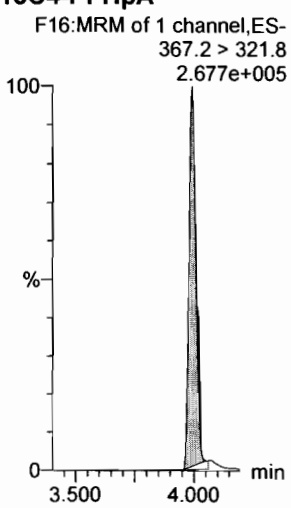




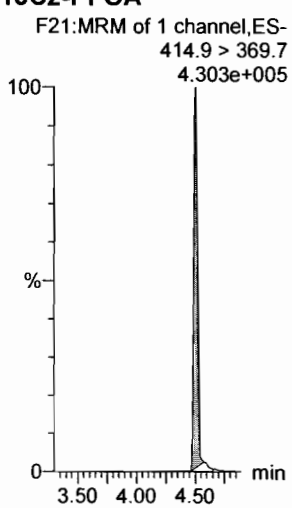
18O2-PFHxS



13C4-PFHpA



13C2-PFOA



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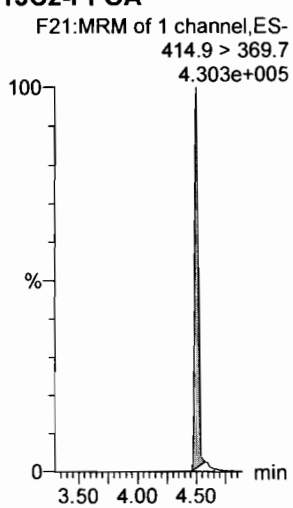

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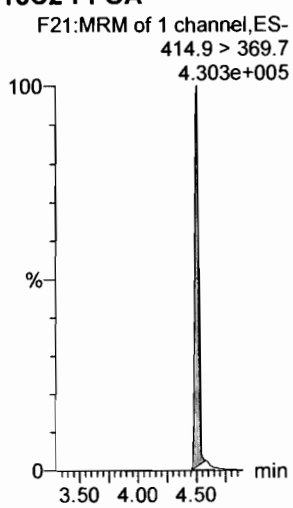
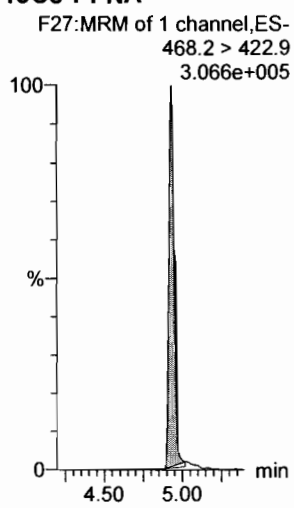


13C5-PFNA



Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
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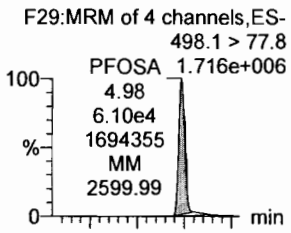
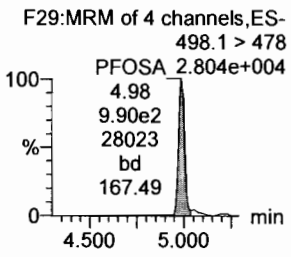
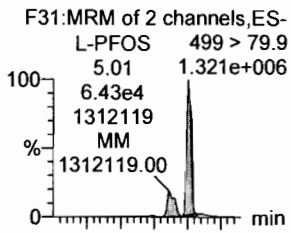
Name: 180223M2_10, Date: 23-Feb-2018, Time: 22:19:24, ID: ST180223M2-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

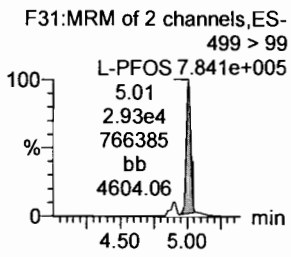
PFOSA



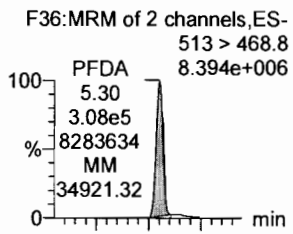


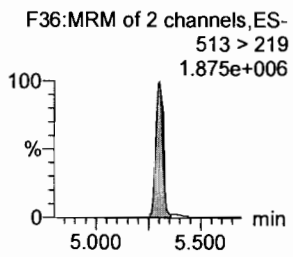
L-PFOS



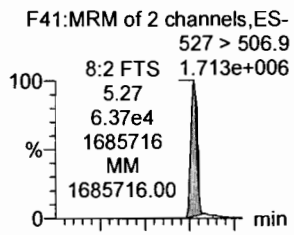


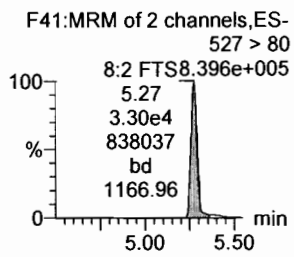
PFDA





8:2 FTS





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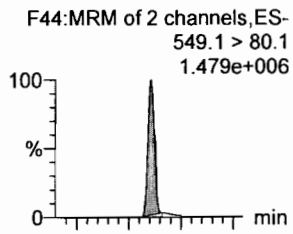

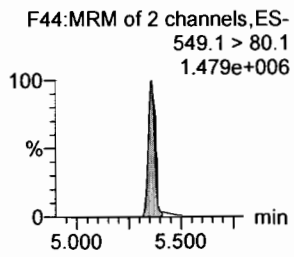

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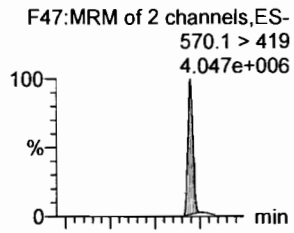
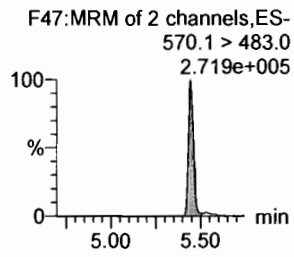
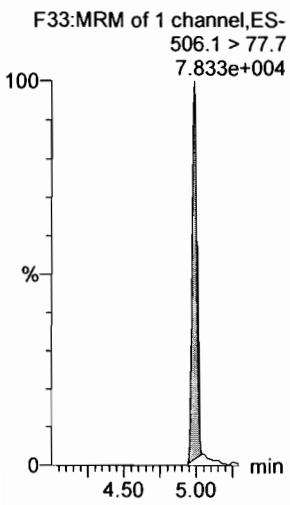
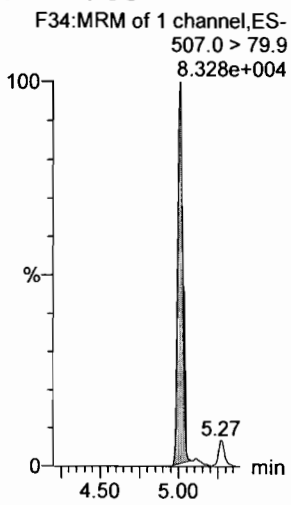




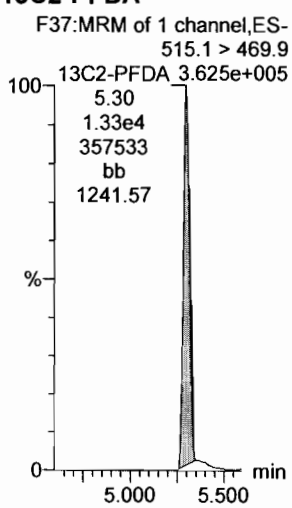
13C8-PFOSA



13C8-PFOS



13C2-PFDA



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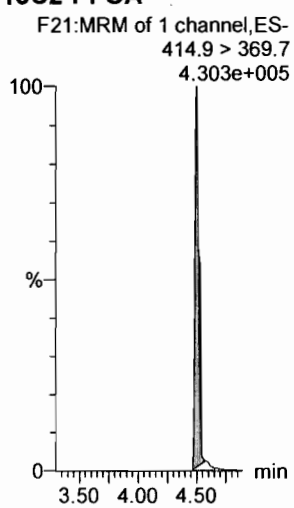

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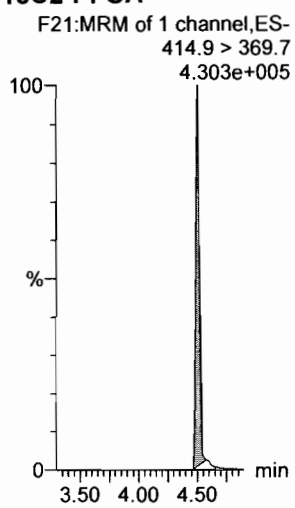
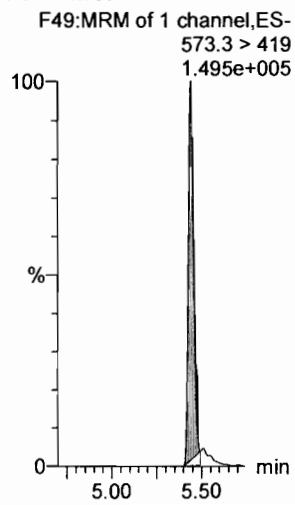


d3-N-MeFOSAA



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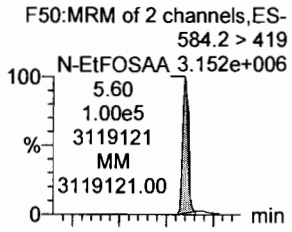
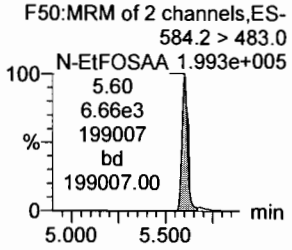
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

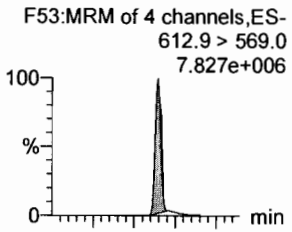
Name: 180223M2_10, Date: 23-Feb-2018, Time: 22:19:24, ID: ST180223M2-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

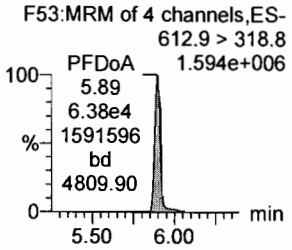
N-EtFOSAA





PFDoA





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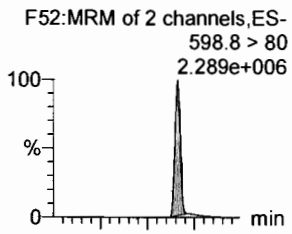

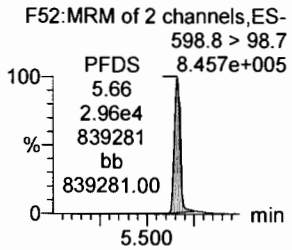

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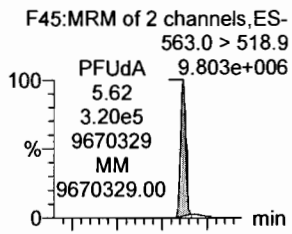
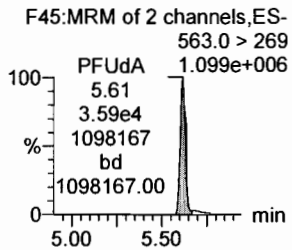
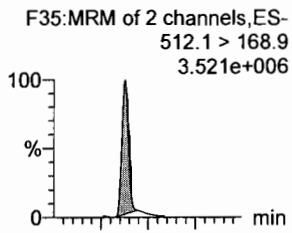
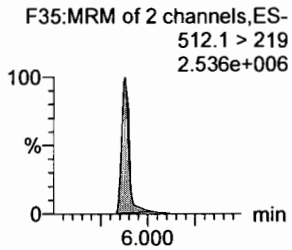




N-MeFOSA





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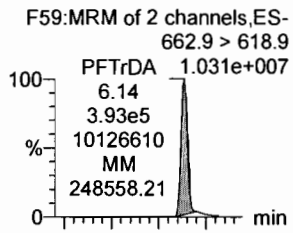
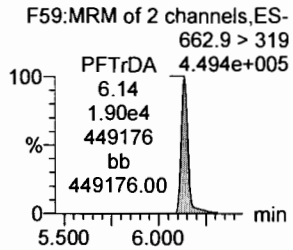
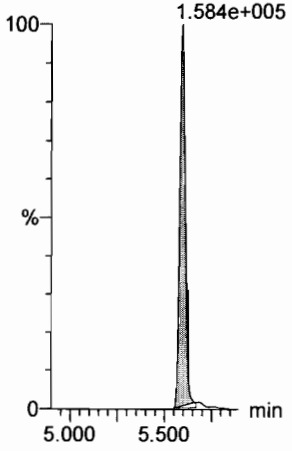
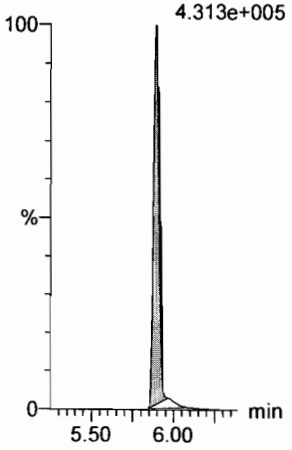




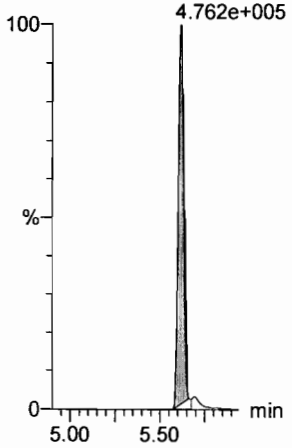
d5-N-EtFOSAA



13C2-PFDoA



13C2-PFUdA



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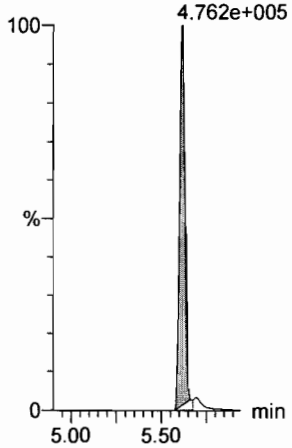

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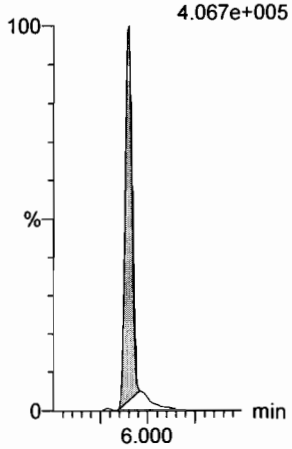

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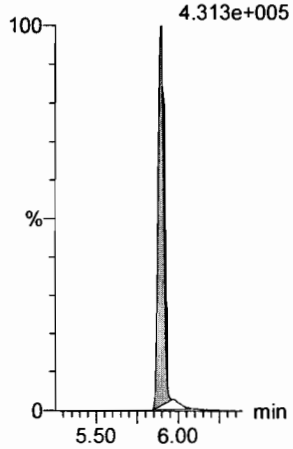

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Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_10, Date: 23-Feb-2018, Time: 22:19:24, ID: ST180223M2-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

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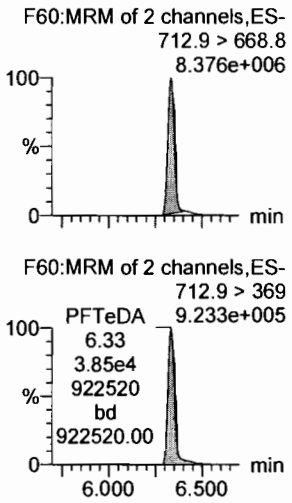

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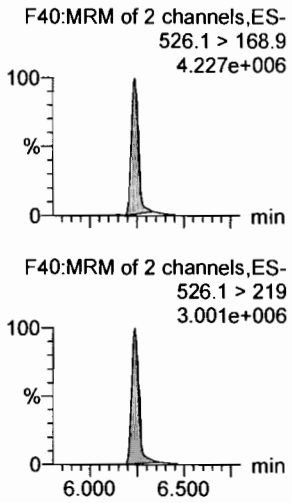
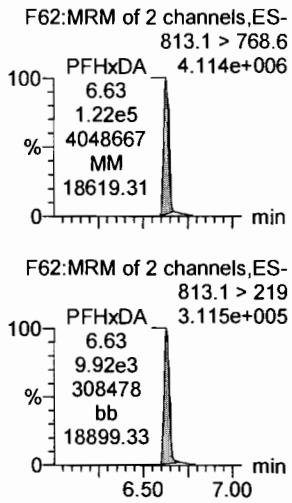
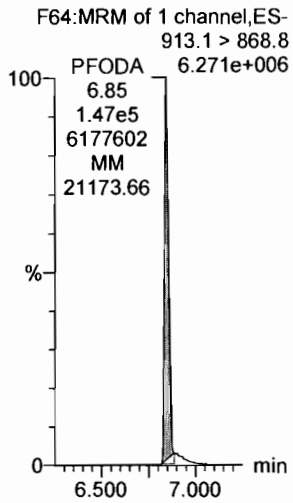


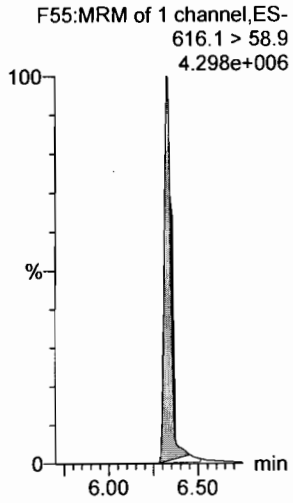
PFHxDA



PFODA



N-MeFOSE



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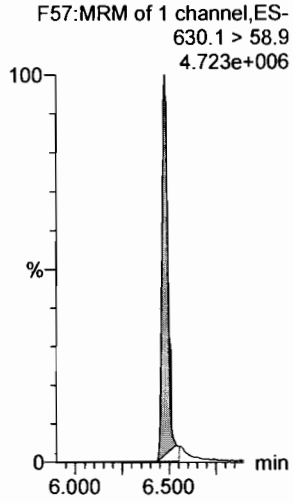
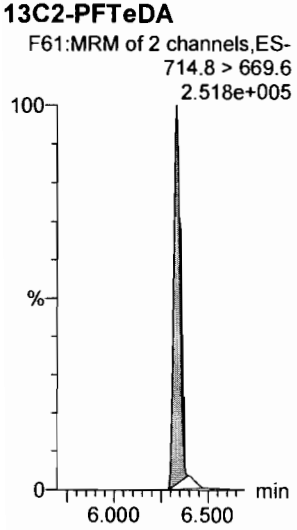
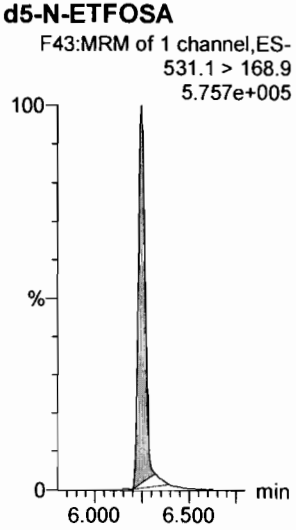


13C2-PFTeDA



d5-N-ETFOSA



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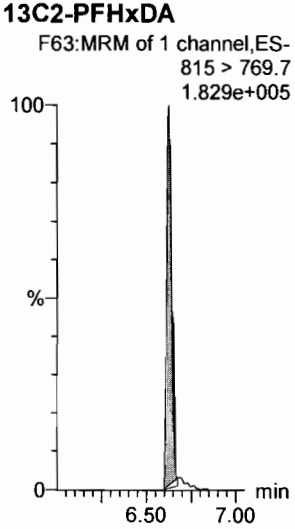
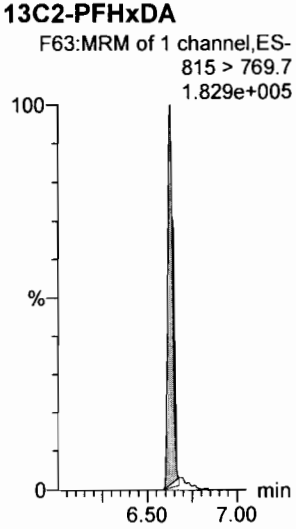


13C2-PFHxDA



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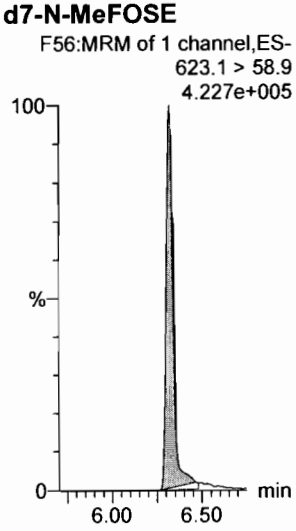
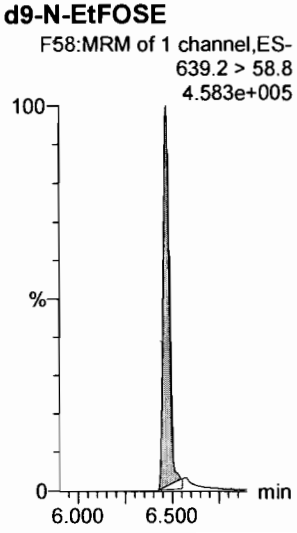


d9-N-EtFOSE



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Name: 180223M2_10, Date: 23-Feb-2018, Time: 22:19:24, ID: ST180223M2-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

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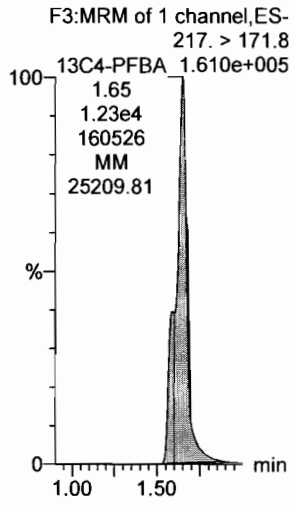

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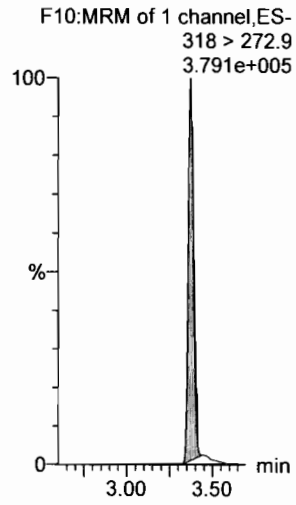
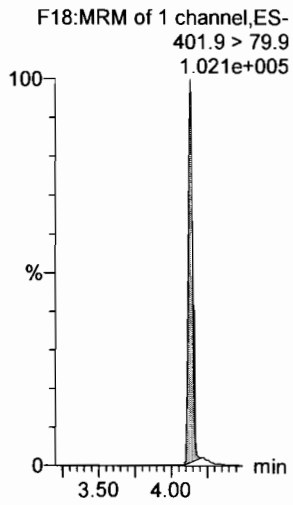
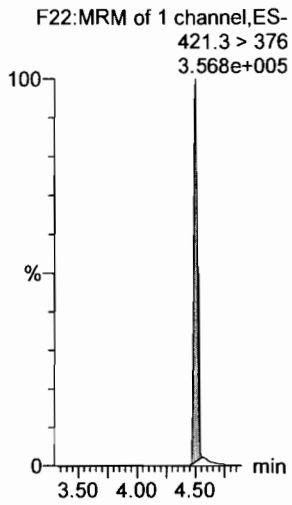


13C3-PFHxS



13C8-PFOA



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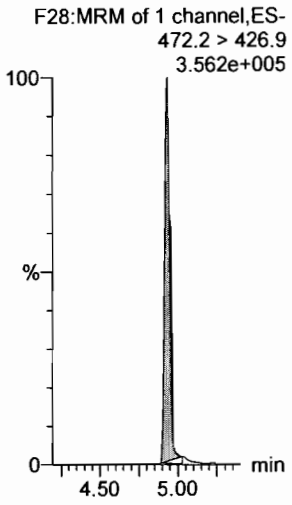

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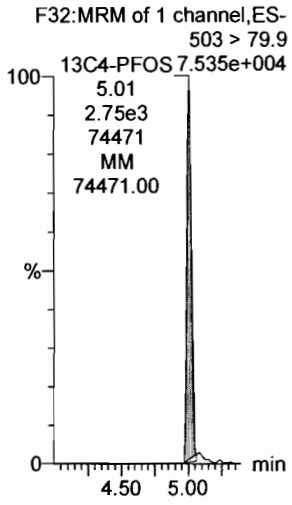

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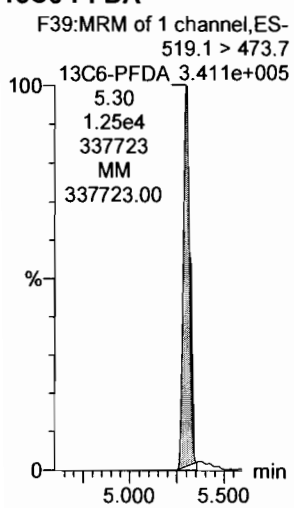
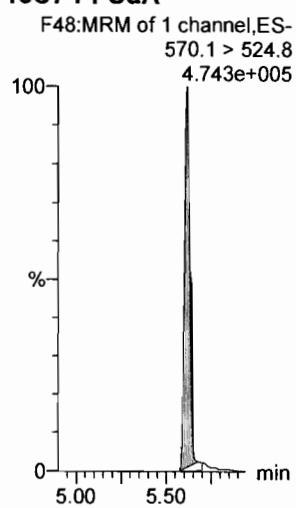


13C7-PFUdA



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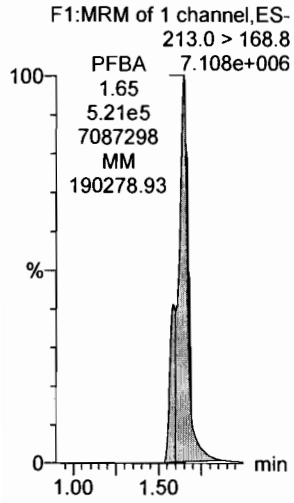
Name: 180223M2_11, Date: 23-Feb-2018, Time: 22:30:54, ID: ST180223M2-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

PFBA



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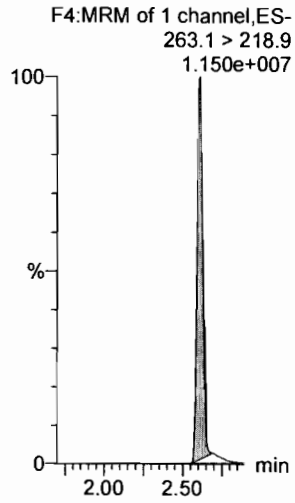

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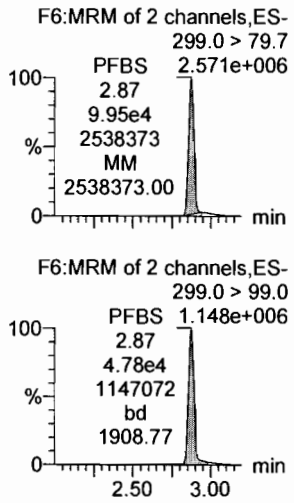
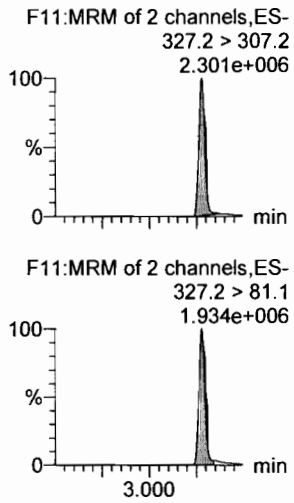
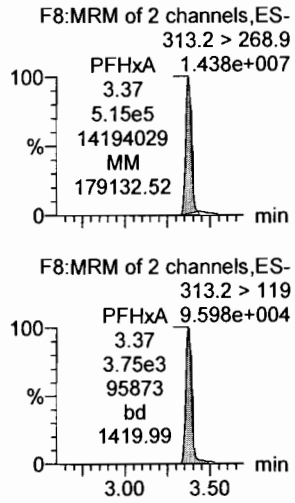


4:2 FTS



PFHxA



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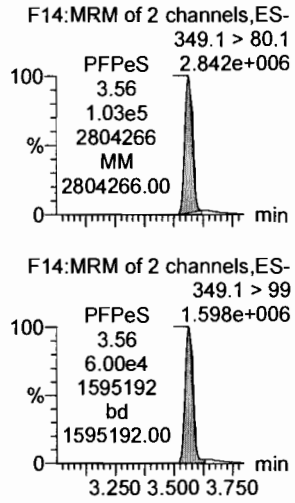
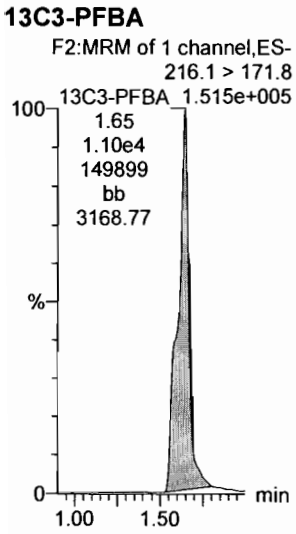
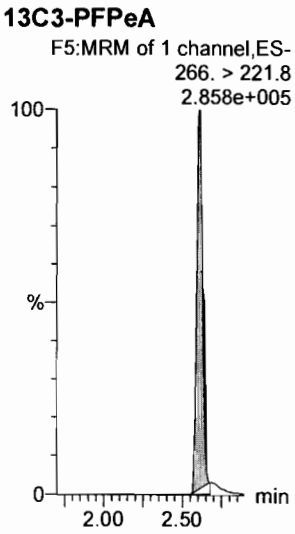


13C3-PFBA



13C3-PFPeA



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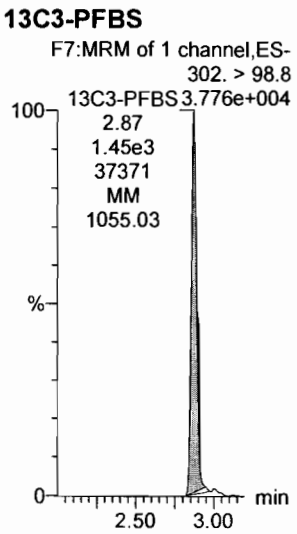

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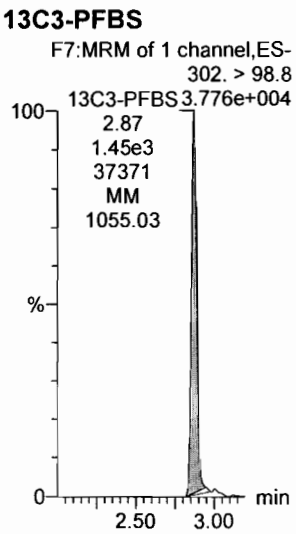

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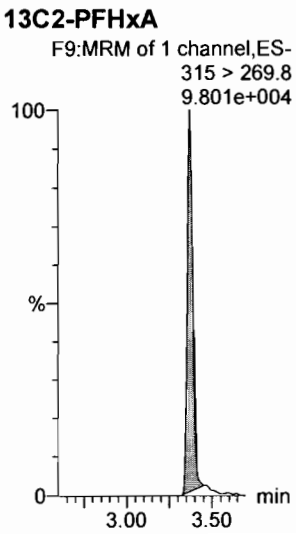

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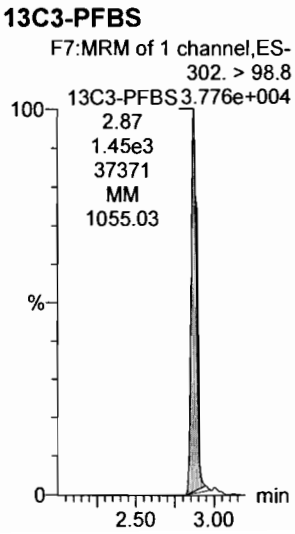

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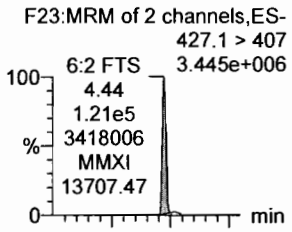
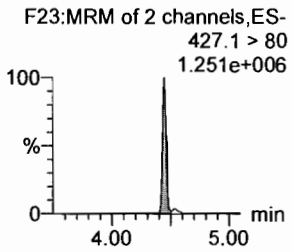
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_11, Date: 23-Feb-2018, Time: 22:30:54, ID: ST180223M2-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

6:2 FTS





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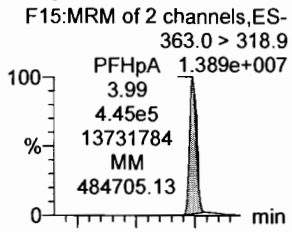

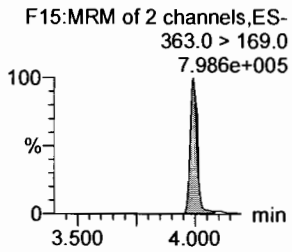

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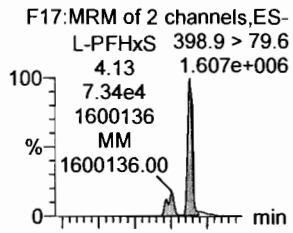

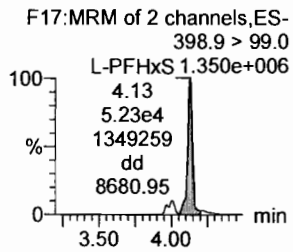

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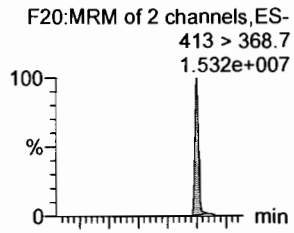

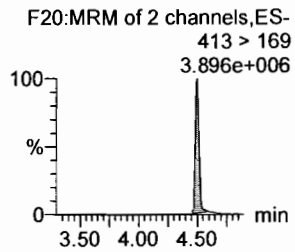

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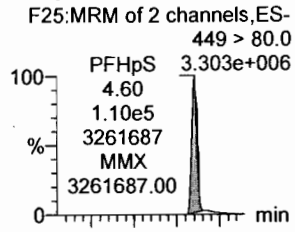

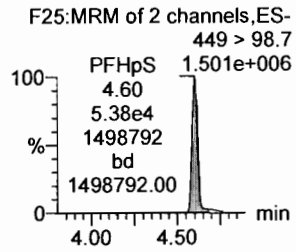

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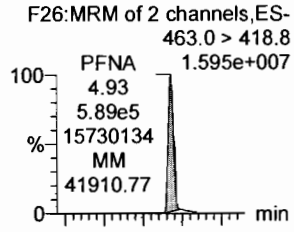

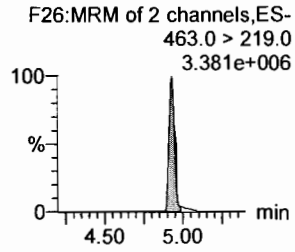

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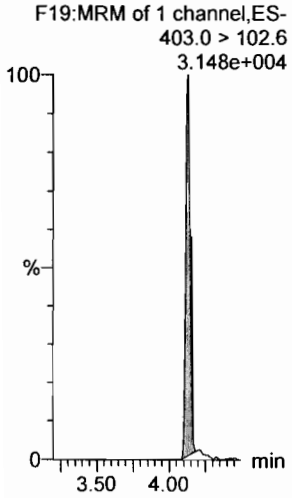

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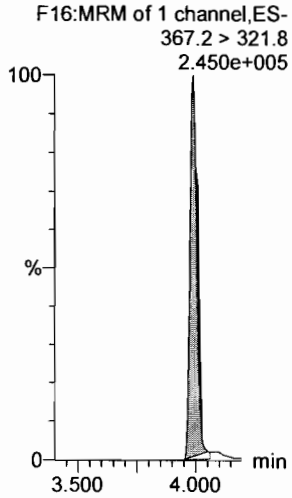

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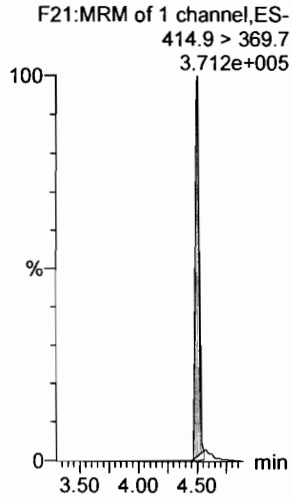

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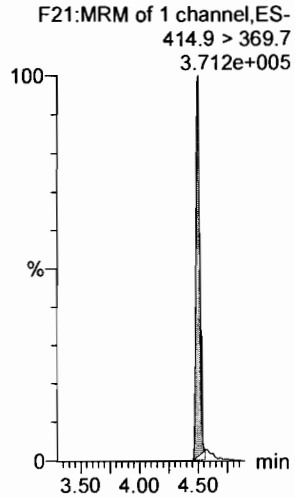

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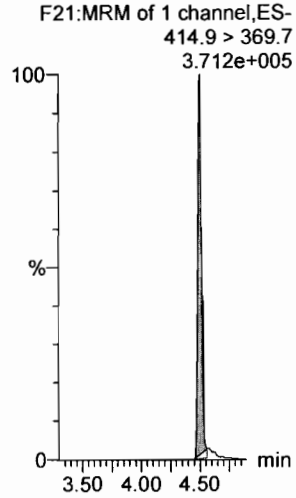

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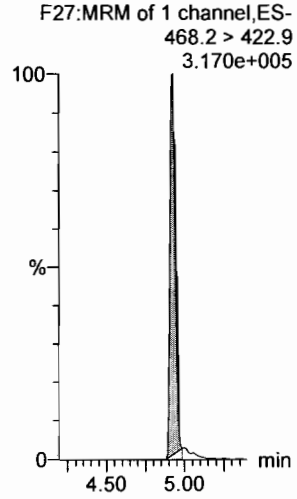

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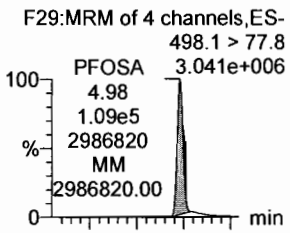
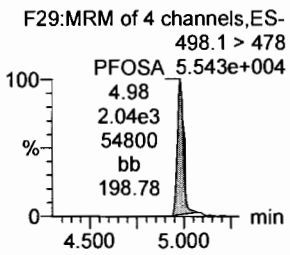
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_11, Date: 23-Feb-2018, Time: 22:30:54, ID: ST180223M2-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

PFOSA





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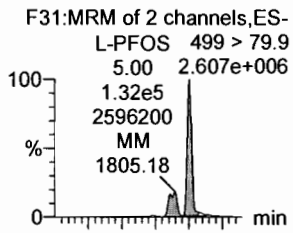

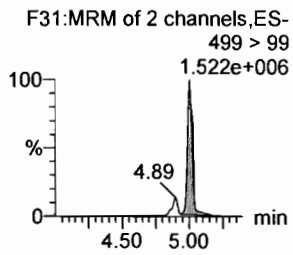

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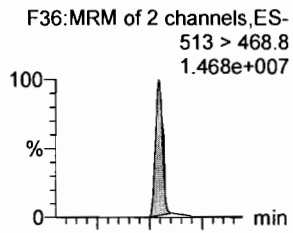

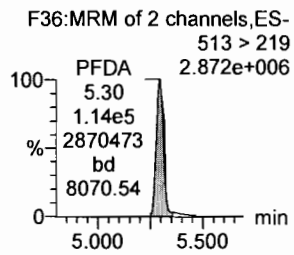

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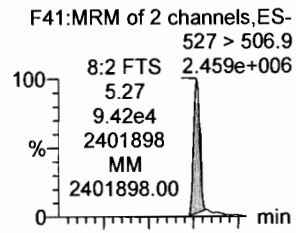

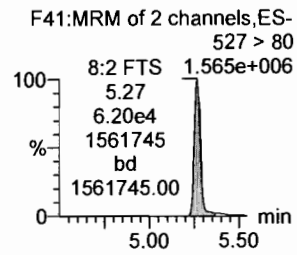

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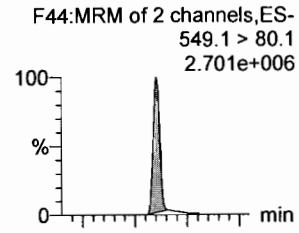

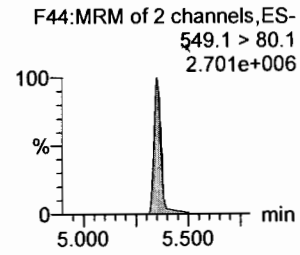

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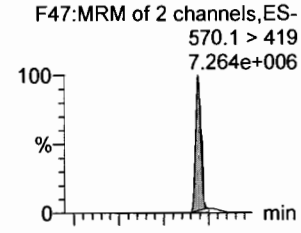

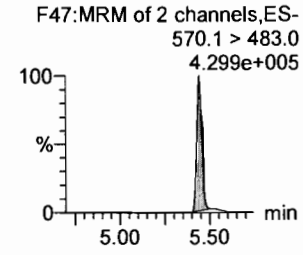

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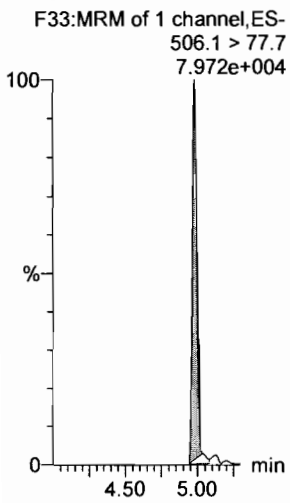

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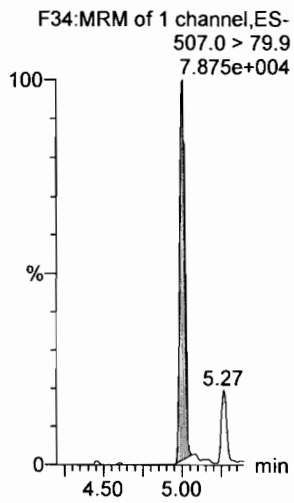

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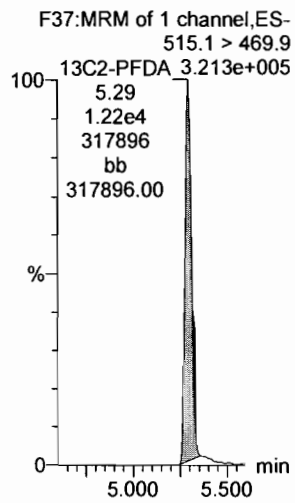

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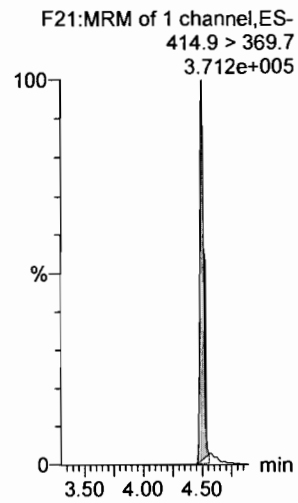

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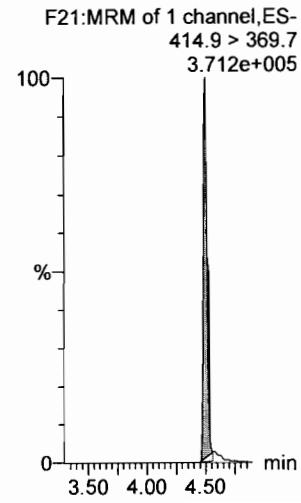

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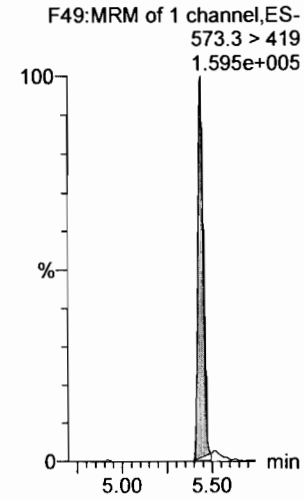

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Name: 180223M2_11, Date: 23-Feb-2018, Time: 22:30:54, ID: ST180223M2-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

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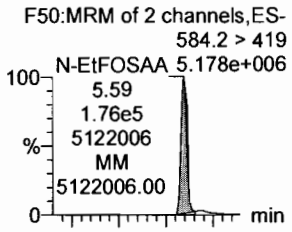

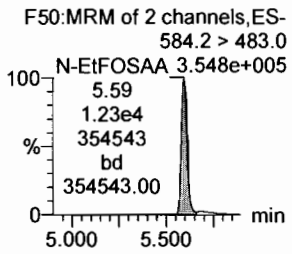

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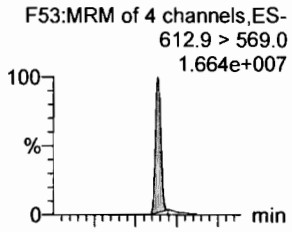

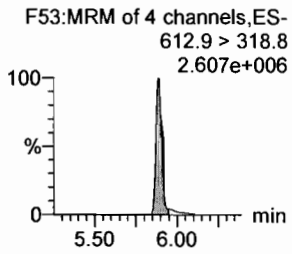

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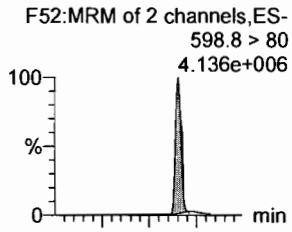

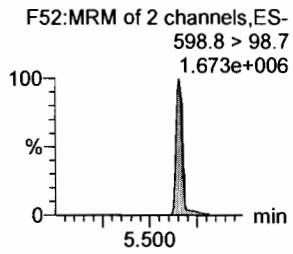

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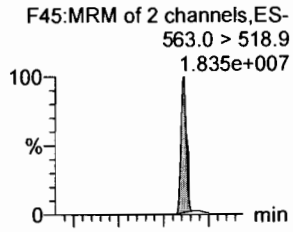

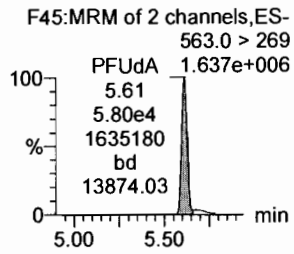

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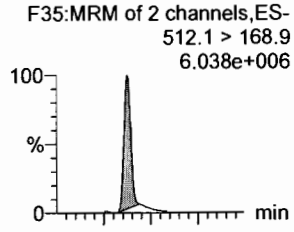

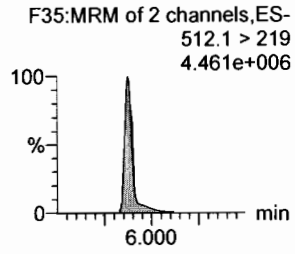

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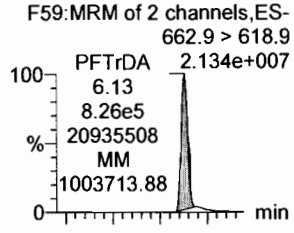
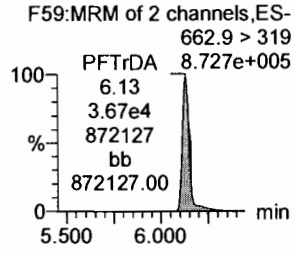
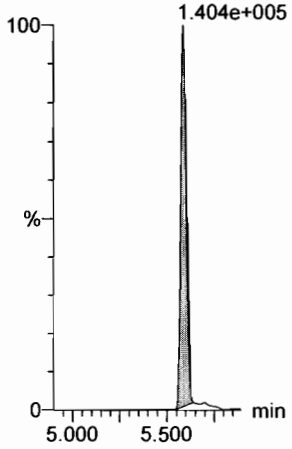
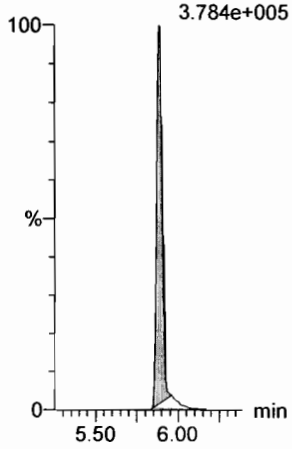




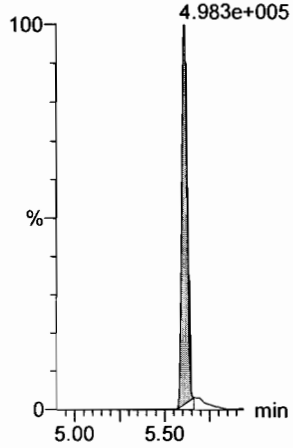
d5-N-EtFOSAA



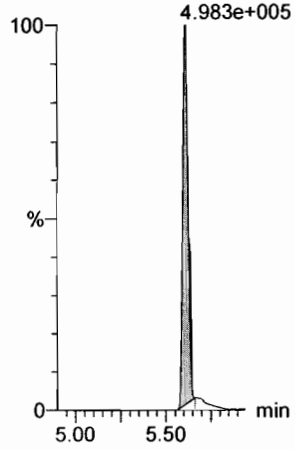
13C2-PFDoA



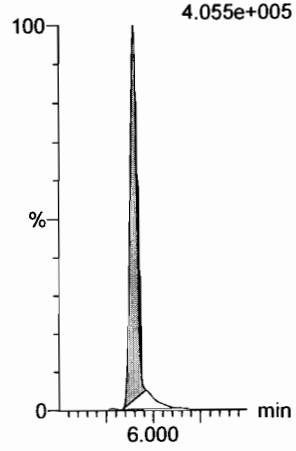
13C2-PFUdA



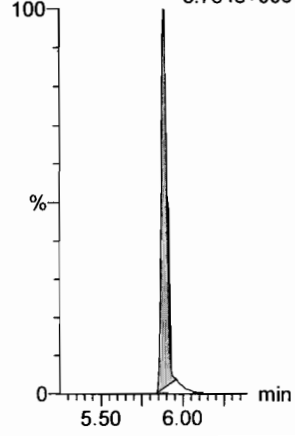
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

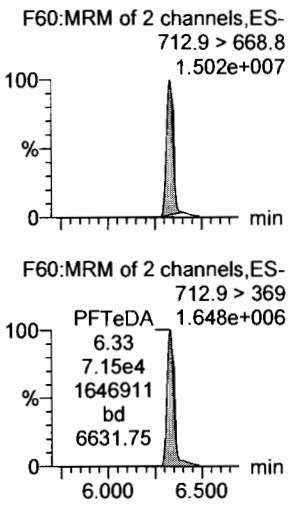


Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

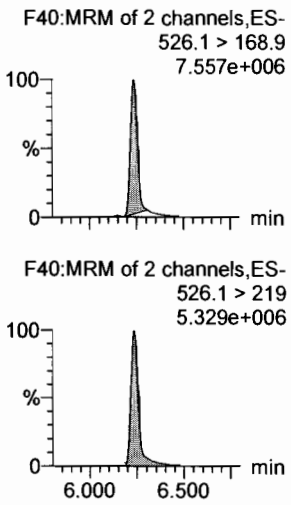
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_11, Date: 23-Feb-2018, Time: 22:30:54, ID: ST180223M2-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

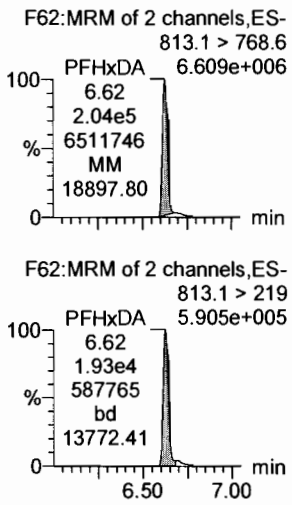
PFTeDA



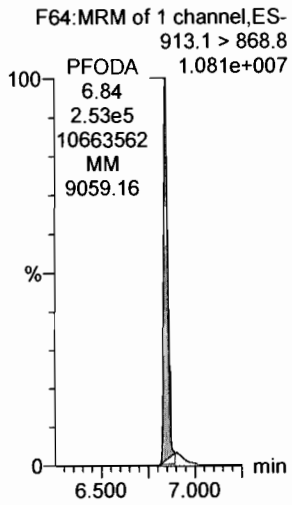
N-EtFOSA



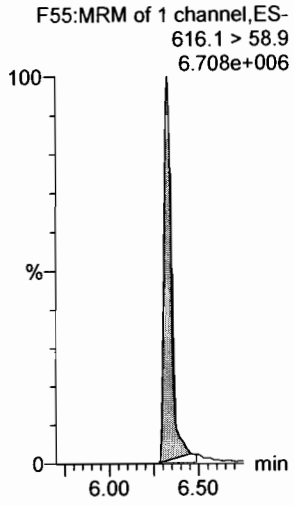
PFHxDA



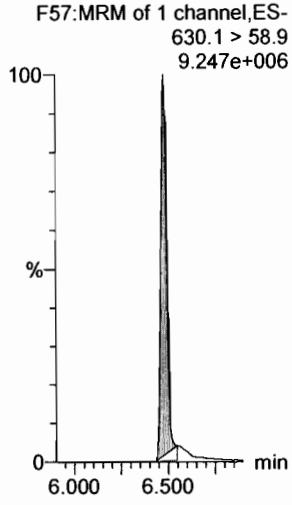
PFODA



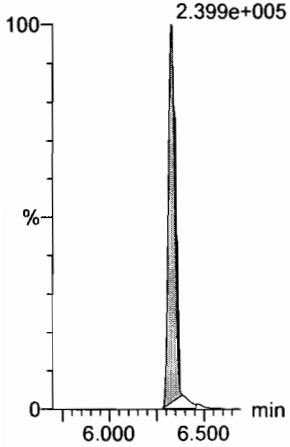
N-MeFOSE



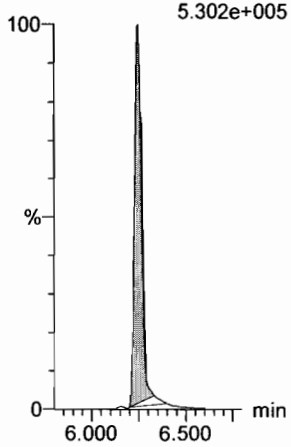
N-EtFOSE



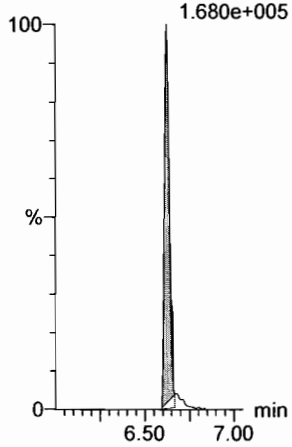
13C2-PFTeDA



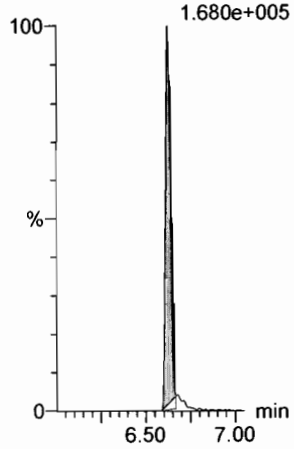
d5-N-ETFOSA



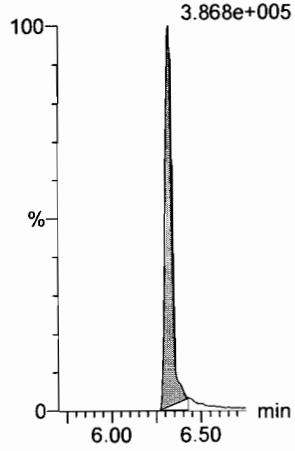
13C2-PFHxDA



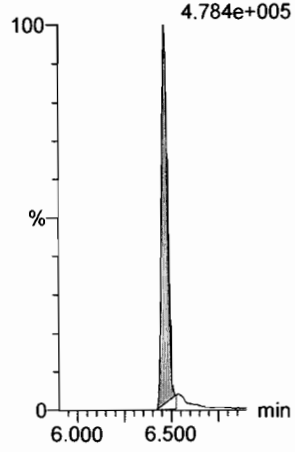
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

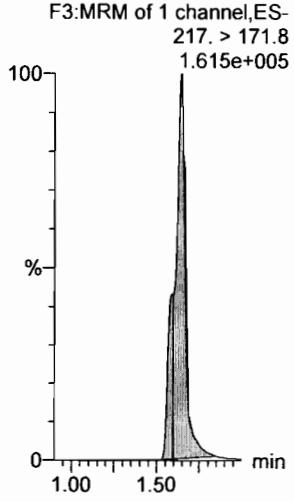


Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-CRV.qld

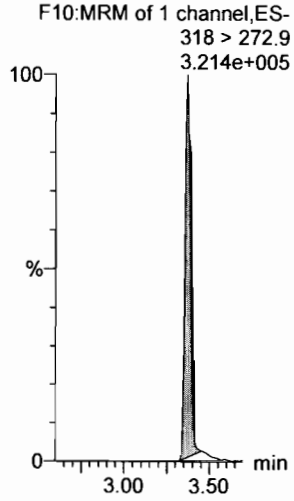
Last Altered: Saturday, February 24, 2018 14:25:54 Pacific Standard Time
Printed: Saturday, February 24, 2018 14:29:41 Pacific Standard Time

Name: 180223M2_11, Date: 23-Feb-2018, Time: 22:30:54, ID: ST180223M2-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

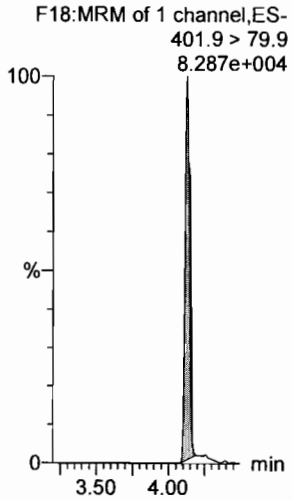
13C4-PFBA



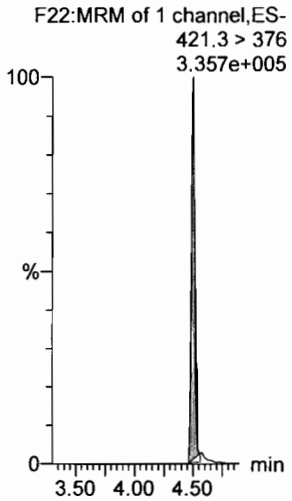
13C5-PFHxA



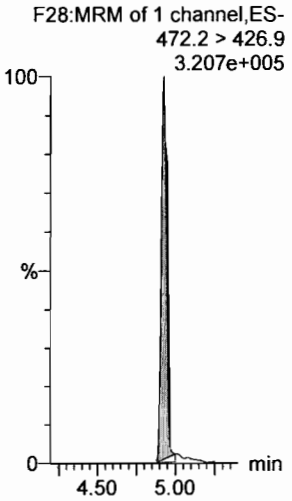
13C3-PFHxS



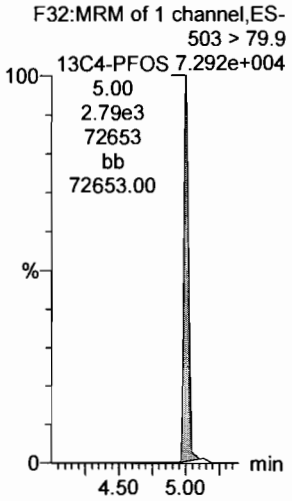
13C8-PFOA



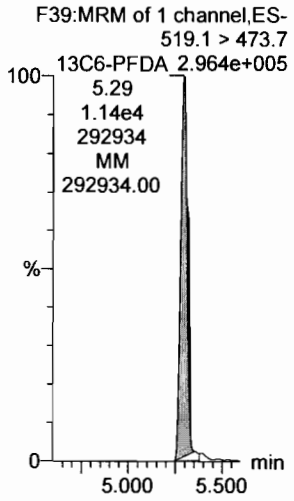
13C9-PFNA



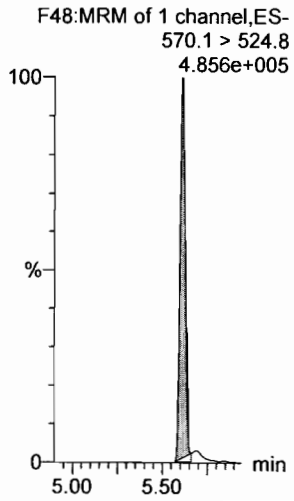
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-13.qld

Last Altered: Saturday, February 24, 2018 15:35:09 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:35:33 Pacific Standard Time

✓ JA. 02/24/2018

(A) Not in ICV.

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 24 Feb 2018 14:29:21
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180223M2_13, Date: 23-Feb-2018, Time: 22:53:52, ID: ICV180223M2-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1	PFBA	213.0 > 168.8	8.93e3	1.15e4		1.46	1.64	9.69	8.36	83.6	NO
2	2	PFPeA	263.1 > 218.9	9.36e3	1.32e4		2.42	2.60	8.84	8.78	87.8	NO
3	3	PFBS	299.0 > 79.7	1.86e3	1.71e3		2.60	2.87	13.5	7.27	72.7	NO
4	4	4:2 FTS	327.2>307.2	1.50e3	1.71e3		3.00	3.27	10.9	7.47	74.7	NO
5	5	PFHxA	313.2 > 268.9	1.26e4	3.97e3		3.19	3.37	15.8	10.5	105.0	NO
6	6	PFPeS	349.1>80.1	2.17e3	1.71e3		3.39	3.55	15.8	8.42	84.2	NO
7	7	PFHpA	363.0 > 318.9	9.67e3	1.10e4		3.81	3.98	11.0	8.39	83.9	NO
8	8	L-PFHxS	398.9 > 79.6	1.51e3	1.24e3		4.17	4.12	15.2	8.28	82.8	NO
9	10	6:2 FTS	427.1 > 407	2.60e3	1.48e4		4.28	4.44	2.20	9.66	96.6	NO
10	11	L-PFOA	413 > 368.7	1.03e4	1.48e4		4.50	4.49	8.68	8.73	87.3	NO
11	13	PFHpS	449 > 80.0	2.60e3	1.48e4		4.44	4.59	2.20	10.2	101.8	NO
12	14	PFNA	463.0 > 418.8	1.05e4	1.01e4		4.76	4.92	13.0	10.3	103.5	NO
13	15	PFOSA	498.1 > 77.8	2.70e3	3.22e3		4.83	4.97	10.5	10.3	102.8	NO
14	16	L-PFOS	499 > 79.9	2.24e3	3.68e3		5.04	5.00	7.61	7.02	70.2	NO
15	18	PFDA	513 > 468.8	1.42e4	1.33e4		5.14	5.29	13.3	10.2	101.6	NO
16	19	8:2 FTS	527 > 506.9	3.42e3	1.48e4		5.12	5.26	2.89	10.7	107.1	NO
17	20	PFNS	549.1>80.1	2.22e3	3.68e3		5.08	5.35	7.54	8.15	81.5	NO
18	21	N-MeFOSAA	570.1 > 419	6.21e3	5.71e3		5.29	5.44	13.6	9.37	93.7	NO
19	22	N-EtFOSAA	584.2 > 419	4.98e3	6.88e3		5.45	5.59	9.05	8.83	88.3	NO
20	23	PFUdA	563.0 > 518.9	1.46e4	2.09e4		5.46	5.61	8.75	8.81	88.1	NO
21	24	PFDS	598.8 > 80	3.17e3	2.09e4		5.51	5.65	1.89	8.17	81.7	NO
22	25	PFDoA	612.9 > 569.0	1.41e4	1.78e4		5.74	5.88	9.90	7.99	79.9	NO
23	26	N-MeFOSA	512.1 > 168.9		1.88e4		5.84				(A)	NO
24	27	PFTrDA	662.9 > 618.9	1.92e4	1.78e4		5.98	6.12	13.4	10.2	101.6	NO
25	28	PFTeDA	712.9 > 668.8	1.53e4	1.16e4		6.20	6.33	16.5	8.46	84.6	NO
26	29	N-EtFOSA	526.1 > 168.9		2.67e4		6.22				(A)	NO
27	30	PFHxDA	813.1 > 768.6		5.89e3		6.51					NO
28	31	PFODA	913.1 > 868.8		5.89e3		6.74					NO
29	32	N-MeFOSE	616.1 > 58.9		1.74e4		6.31					NO
30	33	N-EtFOSE	630.1 > 58.9		1.93e4		6.45					NO
31	34	13C3-PFBA	216.1 > 171.8	1.15e4	1.23e4	0.892	1.46	1.64	11.7	13.1	104.9	NO

gm 2/24/18

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Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-13.qld

Last Altered: Saturday, February 24, 2018 15:35:09 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:35:33 Pacific Standard Time

Name: 180223M2_13, Date: 23-Feb-2018, Time: 22:53:52, ID: ICV180223M2-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35	13C3-PFPeA	266. > 221.8	1.32e4	1.32e4	0.919	2.42	2.60	12.5	13.6	109.2	NO
33	36	13C3-PFBS	302. > 98.8	1.71e3	1.32e4	0.116	2.69	2.87	1.62	14.0	112.0	NO
34	37	13C2-PFHxA	315 > 269.8	3.97e3	1.32e4	0.732	3.19	3.36	3.76	5.14	102.7	NO
35	38	13C4-PFHpA	367.2 > 321.8	1.10e4	1.32e4	0.717	3.81	3.98	10.4	14.6	116.6	NO
36	39	18O2-PFHxS	403.0 > 102.6	1.24e3	3.54e3	0.368	3.96	4.12	4.38	11.9	95.3	NO
37	40	13C2-PFOA	414.9 > 369.7	1.48e4	1.23e4	1.311	4.33	4.49	15.0	11.5	91.7	NO
38	41	13C5-PFNA	468.2 > 422.9	1.01e4	1.24e4	0.974	4.76	4.92	10.2	10.4	83.4	NO
39	42	13C8-PFOSA	506.1 > 77.7	3.22e3	1.84e4	0.187	4.83	4.98	2.19	11.7	93.6	NO
40	43	13C8-PFOS	507.0 > 79.9	3.68e3	3.19e3	1.075	4.84	4.99	14.4	13.4	107.4	NO
41	44	13C2-PFDA	515.1 > 469.9	1.33e4	1.35e4	1.019	5.14	5.29	12.3	12.1	96.4	NO
42	45	d3-N-MeFOSAA	573.3 > 419	5.71e3	1.84e4	0.325	5.29	5.43	3.89	12.0	95.8	NO
43	46	d5-N-EtFOSAA	589.3 > 419	6.88e3	1.84e4	0.345	5.45	5.59	4.69	13.6	108.7	NO
44	47	13C2-PFUdA	565 > 519.8	2.09e4	1.84e4	1.071	5.46	5.61	14.3	13.3	106.5	NO
45	48	13C2-PFDoA	615.0 > 569.7	1.78e4	1.84e4	0.995	5.74	5.88	12.2	12.2	97.7	NO
46	49	d3-N-MeFOSA	515.2 > 168.9	1.88e4	1.84e4	0.090	5.84	5.89	12.8	142	95.0	NO
47	50	13C2-PFTeDA	714.8 > 669.6	1.16e4	1.84e4	0.551	6.20	6.32	7.92	14.4	114.8	NO
48	51	d5-N-ETFOSA	531.1 > 168.9	2.67e4	1.84e4	0.127	6.22	6.24	18.2	143	95.6	NO
49	52	13C2-PFHxDA	815 > 769.7	5.89e3	1.84e4	0.752	6.51	6.62	4.01	5.34	106.8	NO
50	53	d7-N-MeFOSE	623.1 > 58.9	1.74e4	1.84e4	0.098	6.31	6.32	11.8	120	80.3	NO
51	54	d9-N-EtFOSE	639.2 > 58.8	1.93e4	1.84e4	0.086	6.45	6.47	13.2	152	101.5	NO
52	55	13C4-PFBA	217. > 171.8	1.23e4	1.23e4	1.000	1.46	1.64	12.5	12.5	100.0	NO
53	56	13C5-PFHxA	318 > 272.9	1.32e4	1.32e4	1.000	3.19	3.36	12.5	12.5	100.0	NO
54	57	13C3-PFHxS	401.9 > 79.9	3.54e3	3.54e3	1.000	3.96	4.12	12.5	12.5	100.0	NO
55	58	13C8-PFOA	421.3 > 376	1.23e4	1.23e4	1.000	4.33	4.49	12.5	12.5	100.0	NO
56	59	13C9-PFNA	472.2 > 426.9	1.24e4	1.24e4	1.000	4.70	4.92	12.5	12.5	100.0	NO
57	60	13C4-PFOS	503 > 79.9	3.19e3	3.19e3	1.000	4.84	5.00	12.5	12.5	100.0	NO
58	61	13C6-PFDA	519.1 > 473.7	1.35e4	1.35e4	1.000	5.14	5.29	12.5	12.5	100.0	NO
59	62	13C7-PFUdA	570.1 > 524.8	1.84e4	1.84e4	1.000	5.46	5.61	12.5	12.5	100.0	NO

Dataset: F:\Projects\PFAS.PRO\Results\180223M2\180223M2-13.qld

Last Altered: Saturday, February 24, 2018 15:35:09 Pacific Standard Time
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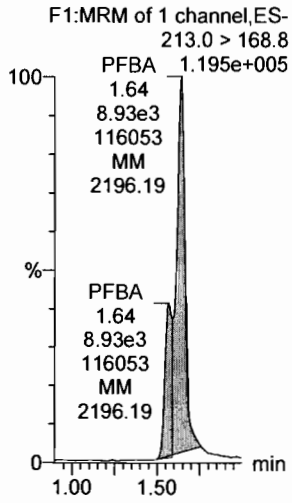
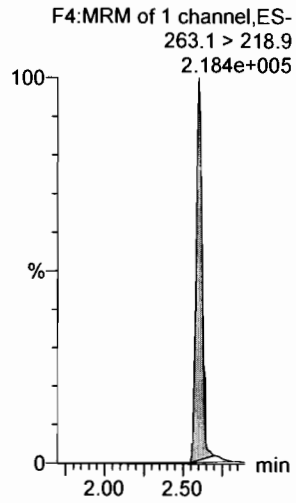
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022318.mdb 24 Feb 2018 14:29:21
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-23-18-FULL.cdb 24 Feb 2018 15:27:24

Name: 180223M2_13, Date: 23-Feb-2018, Time: 22:53:52, ID: ICV180223M2-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

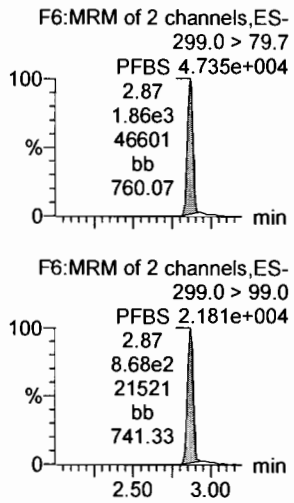
PFBA



PFPeA



PFBS



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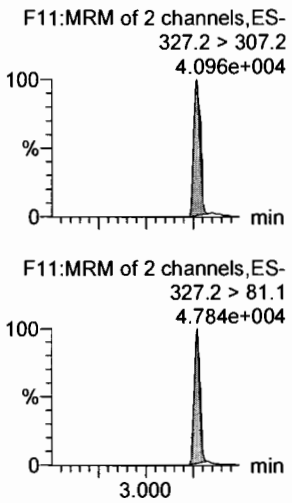

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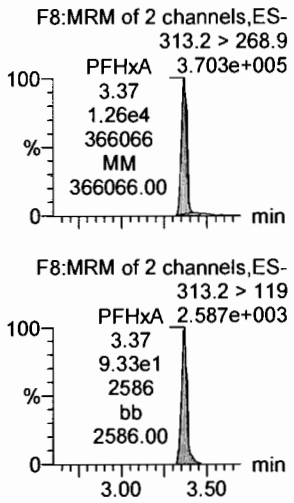

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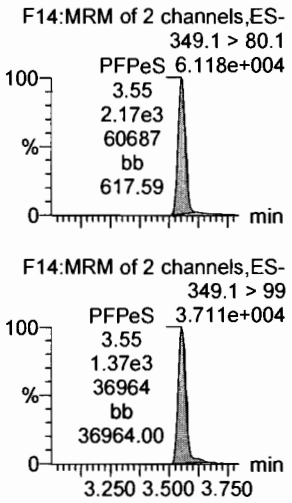
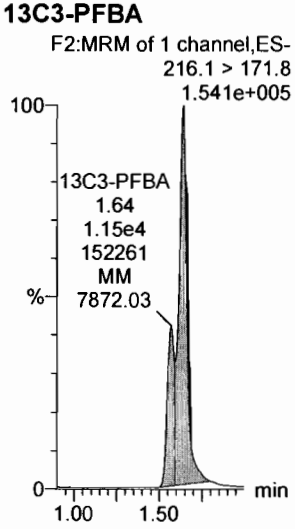


13C3-PFBA



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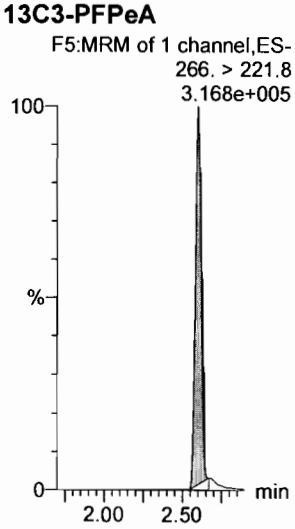

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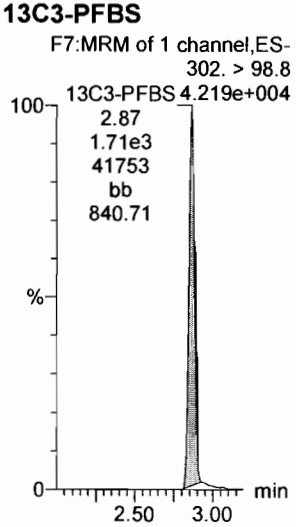

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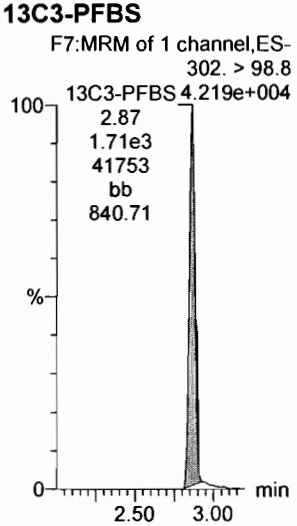

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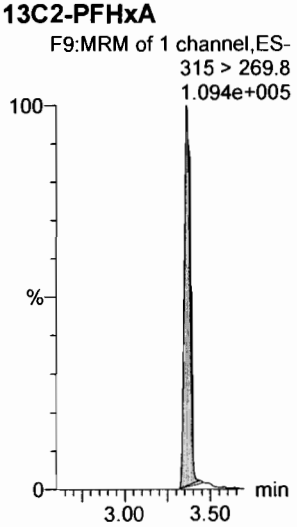

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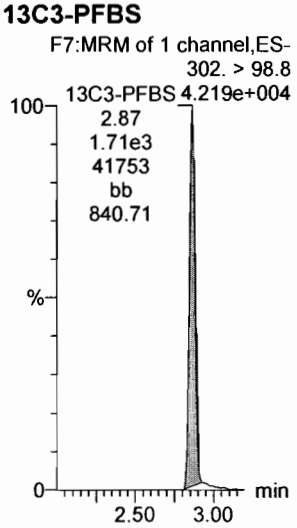

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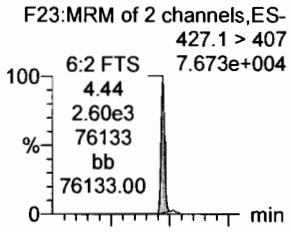
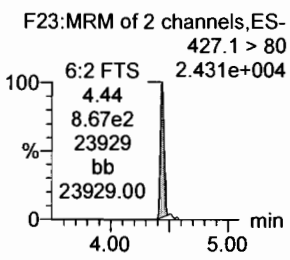
Name: 180223M2_13, Date: 23-Feb-2018, Time: 22:53:52, ID: ICV180223M2-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

6:2 FTS





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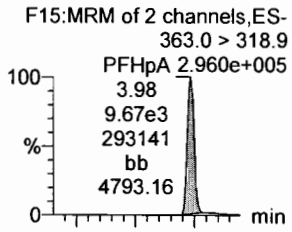

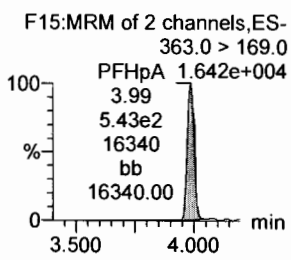

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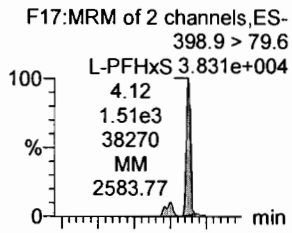

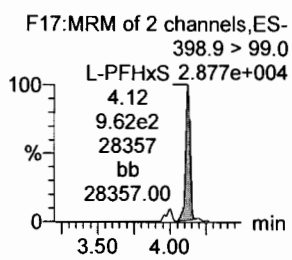

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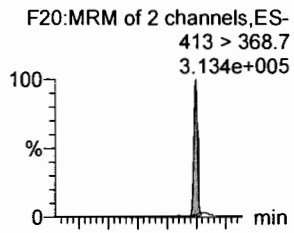

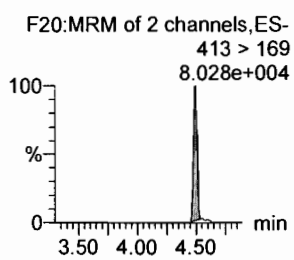

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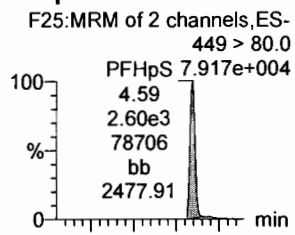

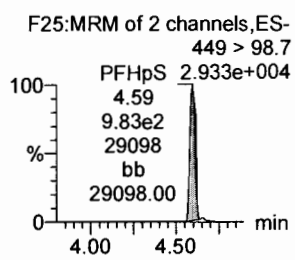

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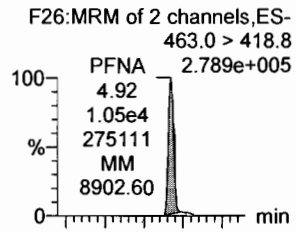

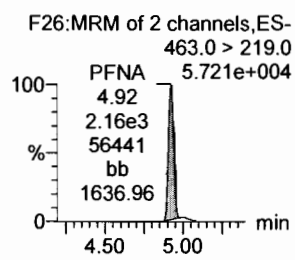

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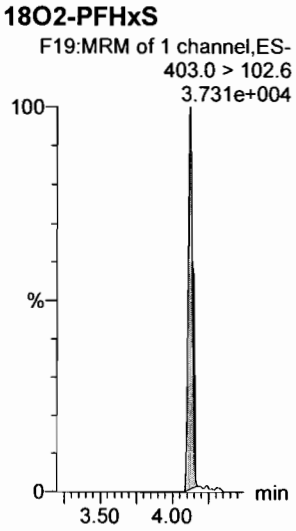

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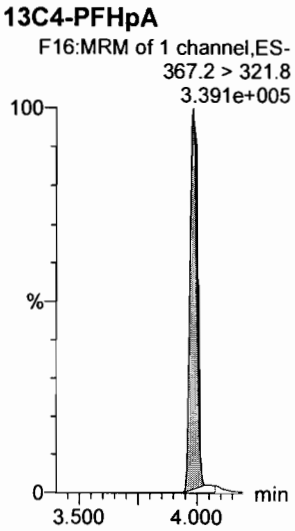

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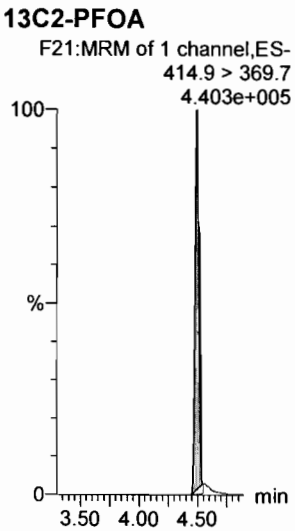

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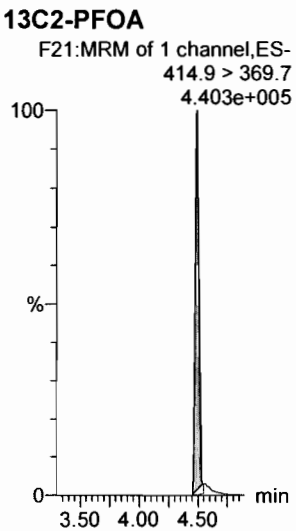

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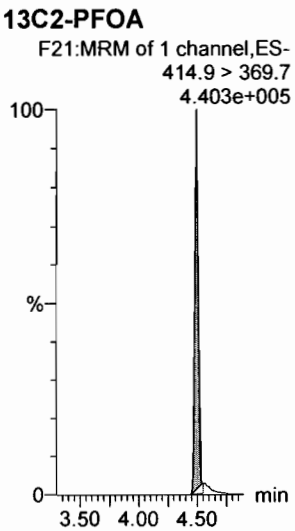

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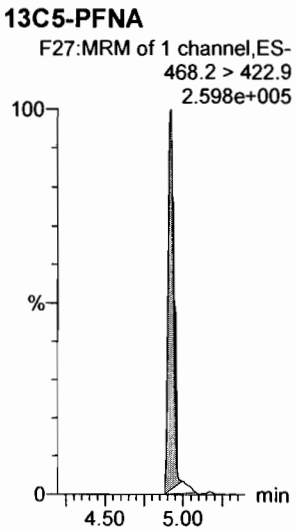

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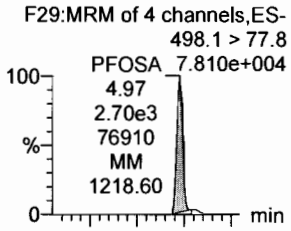
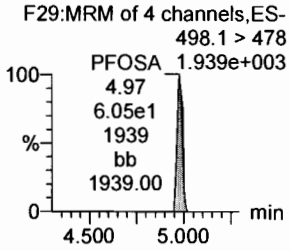
Name: 180223M2_13, Date: 23-Feb-2018, Time: 22:53:52, ID: ICV180223M2-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

PFOSA





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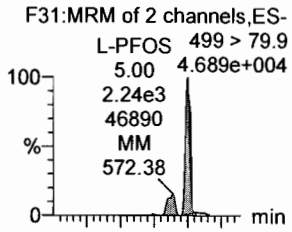

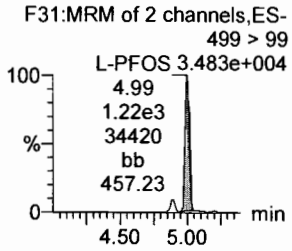

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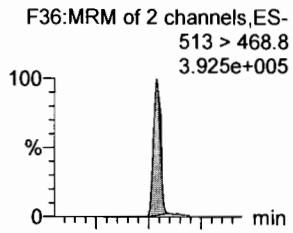
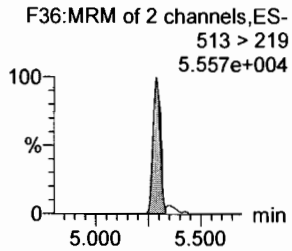
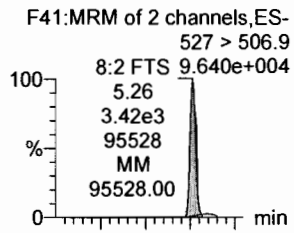
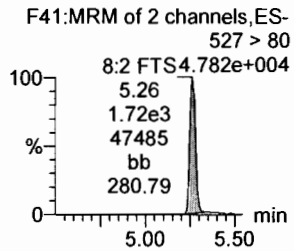




8:2 FTS





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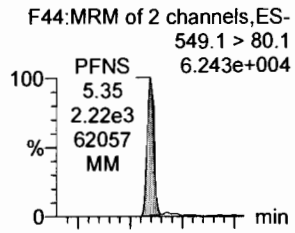

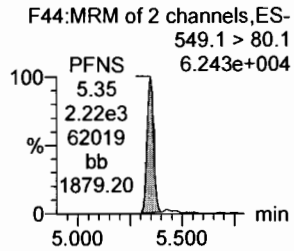

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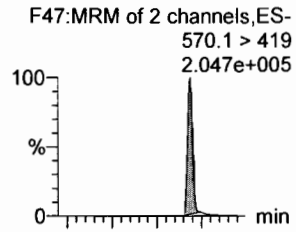
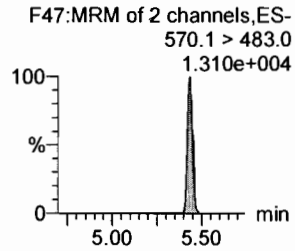
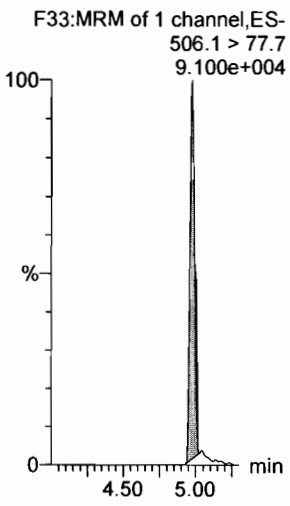




13C8-PFOSA



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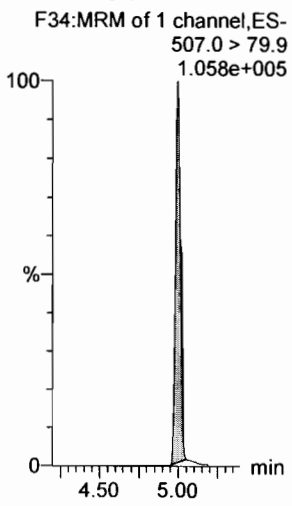

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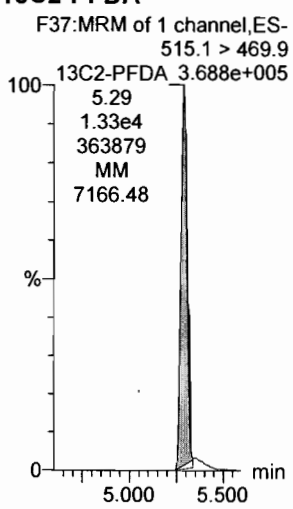

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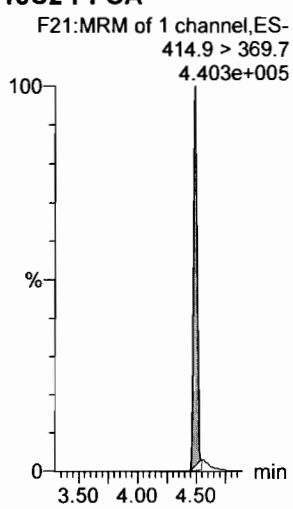

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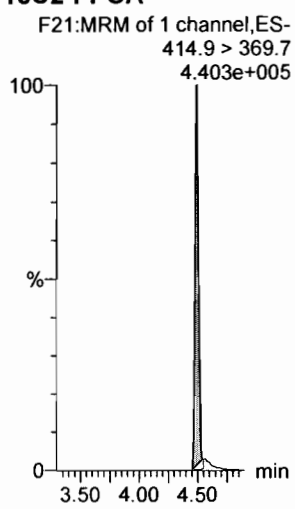

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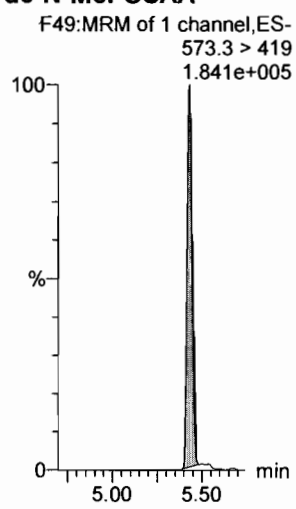

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Name: 180223M2_13, Date: 23-Feb-2018, Time: 22:53:52, ID: ICV180223M2-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

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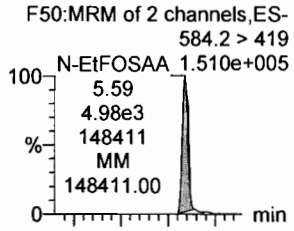

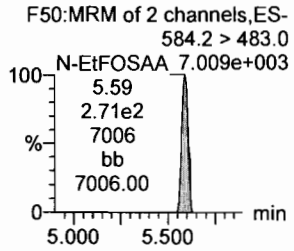

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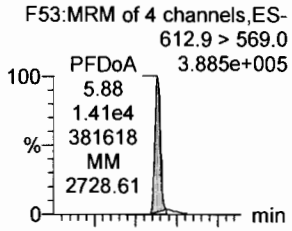

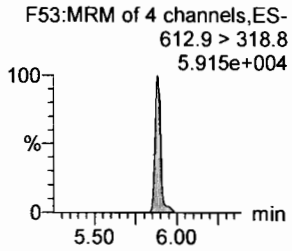

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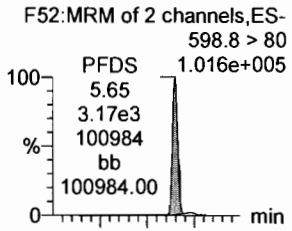

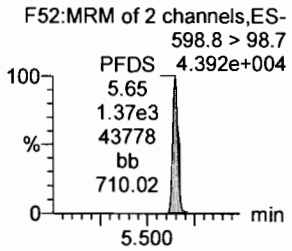

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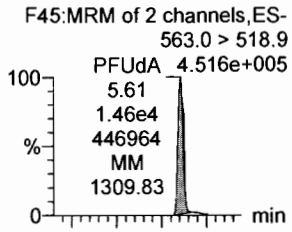

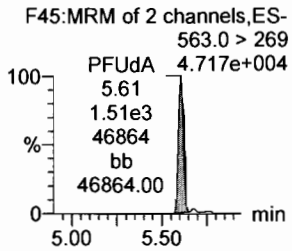

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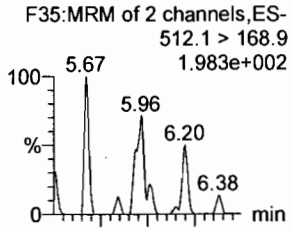

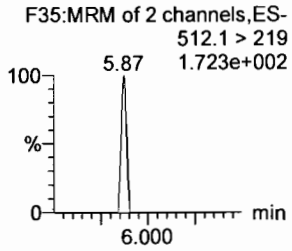

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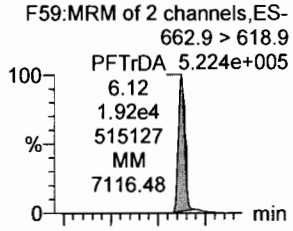

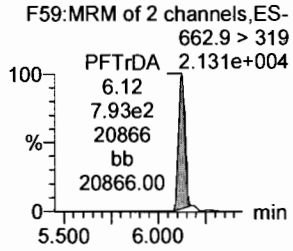

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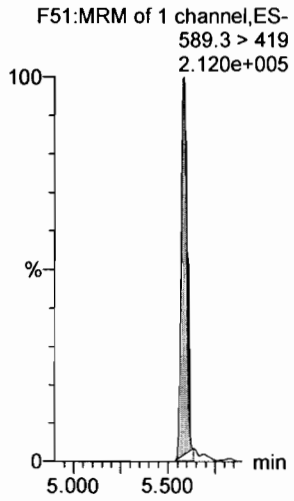

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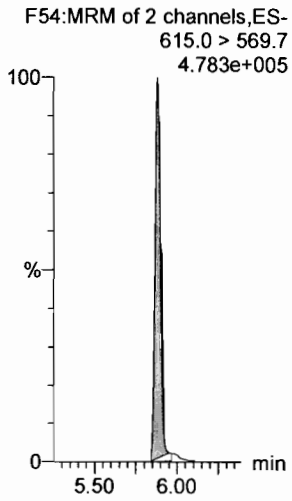

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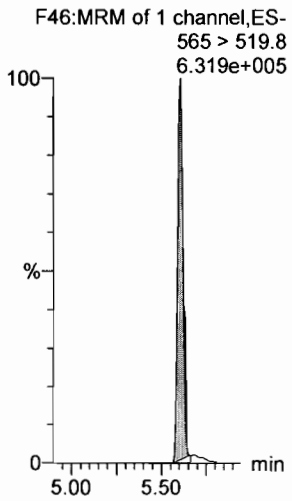

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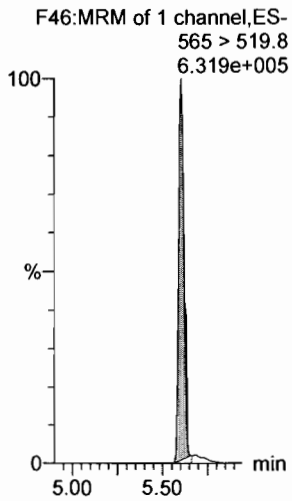

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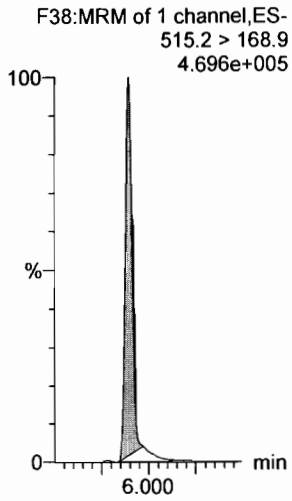

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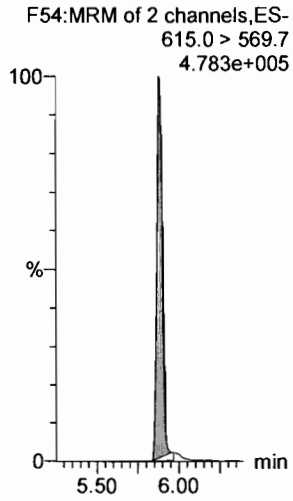

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Last Altered: Saturday, February 24, 2018 15:35:09 Pacific Standard Time
Printed: Saturday, February 24, 2018 15:35:33 Pacific Standard Time

Name: 180223M2_13, Date: 23-Feb-2018, Time: 22:53:52, ID: ICV180223M2-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

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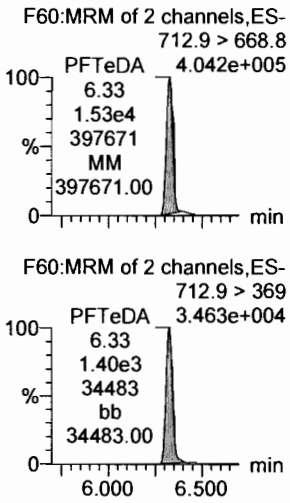

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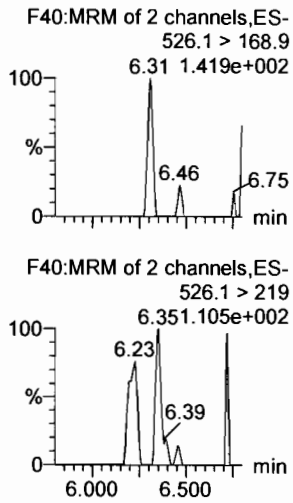

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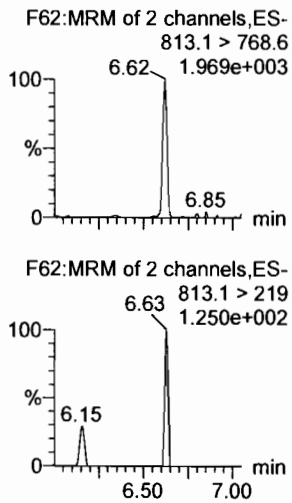
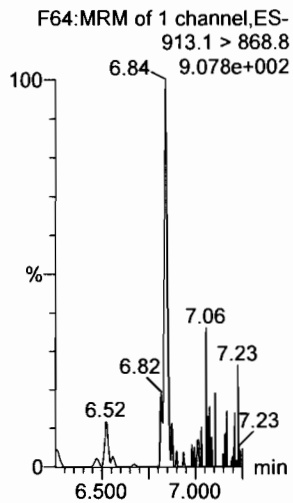


PFODA



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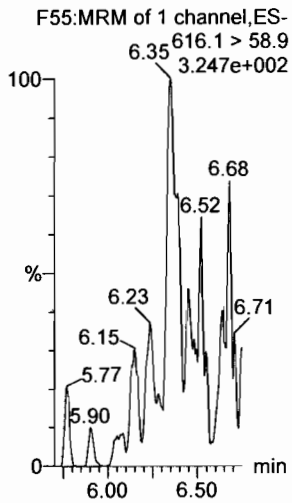

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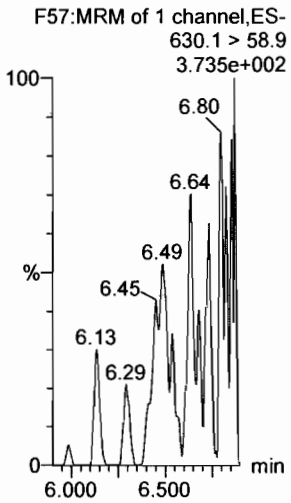

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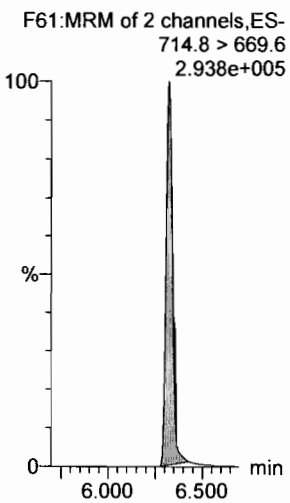

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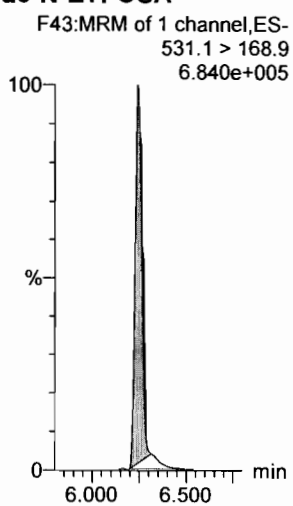

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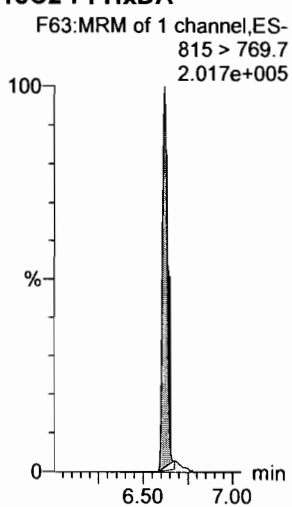

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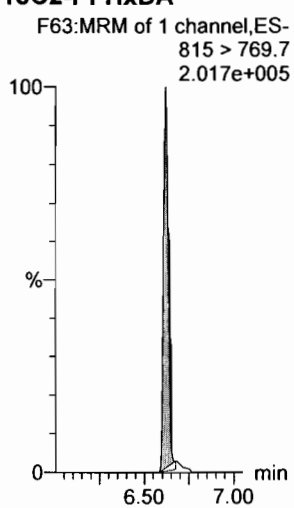

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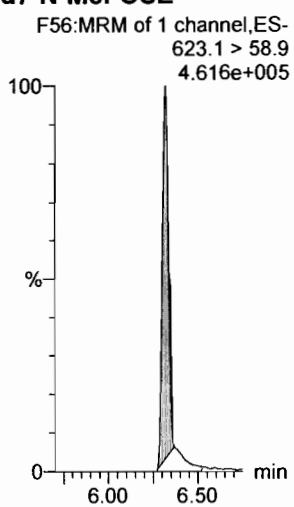

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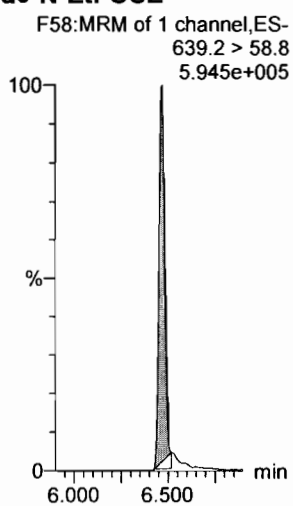

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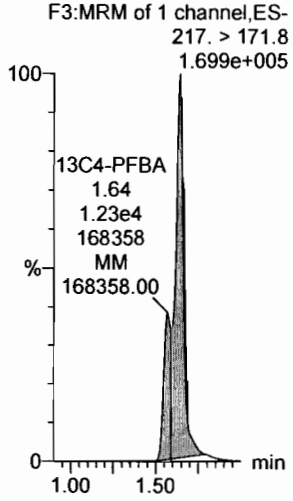
Printed: Saturday, February 24, 2018 15:35:33 Pacific Standard Time

Name: 180223M2_13, Date: 23-Feb-2018, Time: 22:53:52, ID: ICV180223M2-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

13C4-PFBA



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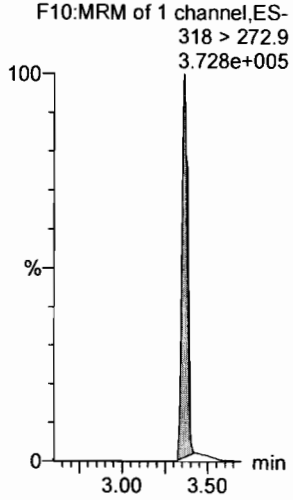
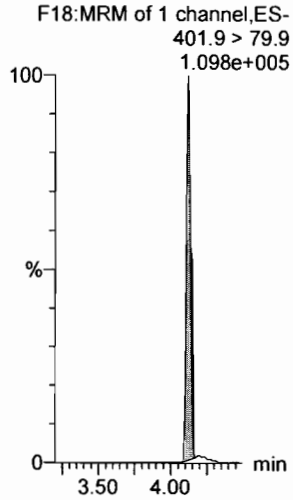


13C3-PFHxS



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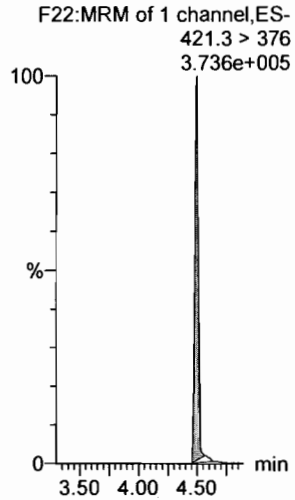

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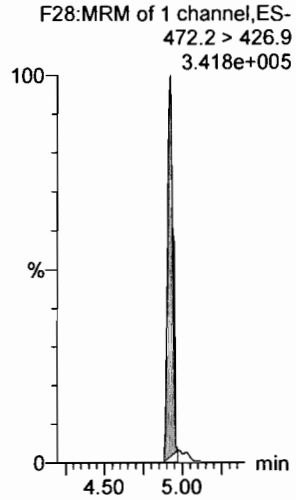

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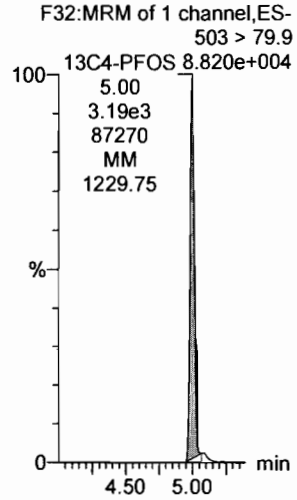

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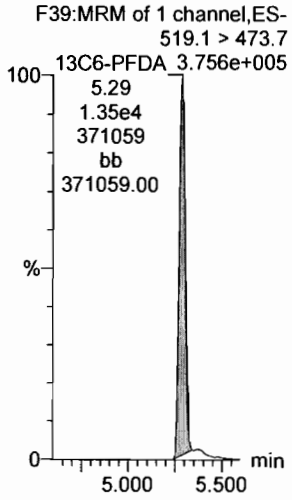

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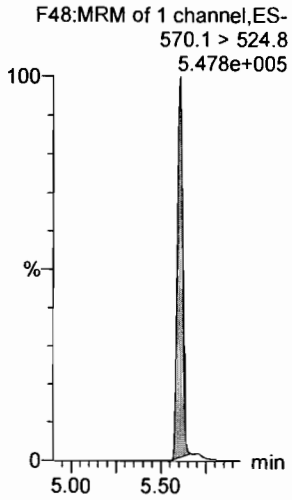


Vista Analytical Laboratory

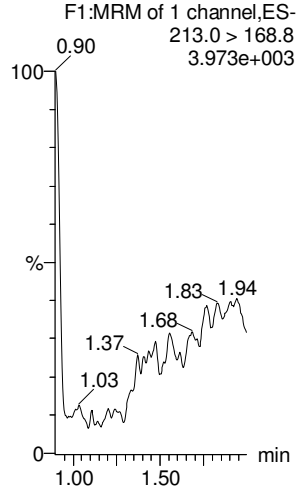
Dataset: Untitled

Last Altered: Friday, February 23, 2018 18:46:06 Pacific Standard Time
Printed: Friday, February 23, 2018 18:46:09 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022218.mdb 23 Feb 2018 08:58:55
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-22-18-FULL.cdb 23 Feb 2018 10:57:03

Name: 180223M1_3, Date: 23-Feb-2018, Time: 15:37:32, ID: IPA, Description: IPA

PFBA



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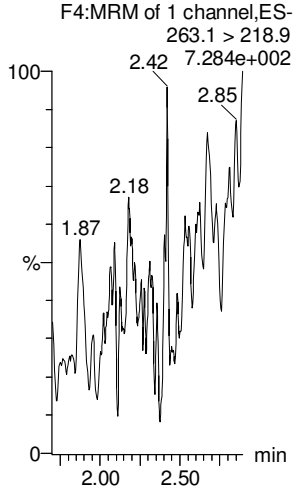

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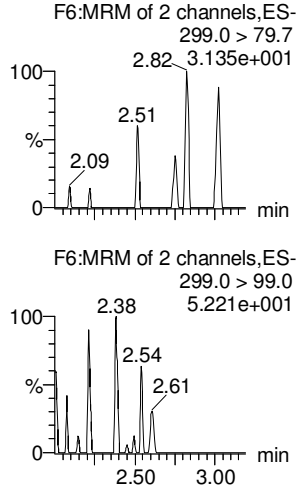
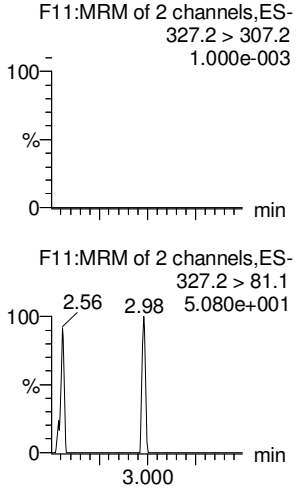


4:2 FTS



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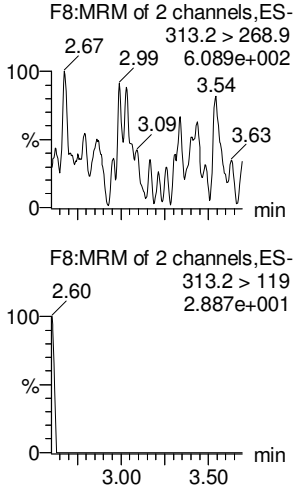

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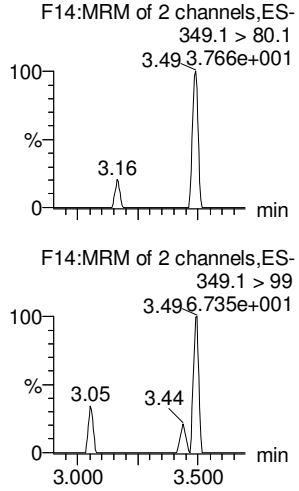

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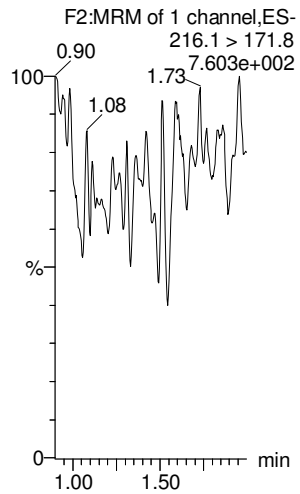

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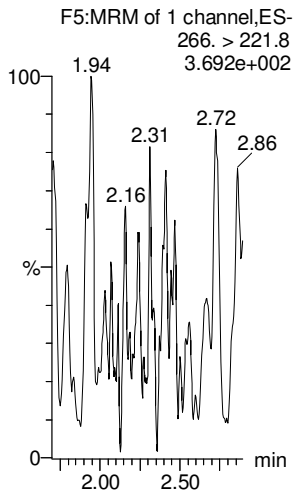

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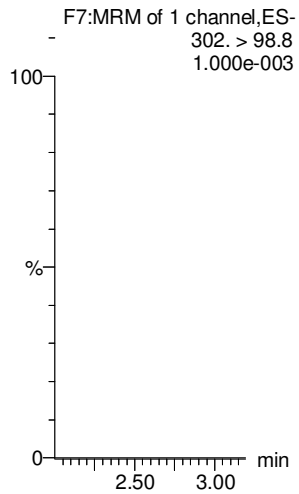

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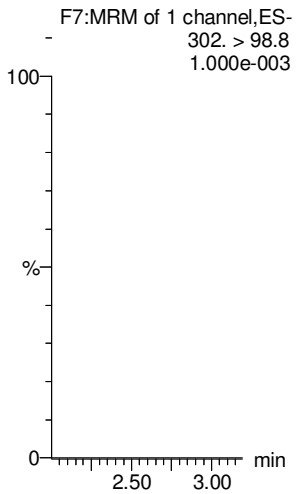

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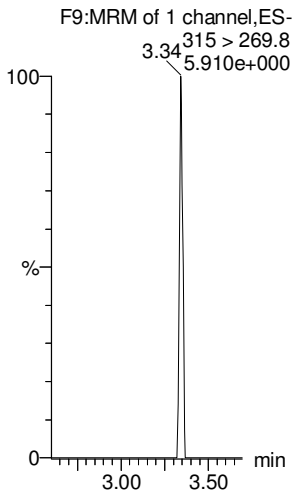

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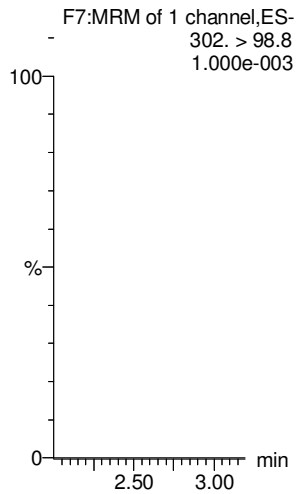

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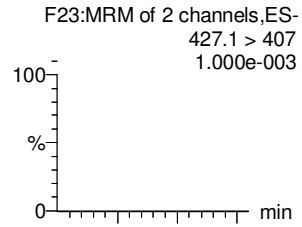
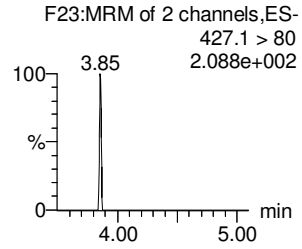
Last Altered: Friday, February 23, 2018 18:46:06 Pacific Standard Time
Printed: Friday, February 23, 2018 18:46:09 Pacific Standard Time

Name: 180223M1_3, Date: 23-Feb-2018, Time: 15:37:32, ID: IPA, Description: IPA

6:2 FTS





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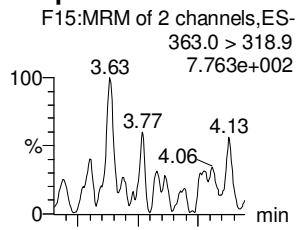
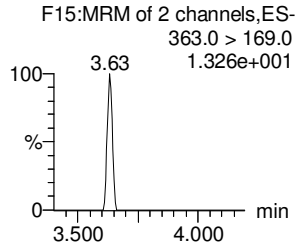
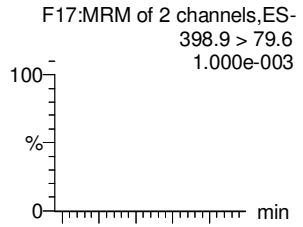
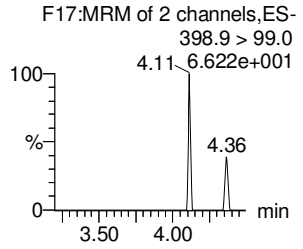




L-PFHxS





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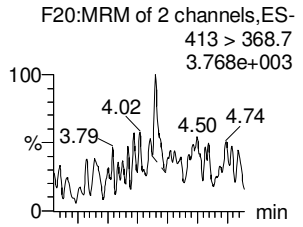

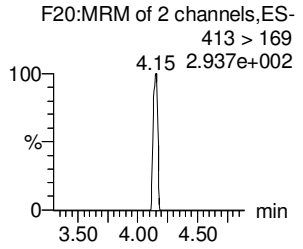

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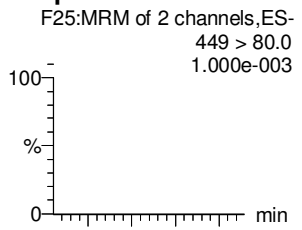

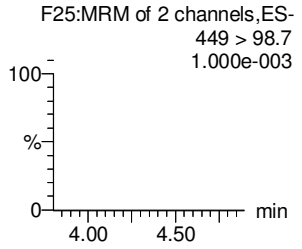

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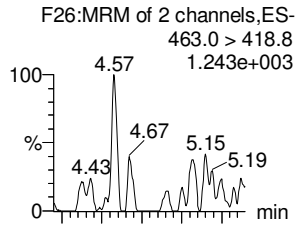

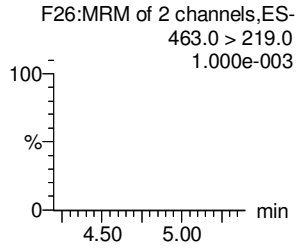

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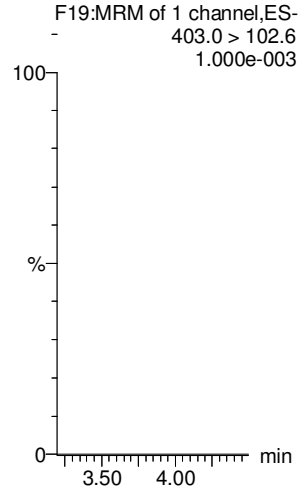

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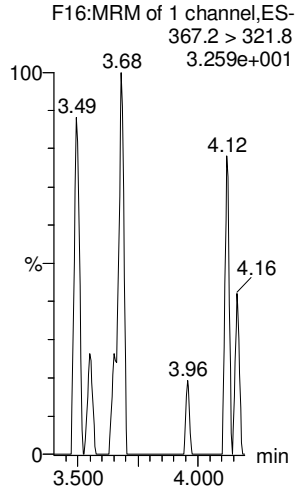

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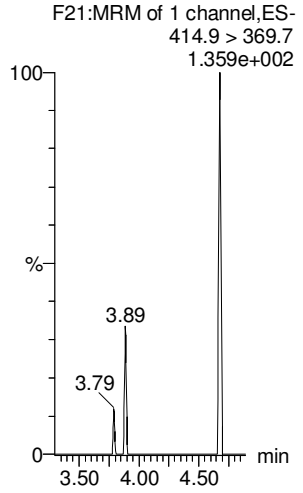

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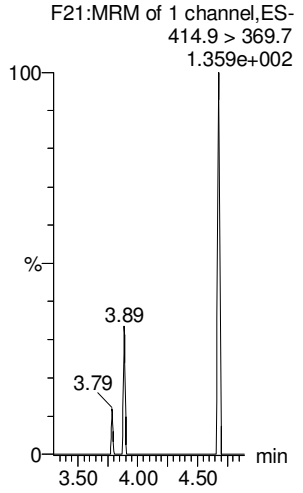

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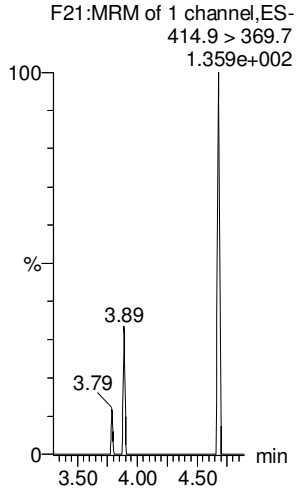

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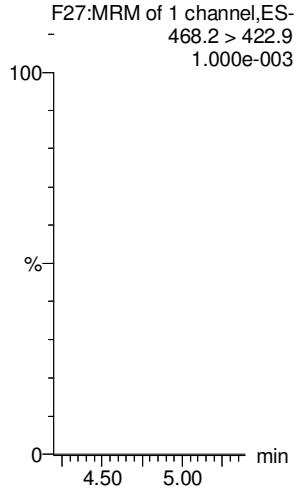

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Name: 180223M1_3, Date: 23-Feb-2018, Time: 15:37:32, ID: IPA, Description: IPA

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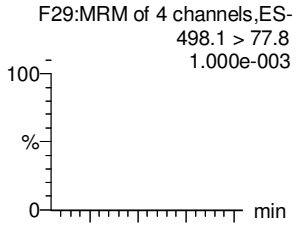

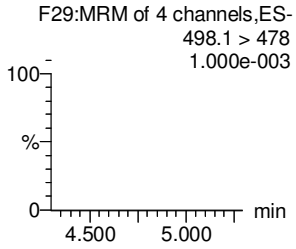

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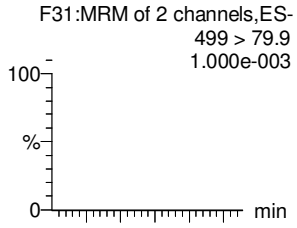

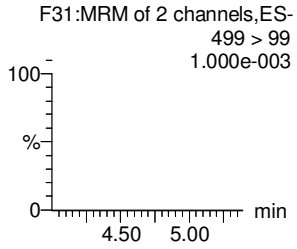

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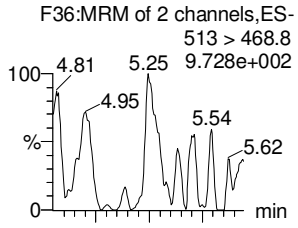

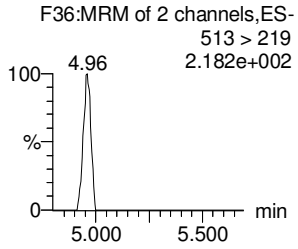

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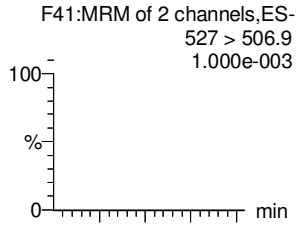

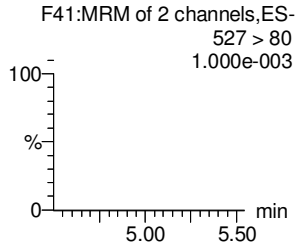

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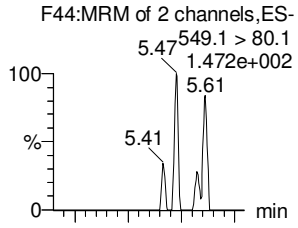

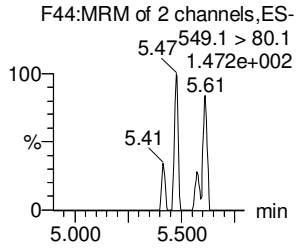

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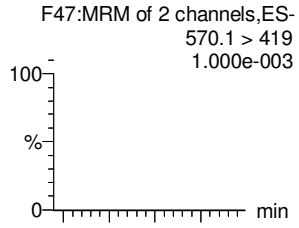

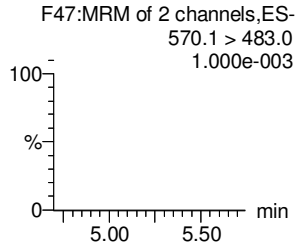

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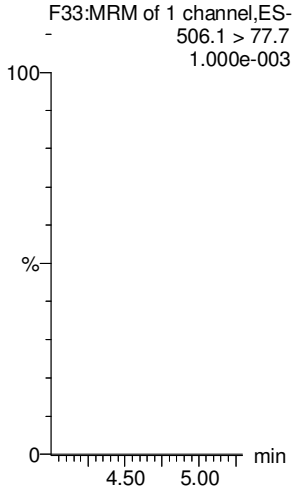

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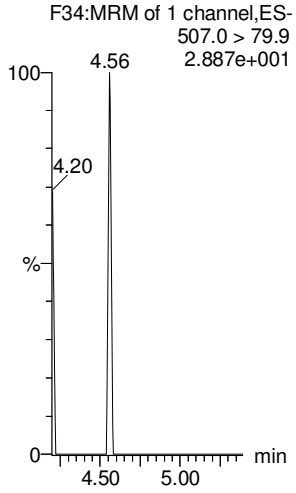

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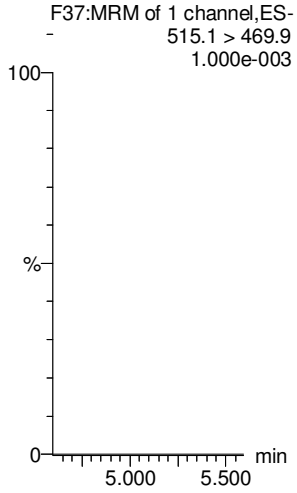

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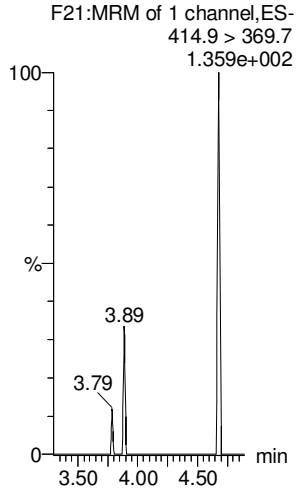

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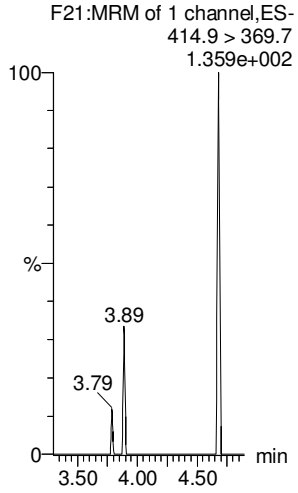

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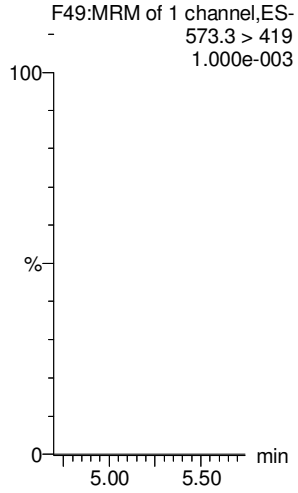

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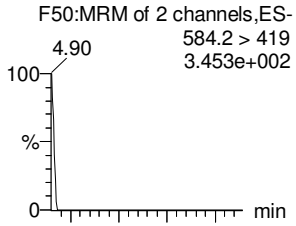

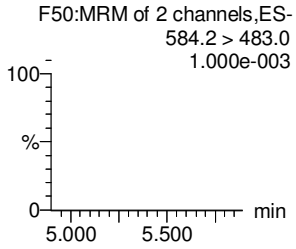

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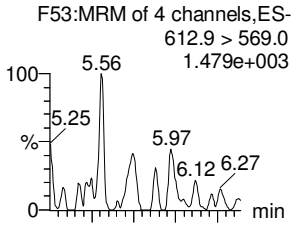

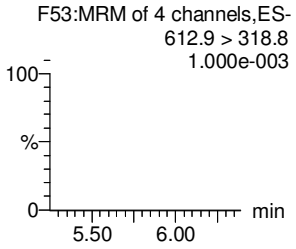

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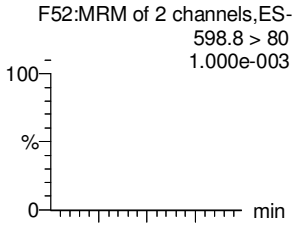

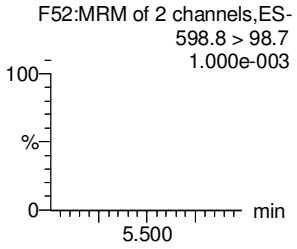

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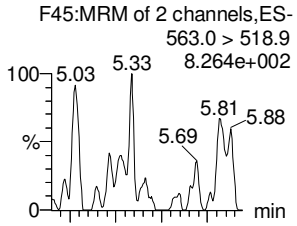

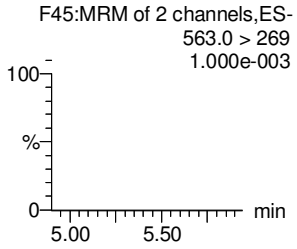

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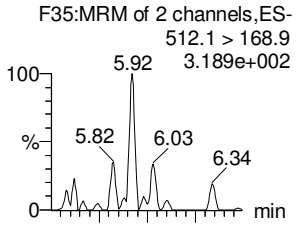

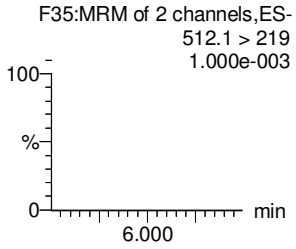

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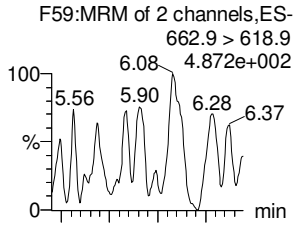

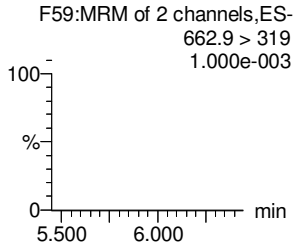

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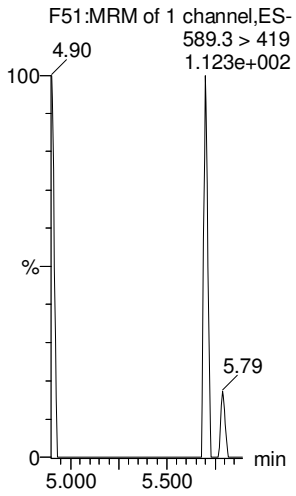

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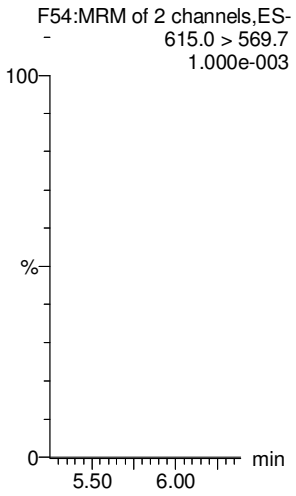

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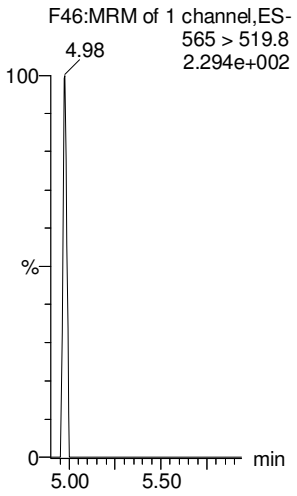

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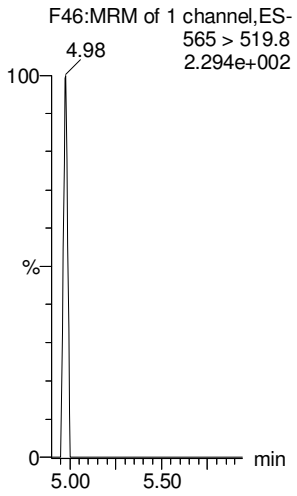

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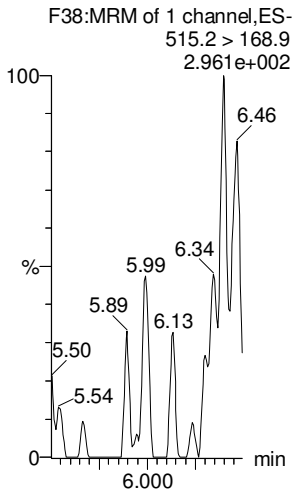

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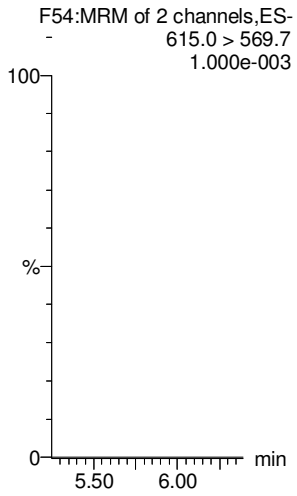

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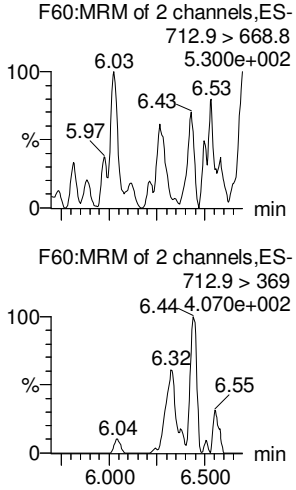

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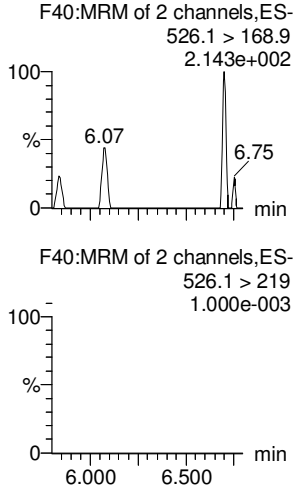

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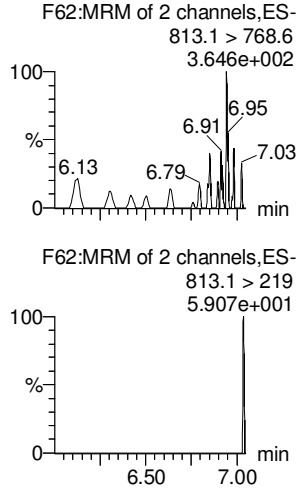

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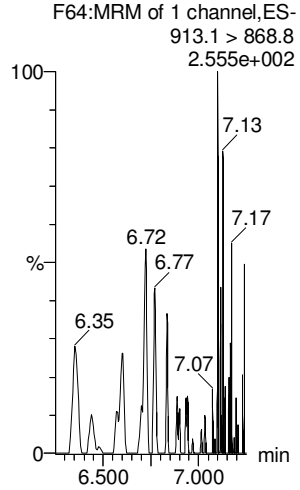

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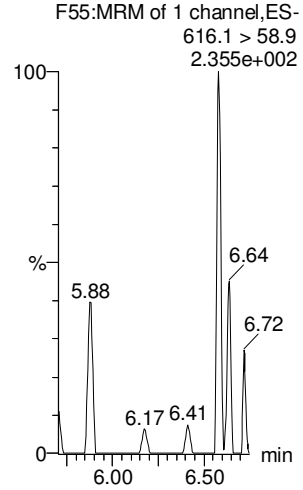

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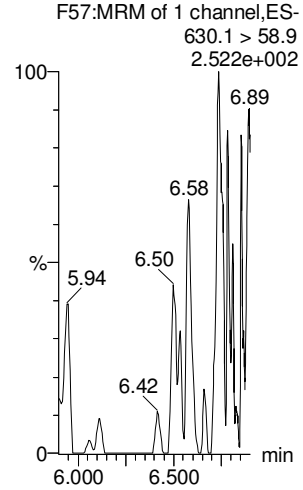

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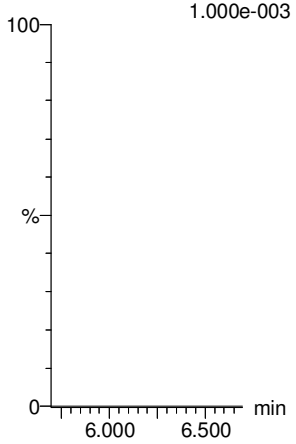

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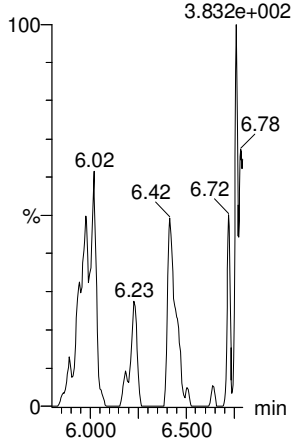

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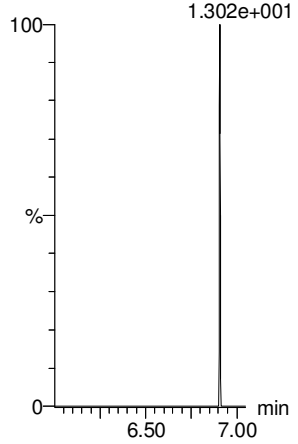
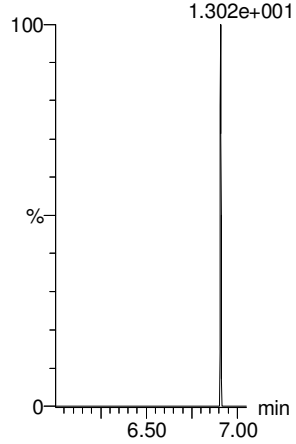
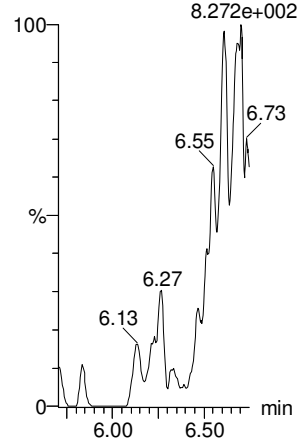


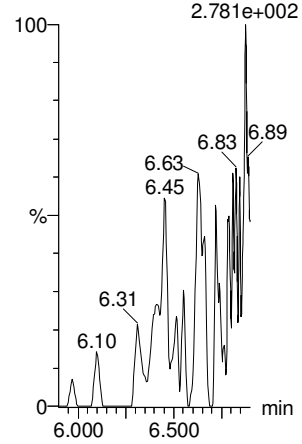
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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Dataset: Untitled

Last Altered: Friday, February 23, 2018 18:46:06 Pacific Standard Time
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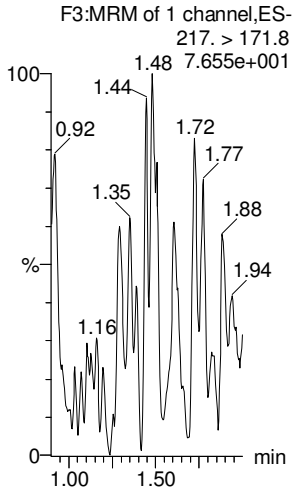
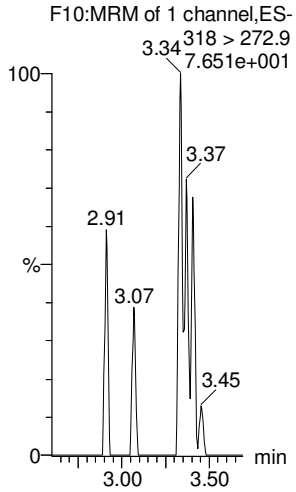
Name: 180223M1_3, Date: 23-Feb-2018, Time: 15:37:32, ID: IPA, Description: IPA

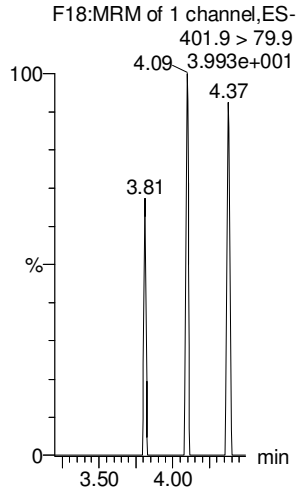
13C4-PFBA



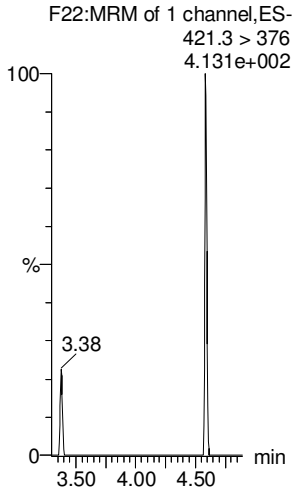
13C5-PFHxA



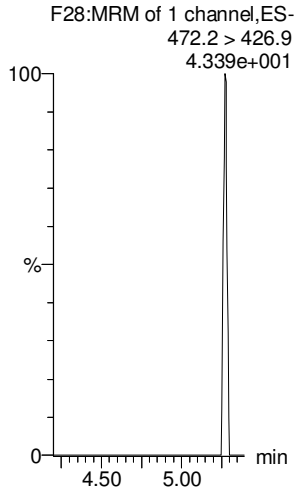
13C3-PFHxS



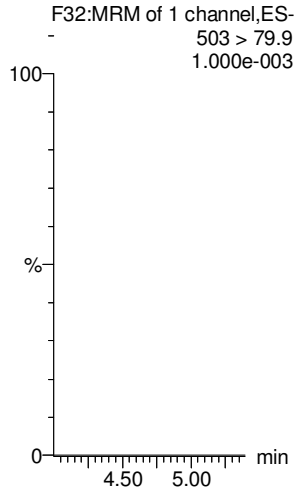
13C8-PFOA



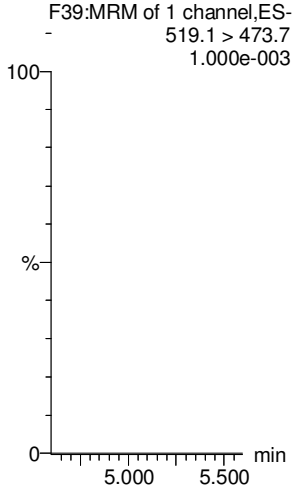
13C9-PFNA



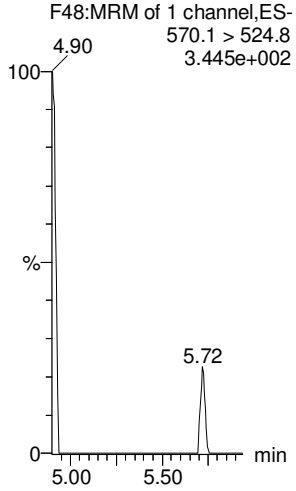
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

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rjf 02/28/2018

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:15:07

Compound name: PFBA
Correlation coefficient: r = 0.999933, r^2 = 0.999866
Calibration curve: 1.15034 * x + -0.0290428
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

DM 2/28/18

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	0.250	1.56	323.382	14228.288	0.284	0.3	8.9	NO	1.000	NO	bb
2	2	180227M1_3	Standard	0.500	1.55	664.431	14460.204	0.574	0.5	4.9	NO	1.000	NO	bb
3	3	180227M1_4	Standard	1.000	1.54	1213.039	15073.476	1.006	0.9	-10.0	NO	1.000	NO	bb
4	4	180227M1_5	Standard	2.000	1.54	2362.487	13613.571	2.169	1.9	-4.5	NO	1.000	NO	bb
5	5	180227M1_6	Standard	5.000	1.54	5867.275	14411.856	5.089	4.4	-11.0	NO	1.000	NO	bb
6	6	180227M1_7	Standard	10.000	1.54	12811.202	13910.517	11.512	10.0	0.3	NO	1.000	NO	MM
7	7	180227M1_8	Standard	50.000	1.54	67252.891	14653.654	57.369	49.9	-0.2	NO	1.000	NO	bb
8	8	180227M1_9	Standard	100.000	1.54	126695.117	13510.463	117.219	101.9	1.9	NO	1.000	NO	MM
9	9	180227M1_10	Standard	250.000	1.54	302006.844	13184.140	286.335	248.9	-0.4	NO	1.000	NO	MM
10	10	180227M1_11	Standard	500.000	1.54	574576.250	12490.216	575.026	499.9	-0.0	NO	1.000	NO	MM

Compound name: PFPeA
Correlation coefficient: r = 0.999876, r^2 = 0.999752
Calibration curve: 0.949924 * x + -0.0302954
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	0.250	2.52	293.360	15638.393	0.234	0.3	11.5	NO	1.000	NO	bb
2	2	180227M1_3	Standard	0.500	2.51	543.229	16287.603	0.417	0.5	-5.8	NO	1.000	NO	bb
3	3	180227M1_4	Standard	1.000	2.51	1067.669	15202.143	0.878	1.0	-4.4	NO	1.000	NO	bb
4	4	180227M1_5	Standard	2.000	2.51	2312.066	14157.853	2.041	2.2	9.0	NO	1.000	NO	bb
5	5	180227M1_6	Standard	5.000	2.50	5293.302	15425.106	4.290	4.5	-9.0	NO	1.000	NO	MM
6	6	180227M1_7	Standard	10.000	2.50	10963.539	14331.738	9.562	10.1	1.0	NO	1.000	NO	MM
7	7	180227M1_8	Standard	50.000	2.51	55853.535	14991.688	46.570	49.1	-1.9	NO	1.000	NO	MM
8	8	180227M1_9	Standard	100.000	2.50	103180.383	13525.295	95.359	100.4	0.4	NO	1.000	NO	MM
9	9	180227M1_10	Standard	250.000	2.50	247507.109	13271.920	233.112	245.4	-1.8	NO	1.000	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

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Compound name: PFPeA

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10	180227M1_11	Standard	500.000	2.50	471807.813	12287.274	479.976	505.3	1.1	NO	1.000	NO	MM

Compound name: PFBS
Coefficient of Determination: R^2 = 0.999617
Calibration curve: -2.96879e-005 * x^2 + 1.76027 * x + 0.0179787
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	0.250	2.79	82.705	2135.657	0.484	0.3	5.9	NO	1.000	NO	bb
2	2	180227M1_3	Standard	0.500	2.78	142.310	2196.421	0.810	0.4	-10.0	NO	1.000	NO	bb
3	3	180227M1_4	Standard	1.000	2.78	270.342	2128.295	1.588	0.9	-10.8	NO	1.000	NO	bb
4	4	180227M1_5	Standard	2.000	2.78	652.382	2226.008	3.663	2.1	3.6	NO	1.000	NO	bb
5	5	180227M1_6	Standard	5.000	2.78	1456.421	2142.416	8.498	4.8	-3.6	NO	1.000	NO	bb
6	6	180227M1_7	Standard	10.000	2.78	2982.154	1807.730	20.621	11.7	17.1	NO	1.000	NO	MM
7	7	180227M1_8	Standard	50.000	2.78	14368.281	2077.917	86.434	49.1	-1.7	NO	1.000	NO	MM
8	8	180227M1_9	Standard	100.000	2.78	27425.500	1947.916	175.993	100.1	0.1	NO	1.000	NO	bb
9	9	180227M1_10	Standard	250.000	2.78	63236.984	1814.711	435.586	248.5	-0.6	NO	1.000	NO	bb
10	10	180227M1_11	Standard	500.000	2.78	114050.922	1630.975	874.101	500.8	0.2	NO	1.000	NO	MM

Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.998646
Calibration curve: -0.000324236 * x^2 + 1.32959 * x + -0.00403186
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	0.250	3.18	53.409	2135.657	0.313	0.2	-4.7	NO	0.999	NO	MM
2	2	180227M1_3	Standard	0.500	3.17	105.473	2196.421	0.600	0.5	-9.1	NO	0.999	NO	bb
3	3	180227M1_4	Standard	1.000	3.17	215.234	2128.295	1.264	1.0	-4.6	NO	0.999	NO	bb
4	4	180227M1_5	Standard	2.000	3.17	422.807	2226.008	2.374	1.8	-10.5	NO	0.999	NO	bb
5	5	180227M1_6	Standard	5.000	3.17	1210.777	2142.416	7.064	5.3	6.5	NO	0.999	NO	bb
6	6	180227M1_7	Standard	10.000	3.17	2286.812	1807.730	15.813	11.9	19.3	NO	0.999	NO	bb
7	7	180227M1_8	Standard	50.000	3.17	11545.091	2077.917	69.451	52.9	5.8	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

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Compound name: 4:2 FTS

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8	180227M1_9	Standard	100.000	3.17	20354.785	1947.916	130.619	100.7	0.7	NO	0.999	NO	MM
9	9	180227M1_10	Standard	250.000	3.17	43384.777	1814.711	298.841	238.7	-4.5	NO	0.999	NO	MM
10	10	180227M1_11	Standard	500.000	3.17	76950.844	1630.975	589.761	506.0	1.2	NO	0.999	NO	MM

Compound name: PFHxA
Coefficient of Determination: R^2 = 0.998604
Calibration curve: -0.000561868 * x^2 + 1.54876 * x + 0.0349887
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	0.250	3.27	464.016	4853.958	0.478	0.3	14.4	NO	0.999	NO	bb
2	2	180227M1_3	Standard	0.500	3.27	714.180	4650.471	0.768	0.5	-5.3	NO	0.999	NO	bb
3	3	180227M1_4	Standard	1.000	3.27	1523.656	4454.000	1.710	1.1	8.2	NO	0.999	NO	bb
4	4	180227M1_5	Standard	2.000	3.26	2830.845	4381.511	3.230	2.1	3.2	NO	0.999	NO	bb
5	5	180227M1_6	Standard	5.000	3.26	7497.059	4921.658	7.616	4.9	-1.9	NO	0.999	NO	MM
6	6	180227M1_7	Standard	10.000	3.27	13415.256	4434.758	15.125	9.8	-2.2	NO	0.999	NO	MM
7	7	180227M1_8	Standard	50.000	3.26	64692.238	4781.364	67.650	44.4	-11.3	NO	0.999	NO	MM
8	8	180227M1_9	Standard	100.000	3.26	134278.672	4462.540	150.451	100.8	0.8	NO	0.999	NO	MM
9	9	180227M1_10	Standard	250.000	3.27	308816.813	4220.131	365.885	260.9	4.4	NO	0.999	NO	MM
10	10	180227M1_11	Standard	500.000	3.26	505836.906	4029.446	627.675	493.7	-1.3	NO	0.999	NO	MM

Compound name: PFPeS
Correlation coefficient: r = 0.999698, r^2 = 0.999397
Calibration curve: 1.75591 * x + 0.0468912
Response type: Internal Std (Ref 36), 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	180227M1_2	Standard	0.250	3.47	81.291	2135.657	0.476	0.2	-2.3	NO	0.999	NO	bb
2	2	180227M1_3	Standard	0.500	3.46	141.352	2196.421	0.804	0.4	-13.7	NO	0.999	NO	bb
3	3	180227M1_4	Standard	1.000	3.46	343.572	2128.295	2.018	1.1	12.2	NO	0.999	NO	bb
4	4	180227M1_5	Standard	2.000	3.46	557.881	2226.008	3.133	1.8	-12.1	NO	0.999	NO	bb
5	5	180227M1_6	Standard	5.000	3.46	1456.270	2142.416	8.497	4.8	-3.8	NO	0.999	NO	bb

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Compound name: PFPeS

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6	180227M1_7	Standard	10.000	3.46	2967.452	1807.730	20.519	11.7	16.6	NO	0.999	NO	bb
7	7	180227M1_8	Standard	50.000	3.46	15376.075	2077.917	92.497	52.7	5.3	NO	0.999	NO	MM
8	8	180227M1_9	Standard	100.000	3.46	27138.234	1947.916	174.149	99.2	-0.8	NO	0.999	NO	bb
9	9	180227M1_10	Standard	250.000	3.46	62736.926	1814.711	432.141	246.1	-1.6	NO	0.999	NO	MM
10	10	180227M1_11	Standard	500.000	3.46	114752.266	1630.975	879.476	500.8	0.2	NO	0.999	NO	MM

Compound name: PFHpA
Correlation coefficient: r = 0.999340, r^2 = 0.998680
Calibration curve: 1.23026 * x + 0.0914993
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	0.250	3.89	332.496	13268.336	0.313	0.2	-27.9	NO	0.999	NO	bb
2	2	180227M1_3	Standard	0.500	3.88	686.636	12852.769	0.668	0.5	-6.3	NO	0.999	NO	bb
3	3	180227M1_4	Standard	1.000	3.88	1489.991	13455.287	1.384	1.1	5.1	NO	0.999	NO	bb
4	4	180227M1_5	Standard	2.000	3.88	2582.811	11251.971	2.869	2.3	12.9	NO	0.999	NO	bb
5	5	180227M1_6	Standard	5.000	3.88	6115.200	12413.407	6.158	4.9	-1.4	NO	0.999	NO	MM
6	6	180227M1_7	Standard	10.000	3.88	12998.239	11602.052	14.004	11.3	13.1	NO	0.999	NO	MM
7	7	180227M1_8	Standard	50.000	3.88	61083.574	12699.598	60.124	48.8	-2.4	NO	0.999	NO	MM
8	8	180227M1_9	Standard	100.000	3.88	113487.617	10683.677	132.782	107.9	7.9	NO	0.999	NO	MM
9	9	180227M1_10	Standard	250.000	3.88	263949.719	10574.237	312.020	253.5	1.4	NO	0.999	NO	MM
10	10	180227M1_11	Standard	500.000	3.88	484554.031	10079.918	600.890	488.4	-2.3	NO	0.999	NO	MM

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Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

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Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.998427
Calibration curve: -0.000200899 * x^2 + 1.78407 * x + 0.104731
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	180227M1_2	Standard	0.250	4.05	73.040	1648.080	0.554	0.3	0.7	NO	0.998	NO	MM
2	2	180227M1_3	Standard	0.500	4.03	96.776	1577.173	0.767	0.4	-25.8	NO	0.998	NO	MM
3	3	180227M1_4	Standard	1.000	4.03	280.373	1772.316	1.977	1.0	5.0	NO	0.998	NO	MM
4	4	180227M1_5	Standard	2.000	4.03	483.453	1613.799	3.745	2.0	2.0	NO	0.998	NO	MM
5	5	180227M1_6	Standard	5.000	4.03	1197.282	1512.671	9.894	5.5	9.8	NO	0.998	NO	MM
6	6	180227M1_7	Standard	10.000	4.03	2473.962	1543.351	20.037	11.2	11.9	NO	0.998	NO	MM
7	7	180227M1_8	Standard	50.000	4.03	11592.014	1598.287	90.660	51.1	2.1	NO	0.998	NO	MM
8	8	180227M1_9	Standard	100.000	4.03	22087.117	1714.000	161.079	91.2	-8.8	NO	0.998	NO	MM
9	9	180227M1_10	Standard	250.000	4.03	54669.770	1521.420	449.167	259.3	3.7	NO	0.998	NO	MM
10	10	180227M1_11	Standard	500.000	4.03	95983.906	1433.519	836.961	496.9	-0.6	NO	0.998	NO	MM

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.999626
Calibration curve: -8.36865e-005 * x^2 + 0.198807 * x + 0.00833715
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	180227M1_2	Standard	0.250	4.36	90.741	17420.764	0.065	0.3	14.2	NO	1.000	NO	bb
2	2	180227M1_3	Standard	0.500	4.35	145.124	18120.027	0.100	0.5	-7.7	NO	1.000	NO	bb
3	3	180227M1_4	Standard	1.000	4.35	318.966	19430.578	0.205	1.0	-0.9	NO	1.000	NO	bb
4	4	180227M1_5	Standard	2.000	4.35	643.899	19499.719	0.413	2.0	1.8	NO	1.000	NO	bb
5	5	180227M1_6	Standard	5.000	4.35	1673.678	17881.482	1.170	5.9	17.2	NO	1.000	NO	bb
6	6	180227M1_7	Standard	10.000	4.35	2691.706	18512.490	1.817	9.1	-8.6	NO	1.000	NO	bb
7	7	180227M1_8	Standard	50.000	4.35	13408.705	17018.424	9.849	50.6	1.1	NO	1.000	NO	MM
8	8	180227M1_9	Standard	100.000	4.35	27132.238	17777.477	19.078	100.1	0.1	NO	1.000	NO	bb
9	9	180227M1_10	Standard	250.000	4.35	64166.199	18133.762	44.231	248.4	-0.6	NO	1.000	NO	MM
10	10	180227M1_11	Standard	500.000	4.35	101395.734	16125.236	78.600	501.0	0.2	NO	1.000	NO	MM

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Compound name: L-PFOA
Correlation coefficient: r = 0.999744, r^2 = 0.999488
Calibration curve: 0.932678 * x + 0.14283
Response type: Internal Std (Ref 40), 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	180227M1_2	Standard	0.250	4.42	479.470	17420.764	0.344	0.2	-13.7	NO	0.999	NO	bb
2	2	180227M1_3	Standard	0.500	4.41	825.055	18120.027	0.569	0.5	-8.6	NO	0.999	NO	bb
3	3	180227M1_4	Standard	1.000	4.41	1849.560	19430.578	1.190	1.1	12.3	NO	0.999	NO	bb
4	4	180227M1_5	Standard	2.000	4.40	3032.607	19499.719	1.944	1.9	-3.4	NO	0.999	NO	MM
5	5	180227M1_6	Standard	5.000	4.40	6895.058	17881.482	4.820	5.0	0.3	NO	0.999	NO	MM
6	6	180227M1_7	Standard	10.000	4.41	14883.201	18512.490	10.049	10.6	6.2	NO	0.999	NO	MM
7	7	180227M1_8	Standard	50.000	4.40	67243.016	17018.424	49.390	52.8	5.6	NO	0.999	NO	MM
8	8	180227M1_9	Standard	100.000	4.40	134938.500	17777.477	94.880	101.6	1.6	NO	0.999	NO	MM
9	9	180227M1_10	Standard	250.000	4.41	343717.813	18133.762	236.932	253.9	1.6	NO	0.999	NO	MM
10	10	180227M1_11	Standard	500.000	4.40	591096.813	16125.236	458.208	491.1	-1.8	NO	0.999	NO	MM

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.998935
Calibration curve: -3.2816e-005 * x^2 + 0.203525 * x + 0.00908334
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	0.250	4.52	83.748	17420.764	0.060	0.3	0.3	NO	0.999	NO	bb
2	2	180227M1_3	Standard	0.500	4.51	132.168	18120.027	0.091	0.4	-19.3	NO	0.999	NO	bb
3	3	180227M1_4	Standard	1.000	4.51	308.228	19430.578	0.198	0.9	-7.0	NO	0.999	NO	bb
4	4	180227M1_5	Standard	2.000	4.51	730.313	19499.719	0.468	2.3	12.8	NO	0.999	NO	bb
5	5	180227M1_6	Standard	5.000	4.51	1443.070	17881.482	1.009	4.9	-1.7	NO	0.999	NO	bb
6	6	180227M1_7	Standard	10.000	4.51	3361.309	18512.490	2.270	11.1	11.3	NO	0.999	NO	bb
7	7	180227M1_8	Standard	50.000	4.51	15023.115	17018.424	11.034	54.7	9.3	NO	0.999	NO	bb
8	8	180227M1_9	Standard	100.000	4.51	27168.592	17777.477	19.103	95.3	-4.7	NO	0.999	NO	MM
9	9	180227M1_10	Standard	250.000	4.51	69925.430	18133.762	48.201	246.6	-1.4	NO	0.999	NO	MM
10	10	180227M1_11	Standard	500.000	4.51	121229.641	16125.236	93.975	502.4	0.5	NO	0.999	NO	MM

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Compound name: PFNA
Coefficient of Determination: R^2 = 0.997496
Calibration curve: -0.000605072 * x^2 + 1.23754 * x + 0.0677452
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	0.250	4.85	371.724	13868.765	0.335	0.2	-13.6	NO	0.997	NO	MM
2	2	180227M1_3	Standard	0.500	4.84	826.022	15664.475	0.659	0.5	-4.4	NO	0.997	NO	bb
3	3	180227M1_4	Standard	1.000	4.84	1734.936	15806.176	1.372	1.1	5.4	NO	0.997	NO	bb
4	4	180227M1_5	Standard	2.000	4.84	3239.391	13250.253	3.056	2.4	20.9	NO	0.997	NO	MM
5	5	180227M1_6	Standard	5.000	4.84	6427.485	12518.346	6.418	5.1	2.9	NO	0.997	NO	MM
6	6	180227M1_7	Standard	10.000	4.84	14267.316	15692.719	11.365	9.2	-8.3	NO	0.997	NO	MM
7	7	180227M1_8	Standard	50.000	4.84	68370.844	15434.172	55.373	45.7	-8.6	NO	0.997	NO	MM
8	8	180227M1_9	Standard	100.000	4.84	130832.328	13082.544	125.007	106.5	6.5	NO	0.997	NO	MM
9	9	180227M1_10	Standard	250.000	4.84	303685.250	14070.608	269.787	248.0	-0.8	NO	0.997	NO	MM
10	10	180227M1_11	Standard	500.000	4.84	565408.375	12000.793	588.928	753.2	50.6	YES	0.997	NO	MMX

Compound name: PFOSA
Correlation coefficient: r = 0.999375, r^2 = 0.998750
Calibration curve: 0.959008 * x + 0.112581
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	0.250	4.92	116.109	5079.123	0.286	0.2	-27.8	NO	0.999	NO	bb
2	2	180227M1_3	Standard	0.500	4.91	238.198	4685.668	0.635	0.5	9.0	NO	0.999	NO	bb
3	3	180227M1_4	Standard	1.000	4.91	454.793	4803.483	1.183	1.1	11.7	NO	0.999	NO	bb
4	4	180227M1_5	Standard	2.000	4.90	990.186	5478.656	2.259	2.2	11.9	NO	0.999	NO	bb
5	5	180227M1_6	Standard	5.000	4.91	1809.491	5086.880	4.446	4.5	-9.6	NO	0.999	NO	bb
6	6	180227M1_7	Standard	10.000	4.91	3740.782	4554.213	10.267	10.6	5.9	NO	0.999	NO	bd
7	7	180227M1_8	Standard	50.000	4.91	17120.486	4572.856	46.799	48.7	-2.6	NO	0.999	NO	bb
8	8	180227M1_9	Standard	100.000	4.90	37063.418	4905.574	94.442	98.4	-1.6	NO	0.999	NO	MM
9	9	180227M1_10	Standard	250.000	4.91	80279.391	3973.786	252.528	263.2	5.3	NO	0.999	NO	bb
10	10	180227M1_11	Standard	500.000	4.90	133105.297	3544.807	469.367	489.3	-2.1	NO	0.999	NO	MM

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Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.999008
Calibration curve: 0.00026453 * x^2 + 0.959054 * x + -0.0133677
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	180227M1_2	Standard	0.250	4.93	90.203	4269.210	0.264	0.3	15.7	NO	0.999	NO	MM
2	2	180227M1_3	Standard	0.500	4.92	140.741	4773.244	0.369	0.4	-20.4	NO	0.999	NO	MM
3	3	180227M1_4	Standard	1.000	4.92	315.089	4724.643	0.834	0.9	-11.7	NO	0.999	NO	MM
4	4	180227M1_5	Standard	2.000	4.92	643.263	3786.971	2.123	2.2	11.3	NO	0.999	NO	MM
5	5	180227M1_6	Standard	5.000	4.92	1553.901	3977.194	4.884	5.1	2.0	NO	0.999	NO	MM
6	6	180227M1_7	Standard	10.000	4.92	3310.789	3986.890	10.380	10.8	8.1	NO	0.999	NO	MM
7	7	180227M1_8	Standard	50.000	4.92	16064.960	4202.969	47.779	49.2	-1.7	NO	0.999	NO	MM
8	8	180227M1_9	Standard	100.000	4.92	28783.514	3910.426	92.009	93.5	-6.5	NO	0.999	NO	MM
9	9	180227M1_10	Standard	250.000	4.92	68951.680	3235.245	266.408	259.3	3.7	NO	0.999	NO	MM
10	10	180227M1_11	Standard	500.000	4.92	140165.359	3232.869	541.954	497.0	-0.6	NO	0.999	NO	MM

Compound name: PFDA
Coefficient of Determination: R^2 = 0.999739
Calibration curve: 1.48712e-005 * x^2 + 1.48665 * x + 0.0542737
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	180227M1_2	Standard	0.250	5.22	415.227	12588.888	0.412	0.2	-3.7	NO	1.000	NO	bb
2	2	180227M1_3	Standard	0.500	5.22	808.763	14687.019	0.688	0.4	-14.7	NO	1.000	NO	MM
3	3	180227M1_4	Standard	1.000	5.21	1733.311	13649.661	1.587	1.0	3.1	NO	1.000	NO	bb
4	4	180227M1_5	Standard	2.000	5.21	3399.928	13724.007	3.097	2.0	2.3	NO	1.000	NO	bb
5	5	180227M1_6	Standard	5.000	5.21	8223.735	13239.022	7.765	5.2	3.7	NO	1.000	NO	MM
6	6	180227M1_7	Standard	10.000	5.21	16420.098	12490.549	16.433	11.0	10.2	NO	1.000	NO	bb
7	7	180227M1_8	Standard	50.000	5.21	84784.875	13999.570	75.703	50.9	1.7	NO	1.000	NO	MM
8	8	180227M1_9	Standard	100.000	5.21	147650.000	12792.729	144.271	96.9	-3.1	NO	1.000	NO	MM
9	9	180227M1_10	Standard	250.000	5.21	302376.156	10100.607	374.205	251.0	0.4	NO	1.000	NO	MM
10	10	180227M1_11	Standard	500.000	5.21	609799.688	10203.114	747.075	500.0	-0.0	NO	1.000	NO	MM

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Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.993830
Calibration curve: -4.65117e-005 * x^2 + 0.226122 * x + 0.0184554
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	180227M1_2	Standard	0.250	5.20	85.187	17420.764	0.061	0.2	-24.5	NO	0.994	NO	bb
2	2	180227M1_3	Standard	0.500	5.19	228.168	18120.027	0.157	0.6	22.9	NO	0.994	NO	bb
3	3	180227M1_4	Standard	1.000	5.19	444.330	19430.578	0.286	1.2	18.3	NO	0.994	NO	bb
4	4	180227M1_5	Standard	2.000	5.18	651.367	19499.719	0.418	1.8	-11.7	NO	0.994	NO	bb
5	5	180227M1_6	Standard	5.000	5.18	1725.995	17881.482	1.207	5.3	5.2	NO	0.994	NO	bb
6	6	180227M1_7	Standard	10.000	5.18	3601.837	18512.490	2.432	10.7	7.0	NO	0.994	NO	bb
7	7	180227M1_8	Standard	50.000	5.18	19000.906	17018.424	13.956	62.4	24.9	NO	0.994	NO	bb
8	8	180227M1_9	Standard	100.000	5.18	30610.303	17777.477	21.523	97.0	-3.0	NO	0.994	NO	MM
9	9	180227M1_10	Standard	250.000	5.18	71517.945	18133.762	49.299	228.7	-8.5	NO	0.994	NO	MM
10	10	180227M1_11	Standard	500.000	5.18	133482.641	16125.236	103.473	511.3	2.3	NO	0.994	NO	MM

Compound name: PFNS
Coefficient of Determination: R^2 = 0.999465
Calibration curve: 5.21027e-006 * x^2 + 0.831381 * x + 0.0528802
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	180227M1_2	Standard	0.250	5.28	79.368	4269.210	0.232	0.2	-13.6	NO	0.999	NO	MM
2	2	180227M1_3	Standard	0.500	5.28	156.905	4773.244	0.411	0.4	-13.9	NO	0.999	NO	MM
3	3	180227M1_4	Standard	1.000	5.28	295.622	4724.643	0.782	0.9	-12.3	NO	0.999	NO	MM
4	4	180227M1_5	Standard	2.000	5.27	591.472	3786.971	1.952	2.3	14.2	NO	0.999	NO	MM
5	5	180227M1_6	Standard	5.000	5.27	1648.550	3977.194	5.181	6.2	23.4	NO	0.999	NO	MM
6	6	180227M1_7	Standard	10.000	5.27	2844.108	3986.890	8.917	10.7	6.6	NO	0.999	NO	MM
7	7	180227M1_8	Standard	50.000	5.27	13497.264	4202.969	40.142	48.2	-3.6	NO	0.999	NO	MM
8	8	180227M1_9	Standard	100.000	5.27	25656.510	3910.426	82.013	98.5	-1.5	NO	0.999	NO	MM
9	9	180227M1_10	Standard	250.000	5.28	54295.746	3235.245	209.782	251.9	0.7	NO	0.999	NO	MM
10	10	180227M1_11	Standard	500.000	5.27	107755.555	3232.869	416.641	499.5	-0.1	NO	0.999	NO	MM

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Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.997386
Calibration curve: -0.000318065 * x^2 + 1.42542 * x + 0.0292303
Response type: Internal Std (Ref 45), 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	180227M1_2	Standard	0.250	5.38	167.026	5616.638	0.372	0.2	-3.9	NO	0.997	NO	bb
2	2	180227M1_3	Standard	0.500	5.37	261.228	5354.282	0.610	0.4	-18.5	NO	0.997	NO	bb
3	3	180227M1_4	Standard	1.000	5.37	529.383	5604.221	1.181	0.8	-19.2	NO	0.997	NO	bb
4	4	180227M1_5	Standard	2.000	5.36	1406.542	5028.410	3.496	2.4	21.7	NO	0.997	NO	bb
5	5	180227M1_6	Standard	5.000	5.36	3452.992	5549.750	7.777	5.4	8.8	NO	0.997	NO	bb
6	6	180227M1_7	Standard	10.000	5.36	7242.125	5046.857	17.937	12.6	26.0	NO	0.997	NO	bb
7	7	180227M1_8	Standard	50.000	5.36	33640.035	5986.112	70.246	49.8	-0.4	NO	0.997	NO	MM
8	8	180227M1_9	Standard	100.000	5.36	62645.555	6199.992	126.302	90.4	-9.6	NO	0.997	NO	MM
9	9	180227M1_10	Standard	250.000	5.37	134690.203	4823.407	349.054	259.9	4.0	NO	0.997	NO	MM
10	10	180227M1_11	Standard	500.000	5.36	250545.813	4974.992	629.513	496.7	-0.7	NO	0.997	NO	MM

Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.999451
Calibration curve: -0.000130894 * x^2 + 1.03929 * x + 0.00668807
Response type: Internal Std (Ref 46), 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	180227M1_2	Standard	0.250	5.53	173.461	6481.687	0.335	0.3	26.2	NO	0.999	NO	bb
2	2	180227M1_3	Standard	0.500	5.52	296.513	7017.148	0.528	0.5	0.4	NO	0.999	NO	bb
3	3	180227M1_4	Standard	1.000	5.53	489.252	6851.811	0.893	0.9	-14.8	NO	0.999	NO	bb
4	4	180227M1_5	Standard	2.000	5.52	1182.094	7175.643	2.059	2.0	-1.2	NO	0.999	NO	bb
5	5	180227M1_6	Standard	5.000	5.52	2708.118	7500.553	4.513	4.3	-13.2	NO	0.999	NO	bb
6	6	180227M1_7	Standard	10.000	5.52	6103.996	6750.415	11.303	10.9	8.8	NO	0.999	NO	bd
7	7	180227M1_8	Standard	50.000	5.52	28504.742	7170.505	49.691	48.1	-3.8	NO	0.999	NO	bd
8	8	180227M1_9	Standard	100.000	5.52	53025.586	6572.744	100.844	98.2	-1.8	NO	0.999	NO	bd
9	9	180227M1_10	Standard	250.000	5.52	113288.648	5493.099	257.798	256.3	2.5	NO	0.999	NO	bd
10	10	180227M1_11	Standard	500.000	5.52	195377.641	5041.793	484.395	497.2	-0.6	NO	0.999	NO	bd

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Compound name: PFUdA
Coefficient of Determination: R^2 = 0.997707
Calibration curve: 0.000159522 * x^2 + 0.868175 * x + 0.113342
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	180227M1_2	Standard	0.250	5.55	440.559	17742.486	0.310	0.2	-9.2	NO	0.998	NO	bb
2	2	180227M1_3	Standard	0.500	5.54	800.404	20030.451	0.499	0.4	-11.1	NO	0.998	NO	bb
3	3	180227M1_4	Standard	1.000	5.54	1415.976	17284.902	1.024	1.0	4.9	NO	0.998	NO	bb
4	4	180227M1_5	Standard	2.000	5.53	2641.418	17678.043	1.868	2.0	1.0	NO	0.998	NO	bb
5	5	180227M1_6	Standard	5.000	5.53	6472.097	17539.842	4.612	5.2	3.5	NO	0.998	NO	bb
6	6	180227M1_7	Standard	10.000	5.53	12087.724	16212.922	9.320	10.6	5.8	NO	0.998	NO	MM
7	7	180227M1_8	Standard	50.000	5.53	62515.563	17597.273	44.407	50.5	1.1	NO	0.998	NO	MM
8	8	180227M1_9	Standard	100.000	5.53	140969.547	18186.008	96.894	109.3	9.3	NO	0.998	NO	MM
9	9	180227M1_10	Standard	250.000	5.54	280999.344	16601.443	211.577	233.6	-6.6	NO	0.998	NO	MM
10	10	180227M1_11	Standard	500.000	5.53	516003.281	13434.172	480.122	505.9	1.2	NO	0.998	NO	MM

Compound name: PFDS
Coefficient of Determination: R^2 = 0.998894
Calibration curve: -0.000201026 * x^2 + 0.271911 * x + 0.00376494
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	180227M1_2	Standard	0.250	5.59	88.204	17742.486	0.062	0.2	-14.1	NO	0.999	NO	bb
2	2	180227M1_3	Standard	0.500	5.58	196.509	20030.451	0.123	0.4	-12.5	NO	0.999	NO	bb
3	3	180227M1_4	Standard	1.000	5.58	469.257	17284.902	0.339	1.2	23.5	NO	0.999	NO	bb
4	4	180227M1_5	Standard	2.000	5.58	719.911	17678.043	0.509	1.9	-7.0	NO	0.999	NO	bb
5	5	180227M1_6	Standard	5.000	5.58	1852.730	17539.842	1.320	4.9	-2.8	NO	0.999	NO	bb
6	6	180227M1_7	Standard	10.000	5.58	4036.079	16212.922	3.112	11.5	15.3	NO	0.999	NO	MM
7	7	180227M1_8	Standard	50.000	5.58	18285.936	17597.273	12.989	49.6	-0.9	NO	0.999	NO	bb
8	8	180227M1_9	Standard	100.000	5.58	35988.320	18186.008	24.736	98.1	-1.9	NO	0.999	NO	MM
9	9	180227M1_10	Standard	250.000	5.58	73846.953	16601.443	55.603	251.1	0.4	NO	0.999	NO	MM
10	10	180227M1_11	Standard	500.000	5.58	141181.719	13434.172	131.364			NO	0.999	NO	MMXI

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Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999549
Calibration curve: -0.00011004 * x^2 + 1.05563 * x + 0.0799451
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	180227M1_2	Standard	0.250	5.83	378.861	15843.614	0.299	0.2	-17.0	NO	1.000	NO	bb
2	2	180227M1_3	Standard	0.500	5.82	849.639	16036.967	0.662	0.6	10.3	NO	1.000	NO	bb
3	3	180227M1_4	Standard	1.000	5.82	1591.993	19454.689	1.023	0.9	-10.7	NO	1.000	NO	bb
4	4	180227M1_5	Standard	2.000	5.82	2600.550	15653.410	2.077	1.9	-5.4	NO	1.000	NO	bd
5	5	180227M1_6	Standard	5.000	5.82	8071.827	15731.971	6.414	6.0	20.1	NO	1.000	NO	bd
6	6	180227M1_7	Standard	10.000	5.82	12900.772	15024.864	10.733	10.1	1.0	NO	1.000	NO	MM
7	7	180227M1_8	Standard	50.000	5.81	79624.984	18188.592	54.722	52.0	4.1	NO	1.000	NO	MM
8	8	180227M1_9	Standard	100.000	5.82	123367.523	14964.458	103.050	98.6	-1.4	NO	1.000	NO	MM
9	9	180227M1_10	Standard	250.000	5.82	319900.531	15756.785	253.780	246.7	-1.3	NO	1.000	NO	MM
10	10	180227M1_11	Standard	500.000	5.82	553099.188	13769.033	502.122	501.8	0.4	NO	1.000	NO	MM

Compound name: N-MeFOSA
Correlation coefficient: r = 0.998136, r^2 = 0.996275
Calibration curve: 0.844282 * x + 0.385206
Response type: Internal Std (Ref 49), 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	180227M1_2	Standard	1.250	6.02	237.349	28572.682	1.246	1.0	-18.4	NO	0.996	NO	bb
2	2	180227M1_3	Standard	2.500	6.01	490.874	29262.326	2.516	2.5	1.0	NO	0.996	NO	bb
3	3	180227M1_4	Standard	5.000	6.01	977.636	30996.006	4.731	5.1	2.9	NO	0.996	NO	bb
4	4	180227M1_5	Standard	10.000	6.00	1792.833	28178.717	9.544	10.8	8.5	NO	0.996	NO	bb
5	5	180227M1_6	Standard	25.000	6.00	4088.873	28356.631	21.629	25.2	0.6	NO	0.996	NO	MM
6	6	180227M1_7	Standard	50.000	6.01	8795.429	25582.801	51.570	60.6	21.3	NO	0.996	NO	MM
7	7	180227M1_8	Standard	250.000	6.00	43871.602	27206.578	241.880	286.0	14.4	NO	0.996	NO	MM
8	8	180227M1_9	Standard	500.000	6.01	81112.133	25926.713	469.277	555.4	11.1	NO	0.996	NO	MM
9	9	180227M1_10	Standard	1250.000	6.01	176962.141	25512.012	1040.464	1231.9	-1.4	NO	0.996	NO	MM
10	10	180227M1_11	Standard	2500.000	6.00	335377.844	24667.188	2039.417	2415.1	-3.4	NO	0.996	NO	MM

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Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.993021
Calibration curve: -0.00996087 * x^2 + 1.43109 * x + -0.0772072
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	180227M1_2	Standard	0.250	6.07	479.725	15843.614	0.378	0.3	27.7	NO	0.993	NO	bb
2	2	180227M1_3	Standard	0.500	6.07	847.725	16036.967	0.661	0.5	3.5	NO	0.993	NO	bb
3	3	180227M1_4	Standard	1.000	6.06	1837.382	19454.689	1.181	0.9	-11.6	NO	0.993	NO	MM
4	4	180227M1_5	Standard	2.000	6.06	2624.519	15653.410	2.096	1.5	-23.3	NO	0.993	NO	bb
5	5	180227M1_6	Standard	5.000	6.06	8093.933	15731.971	6.431	4.7	-6.0	NO	0.993	NO	MM
6	6	180227M1_7	Standard	10.000	6.06	17442.467	15024.864	14.511	11.0	10.4	NO	0.993	NO	bb
7	7	180227M1_8	Standard	50.000	6.06	67499.344	18188.592	46.389	49.6	-0.8	NO	0.993	NO	MM
8	8	180227M1_9	Standard	100.000	6.06	183922.109	14964.458	153.632			NO	0.993	YES	MMXI
9	9	180227M1_10	Standard	250.000	6.06	369749.750	15756.785	293.326			NO	0.993	YES	MMXI
10	10	180227M1_11	Standard	500.000	6.06	581394.563	13769.033	527.810			NO	0.993	YES	MMXI

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.998549
Calibration curve: -0.00119561 * x^2 + 2.03279 * x + 0.211977
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	0.250	6.29	312.643	6794.941	0.575	0.2	-28.5	NO	0.999	NO	bb
2	2	180227M1_3	Standard	0.500	6.29	766.899	6965.842	1.376	0.6	14.6	NO	0.999	NO	bb
3	3	180227M1_4	Standard	1.000	6.29	1289.642	7300.396	2.208	1.0	-1.7	NO	0.999	NO	bb
4	4	180227M1_5	Standard	2.000	6.28	2407.422	7174.022	4.195	2.0	-1.9	NO	0.999	NO	bb
5	5	180227M1_6	Standard	5.000	6.28	5777.073	7288.365	9.908	4.8	-4.3	NO	0.999	NO	MM
6	6	180227M1_7	Standard	10.000	6.28	13438.561	6893.246	24.369	12.0	19.7	NO	0.999	NO	MM
7	7	180227M1_8	Standard	50.000	6.28	59312.879	7012.007	105.734	53.6	7.2	NO	0.999	NO	MM
8	8	180227M1_9	Standard	100.000	6.28	109790.000	7390.643	185.691	96.7	-3.3	NO	0.999	NO	MM
9	9	180227M1_10	Standard	250.000	6.29	263898.688	7779.816	424.012	243.3	-2.7	NO	0.999	NO	MM
10	10	180227M1_11	Standard	500.000	6.28	475731.844	8225.573	722.946	506.3	1.3	NO	0.999	NO	MM

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Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999713
Calibration curve: -9.69338e-006 * x^2 + 0.822501 * x + 0.136285
Response type: Internal Std (Ref 51), 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	180227M1_2	Standard	1.250	6.41	279.291	42081.684	0.996	1.0	-16.4	NO	1.000	NO	bb
2	2	180227M1_3	Standard	2.500	6.40	588.228	42509.617	2.076	2.4	-5.7	NO	1.000	NO	bb
3	3	180227M1_4	Standard	5.000	6.40	1209.299	41733.316	4.347	5.1	2.4	NO	1.000	NO	bb
4	4	180227M1_5	Standard	10.000	6.39	2413.826	40164.898	9.015	10.8	8.0	NO	1.000	NO	MM
5	5	180227M1_6	Standard	25.000	6.40	5775.740	41638.094	20.807	25.1	0.6	NO	1.000	NO	bb
6	6	180227M1_7	Standard	50.000	6.40	11968.388	39625.715	45.305	55.0	9.9	NO	1.000	NO	MM
7	7	180227M1_8	Standard	250.000	6.39	56067.383	39659.684	212.057	258.4	3.4	NO	1.000	NO	MM
8	8	180227M1_9	Standard	500.000	6.40	105294.758	38967.379	405.319	495.5	-0.9	NO	1.000	NO	MM
9	9	180227M1_10	Standard	1250.000	6.40	231414.250	34802.699	997.398	1230.3	-1.6	NO	1.000	NO	MM
10	10	180227M1_11	Standard	2500.000	6.39	404614.500	30291.289	2003.618	2510.1	0.4	NO	1.000	NO	MM

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.995274
Calibration curve: -0.000335759 * x^2 + 0.591994 * x + 0.0884861
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	180227M1_2	Standard	0.250	6.61	185.616	3790.550	0.245	0.3	5.7	NO	0.995	NO	bb
2	2	180227M1_3	Standard	0.500	6.61	284.029	4457.731	0.319	0.4	-22.2	NO	0.995	NO	bb
3	3	180227M1_4	Standard	1.000	6.61	602.641	4437.522	0.679	1.0	-0.2	NO	0.995	NO	bb
4	4	180227M1_5	Standard	2.000	6.61	1155.436	4074.090	1.418	2.2	12.4	NO	0.995	NO	bb
5	5	180227M1_6	Standard	5.000	6.61	2773.852	4304.283	3.222	5.3	6.2	NO	0.995	NO	bb
6	6	180227M1_7	Standard	10.000	6.61	5148.403	4550.631	5.657	9.5	-5.4	NO	0.995	NO	bb
7	7	180227M1_8	Standard	50.000	6.61	25674.473	4600.111	27.906	48.3	-3.4	NO	0.995	NO	MM
8	8	180227M1_9	Standard	100.000	6.61	53438.203	4233.522	63.113	113.8	13.8	NO	0.995	NO	bb
9	9	180227M1_10	Standard	250.000	6.61	121464.281	5173.400	117.393	227.5	-9.0	NO	0.995	NO	MM
10	10	180227M1_11	Standard	500.000	6.61	217146.266	5034.409	215.662	514.0	2.8	NO	0.995	NO	MM

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Compound name: PFODA
Coefficient of Determination: R^2 = 0.996311
Calibration curve: -0.000382228 * x^2 + 0.740794 * x + 0.0260949
Response type: Internal Std (Ref 52), 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	180227M1_2	Standard	0.250	6.84	166.311	3790.550	0.219	0.3	4.4	NO	0.996	NO	bb
2	2	180227M1_3	Standard	0.500	6.84	352.434	4457.731	0.395	0.5	-0.3	NO	0.996	NO	bb
3	3	180227M1_4	Standard	1.000	6.83	594.423	4437.522	0.670	0.9	-13.1	NO	0.996	NO	bb
4	4	180227M1_5	Standard	2.000	6.83	1292.017	4074.090	1.586	2.1	5.4	NO	0.996	NO	bb
5	5	180227M1_6	Standard	5.000	6.83	3591.569	4304.283	4.172	5.6	12.3	NO	0.996	NO	bb
6	6	180227M1_7	Standard	10.000	6.83	6892.011	4550.631	7.573	10.2	2.4	NO	0.996	NO	bb
7	7	180227M1_8	Standard	50.000	6.83	32645.291	4600.111	35.483	49.1	-1.8	NO	0.996	NO	bb
8	8	180227M1_9	Standard	100.000	6.83	65830.844	4233.522	77.750	111.3	11.3	NO	0.996	NO	bb
9	9	180227M1_10	Standard	250.000	6.83	154475.922	5173.400	149.298	228.4	-8.6	NO	0.996	NO	bb
10	10	180227M1_11	Standard	500.000	6.83	281369.125	5034.409	279.446	513.0	2.6	NO	0.996	NO	MM

Compound name: N-MeFOSE
Correlation coefficient: r = 0.997778, r^2 = 0.995562
Calibration curve: 1.02304 * x + 0.0939698
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	1.250	6.52	351.023	36896.480	1.427	1.3	4.2	NO	0.996	NO	bb
2	2	180227M1_3	Standard	2.500	6.52	665.940	38795.688	2.575	2.4	-3.0	NO	0.996	NO	bb
3	3	180227M1_4	Standard	5.000	6.52	1130.782	36674.637	4.625	4.4	-11.4	NO	0.996	NO	bb
4	4	180227M1_5	Standard	10.000	6.52	2080.093	31031.521	10.055	9.7	-2.6	NO	0.996	NO	bb
5	5	180227M1_6	Standard	25.000	6.52	6128.452	32074.934	28.660	27.9	11.7	NO	0.996	NO	MM
6	6	180227M1_7	Standard	50.000	6.52	10598.961	35391.883	44.921	43.8	-12.4	NO	0.996	NO	bb
7	7	180227M1_8	Standard	250.000	6.52	60888.566	35410.574	257.925	252.0	0.8	NO	0.996	NO	MM
8	8	180227M1_9	Standard	500.000	6.52	123267.070	32296.320	572.513	559.5	11.9	NO	0.996	NO	MM
9	9	180227M1_10	Standard	1250.000	6.52	297607.500	32887.648	1357.383	1326.7	6.1	NO	0.996	NO	MM
10	10	180227M1_11	Standard	2500.000	6.52	444198.313	27527.945	2420.440	2365.8	-5.4	NO	0.996	NO	MM

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Compound name: N-EtFOSE
Coefficient of Determination: R^2 = 0.999564
Calibration curve: -2.88587e-005 * x^2 + 1.21265 * x + 0.607923
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	1.250	6.67	343.161	29576.838	1.740	0.9	-25.3	NO	1.000	NO	bb
2	2	180227M1_3	Standard	2.500	6.66	649.786	32666.223	2.984	2.0	-21.6	NO	1.000	NO	bb
3	3	180227M1_4	Standard	5.000	6.66	1411.388	26922.959	7.863	6.0	19.7	NO	1.000	NO	bb
4	4	180227M1_5	Standard	10.000	6.66	2832.072	29601.598	14.351	11.3	13.4	NO	1.000	NO	bb
5	5	180227M1_6	Standard	25.000	6.66	6053.756	28827.805	31.500	25.5	2.0	NO	1.000	NO	bb
6	6	180227M1_7	Standard	50.000	6.66	13696.298	29622.775	69.354	56.8	13.5	NO	1.000	NO	MM
7	7	180227M1_8	Standard	250.000	6.66	54811.180	26987.734	304.645	252.2	0.9	NO	1.000	NO	bb
8	8	180227M1_9	Standard	500.000	6.66	114987.977	29490.340	584.876	487.5	-2.5	NO	1.000	NO	MM
9	9	180227M1_10	Standard	1250.000	6.66	276195.063	28192.508	1469.513	1248.4	-0.1	NO	1.000	NO	MM
10	10	180227M1_11	Standard	2500.000	6.66	511543.750	26873.332	2855.305	2503.2	0.1	NO	1.000	NO	MM

Compound name: 13C3-PFBA
Response Factor: 0.939967
RRF SD: 0.0216493, Relative SD: 2.30319
Response type: Internal Std (Ref 55), 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	180227M1_2	Standard	12.500	1.55	14228.288	14955.334	11.892	12.7	1.2	NO		NO	MM
2	2	180227M1_3	Standard	12.500	1.55	14460.204	15070.472	11.994	12.8	2.1	NO		NO	bb
3	3	180227M1_4	Standard	12.500	1.54	15073.476	15698.706	12.002	12.8	2.1	NO		NO	bb
4	4	180227M1_5	Standard	12.500	1.55	13613.571	14967.670	11.369	12.1	-3.2	NO		NO	bb
5	5	180227M1_6	Standard	12.500	1.54	14411.856	15213.537	11.841	12.6	0.8	NO		NO	bb
6	6	180227M1_7	Standard	12.500	1.54	13910.517	14943.754	11.636	12.4	-1.0	NO		NO	MM
7	7	180227M1_8	Standard	12.500	1.54	14653.654	15030.710	12.186	13.0	3.7	NO		NO	bb
8	8	180227M1_9	Standard	12.500	1.54	13510.463	14595.577	11.571	12.3	-1.5	NO		NO	MM
9	9	180227M1_10	Standard	12.500	1.54	13184.140	14273.360	11.546	12.3	-1.7	NO		NO	bb
10	10	180227M1_11	Standard	12.500	1.55	12490.216	13625.888	11.458	12.2	-2.5	NO		NO	bb

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Compound name: 13C3-PFPeA
Response Factor: 0.948211
RRF SD: 0.0500568, Relative SD: 5.27908
Response type: Internal Std (Ref 56), 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	180227M1_2	Standard	12.500	2.52	15638.393	14775.564	13.230	14.0	11.6	NO		NO	bb
2	2	180227M1_3	Standard	12.500	2.51	16287.603	17782.404	11.449	12.1	-3.4	NO		NO	MM
3	3	180227M1_4	Standard	12.500	2.50	15202.143	16995.340	11.181	11.8	-5.7	NO		NO	MM
4	4	180227M1_5	Standard	12.500	2.50	14157.853	14868.946	11.902	12.6	0.4	NO		NO	bb
5	5	180227M1_6	Standard	12.500	2.50	15425.106	16385.635	11.767	12.4	-0.7	NO		NO	MM
6	6	180227M1_7	Standard	12.500	2.50	14331.738	15547.642	11.522	12.2	-2.8	NO		NO	MM
7	7	180227M1_8	Standard	12.500	2.50	14991.688	16332.258	11.474	12.1	-3.2	NO		NO	MM
8	8	180227M1_9	Standard	12.500	2.50	13525.295	14929.529	11.324	11.9	-4.5	NO		NO	MM
9	9	180227M1_10	Standard	12.500	2.50	13271.920	13428.792	12.354	13.0	4.2	NO		NO	MM
10	10	180227M1_11	Standard	12.500	2.50	12287.274	12464.763	12.322	13.0	4.0	NO		NO	MM

Compound name: 13C3-PFBS
Response Factor: 0.13137
RRF SD: 0.0098316, Relative SD: 7.48392
Response type: Internal Std (Ref 56), 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	180227M1_2	Standard	12.500	2.79	2135.657	14775.564	1.807	13.8	10.0	NO		NO	bb
2	2	180227M1_3	Standard	12.500	2.78	2196.421	17782.404	1.544	11.8	-6.0	NO		NO	bb
3	3	180227M1_4	Standard	12.500	2.78	2128.295	16995.340	1.565	11.9	-4.7	NO		NO	bb
4	4	180227M1_5	Standard	12.500	2.78	2226.008	14868.946	1.871	14.2	14.0	NO		NO	bb
5	5	180227M1_6	Standard	12.500	2.77	2142.416	16385.635	1.634	12.4	-0.5	NO		NO	bb
6	6	180227M1_7	Standard	12.500	2.78	1807.730	15547.642	1.453	11.1	-11.5	NO		NO	bb
7	7	180227M1_8	Standard	12.500	2.78	2077.917	16332.258	1.590	12.1	-3.2	NO		NO	bb
8	8	180227M1_9	Standard	12.500	2.78	1947.916	14929.529	1.631	12.4	-0.7	NO		NO	bb
9	9	180227M1_10	Standard	12.500	2.78	1814.711	13428.792	1.689	12.9	2.9	NO		NO	bb
10	10	180227M1_11	Standard	12.500	2.78	1630.975	12464.763	1.636	12.5	-0.4	NO		NO	bb

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Compound name: 13C2-PFHxA
Response Factor: 0.740393
RRF SD: 0.056699, Relative SD: 7.65796
Response type: Internal Std (Ref 56), 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	180227M1_2	Standard	5.000	3.28	4853.958	14775.564	4.106	5.5	10.9	NO		NO	bb
2	2	180227M1_3	Standard	5.000	3.27	4650.471	17782.404	3.269	4.4	-11.7	NO		NO	MM
3	3	180227M1_4	Standard	5.000	3.27	4454.000	16995.340	3.276	4.4	-11.5	NO		NO	bb
4	4	180227M1_5	Standard	5.000	3.26	4381.511	14868.946	3.683	5.0	-0.5	NO		NO	bd
5	5	180227M1_6	Standard	5.000	3.26	4921.658	16385.635	3.755	5.1	1.4	NO		NO	bb
6	6	180227M1_7	Standard	5.000	3.26	4434.758	15547.642	3.565	4.8	-3.7	NO		NO	bb
7	7	180227M1_8	Standard	5.000	3.26	4781.364	16332.258	3.659	4.9	-1.1	NO		NO	MM
8	8	180227M1_9	Standard	5.000	3.26	4462.540	14929.529	3.736	5.0	0.9	NO		NO	bb
9	9	180227M1_10	Standard	5.000	3.26	4220.131	13428.792	3.928	5.3	6.1	NO		NO	MM
10	10	180227M1_11	Standard	5.000	3.26	4029.446	12464.763	4.041	5.5	9.2	NO		NO	bb

Compound name: 13C4-PFHpA
Response Factor: 0.776231
RRF SD: 0.0520738, Relative SD: 6.70854
Response type: Internal Std (Ref 56), 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	180227M1_2	Standard	12.500	3.89	13268.336	14775.564	11.225	14.5	15.7	NO		NO	bd
2	2	180227M1_3	Standard	12.500	3.88	12852.769	17782.404	9.035	11.6	-6.9	NO		NO	MM
3	3	180227M1_4	Standard	12.500	3.88	13455.287	16995.340	9.896	12.7	2.0	NO		NO	MM
4	4	180227M1_5	Standard	12.500	3.88	11251.971	14868.946	9.459	12.2	-2.5	NO		NO	MM
5	5	180227M1_6	Standard	12.500	3.88	12413.407	16385.635	9.470	12.2	-2.4	NO		NO	MM
6	6	180227M1_7	Standard	12.500	3.88	11602.052	15547.642	9.328	12.0	-3.9	NO		NO	MM
7	7	180227M1_8	Standard	12.500	3.88	12699.598	16332.258	9.720	12.5	0.2	NO		NO	bb
8	8	180227M1_9	Standard	12.500	3.88	10683.677	14929.529	8.945	11.5	-7.8	NO		NO	MM
9	9	180227M1_10	Standard	12.500	3.88	10574.237	13428.792	9.843	12.7	1.4	NO		NO	MM
10	10	180227M1_11	Standard	12.500	3.88	10079.918	12464.763	10.108	13.0	4.2	NO		NO	MM

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Compound name: 18O2-PFHxS
Response Factor: 0.412321
RRF SD: 0.0368519, Relative SD: 8.93767
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	12.500	4.04	1648.080	4563.581	4.514	10.9	-12.4	NO		NO	bb
2	2	180227M1_3	Standard	12.500	4.03	1577.173	3777.150	5.219	12.7	1.3	NO		NO	bb
3	3	180227M1_4	Standard	12.500	4.03	1772.316	3911.015	5.665	13.7	9.9	NO		NO	bb
4	4	180227M1_5	Standard	12.500	4.03	1613.799	3947.558	5.110	12.4	-0.9	NO		NO	bb
5	5	180227M1_6	Standard	12.500	4.03	1512.671	3997.585	4.730	11.5	-8.2	NO		NO	bb
6	6	180227M1_7	Standard	12.500	4.03	1543.351	4090.132	4.717	11.4	-8.5	NO		NO	bb
7	7	180227M1_8	Standard	12.500	4.03	1598.287	4196.691	4.761	11.5	-7.6	NO		NO	bb
8	8	180227M1_9	Standard	12.500	4.03	1714.000	3876.215	5.527	13.4	7.2	NO		NO	bb
9	9	180227M1_10	Standard	12.500	4.03	1521.420	3489.526	5.450	13.2	5.7	NO		NO	bb
10	10	180227M1_11	Standard	12.500	4.03	1433.519	3064.422	5.847	14.2	13.5	NO		NO	bb

Compound name: 13C2-PFOA
Response Factor: 1.89144
RRF SD: 0.117289, Relative SD: 6.20106
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	12.500	4.42	17420.764	8554.903	25.454	13.5	7.7	NO		NO	MM
2	2	180227M1_3	Standard	12.500	4.41	18120.027	9314.739	24.316	12.9	2.8	NO		NO	bb
3	3	180227M1_4	Standard	12.500	4.41	19430.578	9588.793	25.330	13.4	7.1	NO		NO	MM
4	4	180227M1_5	Standard	12.500	4.40	19499.719	9816.284	24.831	13.1	5.0	NO		NO	MM
5	5	180227M1_6	Standard	12.500	4.40	17881.482	9264.963	24.125	12.8	2.0	NO		NO	MM
6	6	180227M1_7	Standard	12.500	4.40	18512.490	9951.991	23.252	12.3	-1.7	NO		NO	MM
7	7	180227M1_8	Standard	12.500	4.40	17018.424	10042.869	21.182	11.2	-10.4	NO		NO	MM
8	8	180227M1_9	Standard	12.500	4.40	17777.477	10139.244	21.917	11.6	-7.3	NO		NO	MM
9	9	180227M1_10	Standard	12.500	4.40	18133.762	10184.008	22.258	11.8	-5.9	NO		NO	MM
10	10	180227M1_11	Standard	12.500	4.40	16125.236	8481.604	23.765	12.6	0.5	NO		NO	bb

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Compound name: 13C5-PFNA
Response Factor: 0.959404
RRF SD: 0.0738389, Relative SD: 7.69633
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	12.500	4.85	13868.765	14653.332	11.831	12.3	-1.3	NO		NO	bb
2	2	180227M1_3	Standard	12.500	4.84	15664.475	17596.773	11.127	11.6	-7.2	NO		NO	bb
3	3	180227M1_4	Standard	12.500	4.84	15806.176	15916.615	12.413	12.9	3.5	NO		NO	MM
4	4	180227M1_5	Standard	12.500	4.83	13250.253	14115.383	11.734	12.2	-2.2	NO		NO	MM
5	5	180227M1_6	Standard	12.500	4.84	12518.346	14163.941	11.048	11.5	-7.9	NO		NO	MM
6	6	180227M1_7	Standard	12.500	4.84	15692.719	16194.510	12.113	12.6	1.0	NO		NO	bb
7	7	180227M1_8	Standard	12.500	4.84	15434.172	13730.620	14.051	14.6	17.2	NO		NO	bb
8	8	180227M1_9	Standard	12.500	4.84	13082.544	14812.340	11.040	11.5	-7.9	NO		NO	MM
9	9	180227M1_10	Standard	12.500	4.84	14070.608	13798.304	12.747	13.3	6.3	NO		NO	MM
10	10	180227M1_11	Standard	12.500	4.84	12000.793	12689.057	11.822	12.3	-1.4	NO		NO	bb

Compound name: 13C8-PFOSA
Response Factor: 0.307964
RRF SD: 0.0343735, Relative SD: 11.1615
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	180227M1_2	Standard	12.500	4.92	5079.123	15234.056	4.168	13.5	8.3	NO		NO	bb
2	2	180227M1_3	Standard	12.500	4.91	4685.668	16003.188	3.660	11.9	-4.9	NO		NO	bb
3	3	180227M1_4	Standard	12.500	4.91	4803.483	15968.087	3.760	12.2	-2.3	NO		NO	MM
4	4	180227M1_5	Standard	12.500	4.90	5478.656	14914.421	4.592	14.9	19.3	NO		NO	bb
5	5	180227M1_6	Standard	12.500	4.90	5086.880	16258.063	3.911	12.7	1.6	NO		NO	bb
6	6	180227M1_7	Standard	12.500	4.91	4554.213	16306.176	3.491	11.3	-9.3	NO		NO	MM
7	7	180227M1_8	Standard	12.500	4.90	4572.856	15863.057	3.603	11.7	-6.4	NO		NO	MM
8	8	180227M1_9	Standard	12.500	4.90	4905.574	13769.287	4.453	14.5	15.7	NO		NO	bb
9	9	180227M1_10	Standard	12.500	4.91	3973.786	13826.850	3.592	11.7	-6.7	NO		NO	bb
10	10	180227M1_11	Standard	12.500	4.90	3544.807	13572.711	3.265	10.6	-15.2	NO		NO	bb

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Compound name: 13C8-PFOS
Response Factor: 1.096
RRF SD: 0.104829, Relative SD: 9.56463
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	180227M1_2	Standard	12.500	4.93	4269.210	3947.258	13.520	12.3	-1.3	NO		NO	bb
2	2	180227M1_3	Standard	12.500	4.92	4773.244	4228.542	14.110	12.9	3.0	NO		NO	bb
3	3	180227M1_4	Standard	12.500	4.92	4724.643	4010.454	14.726	13.4	7.5	NO		NO	bb
4	4	180227M1_5	Standard	12.500	4.92	3786.971	4195.382	11.283	10.3	-17.6	NO		NO	bb
5	5	180227M1_6	Standard	12.500	4.92	3977.194	3504.775	14.185	12.9	3.5	NO		NO	bb
6	6	180227M1_7	Standard	12.500	4.92	3986.890	3558.898	14.003	12.8	2.2	NO		NO	MM
7	7	180227M1_8	Standard	12.500	4.92	4202.969	3526.735	14.897	13.6	8.7	NO		NO	MM
8	8	180227M1_9	Standard	12.500	4.92	3910.426	4197.047	11.646	10.6	-15.0	NO		NO	bb
9	9	180227M1_10	Standard	12.500	4.92	3235.245	2657.678	15.217	13.9	11.1	NO		NO	bb
10	10	180227M1_11	Standard	12.500	4.92	3232.869	3012.660	13.414	12.2	-2.1	NO		NO	bb

Compound name: 13C2-PFDA
Response Factor: 0.92572
RRF SD: 0.0638306, Relative SD: 6.89524
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	180227M1_2	Standard	12.500	5.22	12588.888	12081.235	13.025	14.1	12.6	NO		NO	bb
2	2	180227M1_3	Standard	12.500	5.22	14687.019	15654.240	11.728	12.7	1.3	NO		NO	MM
3	3	180227M1_4	Standard	12.500	5.21	13649.661	14781.490	11.543	12.5	-0.2	NO		NO	bb
4	4	180227M1_5	Standard	12.500	5.21	13724.007	13488.919	12.718	13.7	9.9	NO		NO	MM
5	5	180227M1_6	Standard	12.500	5.21	13239.022	14105.833	11.732	12.7	1.4	NO		NO	bb
6	6	180227M1_7	Standard	12.500	5.21	12490.549	14147.228	11.036	11.9	-4.6	NO		NO	MM
7	7	180227M1_8	Standard	12.500	5.21	13999.570	15800.161	11.075	12.0	-4.3	NO		NO	MM
8	8	180227M1_9	Standard	12.500	5.21	12792.729	13890.076	11.512	12.4	-0.5	NO		NO	bb
9	9	180227M1_10	Standard	12.500	5.21	10100.607	12082.181	10.450	11.3	-9.7	NO		NO	MM
10	10	180227M1_11	Standard	12.500	5.21	10203.114	11705.745	10.895	11.8	-5.8	NO		NO	MM

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Compound name: d3-N-MeFOSAA
Response Factor: 0.358527
RRF SD: 0.0377417, Relative SD: 10.5269
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	180227M1_2	Standard	12.500	5.37	5616.638	15234.056	4.609	12.9	2.8	NO		NO	MM
2	2	180227M1_3	Standard	12.500	5.36	5354.282	16003.188	4.182	11.7	-6.7	NO		NO	MM
3	3	180227M1_4	Standard	12.500	5.36	5604.221	15968.087	4.387	12.2	-2.1	NO		NO	MM
4	4	180227M1_5	Standard	12.500	5.36	5028.410	14914.421	4.214	11.8	-6.0	NO		NO	bb
5	5	180227M1_6	Standard	12.500	5.36	5549.750	16258.063	4.267	11.9	-4.8	NO		NO	MM
6	6	180227M1_7	Standard	12.500	5.36	5046.857	16306.176	3.869	10.8	-13.7	NO		NO	bb
7	7	180227M1_8	Standard	12.500	5.36	5986.112	15863.057	4.717	13.2	5.3	NO		NO	bb
8	8	180227M1_9	Standard	12.500	5.36	6199.992	13769.287	5.628	15.7	25.6	NO		NO	bb
9	9	180227M1_10	Standard	12.500	5.36	4823.407	13826.850	4.361	12.2	-2.7	NO		NO	MM
10	10	180227M1_11	Standard	12.500	5.36	4974.992	13572.711	4.582	12.8	2.2	NO		NO	MM

Compound name: d5-N-EtFOSAA
Response Factor: 0.434761
RRF SD: 0.0348697, Relative SD: 8.02043
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	180227M1_2	Standard	12.500	5.53	6481.687	15234.056	5.318	12.2	-2.1	NO		NO	bb
2	2	180227M1_3	Standard	12.500	5.52	7017.148	16003.188	5.481	12.6	0.9	NO		NO	MM
3	3	180227M1_4	Standard	12.500	5.52	6851.811	15968.087	5.364	12.3	-1.3	NO		NO	MM
4	4	180227M1_5	Standard	12.500	5.52	7175.643	14914.421	6.014	13.8	10.7	NO		NO	bb
5	5	180227M1_6	Standard	12.500	5.52	7500.553	16258.063	5.767	13.3	6.1	NO		NO	MM
6	6	180227M1_7	Standard	12.500	5.52	6750.415	16306.176	5.175	11.9	-4.8	NO		NO	bb
7	7	180227M1_8	Standard	12.500	5.52	7170.505	15863.057	5.650	13.0	4.0	NO		NO	bd
8	8	180227M1_9	Standard	12.500	5.52	6572.744	13769.287	5.967	13.7	9.8	NO		NO	bb
9	9	180227M1_10	Standard	12.500	5.52	5493.099	13826.850	4.966	11.4	-8.6	NO		NO	bd
10	10	180227M1_11	Standard	12.500	5.51	5041.793	13572.711	4.643	10.7	-14.6	NO		NO	bb

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Compound name: 13C2-PFUdA
Response Factor: 1.13777
RRF SD: 0.107094, Relative SD: 9.41258
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	180227M1_2	Standard	12.500	5.55	17742.486	15234.056	14.558	12.8	2.4	NO		NO	MM
2	2	180227M1_3	Standard	12.500	5.54	20030.451	16003.188	15.646	13.8	10.0	NO		NO	MM
3	3	180227M1_4	Standard	12.500	5.54	17284.902	15968.087	13.531	11.9	-4.9	NO		NO	bb
4	4	180227M1_5	Standard	12.500	5.53	17678.043	14914.421	14.816	13.0	4.2	NO		NO	MM
5	5	180227M1_6	Standard	12.500	5.53	17539.842	16258.063	13.485	11.9	-5.2	NO		NO	MM
6	6	180227M1_7	Standard	12.500	5.53	16212.922	16306.176	12.429	10.9	-12.6	NO		NO	bb
7	7	180227M1_8	Standard	12.500	5.53	17597.273	15863.057	13.867	12.2	-2.5	NO		NO	MM
8	8	180227M1_9	Standard	12.500	5.53	18186.008	13769.287	16.510	14.5	16.1	NO		NO	MM
9	9	180227M1_10	Standard	12.500	5.54	16601.443	13826.850	15.008	13.2	5.5	NO		NO	bb
10	10	180227M1_11	Standard	12.500	5.53	13434.172	13572.711	12.372	10.9	-13.0	NO		NO	MM

Compound name: 13C2-PFDoA
Response Factor: 1.05865
RRF SD: 0.0902307, Relative SD: 8.52316
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	180227M1_2	Standard	12.500	5.83	15843.614	15234.056	13.000	12.3	-1.8	NO		NO	MM
2	2	180227M1_3	Standard	12.500	5.82	16036.967	16003.188	12.526	11.8	-5.3	NO		NO	MM
3	3	180227M1_4	Standard	12.500	5.82	19454.689	15968.087	15.229	14.4	15.1	NO		NO	MM
4	4	180227M1_5	Standard	12.500	5.82	15653.410	14914.421	13.119	12.4	-0.9	NO		NO	MM
5	5	180227M1_6	Standard	12.500	5.82	15731.971	16258.063	12.096	11.4	-8.6	NO		NO	MM
6	6	180227M1_7	Standard	12.500	5.82	15024.864	16306.176	11.518	10.9	-13.0	NO		NO	MM
7	7	180227M1_8	Standard	12.500	5.82	18188.592	15863.057	14.333	13.5	8.3	NO		NO	MM
8	8	180227M1_9	Standard	12.500	5.82	14964.458	13769.287	13.585	12.8	2.7	NO		NO	MM
9	9	180227M1_10	Standard	12.500	5.82	15756.785	13826.850	14.245	13.5	7.6	NO		NO	MM
10	10	180227M1_11	Standard	12.500	5.82	13769.033	13572.711	12.681	12.0	-4.2	NO		NO	MM

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Compound name: d3-N-MeFOSA
Response Factor: 0.150902
RRF SD: 0.0090526, Relative SD: 5.99901
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	180227M1_2	Standard	150.000	6.04	28572.682	15234.056	23.445	155.4	3.6	NO		NO	MM
2	2	180227M1_3	Standard	150.000	6.03	29262.326	16003.188	22.857	151.5	1.0	NO		NO	MM
3	3	180227M1_4	Standard	150.000	6.03	30996.006	15968.087	24.264	160.8	7.2	NO		NO	MM
4	4	180227M1_5	Standard	150.000	6.03	28178.717	14914.421	23.617	156.5	4.3	NO		NO	MM
5	5	180227M1_6	Standard	150.000	6.03	28356.631	16258.063	21.802	144.5	-3.7	NO		NO	bb
6	6	180227M1_7	Standard	150.000	6.03	25582.801	16306.176	19.611	130.0	-13.4	NO		NO	MM
7	7	180227M1_8	Standard	150.000	6.03	27206.578	15863.057	21.439	142.1	-5.3	NO		NO	MM
8	8	180227M1_9	Standard	150.000	6.03	25926.713	13769.287	23.537	156.0	4.0	NO		NO	MM
9	9	180227M1_10	Standard	150.000	6.03	25512.012	13826.850	23.064	152.8	1.9	NO		NO	MM
10	10	180227M1_11	Standard	150.000	6.03	24667.188	13572.711	22.718	150.5	0.4	NO		NO	MM

Compound name: 13C2-PFTeDA
Response Factor: 0.483802
RRF SD: 0.0625342, Relative SD: 12.9256
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	180227M1_2	Standard	12.500	6.29	6794.941	15234.056	5.575	11.5	-7.8	NO		NO	MM
2	2	180227M1_3	Standard	12.500	6.29	6965.842	16003.188	5.441	11.2	-10.0	NO		NO	MM
3	3	180227M1_4	Standard	12.500	6.28	7300.396	15968.087	5.715	11.8	-5.5	NO		NO	MM
4	4	180227M1_5	Standard	12.500	6.28	7174.022	14914.421	6.013	12.4	-0.6	NO		NO	MM
5	5	180227M1_6	Standard	12.500	6.28	7288.365	16258.063	5.604	11.6	-7.3	NO		NO	MM
6	6	180227M1_7	Standard	12.500	6.28	6893.246	16306.176	5.284	10.9	-12.6	NO		NO	MM
7	7	180227M1_8	Standard	12.500	6.28	7012.007	15863.057	5.525	11.4	-8.6	NO		NO	MM
8	8	180227M1_9	Standard	12.500	6.28	7390.643	13769.287	6.709	13.9	10.9	NO		NO	MM!
9	9	180227M1_10	Standard	12.500	6.28	7779.816	13826.850	7.033	14.5	16.3	NO		NO	MM
10	10	180227M1_11	Standard	12.500	6.28	8225.573	13572.711	7.575	15.7	25.3	NO		NO	bb

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Compound name: d5-N-ETFOSA
Response Factor: 0.214961
RRF SD: 0.0144314, Relative SD: 6.71347
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	180227M1_2	Standard	150.000	6.42	42081.684	15234.056	34.529	160.6	7.1	NO		NO	MM
2	2	180227M1_3	Standard	150.000	6.42	42509.617	16003.188	33.204	154.5	3.0	NO		NO	MM
3	3	180227M1_4	Standard	150.000	6.41	41733.316	15968.087	32.669	152.0	1.3	NO		NO	bb
4	4	180227M1_5	Standard	150.000	6.41	40164.898	14914.421	33.663	156.6	4.4	NO		NO	MM
5	5	180227M1_6	Standard	150.000	6.41	41638.094	16258.063	32.013	148.9	-0.7	NO		NO	MM
6	6	180227M1_7	Standard	150.000	6.41	39625.715	16306.176	30.376	141.3	-5.8	NO		NO	MM
7	7	180227M1_8	Standard	150.000	6.41	39659.684	15863.057	31.252	145.4	-3.1	NO		NO	MM
8	8	180227M1_9	Standard	150.000	6.41	38967.379	13769.287	35.375	164.6	9.7	NO		NO	MM
9	9	180227M1_10	Standard	150.000	6.42	34802.699	13826.850	31.463	146.4	-2.4	NO		NO	MM
10	10	180227M1_11	Standard	150.000	6.41	30291.289	13572.711	27.897	129.8	-13.5	NO		NO	MM

Compound name: 13C2-PFHxDA
Response Factor: 0.741197
RRF SD: 0.107139, Relative SD: 14.4548
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	180227M1_2	Standard	5.000	6.61	3790.550	15234.056	3.110	4.2	-16.1	NO		NO	MM
2	2	180227M1_3	Standard	5.000	6.61	4457.731	16003.188	3.482	4.7	-6.0	NO		NO	MM
3	3	180227M1_4	Standard	5.000	6.61	4437.522	15968.087	3.474	4.7	-6.3	NO		NO	bb
4	4	180227M1_5	Standard	5.000	6.61	4074.090	14914.421	3.415	4.6	-7.9	NO		NO	MM
5	5	180227M1_6	Standard	5.000	6.61	4304.283	16258.063	3.309	4.5	-10.7	NO		NO	bb
6	6	180227M1_7	Standard	5.000	6.61	4550.631	16306.176	3.488	4.7	-5.9	NO		NO	bb
7	7	180227M1_8	Standard	5.000	6.61	4600.111	15863.057	3.625	4.9	-2.2	NO		NO	MM
8	8	180227M1_9	Standard	5.000	6.61	4233.522	13769.287	3.843	5.2	3.7	NO		NO	MM
9	9	180227M1_10	Standard	5.000	6.61	5173.400	13826.850	4.677	6.3	26.2	NO		NO	MM
10	10	180227M1_11	Standard	5.000	6.61	5034.409	13572.711	4.637	6.3	25.1	NO		NO	MM

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Compound name: d7-N-MeFOSE
Response Factor: 0.186262
RRF SD: 0.0138024, Relative SD: 7.41019
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	180227M1_2	Standard	150.000	6.52	36896.480	15234.056	30.275	162.5	8.4	NO		NO	MM
2	2	180227M1_3	Standard	150.000	6.51	38795.688	16003.188	30.303	162.7	8.5	NO		NO	MM
3	3	180227M1_4	Standard	150.000	6.51	36674.637	15968.087	28.709	154.1	2.8	NO		NO	MM
4	4	180227M1_5	Standard	150.000	6.51	31031.521	14914.421	26.008	139.6	-6.9	NO		NO	MM
5	5	180227M1_6	Standard	150.000	6.51	32074.934	16258.063	24.661	132.4	-11.7	NO		NO	MM
6	6	180227M1_7	Standard	150.000	6.51	35391.883	16306.176	27.131	145.7	-2.9	NO		NO	MM
7	7	180227M1_8	Standard	150.000	6.51	35410.574	15863.057	27.903	149.8	-0.1	NO		NO	MM
8	8	180227M1_9	Standard	150.000	6.51	32296.320	13769.287	29.319	157.4	4.9	NO		NO	MM
9	9	180227M1_10	Standard	150.000	6.51	32887.648	13826.850	29.732	159.6	6.4	NO		NO	MM
10	10	180227M1_11	Standard	150.000	6.51	27527.945	13572.711	25.352	136.1	-9.3	NO		NO	MM

Compound name: d9-N-EtFOSE
Response Factor: 0.159211
RRF SD: 0.0130345, Relative SD: 8.18697
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	180227M1_2	Standard	150.000	6.66	29576.838	15234.056	24.269	152.4	1.6	NO		NO	MM
2	2	180227M1_3	Standard	150.000	6.66	32666.223	16003.188	25.515	160.3	6.8	NO		NO	MM
3	3	180227M1_4	Standard	150.000	6.66	26922.959	15968.087	21.076	132.4	-11.7	NO		NO	MM
4	4	180227M1_5	Standard	150.000	6.65	29601.598	14914.421	24.810	155.8	3.9	NO		NO	MM
5	5	180227M1_6	Standard	150.000	6.65	28827.805	16258.063	22.164	139.2	-7.2	NO		NO	MM
6	6	180227M1_7	Standard	150.000	6.65	29622.775	16306.176	22.708	142.6	-4.9	NO		NO	MM
7	7	180227M1_8	Standard	150.000	6.65	26987.734	15863.057	21.266	133.6	-11.0	NO		NO	MM
8	8	180227M1_9	Standard	150.000	6.66	29490.340	13769.287	26.772	168.2	12.1	NO		NO	MM
9	9	180227M1_10	Standard	150.000	6.65	28192.508	13826.850	25.487	160.1	6.7	NO		NO	MM
10	10	180227M1_11	Standard	150.000	6.65	26873.332	13572.711	24.749	155.5	3.6	NO		NO	MM

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Compound name: 13C4-PFBA
Response Factor: 1
RRF SD: 9.79125e-017, Relative SD: 9.79125e-015
Response type: Internal Std (Ref 55), 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	180227M1_2	Standard	12.500	1.55	14955.334	14955.334	12.500	12.5	0.0	NO		NO	bb
2	2	180227M1_3	Standard	12.500	1.55	15070.472	15070.472	12.500	12.5	0.0	NO		NO	bb
3	3	180227M1_4	Standard	12.500	1.54	15698.706	15698.706	12.500	12.5	0.0	NO		NO	MM
4	4	180227M1_5	Standard	12.500	1.54	14967.670	14967.670	12.500	12.5	0.0	NO		NO	MM
5	5	180227M1_6	Standard	12.500	1.54	15213.537	15213.537	12.500	12.5	0.0	NO		NO	bb
6	6	180227M1_7	Standard	12.500	1.54	14943.754	14943.754	12.500	12.5	0.0	NO		NO	bb
7	7	180227M1_8	Standard	12.500	1.54	15030.710	15030.710	12.500	12.5	0.0	NO		NO	bb
8	8	180227M1_9	Standard	12.500	1.54	14595.577	14595.577	12.500	12.5	0.0	NO		NO	bb
9	9	180227M1_10	Standard	12.500	1.54	14273.360	14273.360	12.500	12.5	0.0	NO		NO	bb
10	10	180227M1_11	Standard	12.500	1.54	13625.888	13625.888	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C5-PFHxA
Response Factor: 1
RRF SD: 7.40149e-017, Relative SD: 7.40149e-015
Response type: Internal Std (Ref 56), 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	180227M1_2	Standard	12.500	3.28	14775.564	14775.564	12.500	12.5	0.0	NO		NO	MM
2	2	180227M1_3	Standard	12.500	3.27	17782.404	17782.404	12.500	12.5	0.0	NO		NO	MM
3	3	180227M1_4	Standard	12.500	3.27	16995.340	16995.340	12.500	12.5	0.0	NO		NO	MM
4	4	180227M1_5	Standard	12.500	3.26	14868.946	14868.946	12.500	12.5	0.0	NO		NO	MM
5	5	180227M1_6	Standard	12.500	3.26	16385.635	16385.635	12.500	12.5	0.0	NO		NO	MM
6	6	180227M1_7	Standard	12.500	3.26	15547.642	15547.642	12.500	12.5	0.0	NO		NO	MM
7	7	180227M1_8	Standard	12.500	3.26	16332.258	16332.258	12.500	12.5	0.0	NO		NO	MM
8	8	180227M1_9	Standard	12.500	3.26	14929.529	14929.529	12.500	12.5	0.0	NO		NO	MM
9	9	180227M1_10	Standard	12.500	3.26	13428.792	13428.792	12.500	12.5	0.0	NO		NO	MM
10	10	180227M1_11	Standard	12.500	3.26	12464.763	12464.763	12.500	12.5	0.0	NO		NO	MM

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Compound name: 13C3-PFHxS
Response Factor: 1
RRF SD: 7.40149e-017, Relative SD: 7.40149e-015
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	12.500	4.04	4563.581	4563.581	12.500	12.5	0.0	NO		NO	bb
2	2	180227M1_3	Standard	12.500	4.03	3777.150	3777.150	12.500	12.5	0.0	NO		NO	MM
3	3	180227M1_4	Standard	12.500	4.03	3911.015	3911.015	12.500	12.5	0.0	NO		NO	bb
4	4	180227M1_5	Standard	12.500	4.03	3947.558	3947.558	12.500	12.5	0.0	NO		NO	bb
5	5	180227M1_6	Standard	12.500	4.03	3997.585	3997.585	12.500	12.5	0.0	NO		NO	bb
6	6	180227M1_7	Standard	12.500	4.03	4090.132	4090.132	12.500	12.5	0.0	NO		NO	bb
7	7	180227M1_8	Standard	12.500	4.03	4196.691	4196.691	12.500	12.5	0.0	NO		NO	bb
8	8	180227M1_9	Standard	12.500	4.03	3876.215	3876.215	12.500	12.5	0.0	NO		NO	bb
9	9	180227M1_10	Standard	12.500	4.03	3489.526	3489.526	12.500	12.5	0.0	NO		NO	bb
10	10	180227M1_11	Standard	12.500	4.03	3064.422	3064.422	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA
Response Factor: 1
RRF SD: 7.40149e-017, Relative SD: 7.40149e-015
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	12.500	4.42	8554.903	8554.903	12.500	12.5	0.0	NO		NO	MM
2	2	180227M1_3	Standard	12.500	4.41	9314.739	9314.739	12.500	12.5	0.0	NO		NO	MM
3	3	180227M1_4	Standard	12.500	4.41	9588.793	9588.793	12.500	12.5	0.0	NO		NO	MM
4	4	180227M1_5	Standard	12.500	4.40	9816.284	9816.284	12.500	12.5	0.0	NO		NO	MM
5	5	180227M1_6	Standard	12.500	4.40	9264.963	9264.963	12.500	12.5	0.0	NO		NO	MM
6	6	180227M1_7	Standard	12.500	4.40	9951.991	9951.991	12.500	12.5	0.0	NO		NO	bb
7	7	180227M1_8	Standard	12.500	4.40	10042.869	10042.869	12.500	12.5	0.0	NO		NO	bb
8	8	180227M1_9	Standard	12.500	4.40	10139.244	10139.244	12.500	12.5	0.0	NO		NO	bb
9	9	180227M1_10	Standard	12.500	4.40	10184.008	10184.008	12.500	12.5	0.0	NO		NO	bd
10	10	180227M1_11	Standard	12.500	4.40	8481.604	8481.604	12.500	12.5	0.0	NO		NO	bb

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Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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Compound name: 13C9-PFNA
Response Factor: 1
RRF SD: 8.27511e-017, Relative SD: 8.27511e-015
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180227M1_2	Standard	12.500	4.85	14653.332	14653.332	12.500	12.5	0.0	NO		NO	MM
2	2	180227M1_3	Standard	12.500	4.84	17596.773	17596.773	12.500	12.5	0.0	NO		NO	MM
3	3	180227M1_4	Standard	12.500	4.84	15916.615	15916.615	12.500	12.5	0.0	NO		NO	MM
4	4	180227M1_5	Standard	12.500	4.83	14115.383	14115.383	12.500	12.5	0.0	NO		NO	bb
5	5	180227M1_6	Standard	12.500	4.84	14163.941	14163.941	12.500	12.5	0.0	NO		NO	MM
6	6	180227M1_7	Standard	12.500	4.84	16194.510	16194.510	12.500	12.5	0.0	NO		NO	MM
7	7	180227M1_8	Standard	12.500	4.84	13730.620	13730.620	12.500	12.5	0.0	NO		NO	bb
8	8	180227M1_9	Standard	12.500	4.84	14812.340	14812.340	12.500	12.5	0.0	NO		NO	bd
9	9	180227M1_10	Standard	12.500	4.84	13798.304	13798.304	12.500	12.5	0.0	NO		NO	bd
10	10	180227M1_11	Standard	12.500	4.84	12689.057	12689.057	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C4-PFOS
Response Factor: 1
RRF SD: 3.70074e-017, Relative SD: 3.70074e-015
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	180227M1_2	Standard	12.500	4.93	3947.258	3947.258	12.500	12.5	0.0	NO		NO	bb
2	2	180227M1_3	Standard	12.500	4.92	4228.542	4228.542	12.500	12.5	0.0	NO		NO	bb
3	3	180227M1_4	Standard	12.500	4.92	4010.454	4010.454	12.500	12.5	0.0	NO		NO	MM
4	4	180227M1_5	Standard	12.500	4.92	4195.382	4195.382	12.500	12.5	0.0	NO		NO	bb
5	5	180227M1_6	Standard	12.500	4.92	3504.775	3504.775	12.500	12.5	0.0	NO		NO	MM
6	6	180227M1_7	Standard	12.500	4.92	3558.898	3558.898	12.500	12.5	0.0	NO		NO	MM
7	7	180227M1_8	Standard	12.500	4.92	3526.735	3526.735	12.500	12.5	0.0	NO		NO	MM
8	8	180227M1_9	Standard	12.500	4.92	4197.047	4197.047	12.500	12.5	0.0	NO		NO	bb
9	9	180227M1_10	Standard	12.500	4.92	2657.678	2657.678	12.500	12.5	0.0	NO		NO	MM
10	10	180227M1_11	Standard	12.500	4.92	3012.660	3012.660	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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Compound name: 13C6-PFDA
Response Factor: 1
RRF SD: 1.04673e-016, Relative SD: 1.04673e-014
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	180227M1_2	Standard	12.500	5.22	12081.235	12081.235	12.500	12.5	0.0	NO		NO	MM
2	2	180227M1_3	Standard	12.500	5.21	15654.240	15654.240	12.500	12.5	0.0	NO		NO	bb
3	3	180227M1_4	Standard	12.500	5.21	14781.490	14781.490	12.500	12.5	0.0	NO		NO	MM
4	4	180227M1_5	Standard	12.500	5.21	13488.919	13488.919	12.500	12.5	0.0	NO		NO	MM
5	5	180227M1_6	Standard	12.500	5.21	14105.833	14105.833	12.500	12.5	0.0	NO		NO	MM
6	6	180227M1_7	Standard	12.500	5.21	14147.228	14147.228	12.500	12.5	0.0	NO		NO	bb
7	7	180227M1_8	Standard	12.500	5.21	15800.161	15800.161	12.500	12.5	0.0	NO		NO	MM
8	8	180227M1_9	Standard	12.500	5.21	13890.076	13890.076	12.500	12.5	0.0	NO		NO	bb
9	9	180227M1_10	Standard	12.500	5.21	12082.181	12082.181	12.500	12.5	0.0	NO		NO	MM
10	10	180227M1_11	Standard	12.500	5.21	11705.745	11705.745	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C7-PFUdA
Response Factor: 1
RRF SD: 9.79125e-017, Relative SD: 9.79125e-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	180227M1_2	Standard	12.500	5.54	15234.056	15234.056	12.500	12.5	0.0	NO		NO	bb
2	2	180227M1_3	Standard	12.500	5.54	16003.188	16003.188	12.500	12.5	0.0	NO		NO	MM
3	3	180227M1_4	Standard	12.500	5.54	15968.087	15968.087	12.500	12.5	0.0	NO		NO	bb
4	4	180227M1_5	Standard	12.500	5.53	14914.421	14914.421	12.500	12.5	0.0	NO		NO	bb
5	5	180227M1_6	Standard	12.500	5.54	16258.063	16258.063	12.500	12.5	0.0	NO		NO	MM
6	6	180227M1_7	Standard	12.500	5.53	16306.176	16306.176	12.500	12.5	0.0	NO		NO	bb
7	7	180227M1_8	Standard	12.500	5.54	15863.057	15863.057	12.500	12.5	0.0	NO		NO	MM
8	8	180227M1_9	Standard	12.500	5.53	13769.287	13769.287	12.500	12.5	0.0	NO		NO	MM
9	9	180227M1_10	Standard	12.500	5.54	13826.850	13826.850	12.500	12.5	0.0	NO		NO	bb
10	10	180227M1_11	Standard	12.500	5.53	13572.711	13572.711	12.500	12.5	0.0	NO		NO	MM

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Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:15:07

Name: 180227M1_2, Date: 27-Feb-2018, Time: 19:30:40, ID: ST180227M1-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

	#	Name	IS#	CoD	CoD Flag	%RSD
1	1	PFBA	34	0.9999	NO	
2	2	PFPeA	35	0.9998	NO	
3	3	PFBS	36	0.9996	NO	
4	4	4:2 FTS	36	0.9986	NO	
5	5	PFHxA	37	0.9986	NO	
6	6	PFPeS	36	0.9994	NO	
7	7	PFHpA	38	0.9987	NO	
8	8	L-PFHxS	39	0.9984	NO	
9	10	6:2 FTS	40	0.9996	NO	
10	11	L-PFOA	40	0.9995	NO	
11	13	PFHpS	40	0.9989	NO	
12	14	PFNA	41	0.9975	NO	
13	15	PFOSA	42	0.9988	NO	
14	16	L-PFOS	43	0.9990	NO	
15	18	PFDA	44	0.9997	NO	
16	19	8:2 FTS	40	0.9938	NO	
17	20	PFNS	43	0.9995	NO	
18	21	N-MeFOSAA	45	0.9974	NO	
19	22	N-EtFOSAA	46	0.9995	NO	
20	23	PFUdA	47	0.9977	NO	
21	24	PFDS	47	0.9989	NO	
22	25	PFDoA	48	0.9995	NO	
23	26	N-MeFOSA	49	0.9963	NO	
24	27	PFTrDA	48	0.9930	NO	
25	28	PFTeDA	50	0.9985	NO	
26	29	N-EtFOSA	51	0.9997	NO	
27	30	PFHxDA	52	0.9953	NO	
28	31	PFODA	52	0.9963	NO	
29	32	N-MeFOSE	53	0.9956	NO	
30	33	N-EtFOSE	54	0.9996	NO	
31	34	13C3-PFBA	55		NO	2.303

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:18:16 Pacific Standard Time

Name: 180227M1_2, Date: 27-Feb-2018, Time: 19:30:40, ID: ST180227M1-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

	#	Name	IS#	CoD	CoD Flag	%RSD
32	35	13C3-PFPeA	56		NO	5.279
33	36	13C3-PFBS	56		NO	7.484
34	37	13C2-PFHxA	56		NO	7.658
35	38	13C4-PFHpA	56		NO	6.709
36	39	18O2-PFHxS	57		NO	8.938
37	40	13C2-PFOA	58		NO	6.201
38	41	13C5-PFNA	59		NO	7.696
39	42	13C8-PFOSA	62		NO	11.162
40	43	13C8-PFOS	60		NO	9.565
41	44	13C2-PFDA	61		NO	6.895
42	45	d3-N-MeFOSAA	62		NO	10.527
43	46	d5-N-EtFOSAA	62		NO	8.020
44	47	13C2-PFUdA	62		NO	9.413
45	48	13C2-PFDoA	62		NO	8.523
46	49	d3-N-MeFOSA	62		NO	5.999
47	50	13C2-PFTeDA	62		NO	12.926
48	51	d5-N-ETFOSA	62		NO	6.713
49	52	13C2-PFHxDA	62		NO	14.455
50	53	d7-N-MeFOSE	62		NO	7.410
51	54	d9-N-EtFOSE	62		NO	8.187
52	55	13C4-PFBA	55		NO	0.000
53	56	13C5-PFHxA	56		NO	0.000
54	57	13C3-PFHxS	57		NO	0.000
55	58	13C8-PFOA	58		NO	0.000
56	59	13C9-PFNA	59		NO	0.000
57	60	13C4-PFOS	60		NO	0.000
58	61	13C6-PFDA	61		NO	0.000
59	62	13C7-PFUdA	62		NO	0.000

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Dataset: Untitled

Last Altered: Wednesday, February 28, 2018 12:01:26 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:01:42 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180227M1_1	IPA	27-Feb-18	19:19:16
2	180227M1_2	ST180227M1-1 PFC CS-2 18B2312	27-Feb-18	19:30:40
3	180227M1_3	ST180227M1-2 PFC CS-1 18B2313	27-Feb-18	19:42:07
4	180227M1_4	ST180227M1-3 PFC CS0 18B2314	27-Feb-18	19:53:34
5	180227M1_5	ST180227M1-4 PFC CS1 18B2315	27-Feb-18	20:05:03
6	180227M1_6	ST180227M1-5 PFC CS2 18B2316	27-Feb-18	20:16:34
7	180227M1_7	ST180227M1-6 PFC CS3 18B2317	27-Feb-18	20:28:00
8	180227M1_8	ST180227M1-7 PFC CS4 18B2318	27-Feb-18	20:39:30
9	180227M1_9	ST180227M1-8 PFC CS5 18B2319	27-Feb-18	20:51:00
10	180227M1_10	ST180227M1-9 PFC CS6 18B2320	27-Feb-18	21:02:27
11	180227M1_11	ST180227M1-10 PFC CS7 18B2321	27-Feb-18	21:13:56
12	180227M1_12	IPA	27-Feb-18	21:25:26
13	180227M1_13	ICV180227M1-1 PFC ICV 18B2311	27-Feb-18	21:36:56
14	180227M1_14	IPA	27-Feb-18	21:48:26

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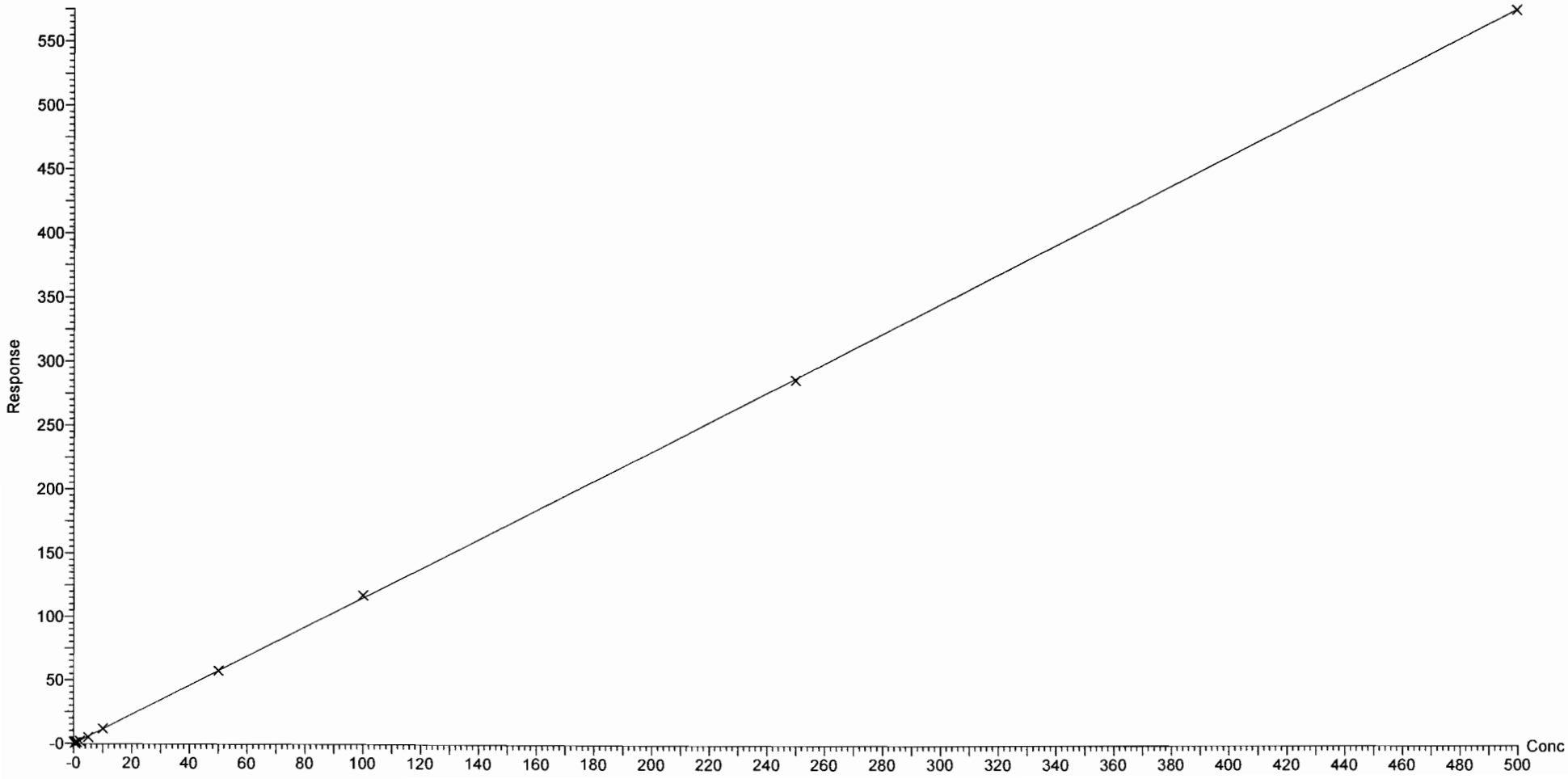
Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

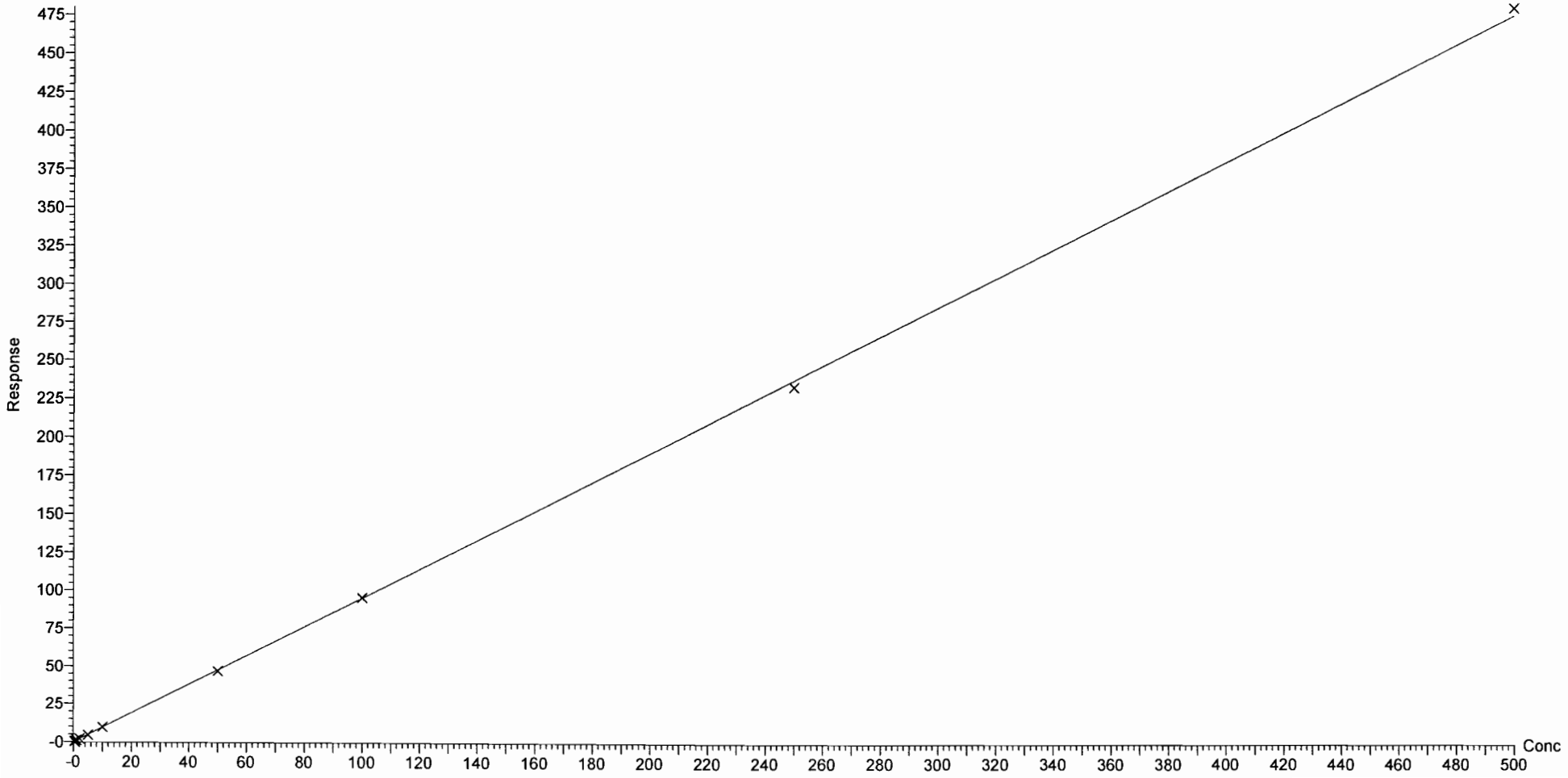
Compound name: PFBA
Correlation coefficient: r = 0.999933, r^2 = 0.999866
Calibration curve: 1.15034 * x + -0.0290428
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

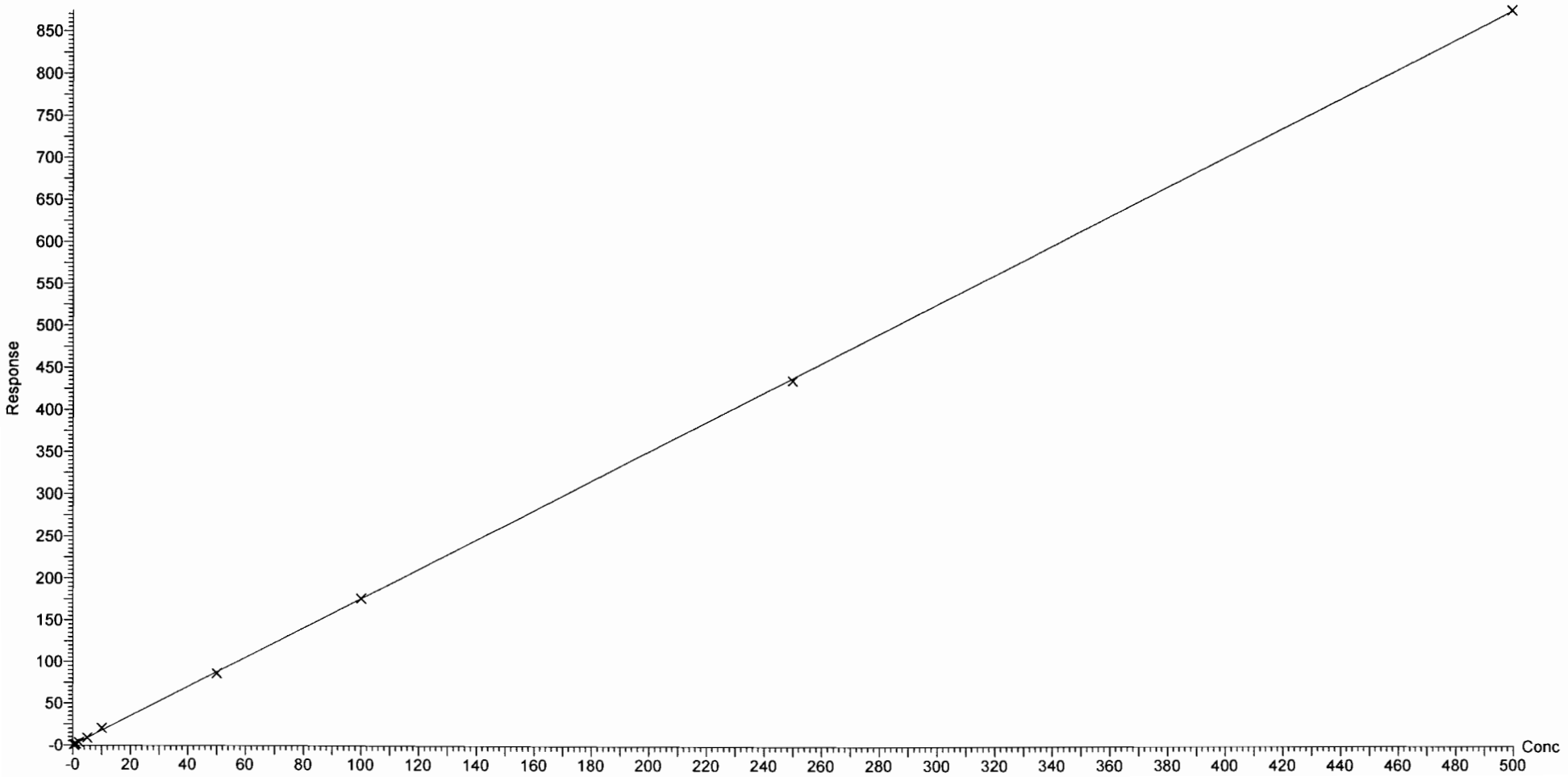
Compound name: PFPeA
Correlation coefficient: r = 0.999876, r^2 = 0.999752
Calibration curve: 0.949924 * x + -0.0302954
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

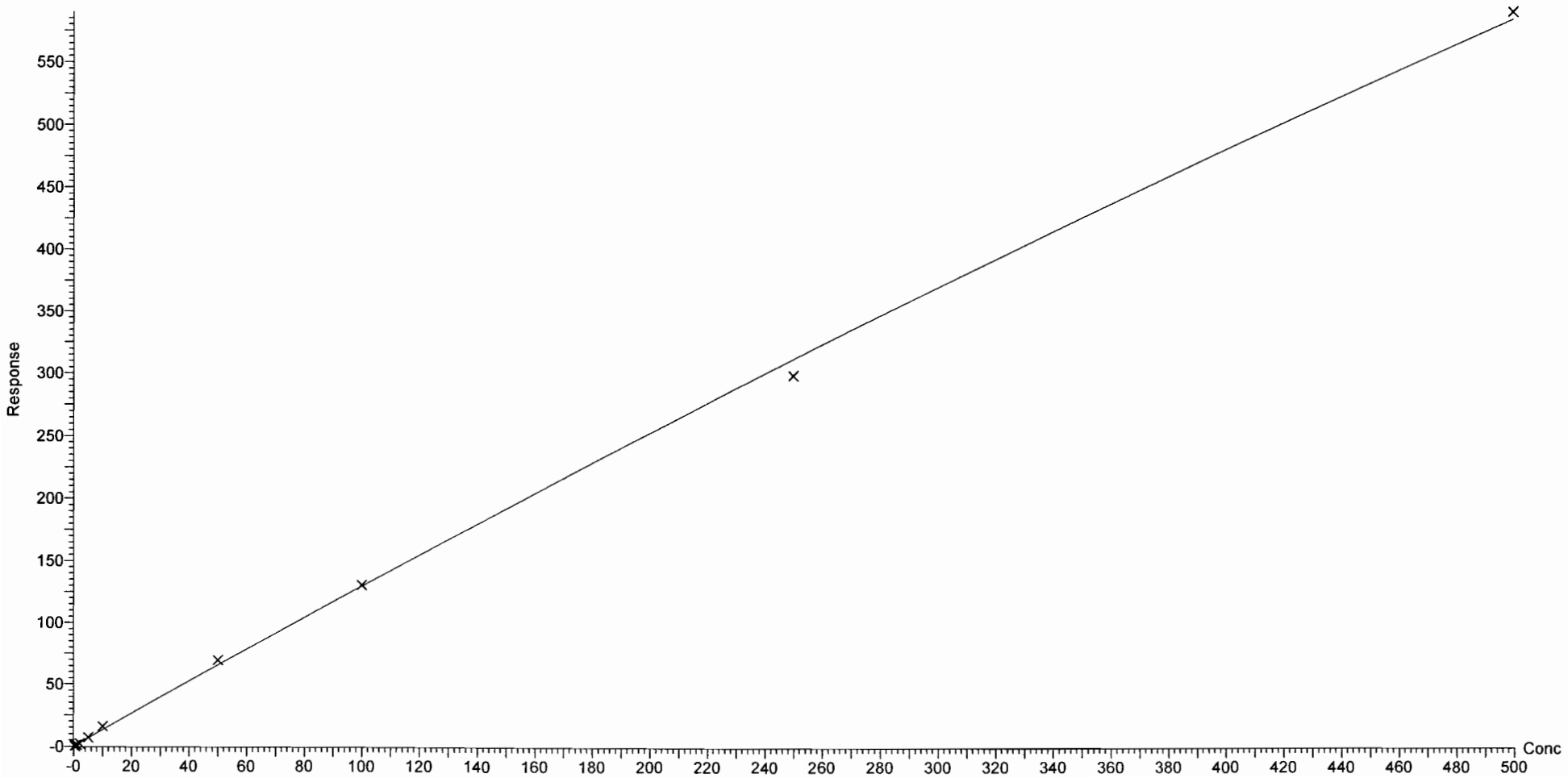
Compound name: PFBS
Coefficient of Determination: R^2 = 0.999617
Calibration curve: -2.96879e-005 * x^2 + 1.76027 * x + 0.0179787
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.998646
Calibration curve: -0.000324236 * x^2 + 1.32959 * x + -0.00403186
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



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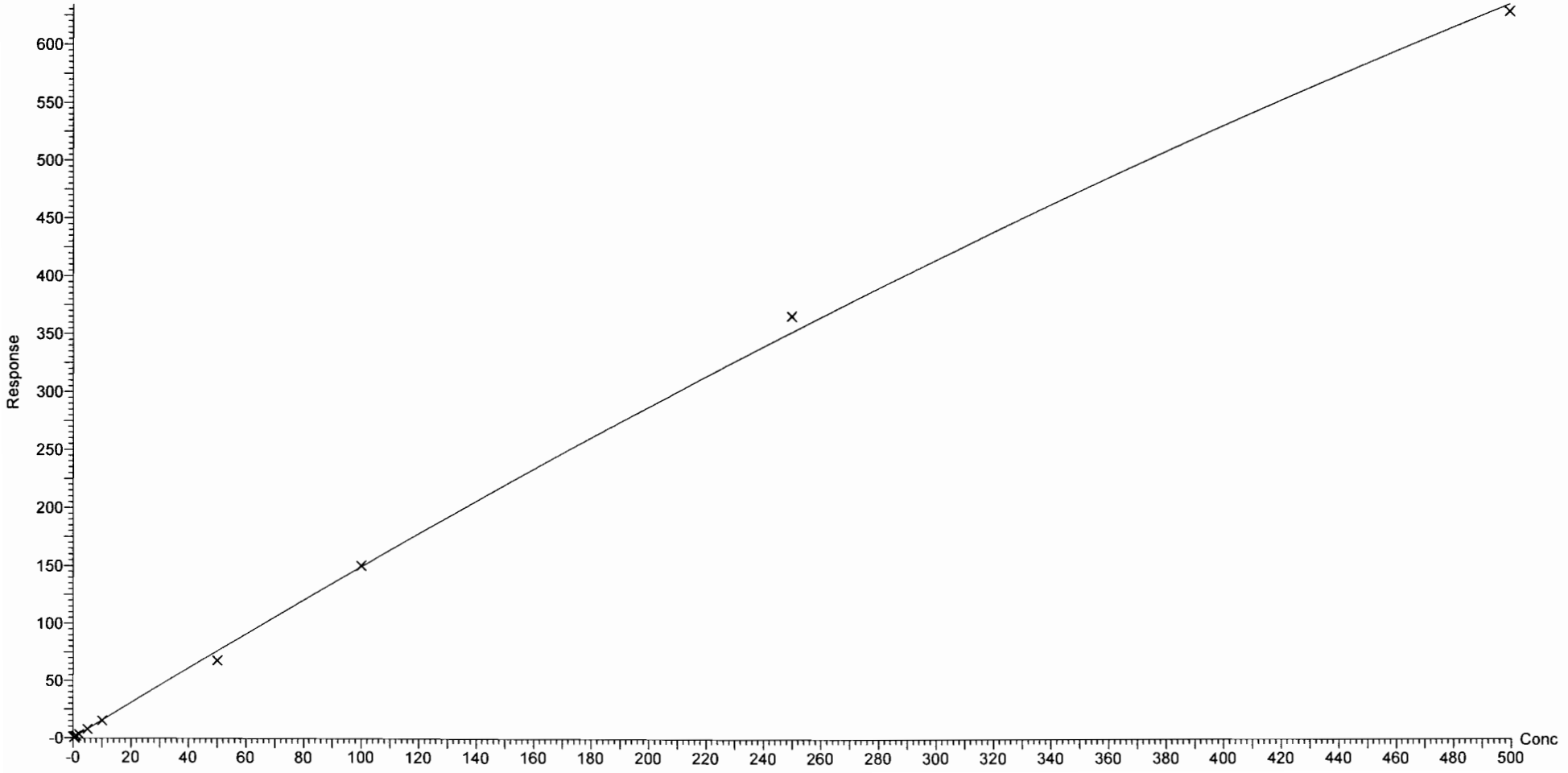
Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

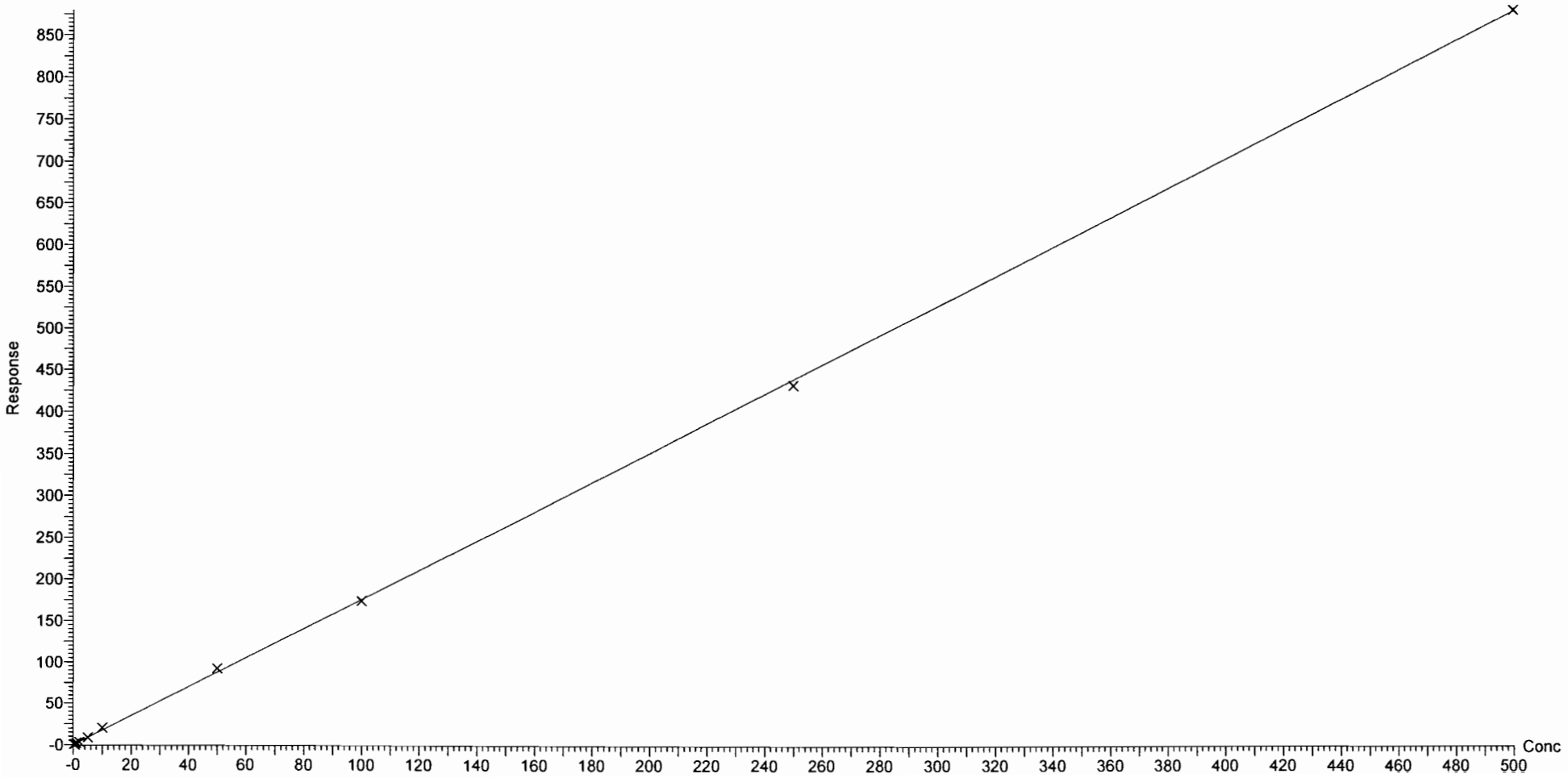
Compound name: PFHxA
Coefficient of Determination: R^2 = 0.998604
Calibration curve: -0.000561868 * x^2 + 1.54876 * x + 0.0349887
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

Compound name: PFPeS
Correlation coefficient: r = 0.999698, r^2 = 0.999397
Calibration curve: 1.75591 * x + 0.0468912
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

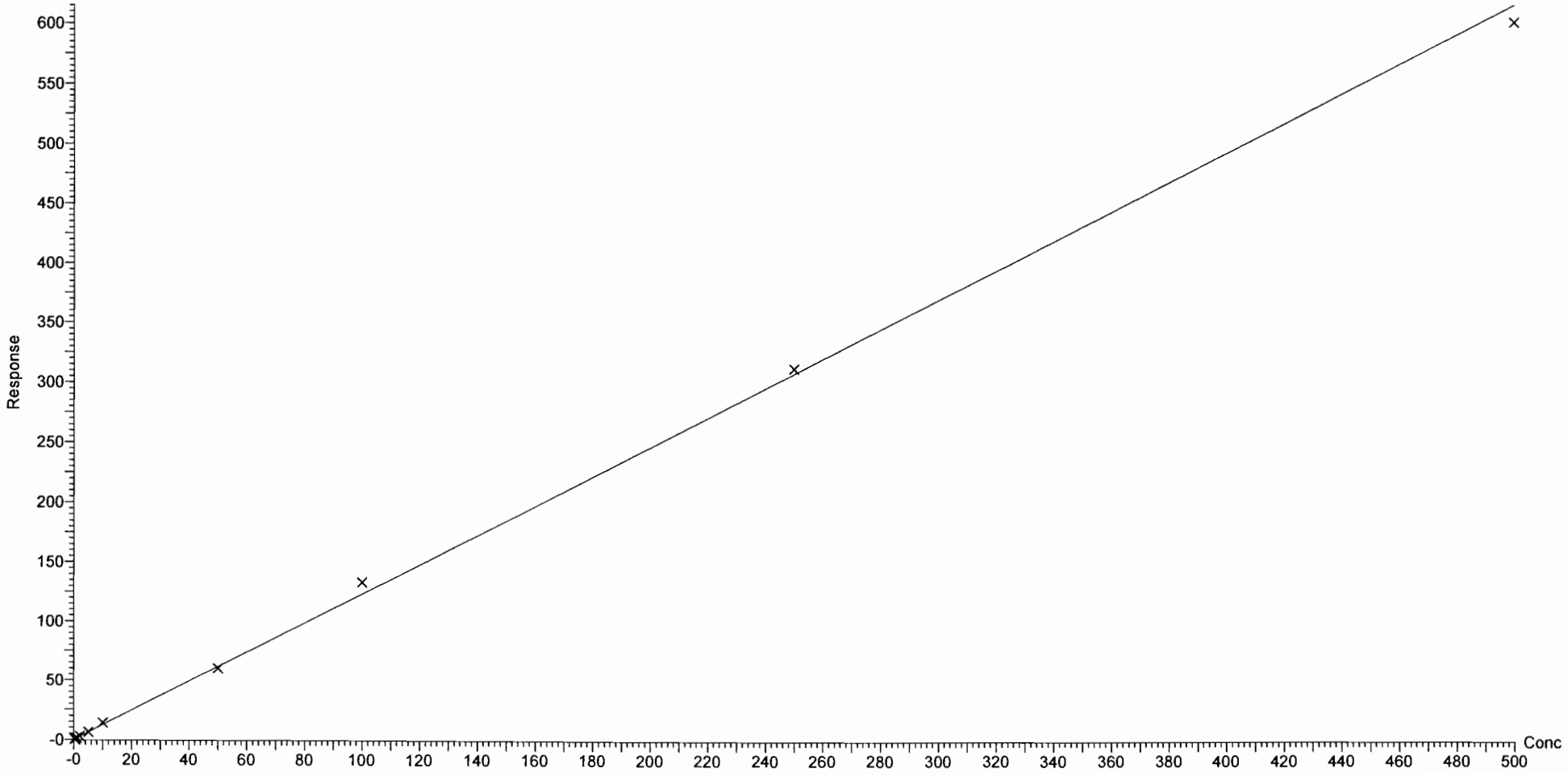


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

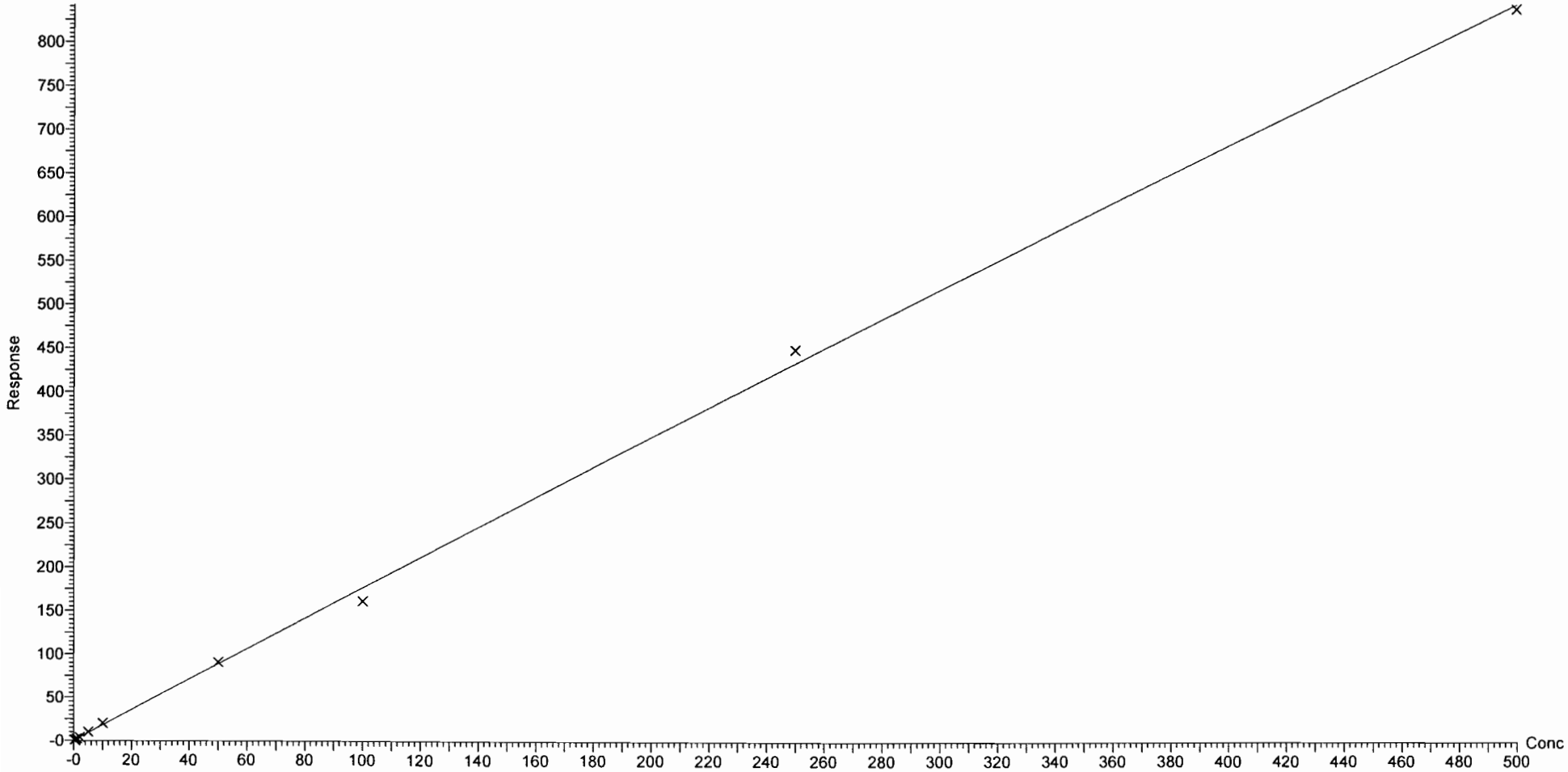
Compound name: PFHpA
Correlation coefficient: r = 0.999340, r^2 = 0.998680
Calibration curve: 1.23026 * x + 0.0914993
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

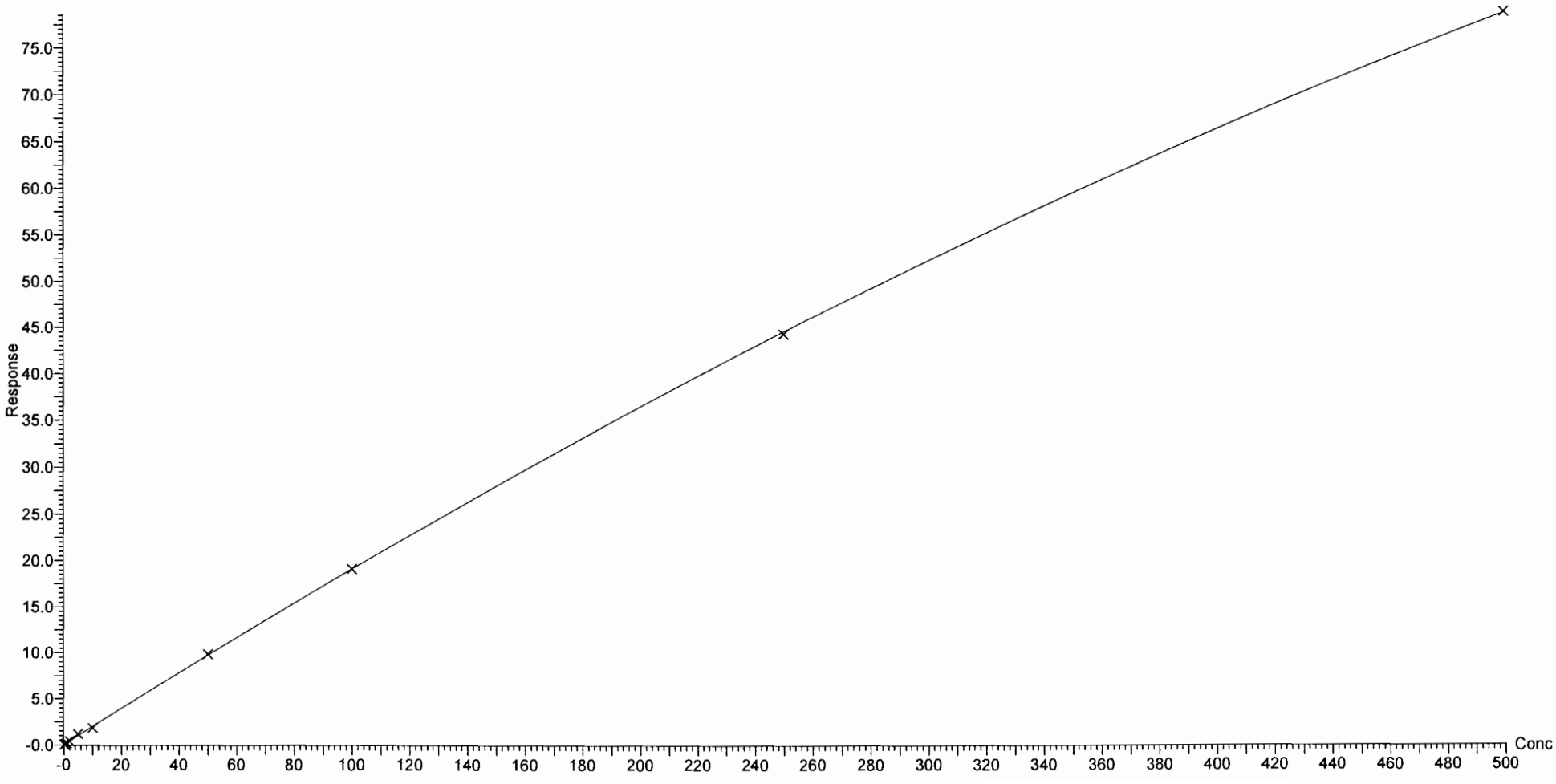
Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.998427
Calibration curve: -0.000200899 * x^2 + 1.78407 * x + 0.104731
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

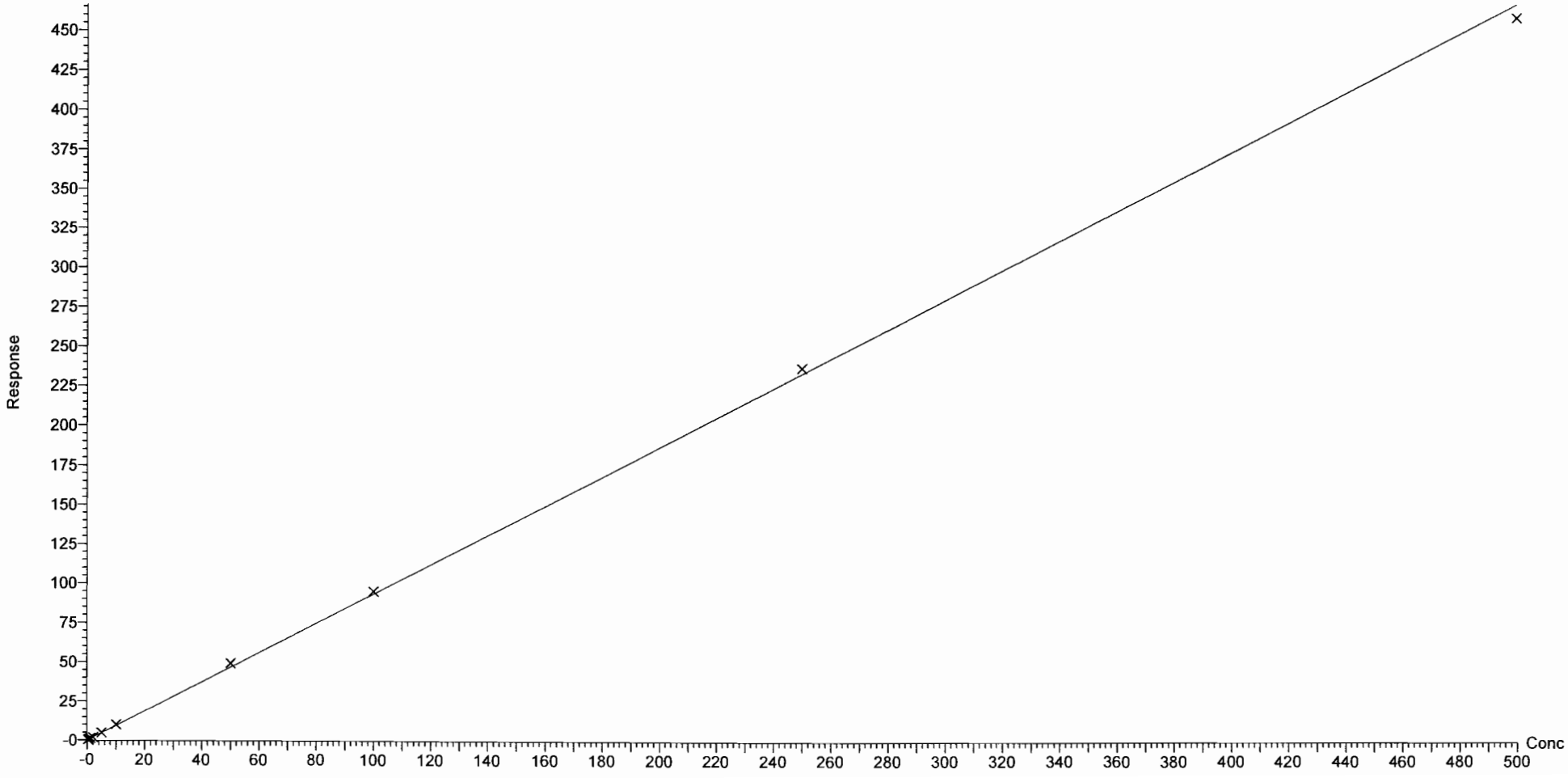
Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.999626
Calibration curve: -8.36865e-005 * x^2 + 0.198807 * x + 0.00833715
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

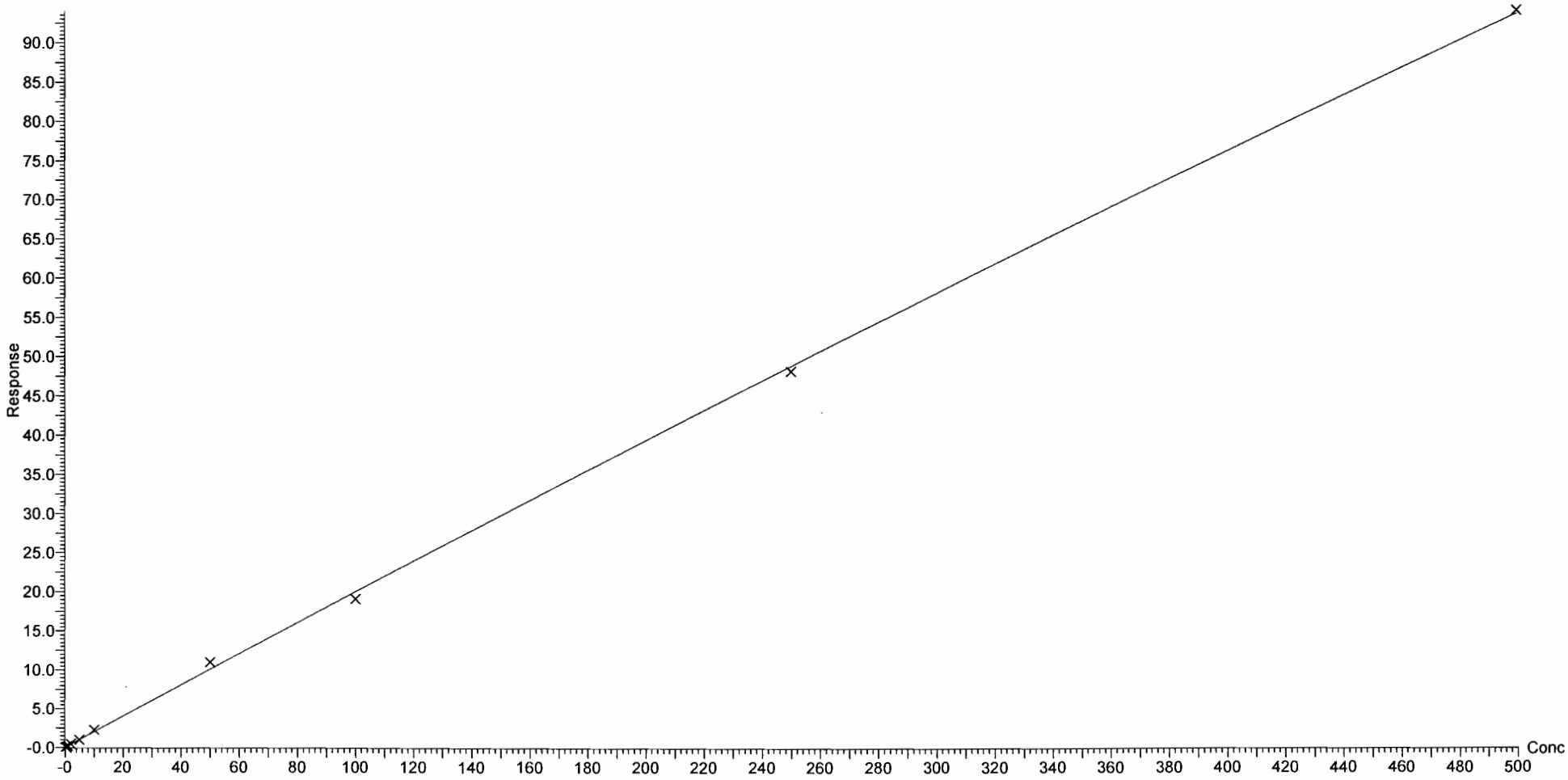
Compound name: L-PFOA
Correlation coefficient: r = 0.999744, r^2 = 0.999488
Calibration curve: 0.932678 * x + 0.14283
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

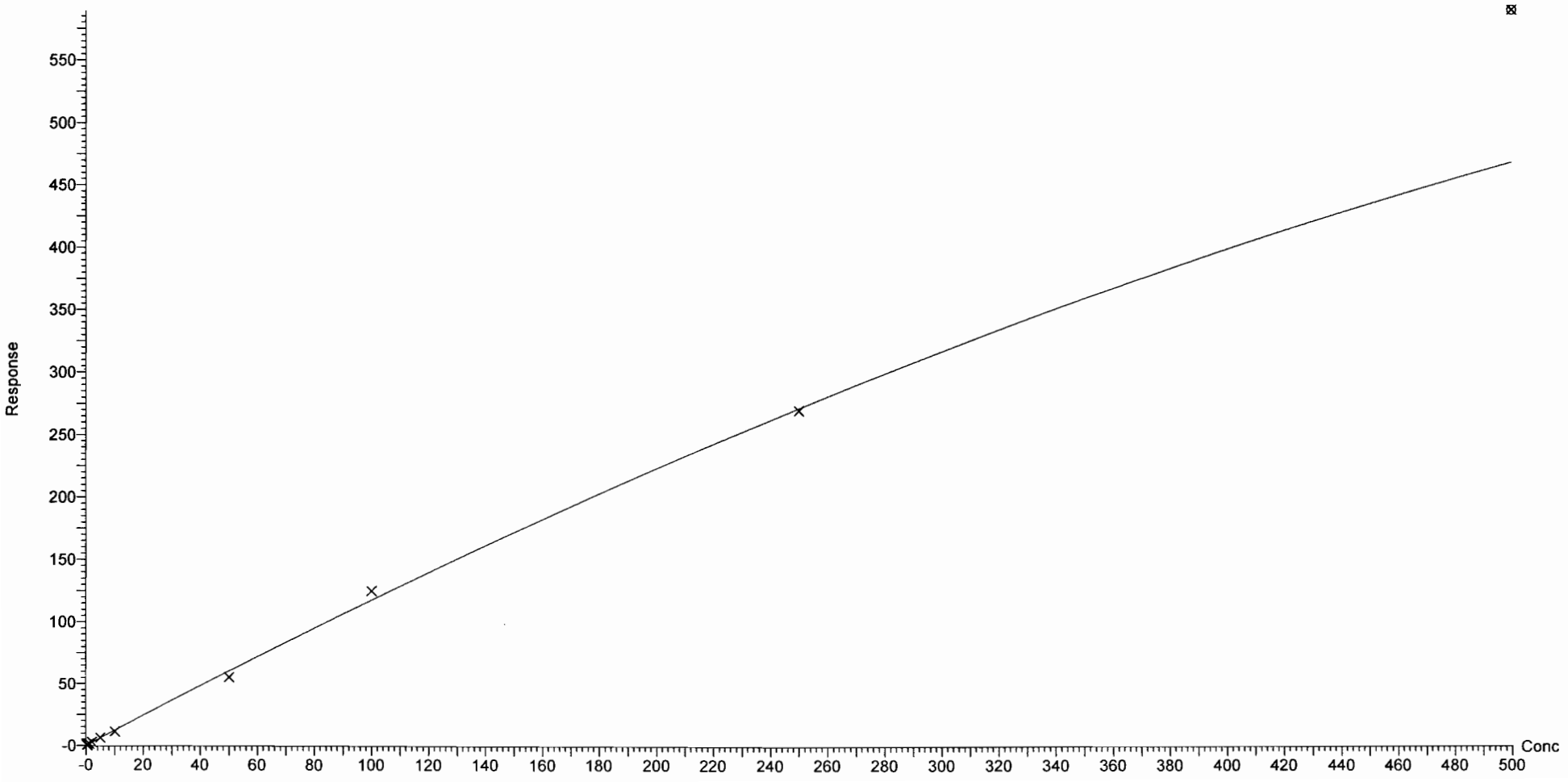
Compound name: PFHpS
Coefficient of Determination: R^2 = 0.998935
Calibration curve: -3.2816e-005 * x^2 + 0.203525 * x + 0.00908334
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

Compound name: PFNA
Coefficient of Determination: R^2 = 0.997496
Calibration curve: -0.000605072 * x^2 + 1.23754 * x + 0.0677452
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

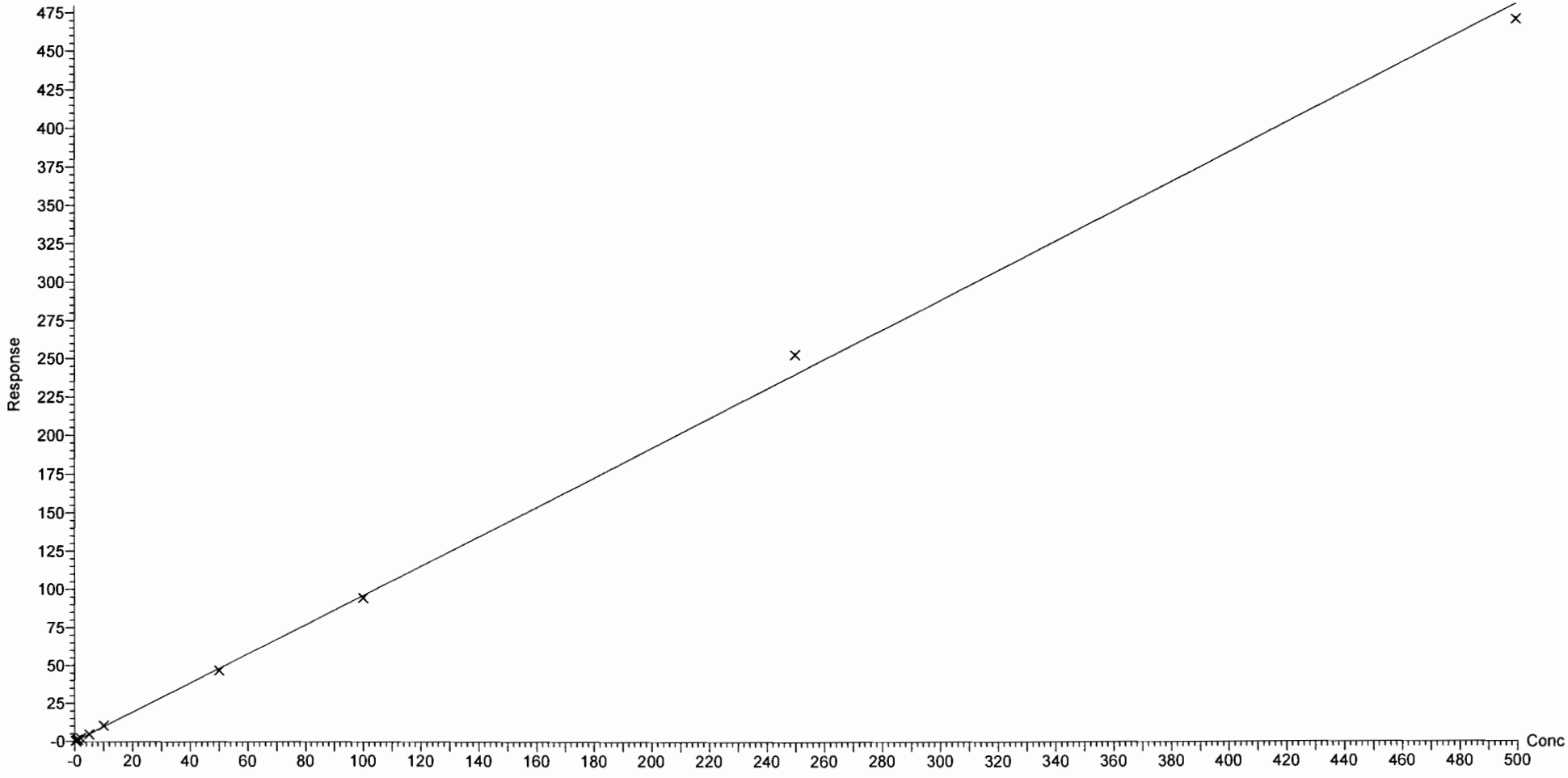


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

Compound name: PFOSA
Correlation coefficient: r = 0.999375, r^2 = 0.998750
Calibration curve: 0.959008 * x + 0.112581
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

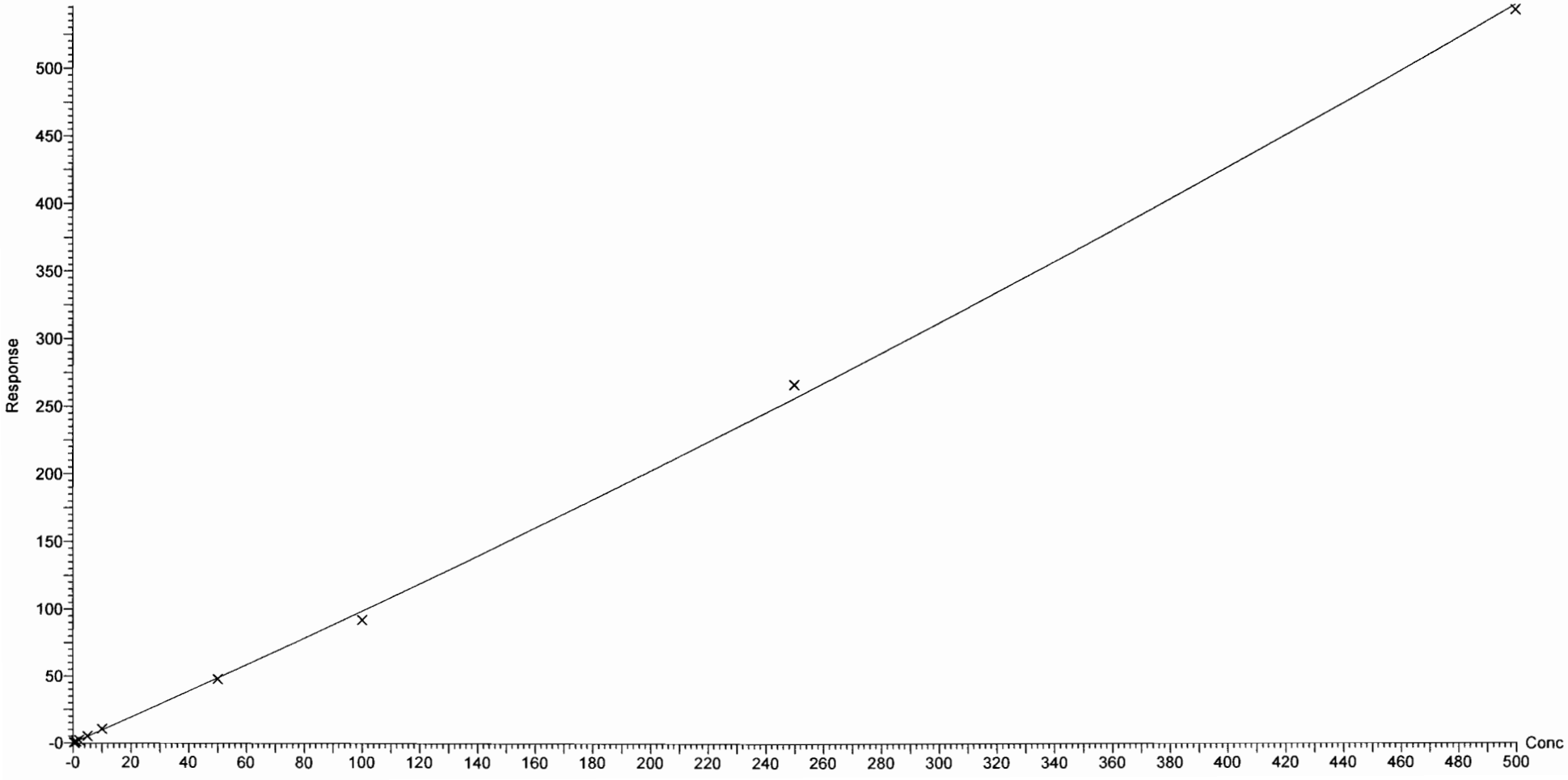


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.999008
Calibration curve: 0.00026453 * x^2 + 0.959054 * x + -0.0133677
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

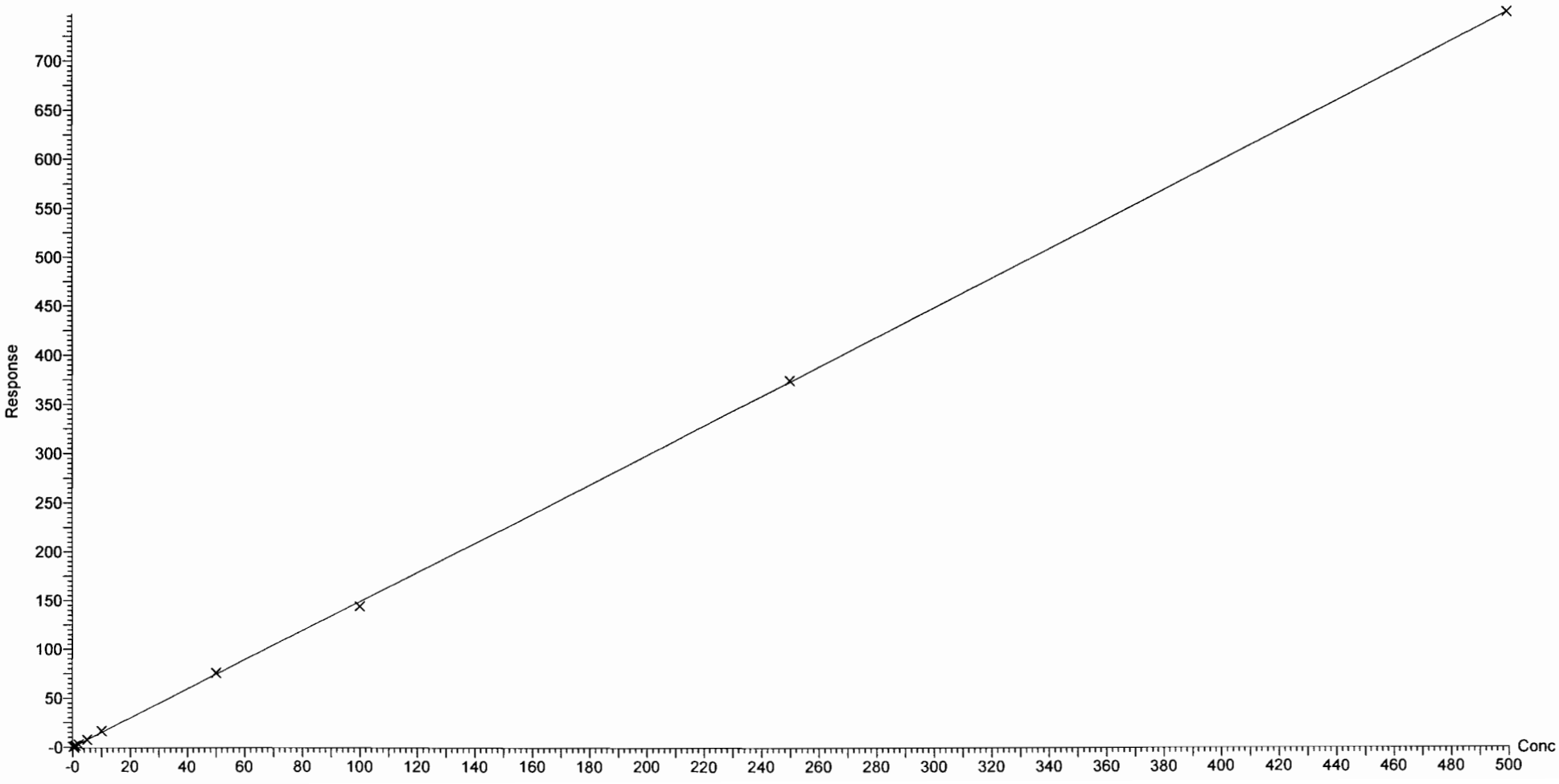


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

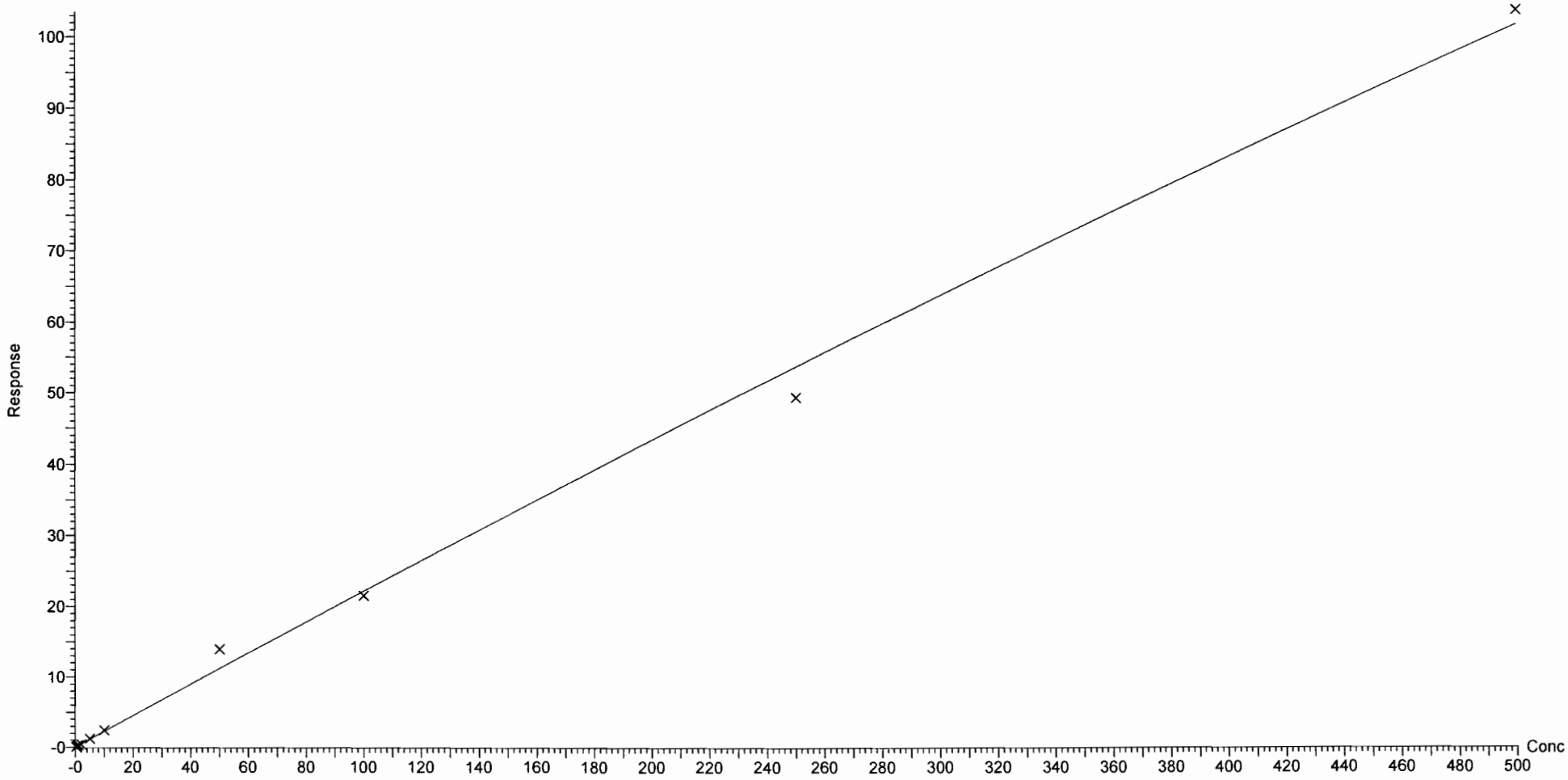
Compound name: PFDA
Coefficient of Determination: R^2 = 0.999739
Calibration curve: 1.48712e-005 * x^2 + 1.48665 * x + 0.0542737
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

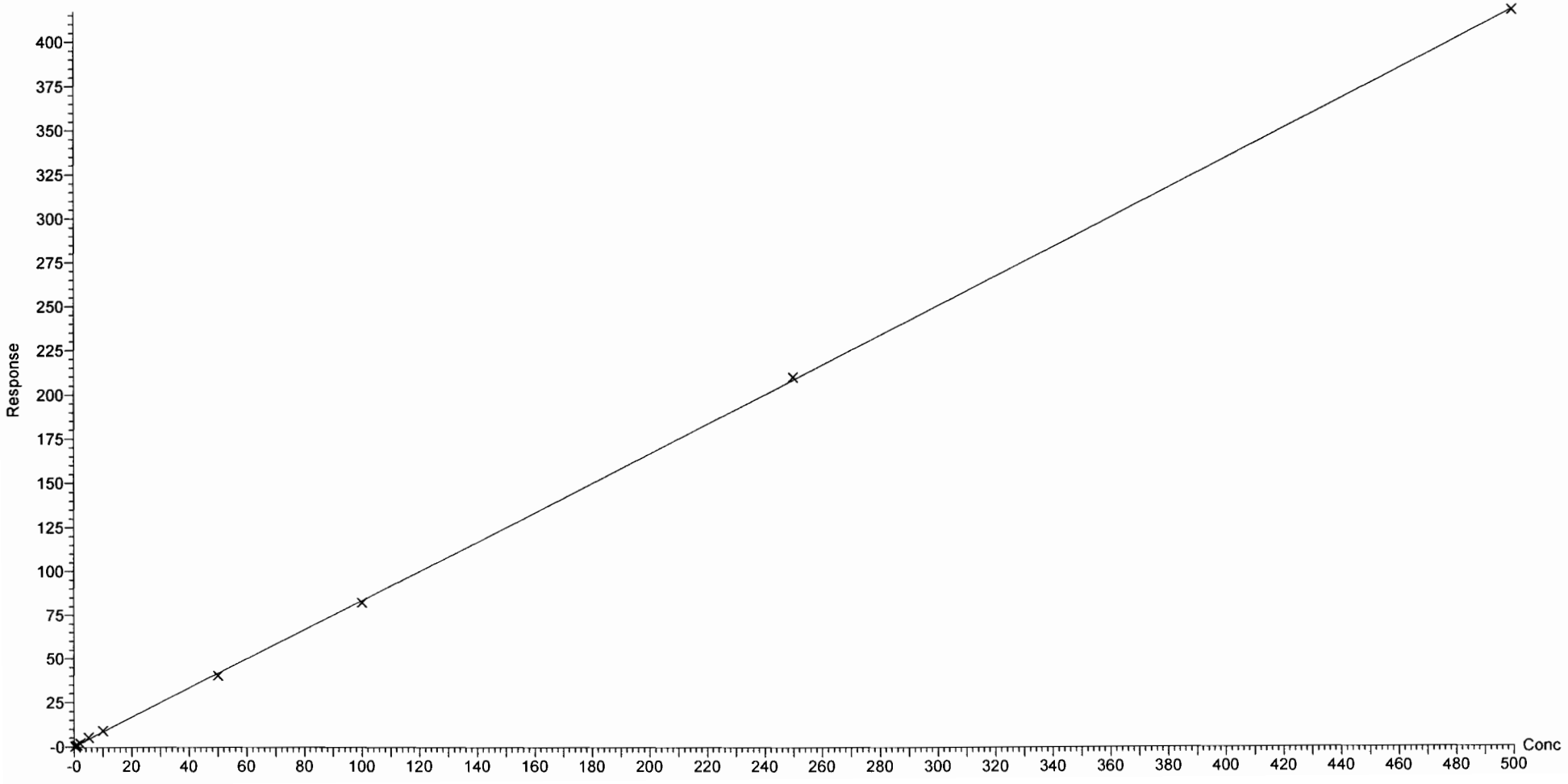
Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.993830
Calibration curve: -4.65117e-005 * x^2 + 0.226122 * x + 0.0184554
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

Compound name: PFNS
Coefficient of Determination: R^2 = 0.999465
Calibration curve: 5.21027e-006 * x^2 + 0.831381 * x + 0.0528802
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

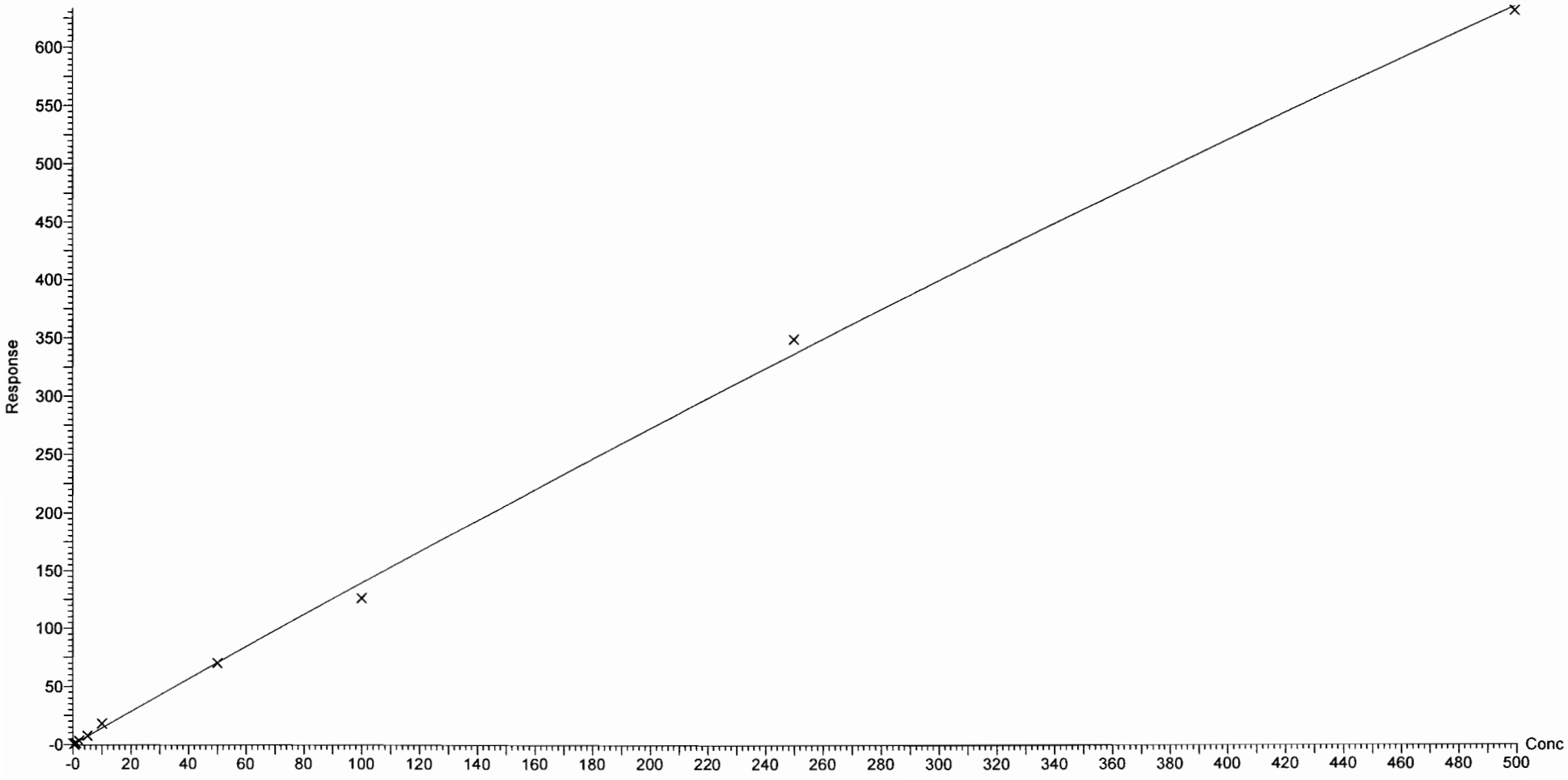


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

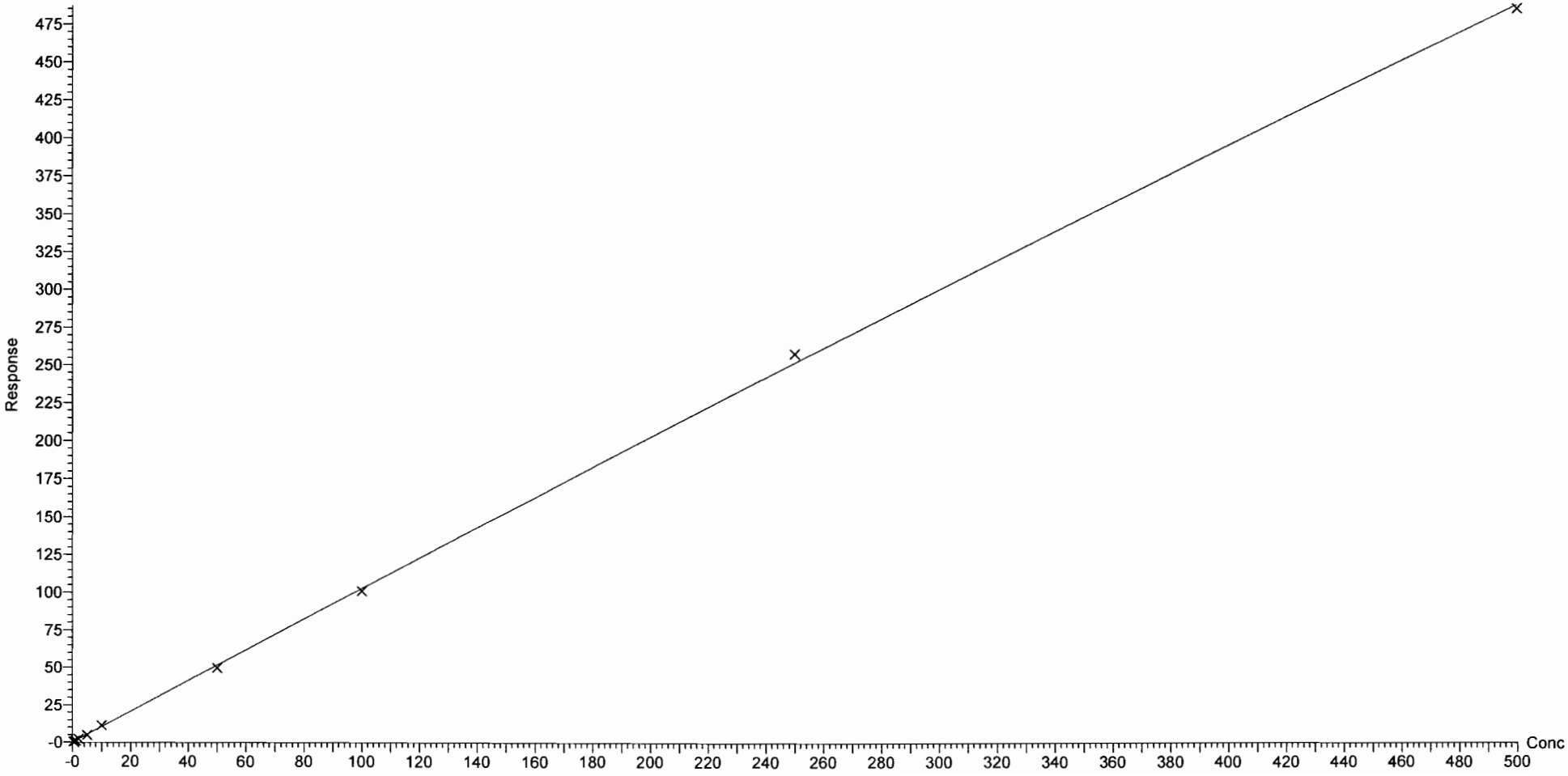
Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.997386
Calibration curve: -0.000318065 * x^2 + 1.42542 * x + 0.0292303
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

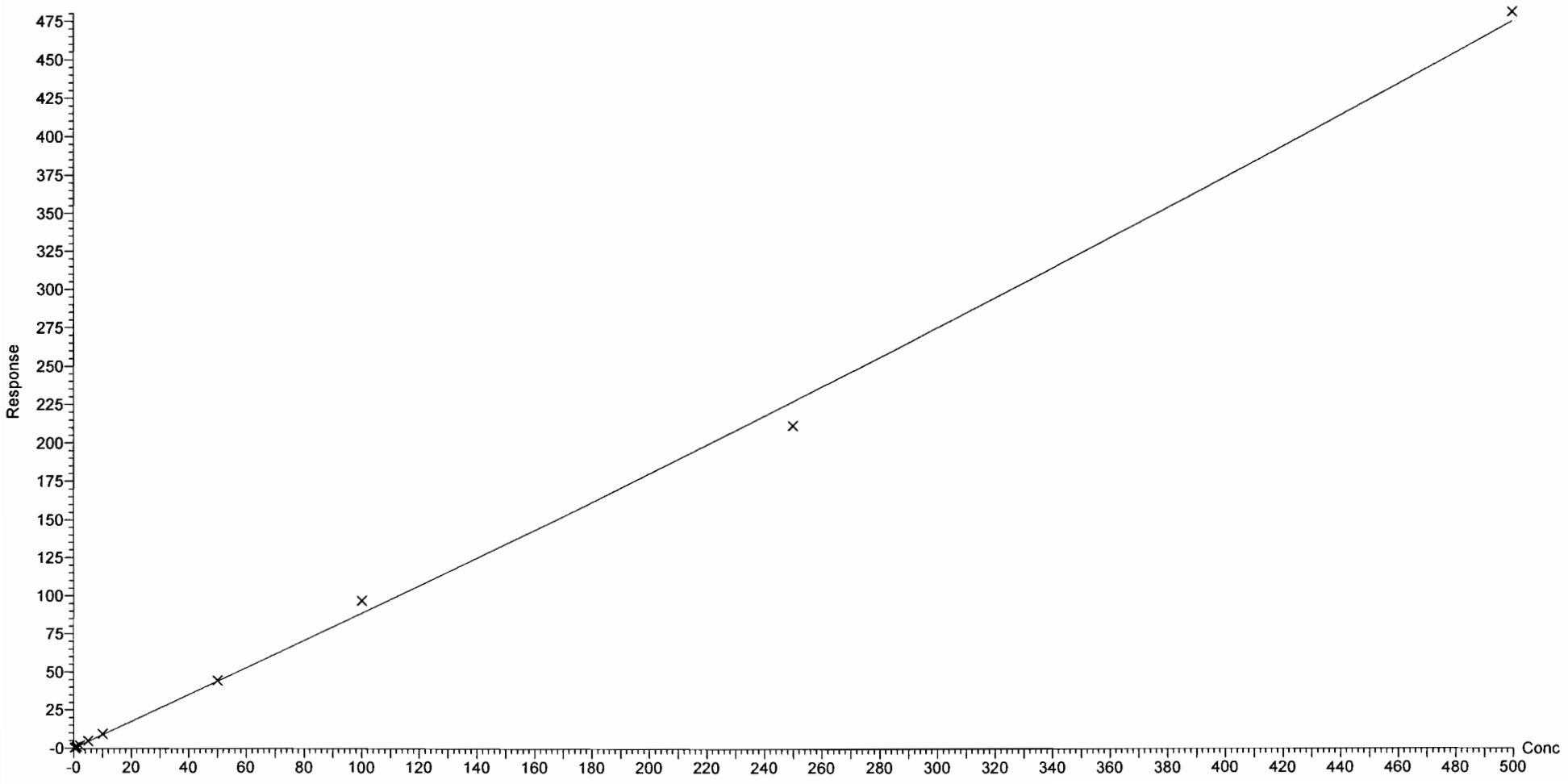
Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.999451
Calibration curve: -0.000130894 * x^2 + 1.03929 * x + 0.00668807
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

Compound name: PFUdA
Coefficient of Determination: R^2 = 0.997707
Calibration curve: 0.000159522 * x^2 + 0.868175 * x + 0.113342
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

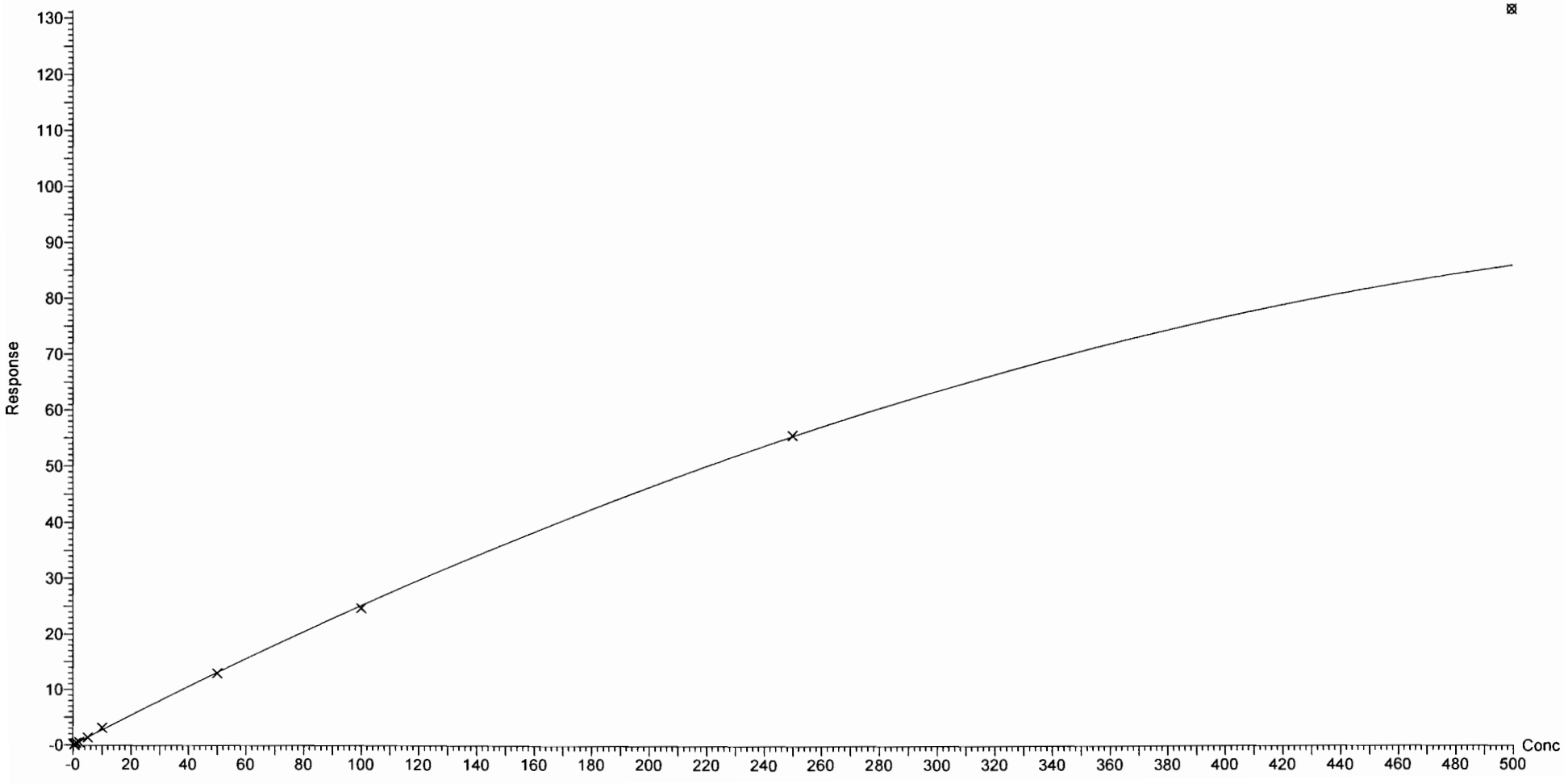


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

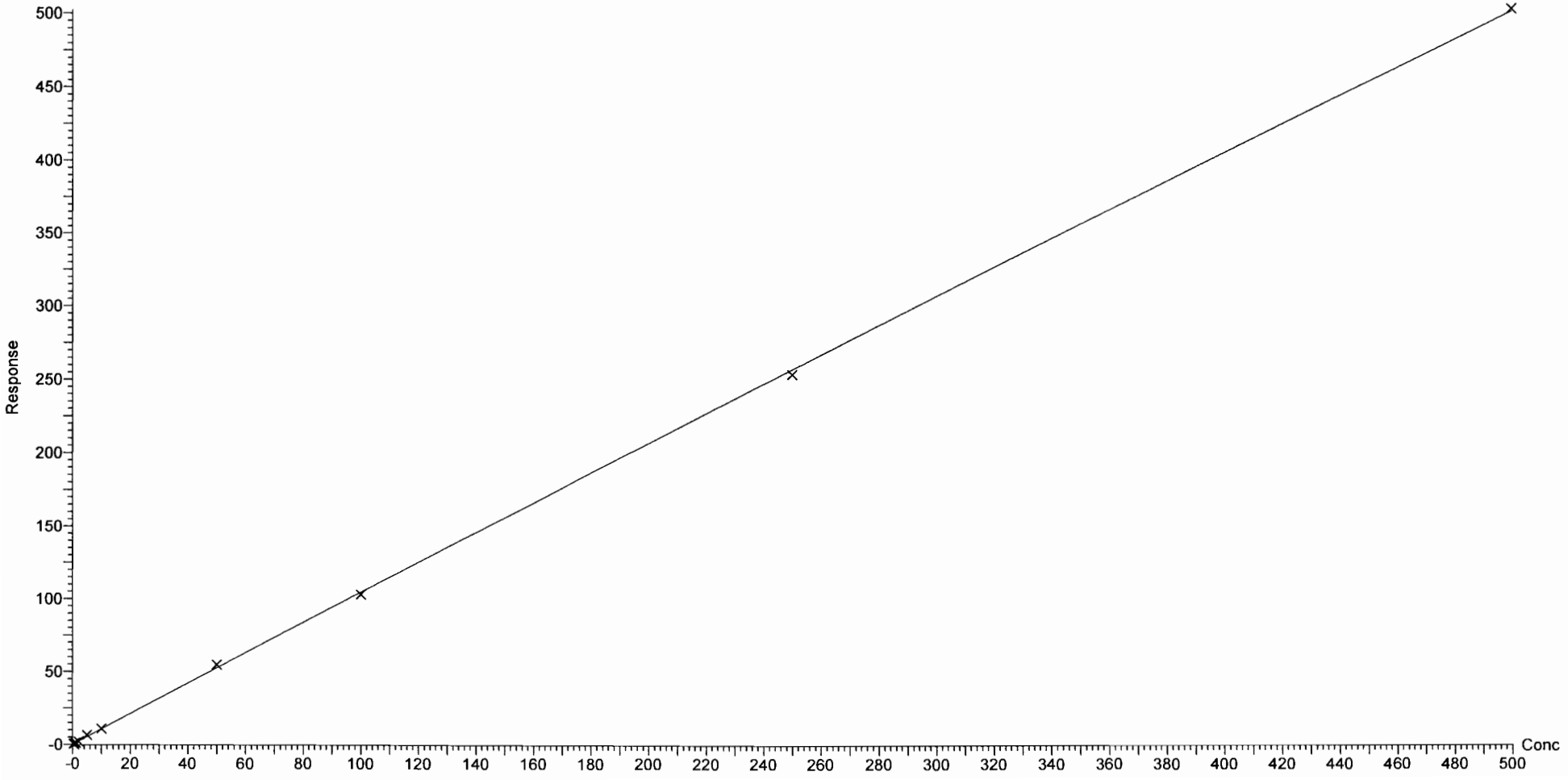
Compound name: PFDS
Coefficient of Determination: R^2 = 0.998894
Calibration curve: -0.000201026 * x^2 + 0.271911 * x + 0.00376494
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

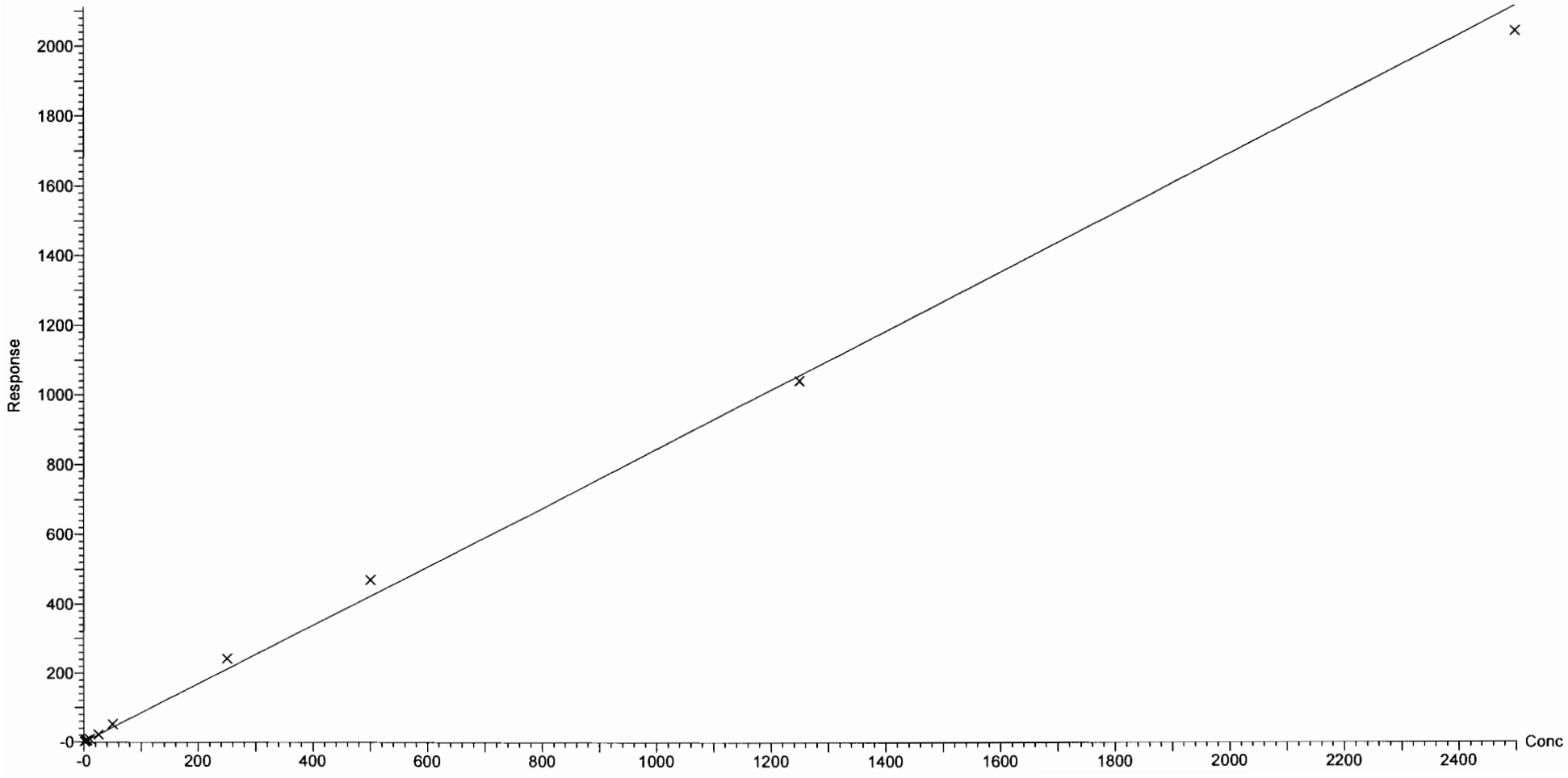
Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999549
Calibration curve: -0.00011004 * x^2 + 1.05563 * x + 0.0799451
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

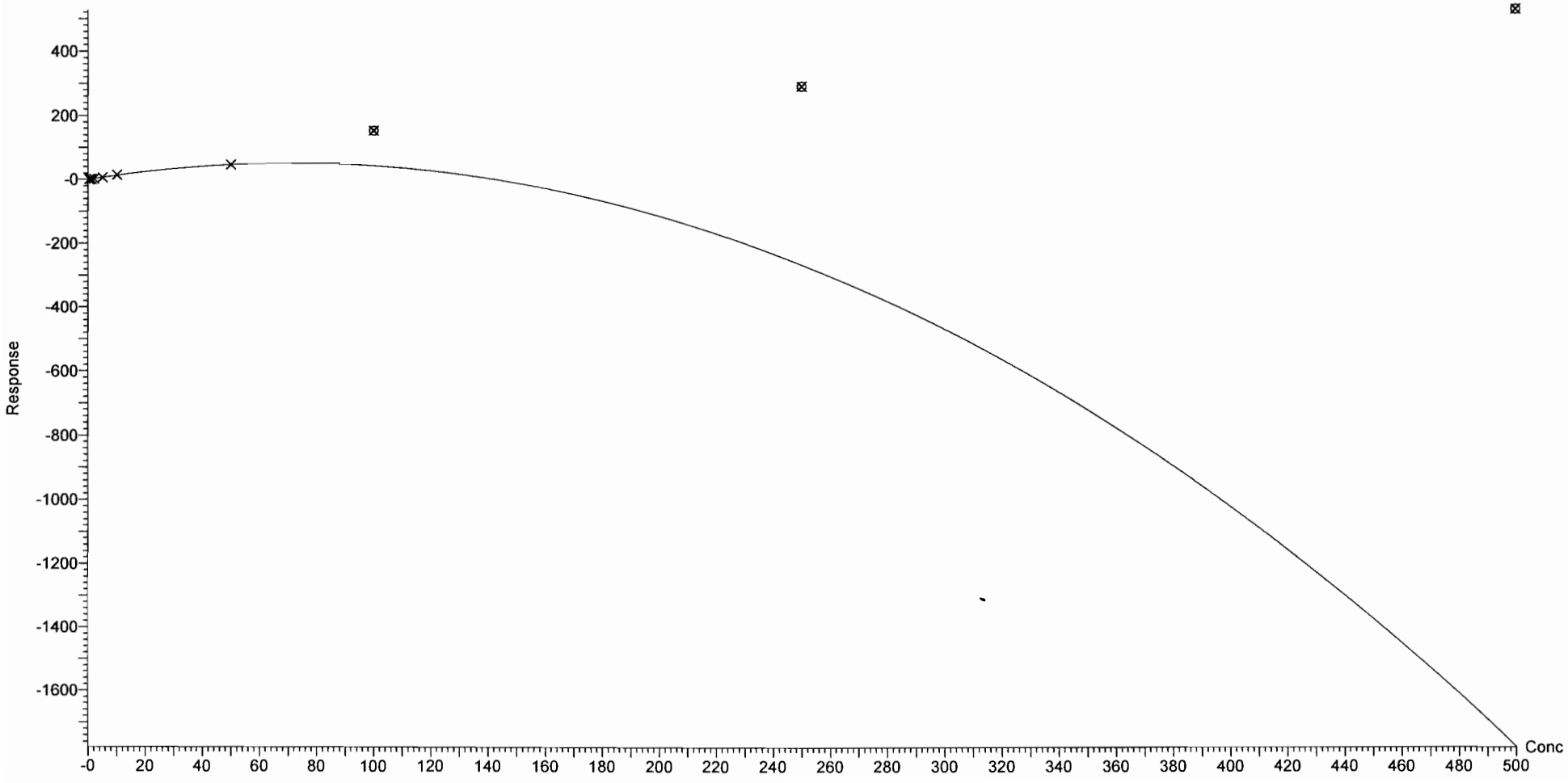
Compound name: N-MeFOSA
Correlation coefficient: r = 0.998136, r^2 = 0.996275
Calibration curve: 0.844282 * x + 0.385206
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

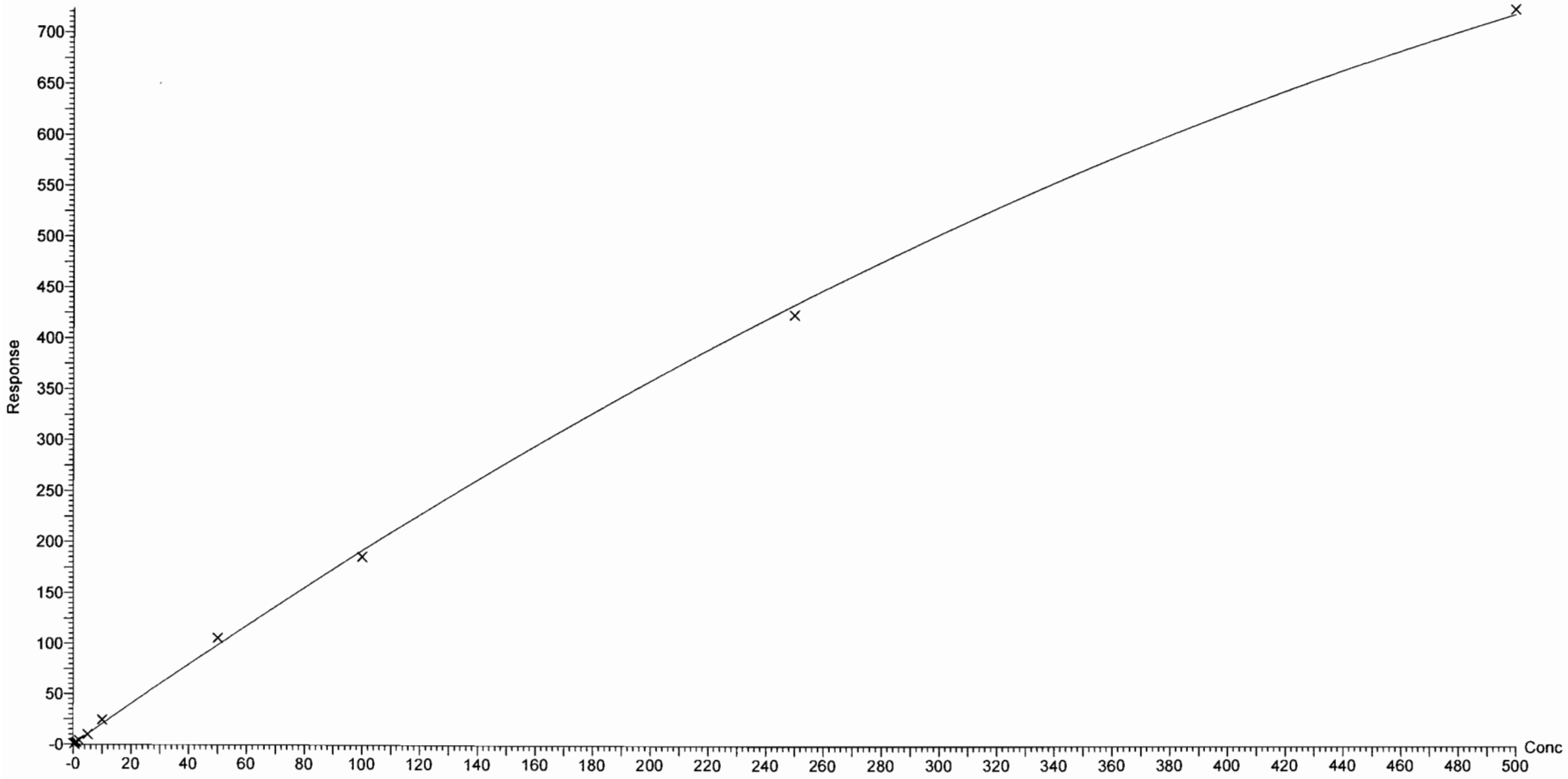
Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.993021
Calibration curve: -0.00996087 * x^2 + 1.43109 * x + -0.0772072
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

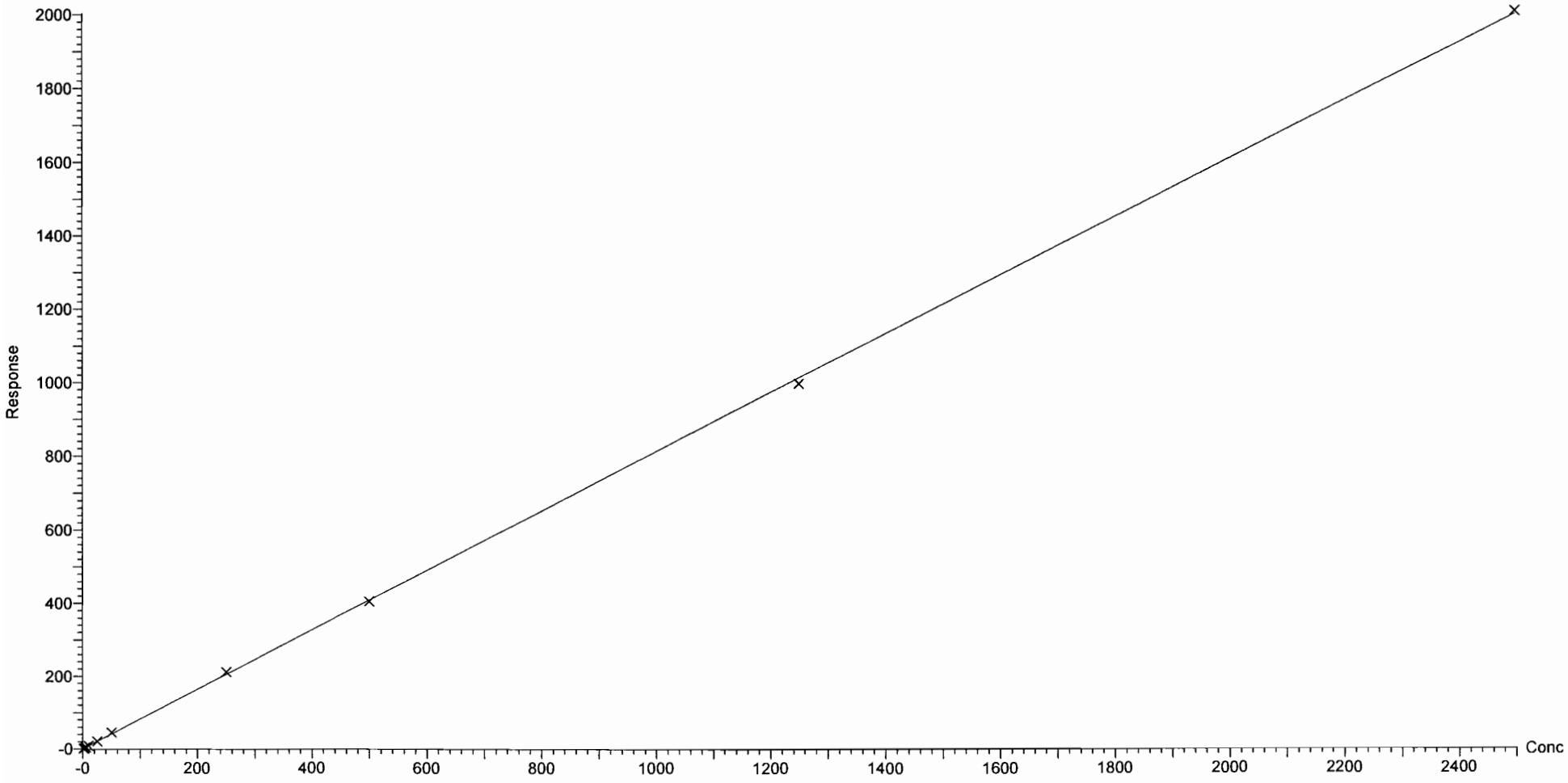
Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.998549
Calibration curve: -0.00119561 * x^2 + 2.03279 * x + 0.211977
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

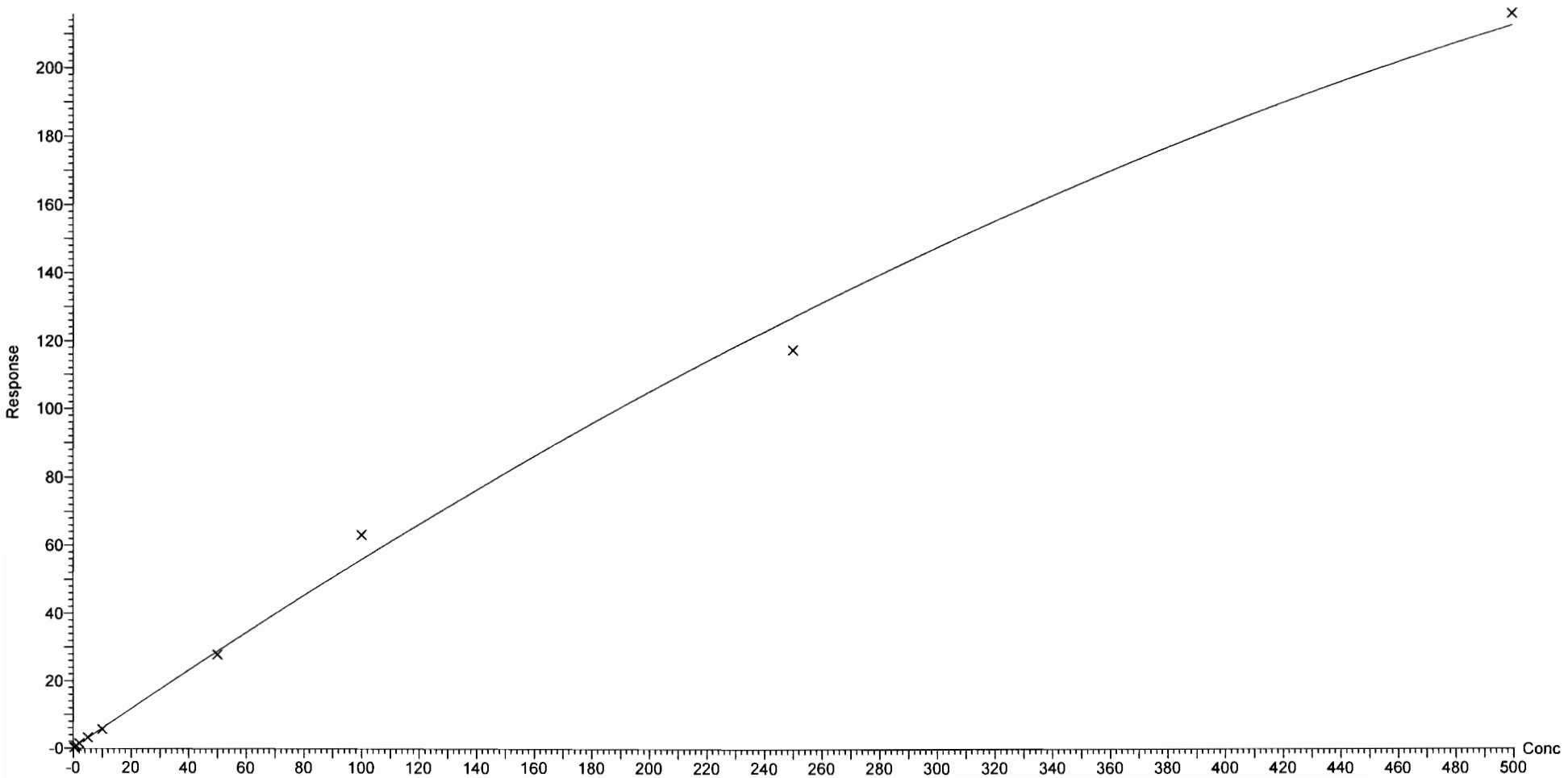
Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999713
Calibration curve: -9.69338e-006 * x^2 + 0.822501 * x + 0.136285
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

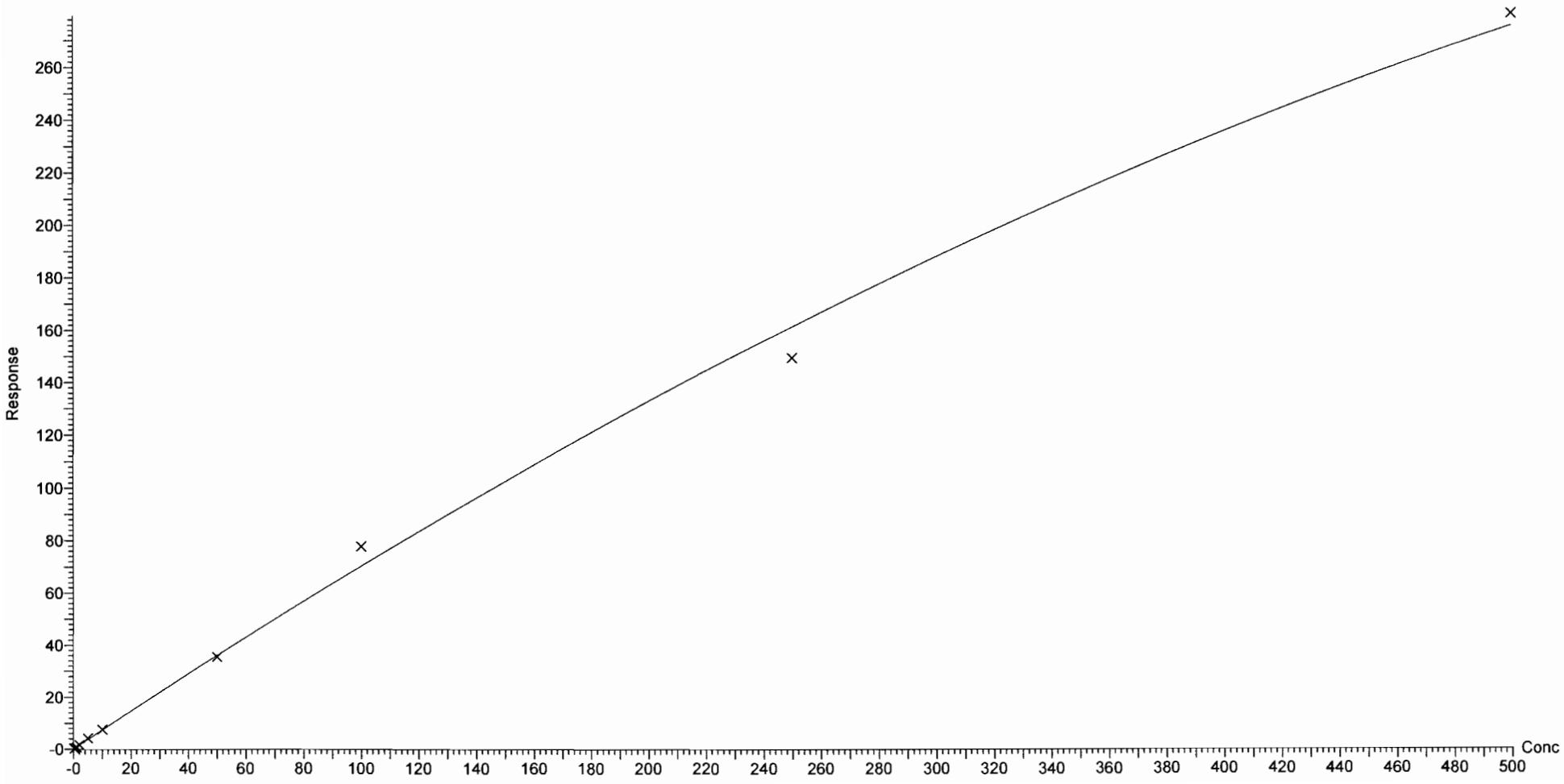
Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.995274
Calibration curve: -0.000335759 * x^2 + 0.591994 * x + 0.0884861
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

Compound name: PFODA
Coefficient of Determination: R^2 = 0.996311
Calibration curve: -0.000382228 * x^2 + 0.740794 * x + 0.0260949
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

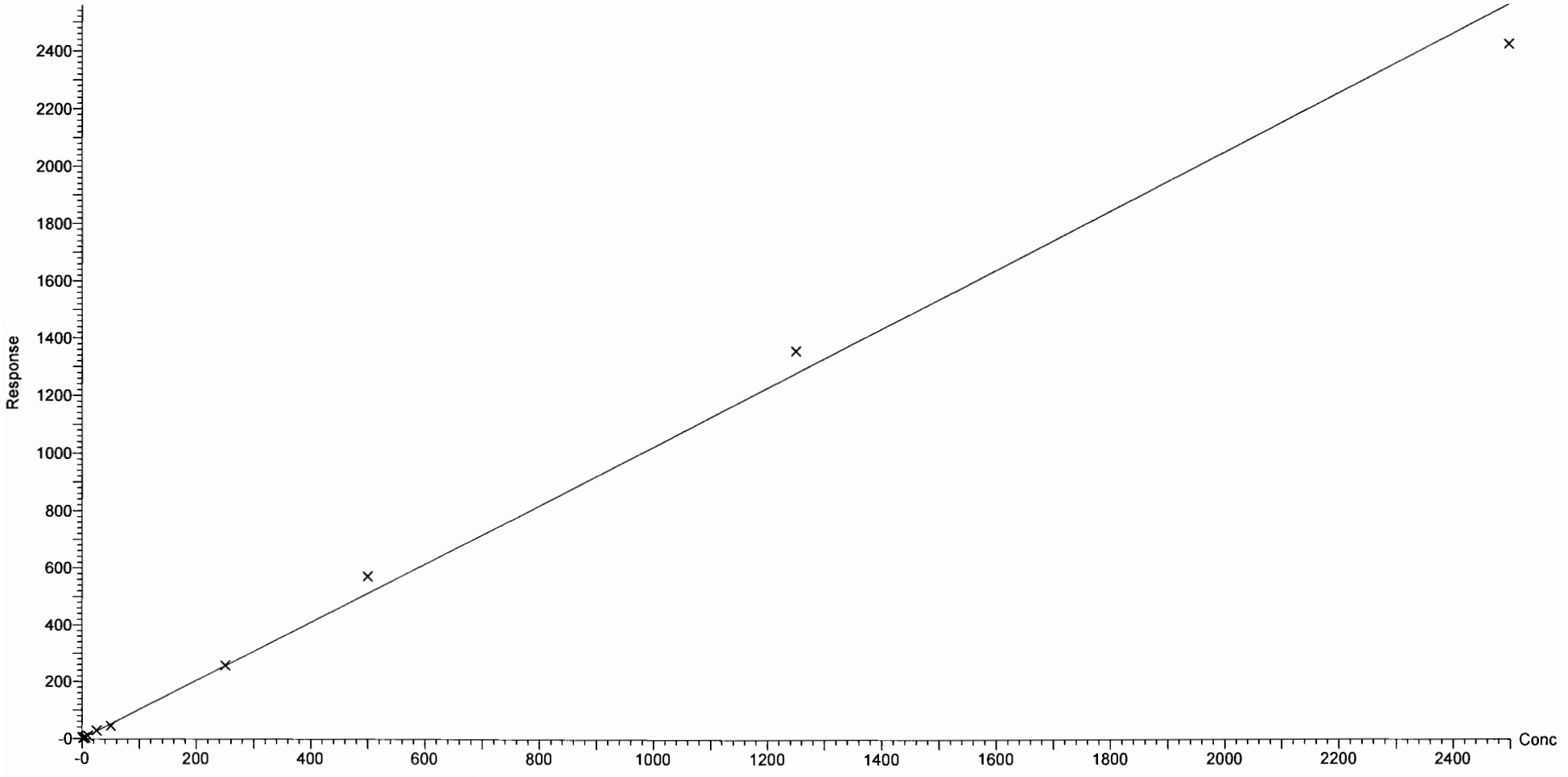


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

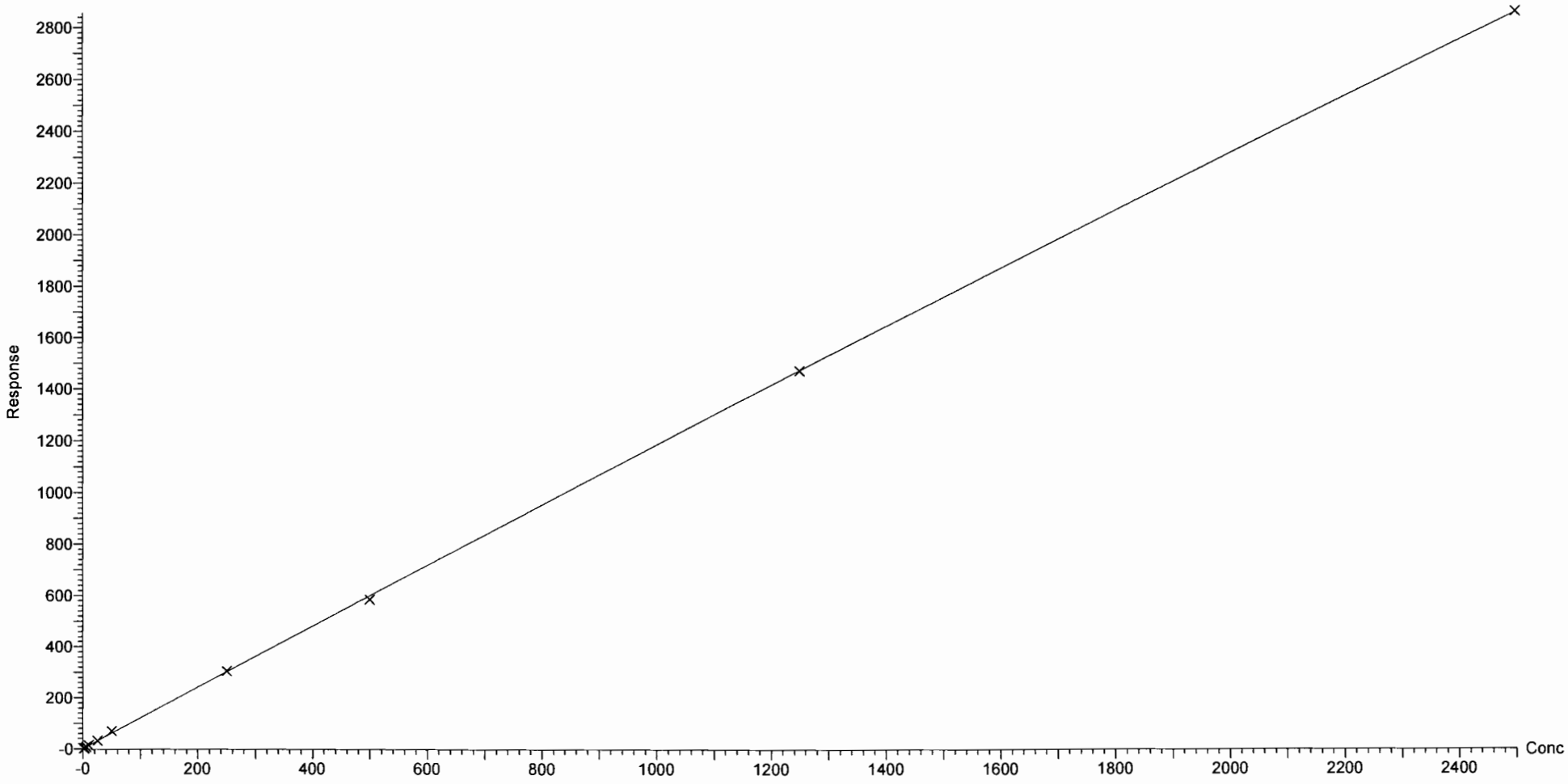
Compound name: N-MeFOSE
Correlation coefficient: r = 0.997778, r^2 = 0.995562
Calibration curve: 1.02304 * x + 0.0939698
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:20:16 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:20:36 Pacific Standard Time

Compound name: N-EtFOSE
Coefficient of Determination: R^2 = 0.999564
Calibration curve: -2.88587e-005 * x^2 + 1.21265 * x + 0.607923
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



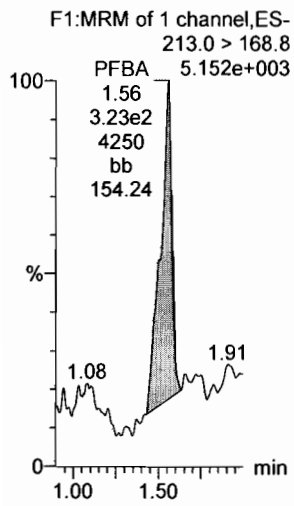
Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

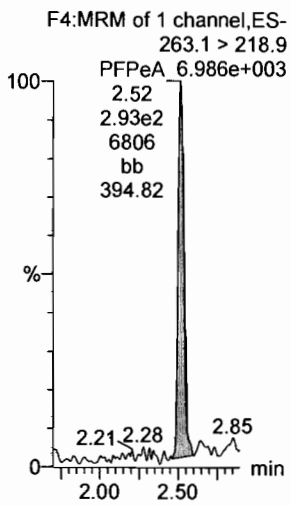
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:15:07

Name: 180227M1_2, Date: 27-Feb-2018, Time: 19:30:40, ID: ST180227M1-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

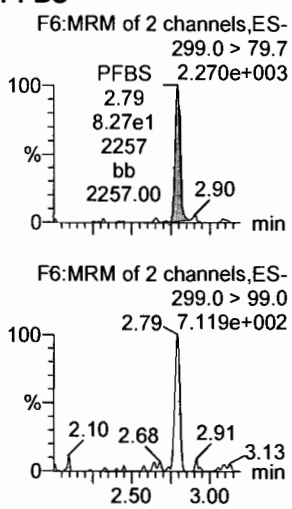
PFBA



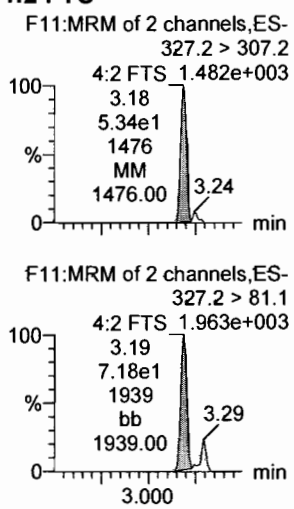
PFPeA



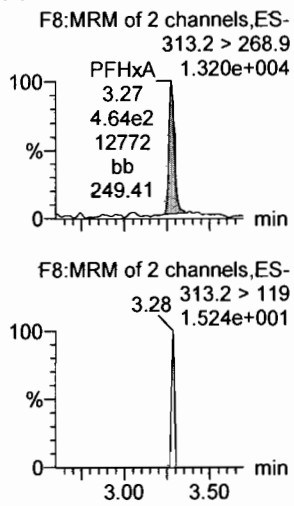
PFBS



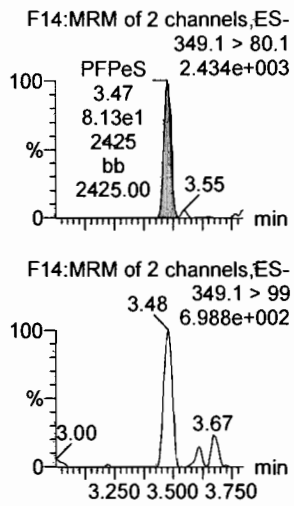
4:2 FTS



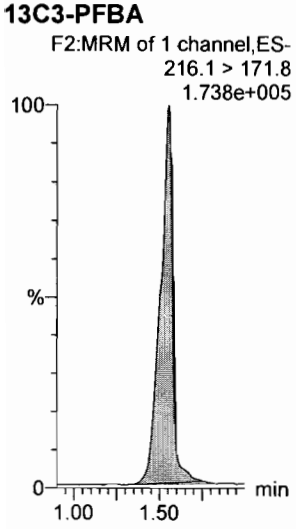
PFHxA



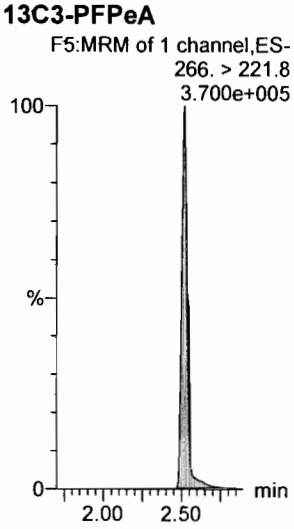
PFPeS



13C3-PFBA



13C3-PFPeA



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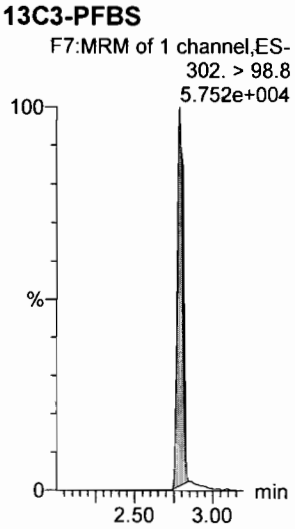

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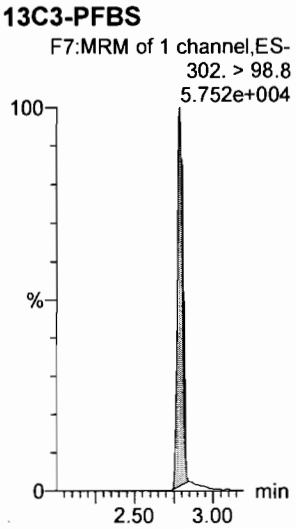

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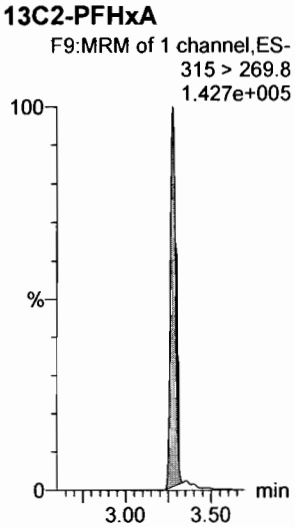

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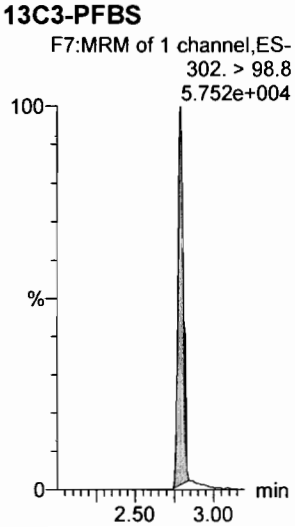

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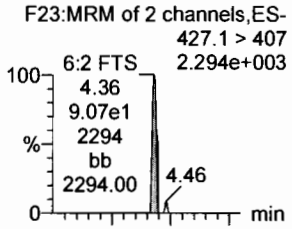
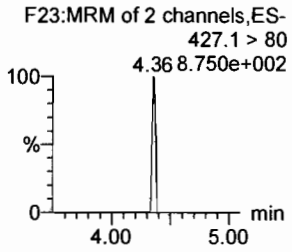
Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_2, Date: 27-Feb-2018, Time: 19:30:40, ID: ST180227M1-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

6:2 FTS





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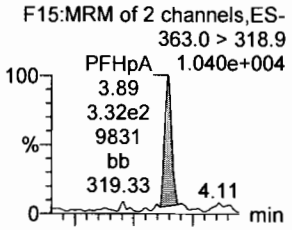

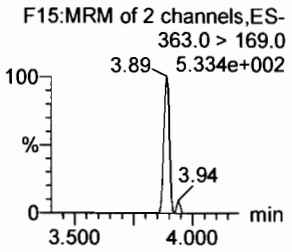

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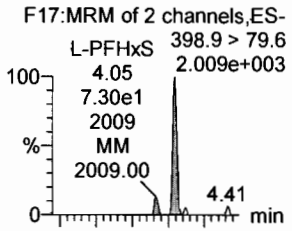
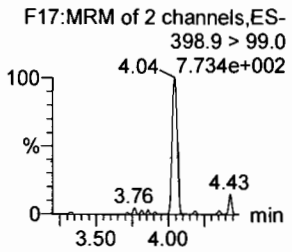
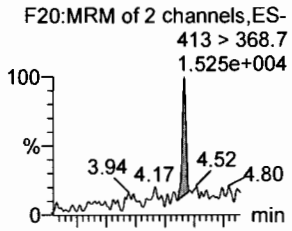
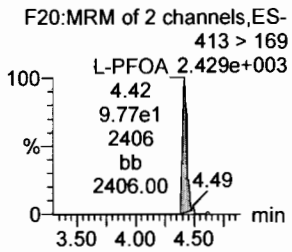




L-PFOA





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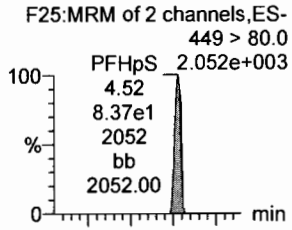

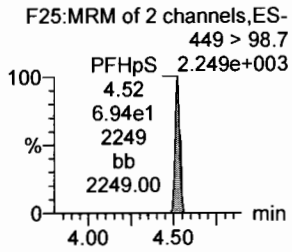

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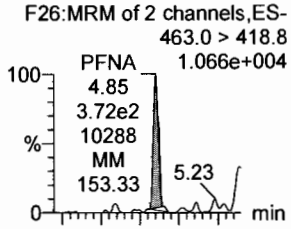
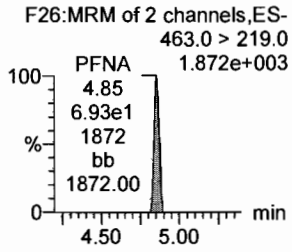
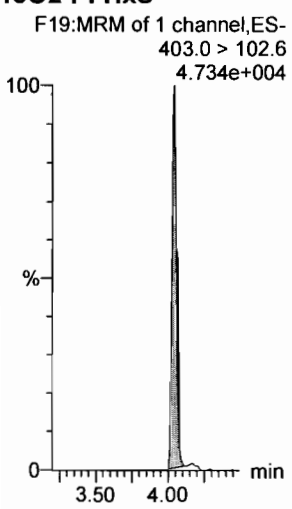
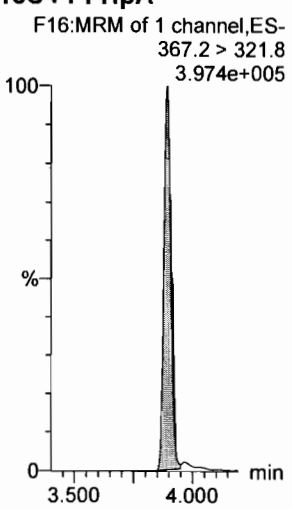




18O2-PFHxS



13C4-PFHpA



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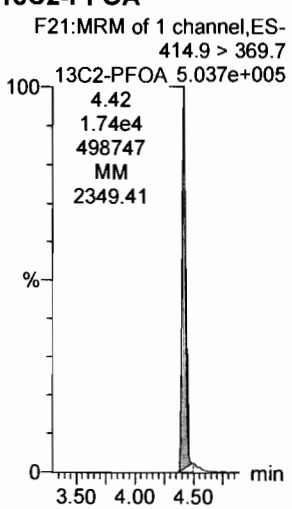

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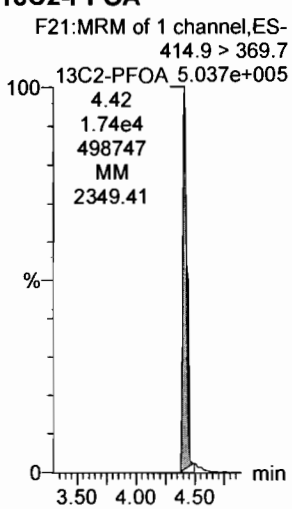

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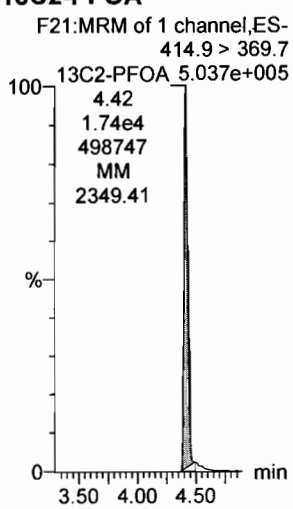

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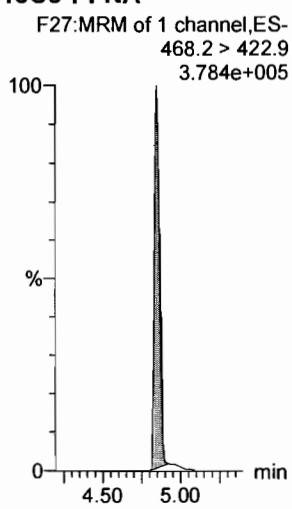

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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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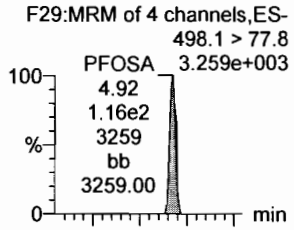
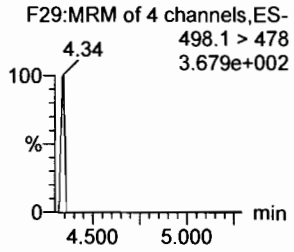
Name: 180227M1_2, Date: 27-Feb-2018, Time: 19:30:40, ID: ST180227M1-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

PFOSA





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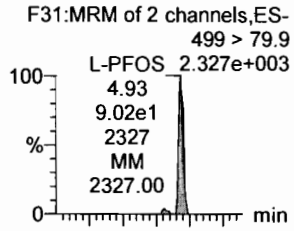

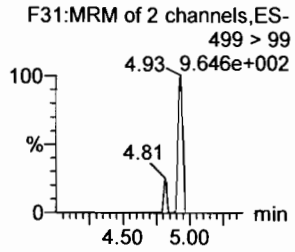

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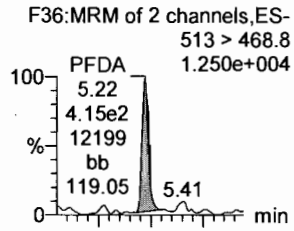
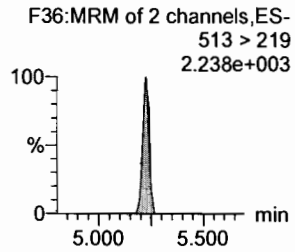
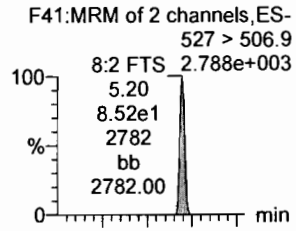
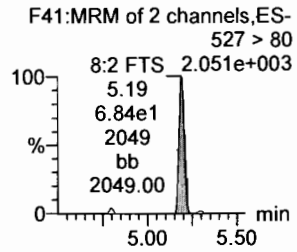


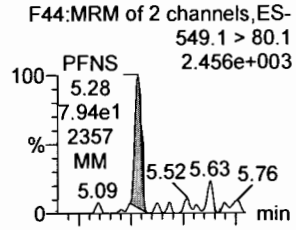


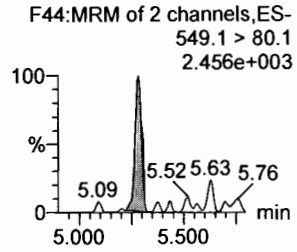
8:2 FTS





PFNS





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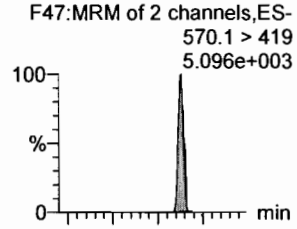

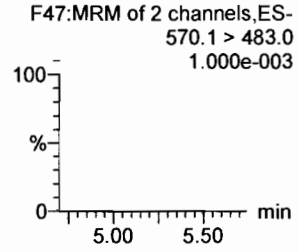

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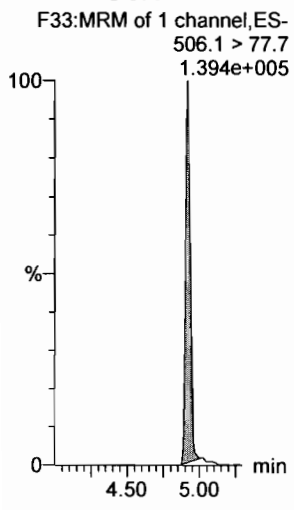

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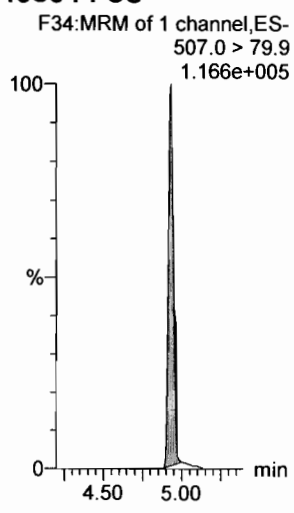

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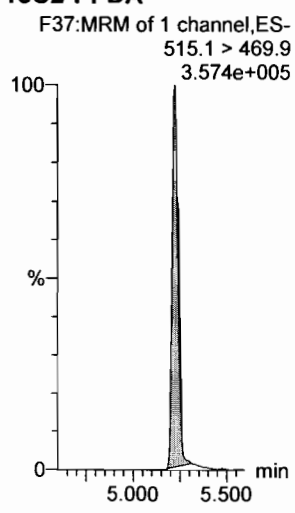

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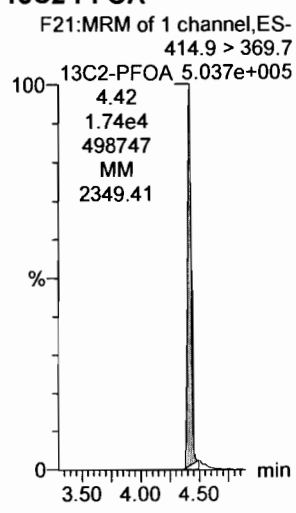

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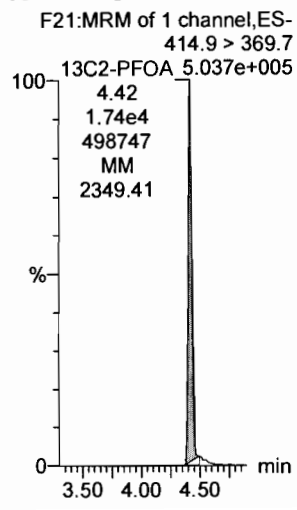

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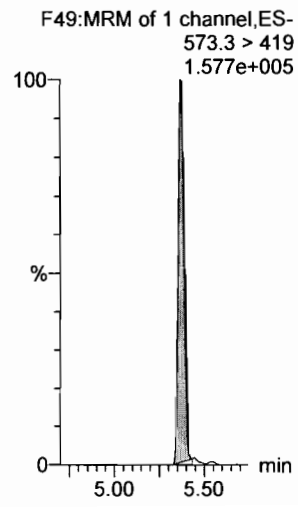

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Name: 180227M1_2, Date: 27-Feb-2018, Time: 19:30:40, ID: ST180227M1-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

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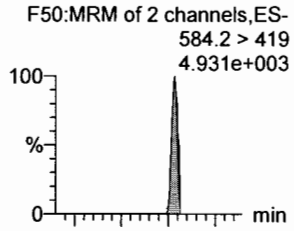

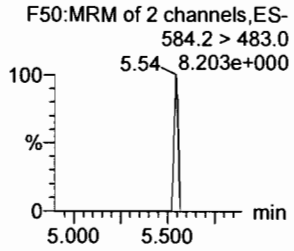

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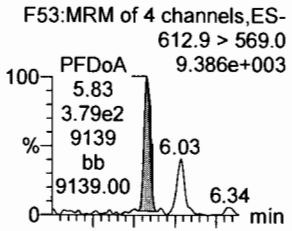

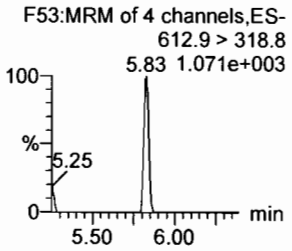

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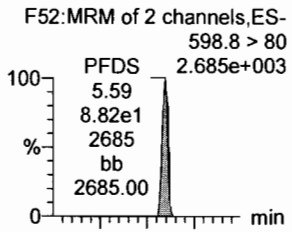

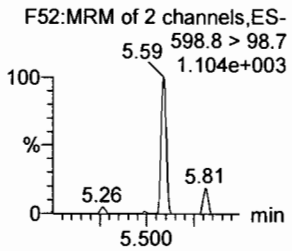

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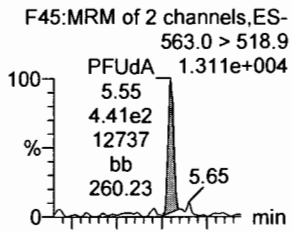

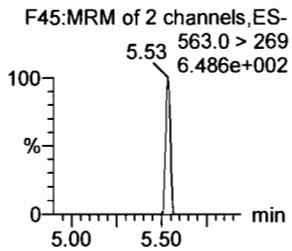

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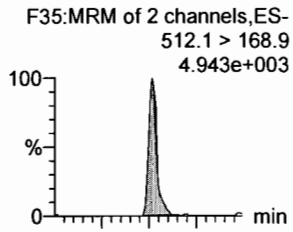

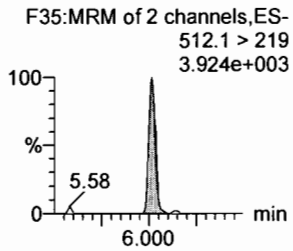

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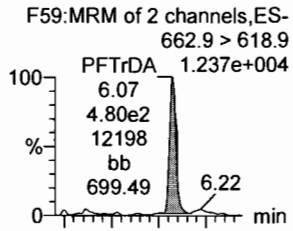

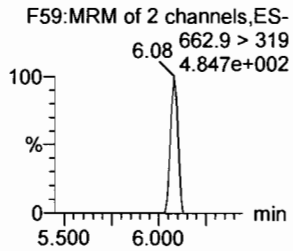

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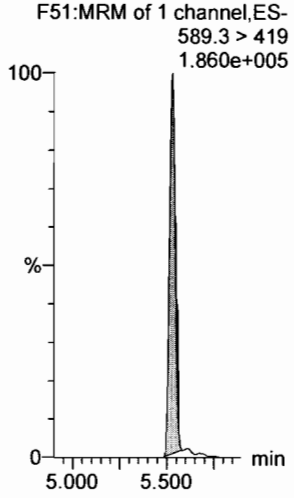
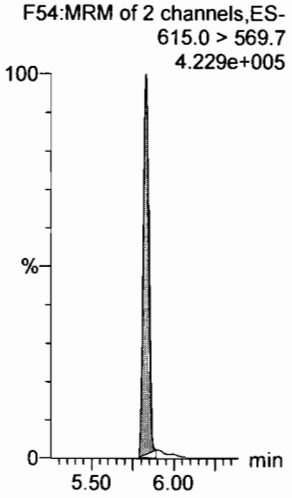
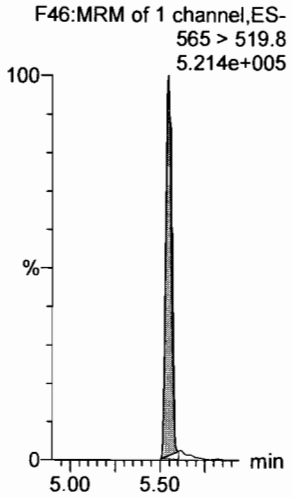


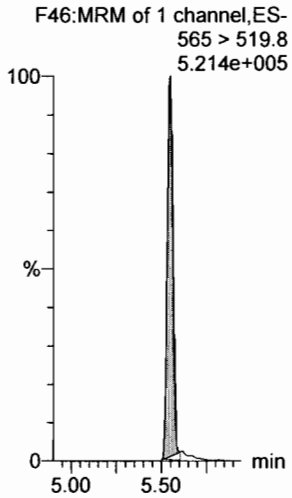
13C2-PFDoA



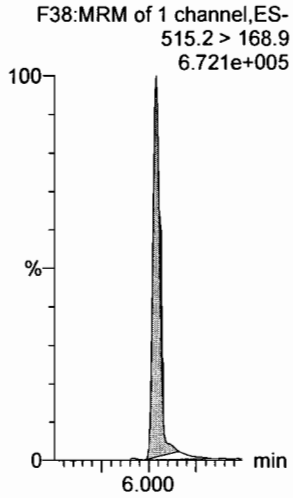
13C2-PFUdA



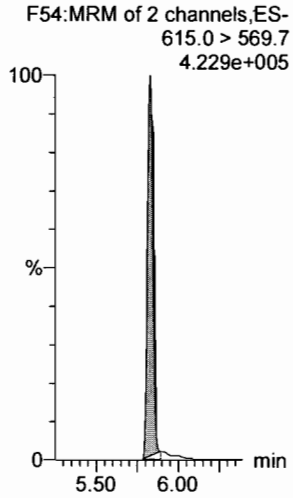
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



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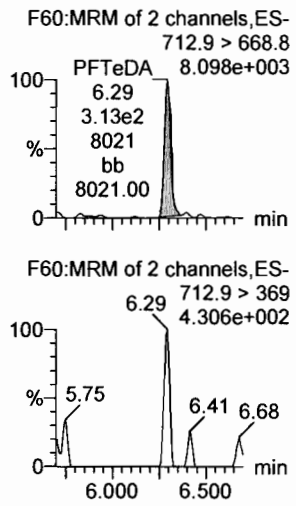
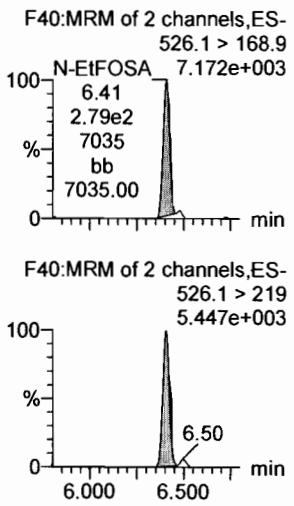
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_2, Date: 27-Feb-2018, Time: 19:30:40, ID: ST180227M1-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

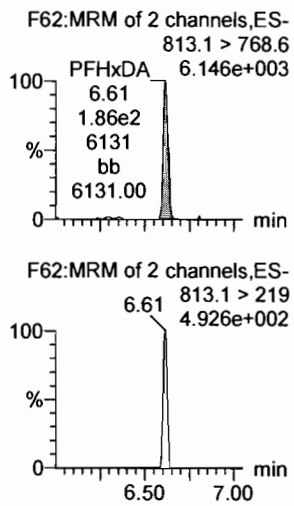
PFTeDA



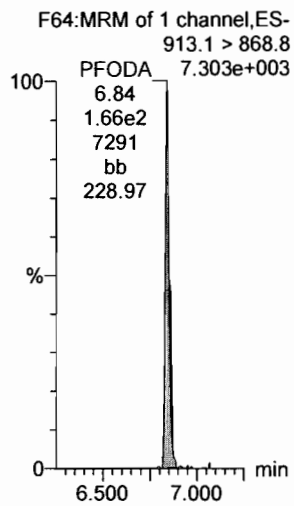
N-EtFOSA



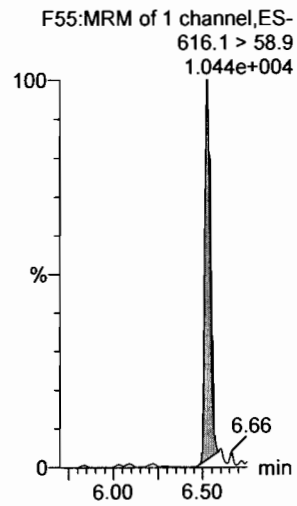
PFHxDA



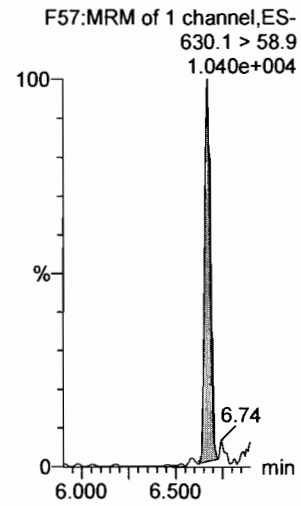
PFODA



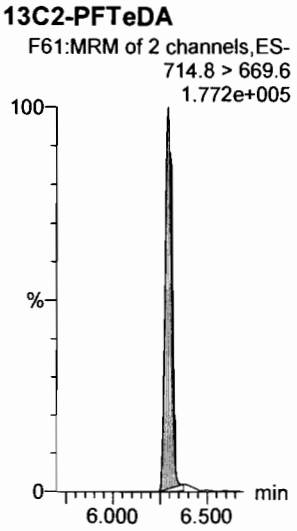
N-MeFOSE



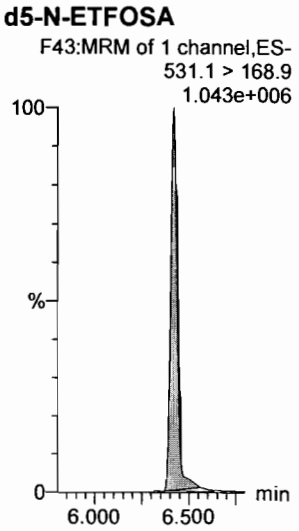
N-EtFOSE



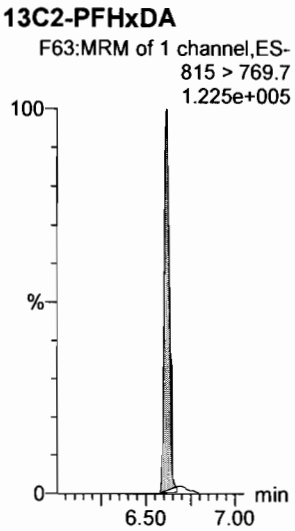
13C2-PFTeDA



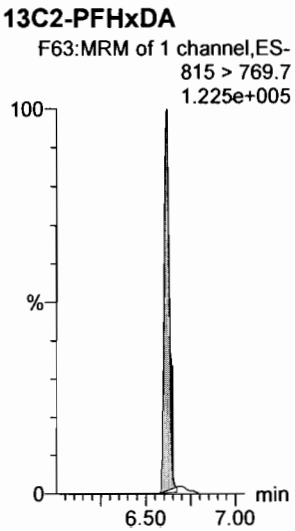
d5-N-ETFOSA



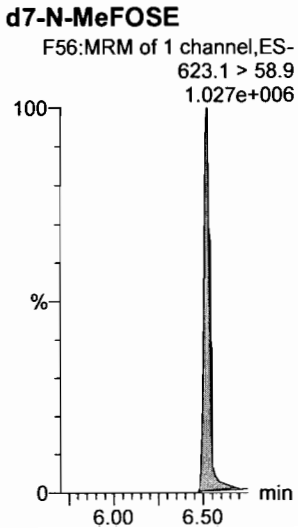
13C2-PFHxDA



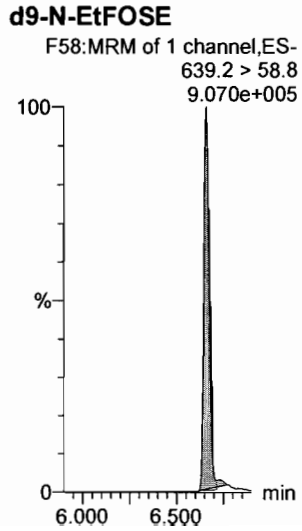
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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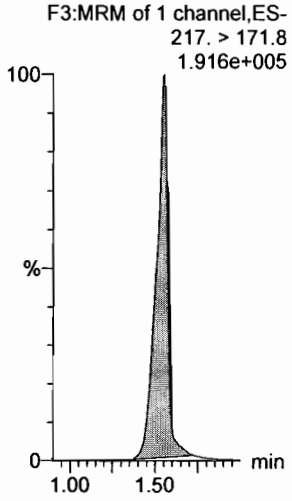
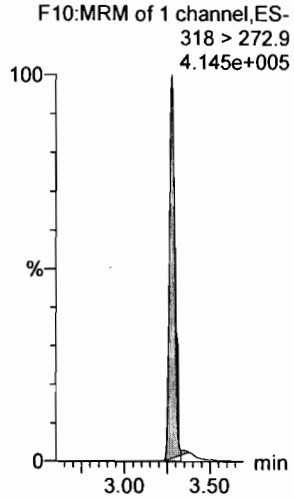
Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_2, Date: 27-Feb-2018, Time: 19:30:40, ID: ST180227M1-1 PFC CS-2 18B2312, Description: PFC CS-2 18B2312

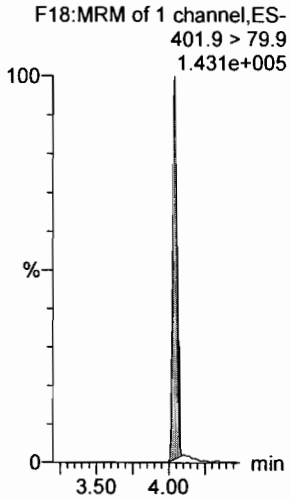
13C4-PFBA



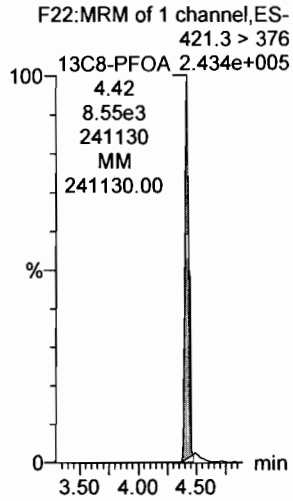
13C5-PFHxA



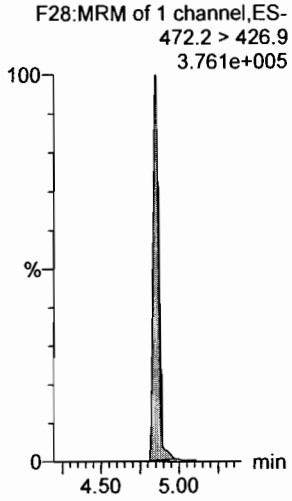
13C3-PFHxS



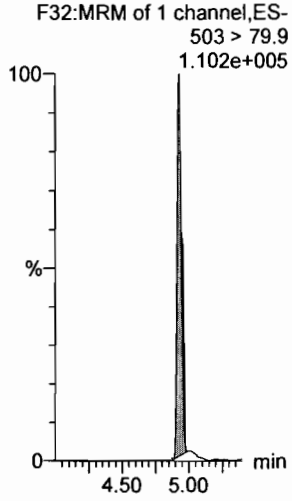
13C8-PFOA



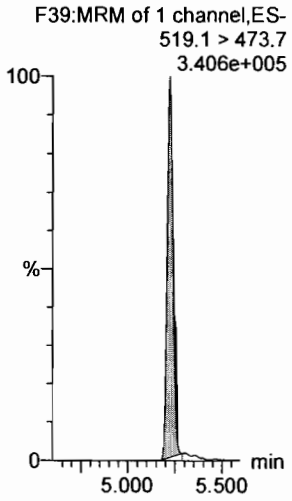
13C9-PFNA



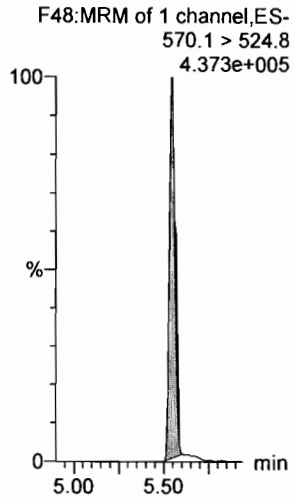
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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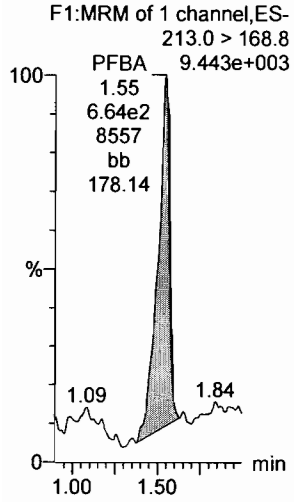
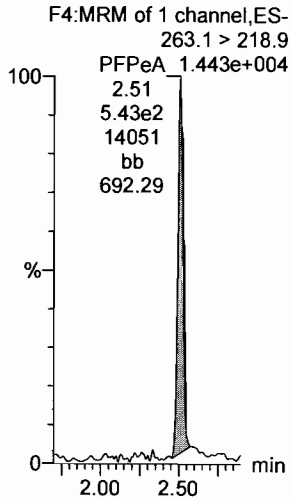
Name: 180227M1_3, Date: 27-Feb-2018, Time: 19:42:07, ID: ST180227M1-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

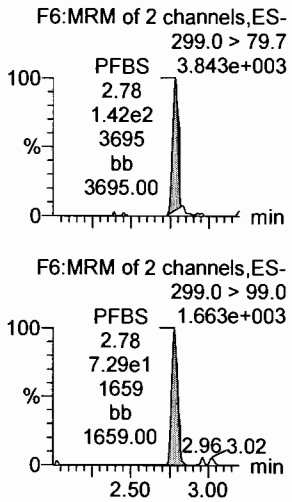
PFBA



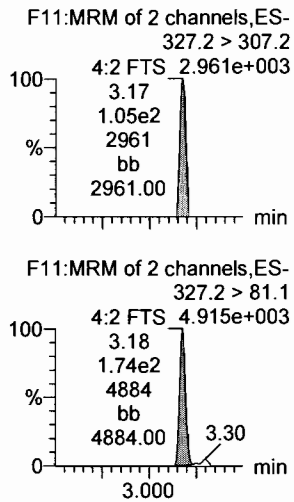
PFPeA



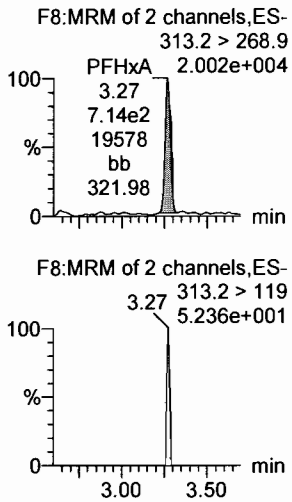
PFBS



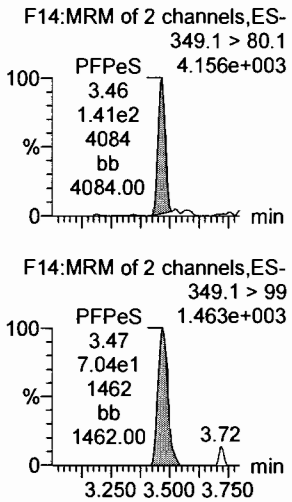
4:2 FTS



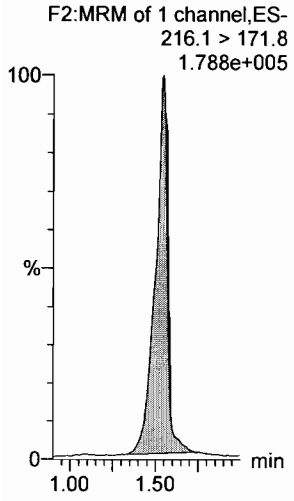
PFHxA



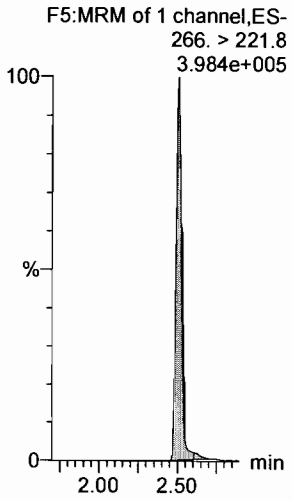
PFPeS



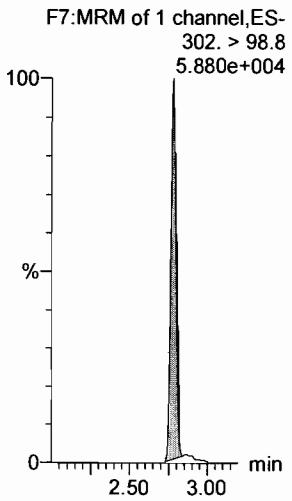
13C3-PFBA



13C3-PFPeA



13C3-PFBS



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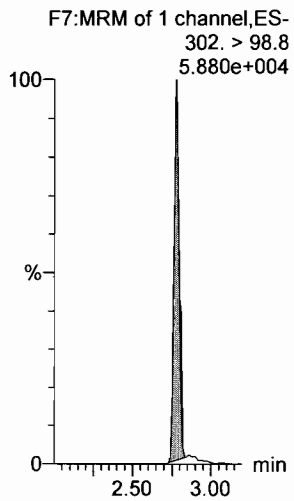
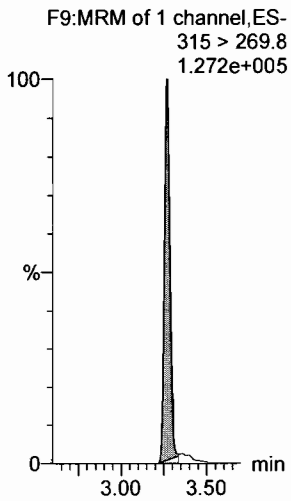


13C2-PFHxA



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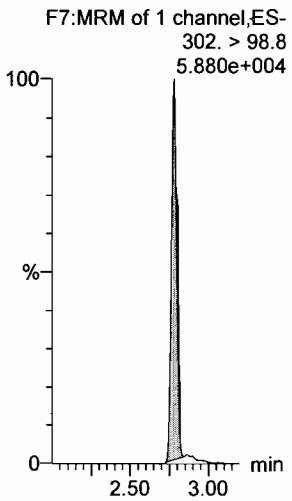

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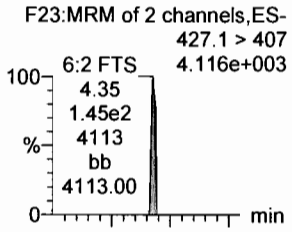
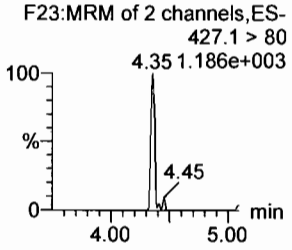
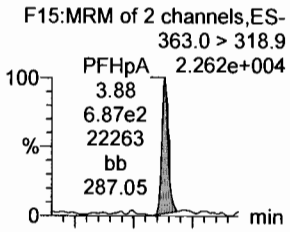
Name: 180227M1_3, Date: 27-Feb-2018, Time: 19:42:07, ID: ST180227M1-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

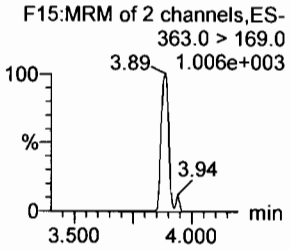
6:2 FTS



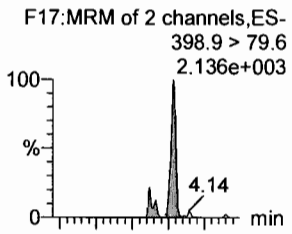


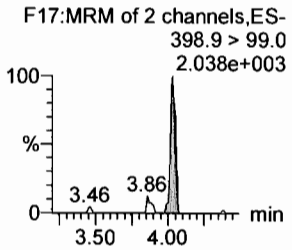
PFHpA



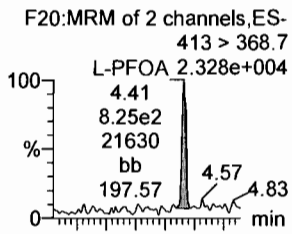


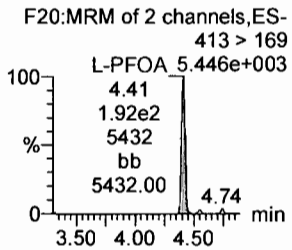
L-PFHxS



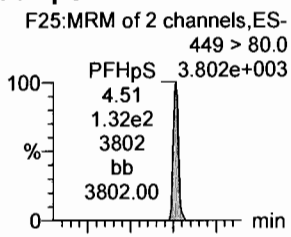


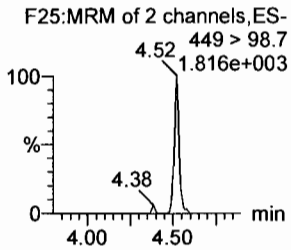
L-PFOA





PFHpS





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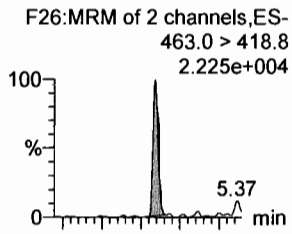
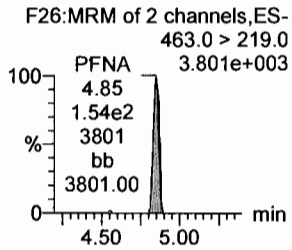
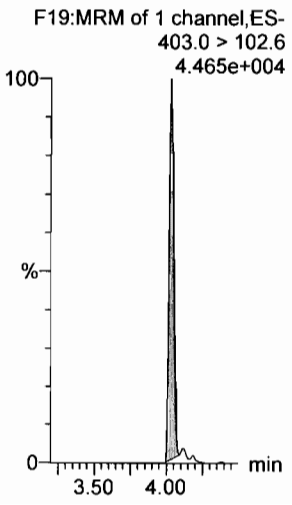
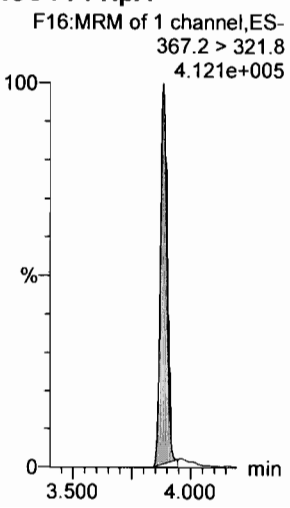




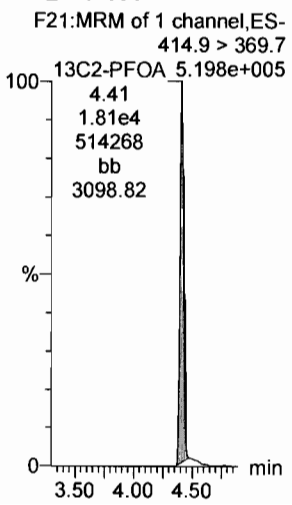
18O2-PFHxS



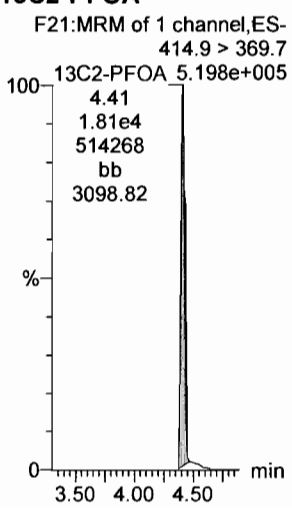
13C4-PFHpA



13C2-PFOA



13C2-PFOA



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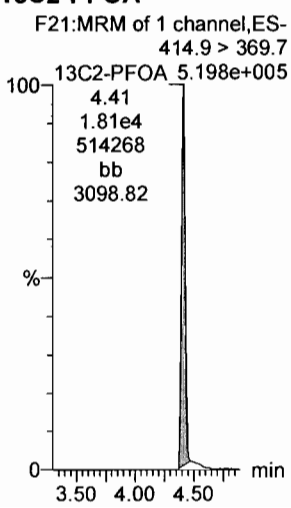

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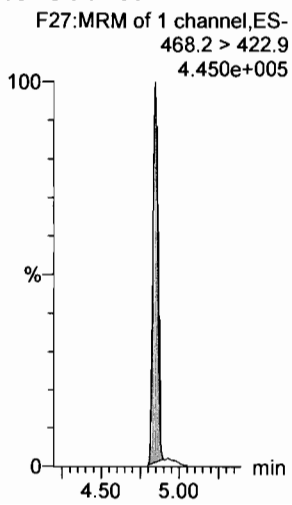

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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_3, Date: 27-Feb-2018, Time: 19:42:07, ID: ST180227M1-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

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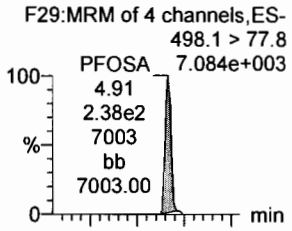

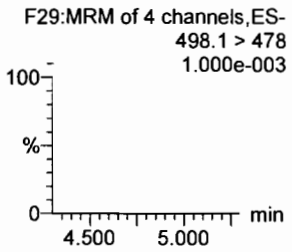

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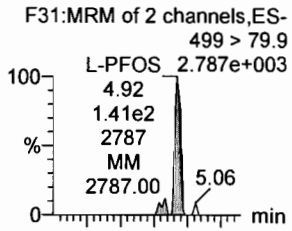

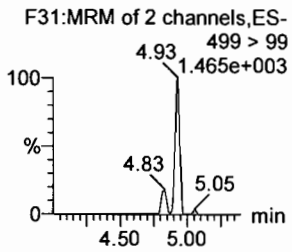

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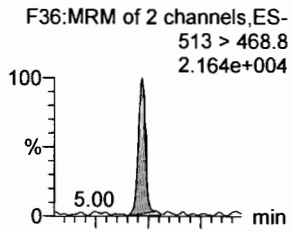

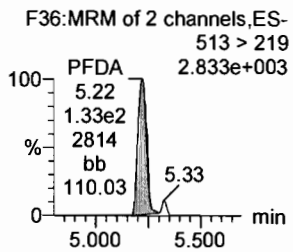

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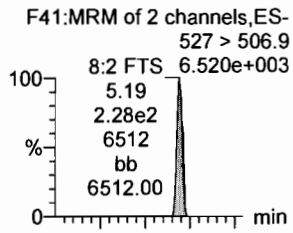

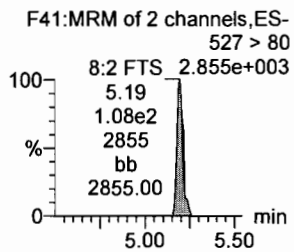

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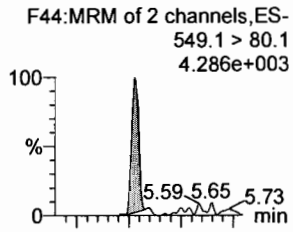
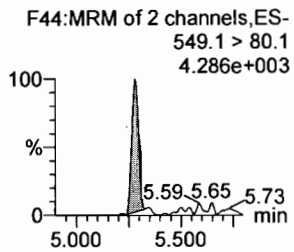
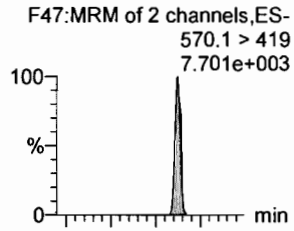
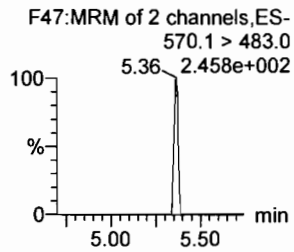


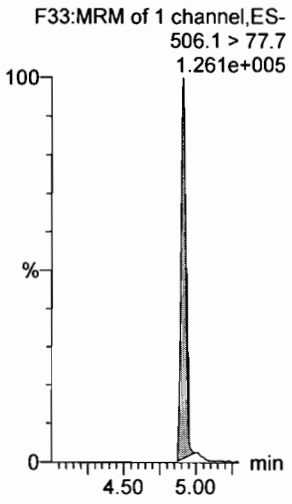


N-MeFOSAA





13C8-PFOSA



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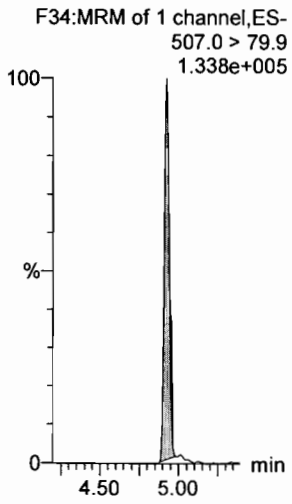

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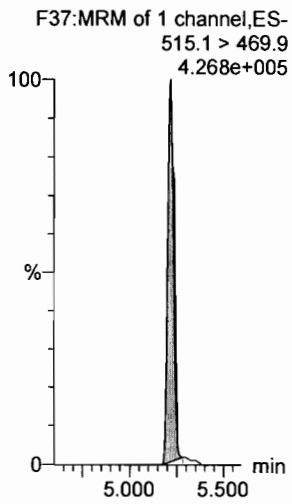

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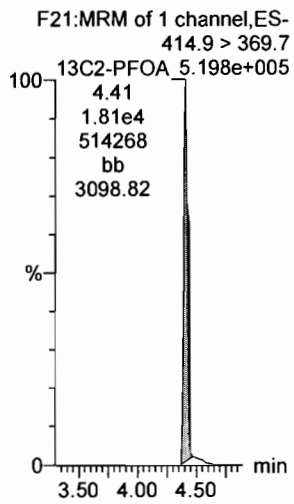

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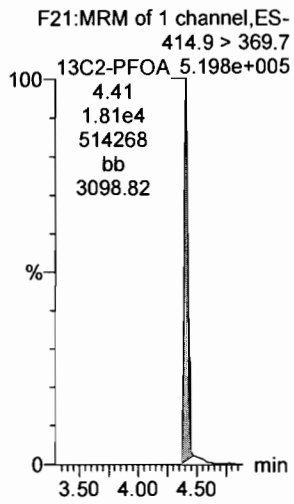
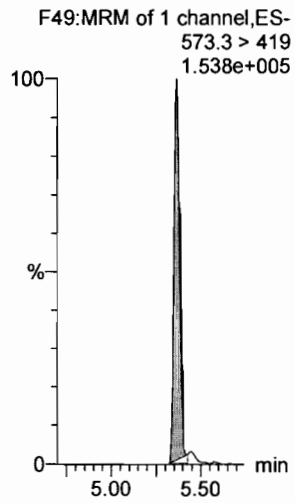


d3-N-MeFOSAA



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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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Name: 180227M1_3, Date: 27-Feb-2018, Time: 19:42:07, ID: ST180227M1-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

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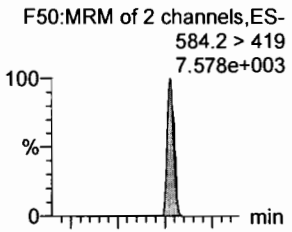
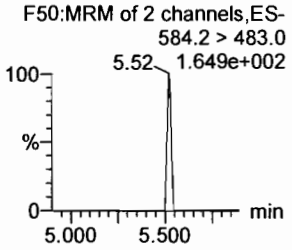
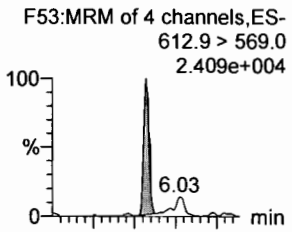
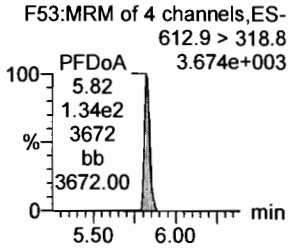




PFDoA





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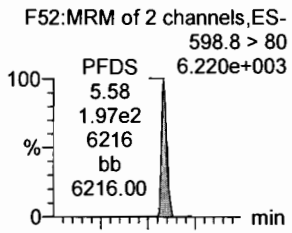

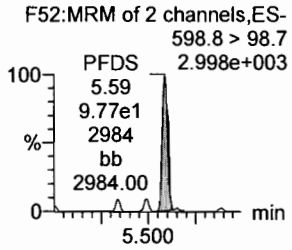

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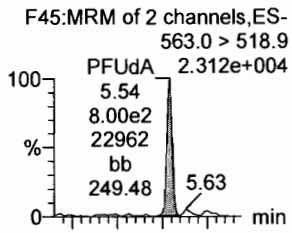

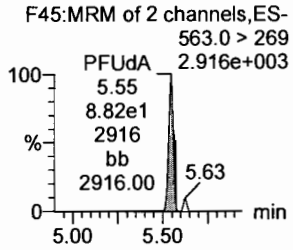

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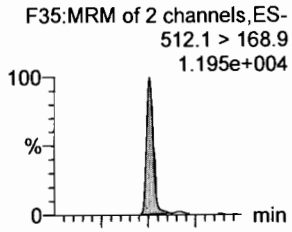

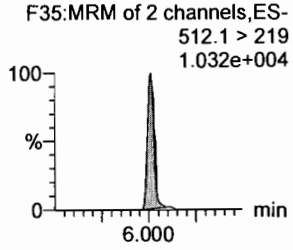

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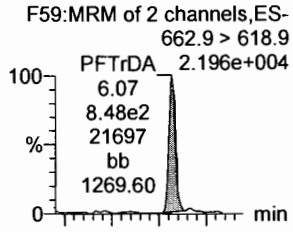
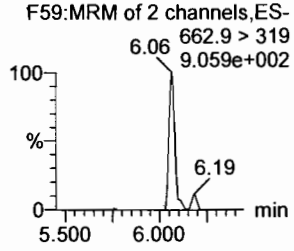
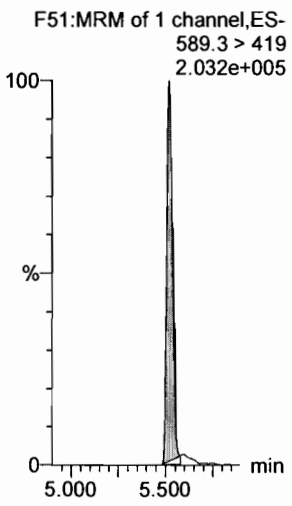
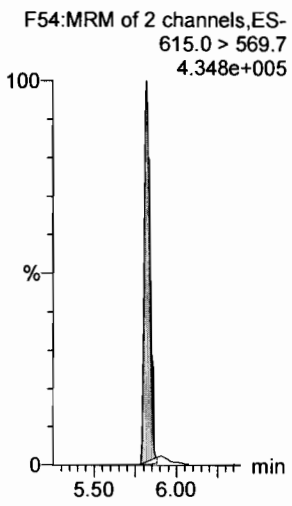




d5-N-EtFOSAA



13C2-PFDoA



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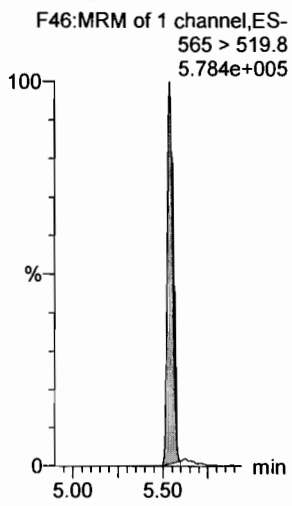

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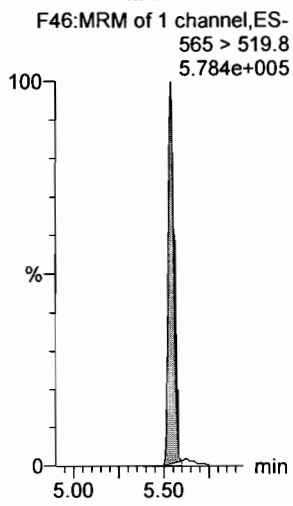

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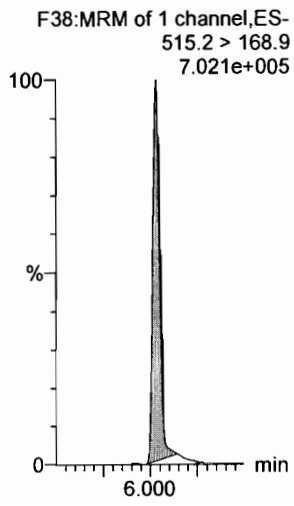

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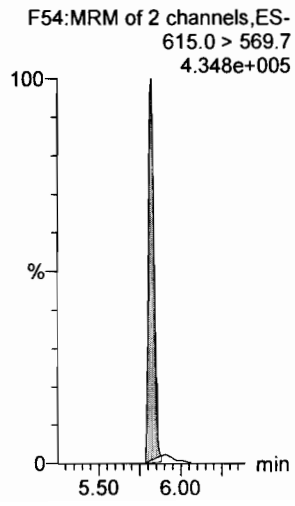

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Name: 180227M1_3, Date: 27-Feb-2018, Time: 19:42:07, ID: ST180227M1-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

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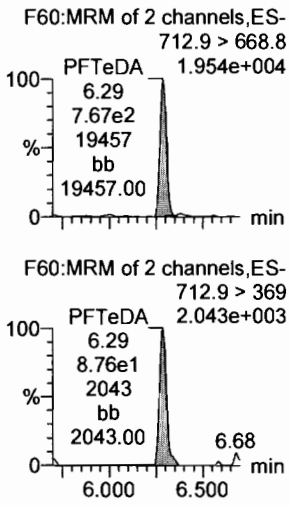

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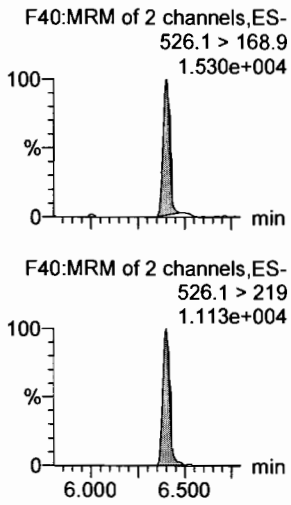
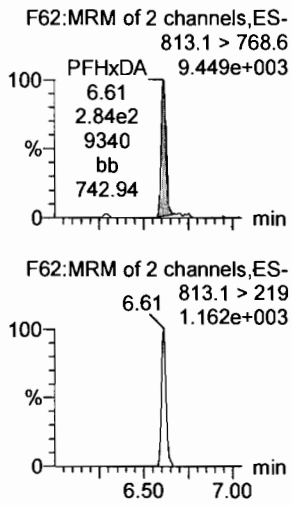


PFHxDA



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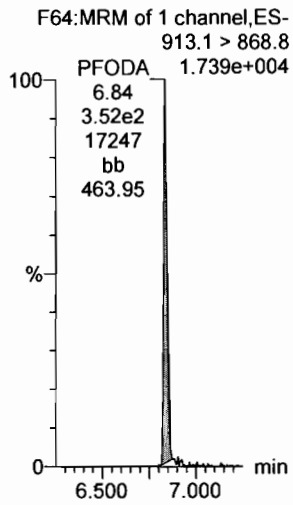

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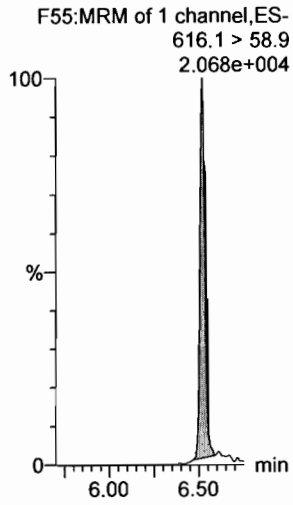

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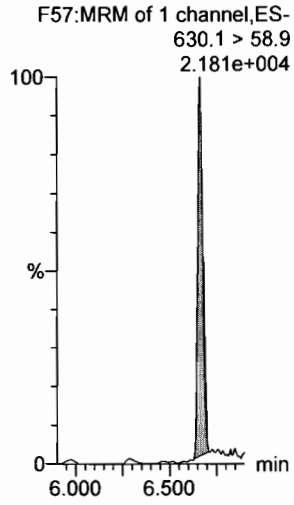

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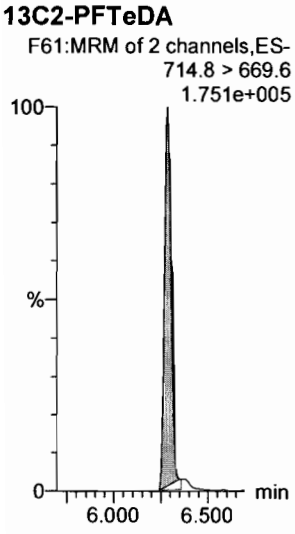
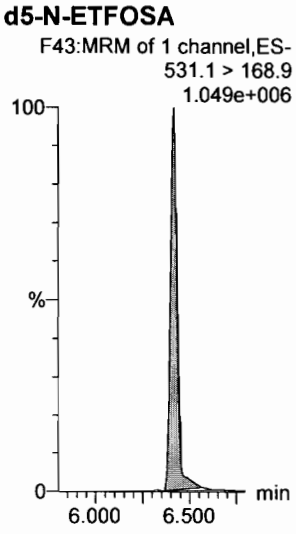


d5-N-ETFOSA



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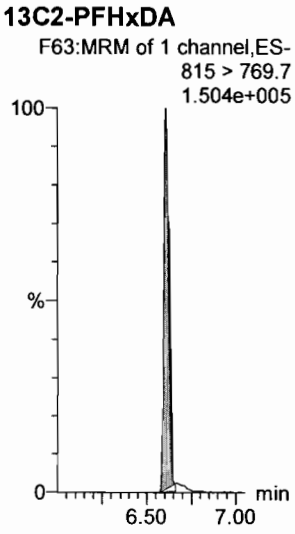

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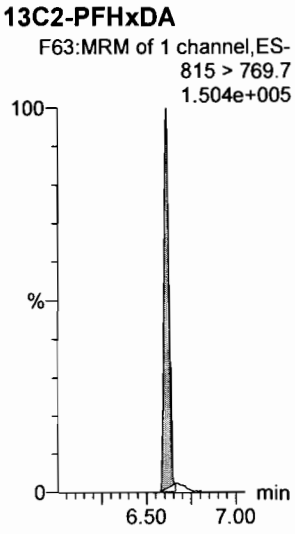

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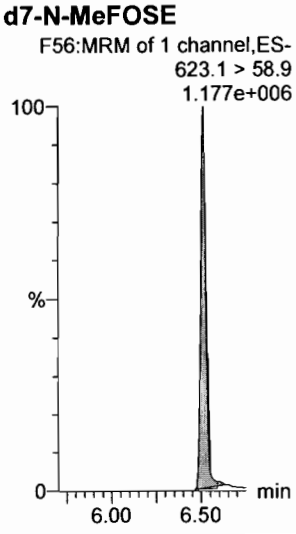

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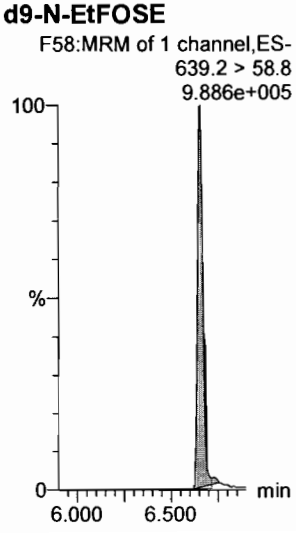

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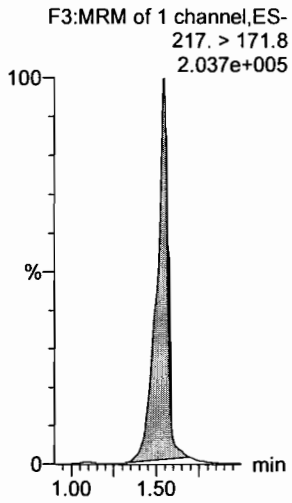
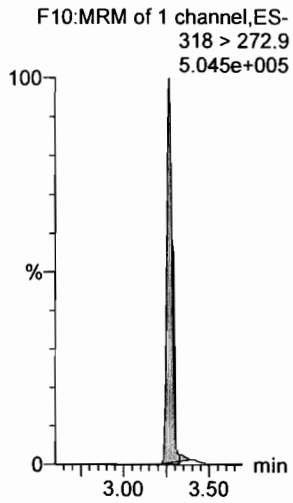
Name: 180227M1_3, Date: 27-Feb-2018, Time: 19:42:07, ID: ST180227M1-2 PFC CS-1 18B2313, Description: PFC CS-1 18B2313

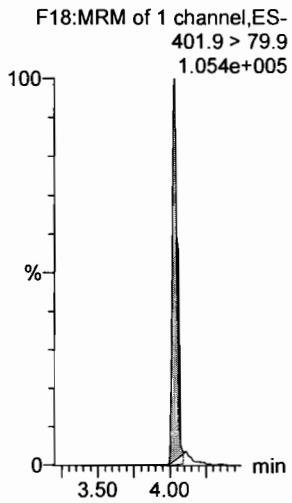
13C4-PFBA



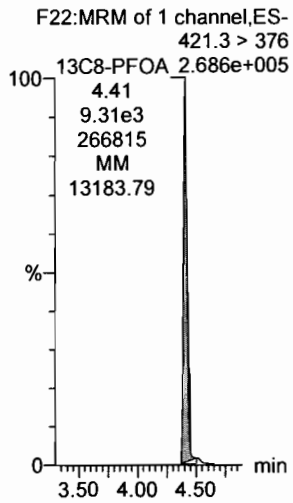
13C5-PFHxA



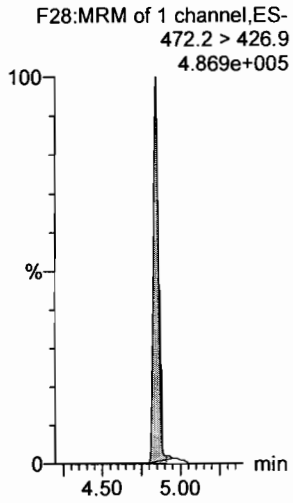
13C3-PFHxS



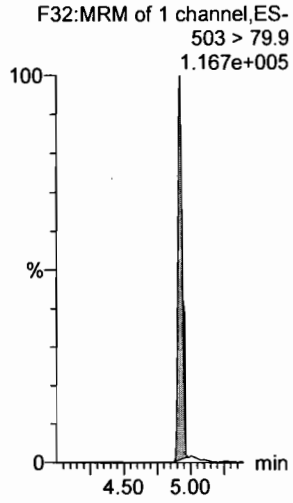
13C8-PFOA



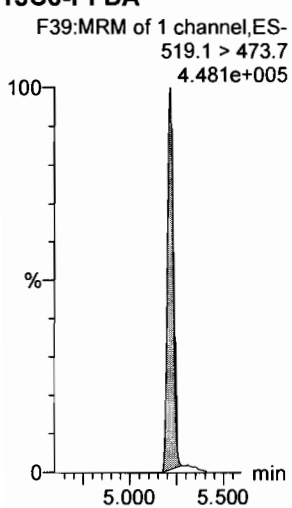
13C9-PFNA



13C4-PFOS



13C6-PFDA



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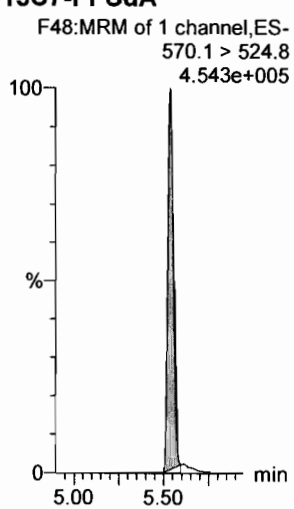

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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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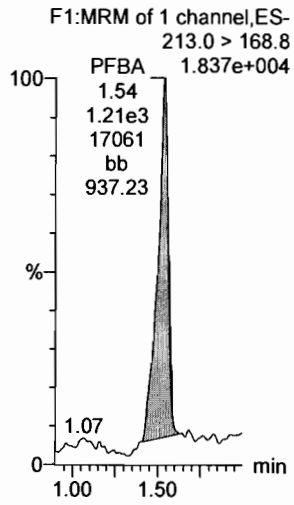
Name: 180227M1_4, Date: 27-Feb-2018, Time: 19:53:34, ID: ST180227M1-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

PFBA



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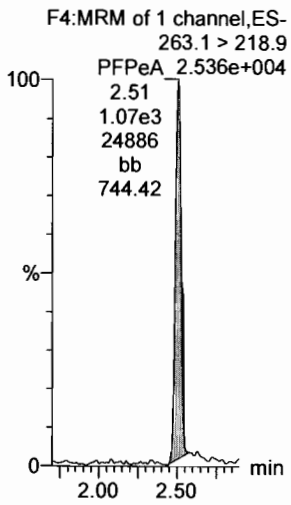
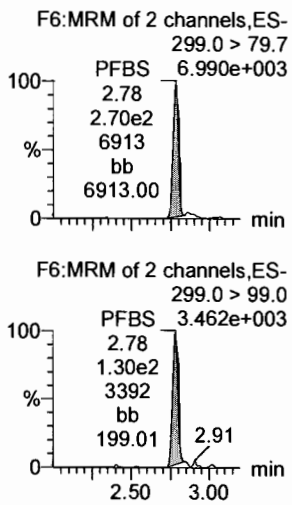
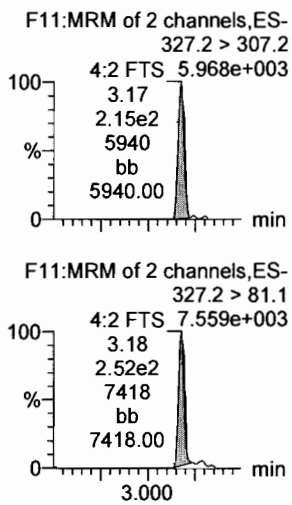


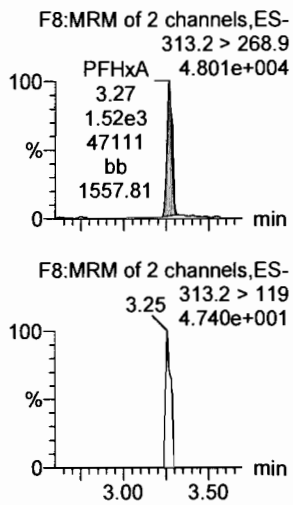
PFBS



4:2 FTS



PFHxA



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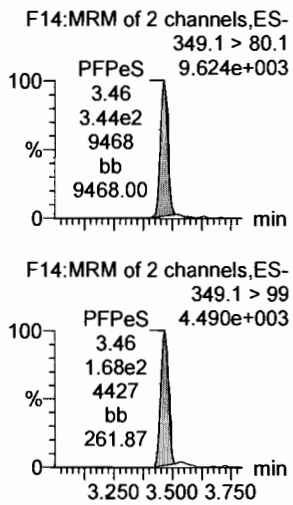
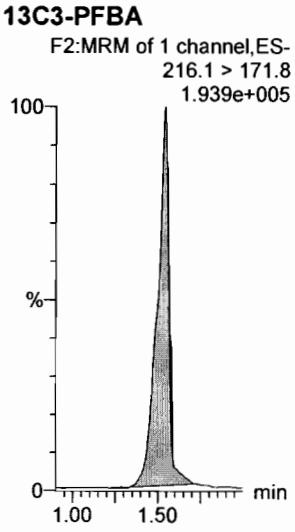


13C3-PFBA



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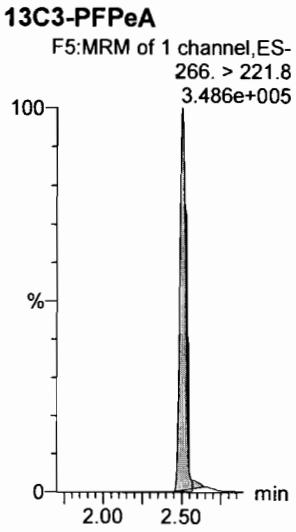

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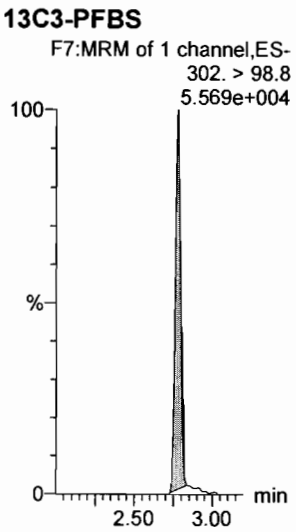

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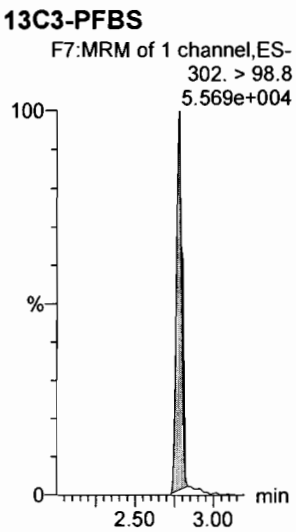
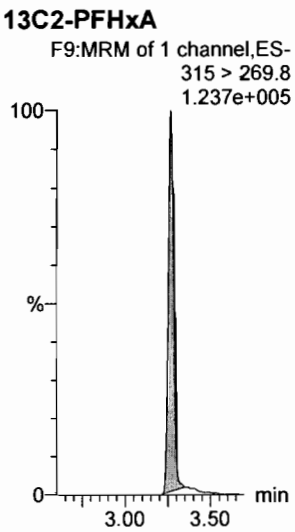


13C2-PFHxA



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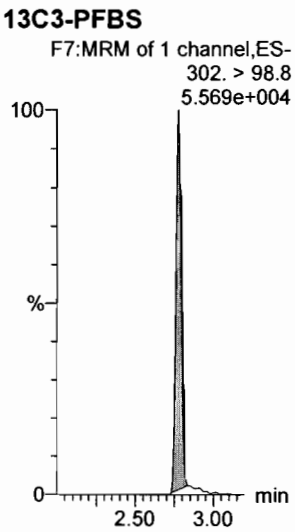

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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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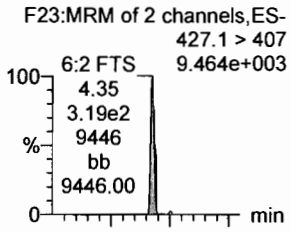
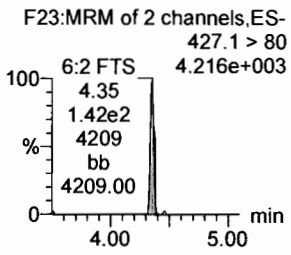
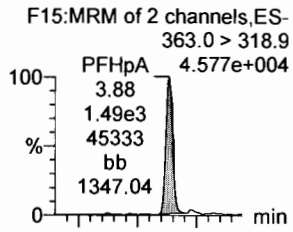
Name: 180227M1_4, Date: 27-Feb-2018, Time: 19:53:34, ID: ST180227M1-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

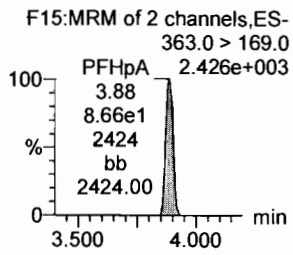
6:2 FTS



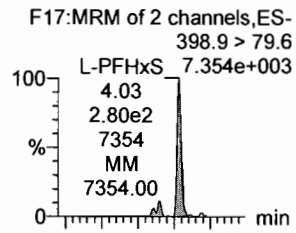


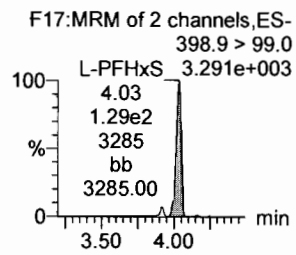
PFHpA



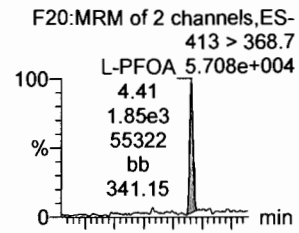


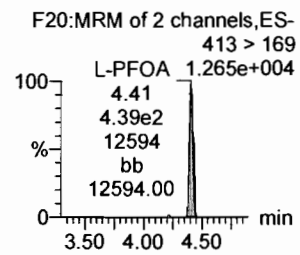
L-PFHxS



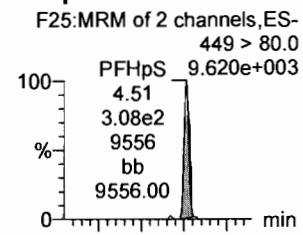


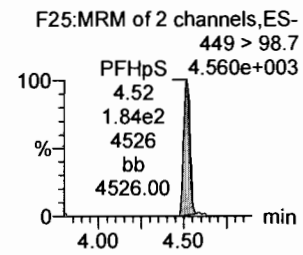
L-PFOA





PFHpS





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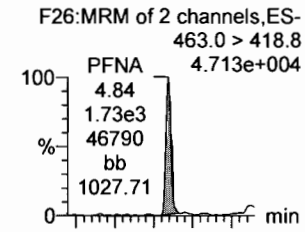
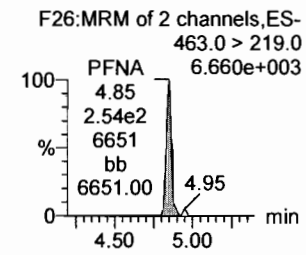
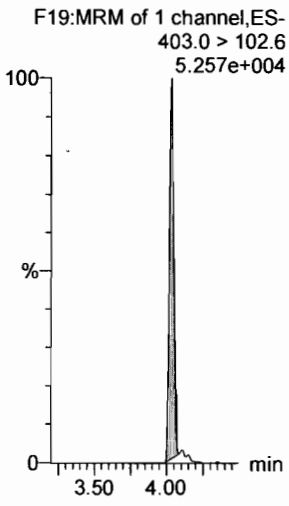
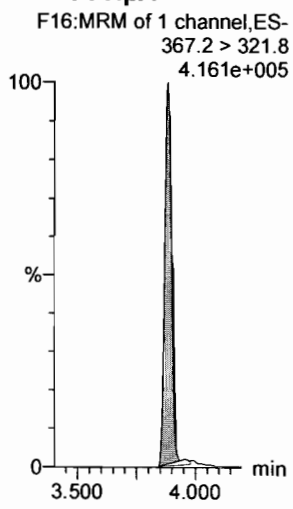




18O2-PFHxS



13C4-PFHpA



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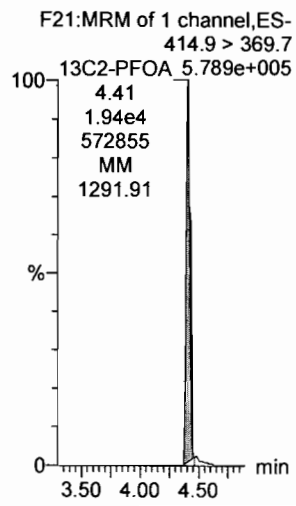

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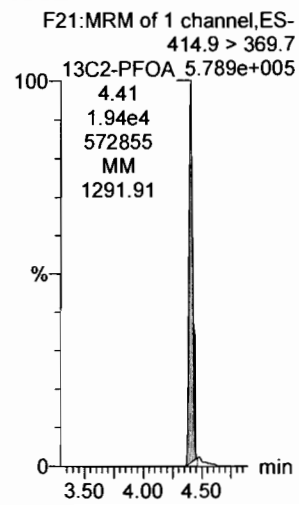

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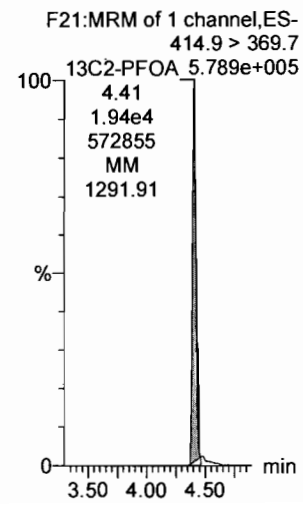
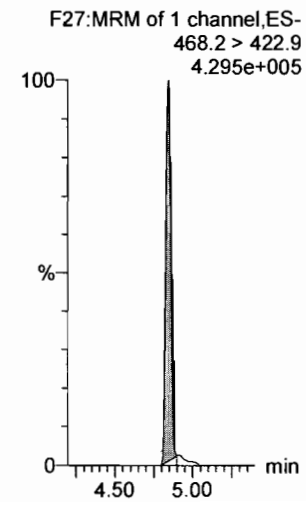


13C5-PFNA



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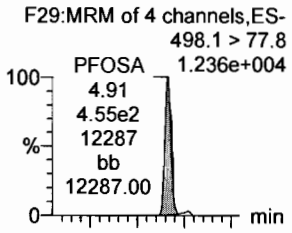
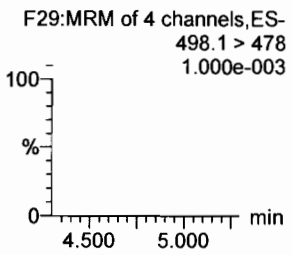
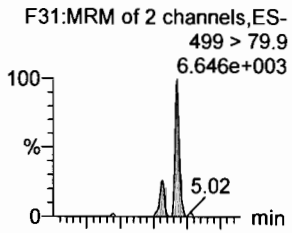
Name: 180227M1_4, Date: 27-Feb-2018, Time: 19:53:34, ID: ST180227M1-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

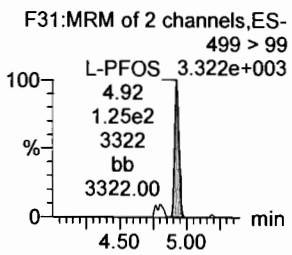
PFOSA



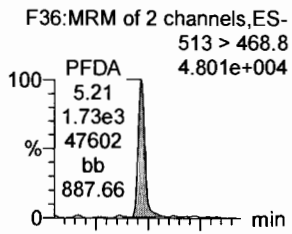


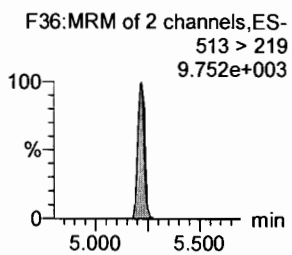
L-PFOS



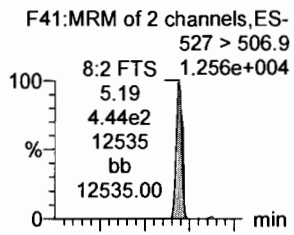


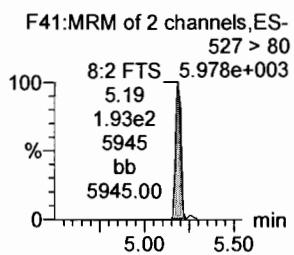
PFDA





8:2 FTS





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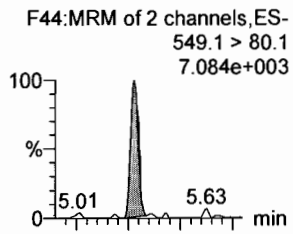
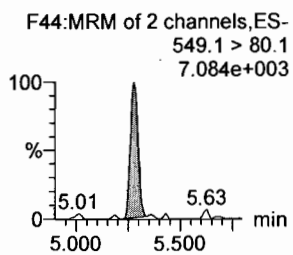
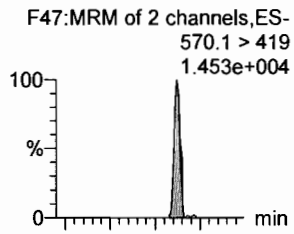
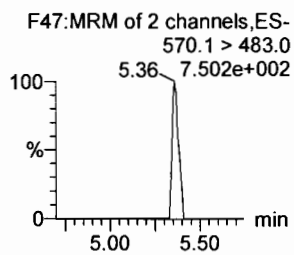


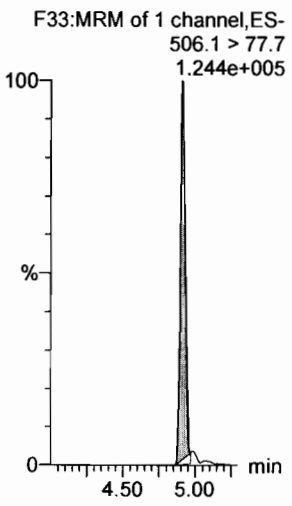


N-MeFOSAA

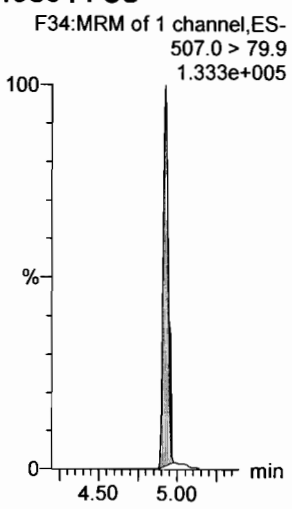




13C8-PFOSA



13C8-PFOS



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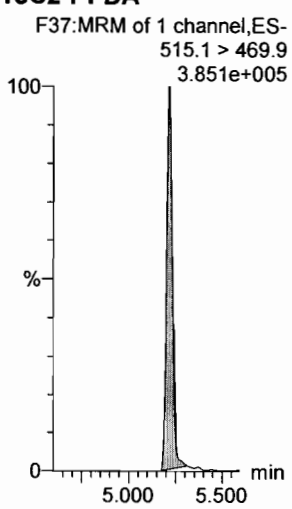

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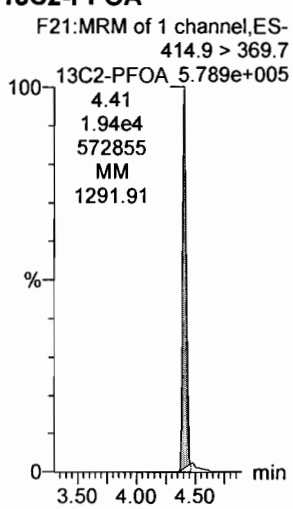
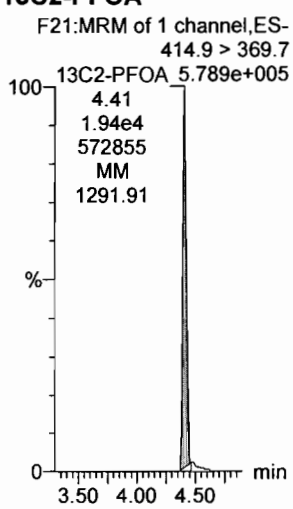
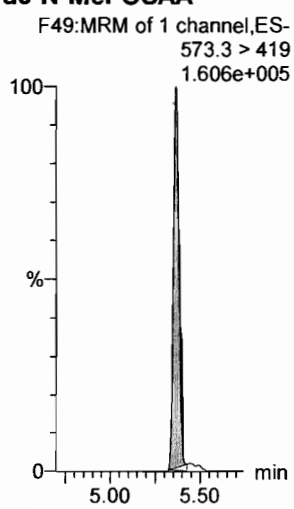


13C2-PFOA



d3-N-MeFOSAA



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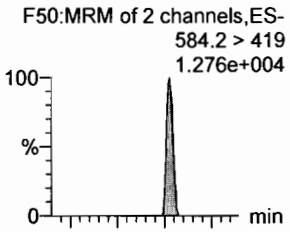
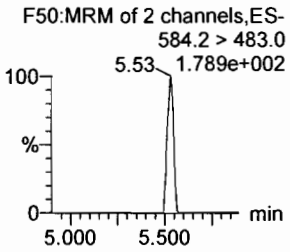
Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

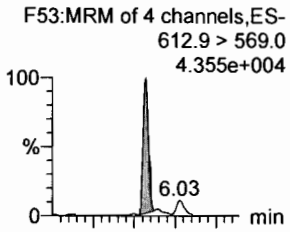
Name: 180227M1_4, Date: 27-Feb-2018, Time: 19:53:34, ID: ST180227M1-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

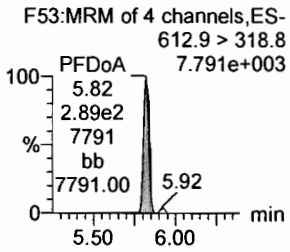
N-EtFOSAA





PFDoA





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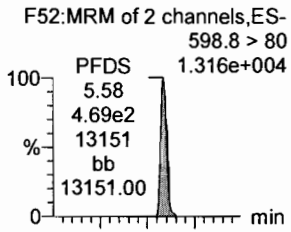

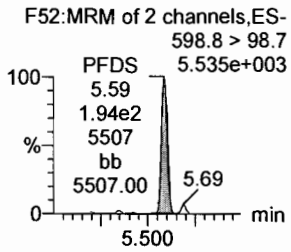

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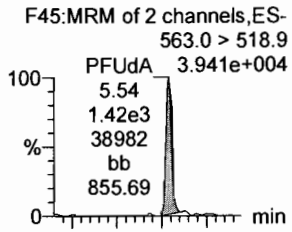

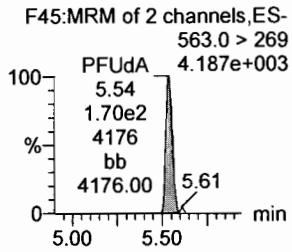

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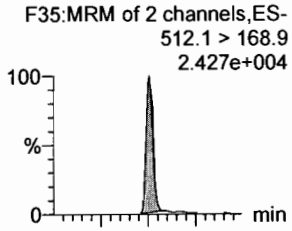

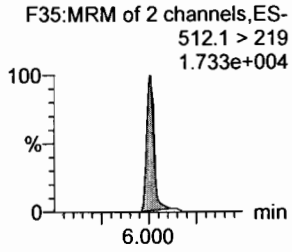

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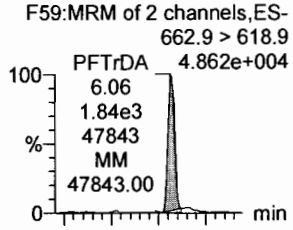
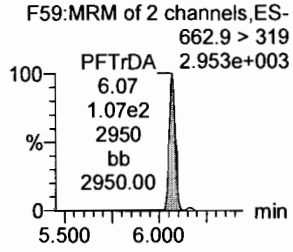
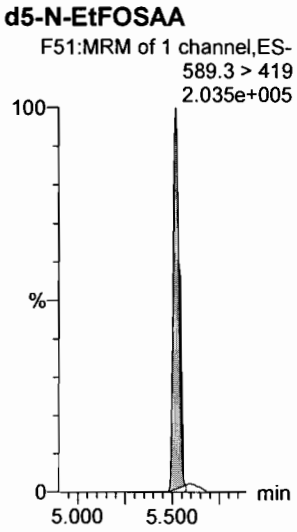
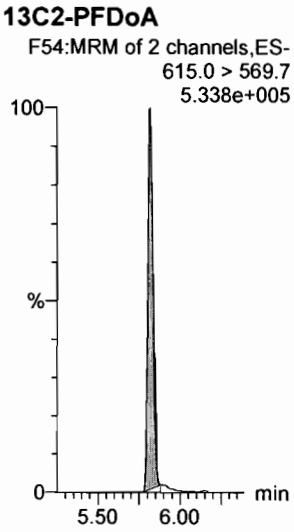




d5-N-EtFOSAA



13C2-PFDoA



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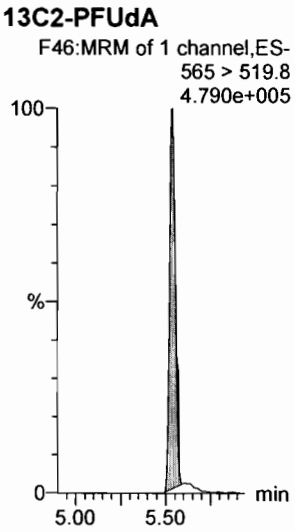

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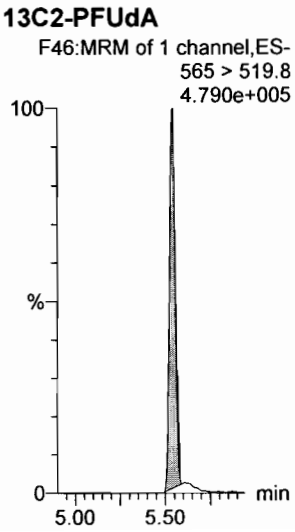

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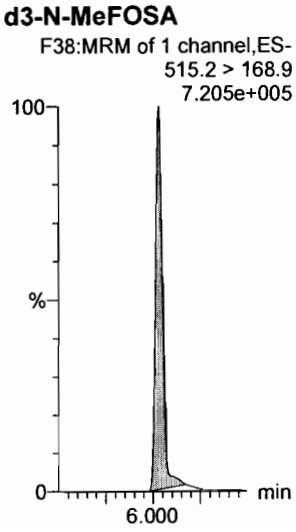

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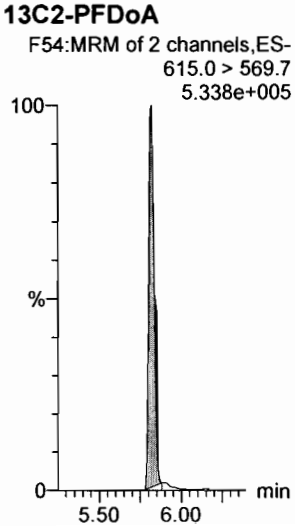

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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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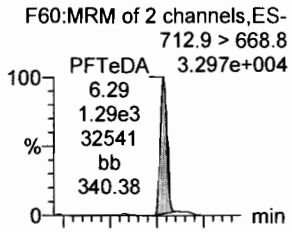
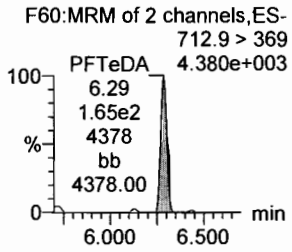
Name: 180227M1_4, Date: 27-Feb-2018, Time: 19:53:34, ID: ST180227M1-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

PFTeDA





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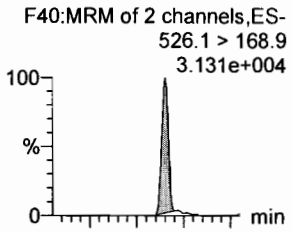
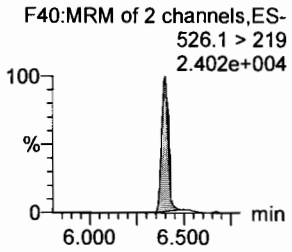
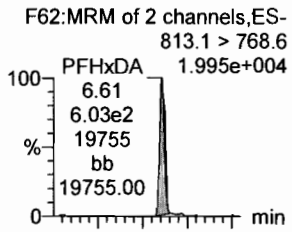
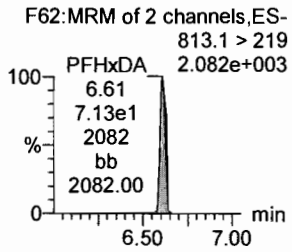




PFHxDA





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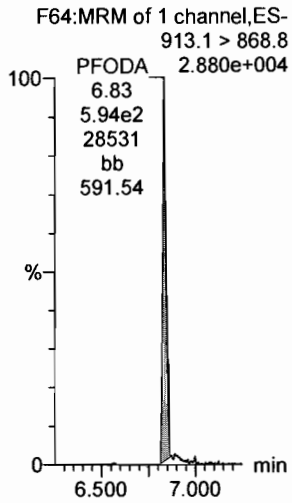
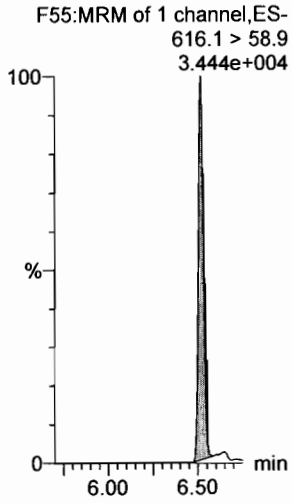


N-MeFOSE



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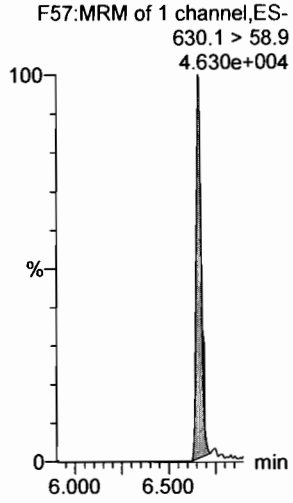

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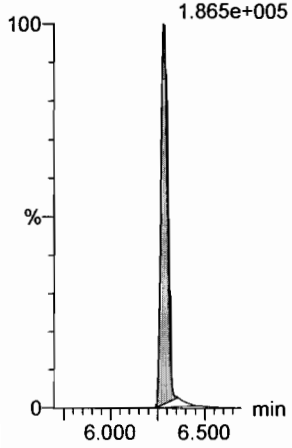
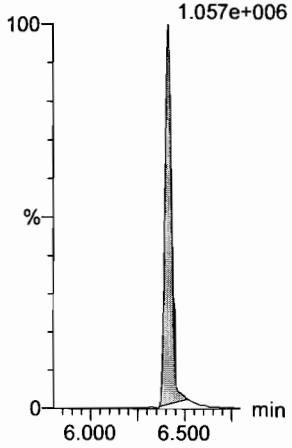


d5-N-ETFOSA



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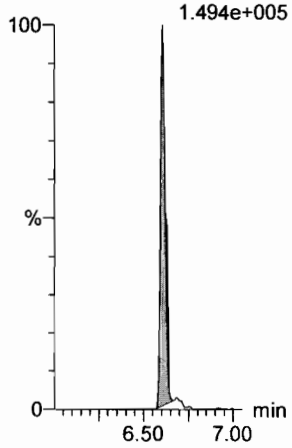

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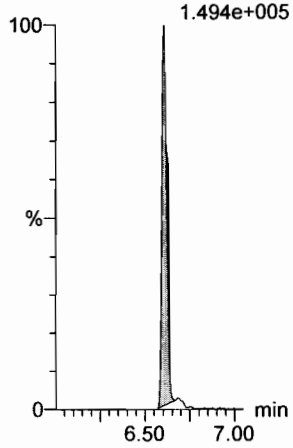
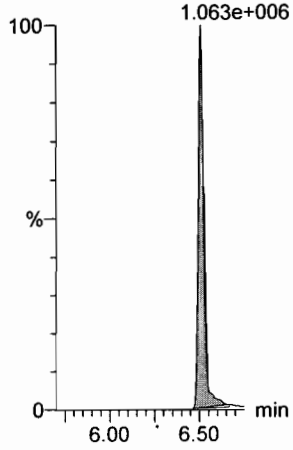
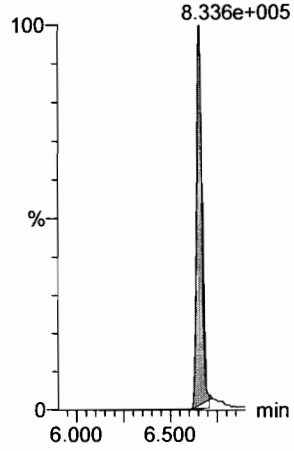


d7-N-MeFOSE



d9-N-EtFOSE



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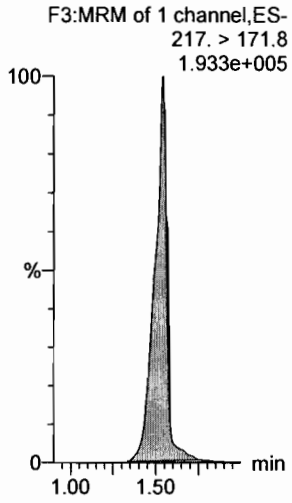
Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_4, Date: 27-Feb-2018, Time: 19:53:34, ID: ST180227M1-3 PFC CS0 18B2314, Description: PFC CS0 18B2314

13C4-PFBA



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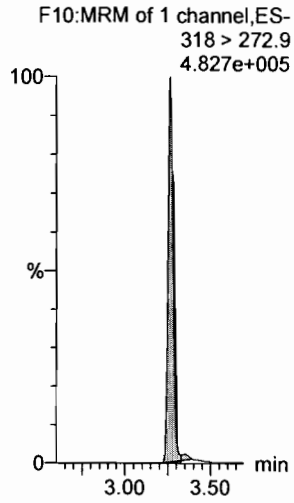

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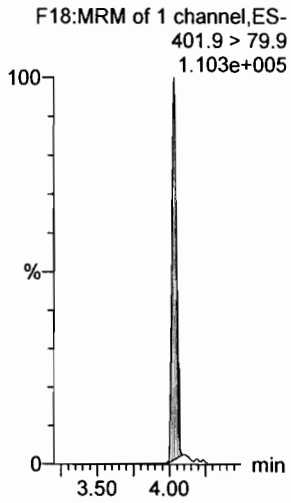

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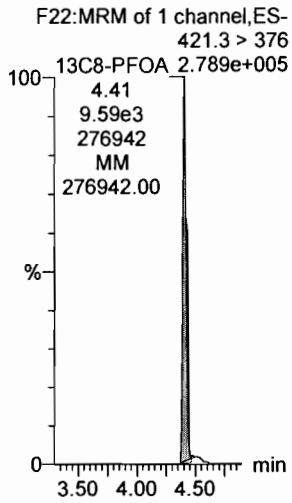

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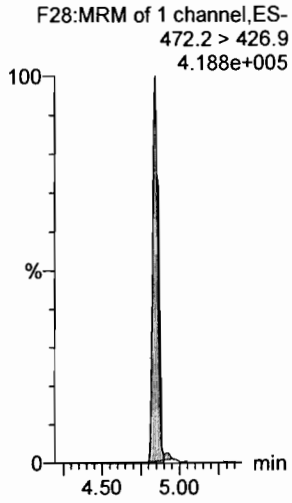

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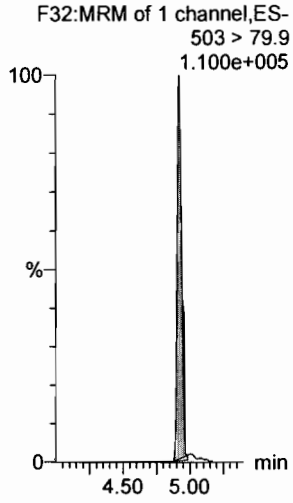

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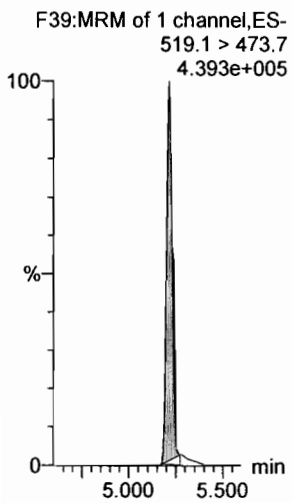
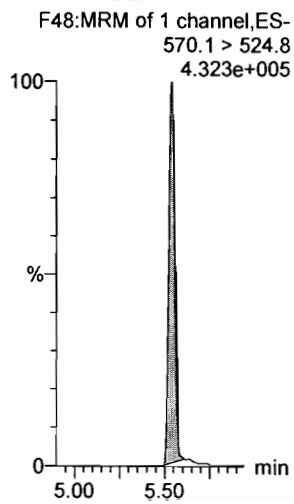


13C7-PFUdA



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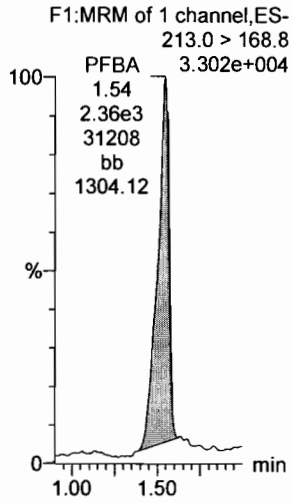
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_5, Date: 27-Feb-2018, Time: 20:05:03, ID: ST180227M1-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

PFBA



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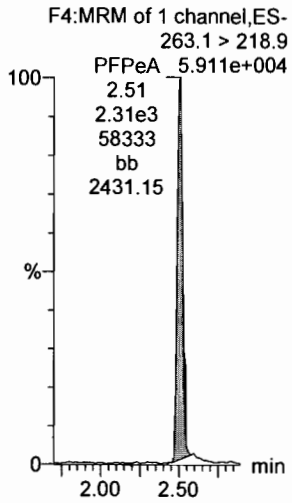

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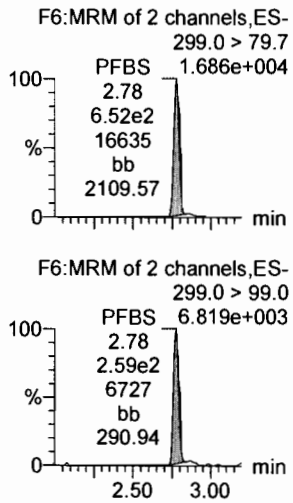
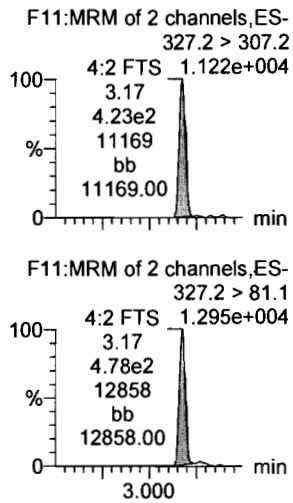
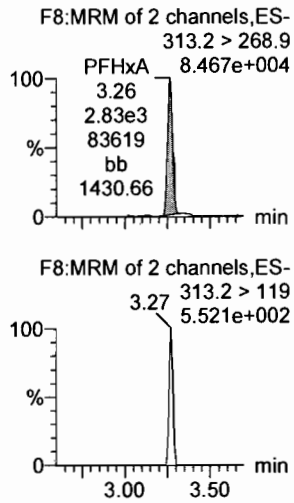


4:2 FTS



PFHxA



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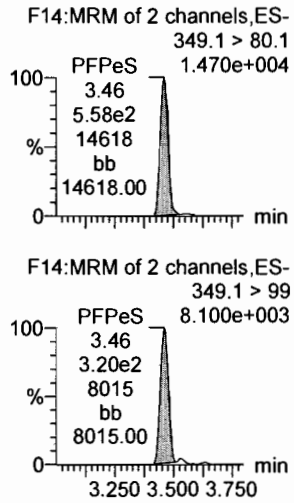
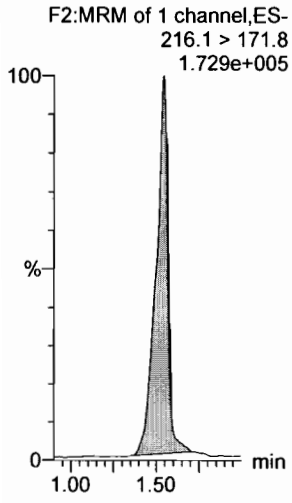


13C3-PFBA



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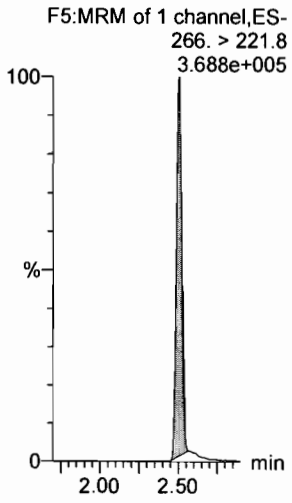

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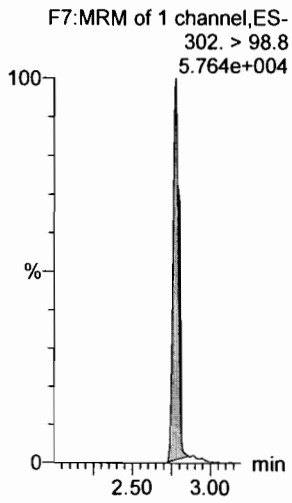
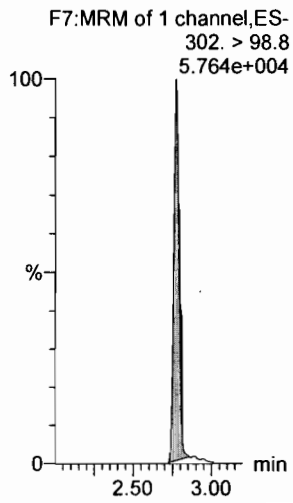


13C3-PFBS



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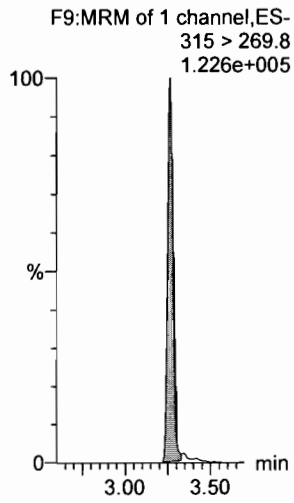

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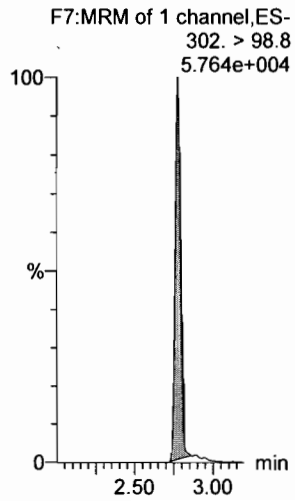

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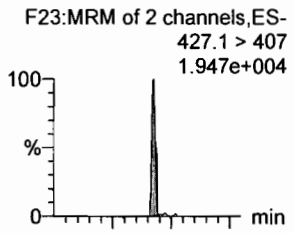
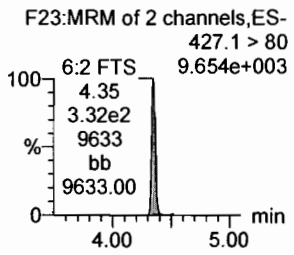
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_5, Date: 27-Feb-2018, Time: 20:05:03, ID: ST180227M1-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

6:2 FTS





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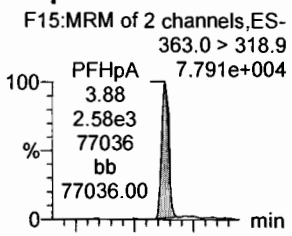

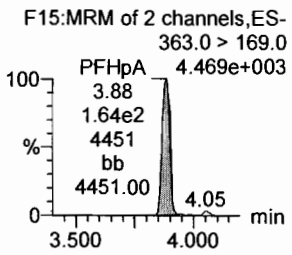

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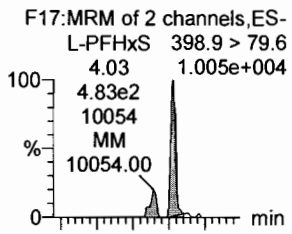

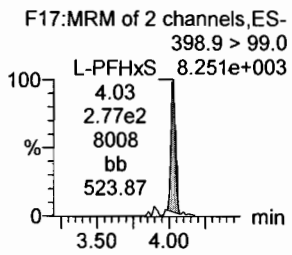

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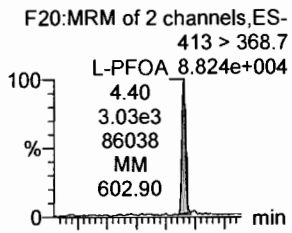

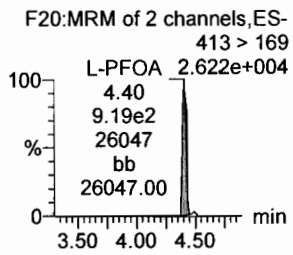

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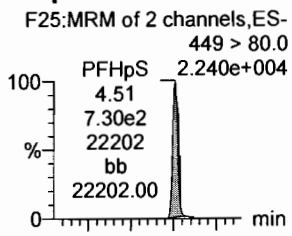

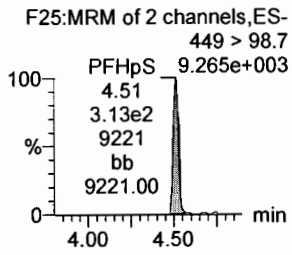

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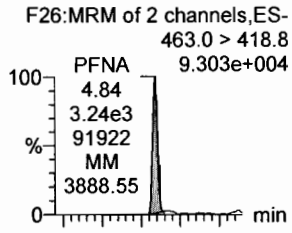

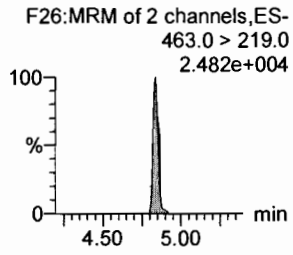

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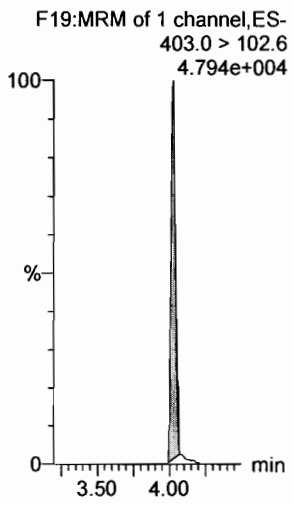

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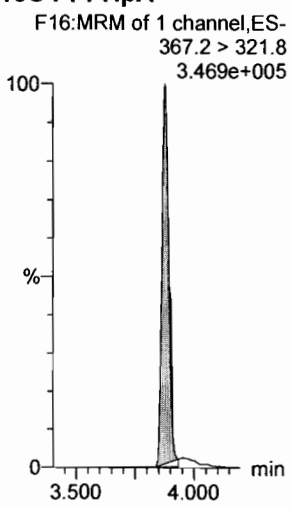

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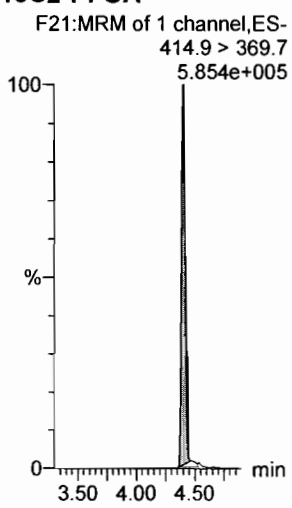

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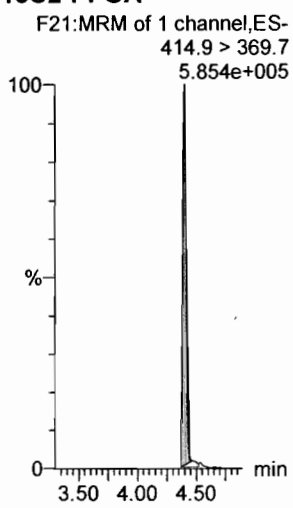

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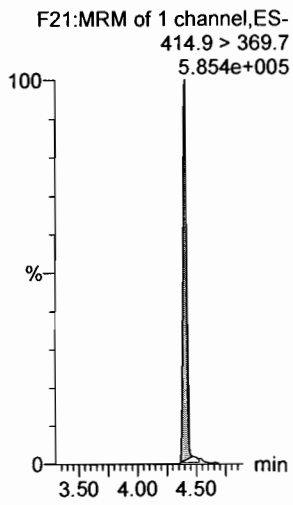

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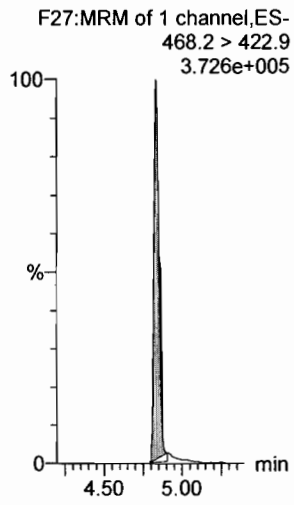

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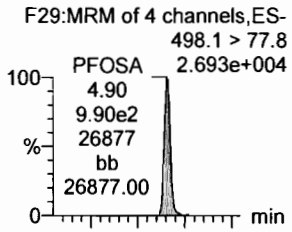
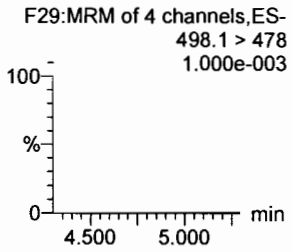
Name: 180227M1_5, Date: 27-Feb-2018, Time: 20:05:03, ID: ST180227M1-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

PFOSA





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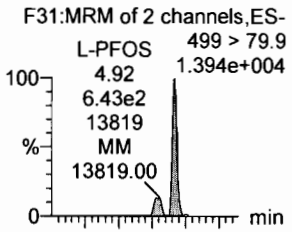

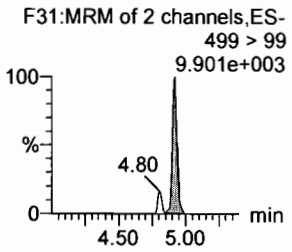

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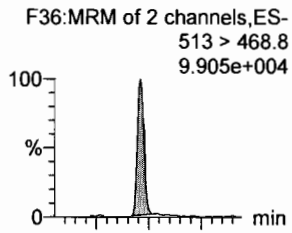

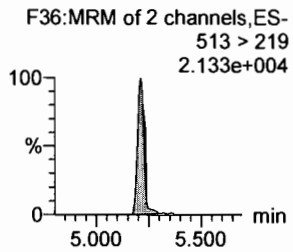

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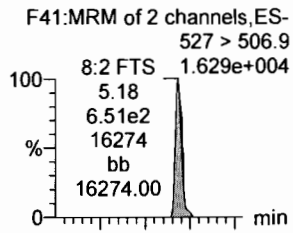

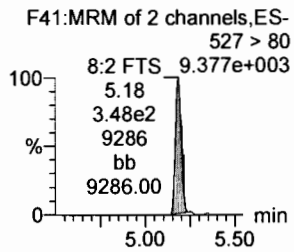

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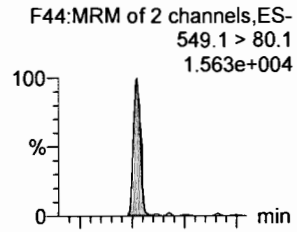

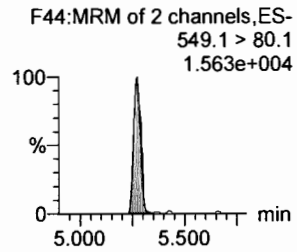

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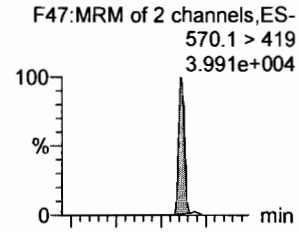

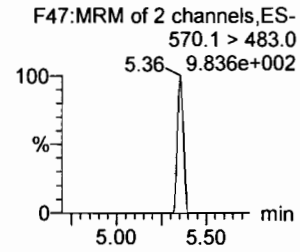

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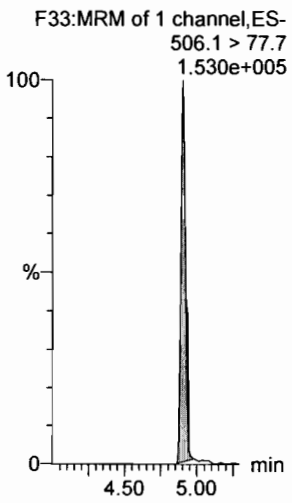

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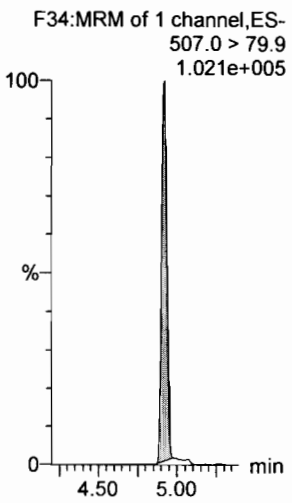

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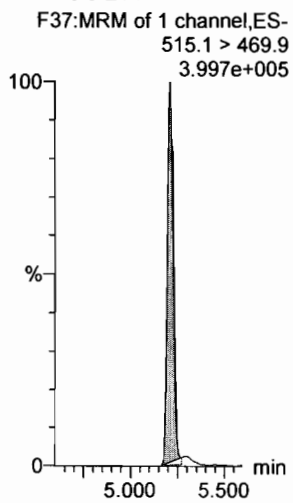

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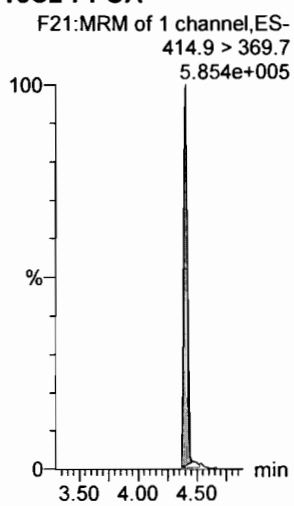

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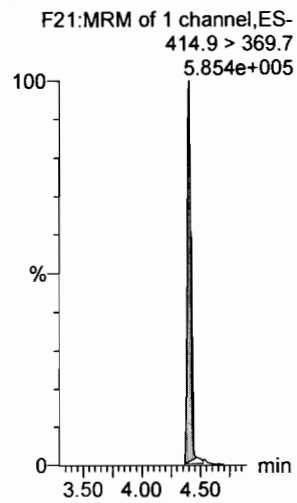

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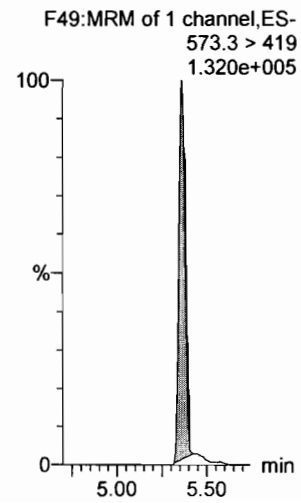

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Name: 180227M1_5, Date: 27-Feb-2018, Time: 20:05:03, ID: ST180227M1-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

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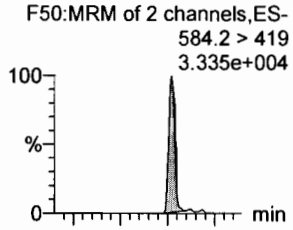

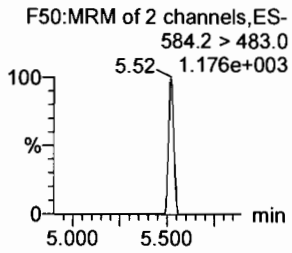

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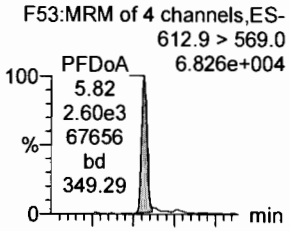

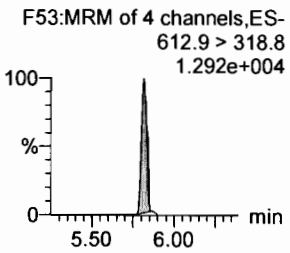

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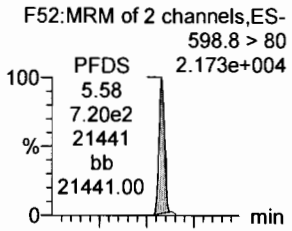

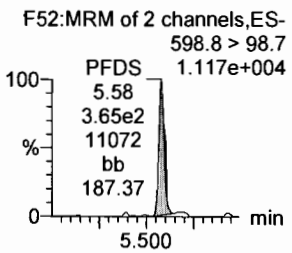

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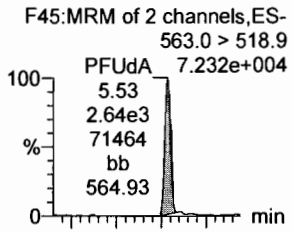

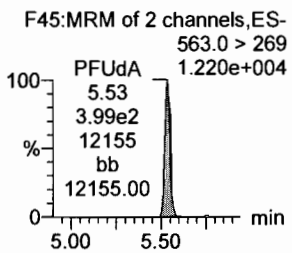

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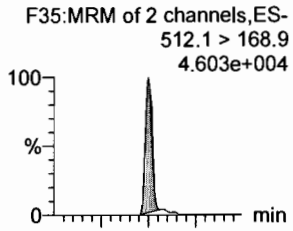

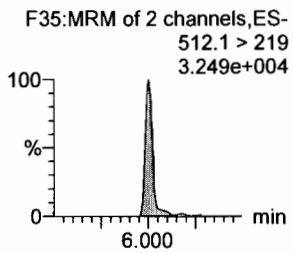

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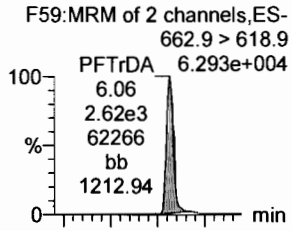

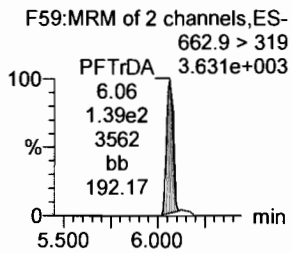

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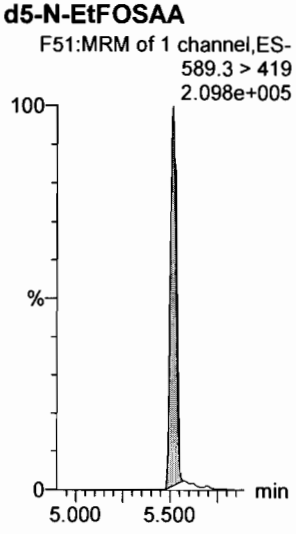

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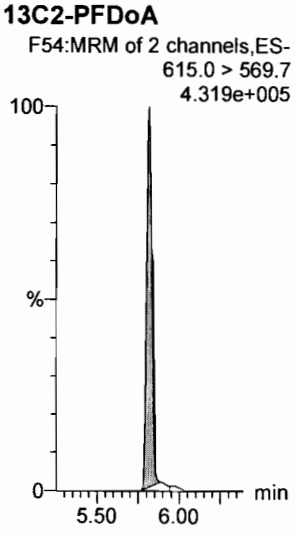

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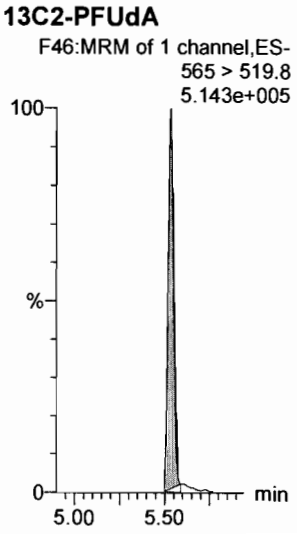
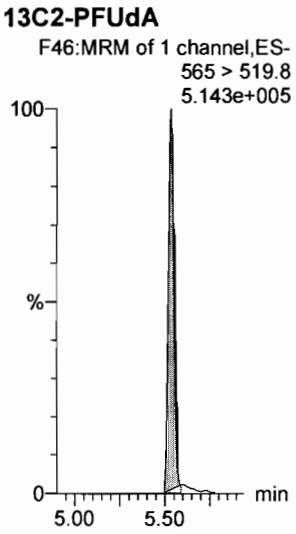
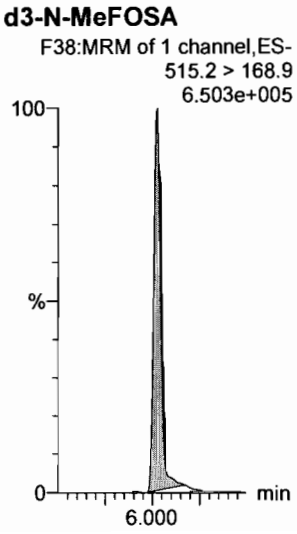


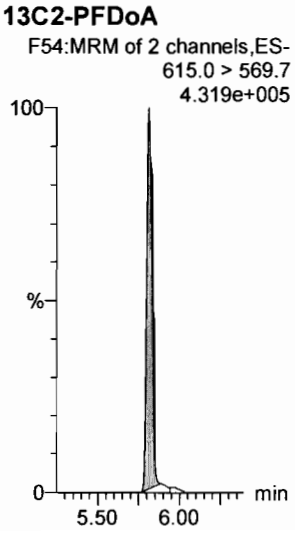
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



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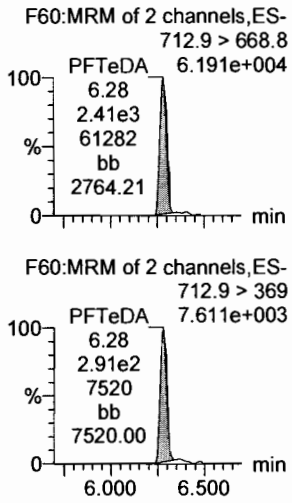
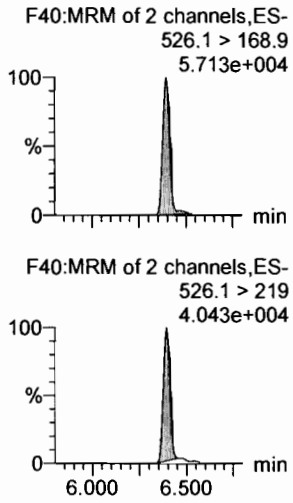
Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_5, Date: 27-Feb-2018, Time: 20:05:03, ID: ST180227M1-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

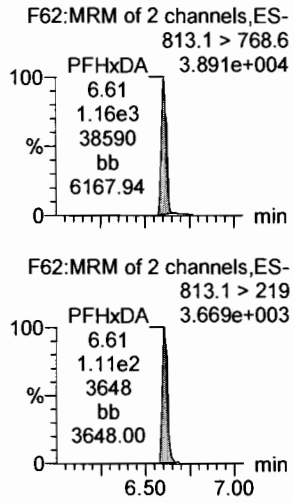
PFTeDA



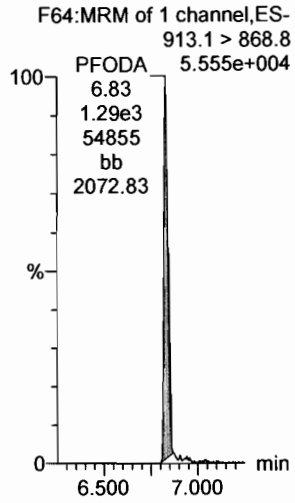
N-EtFOSA



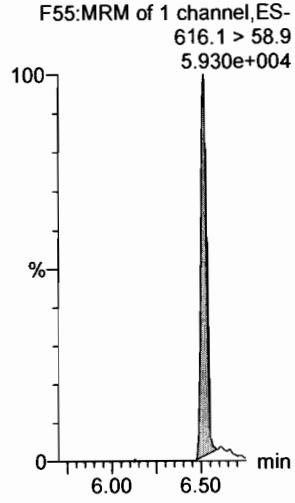
PFHxDA



PFODA



N-MeFOSE



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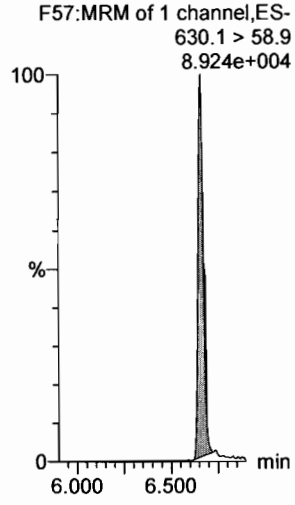
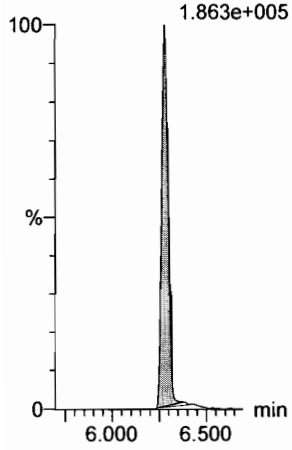
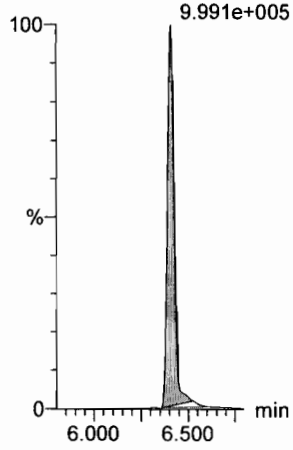


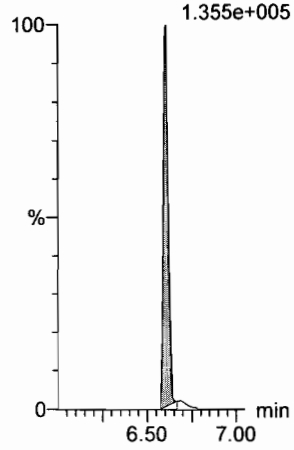
13C2-PFTeDA



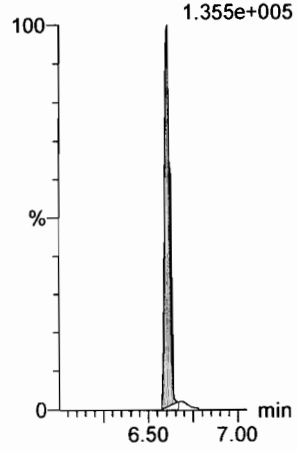
d5-N-ETFOSA



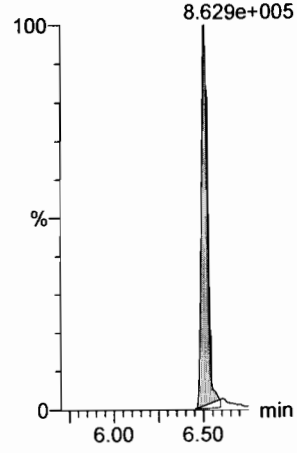
13C2-PFHxDA



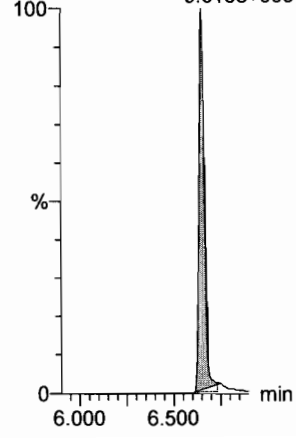
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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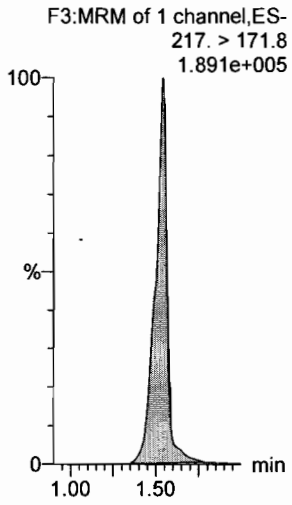
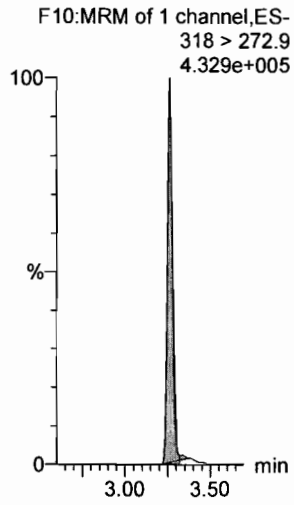
Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_5, Date: 27-Feb-2018, Time: 20:05:03, ID: ST180227M1-4 PFC CS1 18B2315, Description: PFC CS1 18B2315

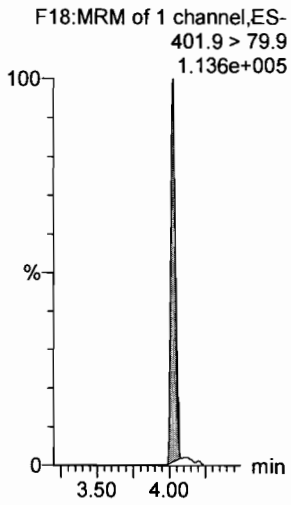
13C4-PFBA



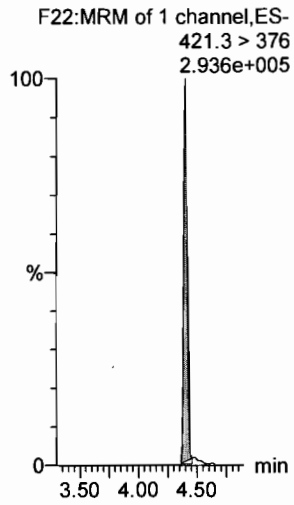
13C5-PFHxA



13C3-PFHxS



13C8-PFOA



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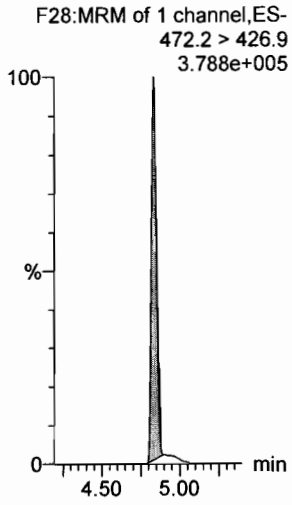
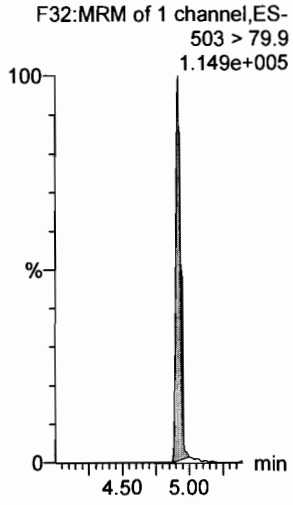
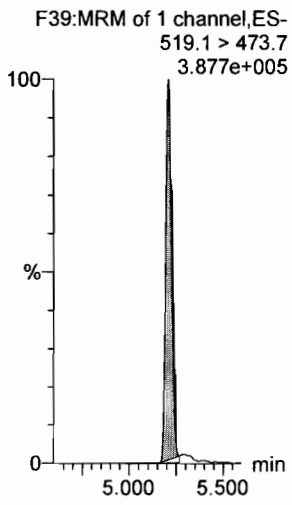


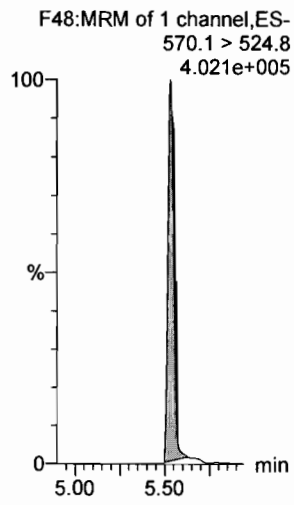
13C4-PFOS



13C6-PFDA



13C7-PFUdA



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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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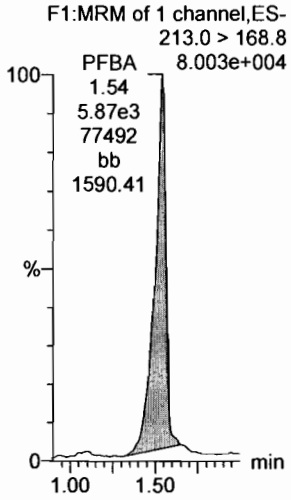
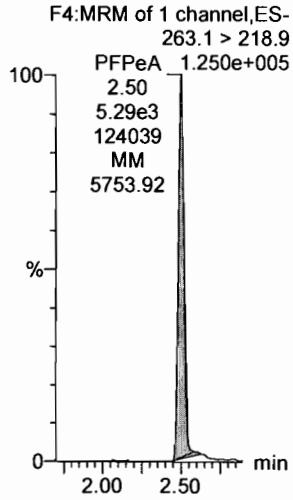
Name: 180227M1_6, Date: 27-Feb-2018, Time: 20:16:34, ID: ST180227M1-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

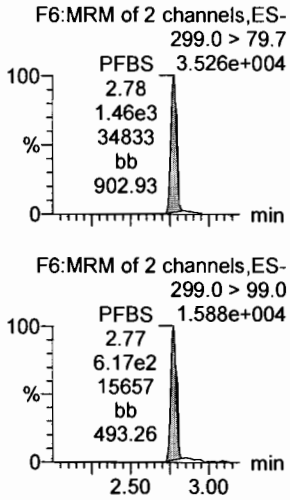
PFBA



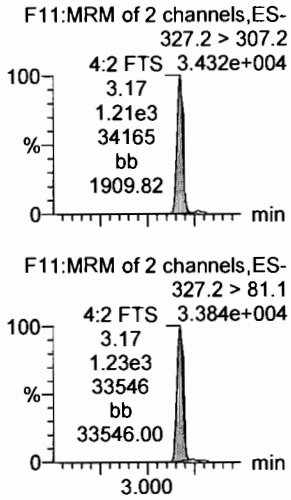
PFPeA



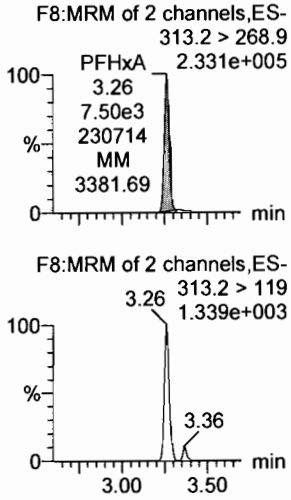
PFBS



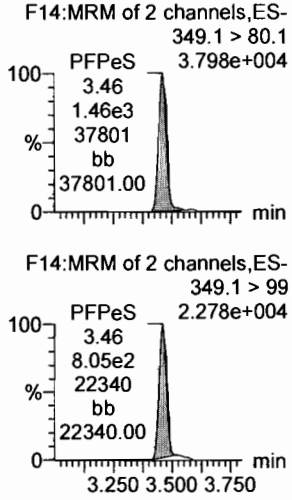
4:2 FTS



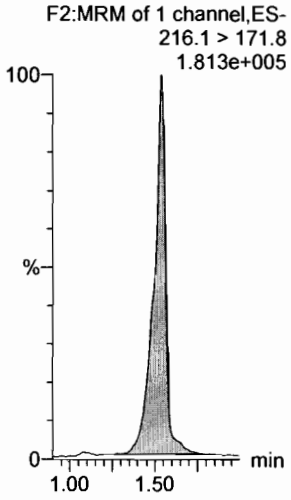
PFHxA



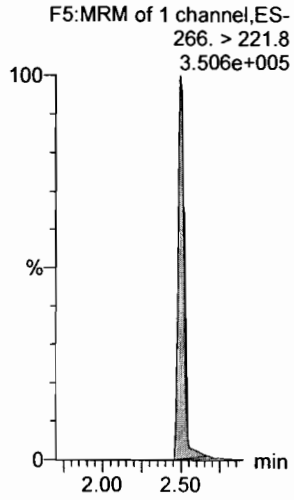
PFPeS



13C3-PFBA



13C3-PFPeA



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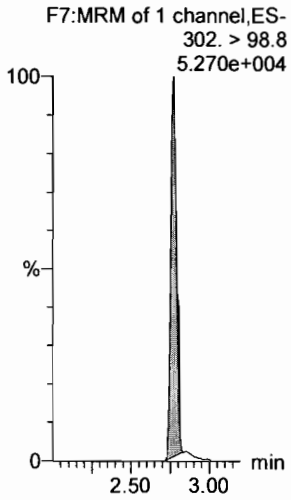

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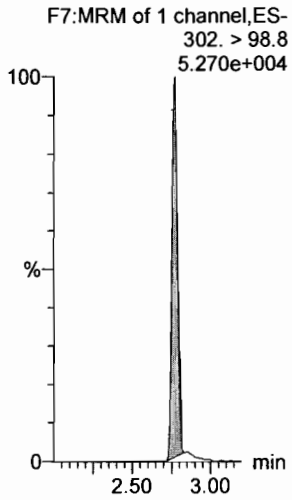
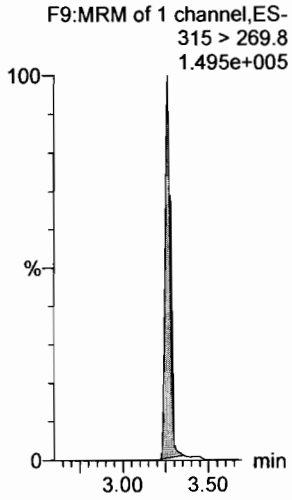


13C2-PFHxA



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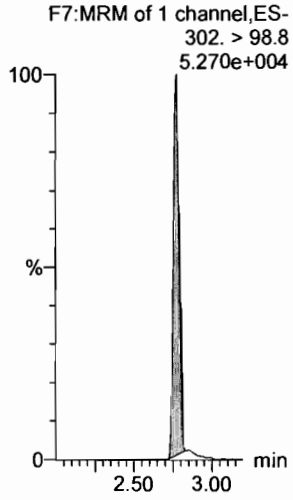

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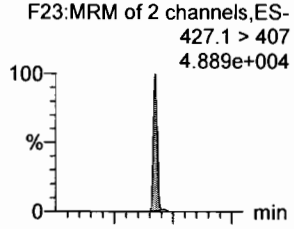
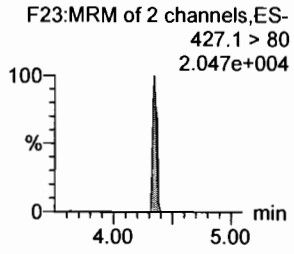
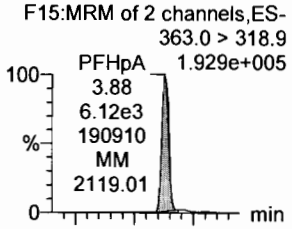
Name: 180227M1_6, Date: 27-Feb-2018, Time: 20:16:34, ID: ST180227M1-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

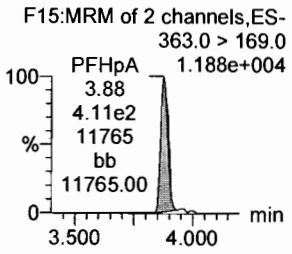
6:2 FTS



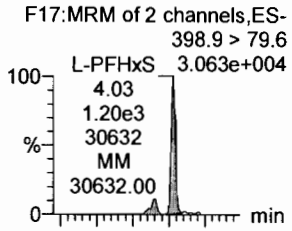


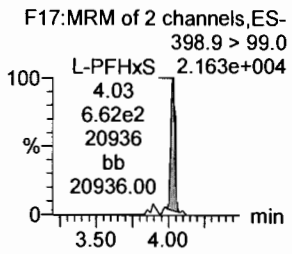
PFHpA



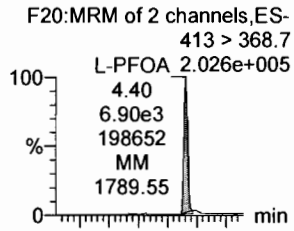


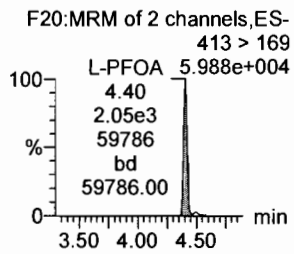
L-PFHxS





L-PFOA





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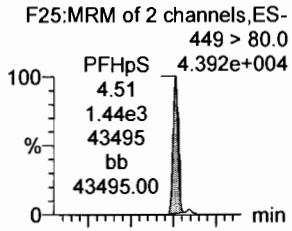

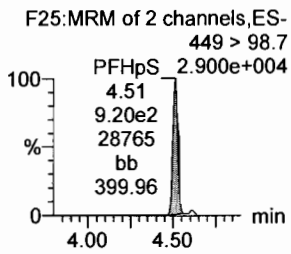

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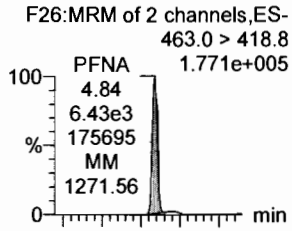
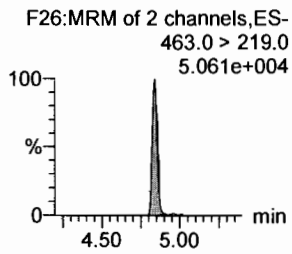
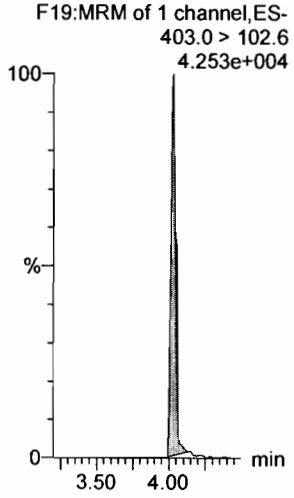
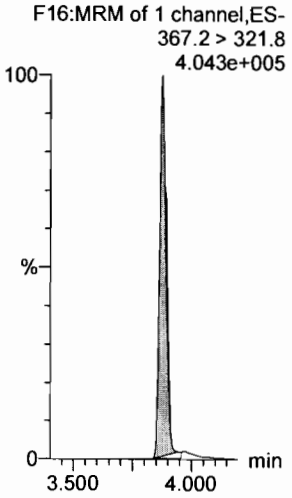




18O2-PFHxS



13C4-PFHpA



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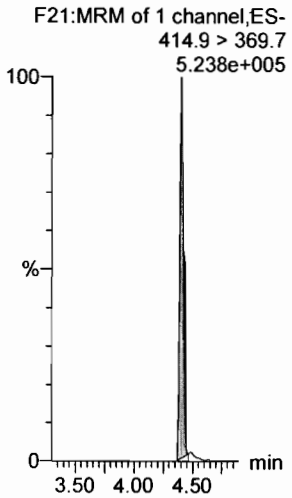

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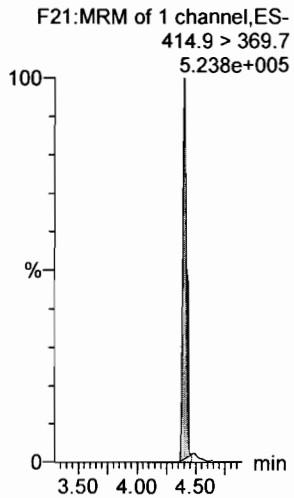

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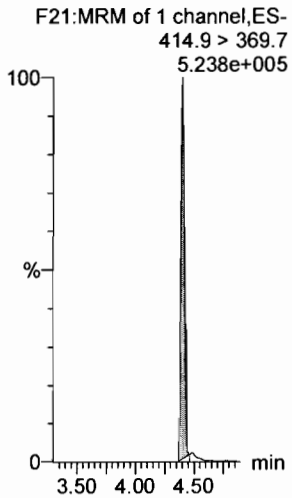
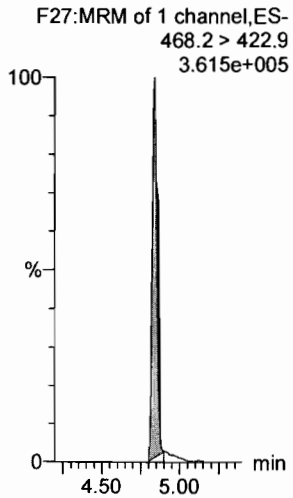


13C5-PFNA



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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_6, Date: 27-Feb-2018, Time: 20:16:34, ID: ST180227M1-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

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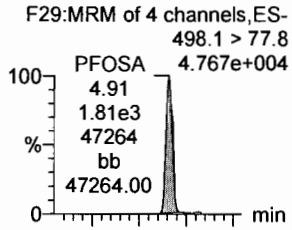
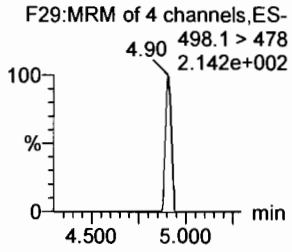
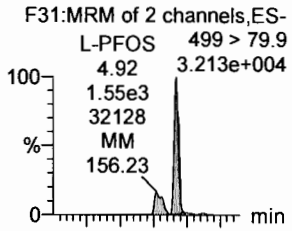
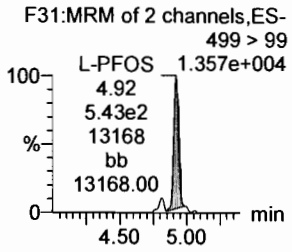




L-PFOS





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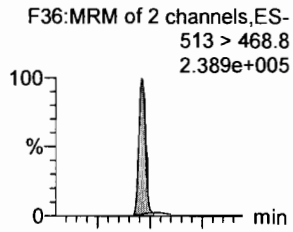
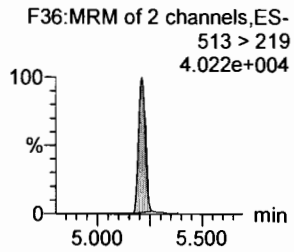
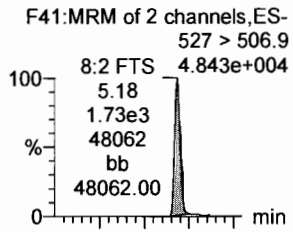
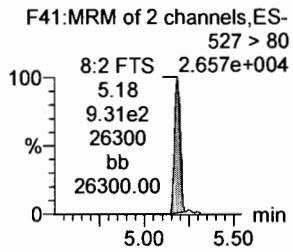




8:2 FTS





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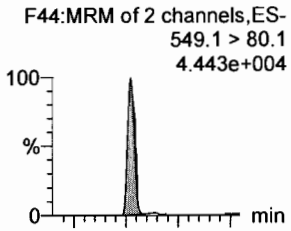
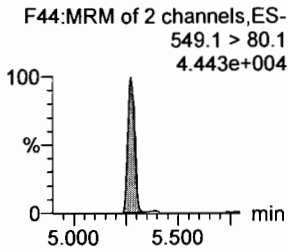
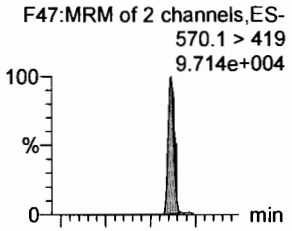
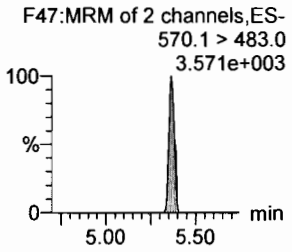




N-MeFOSAA





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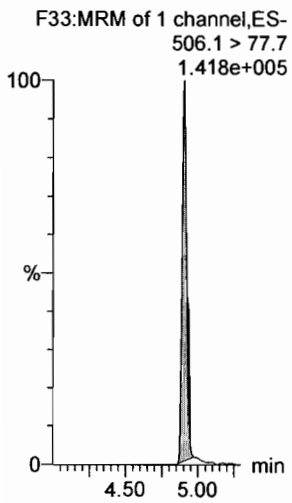
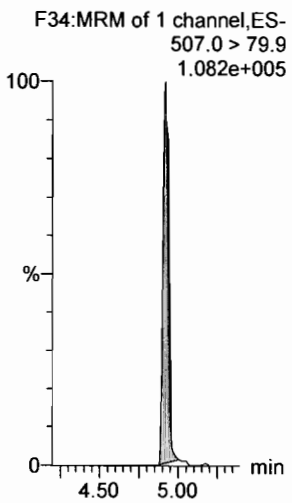


13C8-PFOS



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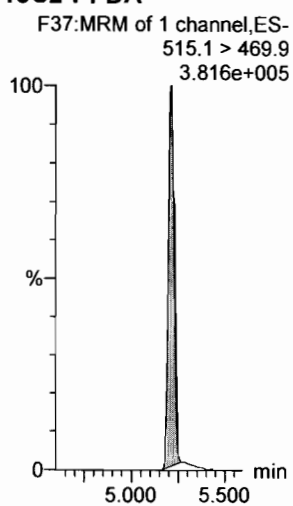

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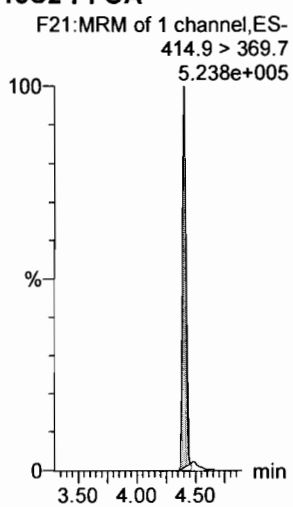

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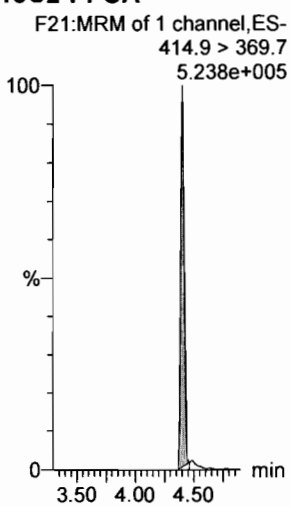
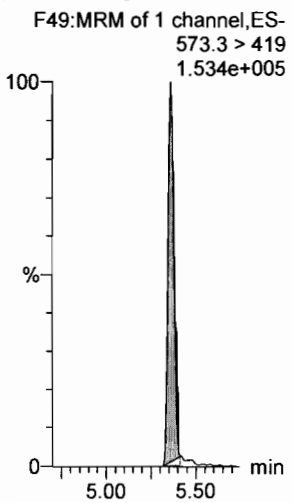


d3-N-MeFOSAA



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Name: 180227M1_6, Date: 27-Feb-2018, Time: 20:16:34, ID: ST180227M1-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

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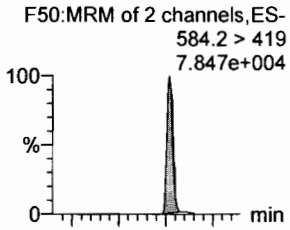
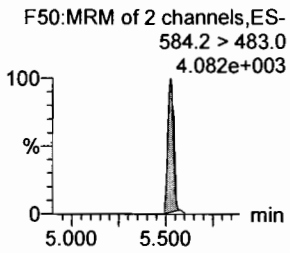
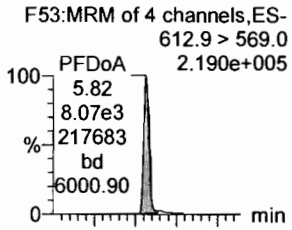
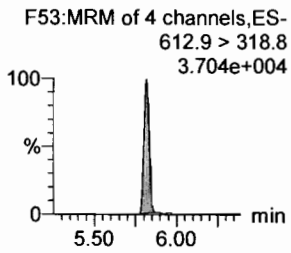




PFDoA





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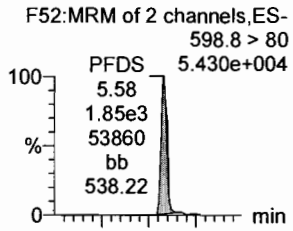

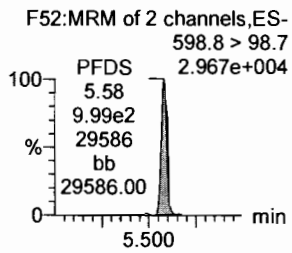

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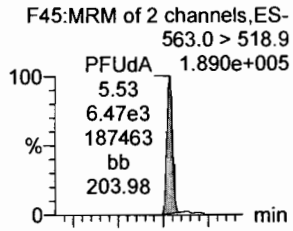

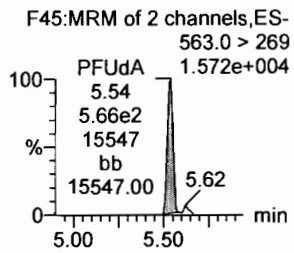

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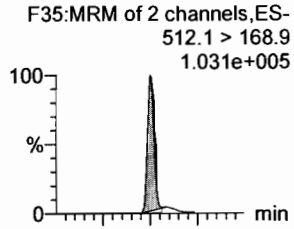

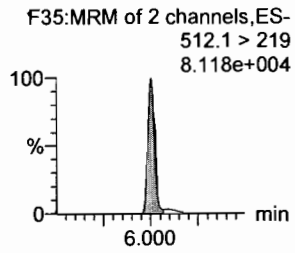

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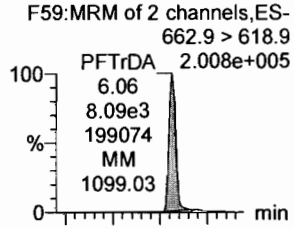
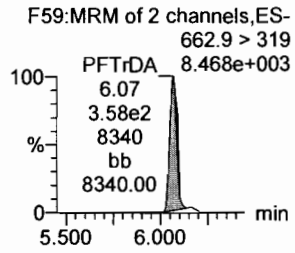
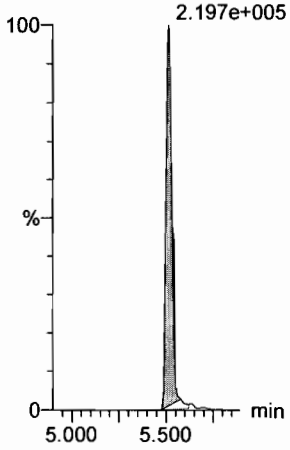
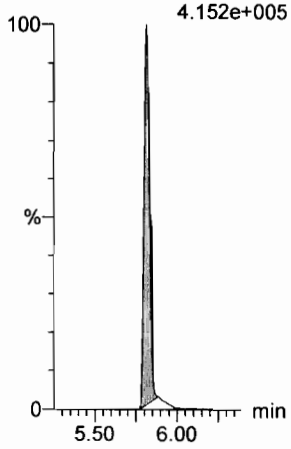




d5-N-EtFOSAA



13C2-PFDoA



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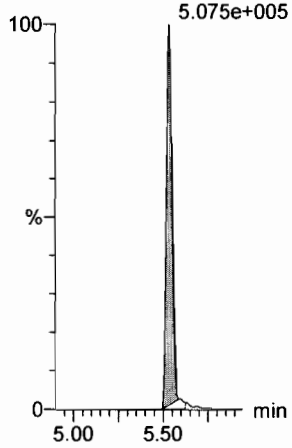

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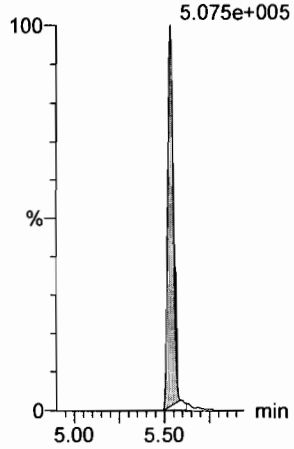

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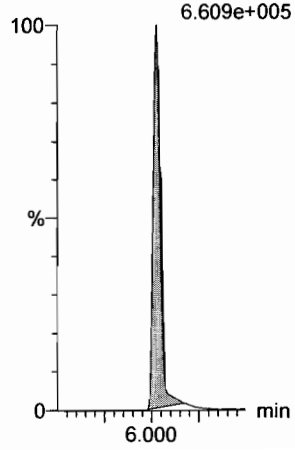

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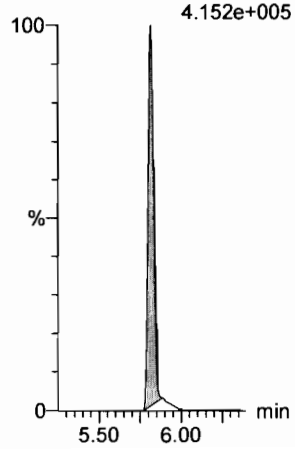

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Name: 180227M1_6, Date: 27-Feb-2018, Time: 20:16:34, ID: ST180227M1-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

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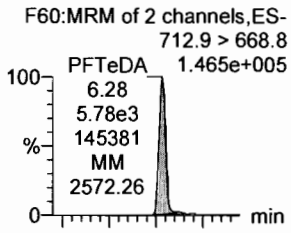

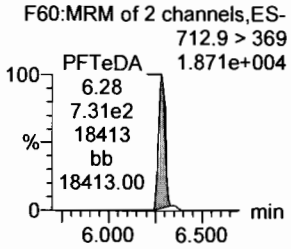

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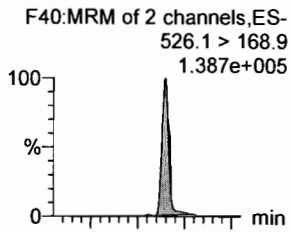
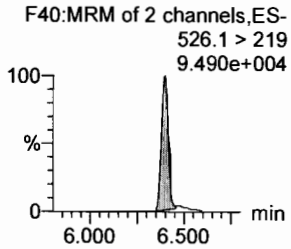
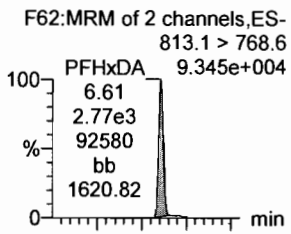
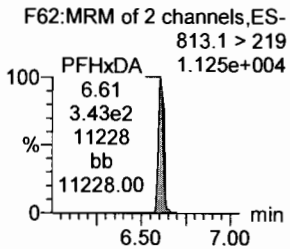


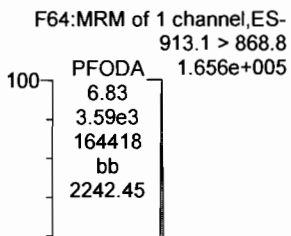


PFHxDA

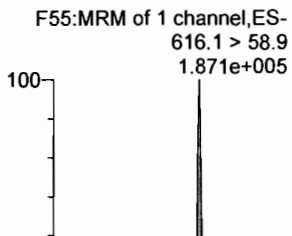




PFODA



N-MeFOSE



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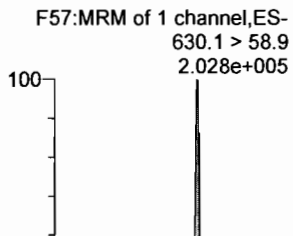
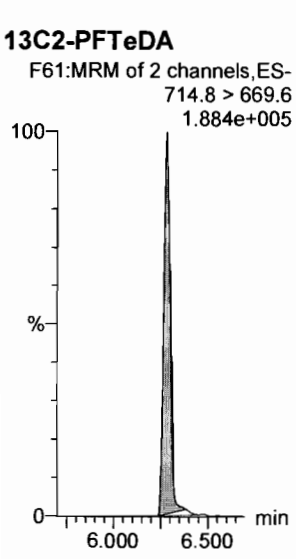
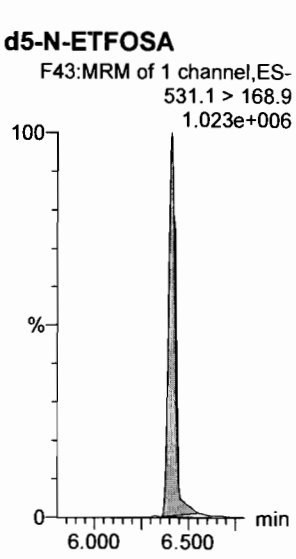


13C2-PFTeDA



d5-N-ETFOSA



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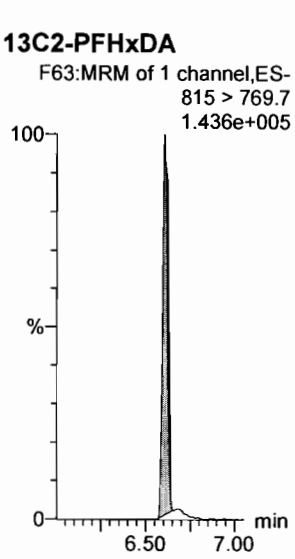

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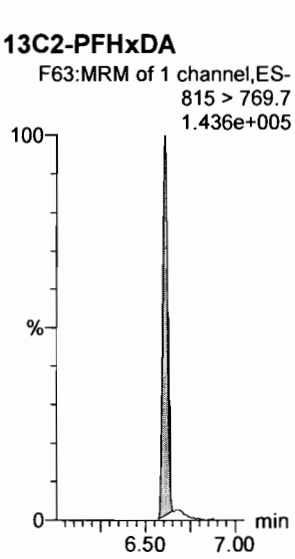

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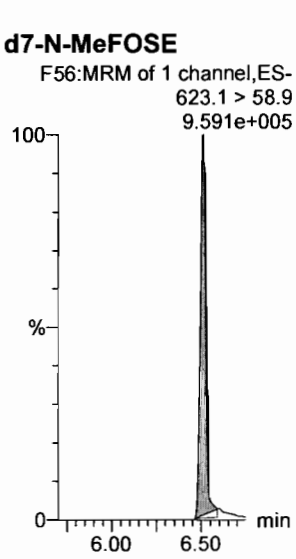

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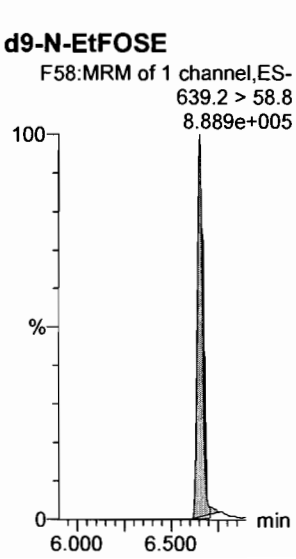

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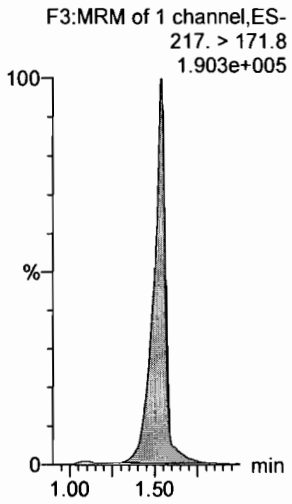
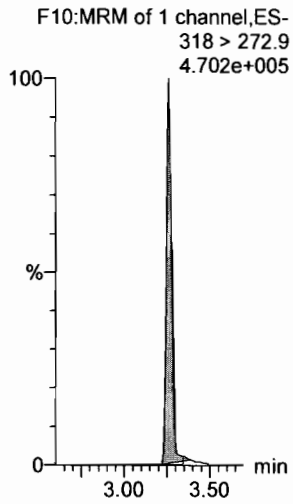
Name: 180227M1_6, Date: 27-Feb-2018, Time: 20:16:34, ID: ST180227M1-5 PFC CS2 18B2316, Description: PFC CS2 18B2316

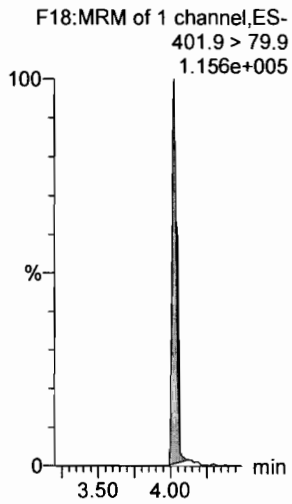
13C4-PFBA



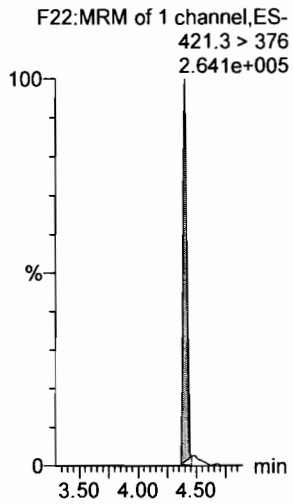
13C5-PFHxA



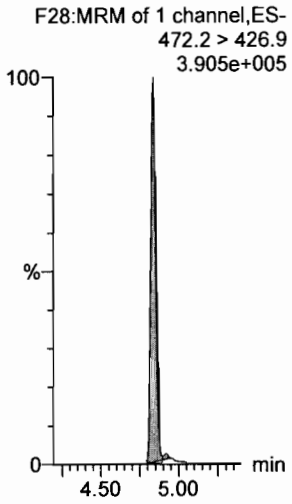
13C3-PFHxS



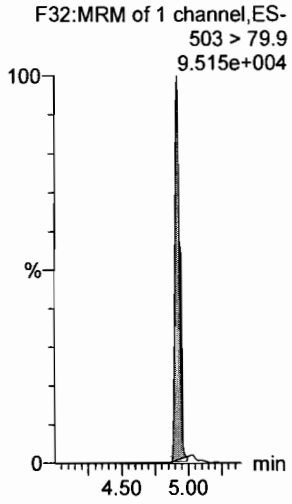
13C8-PFOA



13C9-PFNA



13C4-PFOS



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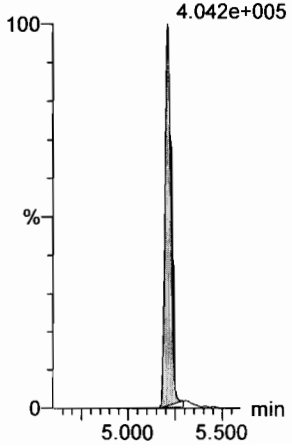
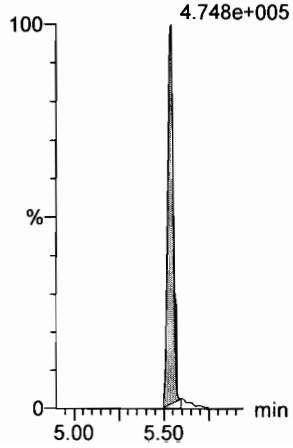


13C7-PFUdA



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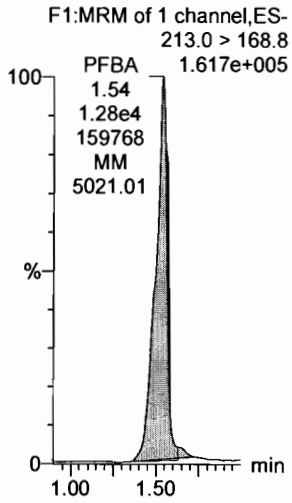
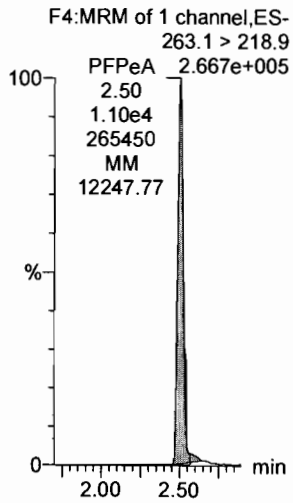
Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_7, Date: 27-Feb-2018, Time: 20:28:00, ID: ST180227M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

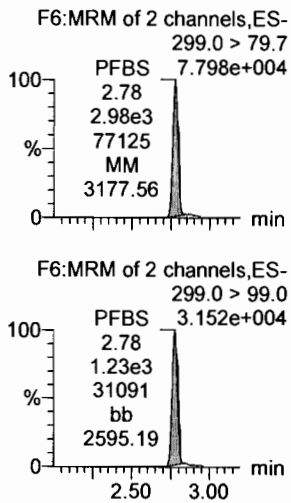
PFBA



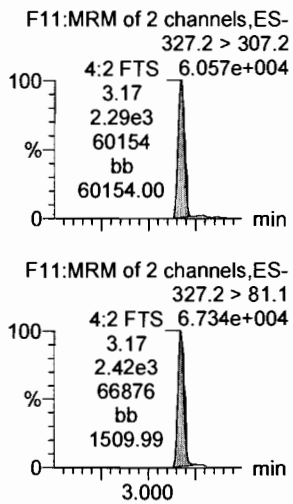
PFPeA



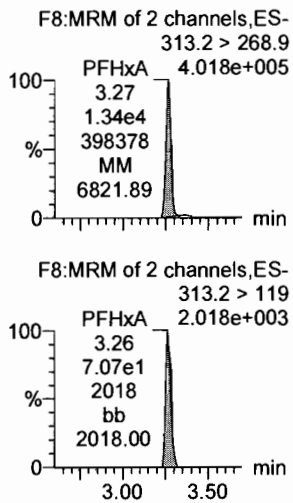
PFBS



4:2 FTS



PFHxA



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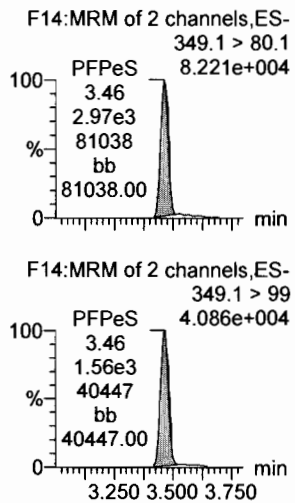
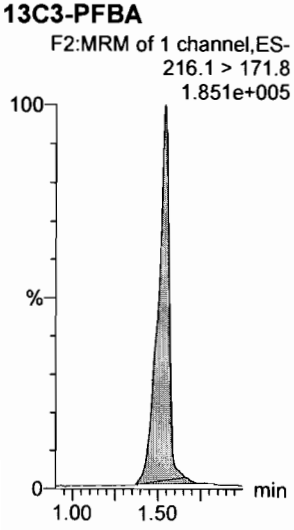
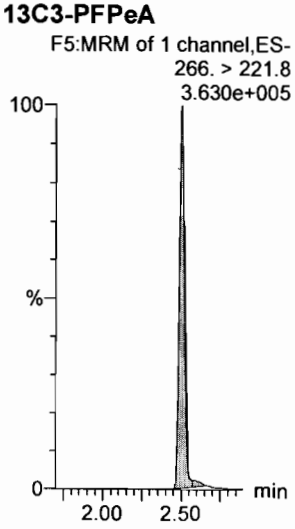


13C3-PFBA



13C3-PFPeA



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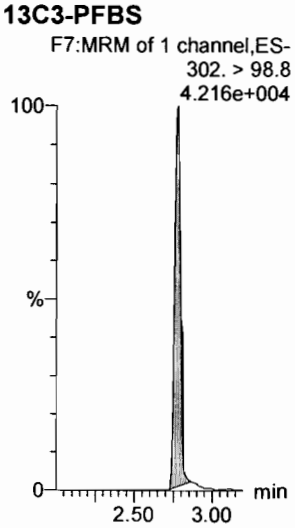

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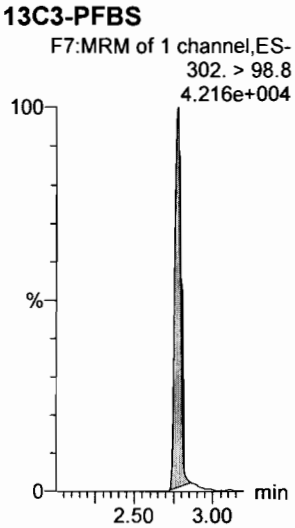
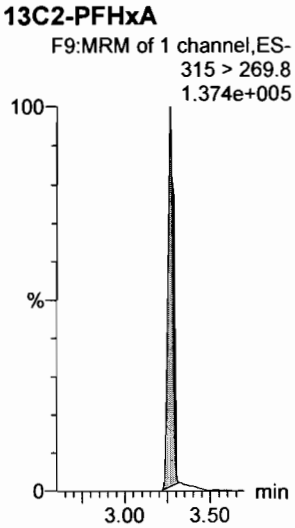
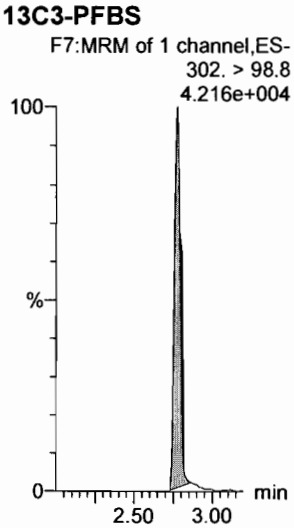


13C2-PFHxA



13C3-PFBS



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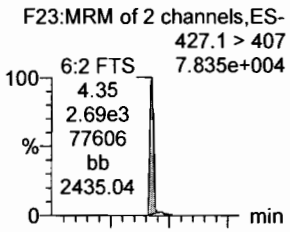
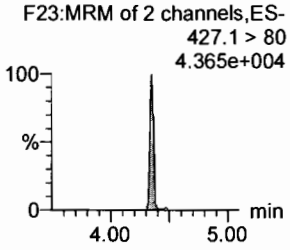
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

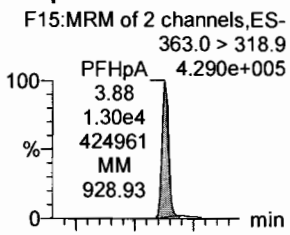
Name: 180227M1_7, Date: 27-Feb-2018, Time: 20:28:00, ID: ST180227M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

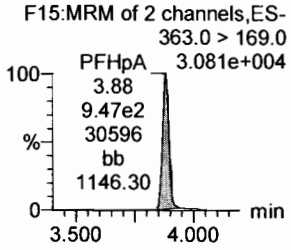
6:2 FTS



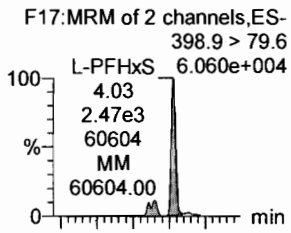


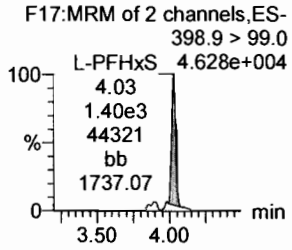
PFHpA



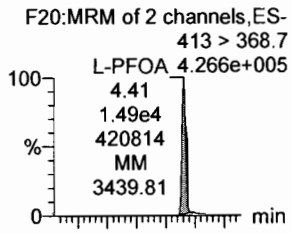


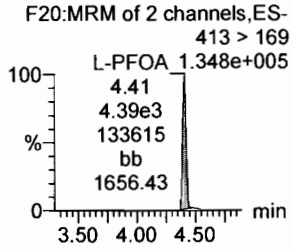
L-PFHxS



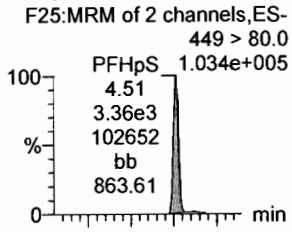


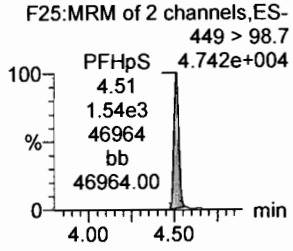
L-PFOA





PFHpS





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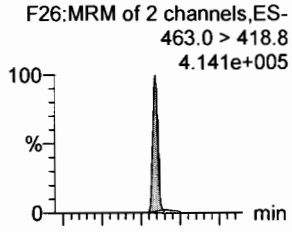
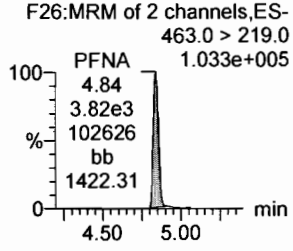
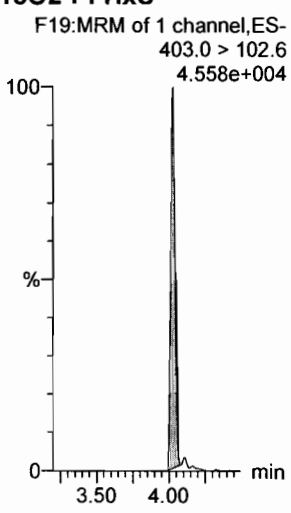
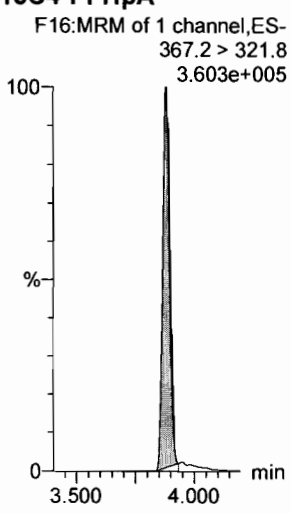




18O2-PFHxS



13C4-PFHpA



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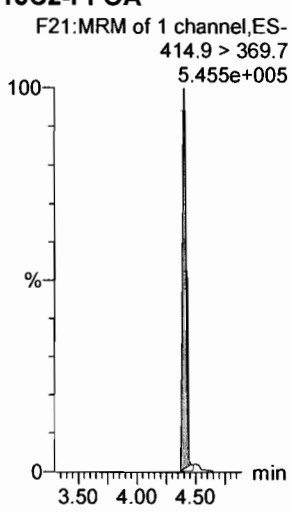

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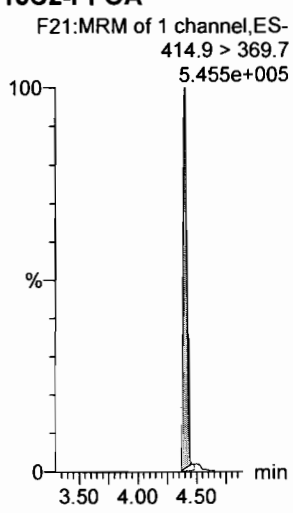

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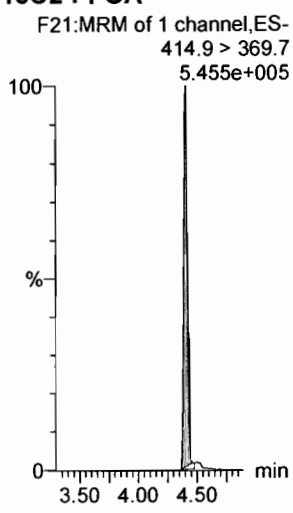
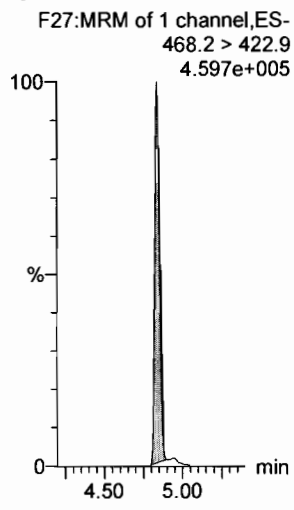


13C5-PFNA



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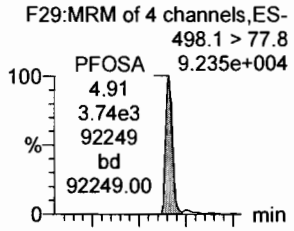
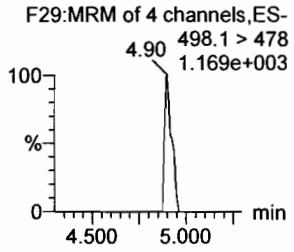
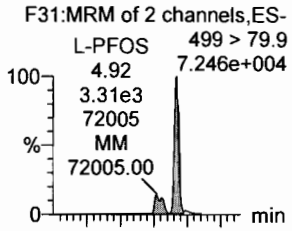
Name: 180227M1_7, Date: 27-Feb-2018, Time: 20:28:00, ID: ST180227M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

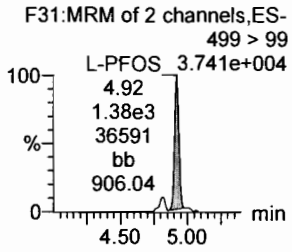
PFOSA



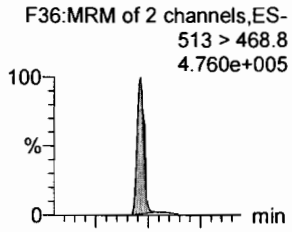


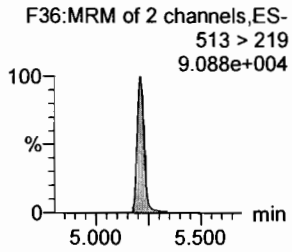
L-PFOS



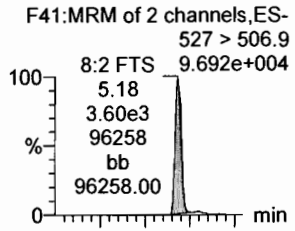


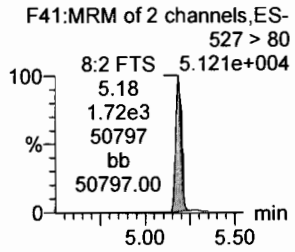
PFDA





8:2 FTS





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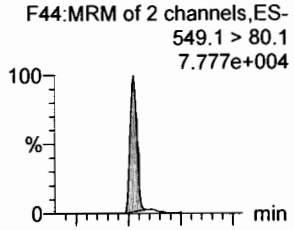
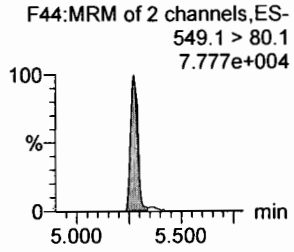
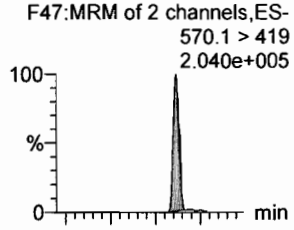
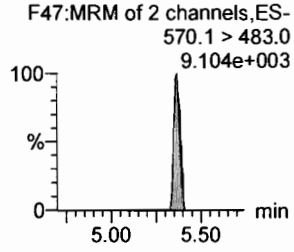


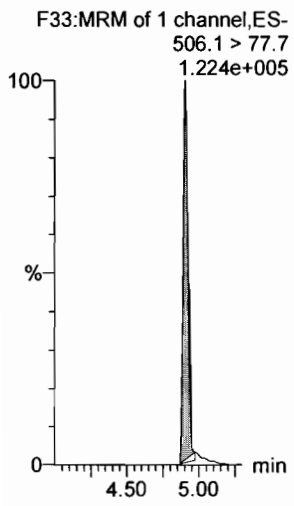


N-MeFOSAA





13C8-PFOSA



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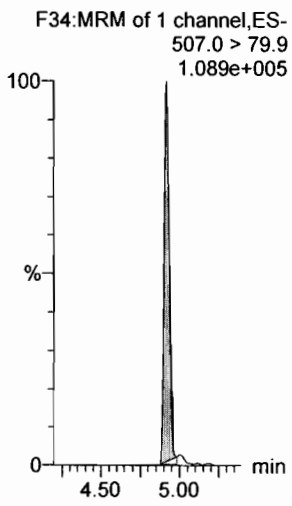

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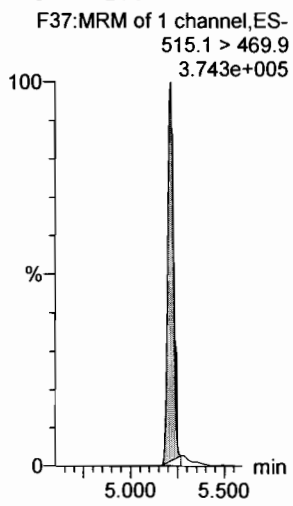
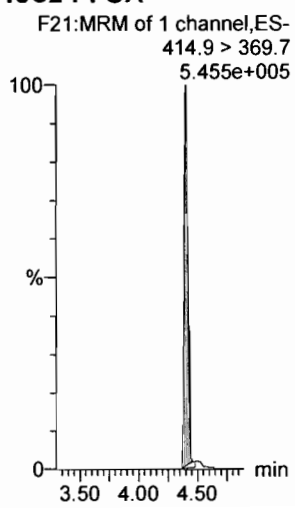
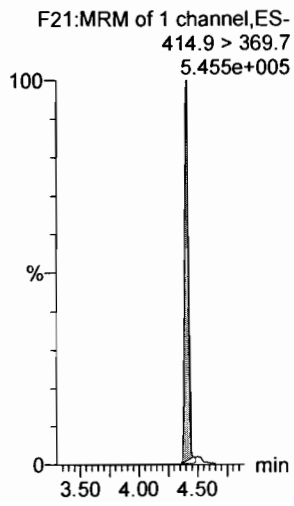


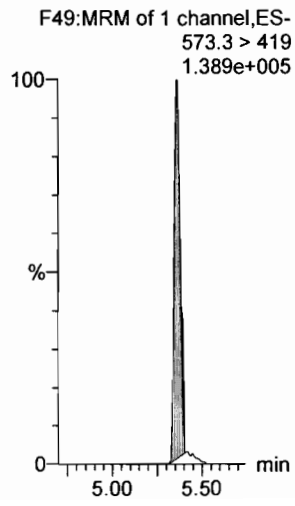
13C2-PFOA



13C2-PFOA



d3-N-MeFOSAA



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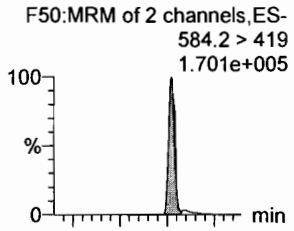
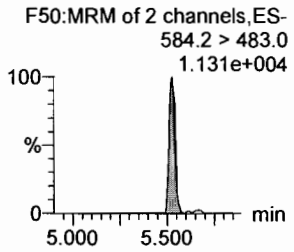
Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_7, Date: 27-Feb-2018, Time: 20:28:00, ID: ST180227M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

N-EtFOSAA





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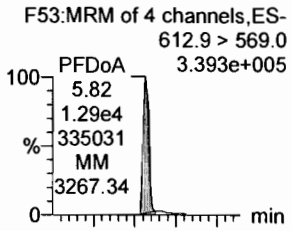

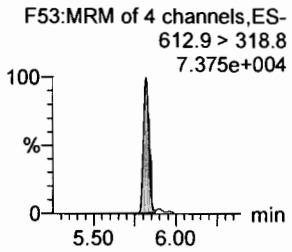

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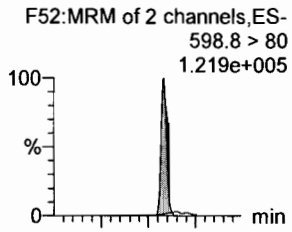

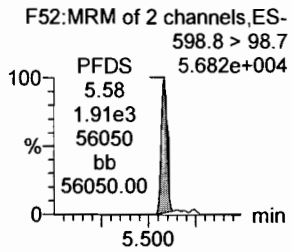

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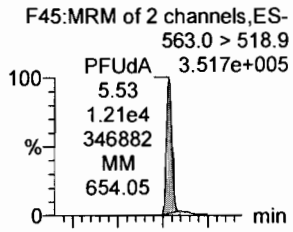

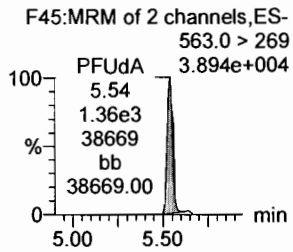

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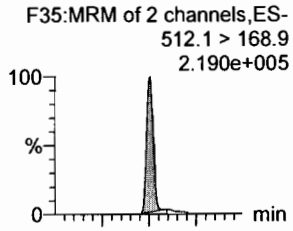

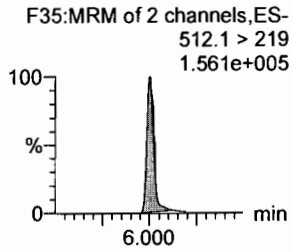

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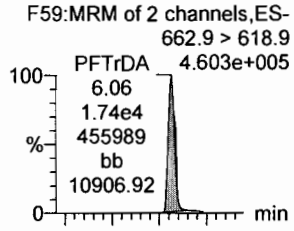

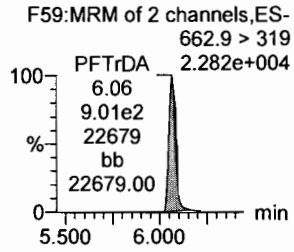

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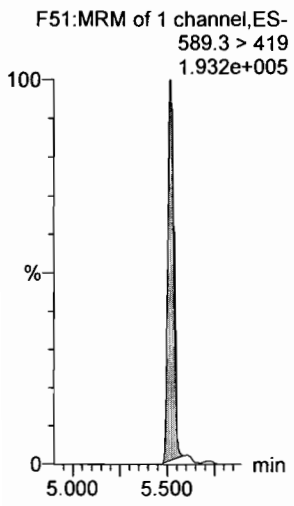

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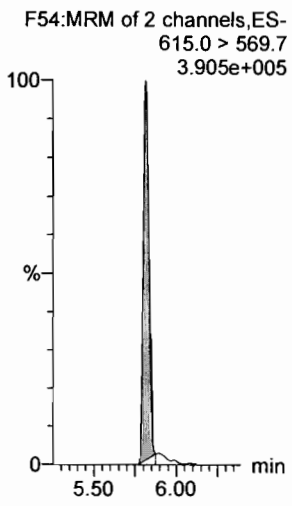

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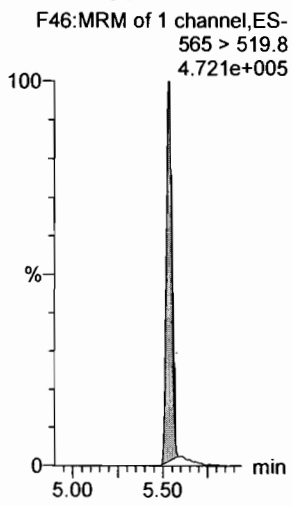

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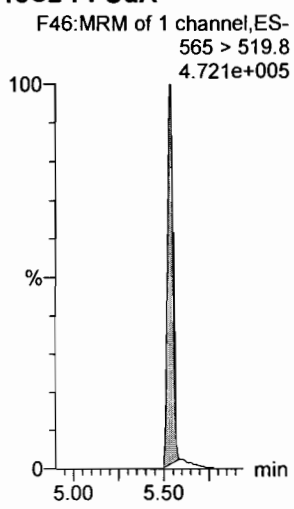

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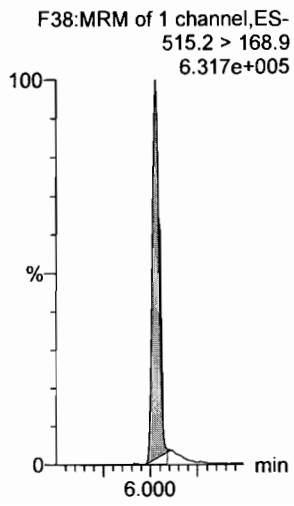

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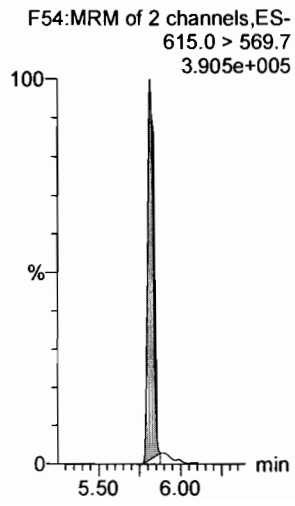

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Name: 180227M1_7, Date: 27-Feb-2018, Time: 20:28:00, ID: ST180227M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

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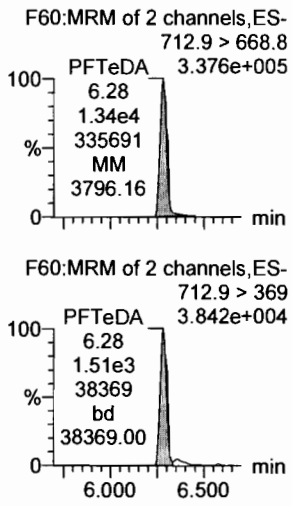

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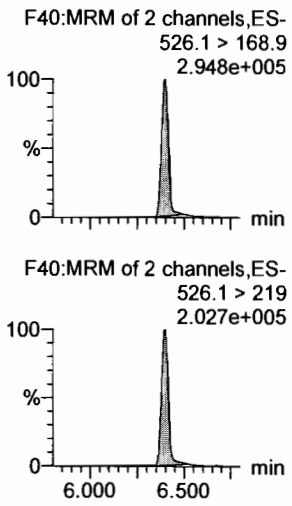

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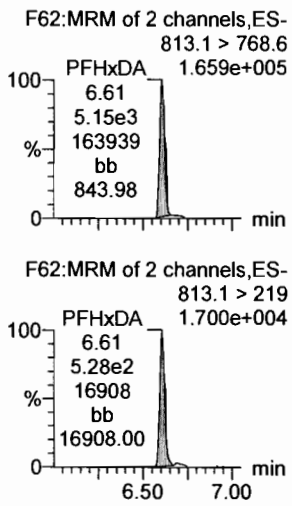

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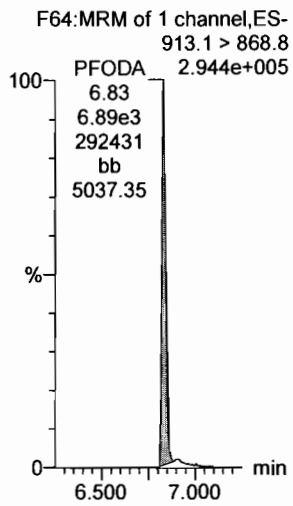

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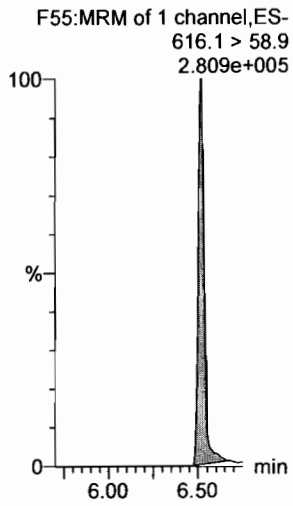

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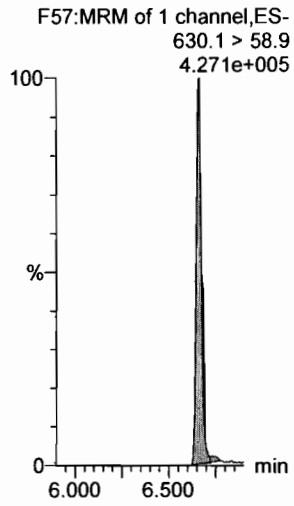

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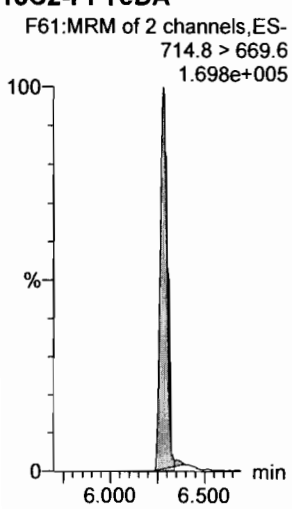

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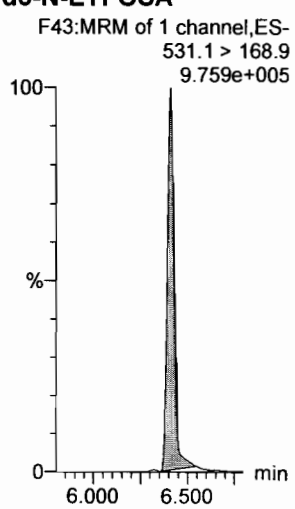

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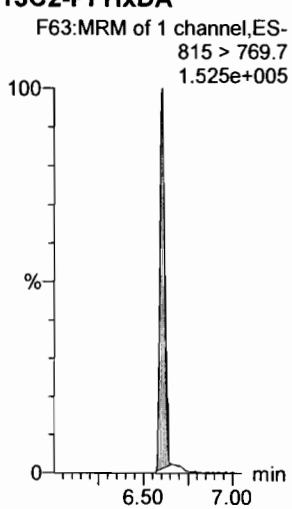

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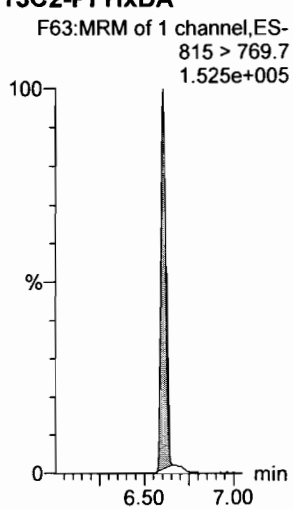

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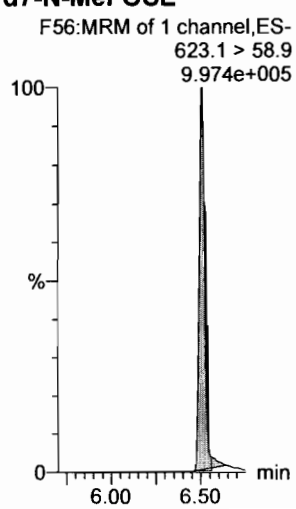
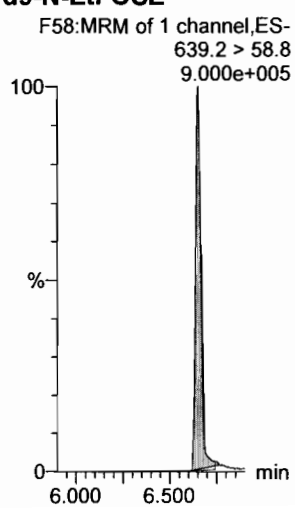


d9-N-EtFOSE



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Name: 180227M1_7, Date: 27-Feb-2018, Time: 20:28:00, ID: ST180227M1-6 PFC CS3 18B2317, Description: PFC CS3 18B2317

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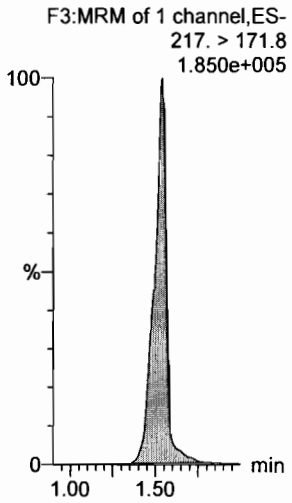

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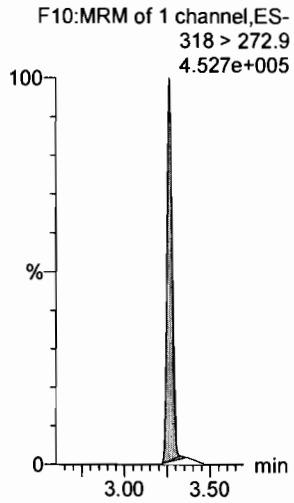

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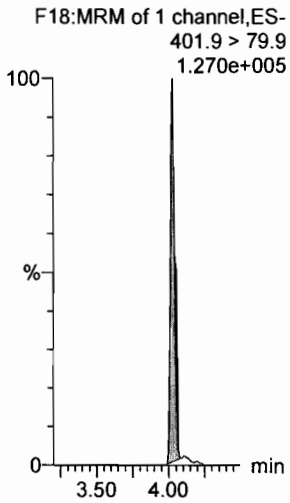

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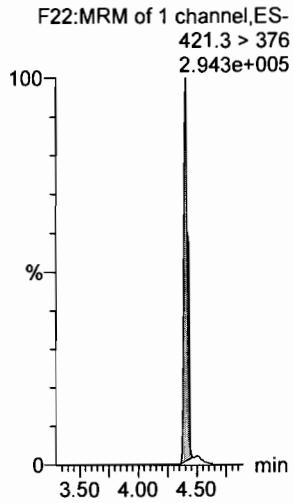

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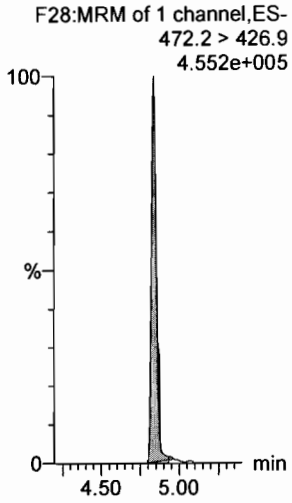

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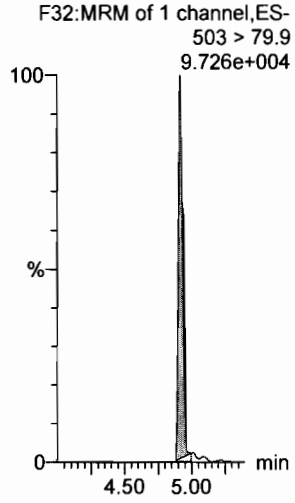

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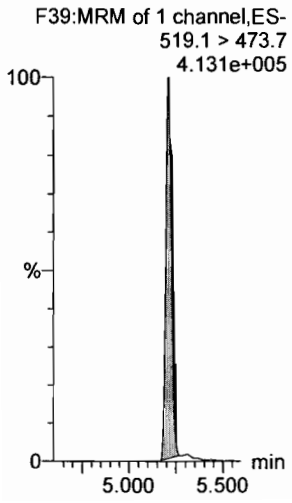

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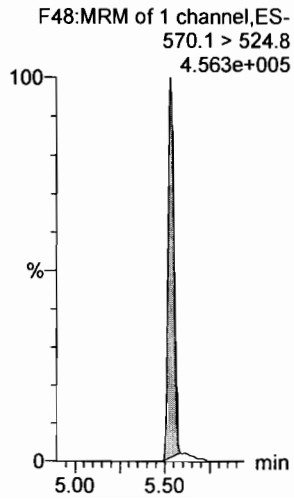

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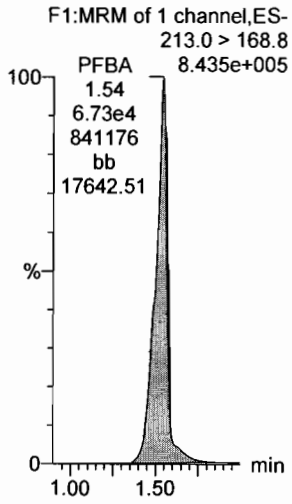
Name: 180227M1_8, Date: 27-Feb-2018, Time: 20:39:30, ID: ST180227M1-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

PFBA



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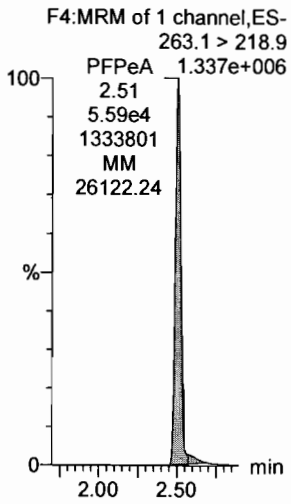

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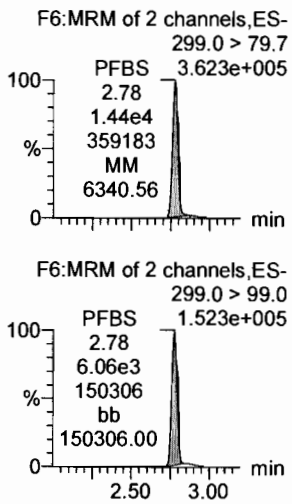

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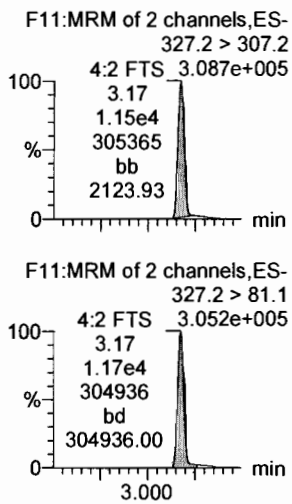

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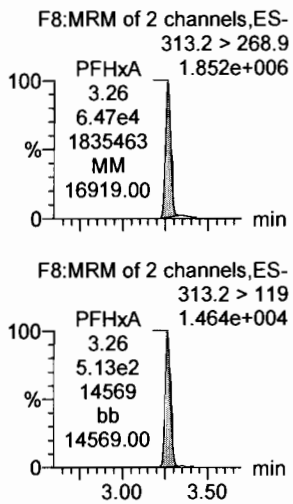

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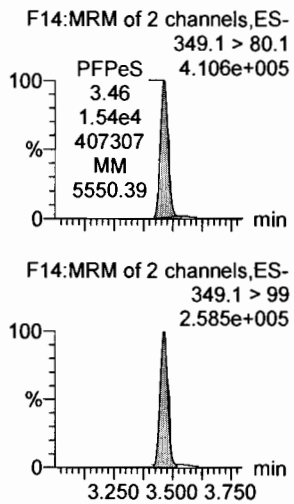

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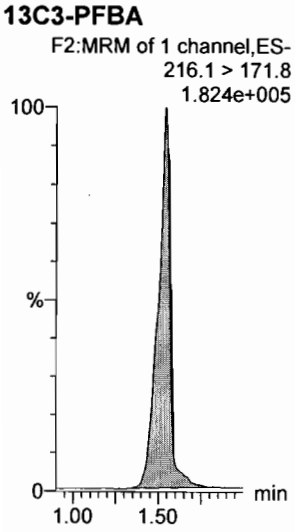

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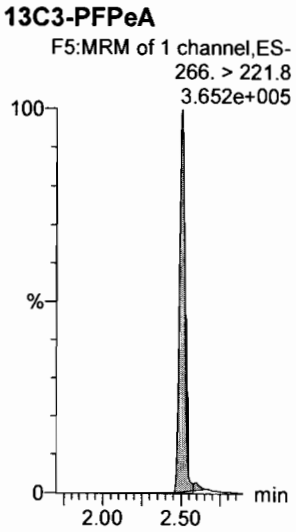

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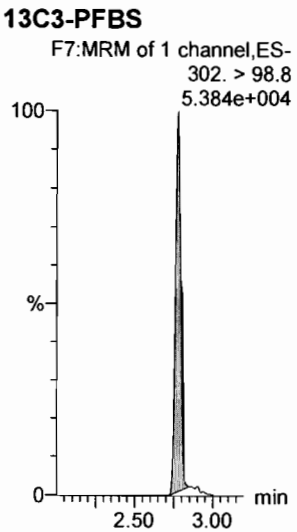

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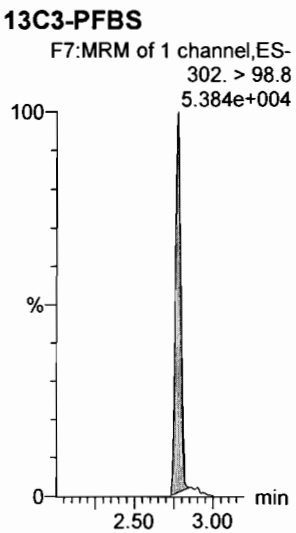

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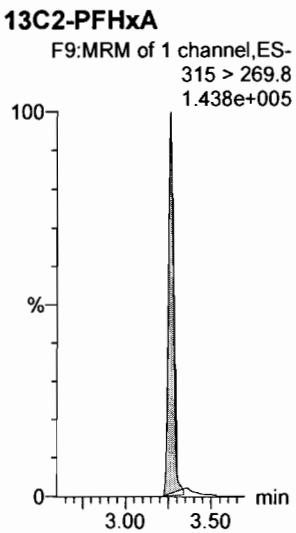

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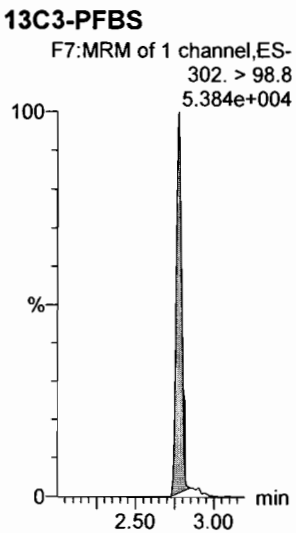

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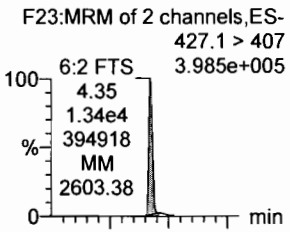
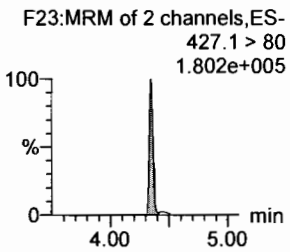
Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_8, Date: 27-Feb-2018, Time: 20:39:30, ID: ST180227M1-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

6:2 FTS





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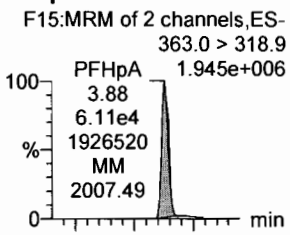

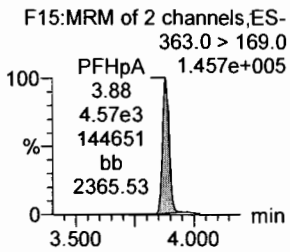

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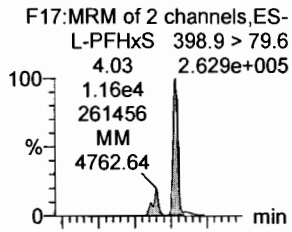

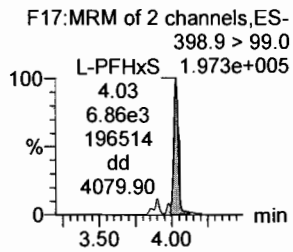

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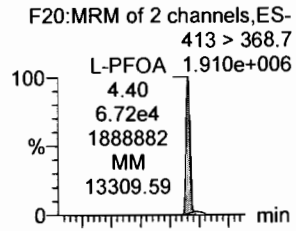

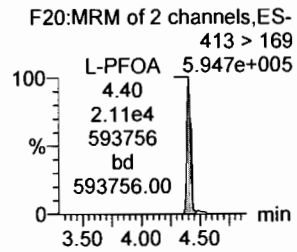

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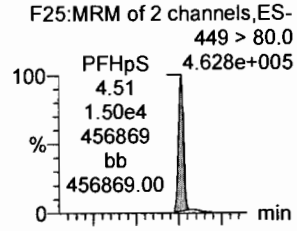

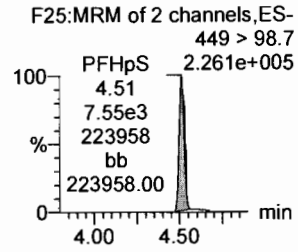

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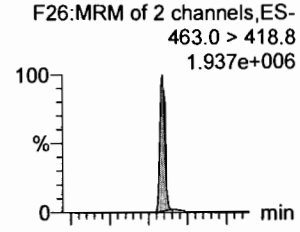

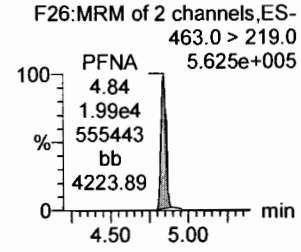

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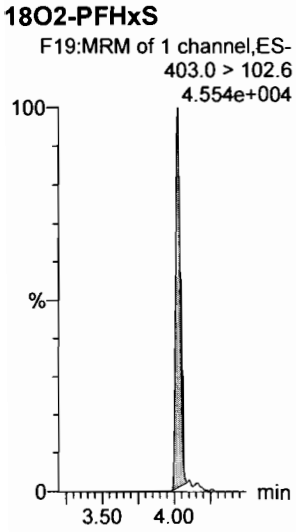

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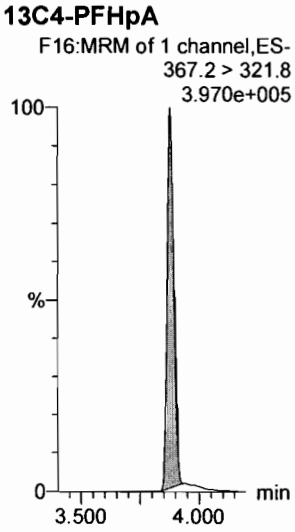

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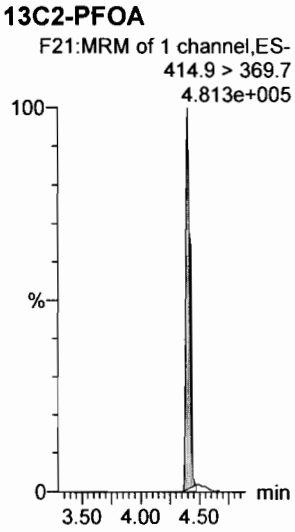

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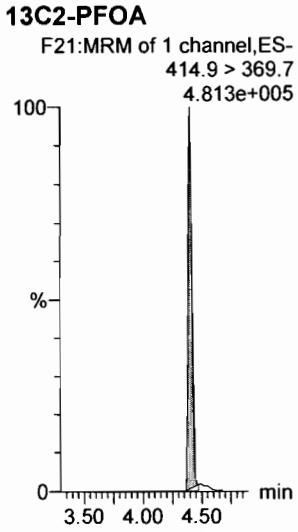

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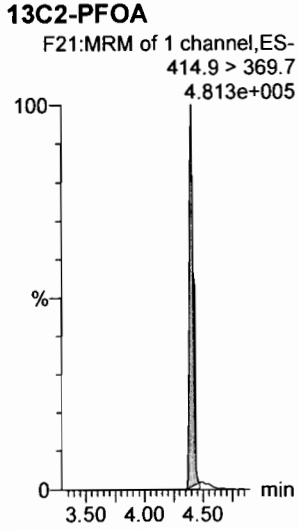

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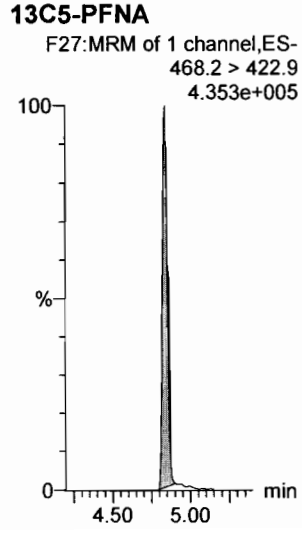

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Name: 180227M1_8, Date: 27-Feb-2018, Time: 20:39:30, ID: ST180227M1-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

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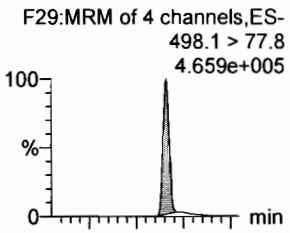

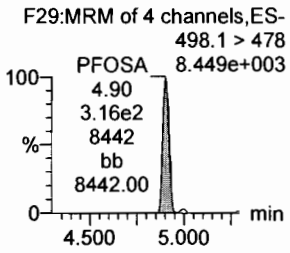

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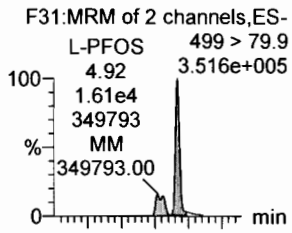

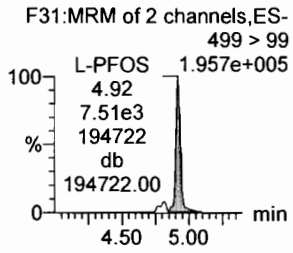

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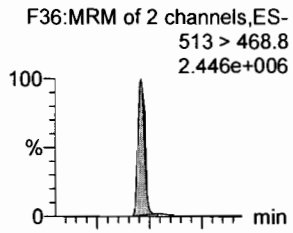

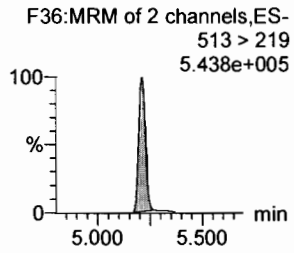

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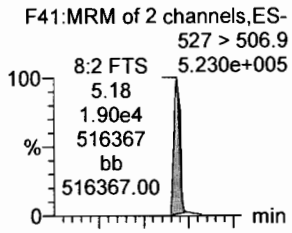

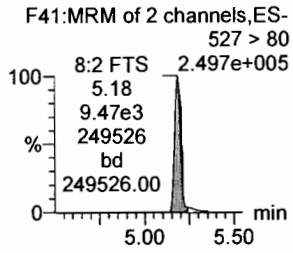

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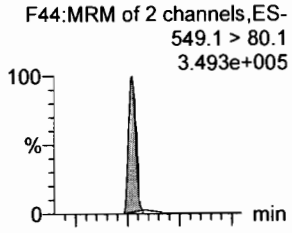

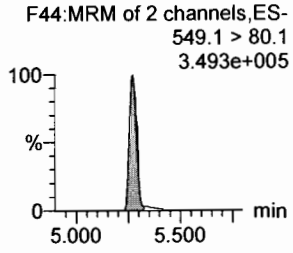

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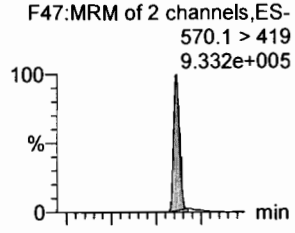

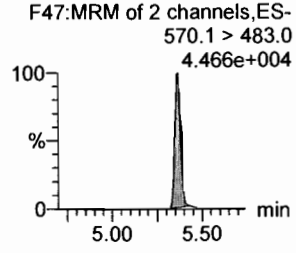

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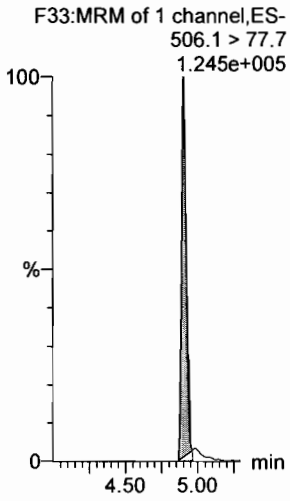

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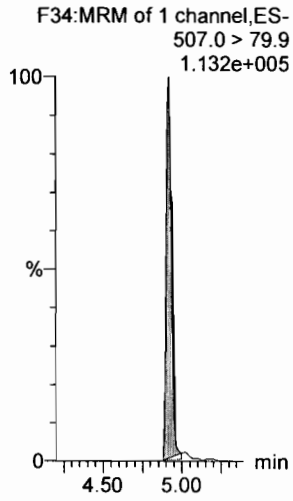

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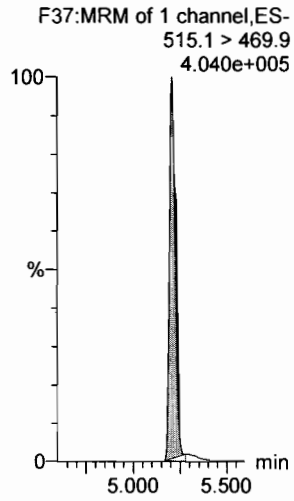

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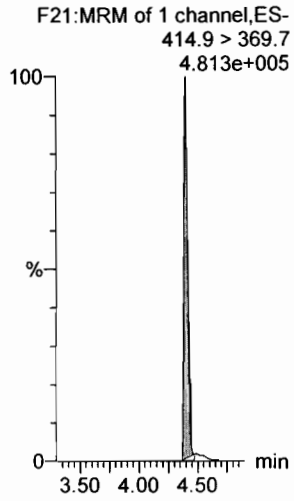

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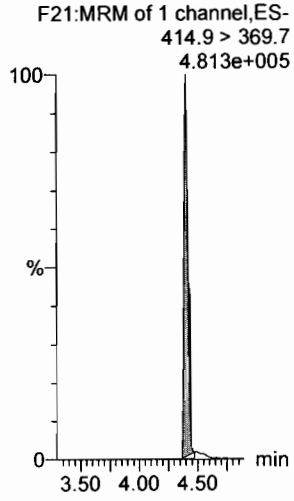

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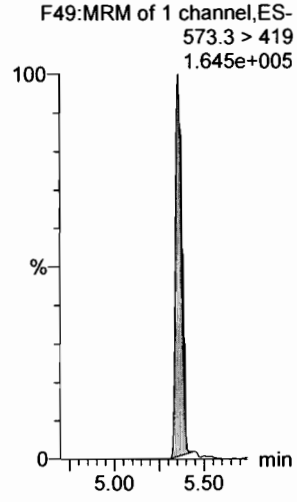

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Name: 180227M1_8, Date: 27-Feb-2018, Time: 20:39:30, ID: ST180227M1-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

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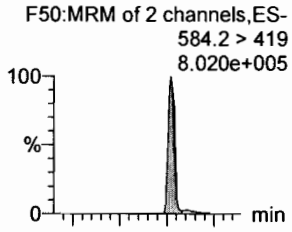

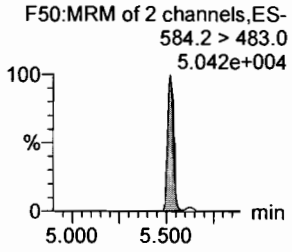

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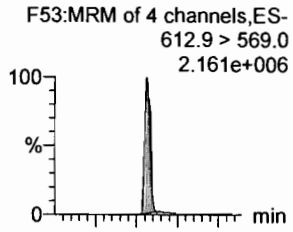

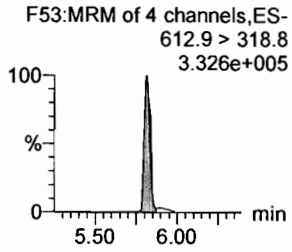

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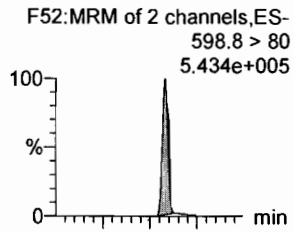

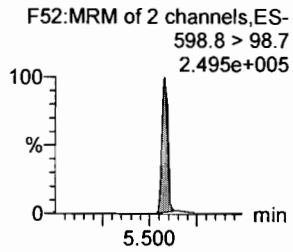

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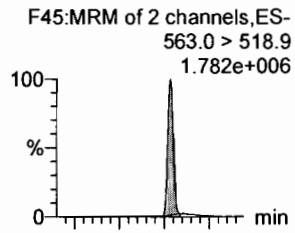

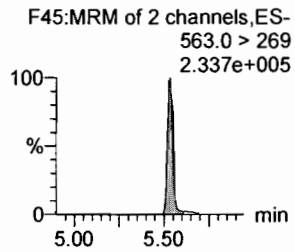

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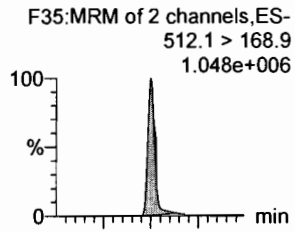

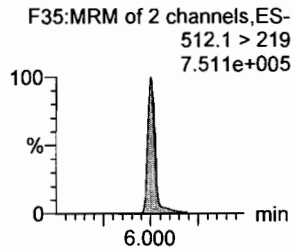

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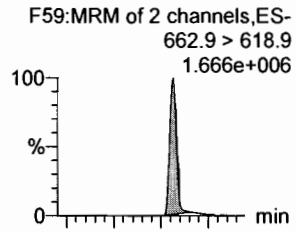

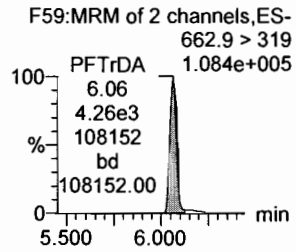

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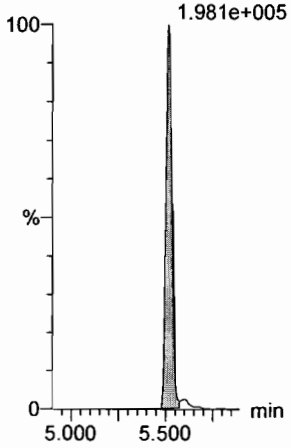

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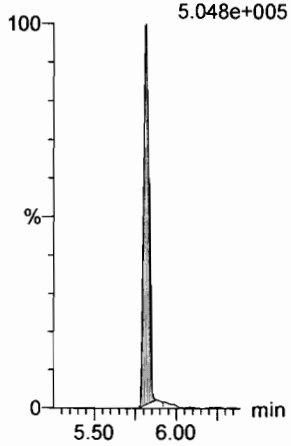

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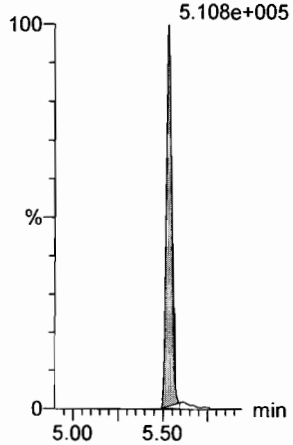

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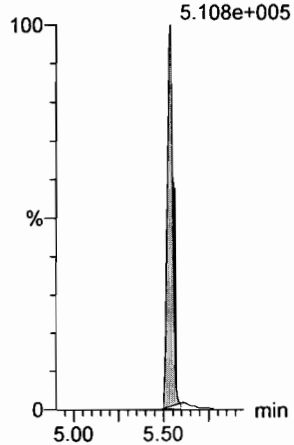

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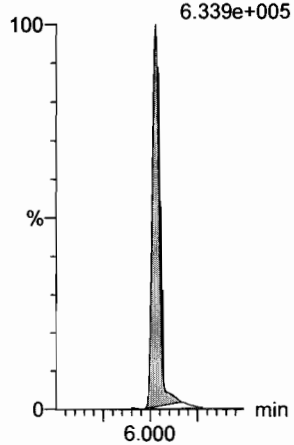

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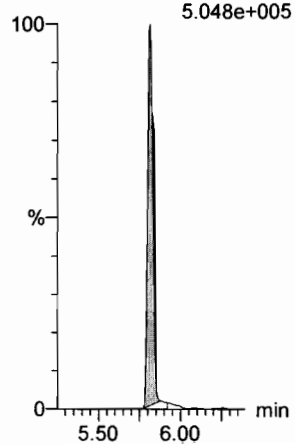

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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_8, Date: 27-Feb-2018, Time: 20:39:30, ID: ST180227M1-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

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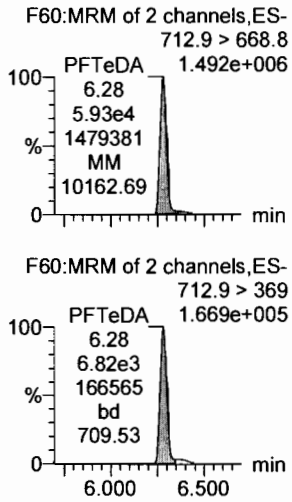
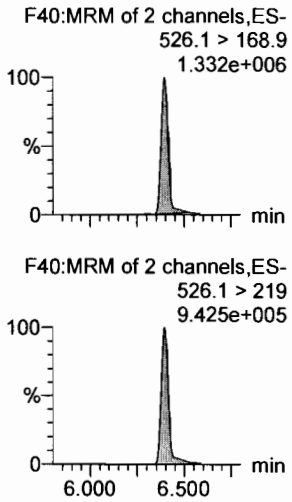


N-EtFOSA



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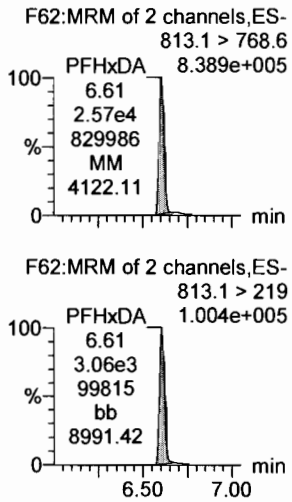

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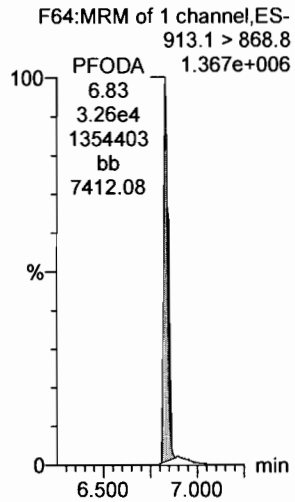

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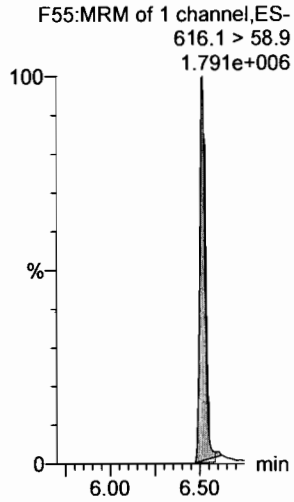

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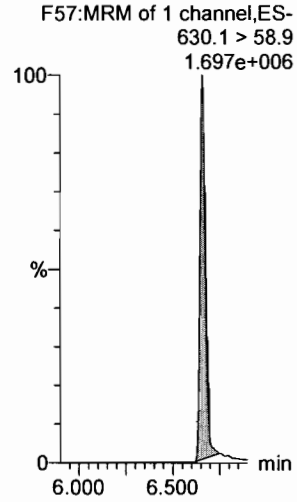

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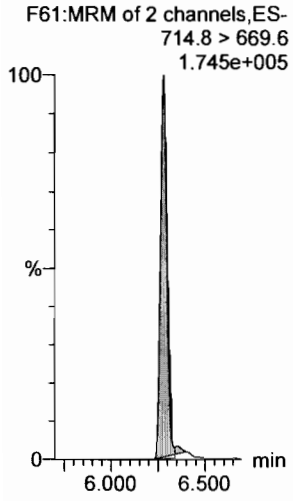
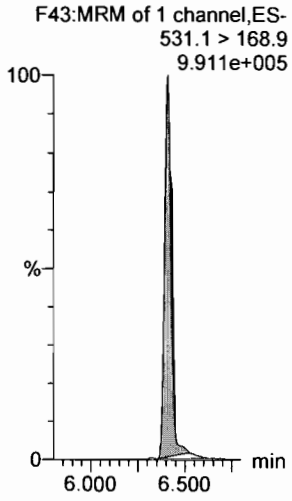


d5-N-ETFOSA



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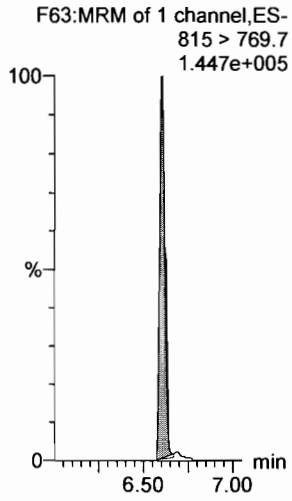

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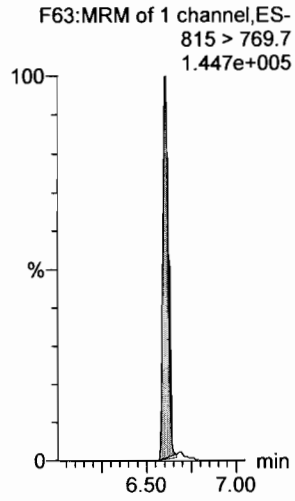

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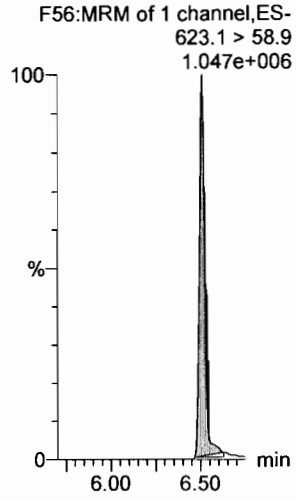

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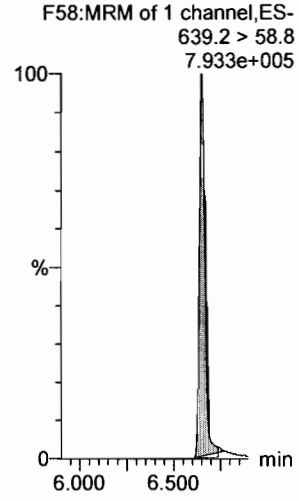

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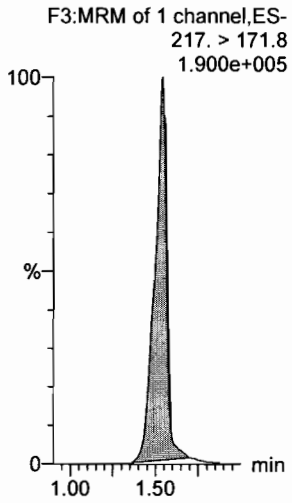
Name: 180227M1_8, Date: 27-Feb-2018, Time: 20:39:30, ID: ST180227M1-7 PFC CS4 18B2318, Description: PFC CS4 18B2318

13C4-PFBA



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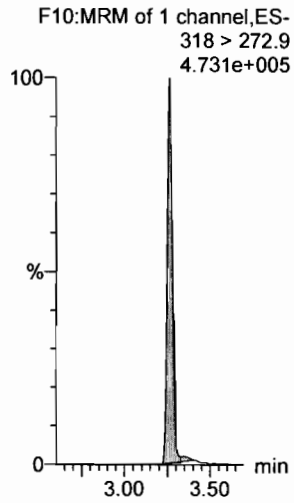

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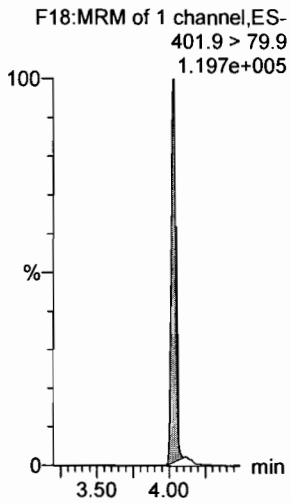

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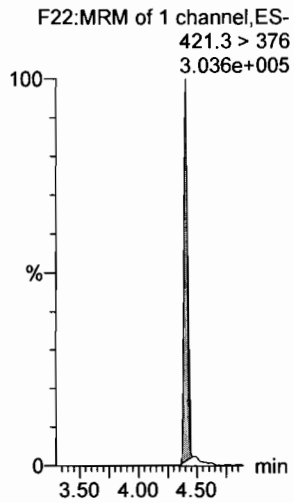

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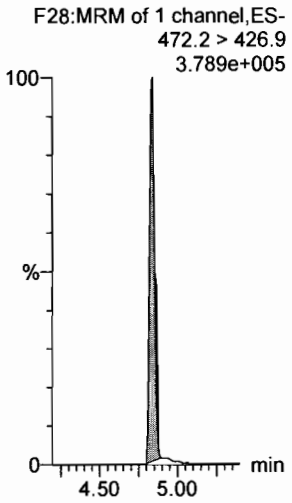

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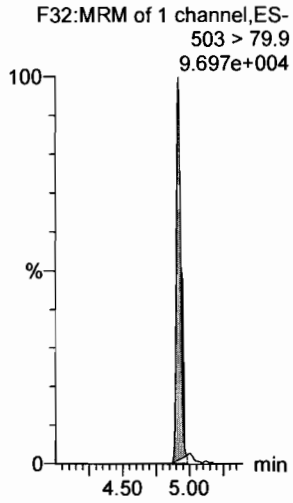

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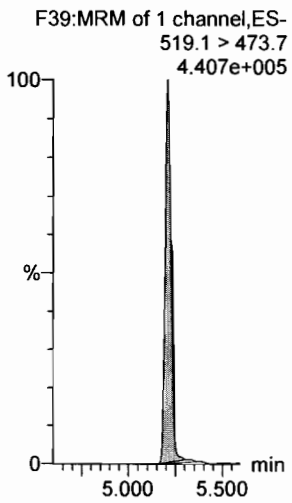

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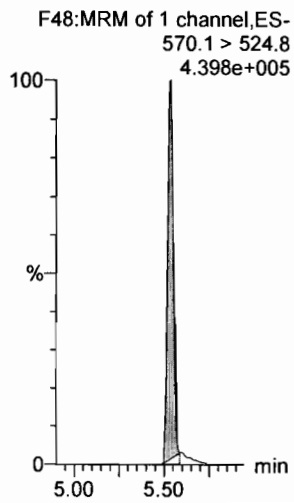

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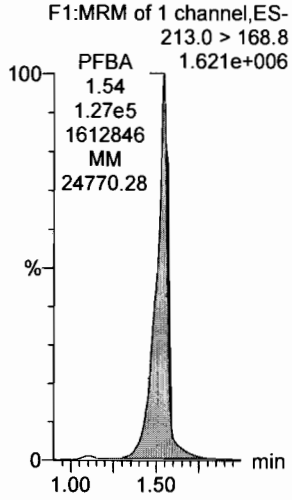
Name: 180227M1_9, Date: 27-Feb-2018, Time: 20:51:00, ID: ST180227M1-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

PFBA



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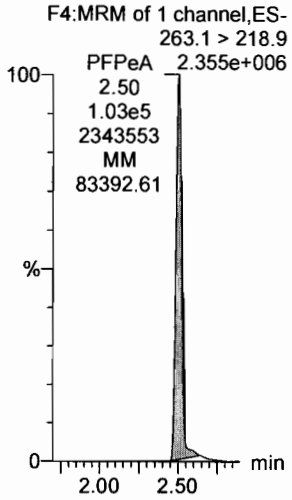

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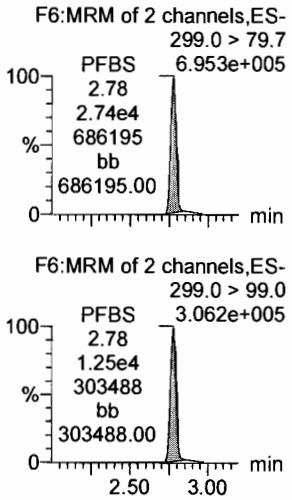
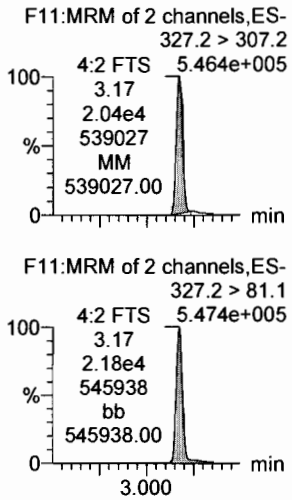


4:2 FTS



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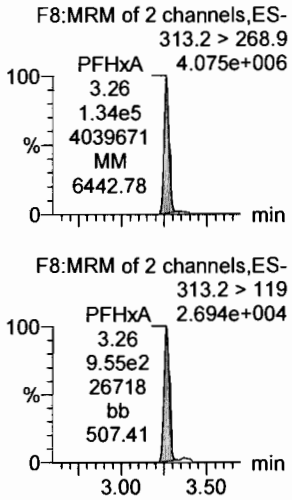

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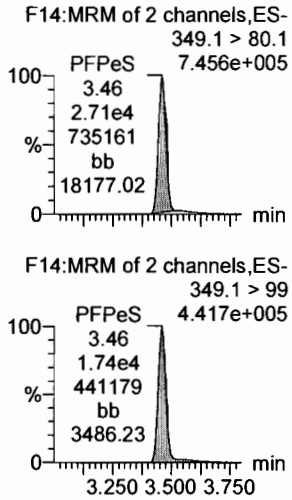

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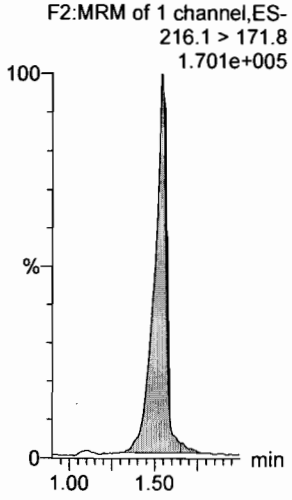

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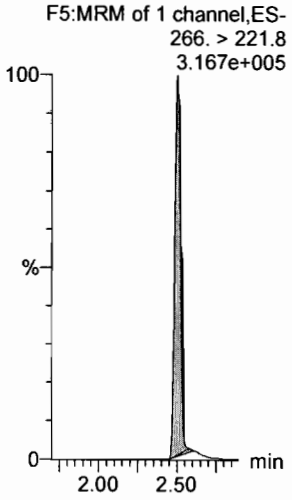

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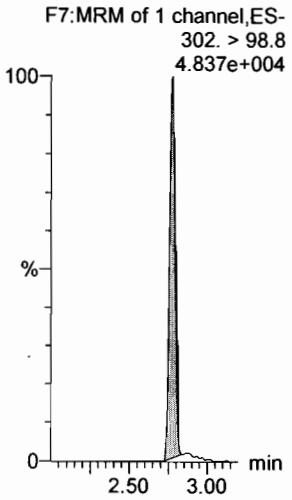

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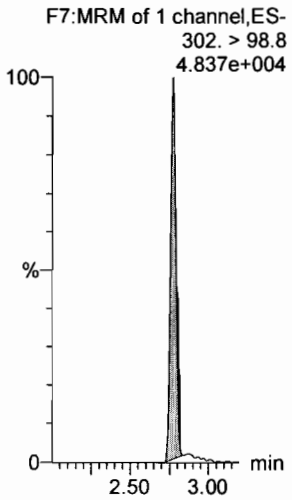

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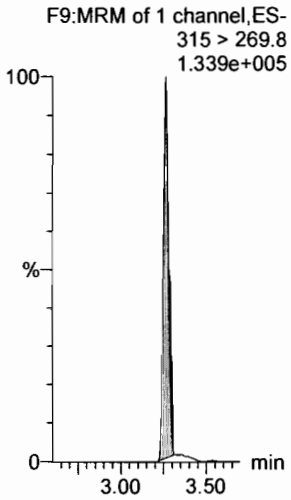

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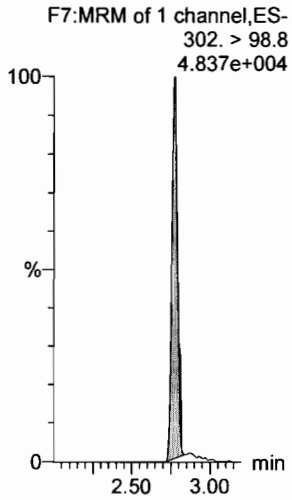

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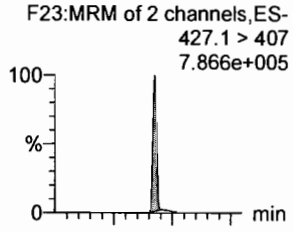
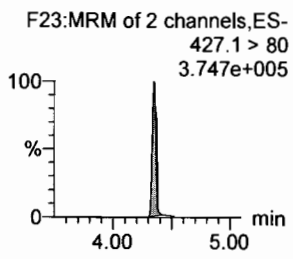
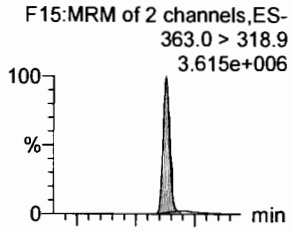
Name: 180227M1_9, Date: 27-Feb-2018, Time: 20:51:00, ID: ST180227M1-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

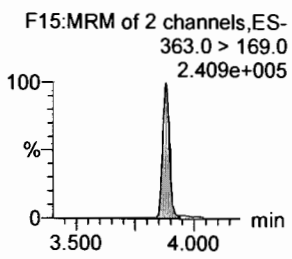
6:2 FTS



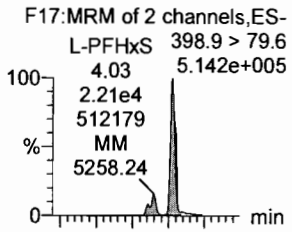


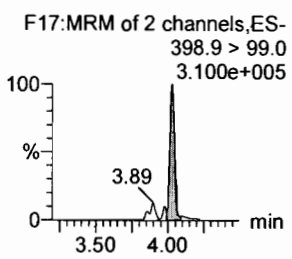
PFHpA





L-PFHxS





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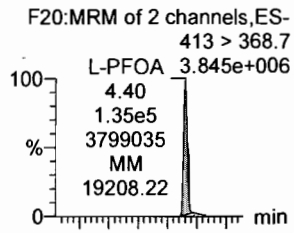

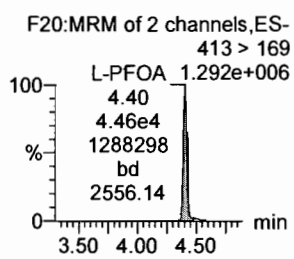

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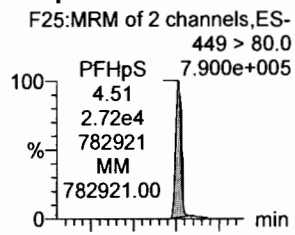

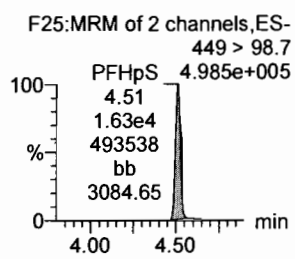

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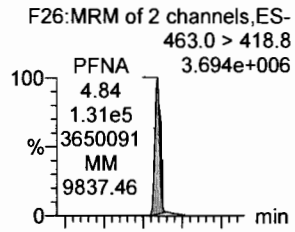

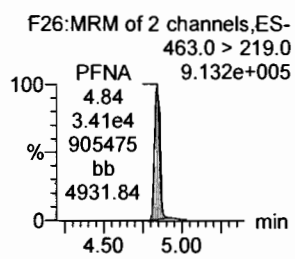

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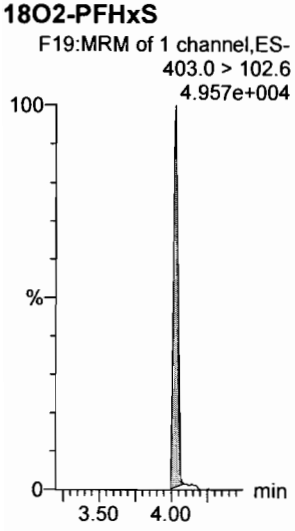

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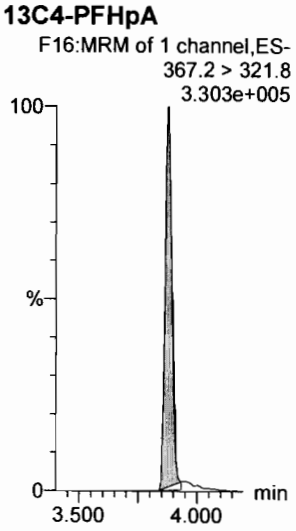

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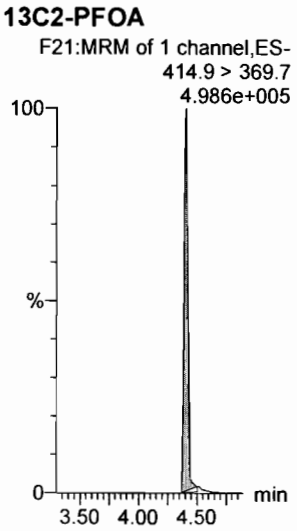

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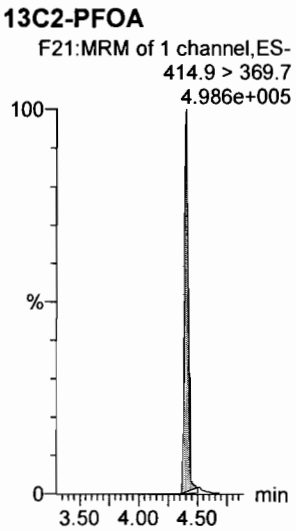

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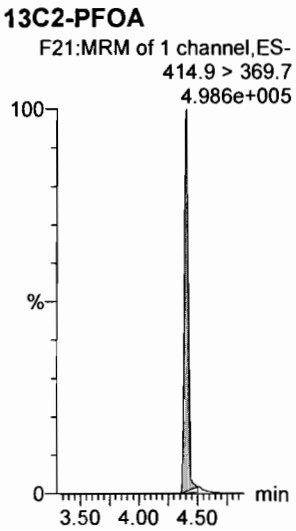

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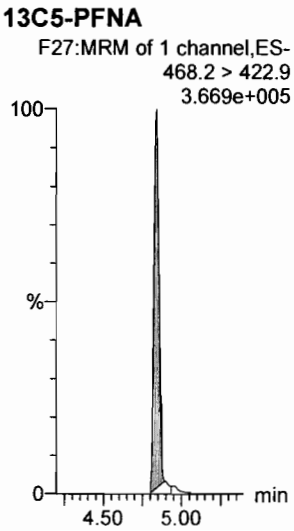

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Name: 180227M1_9, Date: 27-Feb-2018, Time: 20:51:00, ID: ST180227M1-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

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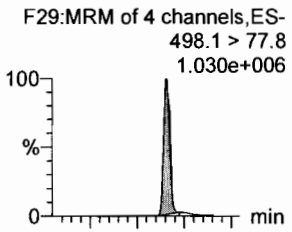

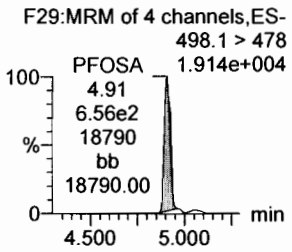

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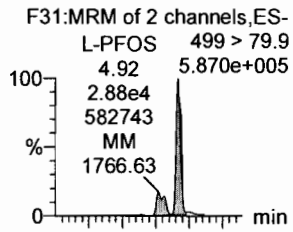

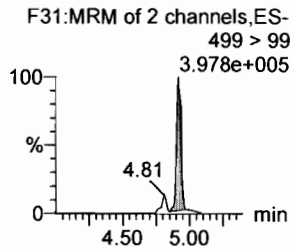

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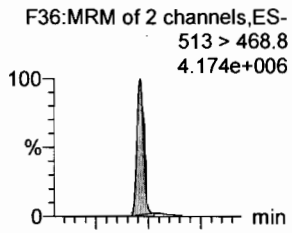

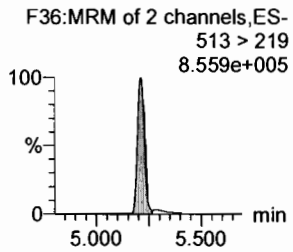

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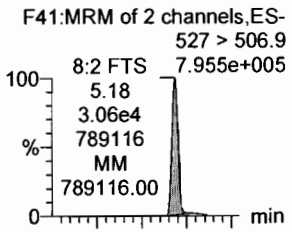

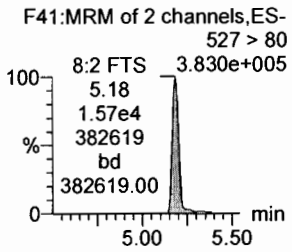

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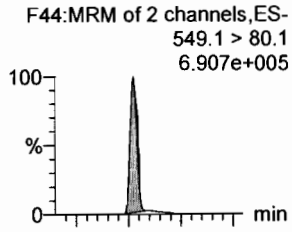

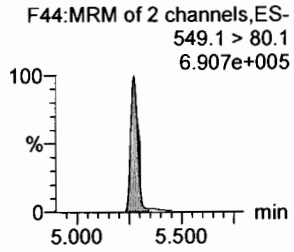

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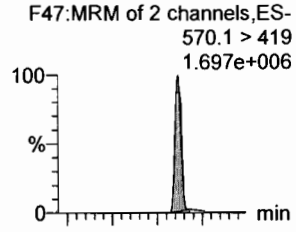

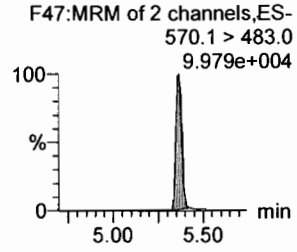

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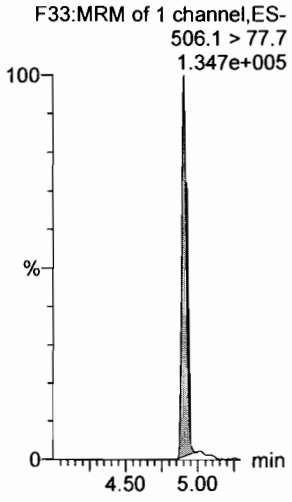

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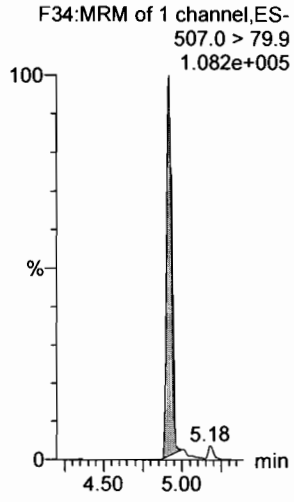

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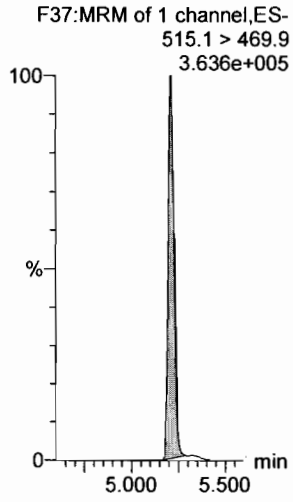

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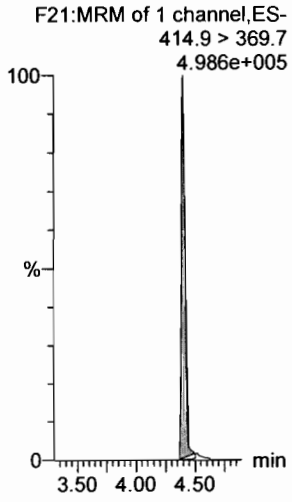

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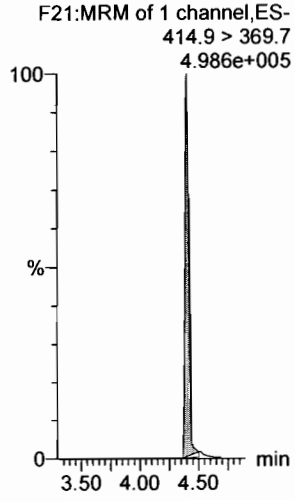
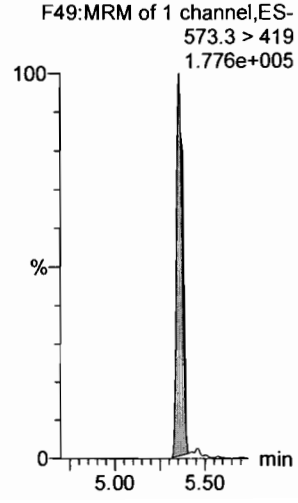


d3-N-MeFOSAA



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Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_9, Date: 27-Feb-2018, Time: 20:51:00, ID: ST180227M1-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

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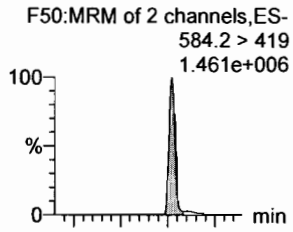
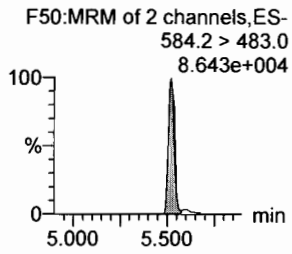
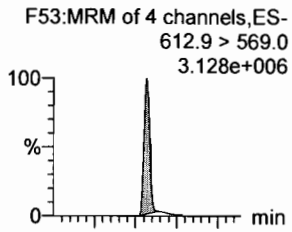
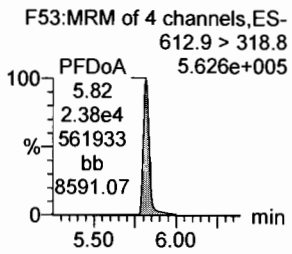




PFDoA





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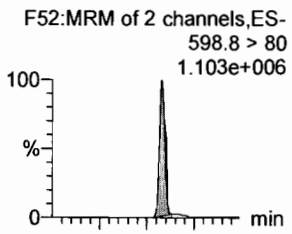

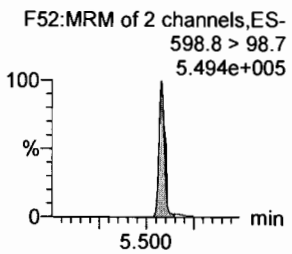

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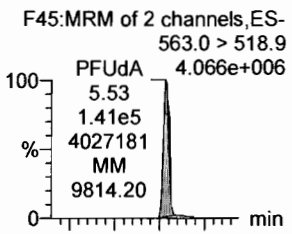

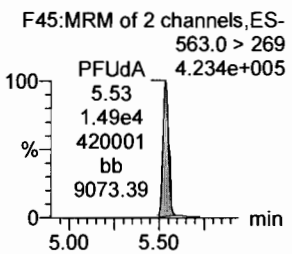

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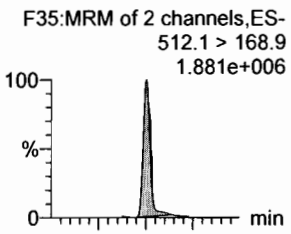

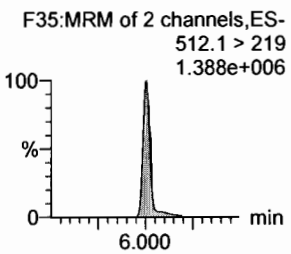

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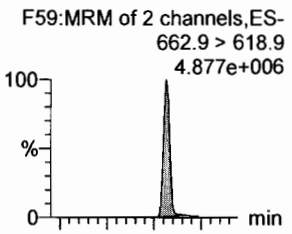

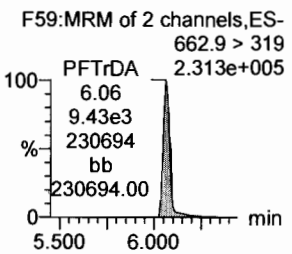

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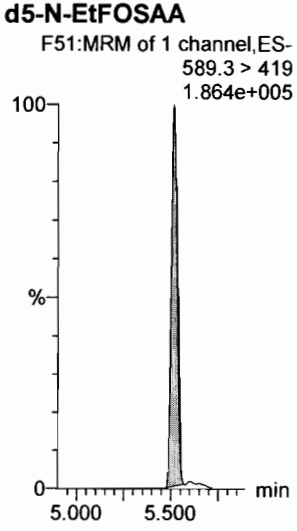

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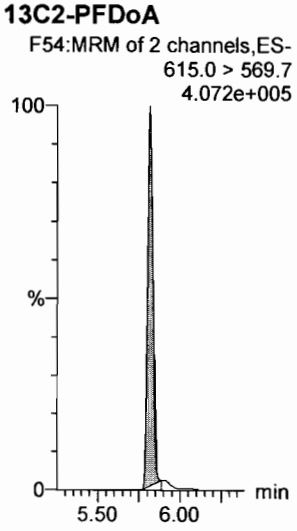

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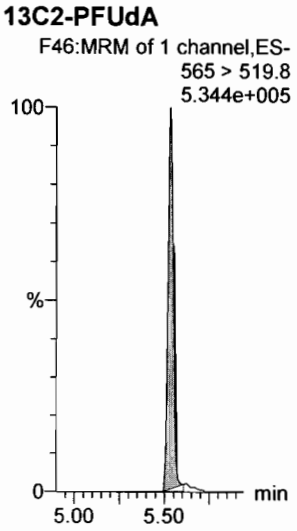

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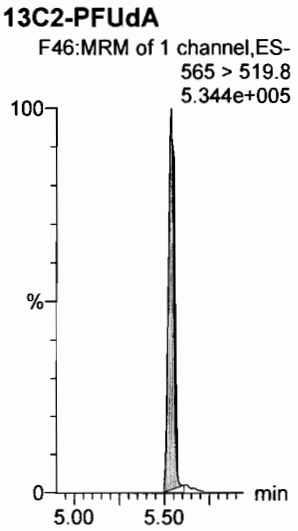

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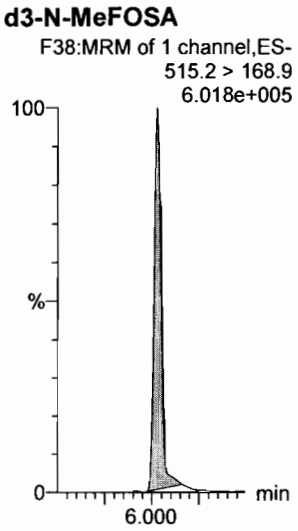

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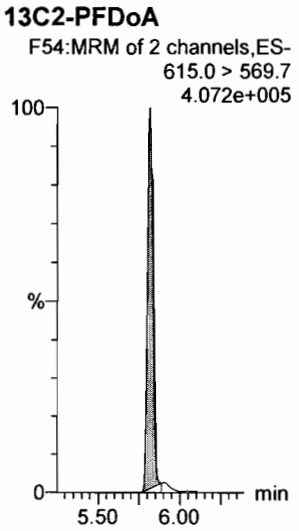

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Name: 180227M1_9, Date: 27-Feb-2018, Time: 20:51:00, ID: ST180227M1-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

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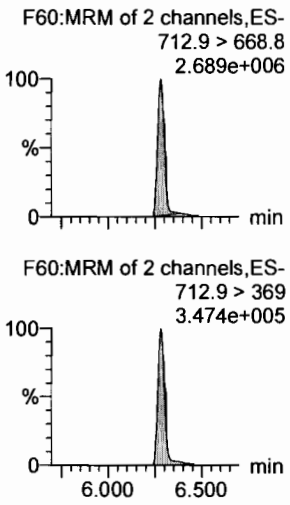

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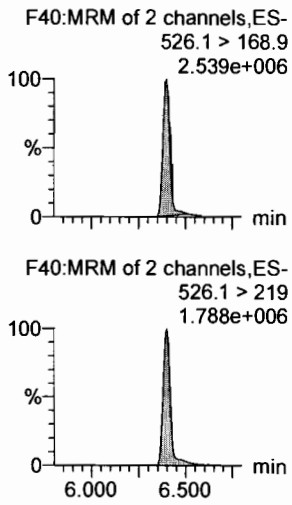

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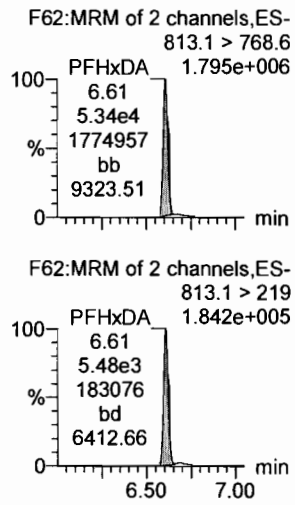
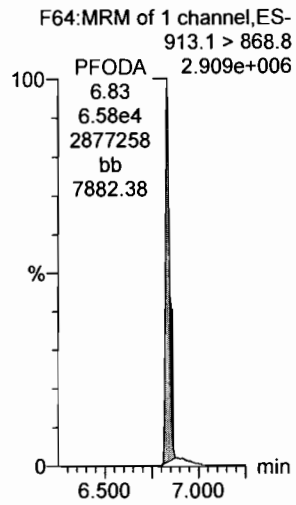


PFODA



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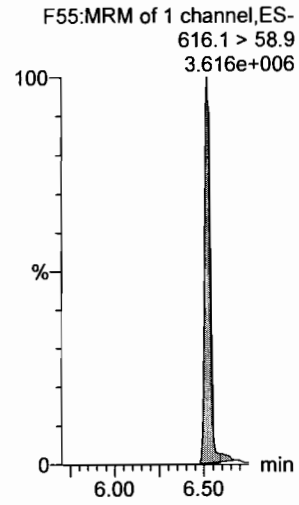

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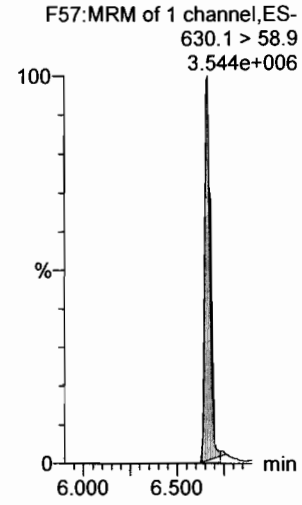

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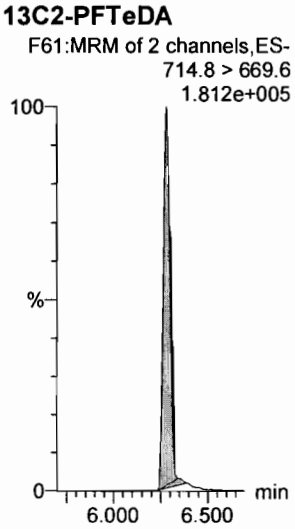
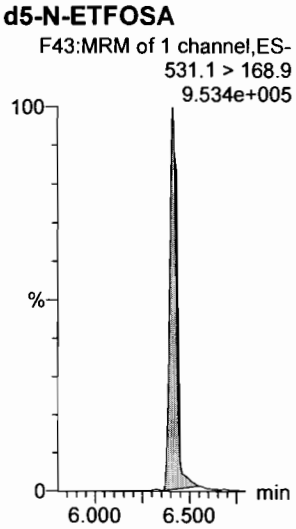


d5-N-ETFOSA



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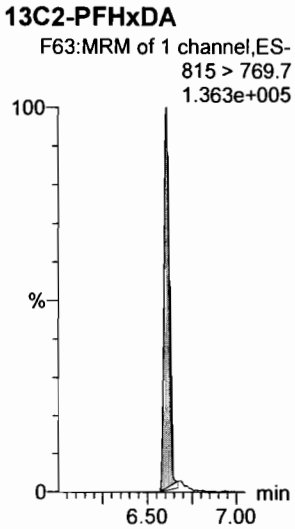

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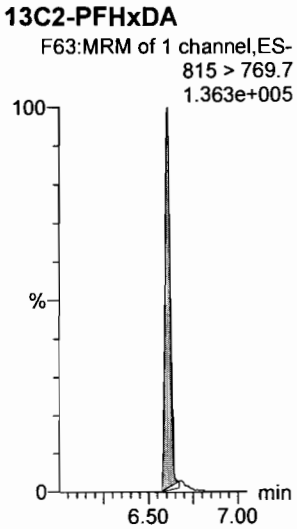
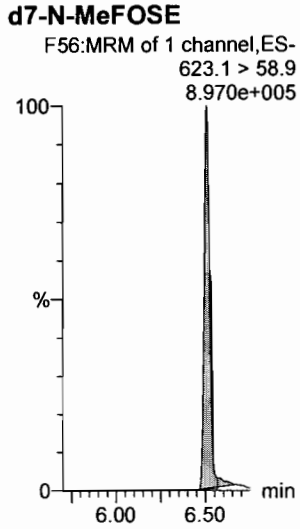


d7-N-MeFOSE



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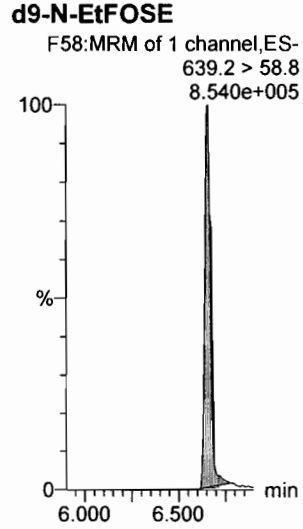

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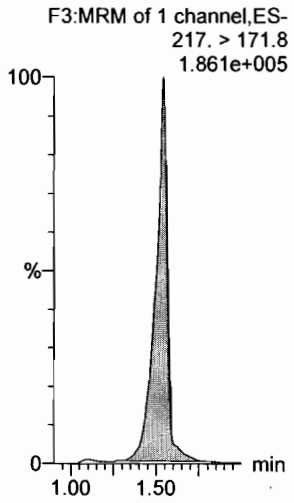
Name: 180227M1_9, Date: 27-Feb-2018, Time: 20:51:00, ID: ST180227M1-8 PFC CS5 18B2319, Description: PFC CS5 18B2319

13C4-PFBA



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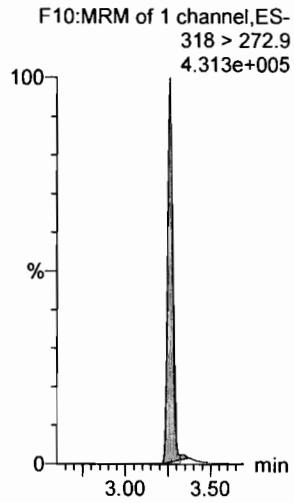

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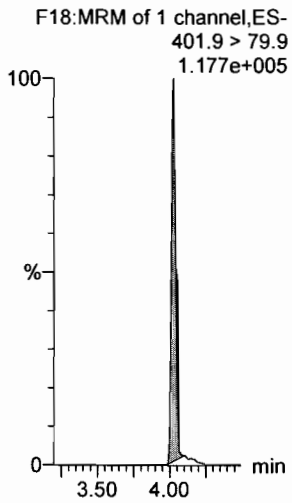

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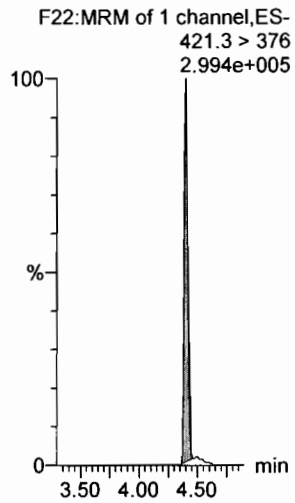

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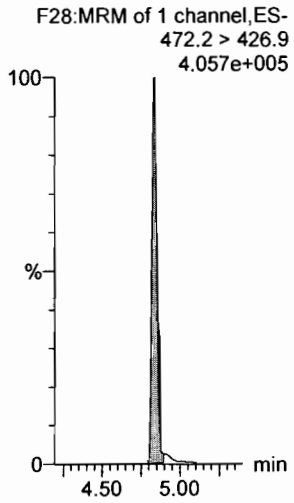

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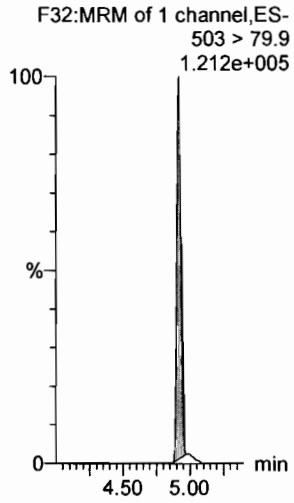
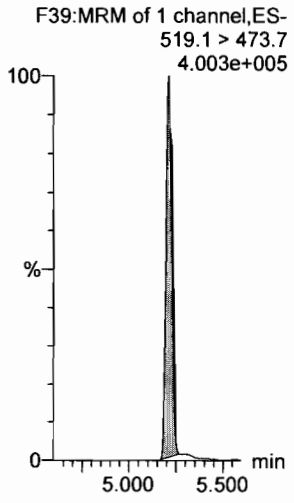
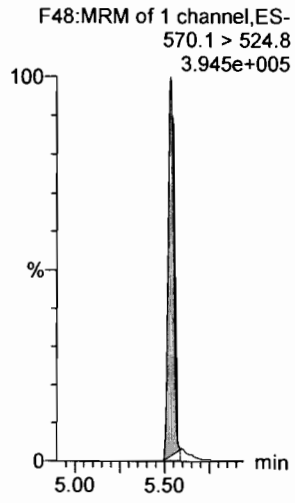


13C6-PFDA



13C7-PFUdA



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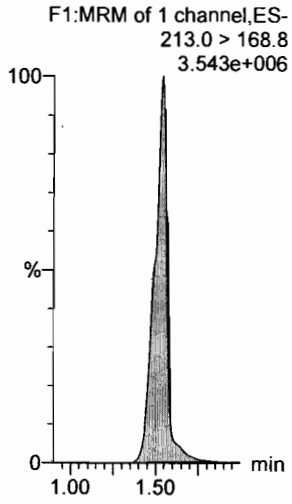
Name: 180227M1_10, Date: 27-Feb-2018, Time: 21:02:27, ID: ST180227M1-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

PFBA



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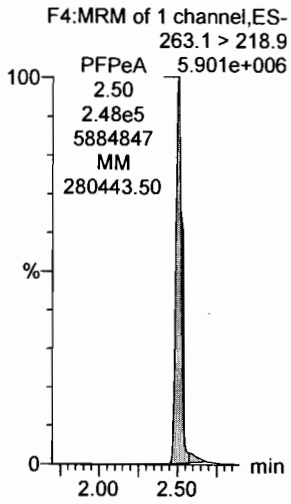

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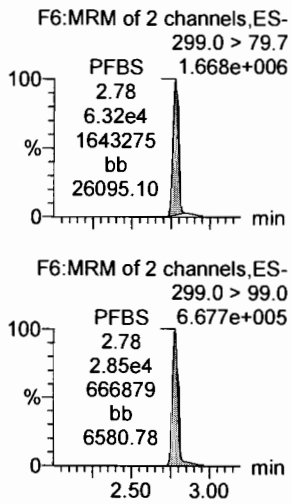
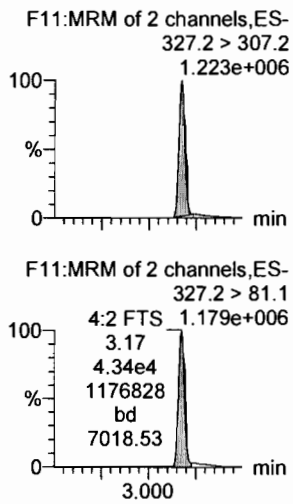


4:2 FTS



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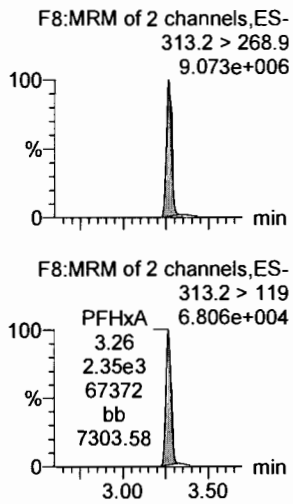

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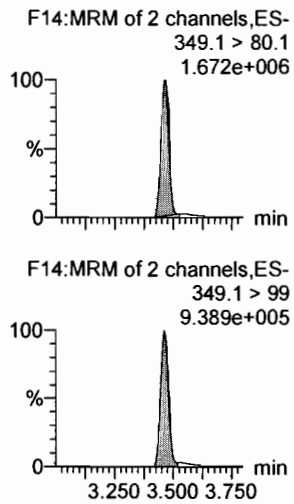

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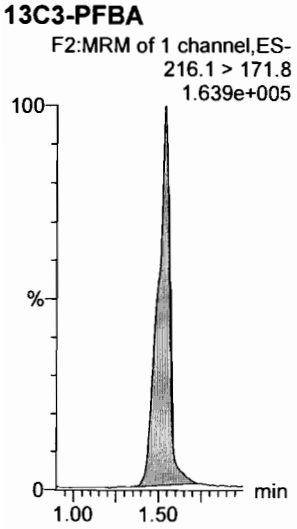

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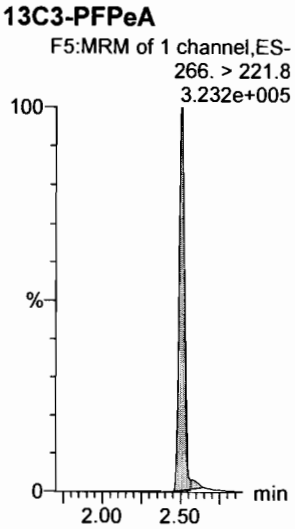

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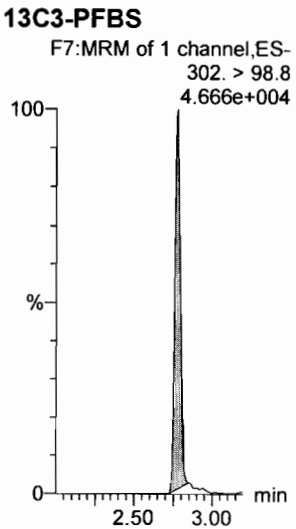

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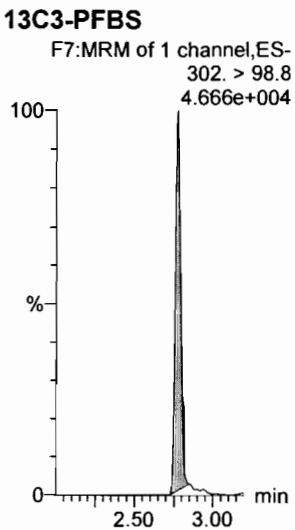

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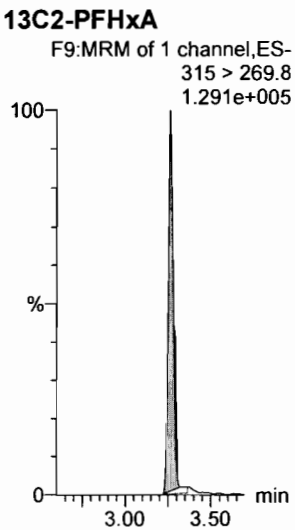

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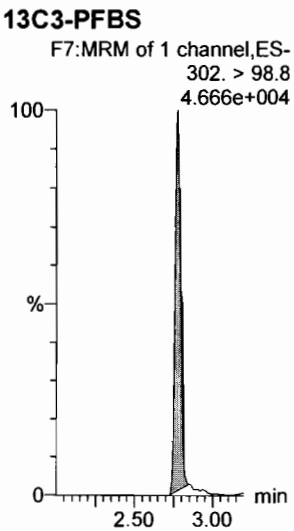

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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
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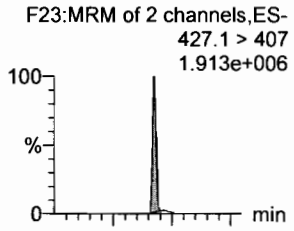
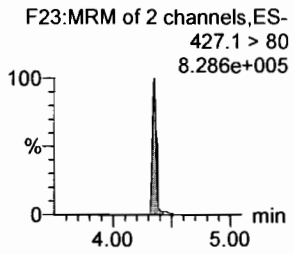
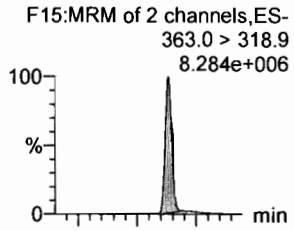
Name: 180227M1_10, Date: 27-Feb-2018, Time: 21:02:27, ID: ST180227M1-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

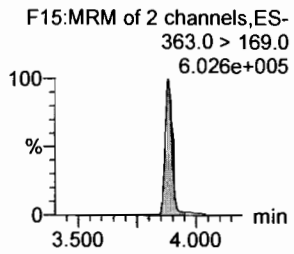
6:2 FTS





PFHpA





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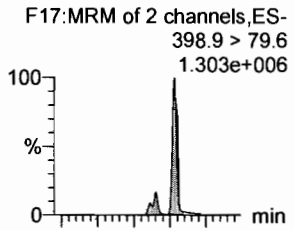
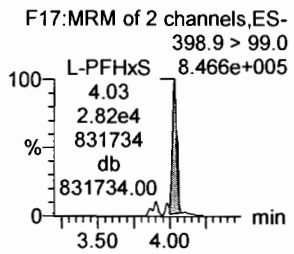
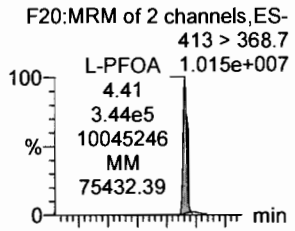
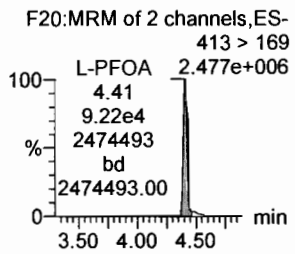




L-PFOA





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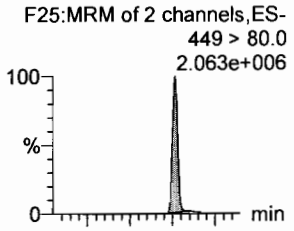

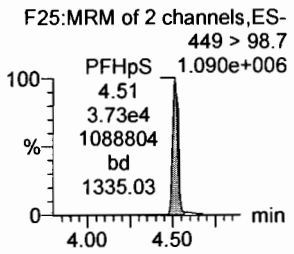

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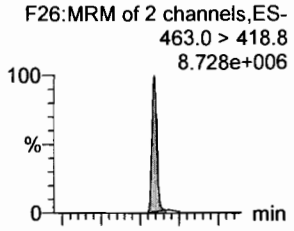

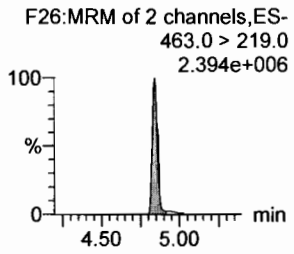

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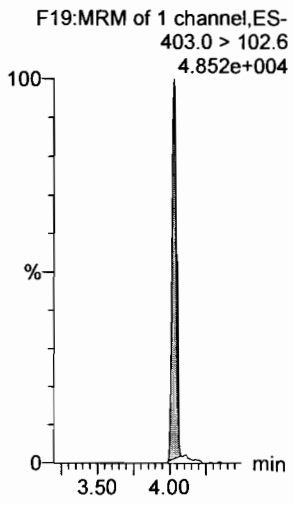
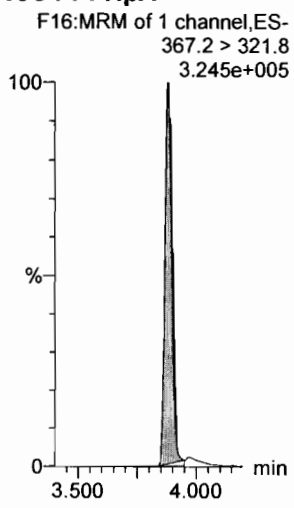


13C4-PFHpA



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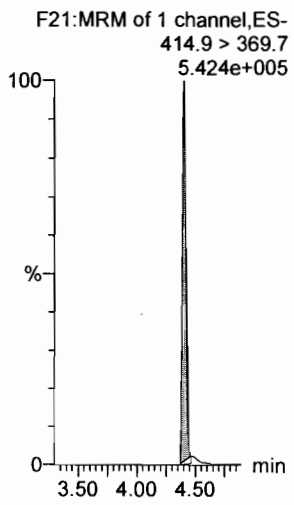

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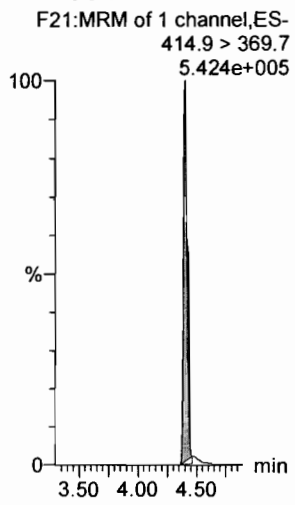

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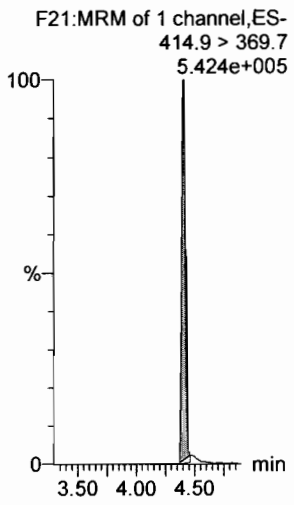

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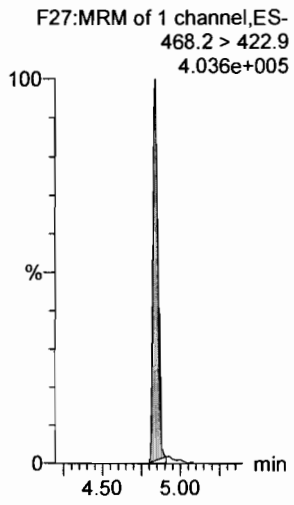

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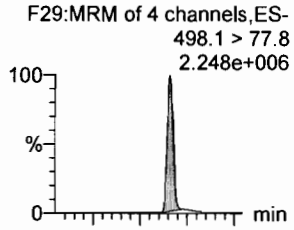
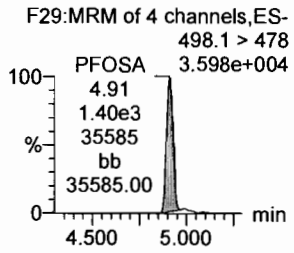
Name: 180227M1_10, Date: 27-Feb-2018, Time: 21:02:27, ID: ST180227M1-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

PFOSA





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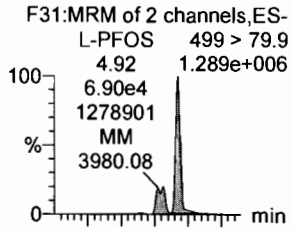

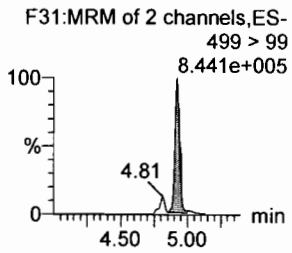

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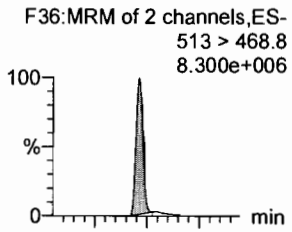
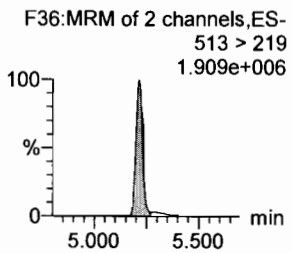
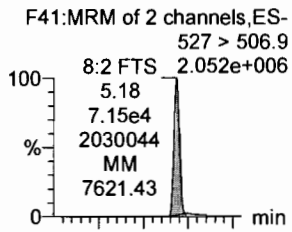
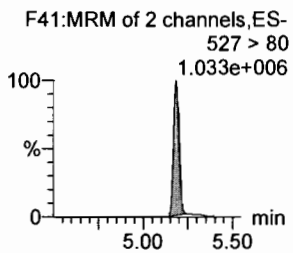




8:2 FTS





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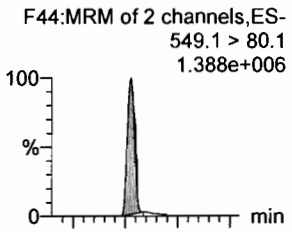

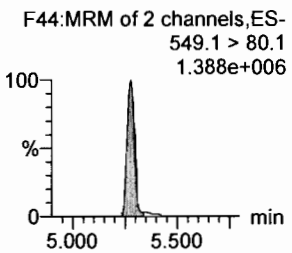

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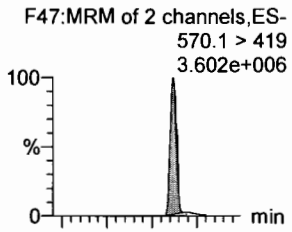

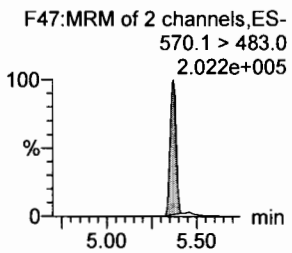

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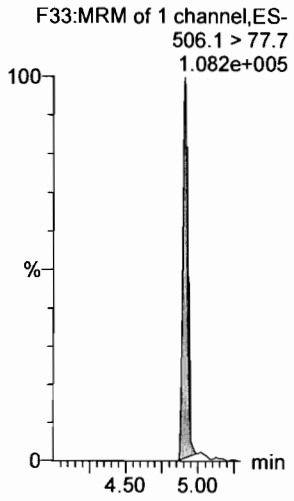
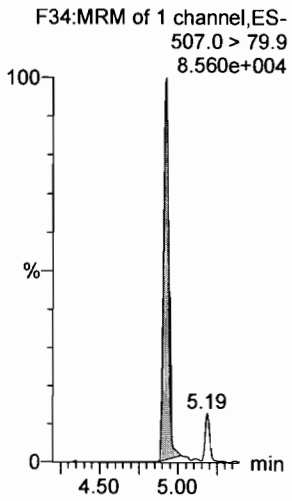


13C8-PFOS



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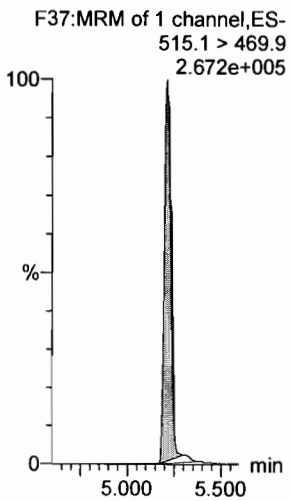

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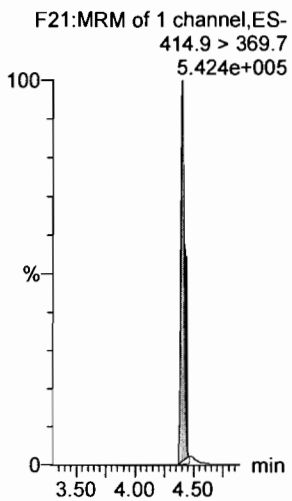

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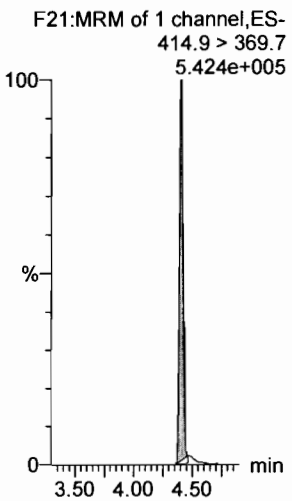

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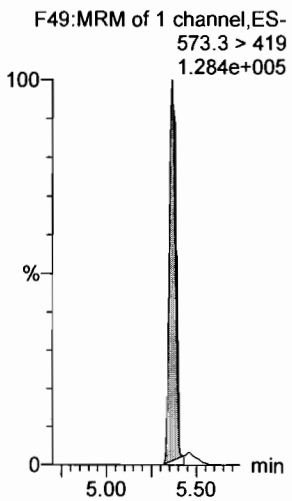

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Name: 180227M1_10, Date: 27-Feb-2018, Time: 21:02:27, ID: ST180227M1-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

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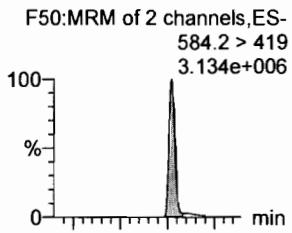
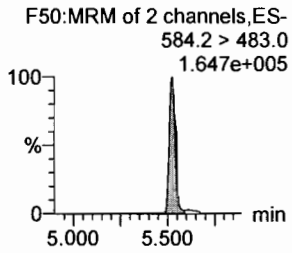
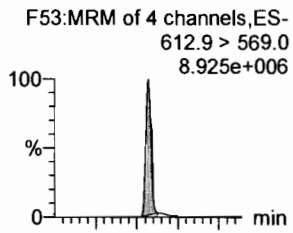
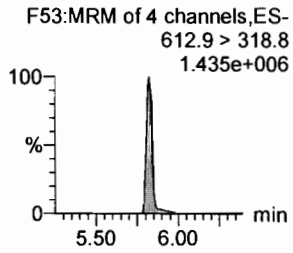




PFDoA





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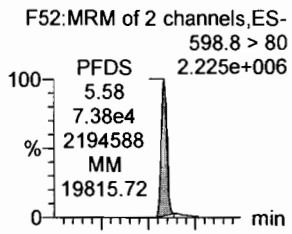

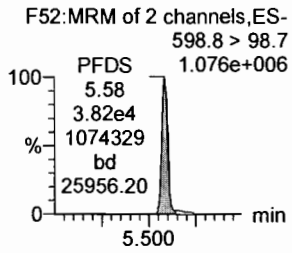

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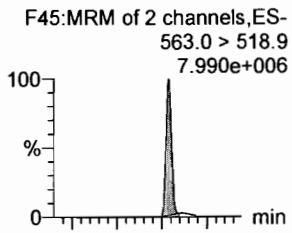

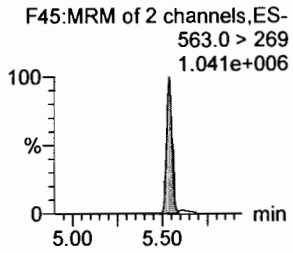

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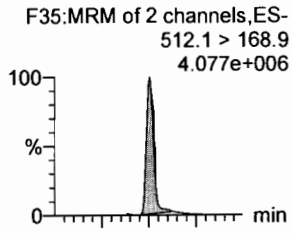
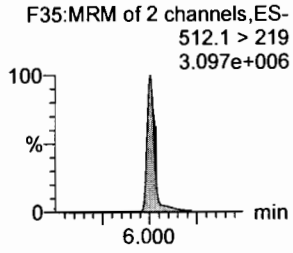
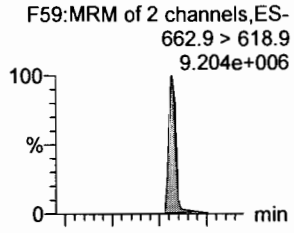
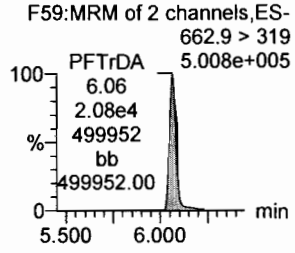




PFTrDA





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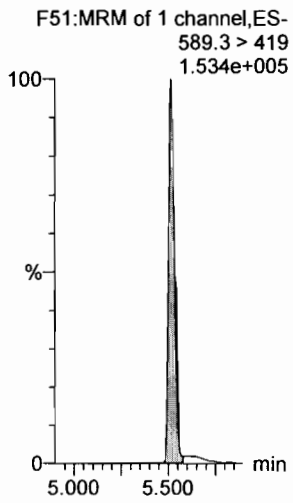
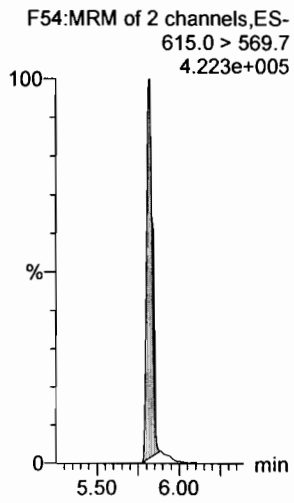


13C2-PFDoA



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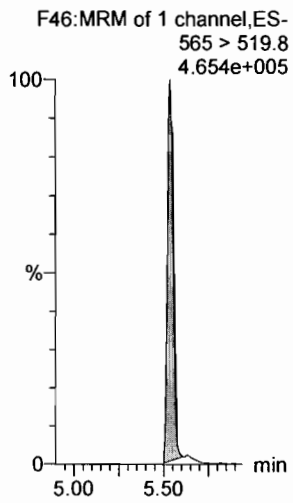

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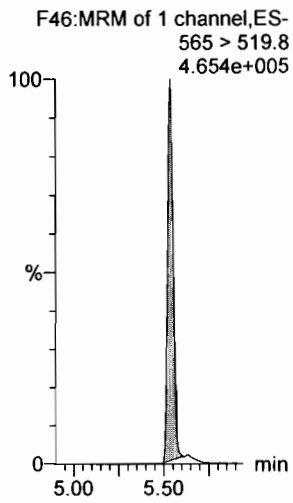

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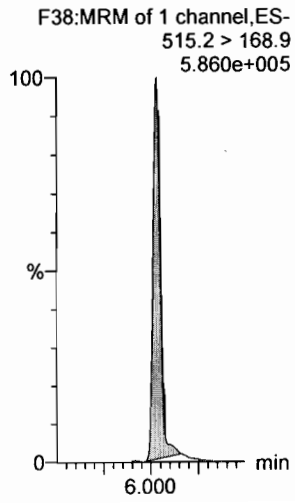

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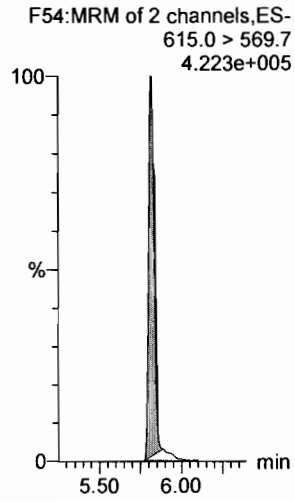

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Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_10, Date: 27-Feb-2018, Time: 21:02:27, ID: ST180227M1-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

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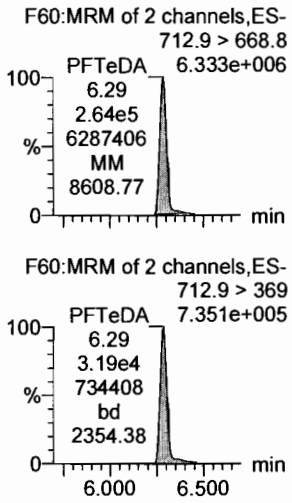

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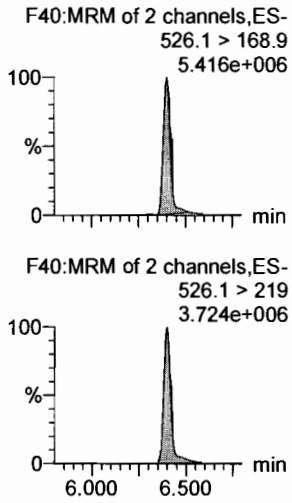
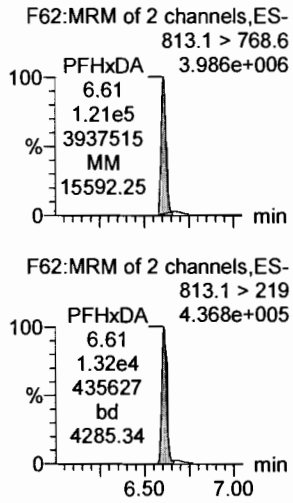
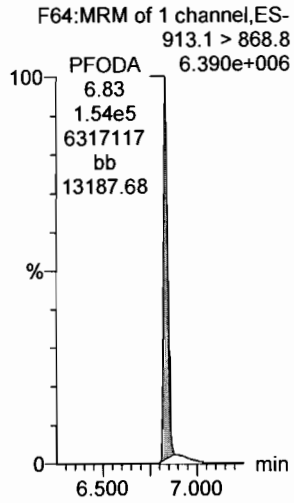


PFHxDA



PFODA



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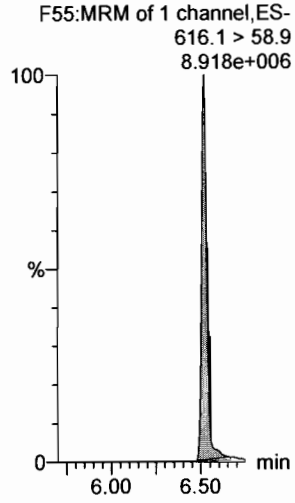

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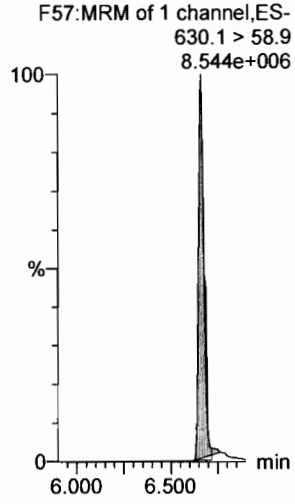

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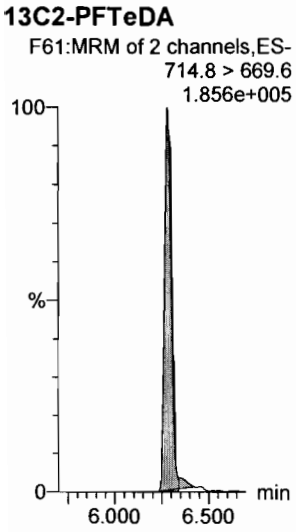

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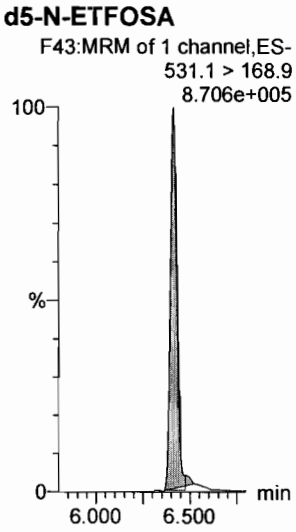

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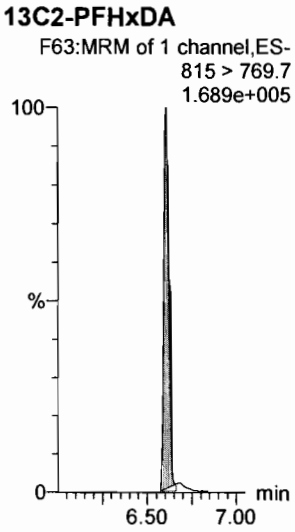

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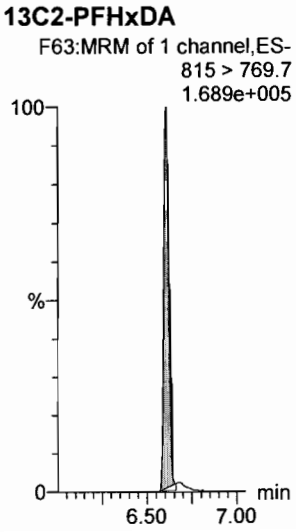

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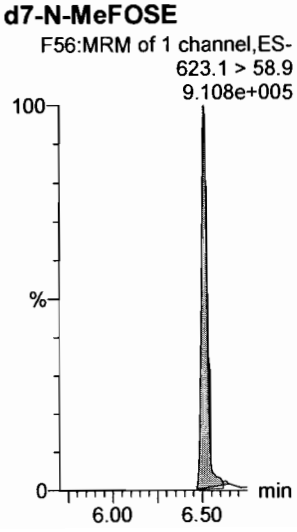
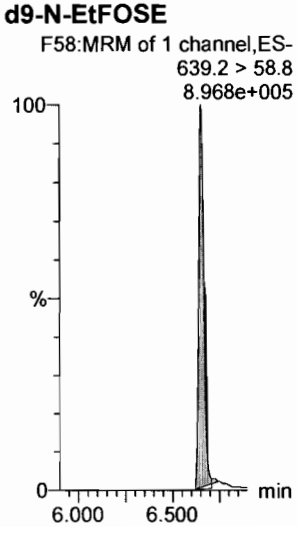


d9-N-EtFOSE



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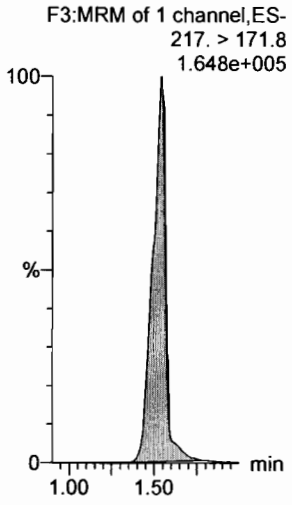
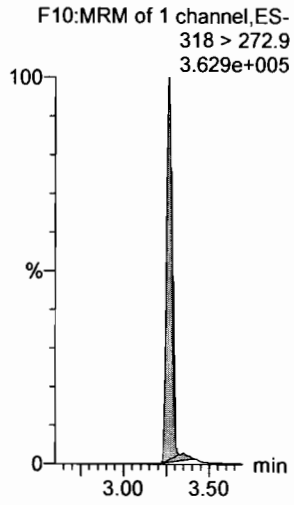
Name: 180227M1_10, Date: 27-Feb-2018, Time: 21:02:27, ID: ST180227M1-9 PFC CS6 18B2320, Description: PFC CS6 18B2320

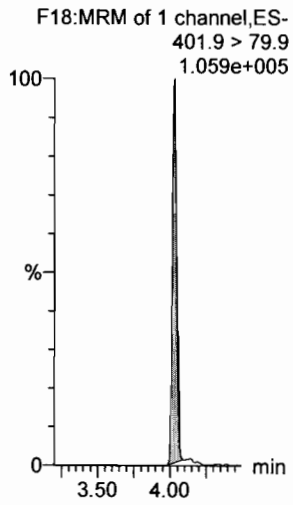
13C4-PFBA



13C5-PFHxA



13C3-PFHxS



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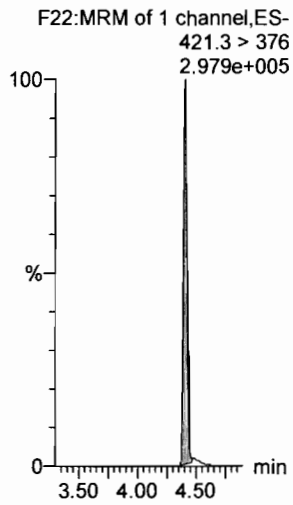

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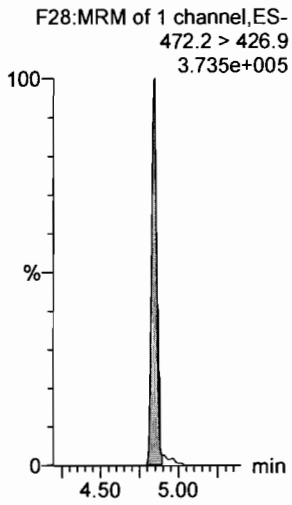

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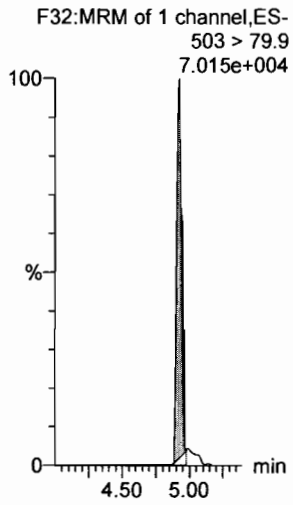

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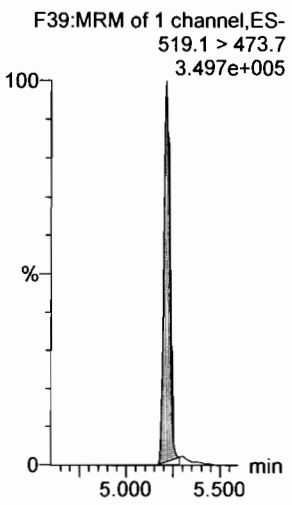
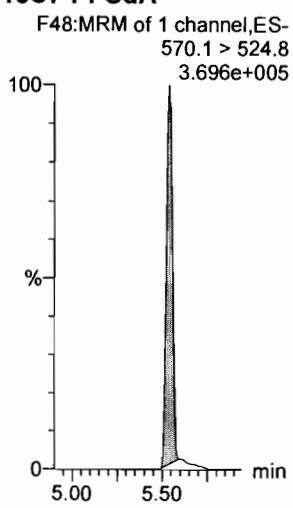


13C7-PFUdA



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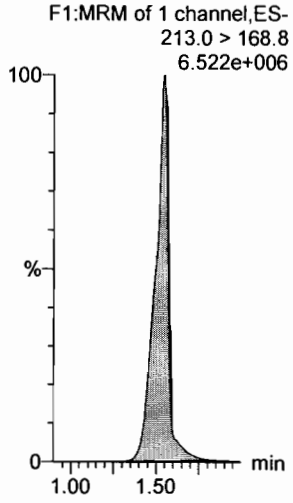
Name: 180227M1_11, Date: 27-Feb-2018, Time: 21:13:56, ID: ST180227M1-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

PFBA



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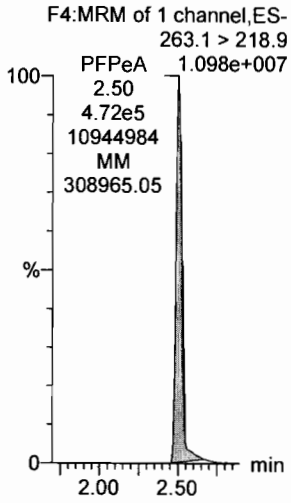
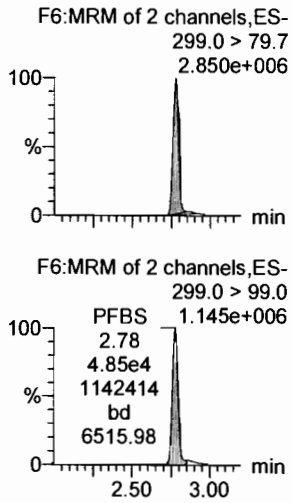
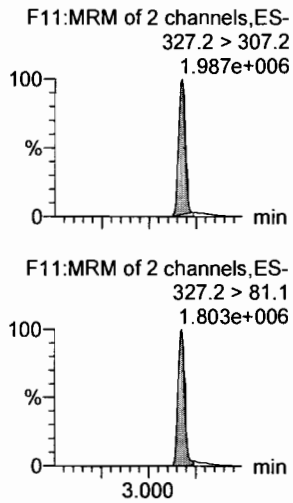


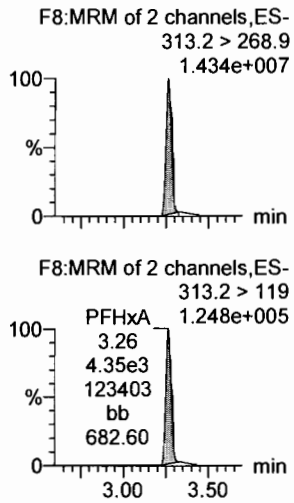
PFBS



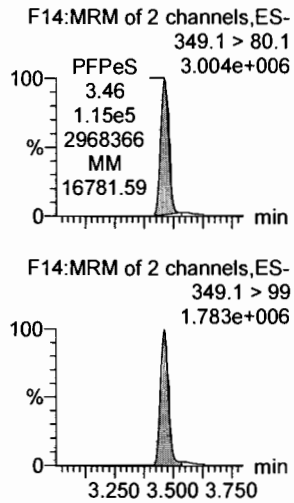
4:2 FTS



PFHxA



PFPeS



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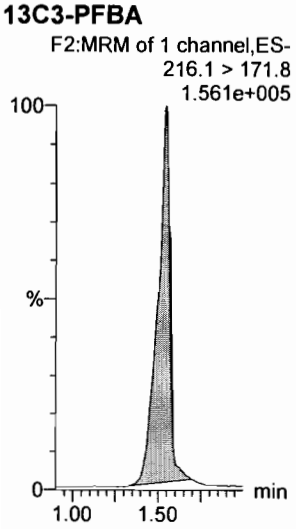

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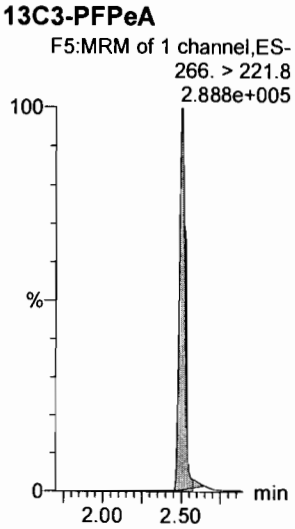

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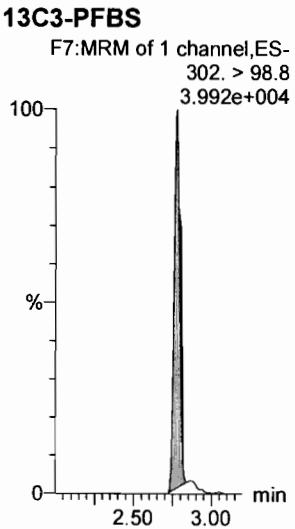

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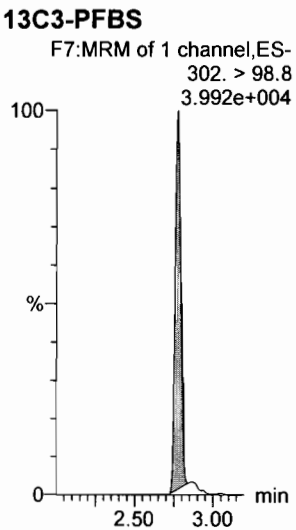

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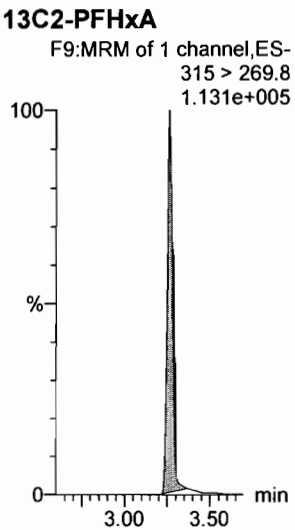

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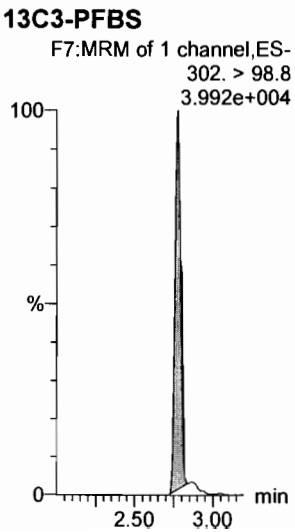

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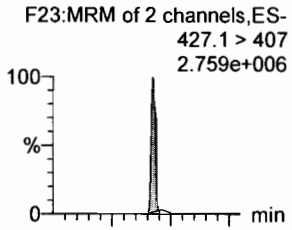
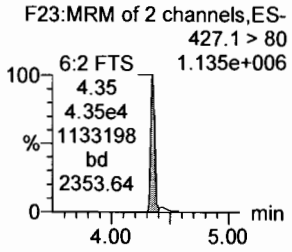
Name: 180227M1_11, Date: 27-Feb-2018, Time: 21:13:56, ID: ST180227M1-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

6:2 FTS





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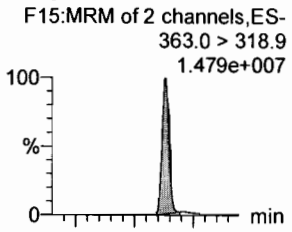
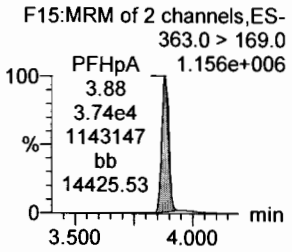
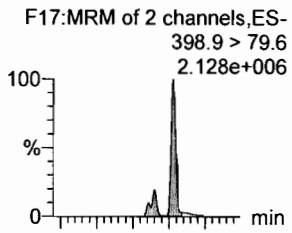
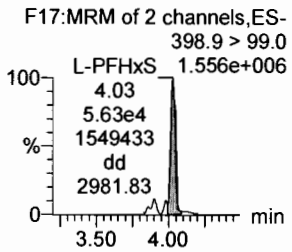




L-PFHxS





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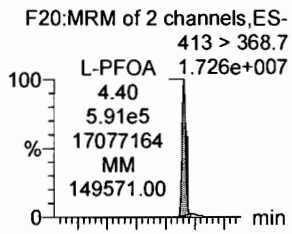

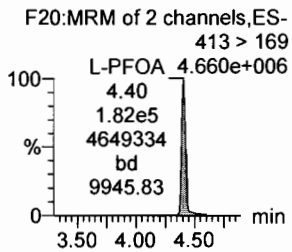

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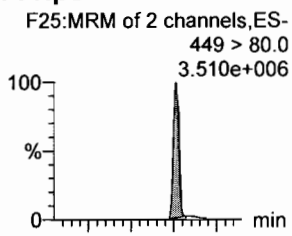

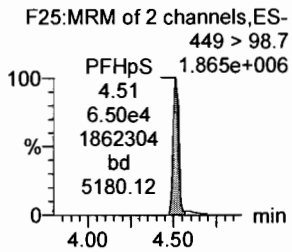

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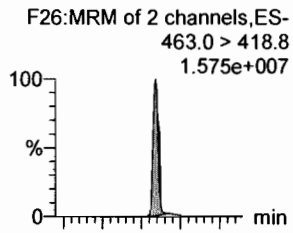

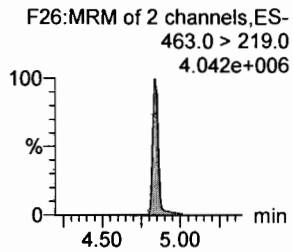

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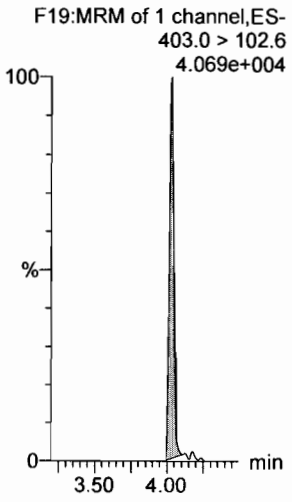

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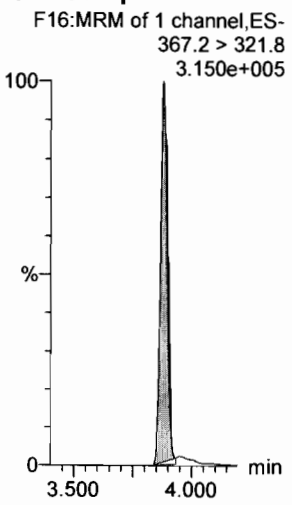

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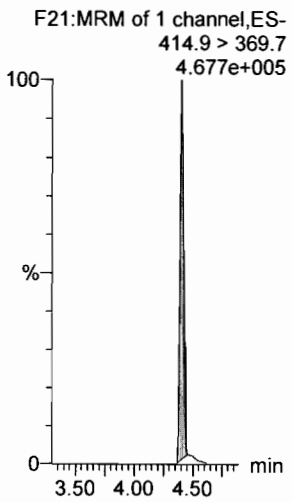

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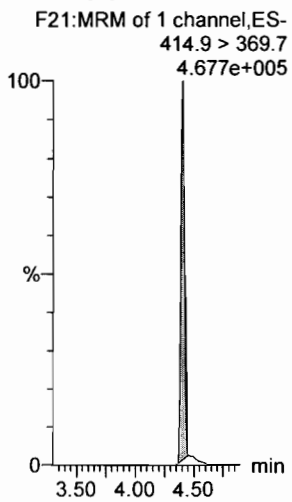

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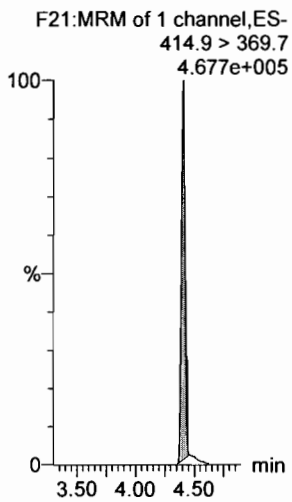

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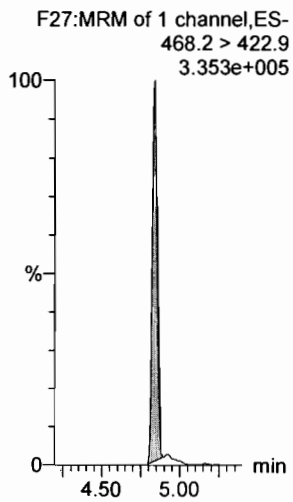

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Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_11, Date: 27-Feb-2018, Time: 21:13:56, ID: ST180227M1-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

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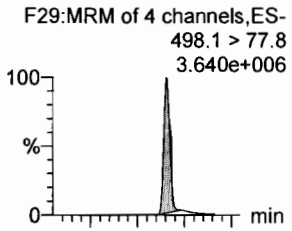

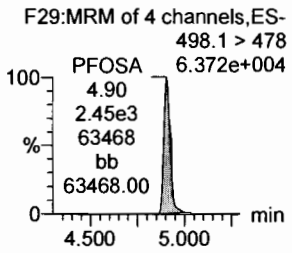

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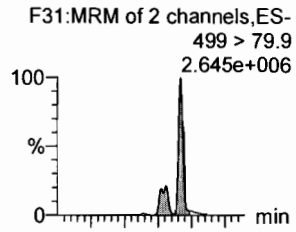

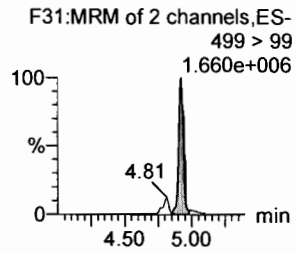

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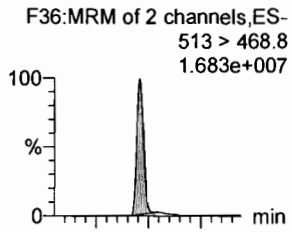

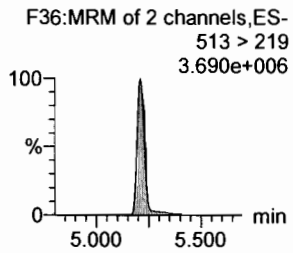

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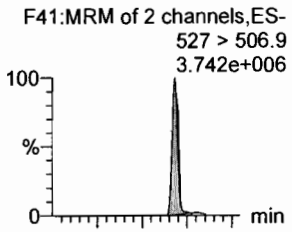

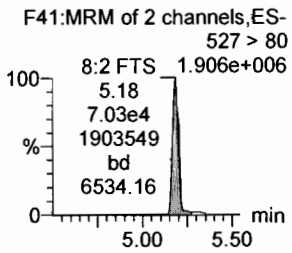

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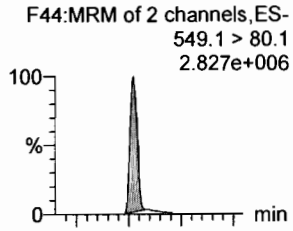

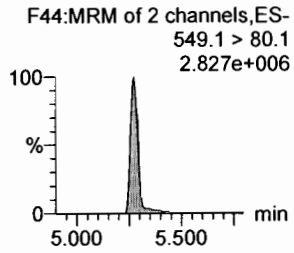

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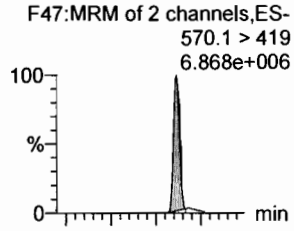

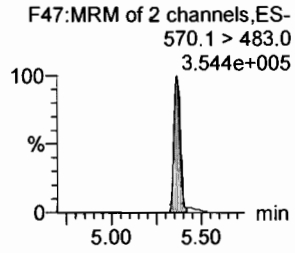

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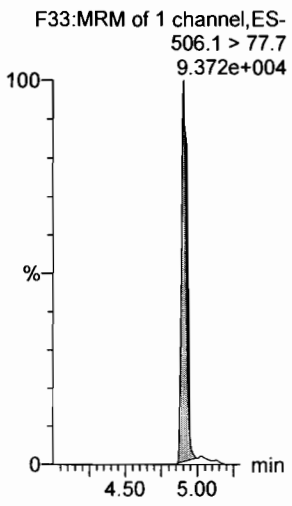

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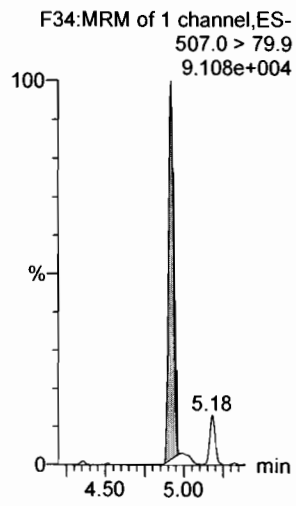

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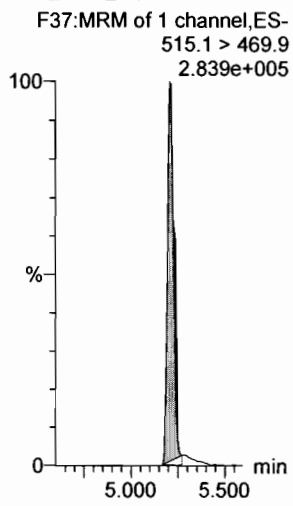

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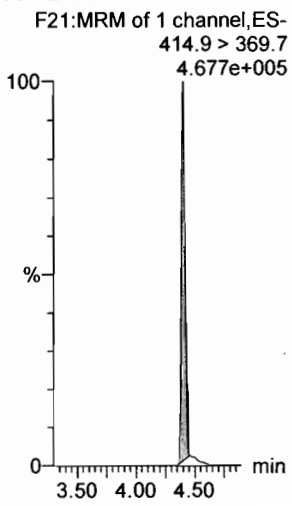

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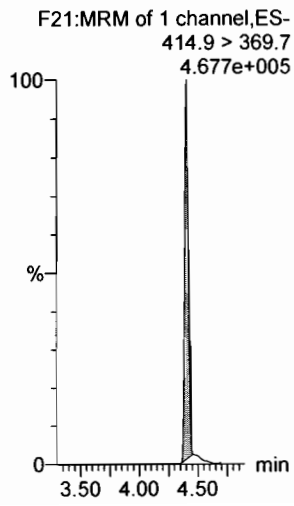

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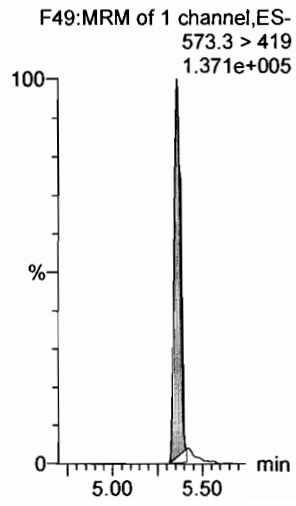

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Name: 180227M1_11, Date: 27-Feb-2018, Time: 21:13:56, ID: ST180227M1-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

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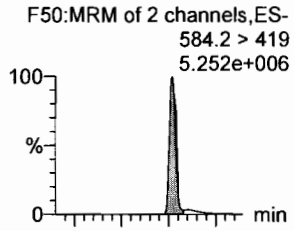

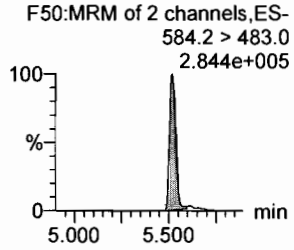

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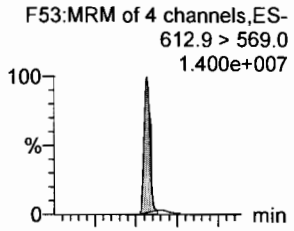

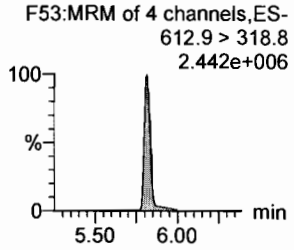

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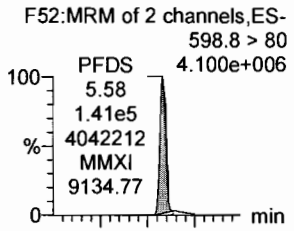

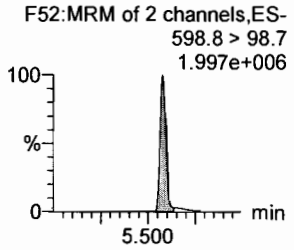

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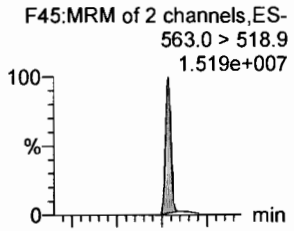

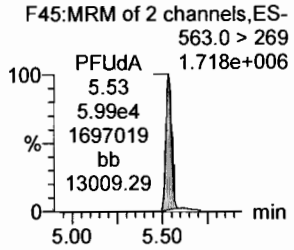

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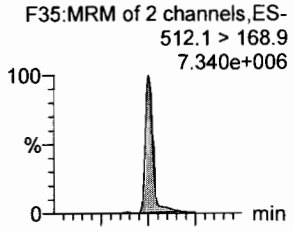

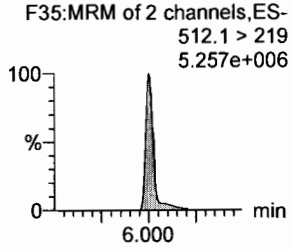

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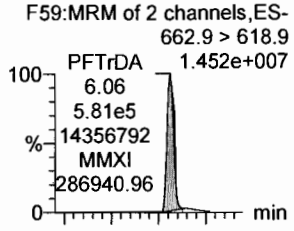

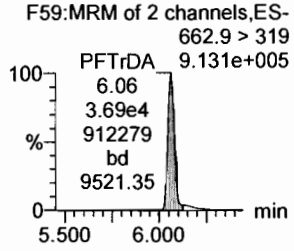

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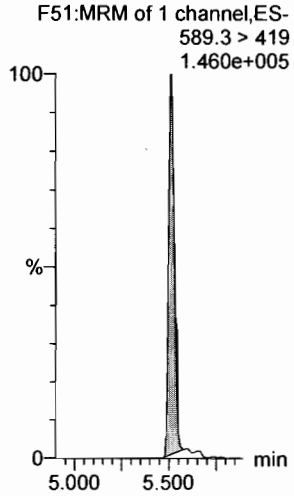

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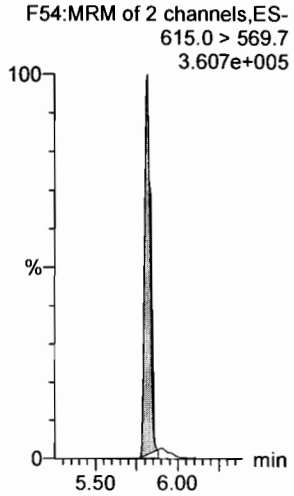

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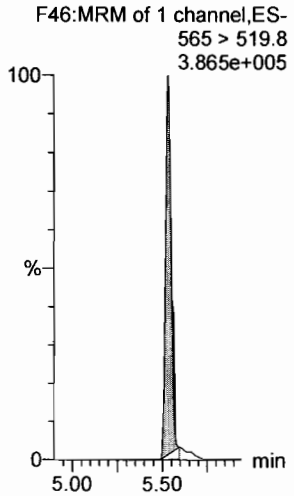

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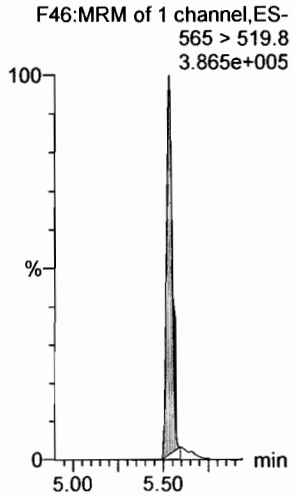

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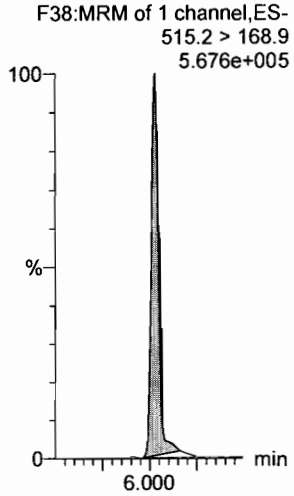

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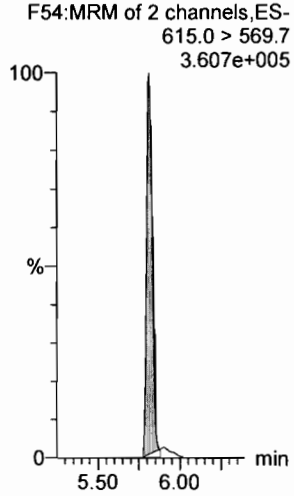

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Name: 180227M1_11, Date: 27-Feb-2018, Time: 21:13:56, ID: ST180227M1-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

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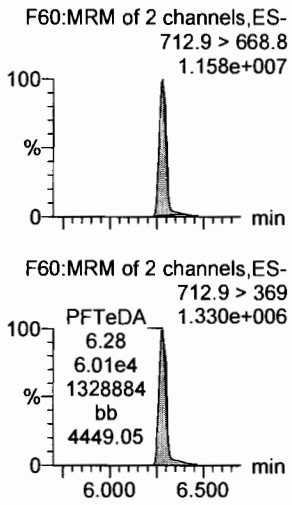

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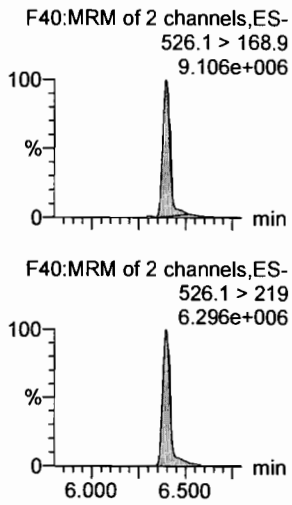

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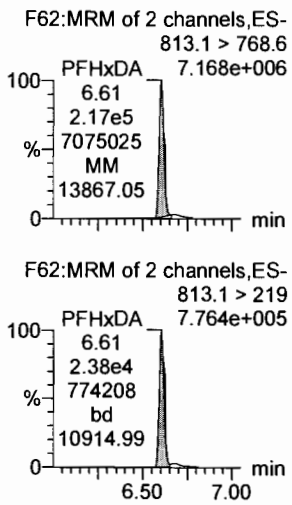
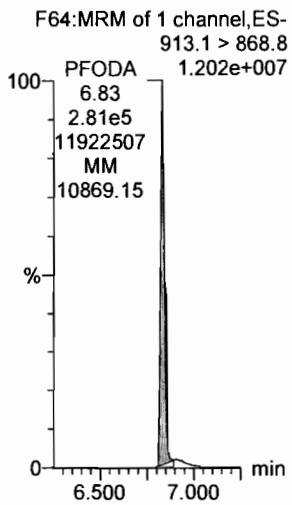
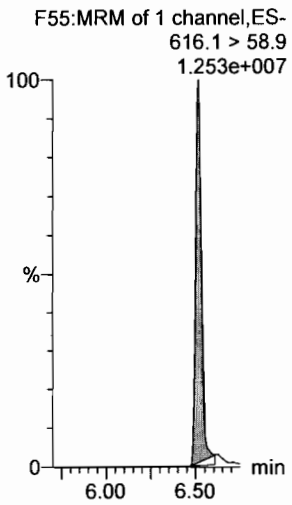


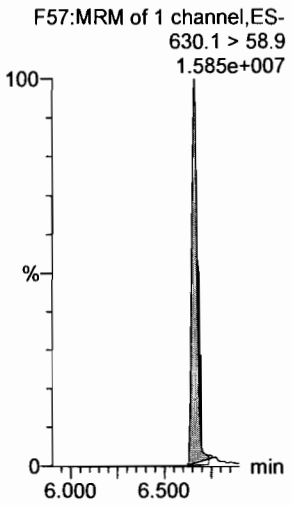
PFODA



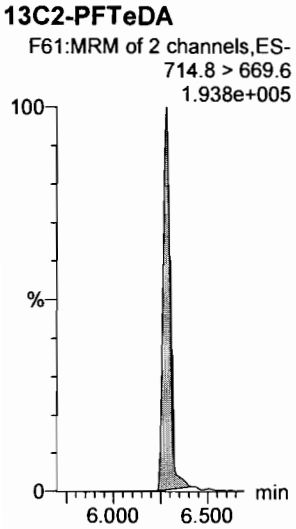
N-MeFOSE



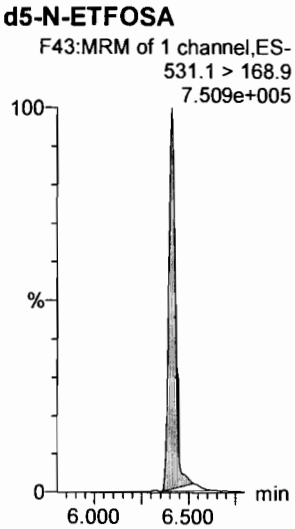
N-EtFOSE



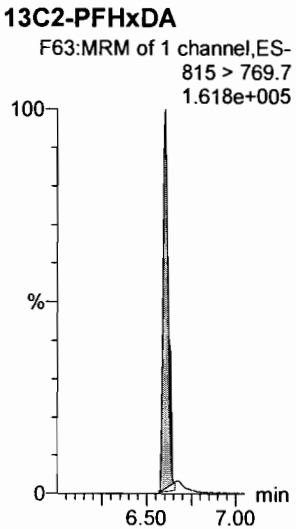
13C2-PFTeDA



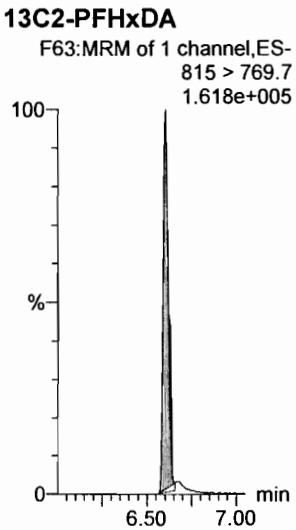
d5-N-ETFOSA



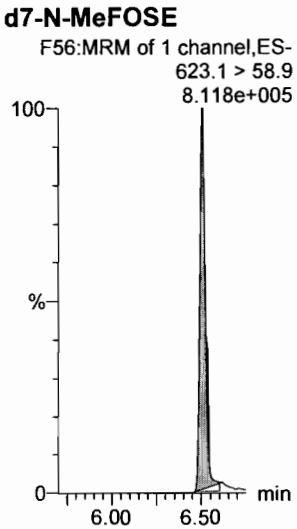
13C2-PFHxDA



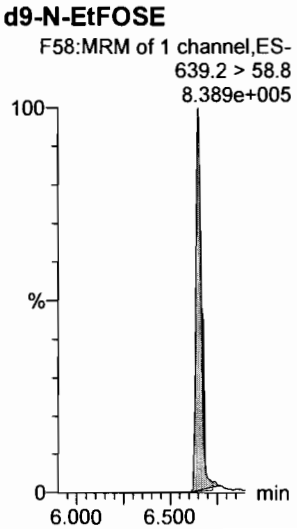
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

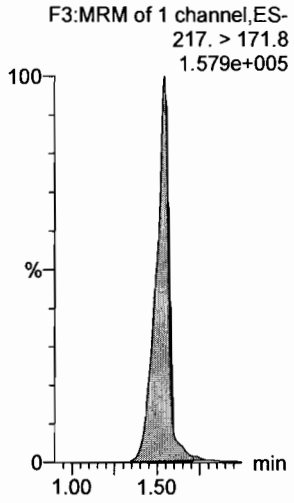


Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-CRV.qld

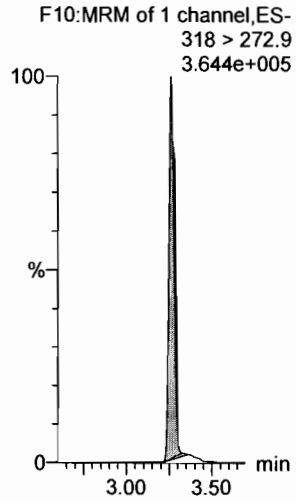
Last Altered: Wednesday, February 28, 2018 11:15:07 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:16:29 Pacific Standard Time

Name: 180227M1_11, Date: 27-Feb-2018, Time: 21:13:56, ID: ST180227M1-10 PFC CS7 18B2321, Description: PFC CS7 18B2321

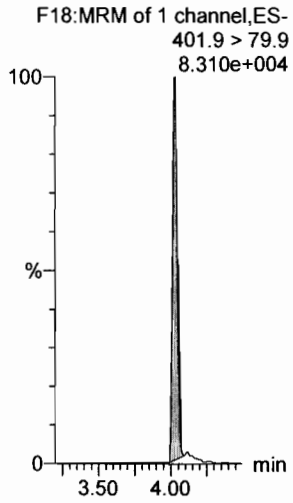
13C4-PFBA



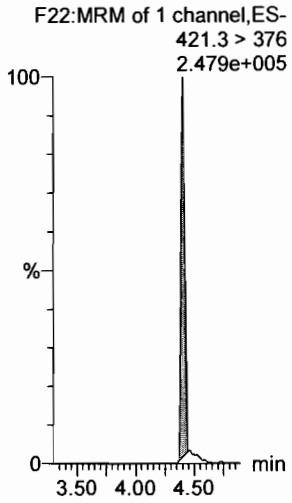
13C5-PFHxA



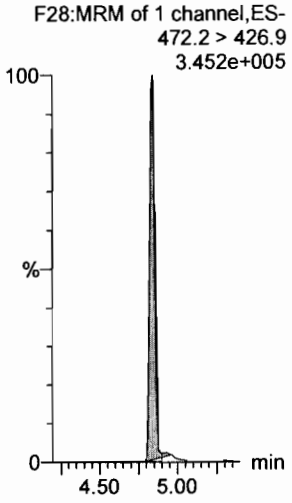
13C3-PFHxS



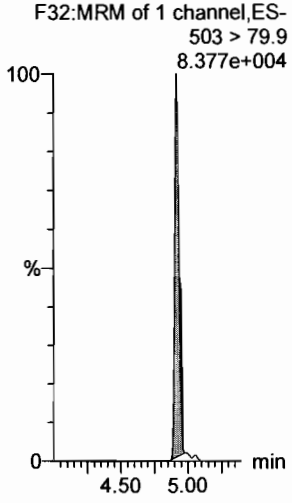
13C8-PFOA



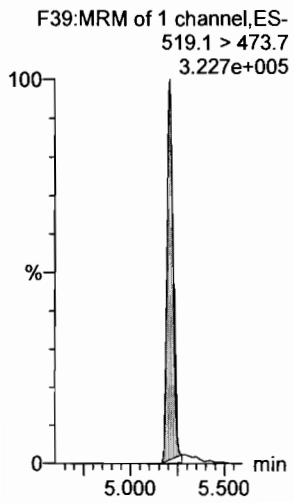
13C9-PFNA



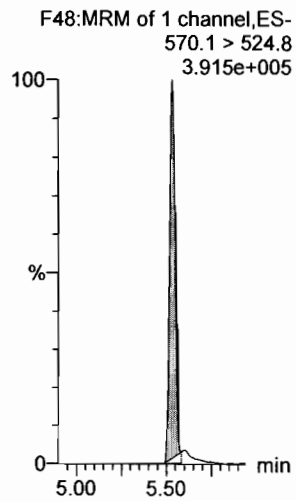
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-13.qld

Last Altered: Wednesday, February 28, 2018 11:58:52 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:00:31 Pacific Standard Time

✓JA. 02/28/2018

(A) Not in ICV.

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_13, Date: 27-Feb-2018, Time: 21:36:56, ID: ICV180227M1-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1	PFBA	213.0 > 168.8	1.06e4	1.30e4		1.46	1.54	10.2	8.89	88.9	NO
2	2	PFPeA	263.1 > 218.9	9.26e3	1.33e4		2.31	2.50	8.73	9.22	92.2	NO
3	3	PFBS	299.0 > 79.7	2.27e3	1.98e3		2.60	2.77	14.3	8.14	81.4	NO
4	4	4:2 FTS	327.2>307.2	1.96e3	1.98e3		3.00	3.17	12.4	9.34	93.4	NO
5	5	PFHxA	313.2 > 268.9	1.08e4	3.86e3		3.19	3.26	14.1	9.08	90.8	NO
6	6	PFPeS	349.1>80.1	2.57e3	1.98e3		3.39	3.46	16.3	9.23	92.3	NO
7	7	PFHpA	363.0 > 318.9	1.03e4	1.07e4		3.81	3.88	12.1	9.75	97.5	NO
8	8	L-PFHxS	398.9 > 79.6	1.85e3	1.50e3		4.17	4.03	15.4	8.58	85.8	NO
9	10	6:2 FTS	427.1 > 407	2.41e3	1.74e4		4.28	4.35	1.73	8.70	87.0	NO
10	11	L-PFOA	413 > 368.7	1.32e4	1.74e4		4.40	4.40	9.46	9.99	99.9	NO
11	13	PFHpS	449 > 80.0	2.22e3	1.74e4		4.44	4.51	1.59	7.78	77.8	NO
12	14	PFNA	463.0 > 418.8	1.30e4	1.45e4		4.76	4.84	11.2	9.04	90.4	NO
13	15	PFOSA	498.1 > 77.8	3.24e3	4.91e3		4.83	4.91	8.26	8.49	84.9	NO
14	16	L-PFOS	499 > 79.9	2.65e3	3.81e3		4.69	4.92	8.70	9.06	90.6	NO
15	18	PFDA	513 > 468.8	1.26e4	1.04e4		5.14	5.21	15.2	10.2	101.8	NO
16	19	8:2 FTS	527 > 506.9	3.79e3	1.74e4		5.12	5.18	2.72	12.0	119.8	NO
17	20	PFNS	549.1>80.1	2.38e3	3.81e3		5.08	5.27	7.81	9.33	93.3	NO
18	21	N-MeFOSAA	570.1 > 419	5.44e3	5.79e3		5.29	5.36	11.7	8.23	82.3	NO
19	22	N-EtFOSAA	584.2 > 419	4.74e3	7.05e3		5.45	5.52	8.40	8.09	80.9	NO
20	23	PFUdA	563.0 > 518.9	1.21e4	1.58e4		5.46	5.53	9.54	10.8	108.3	NO
21	24	PFDS	598.8 > 80	2.93e3	1.58e4		5.51	5.58	2.31	8.54	85.4	NO
22	25	PFDoA	612.9 > 569.0	1.27e4	1.43e4		5.74	5.82	11.1	10.4	104.3	NO
23	26	N-MeFOSA	512.1 > 168.9		2.45e4		5.84				(A)	NO
24	27	PFTrDA	662.9 > 618.9	1.43e4	1.43e4		5.98	6.06	12.5	9.42	94.2	NO
25	28	PFTeDA	712.9 > 668.8	1.09e4	6.23e3		6.20	6.28	21.8	10.7	106.8	NO
26	29	N-EtFOSA	526.1 > 168.9		3.79e4		6.22					NO
27	30	PFHxDA	813.1 > 768.6		4.37e3		6.51					NO
28	31	PFODA	913.1 > 868.8		4.37e3		6.74					NO
29	32	N-MeFOSE	616.1 > 58.9		2.72e4		6.31					NO
30	33	N-EtFOSE	630.1 > 58.9	6.21e1	2.63e4		6.45	6.66	0.355			NO
31	34	13C3-PFBA	216.1 > 171.8	1.30e4	1.44e4	0.940	1.46	1.54	11.3	12.0	95.9	NO
32	35	13C3-PFPeA	266. > 221.8	1.33e4	1.28e4	0.948	2.42	2.50	12.9	13.6	108.9	NO

(A) ↓

AM 2/28/18

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-13.qld

Last Altered: Wednesday, February 28, 2018 11:58:52 Pacific Standard Time
Printed: Wednesday, February 28, 2018 12:00:31 Pacific Standard Time

Name: 180227M1_13, Date: 27-Feb-2018, Time: 21:36:56, ID: ICV180227M1-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
33	36	13C3-PFBS	302. > 98.8	1.98e3	1.28e4	0.131	2.69	2.77	1.92	14.6	117.1	NO
34	37	13C2-PFHxA	315 > 269.8	3.86e3	1.28e4	0.740	3.19	3.26	3.75	5.07	101.4	NO
35	38	13C4-PFHpA	367.2 > 321.8	1.07e4	1.28e4	0.776	3.81	3.88	10.4	13.4	106.9	NO
36	39	18O2-PFHxS	403.0 > 102.6	1.50e3	3.58e3	0.412	3.96	4.03	5.23	12.7	101.5	NO
37	40	13C2-PFOA	414.9 > 369.7	1.74e4	1.09e4	1.891	4.33	4.40	19.9	10.5	84.1	NO
38	41	13C5-PFNA	468.2 > 422.9	1.45e4	1.29e4	0.959	4.76	4.84	14.1	14.6	117.2	NO
39	42	13C8-PFOSA	506.1 > 77.7	4.91e3	1.45e4	0.308	4.83	4.90	4.22	13.7	109.6	NO
40	43	13C8-PFOS	507.0 > 79.9	3.81e3	3.58e3	1.096	4.84	4.92	13.3	12.2	97.3	NO
41	44	13C2-PFDA	515.1 > 469.9	1.04e4	1.32e4	0.926	5.14	5.21	9.79	10.6	84.6	NO
42	45	d3-N-MeFOSAA	573.3 > 419	5.79e3	1.45e4	0.359	5.29	5.36	4.98	13.9	111.2	NO
43	46	d5-N-EtFOSAA	589.3 > 419	7.05e3	1.45e4	0.435	5.45	5.52	6.06	13.9	111.5	NO
44	47	13C2-PFUdA	565 > 519.8	1.58e4	1.45e4	1.138	5.46	5.53	13.6	12.0	95.8	NO
45	48	13C2-PFDoA	615.0 > 569.7	1.43e4	1.45e4	1.059	5.74	5.82	12.3	11.6	92.9	NO
46	49	d3-N-MeFOSA	515.2 > 168.9	2.45e4	1.45e4	0.151	5.84	6.03	21.1	140	93.1	NO
47	50	13C2-PFTeDA	714.8 > 669.6	6.23e3	1.45e4	0.484	6.20	6.28	5.36	11.1	88.6	NO
48	51	d5-N-ETFOSA	531.1 > 168.9	3.79e4	1.45e4	0.215	6.22	6.41	32.6	152	101.1	NO
49	52	13C2-PFHxDA	815 > 769.7	4.37e3	1.45e4	0.741	6.51	6.61	3.76	5.07	101.5	NO
50	53	d7-N-MeFOSE	623.1 > 58.9	2.72e4	1.45e4	0.186	6.31	6.51	23.4	126	83.9	NO
51	54	d9-N-EtFOSE	639.2 > 58.8	2.63e4	1.45e4	0.159	6.45	6.65	22.6	142	94.6	NO
52	55	13C4-PFBA	217. > 171.8	1.44e4	1.44e4	1.000	1.46	1.54	12.5	12.5	100.0	NO
53	56	13C5-PFHxA	318 > 272.9	1.28e4	1.28e4	1.000	3.19	3.26	12.5	12.5	100.0	NO
54	57	13C3-PFHxS	401.9 > 79.9	3.58e3	3.58e3	1.000	3.96	4.03	12.5	12.5	100.0	NO
55	58	13C8-PFOA	421.3 > 376	1.09e4	1.09e4	1.000	4.33	4.40	12.5	12.5	100.0	NO
56	59	13C9-PFNA	472.2 > 426.9	1.29e4	1.29e4	1.000	4.70	4.84	12.5	12.5	100.0	NO
57	60	13C4-PFOS	503 > 79.9	3.58e3	3.58e3	1.000	4.84	4.92	12.5	12.5	100.0	NO
58	61	13C6-PFDA	519.1 > 473.7	1.32e4	1.32e4	1.000	5.14	5.21	12.5	12.5	100.0	NO
59	62	13C7-PFUdA	570.1 > 524.8	1.45e4	1.45e4	1.000	5.46	5.53	12.5	12.5	100.0	NO

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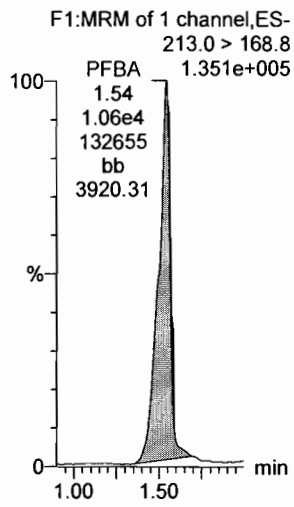
Dataset: F:\Projects\PFAS.PRO\Results\180227M1\180027M1-13.qld

Last Altered: Wednesday, February 28, 2018 11:58:52 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:04 Pacific Standard Time

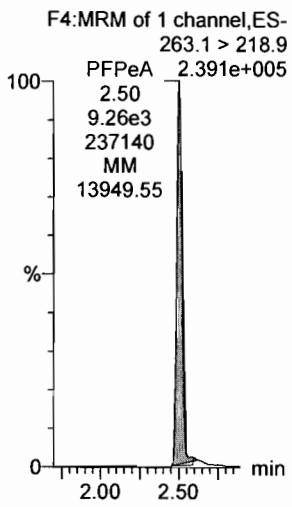
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_13, Date: 27-Feb-2018, Time: 21:36:56, ID: ICV180227M1-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

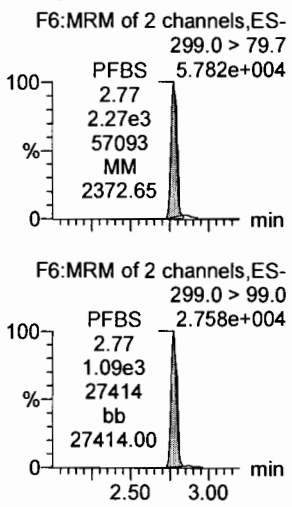
PFBA



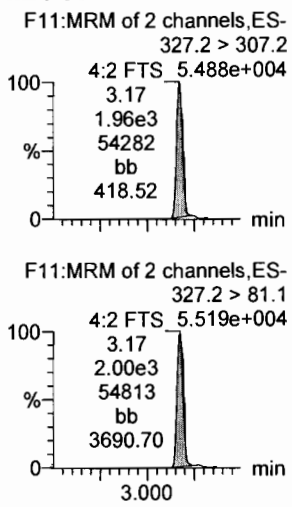
PFPeA



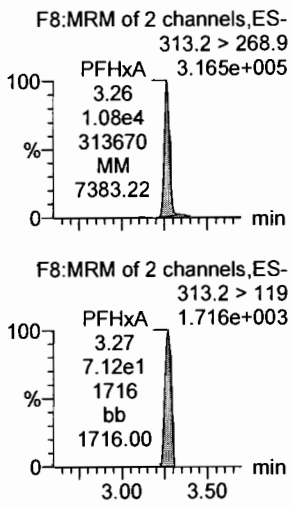
PFBS



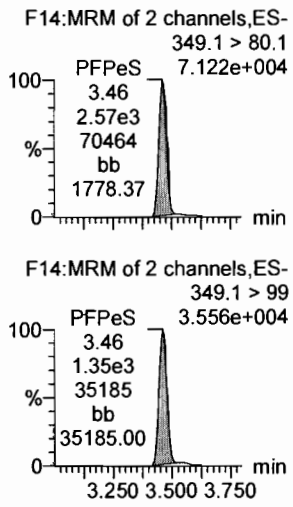
4:2 FTS



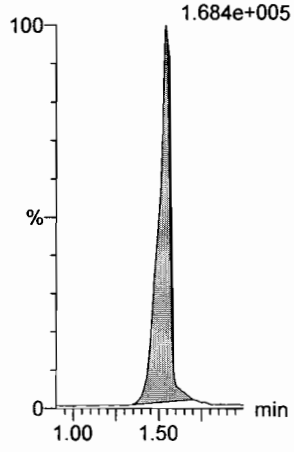
PFHxA



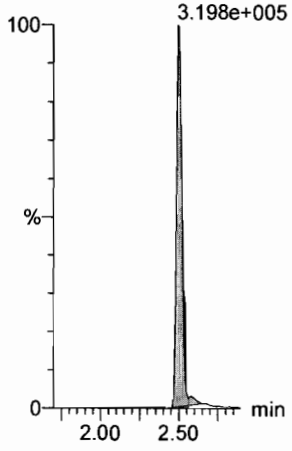
PFPeS



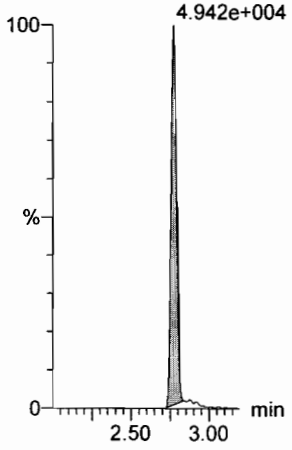
13C3-PFBA



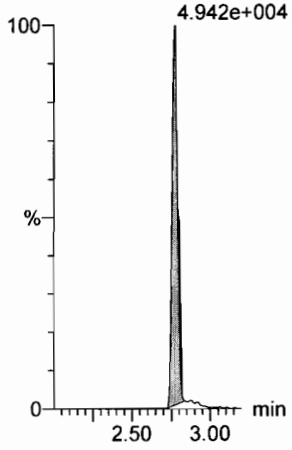
13C3-PFPeA



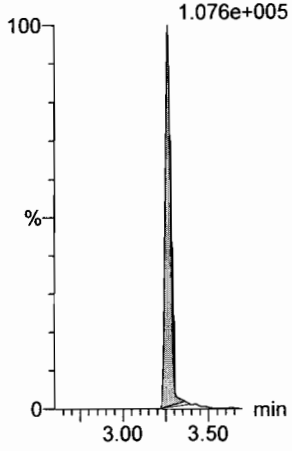
13C3-PFBS



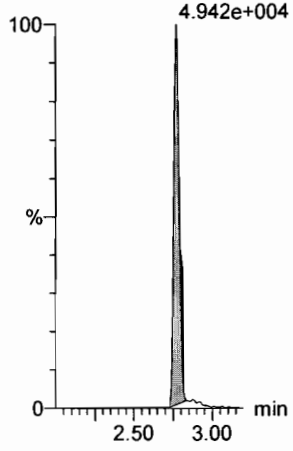
13C3-PFBS



13C2-PFHxA



13C3-PFBS



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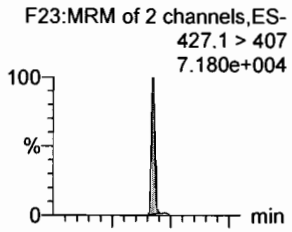
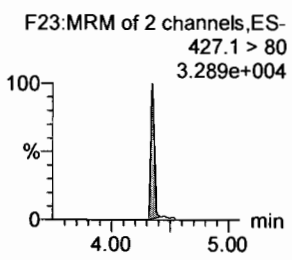
Printed: Wednesday, February 28, 2018 11:59:04 Pacific Standard Time

Name: 180227M1_13, Date: 27-Feb-2018, Time: 21:36:56, ID: ICV180227M1-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

6:2 FTS





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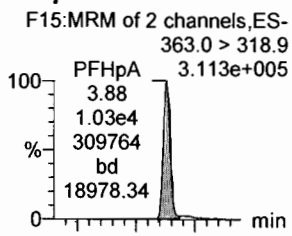

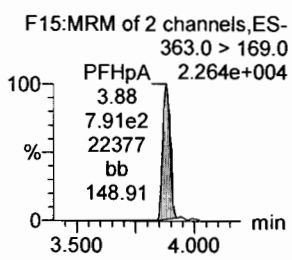

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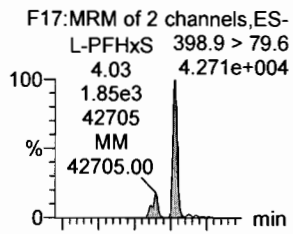

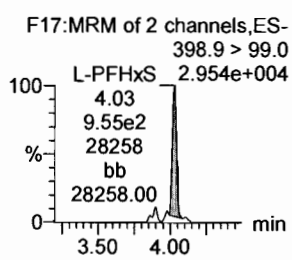

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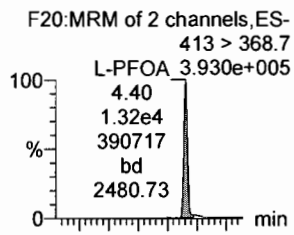

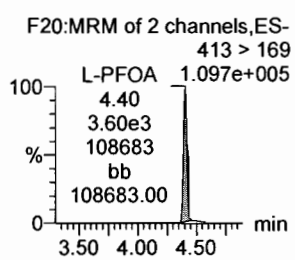

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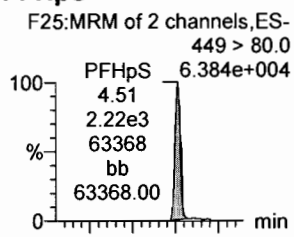

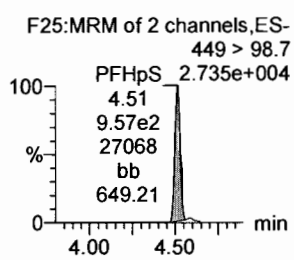

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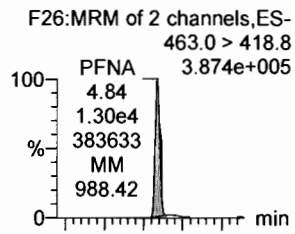

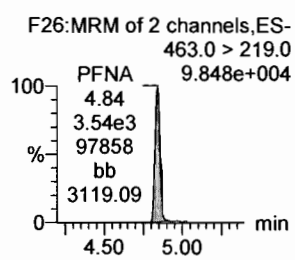

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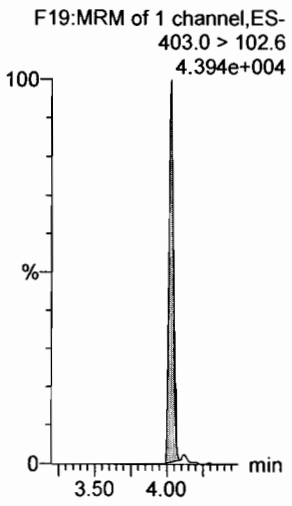

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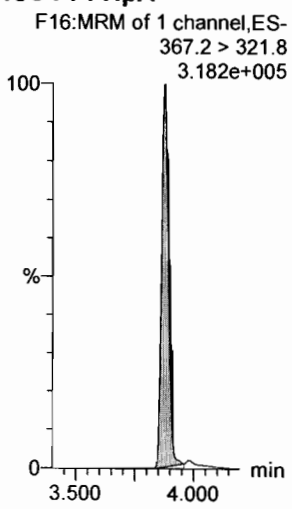

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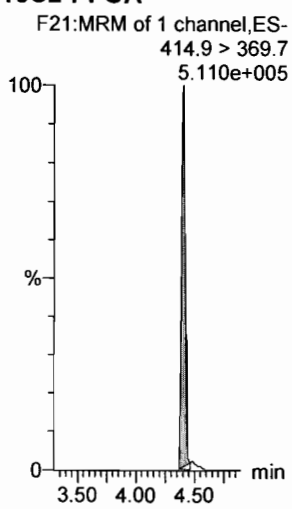

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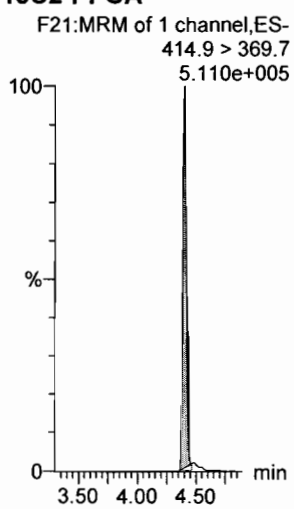

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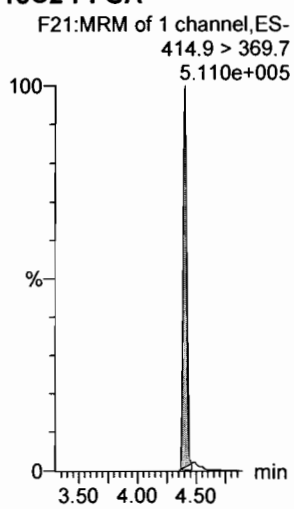

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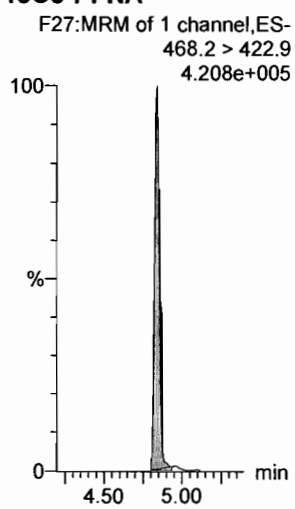

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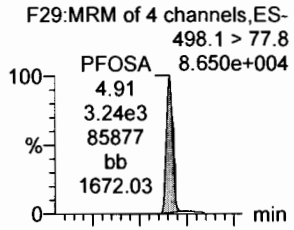
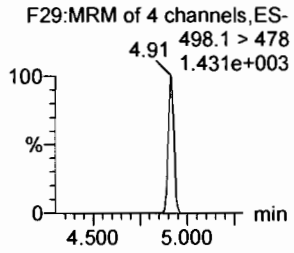
Name: 180227M1_13, Date: 27-Feb-2018, Time: 21:36:56, ID: ICV180227M1-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

PFOSA





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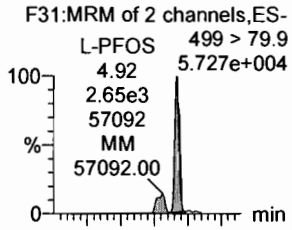

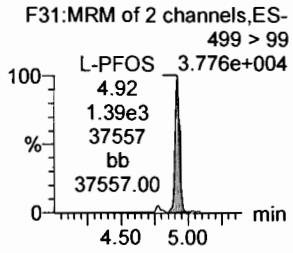

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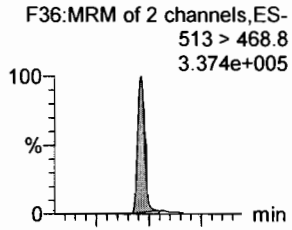

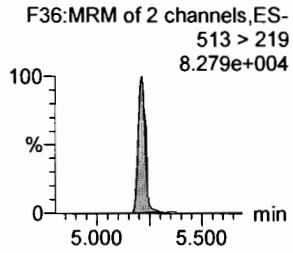

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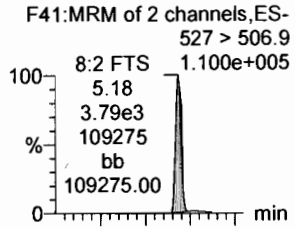

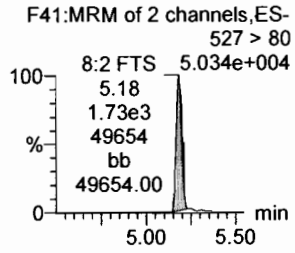

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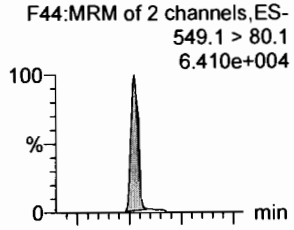

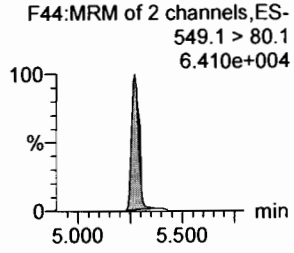

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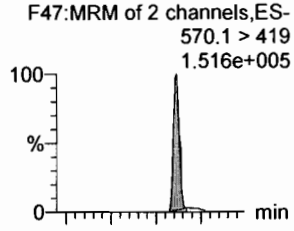

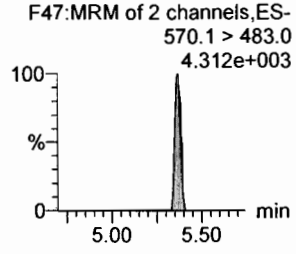

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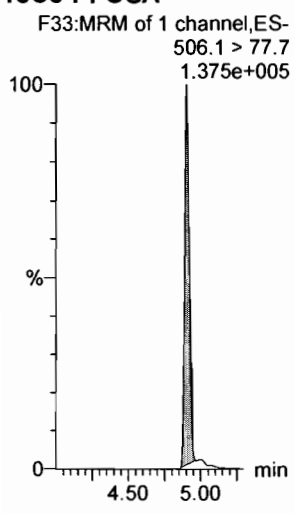

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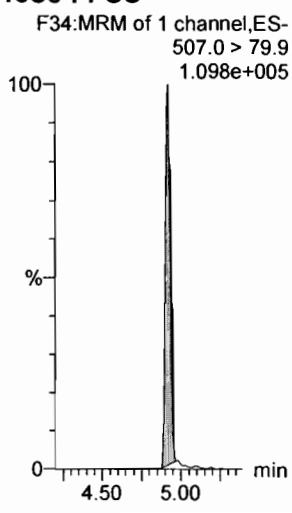

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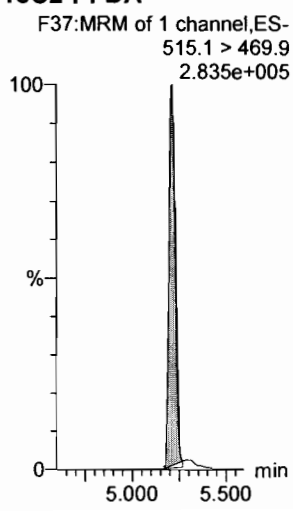

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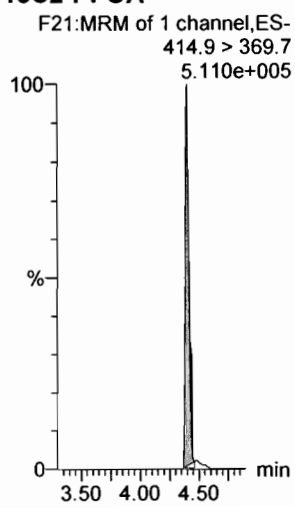

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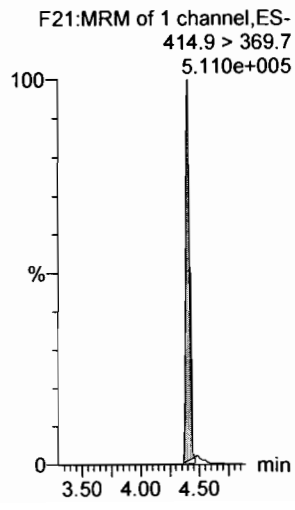

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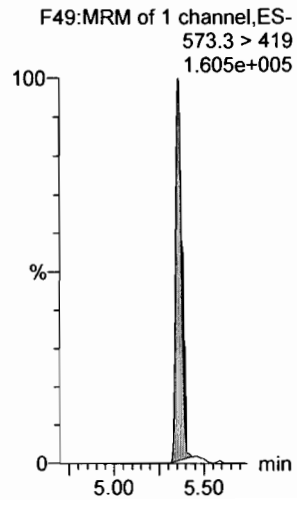

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Name: 180227M1_13, Date: 27-Feb-2018, Time: 21:36:56, ID: ICV180227M1-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

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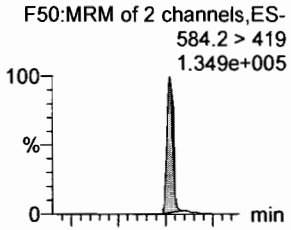

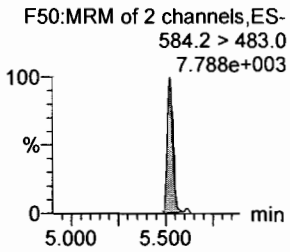

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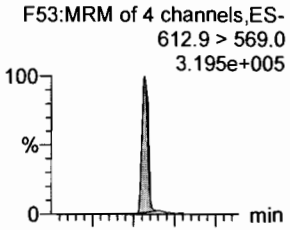

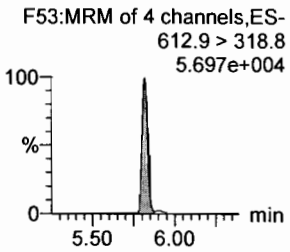

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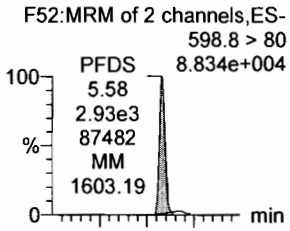

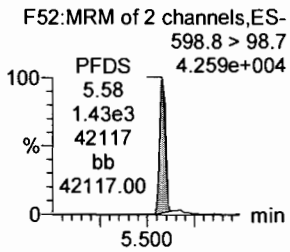

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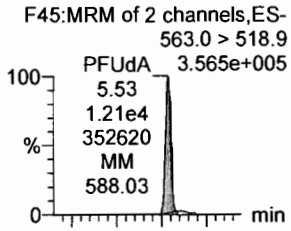

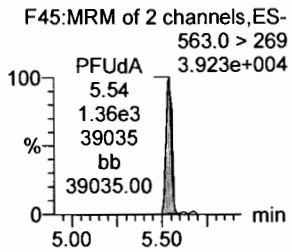

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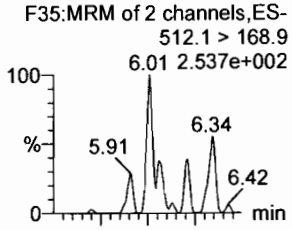

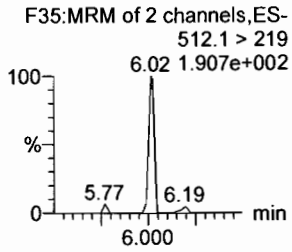

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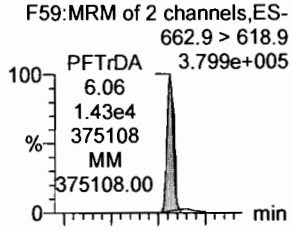

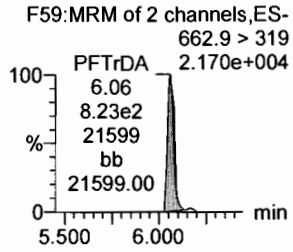

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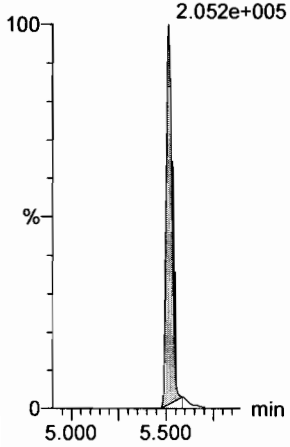

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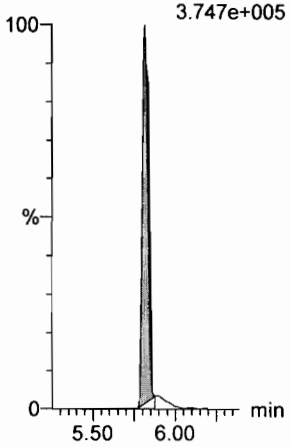

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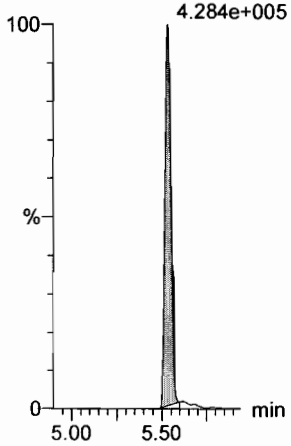
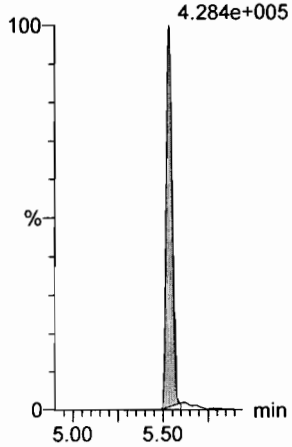


13C2-PFUdA



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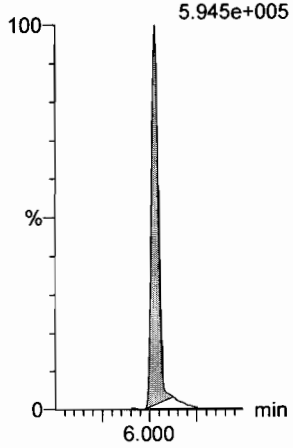

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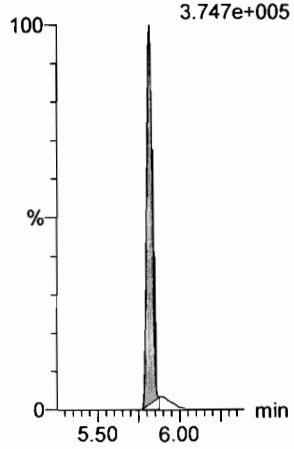

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Last Altered: Wednesday, February 28, 2018 11:58:52 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:04 Pacific Standard Time

Name: 180227M1_13, Date: 27-Feb-2018, Time: 21:36:56, ID: ICV180227M1-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

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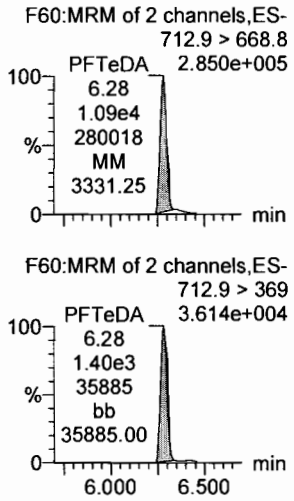

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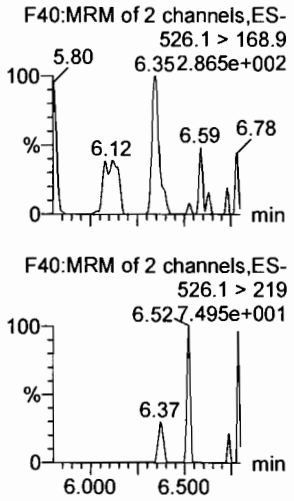

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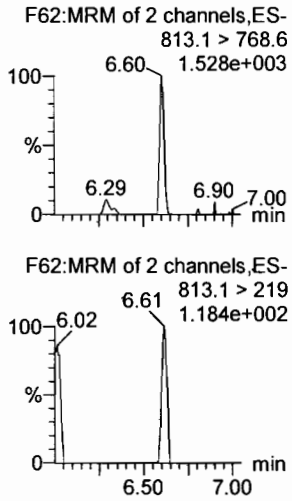

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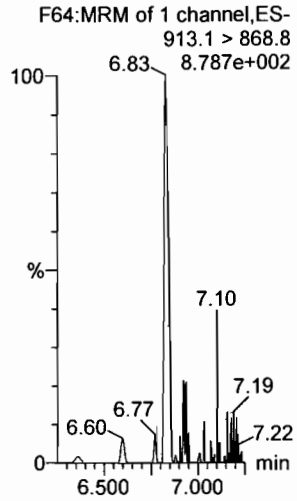

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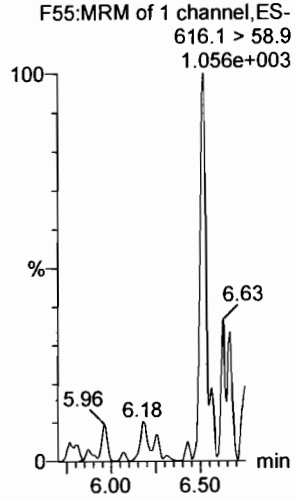

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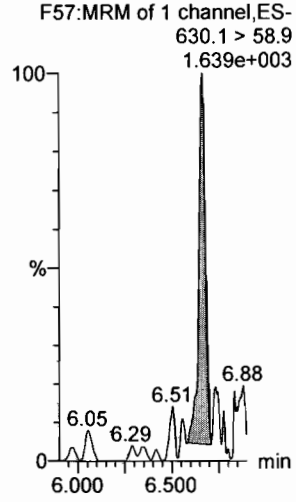

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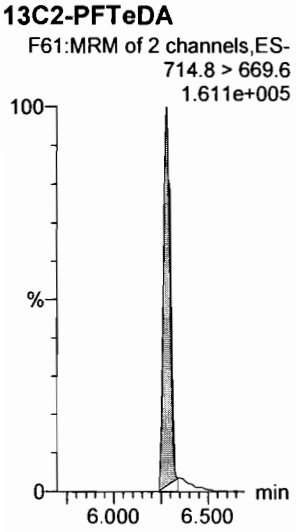

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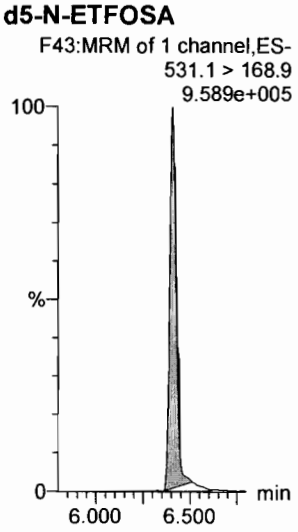

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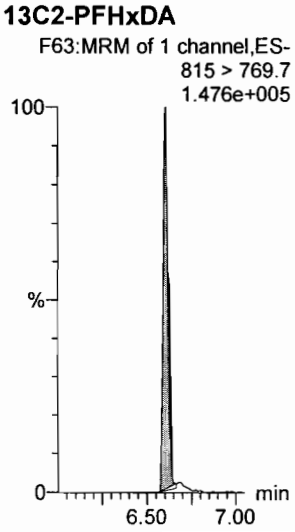

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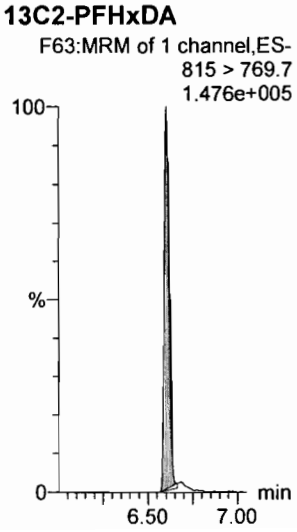

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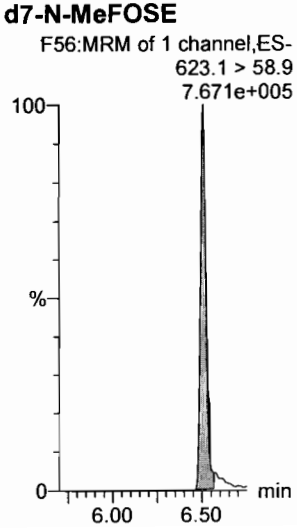

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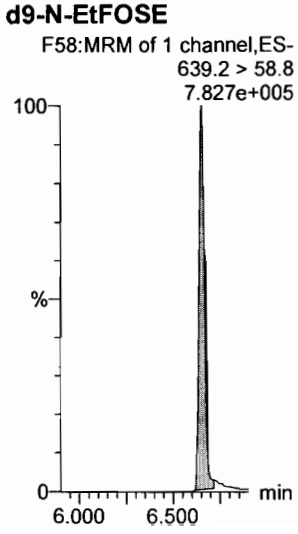

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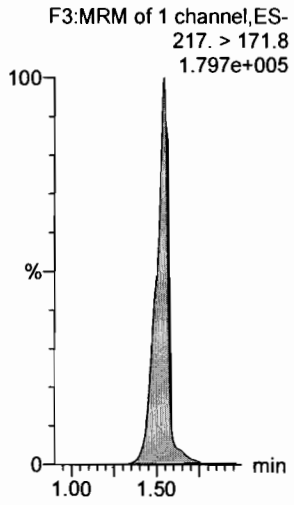
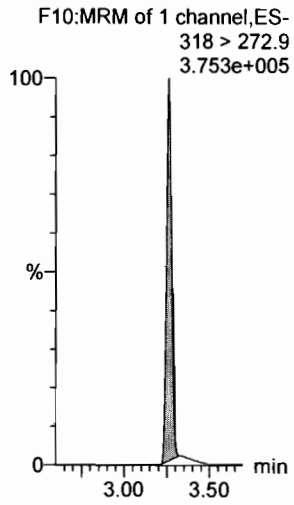
Last Altered: Wednesday, February 28, 2018 11:58:52 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:04 Pacific Standard Time

Name: 180227M1_13, Date: 27-Feb-2018, Time: 21:36:56, ID: ICV180227M1-1 PFC ICV 18B2311, Description: PFC ICV 18B2311

13C4-PFBA



13C5-PFHxA



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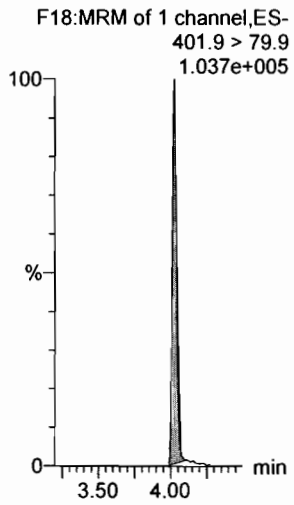

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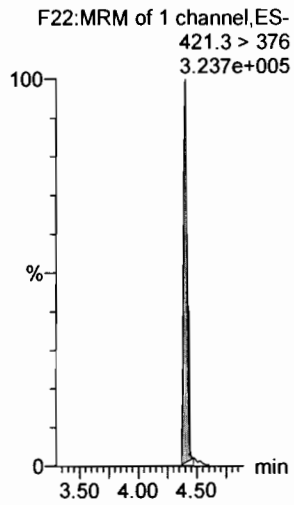

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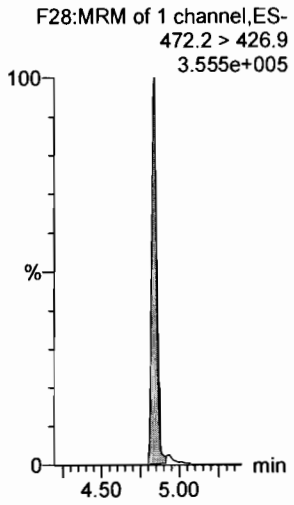

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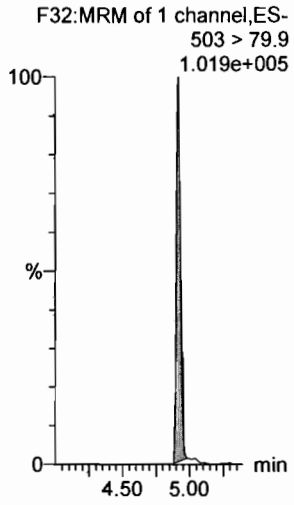

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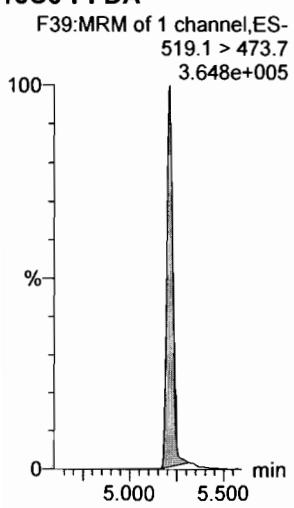

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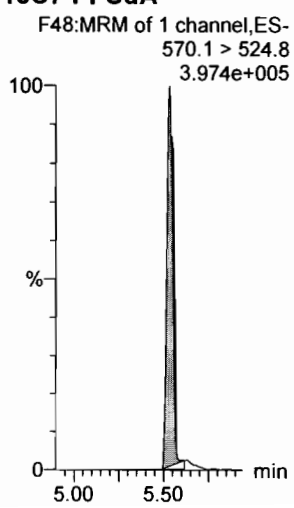


Vista Analytical Laboratory

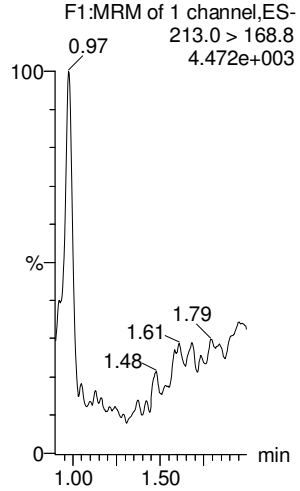
Dataset: Untitled

Last Altered: Wednesday, February 28, 2018 11:59:38 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:42 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_022718.mdb 28 Feb 2018 09:22:07
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_02-27-18-FULL.cdb 28 Feb 2018 11:20:16

Name: 180227M1_12, Date: 27-Feb-2018, Time: 21:25:26, ID: IPA, Description: IPA

PFBA



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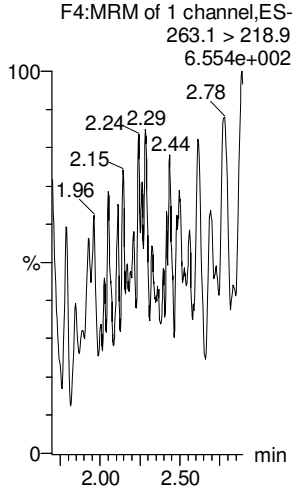

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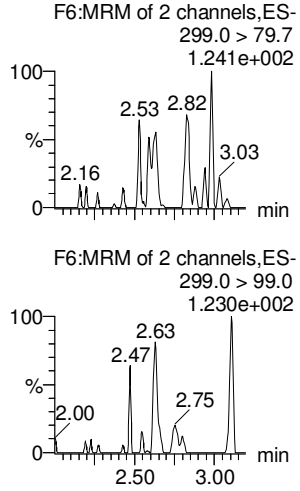

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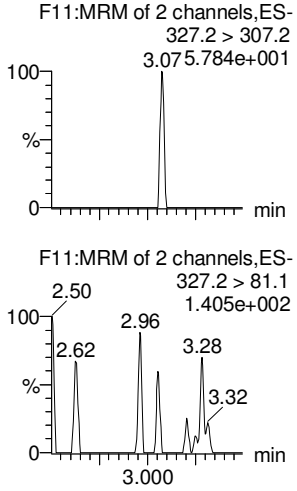

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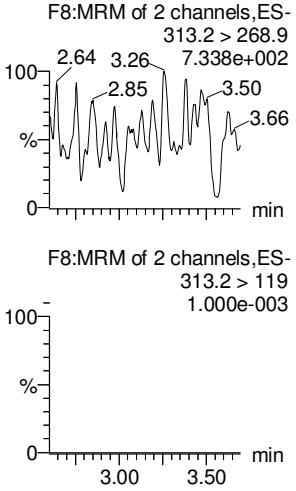

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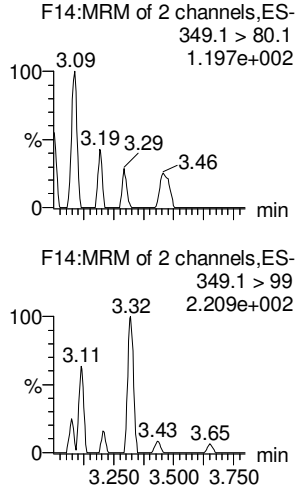

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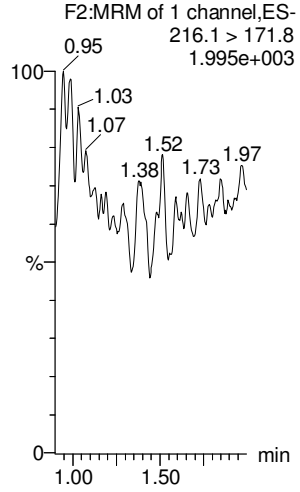

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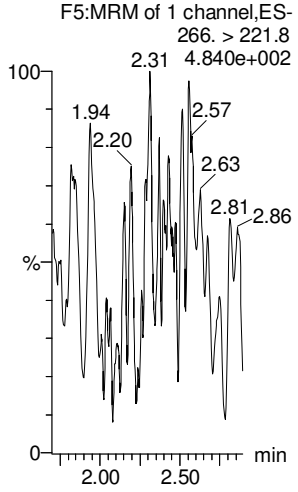

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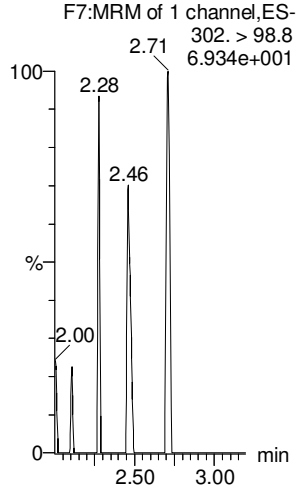

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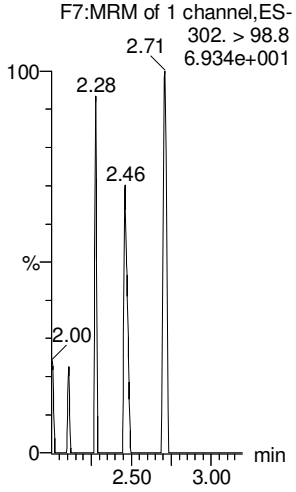

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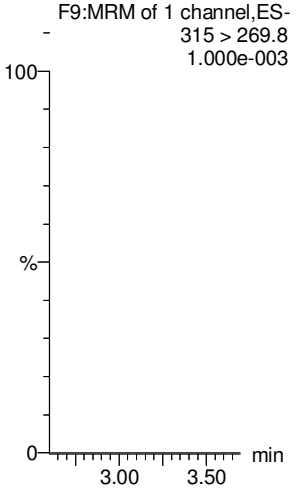

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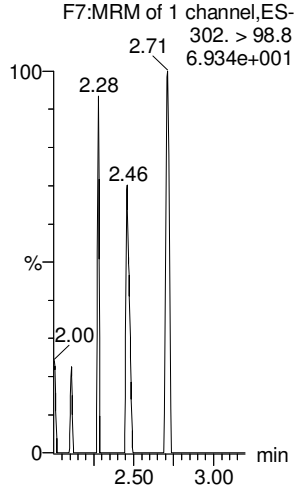

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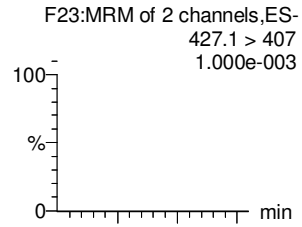
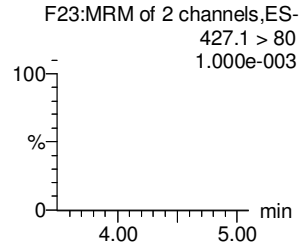
Last Altered: Wednesday, February 28, 2018 11:59:38 Pacific Standard Time
Printed: Wednesday, February 28, 2018 11:59:42 Pacific Standard Time

Name: 180227M1_12, Date: 27-Feb-2018, Time: 21:25:26, ID: IPA, Description: IPA

6:2 FTS





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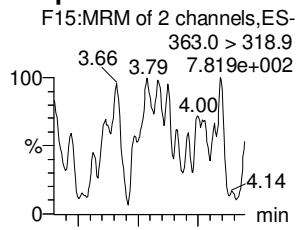
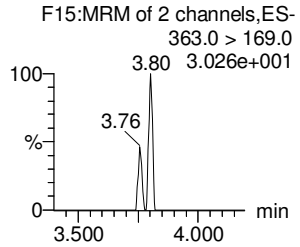
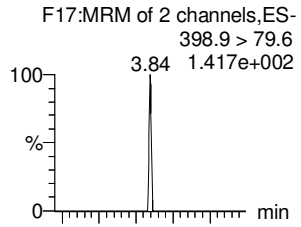
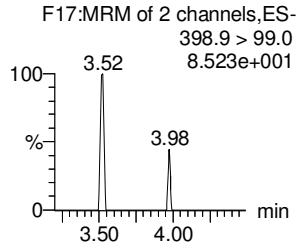


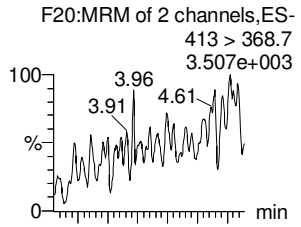


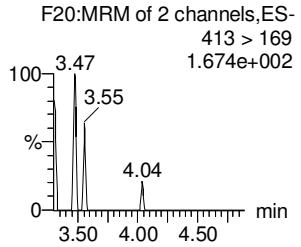
L-PFHxS





L-PFOA





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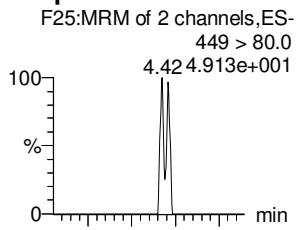

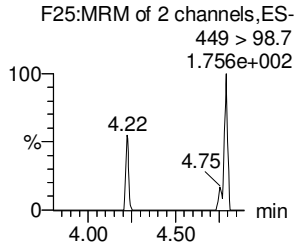

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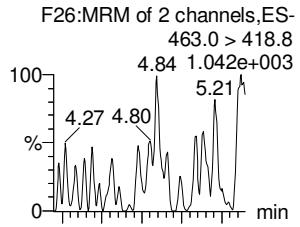

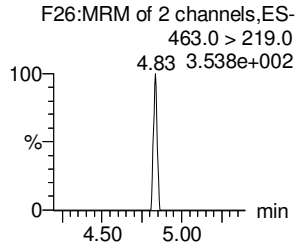

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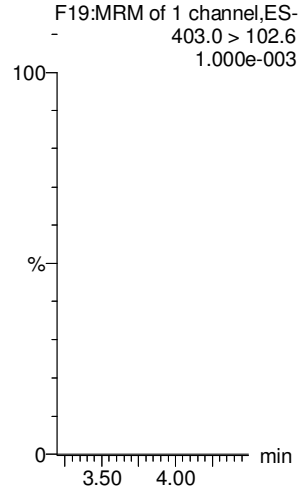

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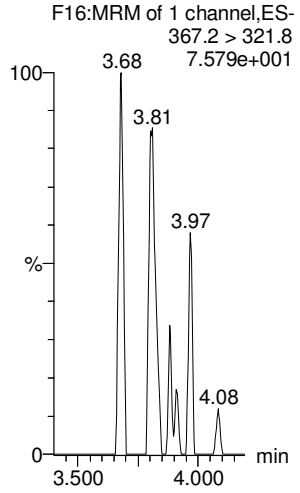

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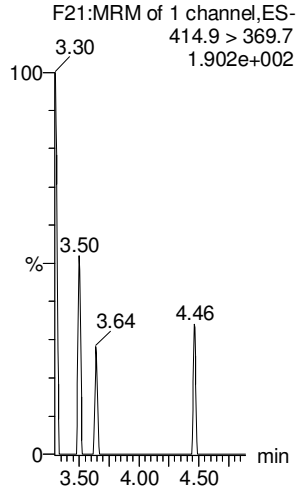

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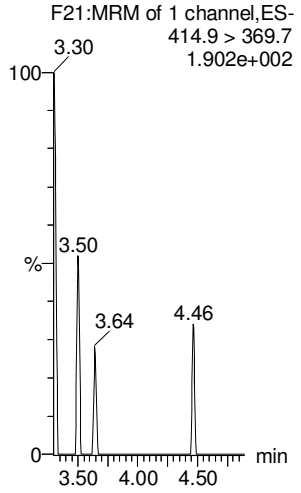

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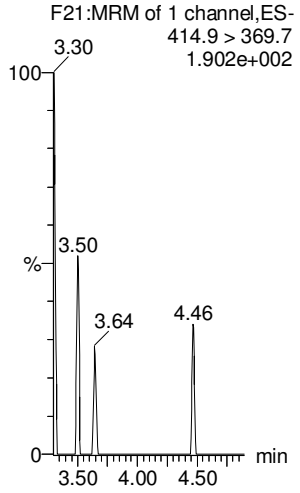

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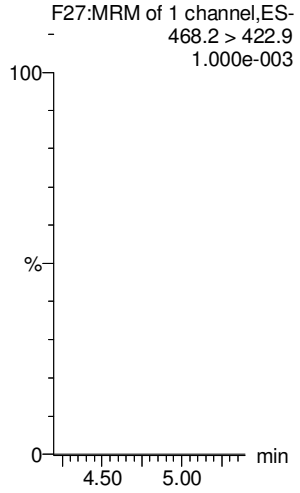

Vista Analytical Laboratory

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Printed: Wednesday, February 28, 2018 11:59:42 Pacific Standard Time

Name: 180227M1_12, Date: 27-Feb-2018, Time: 21:25:26, ID: IPA, Description: IPA

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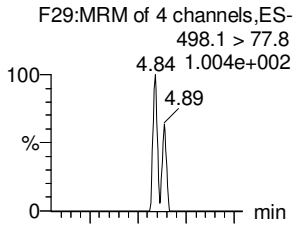

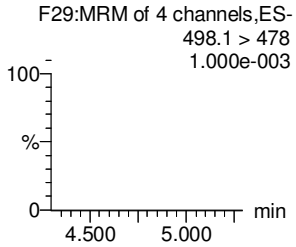

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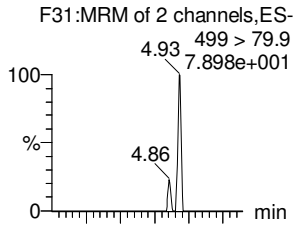

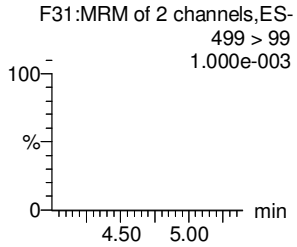

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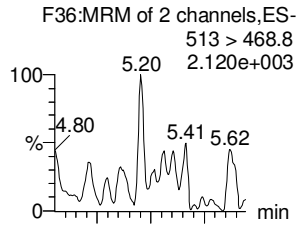

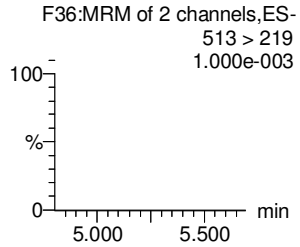

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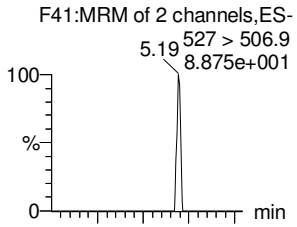

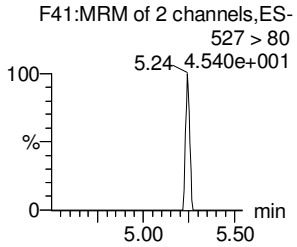

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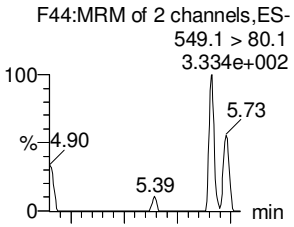

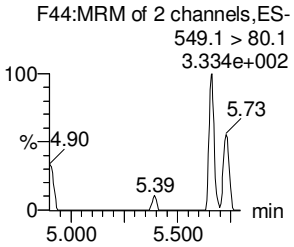

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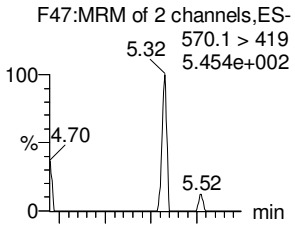

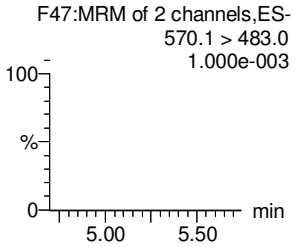

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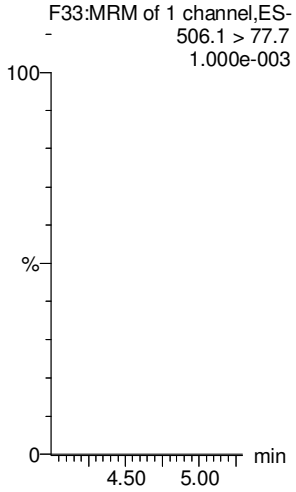

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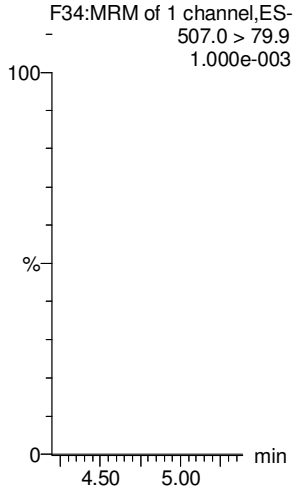

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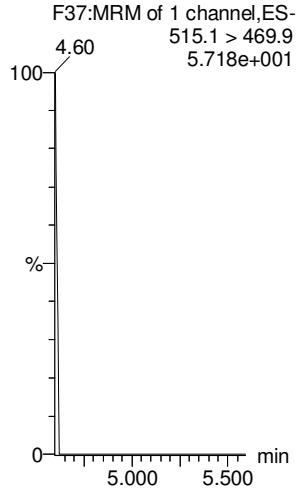

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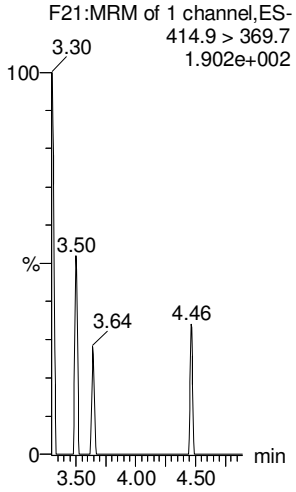

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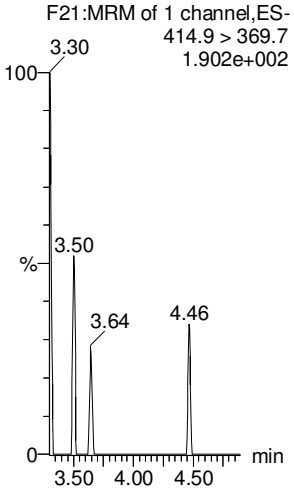

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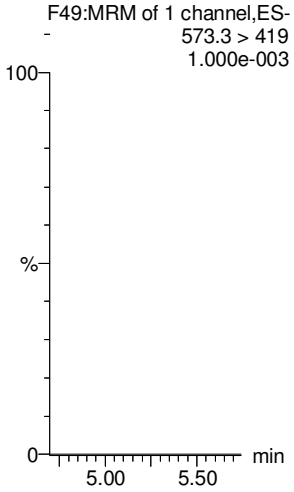

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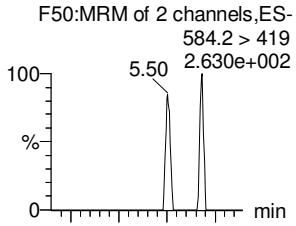

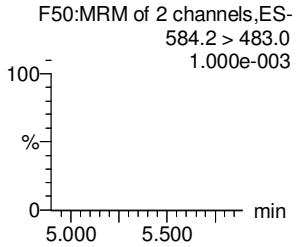

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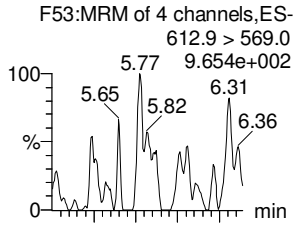

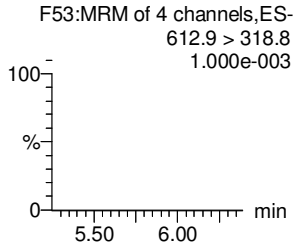

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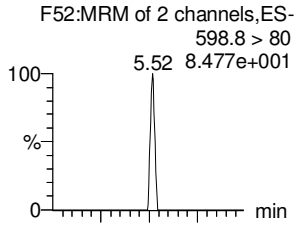

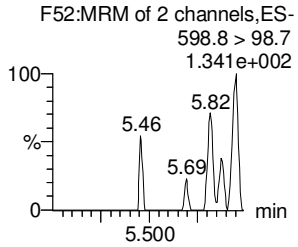

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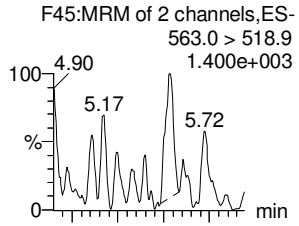

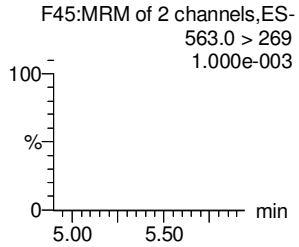

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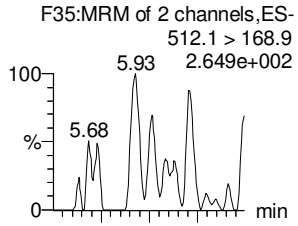

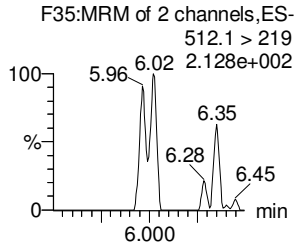

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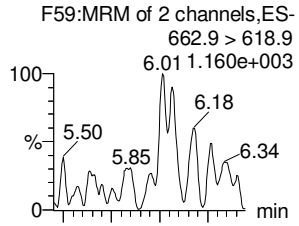

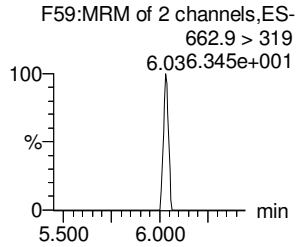

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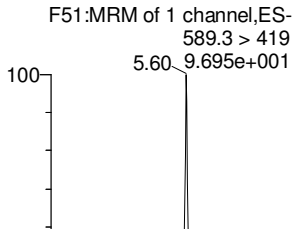

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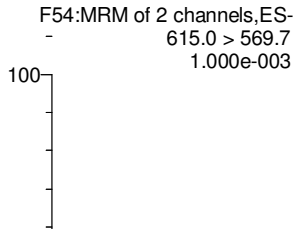

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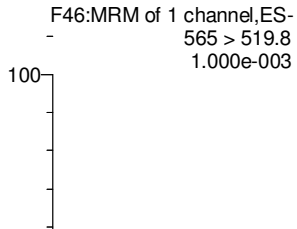

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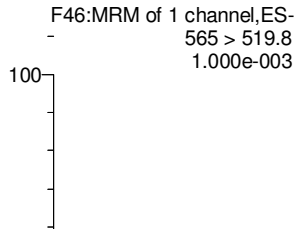

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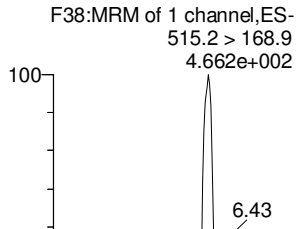

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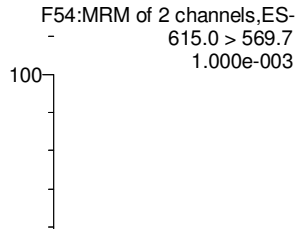

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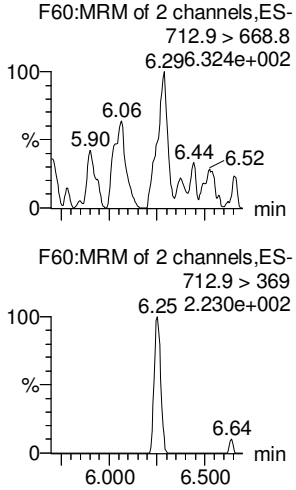

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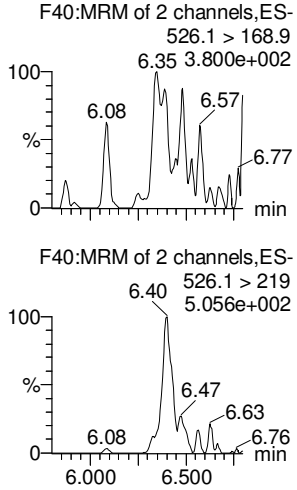

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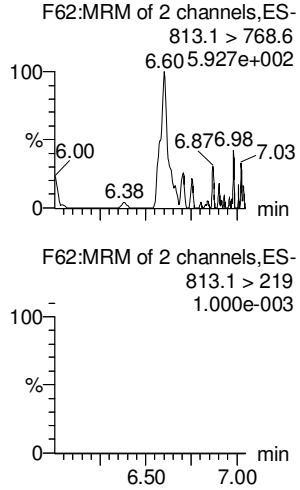

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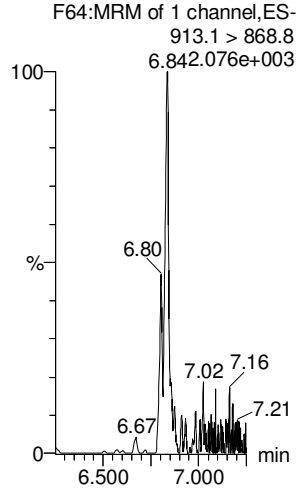

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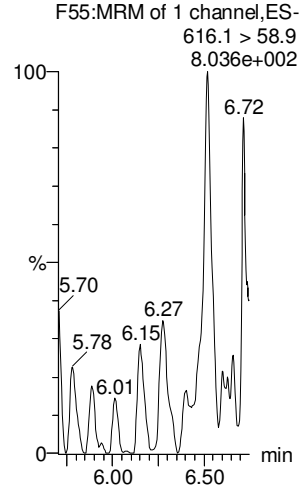

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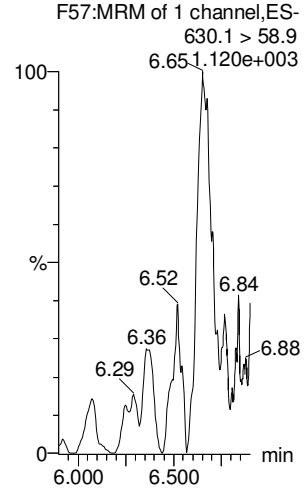

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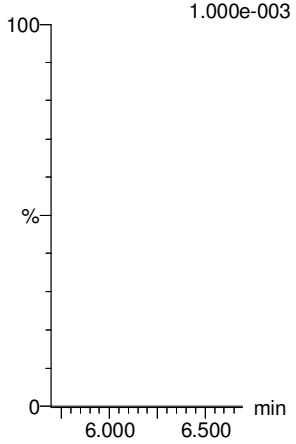

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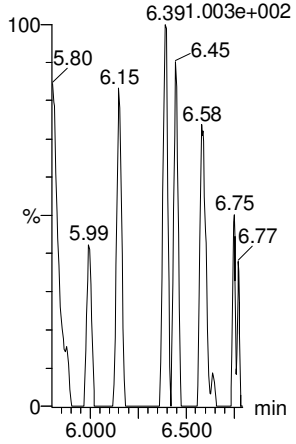

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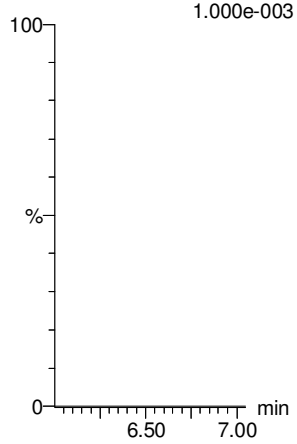

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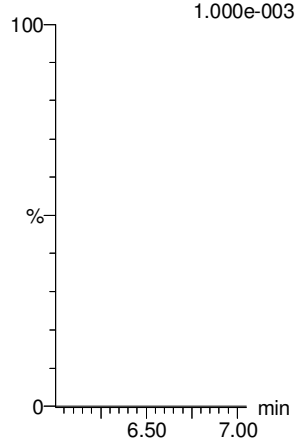

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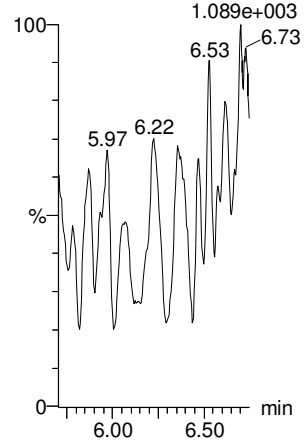

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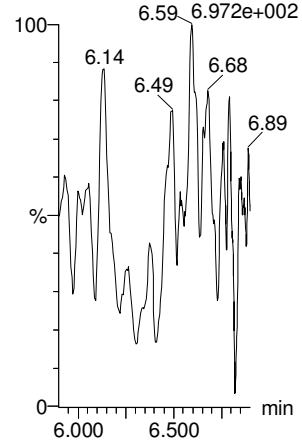

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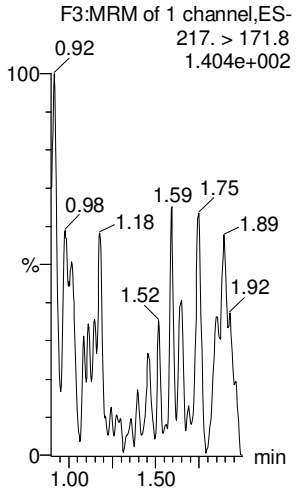

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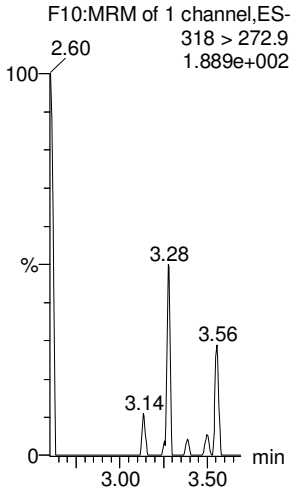

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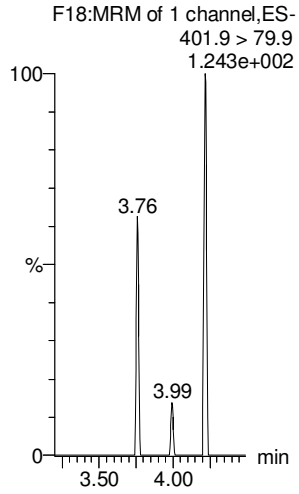

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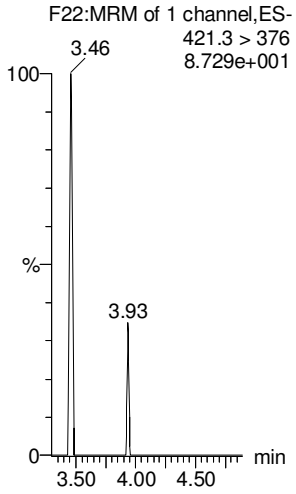
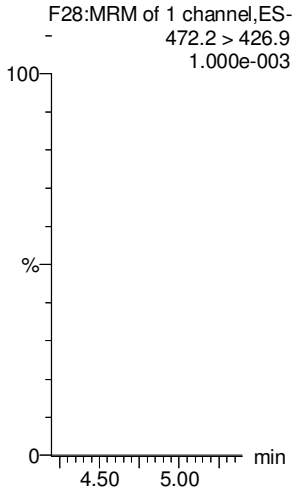
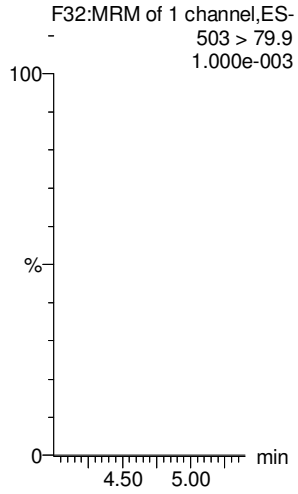


13C9-PFNA



13C4-PFOS



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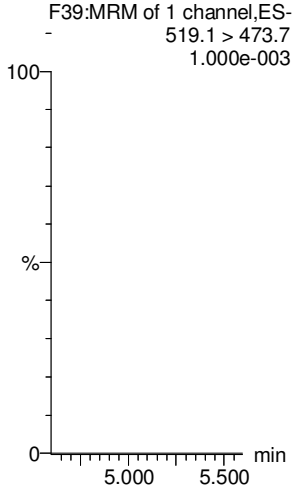

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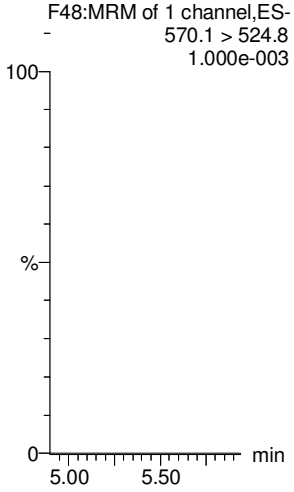


Results

Common_ID	SQ_CSQ_Number	Phase	Institution_ID	Sample_Name	GNAR_Code	Analysis_Group	Analytical_Method	PROJ_Code	Lab_Code	Lab_Name	Location_Method	Sample_Event	Detection_Method	Result_Type	Lab_SQ_Type	Sample_Medium	IC_Level	DateTime_Collected	Date_Received	Leachate_Date	Leachate_Time	Extraction_Date	Extraction_Time	Analysis_Date	Analysis_Time	Lab_Sample_ID	Dilution	Run_Number	Percent_Moisture	Percent_Lipid	Chem_Name	Analyte_ID	Analyte_Value	Original_Analyte_Value	Result_Units	Lab_QualFlor	Validator_QualFlor	QC_Column_Type	Analyte_Result_Type	Result_Narrative	QC_Control_Limit_Code	QC_Accuracy_Upper	QC_Accuracy_Lower	Control_Limit_Date	QC_Narrative	MDL	Detection_Limit	CRL	Version	RL	LOD	LOQ	Batch	Validator_Name	Val_Date
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	2.86		NG_L	U		PR	TRG		5.1	1.95	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			PFHxA	307-24-4	2.90		NG_L	J		PR	TRG		5.1	2.38	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	2.41		NG_L	J		PR	TRG		5.1	0.845	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	9.16		NG_L			PR	TRG		5.1	1.03	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			Perfluorooctanoic acid (PFOA)	335-67-1	17.6		NG_L			PR	TRG		5.1	0.710	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			Perfluorooctanesulfonic acid (PFOS)	1763-23-1	5.43		NG_L			PR	TRG		5.1	0.883	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.43		NG_L	U		PR	TRG		5.1	1.62	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			PFDA	335-76-2	5.43		NG_L	U		PR	TRG		5.1	1.09	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			MeFOSAA	2058-94-8	5.43		NG_L	U		PR	TRG		5.1	1.19	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			EtFOSAA	2991-50-6	5.43		NG_L	U		PR	TRG		5.1	1.49	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			PFUnA	2058-94-8	5.43		NG_L	U		PR	TRG		5.1	0.864	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			PFTrDA	72629-94-8	5.43		NG_L	U		PR	TRG		5.1	0.539	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:03	02/16/2018			20180223	11:00:00	20180301	16:38:00	180302A-01	1	-999			PFTeDA	376-06-7	5.43		NG_L	U		PR	TRG		5.1	0.710	5.43	8.72	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	5.39		NG_L	U		PR	TRG		5.1	1.93	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			PFHxA	307-24-4	5.39		NG_L	U		PR	TRG		5.1	2.34	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.39		NG_L	U		PR	TRG		5.1	0.838	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	1.92		NG_L	J		PR	TRG		5.1	1.02	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			Perfluorooctanoic acid (PFOA)	335-67-1	5.39		NG_L	U		PR	TRG		5.1	0.704	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			Perfluorooctane Sulfonate (PFOS)	1763-23-1	5.39		NG_L	U		PR	TRG		5.1	0.969	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.39		NG_L	U		PR	TRG		5.1	0.871	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			PFDA	335-76-2	5.39		NG_L	U		PR	TRG		5.1	1.60	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			MeFOSAA	2355-31-9	5.39		NG_L	U		PR	TRG		5.1	1.77	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			PFUnA	2058-94-8	5.39		NG_L	U		PR	TRG		5.1	1.19	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			EtFOSAA	2991-50-6	5.39		NG_L	U		PR	TRG		5.1	1.47	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			PFDoA	307-55-1	5.39		NG_L	U		PR	TRG		5.1	0.852	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			PFTrDA	72629-94-8	5.39		NG_L	U		PR	TRG		5.1	0.531	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:04	02/16/2018			20180223	11:00:00	20180301	16:50:00	180302A-02	1	-999			PFTeDA	376-06-7	5.39		NG_L	U		PR	TRG		5.1	0.812	5.39	8.60	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	5.53		NG_L	U		PR	TRG		5.1	1.99	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			PFHxA	307-24-4	5.53		NG_L	U		PR	TRG		5.1	2.41	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.53		NG_L	U		PR	TRG		5.1	0.853	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	5.53		NG_L	U		PR	TRG		5.1	1.05	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			Perfluorooctanoic acid (PFOA)	335-67-1	4.29		NG_L	J		PR	TRG		5.1	0.710	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			Perfluorooctane Sulfonate (PFOS)	1763-23-1	5.53		NG_L	U		PR	TRG		5.1	0.969	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.53		NG_L	U		PR	TRG		5.1	0.869	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			PFDA	335-76-2	5.53		NG_L	U		PR	TRG		5.1	1.65	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			MeFOSAA	2355-31-9	5.53		NG_L	U		PR	TRG		5.1	1.82	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			PFUnA	2058-94-8	5.53		NG_L	U		PR	TRG		5.1	1.16	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			EtFOSAA	2991-50-6	5.53		NG_L	U		PR	TRG		5.1	1.49	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			PFDoA	307-55-1	5.53		NG_L	U		PR	TRG		5.1	0.875	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			PFTrDA	72629-94-8	5.53		NG_L	U		PR	TRG		5.1	0.548	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:38	02/16/2018			20180223	11:00:00	20180301	17:35:00	180302A-03	1	-999			PFTeDA	376-06-7	5.53		NG_L	U		PR	TRG		5.1	0.654	5.53	8.84	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	5.34		NG_L	U		PR	TRG		5.1	1.91	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			PFHxA	307-24-4	5.34		NG_L	U		PR	TRG		5.1	2.30	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.34		NG_L	U		PR	TRG		5.1	0.814	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	1.86	J	NG_L	J		PR	TRG		5.1	0.984	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			Perfluorooctanoic acid (PFOA)	335-67-1	5.34		NG_L	U		PR	TRG		5.1	0.883	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			Perfluorooctane Sulfonate (PFOS)	1763-23-1	5.34		NG_L	U		PR	TRG		5.1	1.09	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.34		NG_L	U		PR	TRG		5.1	1.76	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			PFDA	335-76-2	5.34		NG_L	U		PR	TRG		5.1	1.03	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			MeFOSAA	2355-31-9	5.34		NG_L	U		PR	TRG		5.1	1.12	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			PFUnA	2058-94-8	5.34		NG_L	U		PR	TRG		5.1	1.46	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			EtFOSAA	2991-50-6	5.34		NG_L	U		PR	TRG		5.1	1.40	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			PFDoA	307-55-1	5.34		NG_L	U		PR	TRG		5.1	0.847	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			PFTrDA	72629-94-8	5.34		NG_L	U		PR	TRG		5.1	0.539	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RB03-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 15:39	02/16/2018			20180223	11:00:00	20180301	17:47:00	180302A-04	1	-999			PFTeDA	376-06-7	5.34		NG_L	U		PR	TRG		5.1	0.807	5.34	8.55	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW08-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 17:18	02/16/2018			20180223	11:00:00	20180301	17:58:00	180302A-05	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	5.58		NG_L	U		PR	TRG		5.1	1.99	5.58	8.91	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW08-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 17:18	02/16/2018			20180223	11:00:00	20180301	17:58:00	180302A-05	1	-999			PFHxA	307-24-4	5.58		NG_L	U		PR	TRG		5.1	2.43	5.58	8.91	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW08-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/15/2018 17:18	02/16/2018			20180223	11:00:00	20180301	17:58:00	180302A-05	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.58		NG_L	U		PR	TRG		5.1	0.852	5.58	8.91	180223A	SB80999				
MSH07010R3000 WEG1			OCEANA_NAS	OF-RW08-0218	NONS	SVOA	537_MOD	ORG	VISTA

| Common_ID | SU_CSU_Number | Phase | Institution_ID | Sample_Number | GNSN_Code | Analysis_Group | Analytical_Method | PROC_Code | Lab_Code | Lab_Name | Lab_Country | Sample_Medium | QC_Level | Date/Time Collected | Date Received | Leachate_Date | Leachate_Time | Extraction_Method | Result_Type | Lab_QU_Type | Sample_Medium | QC_Level | Date/Time Collected | Extraction_Date | Extraction_Time | Analysis_Date | Analysis_Time | Lab_Sample_ID | Dilution | Run_Number | Percent_Moisture | Percent_Lipid | Chem_Name | Analyte_ID | Analyte_Value | Original_Analyte_Value | Result_Units | Lab_Qualifier | Validator_Qualifier | QC_Column_Type | Analyte_Result_Type | Result_Narrative | QC_Control_Limit_Code | QC_Accuracy_Upper | QC_Accuracy_Lower | Control_Limit_Date | QC_Narrative | MDL | Detection_Limit | CRL | CRL_Version | SL | LOD | LOQ | SDG | Analyte_Batch | Validator_Name | Val_Date |
|---|---|---

Common_ID	SQ_CSQ_Number	Phase	Institution_ID	Sample_Number	DNA_Code	Analysis_Group	Analytical_Method	PEG_Code	Lab_Code	Lab_Name	Sample_Matrix	Sample_Event	Extraction_Method	Result_Type	Lab_SQ_Type	Sample_Medium	IC_Level	Date/Time_Collected	Date_Received	Leachate_Date	Leachate_Time	Extraction_Time	Analysis_Date	Analysis_Time	Lab_Sample_ID	Dilution	Run_Number	Percent_Moisture	Percent_Lipid	Chem_Name	Analyte_ID	Analyte_Value	Original_Analyte_Value	Result_Units	Lab_Qualifier	Validator_Qualifier	QC_Column_Type	Analyte_Result_Type	Result_Narrative	QC_Control_Limit_Code	QC_Accuracy_Upper	QC_Accuracy_Lower	Control_Limit_Date	QC_Narrative	MDL	Detection_Limit	ERB_Version	RL	LOD	LOQ	SDG	Analysis_Batch	Validator_Name	VM_Date
WQ4075182000000.WEG1			OCEANA_NAS	OF-FB09-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 16:13	02/09/2018			20180212	11:30:00	20180223	11:29:00	1802094-15	1	-999			PFTrDA	72629-94-8	5.43		NG_L	U		PR	TRG										5.1	0.539	5.43	8.72	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-FB09-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 16:13	02/09/2018			20180212	11:30:00	20180223	11:29:00	1802094-15	1	-999			PFTeDA	376-06-7	5.43		NG_L	U		PR	TRG										5.1	0.823	5.43	8.72	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:42	02/09/2018			20180226	13:21:00	20180307	20:24:00	1802094-16	1	-999			Perfluoroheptanesulfonic acid (PFHpS)	375-73-5	3.09		NG_L	J		PR	TRG										5.1	1.86	5.30	8.49	1802094	SBC0009		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:42	02/09/2018			20180226	13:21:00	20180307	20:24:00	1802094-16	1	-999			PFHxA	307-24-4	5.30		NG_L	U		PR	TRG										5.1	2.31	5.30	8.49	1802094	SBC0009		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:42	02/09/2018			20180226	13:21:00	20180307	20:24:00	1802094-16	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	3.30		NG_L	U		PR	TRG										5.1	0.627	5.30	8.49	1802094	SBC0009		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:42	02/09/2018			20180226	13:21:00	20180307	20:24:00	1802094-16	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	3.30		NG_L	U		PR	TRG										5.1	1.09	5.30	8.49	1802094	SBC0009		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:42	02/09/2018			20180226	13:21:00	20180307	20:24:00	1802094-16	1	-999			MeFOSAA	2355-31-9	5.30		NG_L	U		PR	TRG										5.1	1.78	5.30	8.49	1802094	SBC0009		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:42	02/09/2018			20180226	13:21:00	20180307	20:24:00	1802094-16	1	-999			EtFOSAA	2991-50-6	5.30		NG_L	U		PR	TRG										5.1	1.45	5.30	8.49	1802094	SBC0009		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:42	02/09/2018			20180226	13:21:00	20180307	20:24:00	1802094-16	1	-999			PFDoA	307-55-1	5.30		NG_L	U		PR	TRG										5.1	0.524	5.30	8.49	1802094	SBC0009		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:42	02/09/2018			20180226	13:21:00	20180307	20:24:00	1802094-16	1	-999			PFTeDA	376-06-7	5.647		NG_L	J		PR	TRG										5.1	0.863	5.30	8.49	1802094	SBC0009		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:42	02/09/2018			20180212	11:30:00	20180223	11:52:00	1802094-17	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	5.34		NG_L	U		PR	TRG										5.1	1.91	5.34	8.53	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-FB31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:43	02/09/2018			20180212	11:30:00	20180223	11:52:00	1802094-17	1	-999			PFHxA	307-24-4	5.34		NG_L	U		PR	TRG										5.1	2.32	5.34	8.53	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-FB31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:43	02/09/2018			20180212	11:30:00	20180223	11:52:00	1802094-17	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.34		NG_L	U		PR	TRG										5.1	0.627	5.34	8.53	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-FB31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:43	02/09/2018			20180212	11:30:00	20180223	11:52:00	1802094-17	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.34		NG_L	U		PR	TRG										5.1	1.09	5.34	8.53	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-FB31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:43	02/09/2018			20180212	11:30:00	20180223	11:52:00	1802094-17	1	-999			MeFOSAA	2355-31-9	5.34		NG_L	U		PR	TRG										5.1	1.78	5.34	8.53	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-FB31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:43	02/09/2018			20180212	11:30:00	20180223	11:52:00	1802094-17	1	-999			EtFOSAA	2991-50-6	5.34		NG_L	U		PR	TRG										5.1	1.45	5.34	8.53	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-FB31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:43	02/09/2018			20180212	11:30:00	20180223	11:52:00	1802094-17	1	-999			PFDoA	307-55-1	5.34		NG_L	U		PR	TRG										5.1	0.844	5.34	8.53	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-FB31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:43	02/09/2018			20180212	11:30:00	20180223	11:52:00	1802094-17	1	-999			PFTeDA	376-06-7	5.34		NG_L	U		PR	TRG										5.1	0.863	5.34	8.53	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-FB31-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/08/2018 17:43	02/09/2018			20180212	11:30:00	20180223	11:52:00	1802094-17	1	-999			PFTrDA	72629-94-8	5.34		NG_L	U		PR	TRG										5.1	0.829	5.34	8.53	1802094	SB80055		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW56-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/14/2018 13:32	02/16/2018			20180222	12:45:00	20180302	05:58:00	1803029-01	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	3.84		NG_L	U		PR	TRG										5.1	1.06	5.43	8.72	1803029	SB80069		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW56-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/14/2018 13:32	02/16/2018			20180222	12:45:00	20180302	05:58:00	1803029-01	1	-999			PFHxA	307-24-4	25.6		NG_L	J		PR	TRG										5.1	2.39	5.43	8.72	1803029	SB80069		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW56-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/14/2018 13:32	02/16/2018			20180222	12:45:00	20180302	05:58:00	1803029-01	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	4.88		NG_L	J		PR	TRG										5.1	0.645	5.43	8.72	1803029	SB80069		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW56-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/14/2018 13:32	02/16/2018			20180222	12:45:00	20180302	05:58:00	1803029-01	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.43		NG_L	U		PR	TRG										5.1	1.11	5.43	8.72	1803029	SB80069		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW56-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/14/2018 13:32	02/16/2018			20180222	12:45:00	20180302	05:58:00	1803029-01	1	-999			Perfluorooctanesulfonic acid (PFOS)	1763-23-1	432		NG_L			PR	TRG										5.1	0.882	5.43	8.72	1803029	SB80069		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW56-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/14/2018 13:32	02/16/2018			20180222	12:45:00	20180302	05:58:00	1803029-01	1	-999			PFTeDA	376-06-7	5.43		NG_L	U		PR	TRG										5.1	0.863	5.43	8.72	1803029	SB80069		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW56-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/14/2018 13:32	02/16/2018			20180222	12:45:00	20180302	05:58:00	1803029-01	1	-999			PFTrDA	72629-94-8	5.43		NG_L	U		PR	TRG										5.1	0.539	5.43	8.72	1803029	SB80069		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW56-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/14/2018 13:32	02/16/2018			20180222	12:45:00	20180302	05:58:00	1803029-01	1	-999			MeFOSAA	2355-31-9	5.43		NG_L	U		PR	TRG										5.1	1.78	5.43	8.72	1803029	SB80069		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW56-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/14/2018 13:32	02/16/2018			20180222	12:45:00	20180302	05:58:00	1803029-01	1	-999			EtFOSAA	2991-50-6	5.43		NG_L	U		PR	TRG										5.1	1.45	5.43	8.72	1803029	SB80069		
WQ4075182000000.WEG1			OCEANA_NAS	OF-RW56-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/14/2018 13:32	02/16/2018			20180222	12:45:00	20180302	05:58:00	1803029-01	1	-999			PFDoA	307-55-1	5.43		NG_L	U		PR	TRG										5.1	1.02

Common_ID	SU_CSU_Number	Phase	Institution_ID	Sample_Name	Analysis_Group	Analytical_Method	PACE_Code	Lab_Code	Lab_Name	Lab_Received	Sample_Event	Extraction_Method	Result_Type	Lab_SU_Type	Sample_Medium	QC_Level	Date/Time_Collected	Date_Received	Leachate_Date	Leachate_Time	Extraction_Date	Extraction_Time	Analysis_Date	Analysis_Time	Lab_Sample_ID	Dilution	Run_Number	Percent_Moisture	Percent_Lipid	Chem_Name	Analyte_ID	Analyte_Value	Original_Analyte_Value	Result_Units	Lab_Qualifier	Validator_Qualifier	QC_Column_Type	Analyte_Result_Type	Result_Narrative	QC_Control_Limit_Code	QC_Accuracy_Upper	QC_Accuracy_Lower	Control_Limit_Date	QC_Narrative	MDL	Detection_Limit	LOD	LOQ	Validator_Name	Val_Date
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-EFF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:34	02/16/2018			20180222	12:45:00	20180302	09:05:00	1803029-16	1	-999			Perfluorotetranoic acid (PFDA)	335-67-1	5.34		NG_L	U		PR	TRG								0.493	5.34	8.52	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-EFF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:34	02/16/2018			20180222	12:45:00	20180302	09:05:00	1803029-16	1	-999			Perfluorooctane Sulfonate (PFOS)	1763-23-1	5.34		NG_L	U		PR	TRG								0.859	5.34	8.52	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-EFF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:34	02/16/2018			20180222	12:45:00	20180302	09:05:00	1803029-16	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.34		NG_L	U		PR	TRG								0.862	5.34	8.52	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-EFF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:34	02/16/2018			20180222	12:45:00	20180302	09:05:00	1803029-16	1	-999			PFDA	335-76-2	5.34		NG_L	U		PR	TRG								1.59	5.34	8.52	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-EFF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:34	02/16/2018			20180222	12:45:00	20180302	09:05:00	1803029-16	1	-999			MeFOSAA	2355-31-9	5.34		NG_L	U		PR	TRG								1.76	5.34	8.52	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-EFF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:34	02/16/2018			20180222	12:45:00	20180302	09:05:00	1803029-16	1	-999			PFUnA	2058-94-8	5.34		NG_L	U		PR	TRG								1.13	5.34	8.52	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-EFF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:34	02/16/2018			20180222	12:45:00	20180302	09:05:00	1803029-16	1	-999			PFDoA	307-55-1	5.34		NG_L	U		PR	TRG								0.843	5.34	8.52	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-EFF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:34	02/16/2018			20180222	12:45:00	20180302	09:05:00	1803029-16	1	-999			PFTrDA	72629-94-8	5.34		NG_L	U		PR	TRG								1.03	5.34	8.52	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			PFTrDA	72629-94-8	5.12		NG_L	U		PR	TRG								0.804	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			Perfluorotetradecanoic acid (PFTeA)	376-06-7	5.12		NG_L	U		PR	TRG								1.84	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			Perfluorodecanesulfonic acid (PFDS)	375-73-5	5.12		NG_L	U		PR	TRG								0.833	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			PFHxA	307-24-4	5.12		NG_L	U		PR	TRG								2.24	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.12		NG_L	U		PR	TRG								0.608	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	5.12		NG_L	U		PR	TRG								0.776	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			Perfluorooctanoic acid (PFOA)	335-67-1	5.12		NG_L	U		PR	TRG								0.630	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			Perfluorooctane Sulfonate (PFOS)	1763-23-1	5.12		NG_L	U		PR	TRG								0.833	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.12		NG_L	U		PR	TRG								0.648	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			PFDA	335-76-2	5.12		NG_L	U		PR	TRG								1.53	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			MeFOSAA	2355-31-9	5.12		NG_L	U		PR	TRG								1.76	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			PFUnA	2058-94-8	5.12		NG_L	U		PR	TRG								1.41	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			PFDoA	307-55-1	5.12		NG_L	U		PR	TRG								0.814	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW44-FB01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 11:35	02/16/2018			20180222	12:45:00	20180302	09:16:00	1803029-17	1	-999			PFTrDA	72629-94-8	5.12		NG_L	U		PR	TRG								0.308	5.12	8.23	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			Perfluorodecanesulfonic acid (PFDS)	375-73-5	5.39		NG_L	U		PR	TRG								1.03	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			Perfluorohexanoic acid (PFHxA)	307-24-4	5.39		NG_L	U		PR	TRG								2.36	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.39		NG_L	U		PR	TRG								0.638	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	672		NG_L			PR	TRG								1.02	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			Perfluorooctanoic acid (PFOA)	335-67-1	5.39		NG_L	U		PR	TRG								0.813	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			Perfluorooctane Sulfonate (PFOS)	1763-23-1	9.17		NG_L			PR	TRG								0.872	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.39		NG_L	U		PR	TRG								0.875	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			PFDA	335-76-2	5.39		NG_L	U		PR	TRG								1.61	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			MeFOSAA	2355-31-9	5.39		NG_L	U		PR	TRG								1.78	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			PFUnA	2058-94-8	5.39		NG_L	U		PR	TRG								1.13	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			PFDoA	307-55-1	5.39		NG_L	U		PR	TRG								1.46	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			PFTrDA	72629-94-8	5.39		NG_L	U		PR	TRG								0.858	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			PFTeDA	376-06-7	5.39		NG_L	U		PR	TRG								0.554	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			PFTrDA	72629-94-8	5.39		NG_L	U		PR	TRG								1.03	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW48-INF01-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/14/2018 10:42	02/16/2018			20180222	12:45:00	20180302	09:27:00	1803029-18	1	-999			PFTeDA	376-06-7	5.39		NG_L	U		PR	TRG								0.816	5.39	8.64	1803029	SIB0099	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			Perfluorodecanesulfonic acid (PFDS)	375-73-5	5.43		NG_L	U		PR	TRG								0.641	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			Perfluorohexanoic acid (PFHxA)	307-24-4	5.43		NG_L	U		PR	TRG								2.37	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.43		NG_L	U		PR	TRG								0.641	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	5.43		NG_L	U		PR	TRG								1.03	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			Perfluorooctanoic acid (PFOA)	335-67-1	0.990		NG_L	JB		PR	TRG								0.708	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			Perfluorooctane Sulfonate (PFOS)	1763-23-1	5.43		NG_L	U		PR	TRG								0.819	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.43		NG_L	U		PR	TRG								0.859	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			PFDA	335-76-2	5.43		NG_L	U		PR	TRG								1.62	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			MeFOSAA	2355-31-9	5.43		NG_L	U		PR	TRG								1.79	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			PFUnA	2058-94-8	5.43		NG_L	U		PR	TRG								1.14	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			PFDoA	307-55-1	5.43		NG_L	U		PR	TRG								0.859	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:39	02/14/2018			20180221	10:00:00	20180225	07:31:00	1803036-01	1	-999			PFTrDA	72629-94-8	5.43		NG_L	U		PR	TRG								0.538	5.43	8.68	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:40	02/14/2018			20180221	10:00:00	20180225	07:43:00	1803036-02	1	-999			PFTeDA	376-06-7	5.39		NG_L	U		PR	TRG								0.810	5.43	8.63	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:40	02/14/2018			20180221	10:00:00	20180225	07:43:00	1803036-02	1	-999			Perfluorodecanesulfonic acid (PFDS)	375-73-5	5.39		NG_L	U		PR	TRG								1.65	5.39	8.63	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:40	02/14/2018			20180221	10:00:00	20180225	07:43:00	1803036-02	1	-999			Perfluorohexanoic acid (PFHxA)	307-24-4	5.39		NG_L	U		PR	TRG								2.37	5.39	8.63	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:40	02/14/2018			20180221	10:00:00	20180225	07:43:00	1803036-02	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.39		NG_L	U		PR	TRG								1.02	5.39	8.63	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:40	02/14/2018			20180221	10:00:00	20180225	07:43:00	1803036-02	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	5.39		NG_L	U		PR	TRG								0.638	5.39	8.63	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:40	02/14/2018			20180221	10:00:00	20180225	07:43:00	1803036-02	1	-999			Perfluorooctanoic acid (PFOA)	335-67-1	1.01		NG_L	JB		PR	TRG								0.702	5.39	8.63	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:40	02/14/2018			20180221	10:00:00	20180225	07:43:00	1803036-02	1	-999			Perfluorooctane Sulfonate (PFOS)	1763-23-1	5.39		NG_L	U		PR	TRG								0.871	5.39	8.63	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:40	02/14/2018			20180221	10:00:00	20180225	07:43:00	1803036-02	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.39		NG_L	U		PR	TRG								0.819	5.39	8.63	1803036	SIB0058	
MSH07018D0000.W001			OCEANA_NAS	OF-RW53-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC.	NONE	WET	METHOD	000	REG	W	4	02/2/2018 09:40	02/14/2018			20180221	10:00:00	20180225	07:43:00	1803036-02	1	-999			PFDA	335-76-2	5.39		NG_L	U		PR	TRG								1.61	5.39	8

Results

Common_ID	SQ_CSQ_Number	Phase	Validation_ID	Sample_Number	CNSR_Code	Analysis_Group	Analytical_Method	PROJ_Code	Lab_Code	Lab_Name	Lab_Name_Received	Leachate_Method	Sample_Event	Extraction_Method	Result_Type	Lab_SQ_Type	Sample_Medium	QC_Level	Date/Time_Collected	Date_Received	Leachate_Date	Leachate_Time	Extraction_Date	Extraction_Time	Analysis_Date	Analysis_Time	Lab_Sample_ID	Dilution	Run_Number	Percent_Moisture	Percent_Lipid	Client_Name	Analyte_ID	Analyte_Value	Original_Analyte_Value	Result_Units	Lab_Qualifier	Validator_Qualifier	QC_Column_Type	Analyte_Result_Type	Result_Narrative	QC_Control_Limit_Code	QC_Accuracy_Upper	QC_Accuracy_Lower	Control_Limit_Date	QC_Narrative	MDL	Detection_Limit	EDD_Version	RL	LOD	LOQ	SDG	Analyzing_Batch	Validator_Name	Val_Date
WG4701602000 WEG1			OCEANA_NAS	OF-FB30-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 13:31	02/14/2018			20180221	10:00:00	20180225	10:46:00	180203A-15	1	-999			EIFOSAA	2991-50-6	5.21		NG/L	U		PR	TRG										5.1	1.42	5.21	8.51	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB30-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 13:31	02/14/2018			20180221	10:00:00	20180225	10:46:00	180203A-15	1	-999			PFDoA	3057-55-1	5.21		NG/L	U		PR	TRG										5.1	0.823	5.21	8.51	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB30-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 13:31	02/14/2018			20180221	10:00:00	20180225	10:46:00	180203A-15	1	-999			PFTeDA	72629-94-8	5.21		NG/L	U		PR	TRG										5.1	0.513	5.21	8.51	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB30-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 13:31	02/14/2018			20180221	10:00:00	20180225	10:46:00	180203A-15	1	-999			PFTeDA	376-06-7	5.21		NG/L	U		PR	TRG										5.1	0.764	5.21	8.51	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9434-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:00	02/14/2018			20180221	10:00:00	20180228	04:06:00	180208A-16	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	5.39		NG/L	U		PR	TRG										5.1	1.94	5.39	8.66	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9434-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:00	02/14/2018			20180221	10:00:00	20180228	04:06:00	180208A-16	1	-999			Perfluorohexanoic acid (PFHxA)	307-24-4	5.39		NG/L	U		PR	TRG										5.1	1.01	5.39	8.66	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9434-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:00	02/14/2018			20180221	10:00:00	20180228	04:06:00	180208A-16	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	5.39		NG/L	U		PR	TRG										5.1	1.02	5.39	8.66	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9434-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:00	02/14/2018			20180221	10:00:00	20180228	04:06:00	180208A-16	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.39		NG/L	U		PR	TRG										5.1	0.859	5.39	8.66	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9434-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:00	02/14/2018			20180221	10:00:00	20180228	04:06:00	180208A-16	1	-999			Perfluorooctanesulfonic acid (PFOS)	1763-23-1	5.39		NG/L	U		PR	TRG										5.1	0.973	5.39	8.66	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9434-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:00	02/14/2018			20180221	10:00:00	20180228	04:06:00	180208A-16	1	-999			PFDoA	307-55-1	5.39		NG/L	U		PR	TRG										5.1	1.48	5.39	8.66	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9434-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:00	02/14/2018			20180221	10:00:00	20180228	04:06:00	180208A-16	1	-999			PFTeDA	72629-94-8	5.39		NG/L	U		PR	TRG										5.1	0.555	5.39	8.66	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9434-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:00	02/14/2018			20180221	10:00:00	20180228	04:06:00	180208A-16	1	-999			PFTeDA	376-06-7	5.39		NG/L	U		PR	TRG										5.1	0.917	5.39	8.66	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	5.39		NG/L	U		PR	TRG										5.1	1.94	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			PFHxA	307-24-4	5.39		NG/L	U		PR	TRG										5.1	2.34	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.39		NG/L	U		PR	TRG										5.1	0.638	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	5.39		NG/L	U		PR	TRG										5.1	1.02	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			Perfluorooctanesulfonic acid (PFOS)	1763-23-1	5.39		NG/L	U		PR	TRG										5.1	0.702	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.39		NG/L	U		PR	TRG										5.1	0.831	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			PFDoA	307-55-1	5.39		NG/L	U		PR	TRG										5.1	1.60	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			PFTeDA	72629-94-8	5.39		NG/L	U		PR	TRG										5.1	1.77	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			MeFOSAA	2355-31-9	5.39		NG/L	U		PR	TRG										5.1	1.13	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			PFUnA	2058-94-8	5.39		NG/L	U		PR	TRG										5.1	1.01	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			PFDoA	307-55-1	5.39		NG/L	U		PR	TRG										5.1	0.831	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			PFTeDA	72629-94-8	5.39		NG/L	U		PR	TRG										5.1	0.531	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-FB24-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 09:01	02/14/2018			20180221	10:00:00	20180228	04:18:00	180208A-17	1	-999			PFTeDA	376-06-7	5.39		NG/L	U		PR	TRG										5.1	0.811	5.39	8.60	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9466-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:02	02/14/2018			20180221	10:00:00	20180228	04:29:00	180208A-18	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	5.48		NG/L	U		PR	TRG										5.1	1.98	5.48	8.75	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9466-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:02	02/14/2018			20180221	10:00:00	20180228	04:29:00	180208A-18	1	-999			PFHxA	307-24-4	5.48		NG/L	U		PR	TRG										5.1	2.38	5.48	8.75	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9466-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:02	02/14/2018			20180221	10:00:00	20180228	04:29:00	180208A-18	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.48		NG/L	U		PR	TRG										5.1	0.649	5.48	8.75	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9466-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:02	02/14/2018			20180221	10:00:00	20180228	04:29:00	180208A-18	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	5.48		NG/L	U		PR	TRG										5.1	1.04	5.48	8.75	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9466-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:02	02/14/2018			20180221	10:00:00	20180228	04:29:00	180208A-18	1	-999			Perfluorooctanesulfonic acid (PFOS)	1763-23-1	5.48		NG/L	U		PR	TRG										5.1	0.712	5.48	8.75	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9466-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:02	02/14/2018			20180221	10:00:00	20180228	04:29:00	180208A-18	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.48		NG/L	U		PR	TRG										5.1	0.883	5.48	8.75	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9466-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:02	02/14/2018			20180221	10:00:00	20180228	04:29:00	180208A-18	1	-999			PFDoA	307-55-1	5.48		NG/L	U		PR	TRG										5.1	1.53	5.48	8.75	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9466-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:02	02/14/2018			20180221	10:00:00	20180228	04:29:00	180208A-18	1	-999			PFTeDA	72629-94-8	5.48		NG/L	U		PR	TRG										5.1	1.03	5.48	8.75	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9466-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:02	02/14/2018			20180221	10:00:00	20180228	04:29:00	180208A-18	1	-999			PFTeDA	376-06-7	5.48		NG/L	U		PR	TRG										5.1	0.828	5.48	8.75	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	5.30		NG/L	U		PR	TRG										5.1	1.89	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			PFHxA	307-24-4	5.30		NG/L	U		PR	TRG										5.1	2.30	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.30		NG/L	U		PR	TRG										5.1	0.628	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	5.30		NG/L	U		PR	TRG										5.1	1.02	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			Perfluorooctanoic acid (PFOA)	335-67-1	1.43		NG/L	JB		PR	TRG										5.1	0.687	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			Perfluorooctanesulfonic acid (PFOS)	1763-23-1	5.30		NG/L	U		PR	TRG										5.1	0.852	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.30		NG/L	U		PR	TRG										5.1	0.859	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			PFDoA	307-55-1	5.30		NG/L	U		PR	TRG										5.1	1.74	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			MeFOSAA	2355-31-9	5.30		NG/L	U		PR	TRG										5.1	1.74	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			PFUnA	2058-94-8	5.30		NG/L	U		PR	TRG										5.1	1.11	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			EIFOSAA	2991-50-6	5.30		NG/L	U		PR	TRG										5.1	1.45	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			PFDoA	307-55-1	5.30		NG/L	U		PR	TRG										5.1	0.838	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			PFTeDA	72629-94-8	5.30		NG/L	U		PR	TRG										5.1	0.531	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-F845-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 10:03	02/14/2018			20180221	10:00:00	20180225	11:32:00	180208A-19	1	-999			PFTeDA	376-06-7	5.30		NG/L	U		PR	TRG										5.1	0.811	5.30	8.45	1802038	SIB60058		
WG4701602000 WEG1			OCEANA_NAS	OF-R9402-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 17:46	02/16/2018			20180221	13:35:00	20180302	04:06:00	180302A-10	1	-999			Perfluorobutanesulfonic acid (PFBS)	375-73-5	5.63		NG/L	U		PR	TRG										5.1	2.03	5.63	9.07	1802038	SIB60093		
WG4701602000 WEG1			OCEANA_NAS	OF-R9402-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 17:46	02/16/2018			20180221	13:35:00	20180302	04:06:00	180302A-10	1	-999			PFHxA	307-24-4	5.63		NG/L	U		PR	TRG										5.1	2.47	5.63	9.07	1802038	SIB60093		
WG4701602000 WEG1			OCEANA_NAS	OF-R9402-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 17:46	02/16/2018			20180221	13:35:00	20180302	04:06:00	180302A-10	1	-999			Perfluoroheptanoic acid (PFHpA)	375-85-9	5.63		NG/L	U		PR	TRG										5.1	0.670	5.63	9.07	1802038	SIB60093		
WG4701602000 WEG1			OCEANA_NAS	OF-R9402-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 17:46	02/16/2018			20180221	13:35:00	20180302	04:06:00	180302A-10	1	-999			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	5.63		NG/L	U		PR	TRG										5.1	1.07	5.63	9.07	1802038	SIB60093		
WG4701602000 WEG1			OCEANA_NAS	OF-R9402-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 17:46	02/16/2018			20180221	13:35:00	20180302	04:06:00	180302A-10	1	-999			Perfluorooctanesulfonic acid (PFOS)	1763-23-1	5.63		NG/L	U		PR	TRG										5.1	0.739	5.63	9.07	1802038	SIB60093		
WG4701602000 WEG1			OCEANA_NAS	OF-R9402-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 17:46	02/16/2018			20180221	13:35:00	20180302	04:06:00	180302A-10	1	-999			Perfluorononanoic acid (PFNA)	375-95-1	5.63		NG/L	U		PR	TRG										5.1	0.915	5.63	9.07	1802038	SIB60093		
WG4701602000 WEG1			OCEANA_NAS	OF-R9402-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 17:46	02/16/2018			20180221	13:35:00	20180302	04:06:00	180302A-10	1	-999			PFDoA	307-55-1	5.63		NG/L	U		PR	TRG										5.1	1.69	5.63	9.07	1802038	SIB60093		
WG4701602000 WEG1			OCEANA_NAS	OF-R9402-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 17:46	02/16/2018			20180221	13:35:00	20180302	04:06:00	180302A-10	1	-999			MeFOSAA	2355-31-9	5.63		NG/L	U		PR	TRG										5.1	1.74	5.63	9.07	1802038	SIB60093		
WG4701602000 WEG1			OCEANA_NAS	OF-R9402-0218	NONS	SVOA	537_MOD	ORG	VISTA	VISTA ANALYTICAL LABORATORY, INC. NONE	WET	METHOD	000	REG	W	4	02/12/2018 17:46	02/16/2018			20180221	13:35:00	20180302	04:06:00	180302A-10	1	-999			PFUnA	2058-94-8	5.63		NG/L	U		PR	TRG							

| Common_ID | SQ_CSQ_Number | Phase | Validation_ID | Sample_Name | DNA_Code | Analysis_Group | Analytical_Method | PBQC_Code | Lab_Code | Lab_Name | Lab_Received | Sample_Basis | Extraction_Method | Result_Type | Lab_SQ_Type | Sample_Medium | IC_Level | Date/Time_Collected | Date_Received | Leachate_Date | Leachate_Time | Extraction_Date | Extraction_Time | Analysis_Date | Analysis_Time | Lab_Sample_ID | Dilution | Run_Number | Percent_Moisture | Percent_Lipid | Chem_Name | Analyte_ID | Analyte_Value | Original_Analyte_Value | Result_Units | Lab_QualFlor | Validator_Qualifier | QC_Column_Type | Analyte_Result_Type | Result_Narrative | QC_Control_Limit_Code | QC_Accuracy_Upper | QC_Accuracy_Lower | Control_Limit_Date | QC_Narrative | MDL | Detection_Limit | EDD_Version | RL | LOD | LOQ | SDG | Analysis_Batch | Validator_Name | Val_Date |
|---|---|---

ENVIRONMENTAL
Data Services, Inc.

DATA VALIDATION SUMMARY REPORT
NALF FENTRESS, VIRGINIA

Client: CH2M HILL, Inc., Corvallis, Oregon
SDG: 1800308
Laboratory: Vista Analytical Laboratory, El Dorado Hills, California
Site: NALF Fentress, CTO-WE01, Virginia
Date: March 21, 2018

PFCs			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OF-RW55-0218	1800308-01	Water
2	OF-RW55P-0218	1800308-02	Water
3	OF-FB55-0218	1800308-03	Water
4	OF-RW56-0218	1800308-04	Water
4MS	OF-RW56-0218MS	1800308-04MS	Water
4MSD	OF-RW56-0218MSD	1800308-04MSD	Water
5	OF-FB56-0218	1800308-05	Water
6	OF-RW53-0218	1800308-06	Water
7	OF-FB53-0218	1800308-07	Water
8	OF-RW68-0218	1800308-08	Water
9	OF-FB68-0218	1800308-09	Water
10	OF-RW54-0218	1800308-10	Water
11	OF-FB54-0218	1800308-11	Water
12	OF-RW69-0218	1800308-12	Water
13	OF-FB69-0218	1800308-13	Water
14	OF-RW30-0218	1800308-14	Water
15	OF-FB30-0218	1800308-15	Water
16	OF-RW24-0218	1800308-16	Water
17	OF-FB24-0218	1800308-17	Water
18	OF-RW46-0218	1800308-18	Water
19	OF-FB46-0218	1800308-19	Water

A full data validation was performed on the analytical data for ten water samples and nine aqueous field blank samples collected on February 12-13, 2018 by CH2M HILL at the NALF Fentress site in Chesapeake, Virginia. The samples were analyzed under the EPA Method "Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)".

Specific method references are as follows:

Analysis	*Method References*
PFCs	USEPA Method 537 Modified

The data have been validated according to the protocols and quality control (QC) requirements of the analytical method, and the U.S. Department of Defense (DoD) Quality Systems Manual (QSM), Version 5.0 (July 2013) and the USEPA National Functional Guidelines for Organic Data Review as follows:

- The USEPA "Contract Laboratories Program National Functional Guidelines for Superfund Organic Methods Data Review," January 2017;
- and the reviewer's professional judgment.

The following data quality indicators were reviewed for this report:

Organics

- Date Completeness, Case Narrative & Custody Documentation
- Holding times
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tuning
- Initial and continuing calibration summaries
- Method blank and field QC blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recoveries
- Internal standard area and retention time summary forms
- Target Compound Identification
- Compound Quantitation
- Field Duplicate sample precision

A full (Level IV) data validation was performed with this review including a recalculation of 10% of the detected results in the samples.

Data Usability Assessment

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

Perfluorinated Compounds (PFCs)

Data Completeness, Case Narrative & Custody Documentation

- The case narrative and chain-of-custody documentation were included in the data package as required. All criteria were met.

Holding Times

- All samples were extracted within 14 days for water samples and analyzed within 28 days.

LC/MS Tuning

- All criteria were met.

Initial Calibration

- All relative standard deviation (%RSD) and/or correlation coefficients criteria were met.

Continuing Calibration

- All percent recovery (%R) and RRF criteria were met except for the following.

CCAL Date	Compound	%R	Qualifier
02/25/18	EtFOSAA	145.7%	None - All Associated ND
	PFDoA	137.9%	
	PFTrDA	171.3%	
	PFTeDA	148.4%	

Method Blank

- The method blanks exhibited the following contamination.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
B8B0111-BLK1	PFOA	1.32	U	1-5, 8-10, 12-15, 17, 19

Field QC Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
OF-FB55-0218	None - ND	-	-	-
OF-FB56-0218	None - ND	-	-	-
OF-FB53-0218	None - ND	-	-	-
OF-FB68-0218	None - ND	-	-	-
OF-FB54-0218	None - ND	-	-	-
OF-FB69-0218	None - ND	-	-	-
OF-FB30-0218	None - ND	-	-	-
OF-FB24-0218	None - ND	-	-	-
OF-FB46-0218	None - ND	-	-	-

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier	Affected Samples
4	MeFOSAA	OK/OK/36.2	None	For RPD Alone
	PFTrDA	OK/136%/OK	None	Sample ND
	PFTeDA	142%/OK/OK	None	Sample ND

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria except for the following.

EDS Sample ID	Compound	%R	Qualifier
5	13C2-PFDoA	49.2%	UJ – Associated Compound
6	13C2-PFTeDA	48.0%	UJ – Associated Compound
11	13C2-PFUnA	47.0%	UJ – Associated Compound
	13C2-PFDoA	49.8%	
12	13C2-PFTeDA	47.9%	UJ – Associated Compound
15	13C2-PFTeDA	44.5%	UJ – Associated Compound

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	OF-RW55-0218 ng/L	OF-RW55P-0218 ng/L	RPD	Qualifier
None	ND	ND	-	-

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 3/21/18

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

Vista Analytical Laboratory

Sample ID: OF-RW55-0218 — **Modified EPA Method 537**

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:39

Laboratory Data

Lab Sample: 1800308-01
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.94	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFHxA	ND	2.37	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFHpA	ND	0.641	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFHxS	ND	1.03	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFOA	5.43 ~~0.990~~ u	0.706	5.43	8.68	~~LB~~	B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFOS	ND	0.876	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFNA	ND	0.879	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFDA	ND	1.62	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
MeFOSAA	ND	1.79	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFUnA	ND	1.14	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
EtFOSAA	ND	1.49	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFDoA	ND	0.859	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFTrDA	ND	0.536	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
PFTeDA	ND	0.819	5.43	8.68		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1

MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	92.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFHxA	IS	79.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C4-PFHpA	IS	80.1	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
18O2-PFHxS	IS	96.4	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFOA	IS	94.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C8-PFOS	IS	77.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C5-PFNA	IS	68.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFDA	IS	93.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
d3-MeFOSAA	IS	101	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFUnA	IS	77.9	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
d5-EtFOSAA	IS	106	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFDoA	IS	88.8	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1
13C2-PFTeDA	IS	92.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 07:31	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes

NW 3/21/18

Vista 2 Analytical Laboratory

Sample ID: OF-RW55P-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:40

Laboratory Data

Lab Sample: 1800308-02
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.93	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFHxA	ND	2.35	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFHpA	ND	0.638	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFHxS	ND	1.02	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFOA	5.39 ~~1.01~~ u	0.702	5.39	8.63	J B	B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFOS	ND	0.871	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFNA	ND	0.874	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFDA	ND	1.61	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
MeFOSAA	ND	1.78	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFUnA	ND	1.13	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
EtFOSAA	ND	1.48	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFDoA	ND	0.854	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFTrDA	ND	0.533	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
PFTeDA	ND	0.815	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1

MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	107	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFHxA	IS	89.4	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C4-PFHpA	IS	79.3	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
18O2-PFHxS	IS	83.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFOA	IS	88.0	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C8-PFOS	IS	83.1	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C5-PFNA	IS	73.4	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFDA	IS	72.0	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
d3-MeFOSAA	IS	94.6	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFUnA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
d5-EtFOSAA	IS	107	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFDoA	IS	80.3	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1
13C2-PFTeDA	IS	96.7	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 07:43	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers
Only the linear isomer is reported for all other analytes

mm 3/21/18

Vista Analytical Laboratory 3

Sample ID: OF-FB55-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:41

Laboratory Data

Lab Sample: 1800308-03
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.98	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFHxA	ND	2.41	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFHpA	ND	0.654	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFHxS	ND	1.05	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFOA	5.53 ~~1.18~~ U	0.721	5.53	8.86	~~J, B~~	B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFOS	ND	0.894	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFNA	ND	0.897	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFDA	ND	1.65	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
MeFOSAA	ND	1.83	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFUnA	ND	1.16	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
EtFOSAA	ND	1.52	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFDoA	ND	0.877	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFTrDA	ND	0.547	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
PFTeDA	ND	0.836	5.53	8.86		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1

MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	105	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFHxA	IS	81.1	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C4-PFHpA	IS	90.6	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
18O2-PFHxS	IS	92.8	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFOA	IS	79.7	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C8-PFOS	IS	87.7	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C5-PFNA	IS	82.9	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFDA	IS	70.2	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
d3-MeFOSAA	IS	81.7	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFUnA	IS	61.9	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
d5-EtFOSAA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFDoA	IS	80.9	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1
13C2-PFTeDA	IS	70.1	50 - 150		B8B0111	21-Feb-18	0.113 L	25-Feb-18 07:54	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

nw 3/2/18

Vista Analytical Laboratory 4

Sample ID: OF-RW56-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 09:58

Laboratory Data

Lab Sample: 1800308-04
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFHxA	ND	2.31	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFHpA	ND	0.625	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFHxS	ND	1.00	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFOA	5.30 ~~1.41~~ u	0.689	5.30	8.46	~~J, B~~	B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFOS	ND	0.854	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFNA	ND	0.857	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFDA	ND	1.58	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
MeFOSAA	ND	1.75	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFUnA	ND	1.11	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
EtFOSAA	ND	1.45	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFDoA	ND	0.838	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFTrDA	ND	0.523	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
PFTeDA	ND	0.799	5.30	8.46		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1

MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFHxA	IS	93.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C4-PFHpA	IS	91.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
18O2-PFHxS	IS	94.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFOA	IS	84.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C8-PFOS	IS	92.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C5-PFNA	IS	85.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFDA	IS	73.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
d3-MeFOSAA	IS	73.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFUnA	IS	68.3	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
d5-EtFOSAA	IS	81.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFDoA	IS	59.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1
13C2-PFTeDA	IS	58.5	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 08:06	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

NW 3/2/18

Vista Analytical Laboratory 5

Sample ID: OF-FB56-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:00

Laboratory Data

Lab Sample: 1800308-05
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	2.03	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFHxA	ND	2.47	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFHpA	ND	0.669	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFHxS	ND	1.07	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFOA	5.68 ~~0.898~~ U	0.737	5.68	9.05	~~J B~~	B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFOS	ND	0.913	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFNA	ND	0.917	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFDA	ND	1.69	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
MeFOSAA	ND	1.87	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFUnA	ND	1.19	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
EtFOSAA	ND	1.55	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFDoA	~~ND~~ UJ	0.896	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFTrDA	ND	0.559	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
PFTeDA	ND	0.855	5.68	9.05		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1

MBL

ISL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFHxA	IS	86.8	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C4-PFHpA	IS	95.5	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
18O2-PFHxS	IS	104	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFOA	IS	92.9	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C8-PFOS	IS	71.3	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C5-PFNA	IS	75.8	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFDA	IS	61.2	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
d3-MeFOSAA	IS	68.6	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFUnA	IS	56.1	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
d5-EtFOSAA	IS	75.1	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFDoA	IS	49.2	50 - 150	~~H~~	B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1
13C2-PFTeDA	IS	52.5	50 - 150		B8B0111	21-Feb-18	0.110 L	25-Feb-18 08:17	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

NW 3/21.18

Vista Analytical Laboratory

6

Sample ID: OF-RW53-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:18

Laboratory Data

Lab Sample: 1800308-06
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.93	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFHxA	ND	2.35	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFHpA	ND	0.637	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFHxS	ND	1.02	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFOA	ND	0.702	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFOS	ND	0.870	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFNA	ND	0.873	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFDA	ND	1.61	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
MeFOSAA	ND	1.78	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFUnA	ND	1.13	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
EtFOSAA	ND	1.48	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFDoA	ND	0.854	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFTrDA	ND	0.533	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
PFTeDA	~~ND~~ UJ	0.814	5.39	8.63		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1

ISL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	109	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFHxA	IS	95.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C4-PFHpA	IS	94.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
18O2-PFHxS	IS	91.7	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFOA	IS	82.8	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C8-PFOS	IS	96.8	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C5-PFNA	IS	86.9	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFDA	IS	79.4	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
d3-MeFOSAA	IS	81.7	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFUnA	IS	66.2	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
d5-EtFOSAA	IS	93.3	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFDoA	IS	54.0	50 - 150		B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1
13C2-PFTeDA	IS	48.0	50 - 150	H	B8B0111	21-Feb-18	0.116 L	25-Feb-18 08:29	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers
Only the linear isomer is reported for all other analytes

NEW 3/21/18

Vista Analytical Laboratory 7

Sample ID: OF-FB53-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:19

Laboratory Data

Lab Sample: 1800308-07
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.88	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFHxA	ND	2.28	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFHpA	ND	0.619	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFHxS	ND	0.992	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFOA	ND	0.682	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFOS	ND	0.845	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFNA	ND	0.849	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFDA	ND	1.56	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
MeFOSAA	ND	1.73	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFUnA	ND	1.10	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
EtFOSAA	ND	1.44	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFDoA	ND	0.830	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFTrDA	ND	0.518	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
PFTeDA	ND	0.791	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFHxA	IS	94.6	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C4-PFHpA	IS	107	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
18O2-PFHxS	IS	96.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFOA	IS	74.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C8-PFOS	IS	91.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C5-PFNA	IS	79.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFDA	IS	70.5	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
d3-MeFOSAA	IS	74.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFUnA	IS	66.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
d5-EtFOSAA	IS	82.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFDoA	IS	54.7	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1
13C2-PFTeDA	IS	51.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:40	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

NW 3/21/18

Vista Analytical Laboratory

Sample ID: OF-RW68-0218 **Modified EPA Method 537**

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:38

Laboratory Data

Lab Sample: 1800308-08
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.88	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFHxA	ND	2.29	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFHpA	ND	0.620	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFHxS	ND	0.993	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFOA	5.25 ~~1.40~~ U	0.683	5.25	8.39	~~J,B~~	B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFOS	ND	0.846	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFNA	ND	0.849	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFDA	ND	1.56	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
MeFOSAA	ND	1.73	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFUnA	ND	1.10	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
EtFOSAA	ND	1.44	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFDoA	ND	0.831	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFTrDA	ND	0.518	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
PFTeDA	ND	0.792	5.25	8.39		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1

MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFHxA	IS	94.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C4-PFHpA	IS	93.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
18O2-PFHxS	IS	92.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFOA	IS	77.7	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C8-PFOS	IS	86.1	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C5-PFNA	IS	84.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFDA	IS	75.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
d3-MeFOSAA	IS	86.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFUnA	IS	79.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
d5-EtFOSAA	IS	90.1	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFDoA	IS	71.4	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1
13C2-PFTeDA	IS	54.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 08:52	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

nw 3/21/18

Vista Analytical Laboratory 9

Sample ID: OF-FB68-0218 **Modified EPA Method 537**

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:39

Laboratory Data

Lab Sample: 1800308-09
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFHxA	ND	2.30	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFHpA	ND	0.624	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFHxS	1.13	1.00	5.30	8.44	J	B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFOA	5.30 ~~1.12~~ U	0.687	5.30	8.44	~~J, B~~	B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFOS	ND	0.852	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFNA	ND	0.855	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFDA	ND	1.57	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
MeFOSAA	ND	1.74	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFUnA	ND	1.11	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
EtFOSAA	ND	1.45	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFDoA	ND	0.836	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFTrDA	ND	0.521	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
PFTeDA	ND	0.797	5.30	8.44		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1

MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	112	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFHxA	IS	92.0	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C4-PFHpA	IS	88.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
18O2-PFHxS	IS	91.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFOA	IS	89.3	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C8-PFOS	IS	88.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C5-PFNA	IS	74.5	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFDA	IS	71.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
d3-MeFOSAA	IS	85.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFUnA	IS	68.6	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
d5-EtFOSAA	IS	91.9	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFDoA	IS	50.1	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1
13C2-PFTeDA	IS	56.4	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 09:03	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes

NW 3/21.8

Vista Analytical Laboratory 10

Sample ID: OF-RW54-0218 **Modified EPA Method 537**

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:55

Laboratory Data

Lab Sample: 1800308-10
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	3.17	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFHxA	ND	3.86	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFHpA	ND	1.05	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFHxS	ND	1.68	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFOA	8.87 ~~1.44~~ U	1.15	8.87	14.2	~~LB~~	B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFOS	ND	1.43	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFNA	ND	1.44	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFDA	ND	2.64	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
MeFOSAA	ND	2.92	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFUnA	ND	1.86	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
EtFOSAA	ND	2.43	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFDoA	ND	1.40	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFTrDA	ND	0.875	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
PFTeDA	ND	1.34	8.87	14.2		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1

MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFHxA	IS	99.5	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C4-PFHpA	IS	102	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
18O2-PFHxS	IS	96.6	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFOA	IS	76.5	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C8-PFOS	IS	97.0	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C5-PFNA	IS	83.9	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFDA	IS	71.8	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
d3-MeFOSAA	IS	92.2	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFUnA	IS	80.4	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
d5-EtFOSAA	IS	114	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFDoA	IS	61.9	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1
13C2-PFTeDA	IS	54.4	50 - 150		B8B0111	21-Feb-18	0.0705 L	25-Feb-18 09:15	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

rev 3/21.18

Vista Analytical Laboratory

Sample ID: OF-FB54-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 10:56

Laboratory Data

Lab Sample: 1800308-11
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	ND	1.90	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
PFHxA	ND	2.31	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
PFHpA	ND	0.626	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
PFHxS	ND	1.00	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
PFOA	ND	0.690	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
PFOS	ND	0.855	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
PFNA	ND	0.858	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
PFDA	ND	1.58	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
MeFOSAA	ND	1.75	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
PFUnA	~~ND~~ UJ	1.11	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	ISL
EtFOSAA	ND	1.45	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
PFDoA	~~ND~~ UJ	0.839	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	ISL
PFTrDA	ND	0.523	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	
PFTeDA	ND	0.800	5.30	8.47		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1	

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	101	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFHxA	IS	87.7	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C4-PFHpA	IS	71.9	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
18O2-PFHxS	IS	92.9	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFOA	IS	70.4	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C8-PFOS	IS	82.6	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C5-PFNA	IS	75.1	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFDA	IS	69.3	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
d3-MeFOSAA	IS	60.8	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFUnA	IS	47.0	50 - 150	H	B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
d5-EtFOSAA	IS	54.5	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFDoA	IS	49.8	50 - 150	H	B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1
13C2-PFTeDA	IS	61.8	50 - 150		B8B0111	21-Feb-18	0.118 L	28-Feb-18 03:55	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes

MW 3/21/18

Vista Analytical Laboratory 12

Sample ID: OF-RW69-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:08

Laboratory Data

Lab Sample: 1800308-12
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.91	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFHxA	ND	2.33	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFHpA	ND	0.631	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFHxS	ND	1.01	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFOA	5.34 ~~1.28~~ u	0.695	5.34	8.55	~~J B~~	B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFOS	ND	0.862	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFNA	ND	0.865	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFDA	ND	1.59	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
MeFOSAA	ND	1.76	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFUnA	ND	1.12	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
EtFOSAA	ND	1.46	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFDoA	ND	0.846	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFTrDA	ND	0.528	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
PFTeDA	~~ND~~ UJ	0.807	5.34	8.55		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1

MBL

ISL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	117	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFHxA	IS	96.2	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C4-PFHpA	IS	84.9	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
18O2-PFHxS	IS	108	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFOA	IS	76.5	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C8-PFOS	IS	82.1	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C5-PFNA	IS	79.8	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFDA	IS	101	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
d3-MeFOSAA	IS	90.1	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFUnA	IS	74.1	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
d5-EtFOSAA	IS	109	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFDoA	IS	57.7	50 - 150		B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1
13C2-PFTeDA	IS	47.9	50 - 150	~~H~~	B8B0111	21-Feb-18	0.117 L	25-Feb-18 09:38	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

rev 3/21/18

Vista Analytical Laboratory 13

Sample ID: OF-FB69-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:09

Laboratory Data

Lab Sample: 1800308-13
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.88	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFHxA	ND	2.28	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFHpA	ND	0.619	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFHxS	ND	0.992	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFOA	5.25 ~~1.67~~ U	0.682	5.25	8.38	~~J-B~~	B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFOS	ND	0.846	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFNA	ND	0.849	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFDA	ND	1.56	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
MeFOSAA	ND	1.73	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFUnA	ND	1.10	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
EtFOSAA	ND	1.44	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFDoA	ND	0.830	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFTrDA	ND	0.518	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
PFTeDA	ND	0.791	5.25	8.38		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1

MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	111	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFHxA	IS	87.5	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C4-PFHpA	IS	83.5	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
18O2-PFHxS	IS	91.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFOA	IS	82.9	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C8-PFOS	IS	80.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C5-PFNA	IS	79.0	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFDA	IS	83.8	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
d3-MeFOSAA	IS	89.2	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFUnA	IS	76.3	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
d5-EtFOSAA	IS	106	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFDoA	IS	70.6	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1
13C2-PFTeDA	IS	66.7	50 - 150		B8B0111	21-Feb-18	0.119 L	25-Feb-18 09:49	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes

rev 3/2/18

Vista Analytical Laboratory 14

Sample ID: OF-RW30-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:30

Laboratory Data

Lab Sample: 1800308-14
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.94	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFHxA	ND	2.36	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFHpA	ND	0.640	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFHxS	ND	1.03	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFOA	5.43 ~~1.55~~ U	0.705	5.43	8.67	~~J B~~	B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFOS	ND	0.874	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFNA	ND	0.878	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFDA	ND	1.61	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
MeFOSAA	ND	1.79	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFUnA	ND	1.14	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
EtFOSAA	ND	1.48	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFDoA	ND	0.858	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFTrDA	ND	0.535	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
PFTeDA	ND	0.818	5.43	8.67		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1

MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	108	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFHxA	IS	85.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C4-PFHpA	IS	88.6	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
18O2-PFHxS	IS	93.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFOA	IS	83.3	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C8-PFOS	IS	108	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C5-PFNA	IS	80.9	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFDA	IS	90.9	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
d3-MeFOSAA	IS	94.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFUnA	IS	85.8	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
d5-EtFOSAA	IS	90.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFDoA	IS	54.7	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1
13C2-PFTeDA	IS	57.0	50 - 150		B8B0111	21-Feb-18	0.115 L	25-Feb-18 10:35	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

NEW 3/21/18

Vista Analytical Laboratory 15

Sample ID: OF-FB30-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 12-Feb-18 13:31

Laboratory Data

Lab Sample: 1800308-15
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.86	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFHxA	ND	2.26	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFHpA	ND	0.614	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFHxS	ND	0.984	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFOA	~~1.23~~ 5.21 U	0.676	5.21	8.31	~~J-B~~	B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1 MBL
PFOS	ND	0.838	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFNA	ND	0.841	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFDA	ND	1.55	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
MeFOSAA	ND	1.71	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFUnA	ND	1.09	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
EtFOSAA	ND	1.42	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFDoA	ND	0.823	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFTrDA	ND	0.513	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
PFTeDA	~~ND~~ UJ	0.784	5.21	8.31		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1 ISL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	123	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFHxA	IS	99.1	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C4-PFHpA	IS	84.0	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
18O2-PFHxS	IS	95.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFOA	IS	82.5	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C8-PFOS	IS	102	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C5-PFNA	IS	81.8	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFDA	IS	87.1	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
d3-MeFOSAA	IS	87.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFUnA	IS	60.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
d5-EtFOSAA	IS	92.7	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFDoA	IS	50.6	50 - 150		B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1
13C2-PFTeDA	IS	44.5	50 - 150	~~H~~	B8B0111	21-Feb-18	0.120 L	25-Feb-18 10:46	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

nw 3/21/18

Vista 16
Analytical Laboratory

Sample ID: OF-RW24-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 09:00

Laboratory Data

Lab Sample: 1800308-16
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.94	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFHxA	ND	2.36	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFHpA	ND	0.639	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFHxS	ND	1.02	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFOA	ND	0.704	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFOS	ND	0.873	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFNA	ND	0.876	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFDA	ND	1.61	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
MeFOSAA	ND	1.79	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFUnA	ND	1.14	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
EtFOSAA	ND	1.48	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFDoA	ND	0.857	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFTrDA	ND	0.535	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
PFTeDA	ND	0.817	5.39	8.66		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	95.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFHxA	IS	93.0	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C4-PFHpA	IS	82.4	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
18O2-PFHxS	IS	89.8	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFOA	IS	69.3	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C8-PFOS	IS	87.3	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C5-PFNA	IS	86.1	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFDA	IS	73.9	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
d3-MeFOSAA	IS	69.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFUnA	IS	71.7	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
d5-EtFOSAA	IS	72.4	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFDoA	IS	86.9	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1
13C2-PFTeDA	IS	96.7	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:06	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Lew 3/21/18

Vista Analytical Laboratory 17

Sample ID: OF-FB24-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 09:01

Laboratory Data

Lab Sample: 1800308-17
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.92	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFHxA	ND	2.34	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFHpA	ND	0.635	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFHxS	ND	1.02	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFOA	5.39 ~~1.10~~ U	0.700	5.39	8.60	~~J,B~~	B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFOS	ND	0.867	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFNA	ND	0.871	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFDA	ND	1.60	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
MeFOSAA	ND	1.77	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFUnA	ND	1.13	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
EtFOSAA	ND	1.47	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFDoA	ND	0.851	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFTrDA	ND	0.531	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
PFTeDA	ND	0.811	5.39	8.60		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1

MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	102	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFHxA	IS	88.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C4-PFHpA	IS	92.8	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
18O2-PFHxS	IS	84.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFOA	IS	74.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C8-PFOS	IS	91.2	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C5-PFNA	IS	75.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFDA	IS	52.6	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
d3-MeFOSAA	IS	70.7	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFUnA	IS	63.0	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
d5-EtFOSAA	IS	64.4	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFDoA	IS	64.9	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1
13C2-PFTeDA	IS	75.0	50 - 150		B8B0111	21-Feb-18	0.116 L	28-Feb-18 04:18	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

NW 3121.8

Vista 18 Analytical Laboratory

Sample ID: OF-RW46-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 10:02

Laboratory Data

Lab Sample: 1800308-18
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.96	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFHxA	ND	2.39	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFHpA	ND	0.647	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFHxS	ND	1.04	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFOA	ND	0.712	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFOS	ND	0.883	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFNA	ND	0.886	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFDA	ND	1.63	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
MeFOSAA	ND	1.81	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFUnA	ND	1.15	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
EtFOSAA	ND	1.50	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFDoA	ND	0.867	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFTrDA	ND	0.541	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
PFTeDA	ND	0.826	5.48	8.75		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	112	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFHxA	IS	84.1	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C4-PFHpA	IS	82.9	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
18O2-PFHxS	IS	85.7	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFOA	IS	63.2	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C8-PFOS	IS	93.2	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C5-PFNA	IS	96.0	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFDA	IS	81.1	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
d3-MeFOSAA	IS	74.2	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFUnA	IS	81.1	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
d5-EtFOSAA	IS	69.8	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFDoA	IS	79.6	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1
13C2-PFTeDA	IS	84.0	50 - 150		B8B0111	21-Feb-18	0.114 L	28-Feb-18 04:29	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

rev 3/21/18

Vista 19 Analytical Laboratory

Sample ID: OF-FB46-0218

Modified EPA Method 537

Client Data

Name: CH2M Hill
Project: CTO-WE01, Fentress PFAS Res. DW Investigation
Matrix: Drinking Water
Date Collected: 13-Feb-18 10:03

Laboratory Data

Lab Sample: 1800308-19
Date Received: 14-Feb-18 10:10
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	1.89	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFHxA	ND	2.30	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFHpA	ND	0.624	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFHxS	ND	1.00	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFOA	5.30 ~~1.43~~ U	0.687	5.30	8.45	~~J, B~~	B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFOS	ND	0.852	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFNA	ND	0.855	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFDA	ND	1.57	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
MeFOSAA	ND	1.74	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFUnA	ND	1.11	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
EtFOSAA	ND	1.45	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFDoA	ND	0.836	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFTrDA	ND	0.522	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
PFTeDA	ND	0.797	5.30	8.45		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1

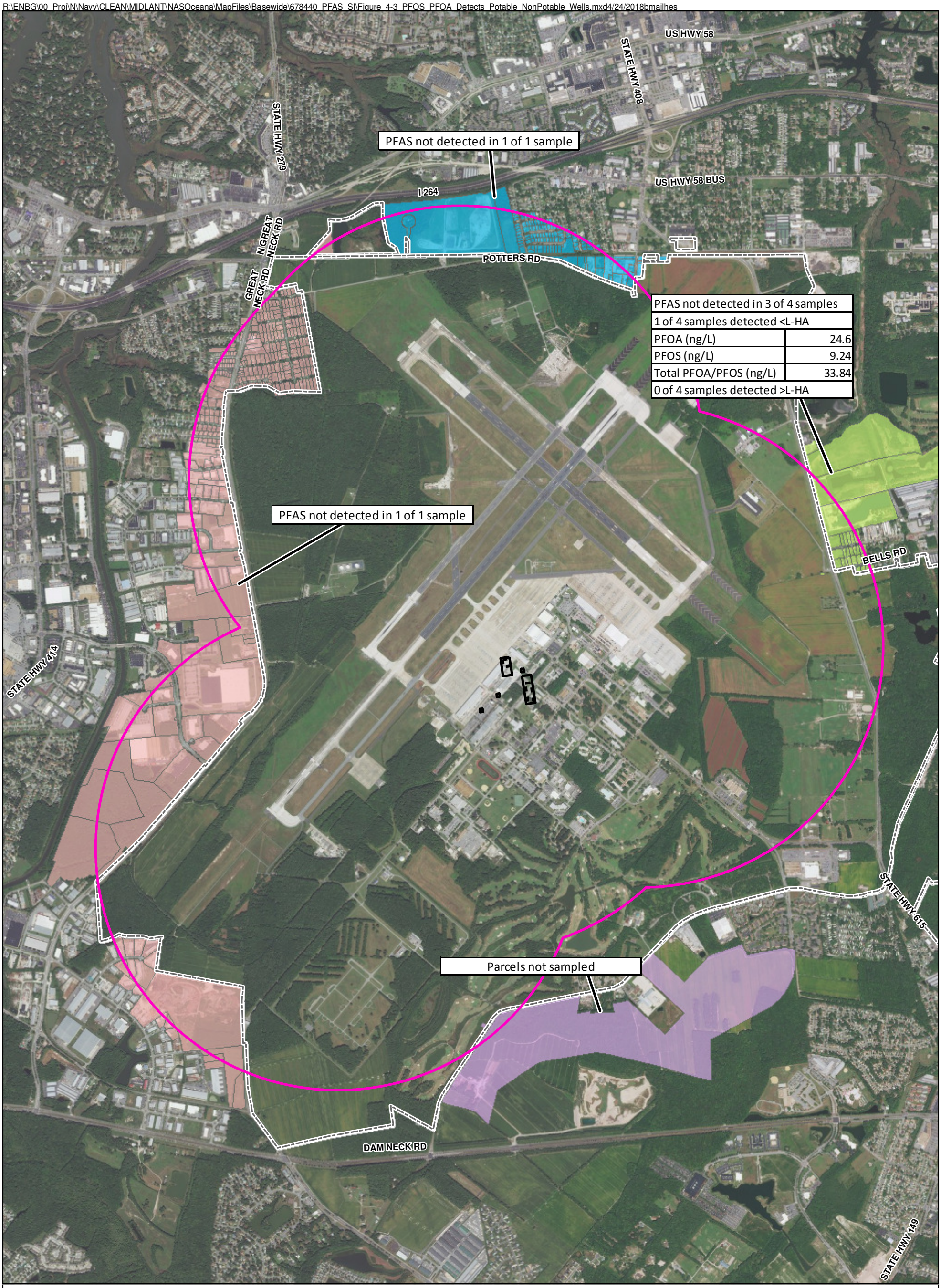
MBL

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	112	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFHxA	IS	77.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C4-PFHpA	IS	79.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
18O2-PFHxS	IS	92.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFOA	IS	89.4	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C8-PFOS	IS	82.8	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C5-PFNA	IS	93.3	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFDA	IS	88.9	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
d3-MeFOSAA	IS	98.2	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFUnA	IS	70.5	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
d5-EtFOSAA	IS	105	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFDoA	IS	68.7	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1
13C2-PFTeDA	IS	56.4	50 - 150		B8B0111	21-Feb-18	0.118 L	25-Feb-18 11:32	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers
Only the linear isomer is reported for all other analytes.

MW 3/2/18

R:\ENBG\00_Proj\N\Navy\CLEAN\MIDLANT\NASOceana\MapFiles\Basewide\678440_PFAS_SI\Figure_4-3_PFOS_PFOA_Detects_Potable_NonPotable_Wells.mxd4/24/2018bmailhes



Legend

- Non-Core Target Treatment Area (2004)
- Core Target Treatment Area (2004) (Core)
- Sampling Area
- Installation Boundary

Off-Base Parcels

- East
- North
- South
- West

N
W E
S

0 1,000 2,000 4,000 Feet

Imagery Source: ©2017 Esri

Figure 4-3
COCs Detections in Potable Wells Sampled from Parcels Located Off-Base
Basewide Per- and Polyfluoroalkyl Substances Site Inspection Report
NAS Oceana, Virginia Beach, Virginia

ch2m