



**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 1803677**

*Naval Air Station Oceana
Virginia Beach, Virginia*

July 2019



November 29, 2018

Vista Work Order No. 1803677

Mr. Andrew Lairson
CH2M Hill
5701 Cleveland St, Suite 200
Virginia Beach, VA 23462

Dear Mr. Lairson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on November 17, 2018 under your Project Name 'CTO-WE14'.

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. 1803677

Case Narrative

Sample Condition on Receipt:

Three 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:

PFAS Isotope Dilution Method

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method (Modified EPA Method 537). The results for PFHxS, PFOA and PFOS include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

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

Quality Control

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

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ. The OPR recoveries were within the method acceptance criteria.

As requested, an MS/MSD was performed on sample "OC-RW05-1118". The MS/MSD recoveries and/or RPDs were within acceptance criteria.

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1803677-01	OC-RW05-1118	MS/MSD16-Nov-18 16:18	17-Nov-18 12:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1803677-02	OC-RW05P-1118	16-Nov-18 16:19	17-Nov-18 12:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1803677-03	OC-FB05-1118	16-Nov-18 16:20	17-Nov-18 12:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

ANALYTICAL RESULTS

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

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8K0162-BLK1	Column:	BEH C18
Project:	CTO-WE14						

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
PFHpA	375-85-9	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
PFHxS	355-46-4	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
PFOA	335-67-1	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
PFOS	1763-23-1	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
PFNA	375-95-1	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	80.3	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
13C4-PFHpA	IS	71.9	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
18O2-PFHxS	IS	83.0	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
13C2-PFOA	IS	75.1	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
13C8-PFOS	IS	80.9	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
13C5-PFNA	IS	74.0	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

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

Sample ID: OPR						PFAS Isotope Dilution Method						
Client Data					Laboratory Data							
Name:	CH2M Hill	Matrix:	Aqueous			Lab Sample:	B8K0162-BS1	Column:	BEH C18			
Project:	CTO-WE14											
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	375-73-5	56.7	80.0	70.8	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
PFHpA	375-85-9	60.3	80.0	75.4	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
PFHxS	355-46-4	61.1	80.0	76.4	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
PFOA	335-67-1	59.1	80.0	73.9	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
PFOS	1763-23-1	57.0	80.0	71.3	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
PFNA	375-95-1	58.3	80.0	72.8	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
Labeled Standards		Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS		IS		99.0	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
13C4-PFHpA		IS		86.2	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
18O2-PFHxS		IS		93.4	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
13C2-PFOA		IS		88.8	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
13C8-PFOS		IS		100	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
13C5-PFNA		IS		80.8	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	

Sample ID: OC-RW05-1118 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803677-01	Column:	BEH C18
Project:	CTO-WE14	Date Collected:	16-Nov-18 16:18	Date Received:	17-Nov-18 12:02		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFHpA	375-85-9	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFHxS	355-46-4	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFOA	335-67-1	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFOS	1763-23-1	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFNA	375-95-1	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	97.4	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C4-PFHpA	IS	73.5	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
18O2-PFHxS	IS	89.2	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C2-PFOA	IS	80.0	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C8-PFOS	IS	87.4	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C5-PFNA	IS	78.8	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

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

Sample ID: OC-RW05-1118

PFAS Isotope Dilution Method

Name:	CH2M Hill	Lab Sample:	B8K0162-MS1/B8K0162-MSD1	Source Lab Sample:	1803677-01
Project:	CTO-WE14	QC Batch:	B8K0162	Date Extracted:	26-Nov-18
Matrix:	Aqueous	Samp Size:	0.117/0.115 L	Column:	BEH C18

Analyte	CAS Number	Sample (ng/L)	MS (ng/L)	MS Spike Amt	MS % Rec	MS Quals	MSD (ng/L)	MSD Spike Amt	MSD % Rec	MSD RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFBS	375-73-5	ND	69.7	85.5	81.5		65.2	87.2	74.8	8.57		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1
PFHpA	375-85-9	ND	69.7	85.5	81.5		71.0	87.2	81.5	0		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1
PFHxS	355-46-4	ND	70.7	85.5	82.1		72.0	87.2	82.0	0.122		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1
PFOA	335-67-1	ND	70.0	85.5	81.8		75.7	87.2	86.8	5.93		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1
PFOS	1763-23-1	ND	73.3	85.5	85.8		70.3	87.2	80.7	6.13		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1
PFNA	375-95-1	ND	71.2	85.5	83.2		68.4	87.2	78.5	5.81		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBS	IS	89.6		93.8		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1
13C4-PFHpA	IS	84.7		82.4		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1
18O2-PFHxS	IS	87.9		83.9		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1
13C2-PFOA	IS	81.4		85.6		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1
13C8-PFOS	IS	85.3		89.3		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1
13C5-PFNA	IS	79.9		80.6		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1

Sample ID: OC-RW05P-1118 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803677-02	Column:	BEH C18
Project:	CTO-WE14	Date Collected:	16-Nov-18 16:19	Date Received:	17-Nov-18 12:02		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFHpA	375-85-9	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFHxS	355-46-4	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFOA	335-67-1	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFOS	1763-23-1	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFNA	375-95-1	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	96.7	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C4-PFHpA	IS	83.8	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
18O2-PFHxS	IS	89.5	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C2-PFOA	IS	87.1	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C8-PFOS	IS	92.4	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C5-PFNA	IS	79.7	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

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

Sample ID: OC-FB05-1118 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803677-03	Column:	BEH C18
Project:	CTO-WE14	Date Collected:	16-Nov-18 16:20	Date Received:	17-Nov-18 12:02		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFHpA	375-85-9	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFHxS	355-46-4	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFOA	335-67-1	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFOS	1763-23-1	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFNA	375-95-1	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	99.2	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
13C4-PFHpA	IS	81.0	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
18O2-PFHxS	IS	87.9	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
13C2-PFOA	IS	85.9	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
13C8-PFOS	IS	89.0	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
13C5-PFNA	IS	80.2	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

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

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limits of Detection
LOQ	Limits of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
Q	Ion ratio outside of 70-130% of Standard Ratio. (DOD PFAS projects only)
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	18-008-0
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	2018017
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	4042-009
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-18-8
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.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

GTO-WE14



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 1803677 Temp: 0.0 °C
 Storage ID: WR-2 Storage Secured: Yes No

Project ID: GTO-WE14 PO#: CH2M HILL Sampler: K. Smith
 (name)

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

Invoice to: Name Kathryn Smith Company CH2M HILL Address 11/16/18 18:00 City Virginia Beach State VA Ph# _____ Fax# _____
 Relinquished by (printed name and signature) _____ Date _____ Time _____ Received by (printed name and signature) B. Benedict Date 11/17/18 Time 1202
 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
 Method of Shipment: FedEx
 ATTN: Martha Maier
 Tracking No.: _____

Sample ID	Date	Time	Location/Sample Description	Add Analysis(es) Requested										Comments				
				Quantity	Type	Matrix	PFOA/PFOS	UCMR3 PFAS List 6	337 List: 14	Full List of 26	Other: Please List Below	Mod. EPA Method 537	EPA Method 537 (DW only)					
OC-RW05-1118	11/16/18	16:18		2	DW													
OC-RW05-1118-MS	↓	16:18		2	DW													
OC-RW05-1118-SD	↓	16:18		2	DW													
OC-RW05P-1118	↓	16:19		2	DW													
OC-FR05-1118	↓	16:20		2	DW													

Special Instructions/Comments: See PO & project chemist for info

SEND DOCUMENTATION AND RESULTS TO:
 Name: Andrew Larson
 Company: CH2M
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: _____ Fax: _____
 Email: _____

Container Types: P= HDPE, PJ= HDPE Jar 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: _____

Sample Log-In Checklist

Vista Work Order #: 1803677 Page # 1 of 1
TAT 14

Samples Arrival:	Date/Time 11/17/18 1202	Initials: BMB	Location: WR-2
Logged In:	Date/Time 11/19/18 1117	Initials: KQ	Location: WR-2 Shelf/Rack: A3/E4
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
	<input type="checkbox"/> GSO	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered
	<input type="checkbox"/> Other		
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: 0.0 (uncorrected)	Probe used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		Thermometer ID: DT3
Temp °C: 0.0 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>		
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Airbill	<input checked="" type="checkbox"/>		
Trk #	7737 46335719		
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?			<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>		
COC Anomaly/Sample Acceptance Form completed?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			<input checked="" type="checkbox"/>
Preservation Documented:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> Trizma	<input type="checkbox"/> None
	<input type="checkbox"/> Other		
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input checked="" type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	

Comments:



November 29, 2018

Vista Work Order No. 1803677

Mr. Andrew Lairson
CH2M Hill
5701 Cleveland St, Suite 200
Virginia Beach, VA 23462

Dear Mr. Lairson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on November 17, 2018 under your Project Name 'CTO-WE14'.

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. 1803677

Case Narrative

Sample Condition on Receipt:

Three 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:

PFAS Isotope Dilution Method

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method (Modified EPA Method 537). The results for PFHxS, PFOA and PFOS include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

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

Quality Control

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

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ. The OPR recoveries were within the method acceptance criteria.

As requested, an MS/MSD was performed on sample "OC-RW05-1118". The MS/MSD recoveries and/or RPDs were within acceptance criteria.

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1803677-01	OC-RW05-1118	MS/MSD16-Nov-18 16:18	17-Nov-18 12:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1803677-02	OC-RW05P-1118	16-Nov-18 16:19	17-Nov-18 12:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1803677-03	OC-FB05-1118	16-Nov-18 16:20	17-Nov-18 12:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

ANALYTICAL RESULTS

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

Client Data				Laboratory Data							
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8K0162-BLK1	Column:	BEH C18				
Project:	CTO-WE14										

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
PFHpA	375-85-9	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
PFHxS	355-46-4	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
PFOA	335-67-1	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
PFOS	1763-23-1	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
PFNA	375-95-1	ND	2.74	4.00	8.00		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	80.3	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
13C4-PFHpA	IS	71.9	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
18O2-PFHxS	IS	83.0	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
13C2-PFOA	IS	75.1	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
13C8-PFOS	IS	80.9	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1
13C5-PFNA	IS	74.0	50 - 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 16:05	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

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

Sample ID: OPR						PFAS Isotope Dilution Method						
Client Data					Laboratory Data							
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8K0162-BS1	Column:	BEH C18					
Project:	CTO-WE14											
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	375-73-5	56.7	80.0	70.8	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
PFHpA	375-85-9	60.3	80.0	75.4	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
PFHxS	355-46-4	61.1	80.0	76.4	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
PFOA	335-67-1	59.1	80.0	73.9	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
PFOS	1763-23-1	57.0	80.0	71.3	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
PFNA	375-95-1	58.3	80.0	72.8	70 - 130		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1	
Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
13C3-PFBS	IS	99.0	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1			
13C4-PFHpA	IS	86.2	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1			
18O2-PFHxS	IS	93.4	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1			
13C2-PFOA	IS	88.8	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1			
13C8-PFOS	IS	100	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1			
13C5-PFNA	IS	80.8	50- 150		B8K0162	26-Nov-18	0.125 L	27-Nov-18 15:55	1			

Sample ID: OC-RW05-1118 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803677-01	Column:	BEH C18
Project:	CTO-WE14	Date Collected:	16-Nov-18 16:18	Date Received:	17-Nov-18 12:02		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFHpA	375-85-9	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFHxS	355-46-4	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFOA	335-67-1	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFOS	1763-23-1	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFNA	375-95-1	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	97.4	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C4-PFHpA	IS	73.5	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
18O2-PFHxS	IS	89.2	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C2-PFOA	IS	80.0	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C8-PFOS	IS	87.4	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C5-PFNA	IS	78.8	50 - 150		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

Results reported to the DL.

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

Sample ID: OC-RW05-1118 **PFAS Isotope Dilution Method**

Name: CH2M Hill	Lab Sample: B8K0162-MS1/B8K0162-MSD1	Source Lab Sample: 1803677-01
Project: CTO-WE14	QC Batch: B8K0162	Date Extracted: 26-Nov-18
Matrix: Aqueous	Samp Size: 0.117/0.115 L	Column: BEH C18

Analyte	CAS Number	Sample (ng/L)	MS (ng/L)	MS Spike Amt	MS % Rec	MS Quals	MSD (ng/L)	MSD Spike Amt	MSD % Rec	MSD RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFBS	375-73-5	ND	69.7	85.5	81.5		65.2	87.2	74.8	8.57		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1
PFHpA	375-85-9	ND	69.7	85.5	81.5		71.0	87.2	81.5	0		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1
PFHxS	355-46-4	ND	70.7	85.5	82.1		72.0	87.2	82.0	0.122		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1
PFOA	335-67-1	ND	70.0	85.5	81.8		75.7	87.2	86.8	5.93		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1
PFOS	1763-23-1	ND	73.3	85.5	85.8		70.3	87.2	80.7	6.13		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1
PFNA	375-95-1	ND	71.2	85.5	83.2		68.4	87.2	78.5	5.81		70-130	30	27-Nov-18 15:33	1	27-Nov-18 15:44	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBS	IS	89.6		93.8		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1
13C4-PFHpA	IS	84.7		82.4		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1
18O2-PFHxS	IS	87.9		83.9		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1
13C2-PFOA	IS	81.4		85.6		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1
13C8-PFOS	IS	85.3		89.3		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1
13C5-PFNA	IS	79.9		80.6		50-150	27-Nov-18 15:33	1	27-Nov-18 15:44	1

Sample ID: OC-RW05P-1118 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803677-02	Column:	BEH C18
Project:	CTO-WE14	Date Collected:	16-Nov-18 16:19	Date Received:	17-Nov-18 12:02		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFHpA	375-85-9	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFHxS	355-46-4	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFOA	335-67-1	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFOS	1763-23-1	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFNA	375-95-1	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	96.7	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C4-PFHpA	IS	83.8	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
18O2-PFHxS	IS	89.5	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C2-PFOA	IS	87.1	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C8-PFOS	IS	92.4	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C5-PFNA	IS	79.7	50 - 150		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

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

Sample ID: OC-FB05-1118 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803677-03	Column:	BEH C18
Project:	CTO-WE14	Date Collected:	16-Nov-18 16:20	Date Received:	17-Nov-18 12:02		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFHpA	375-85-9	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFHxS	355-46-4	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFOA	335-67-1	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFOS	1763-23-1	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFNA	375-95-1	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	99.2	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
13C4-PFHpA	IS	81.0	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
18O2-PFHxS	IS	87.9	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
13C2-PFOA	IS	85.9	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
13C8-PFOS	IS	89.0	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
13C5-PFNA	IS	80.2	50 - 150		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

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

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limits of Detection
LOQ	Limits of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
Q	Ion ratio outside of 70-130% of Standard Ratio. (DOD PFAS projects only)
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	18-008-0
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	2018017
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	4042-009
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-18-8
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.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

GTO-WE14



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 1803677 Temp: 0.0 °C
 Storage ID: WR-2 Storage Secured: Yes No

Project ID: GTO-WE14 PO#: CH2M HILL Sampler: K. Smith
 (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#
<u>Kathryn Smith</u>	<u>CH2M HILL</u>	<u>11/16/18 18:00</u>	<u>Virginia Beach</u>	<u>VA</u>		
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time	
			<u>B. Benedict</u>	<u>11/17/18</u>	<u>1202</u>	
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				Method of Shipment: <u>FedEx</u>		Add Analysis(es) Requested		Container(s)		Mod. EPA Method 537		EPA Method 537(DW only)		Comments
ATTN: <u>Martha Maier</u>				Tracking No.: _____										
Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	PFOA/PFOS	UCMR3 PFAS List 6	337 List: 14	Full List of 26	Other: Please List Below	PFOA/PFOS	UCMR3 PFAS List 6	PFAS List: 14
<u>OC-RW05-1118</u>	<u>11/16/18</u>	<u>16:18</u>		<u>2</u>	<u>DW</u>					<u>X</u>				
<u>OC-RW05-1118-MS</u>		<u>16:18</u>		<u>2</u>	<u>DW</u>					<u>X</u>				
<u>OC-RW05-1118-SD</u>		<u>16:18</u>		<u>2</u>	<u>DW</u>					<u>X</u>				
<u>OC-RW05P-1118</u>		<u>16:19</u>		<u>2</u>	<u>DW</u>					<u>X</u>				
<u>OC-FR05-1118</u>		<u>16:20</u>		<u>2</u>	<u>DW</u>					<u>X</u>				

Special Instructions/Comments: See PO & project chemist for info

SEND DOCUMENTATION AND RESULTS TO:

Name: Andrew Larson
 Company: CH2M
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: _____ Fax: _____
 Email: _____

Container Types: P= HDPE, PJ= HDPE Jar 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: _____

Sample Log-In Checklist

Vista Work Order #: 1803677 Page # 1 of 1
TAT 14

Samples Arrival:	Date/Time: 11/17/18 1202	Initials: BMB	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time: 11/19/18 1117	Initials: KQ	Location: WR-2
			Shelf/Rack: A3/E4
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
		<input type="checkbox"/> GSO	<input type="checkbox"/> DHL
		<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: 0.0 (uncorrected)	Probe used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		Thermometer ID: DT3
Temp °C: 0.0 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>		
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Airbill	<input checked="" type="checkbox"/>		
Trk #			
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?			<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>		
COC Anomaly/Sample Acceptance Form completed?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			<input checked="" type="checkbox"/>
Preservation Documented:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input checked="" type="checkbox"/> Retain
		<input type="checkbox"/> Return	<input type="checkbox"/> Dispose

Comments:

EXTRACTION INFORMATION



Process Sheet

Workorder: **1803677**

Prep Expiration: 2018-Nov-30
Client: CH2M Hill

Workorder Due: **30-Nov-18 00:00**

TAT: 13

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

Prep Batch: B8K0162

Version: UCMR 3 (6 Analyte)
DoD: DoD QSM 5.1

Prep Data Entered: WJ 11/27/18
Date and Initials ^{MJT 11/27/18}

Initial Sequence: S8 K0064 68

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1803677-01	"A/B/C"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	OC-RW05-1118	MS/MSD	WR-2 A-3	HDPE Bottle, 125 mL
1803677-02	"A"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	OC-RW05P-1118		WR-2 A-3	HDPE Bottle, 125 mL
1803677-03	↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	OC-FB05-1118		WR-2 A-3	HDPE Bottle, 125 mL

WO Comments: List of 6, include Total PFOA.

Pre-Prep Check Out: HR 11/26/18

Prep Check Out: N/A

Prep Reconciled Initials/Date: HR 11/26/18

Pre-Prep Check In: N/A

Prep Check In: N/A

Spike Reconciled Initials/Date: FR 11-26-18

VialBoxID: Neptune

Matrix: Aqueous

PREPARATION BENCH SHEET

Method: 537M PFAS DOD (LOQ as mRL)

B8K0162

Chemist: CD

Prep Date: 11/26/18

Prep Time: 0855

Prepared using: Sonication Shaker SPE Extraction Centrifuge ID: _____

Cen	VISTA Sample ID	Date/Initials: <u>HE 11/26/18</u>				Balance ID: <u>HE MS-10</u>			IS/NS CHEM/WIT DATE	SPE	ENVI-Carb	RS CHEM/WIT DATE
		pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)				
<input type="checkbox"/>	B8K0162-BLK1	5	2	0	1	N/A	N/A	0.125	<u>CD 7R 11/26/18</u>	<u>CD 11/26/18</u>	<u>CD 11/26/18</u>	<u>CD 11/26/18</u>
<input type="checkbox"/>	B8K0162-BS1	5	2	0	1	↓	↓	0.125	↓	↓	↓	↓
<input type="checkbox"/>	B8K0162-MS1 1803677-01	6	2	0	2	143.71	26.75	0.11696 0.11696	↓	↓	↓	↓
<input type="checkbox"/>	B8K0162-MSD1 1803677-01	6	2	0	2	141.48	26.85	0.11463	↓	↓	↓	↓
<input type="checkbox"/>	1803677-01	6	2	0	2	142.72	26.82	0.11590	↓	↓	↓	↓
<input type="checkbox"/>	1803677-02	6	2	0	2	144.17	26.65	0.11752	↓	↓	↓	↓
<input type="checkbox"/>	1803677-03	5	2	0	1	148.57	26.70	0.12187	↓	↓	↓	↓

IS: <u>18J1502, 10µL, V3</u>	SPE Chem: <u>X-AW 33µm 200mg 6mL</u>	Notes:
IS SUP: <u>N/A</u>	SPE Lot#: <u>518-004499</u>	
NS: <u>18J1505, 10µL, V3</u> 18J1502, 10µL, V3	ENVI-Carb Lot#: <u>10262101</u>	
NS SUP: <u>N/A</u>	Ele SOLV: <u>MeOH/0.5%NH4OH in MeOH</u>	
RS: <u>18J1503, 10µL, V3</u>	Final Volume(s) <u>1</u> mL	

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

- 1 = Sample centrifuged twice
- 2 = Sample deeply colored after centrifuge
- 3 = Cartridge sorbent discolored after SPE
- 4 = Sample clogged cartridge, additional cartridge(s) used
- 5 = Sample recombined at final volume

- 6 = Sample took longer to SPE, required stronger vacuum
- 7 = Required Nitrogen line to finish SPE
- 8 = Required Nitrogen line to finish elution
- 9 = Sample arrived with low volume
- 10 = Trizma added to QC (5g/L)

Batch: B8K0162

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1803677-01	0.1159 ✓	NA	NA	1000	26-Nov-18 08:55	AD			Drinking Water	537M PFAS DOD (LOQ as
1803677-02	0.11752 ✓	↓	↓	1000	26-Nov-18 08:55	AD			Drinking Water	537M PFAS DOD (LOQ as
1803677-03	0.12187 ✓	↓	↓	1000	26-Nov-18 08:55	AD			Drinking Water	537M PFAS DOD (LOQ as
B8K0162-BLK1	0.125 ✓	↓	↓	1000	26-Nov-18 08:55	AD				QC
B8K0162-BS1	0.125 ✓	↓	↓	1000	26-Nov-18 08:55	AD	18J1505 ✓	10 ✓		QC
B8K0162-MS1	0.11696 ✓	↓	↓	1000	26-Nov-18 08:55	AD	18J1505 ✓	10 ✓		QC
B8K0162-MSD1	0.11463 ✓	↓	↓	1000	26-Nov-18 08:55	AD	18J1505 ✓	10 ✓		QC

ug 11/27/18

Sample Data – PFAS Isotope Dilution Method

Dataset: Z:\Projects\PFAS.PRO\Results\181127M1\181127M1-16.qld

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Printed: Wednesday, November 28, 2018 10:02:07 Pacific Standard Time

Name: 181127M1_16, Date: 27-Nov-2018, Time: 16:05:38, ID: B8K0162-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	Trace	Area	IS Area	wt/vol	RRF Mean	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3	PFBS	299.0 > 79.7		1.38e3	0.125	2.77						
2	7	PFHpA	363.0 > 318.9		9.81e3	0.125	4.01						
3	8	L-PFHxS	398.9 > 79.6	8.52e0	1.19e3	0.125	4.14	4.15	0.0896	0.3728		1.600	NO
4	68	Total PFHxS	398.9 > 79.6	8.52e0	1.19e3	0.125	4.28		0.0896	0.3728			
5	38	13C3-PFBS	302. > 98.8	1.38e3	3.19e3	0.125	0.537	2.72	2.77	5.39	80.2670	80.3	
6	41	13C4-PFHpA	367.2 > 321.8	9.81e3	2.54e4	0.125	0.537	3.97	4.01	4.82	71.9062	71.9	
7	42	18O2-PFHxS	403.0 > 102.6	1.19e3	3.19e3	0.125	0.448	4.11	4.14	4.65	82.9873	83.0	
8	42	18O2-PFHxS	403.0 > 102.6	1.19e3	3.19e3	0.125	0.448	4.11	4.14	4.65	82.9873	83.0	
9	-1												
10	11	L-PFOA	412.8 > 368.9	6.11e1	1.61e4	0.125	4.47	4.50	0.0475			1.748	NO
11	69	Total PFOA	412.8 > 368.9	6.11e1	1.61e4	0.125	4.62		0.000				
12	16	L-PFOS	498.9 > 79.9		1.45e3	0.125	5.02						
13	70	Total PFOS	498.9 > 79.9	0.00e0	1.45e3	0.125	5.13		0.000				
14	44	13C2-PFOA	414.9 > 369.7	1.61e4	2.83e4	0.125	0.755	4.46	4.49	7.09	75.0863	75.1	
15	44	13C2-PFOA	414.9 > 369.7	1.61e4	2.83e4	0.125	0.755	4.46	4.49	7.09	75.0863	75.1	
16	47	13C8-PFOS	507.0 > 79.9	1.45e3	1.72e3	0.125	1.042	4.98	5.01	10.5	80.8865	80.9	
17	47	13C8-PFOS	507.0 > 79.9	1.45e3	1.72e3	0.125	1.042	4.98	5.01	10.5	80.8865	80.9	
18	-1												
19	14	PFNA	463.0 > 418.8		1.14e4	0.125	4.90						
20	73	TCDA	498.3>106.9			0.125	5.15						
21	61	13C5-PFHxA	318 > 272.9	2.54e4	2.54e4	0.125	1.000	3.30	3.34	12.5	100.0000	100.0	
22	63	13C8-PFOA	420.9 > 376	2.83e4	2.83e4	0.125	1.000	4.46	4.49	12.5	100.0000	100.0	
23	45	13C5-PFNA	468.2 > 422.9	1.14e4	1.55e4	0.125	0.991	4.90	4.92	9.16	73.9750	74.0	
24	47	13C8-PFOS	507.0 > 79.9	1.45e3	1.72e3	0.125	1.042	4.98	5.01	10.5	80.8865	80.9	
25	64	13C9-PFNA	472.2 > 426.9	1.55e4	1.55e4	0.125	1.000	4.90	4.92	12.5	100.0000	100.0	
26	62	13C3-PFHxS	401.8 > 79.9	3.19e3	3.19e3	0.125	1.000	4.11	4.14	12.5	100.0000	100.0	
27	65	13C4-PFOS	503 > 79.9	1.72e3	1.72e3	0.125	1.000	4.98	5.01	12.5	100.0000	100.0	

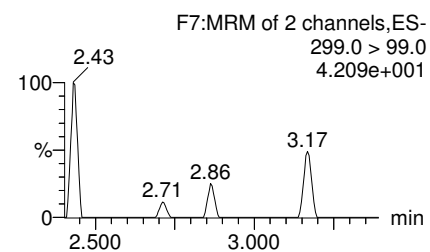
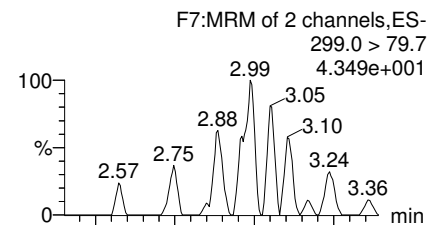
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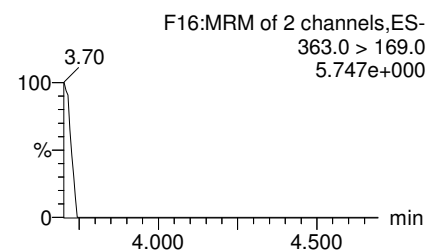
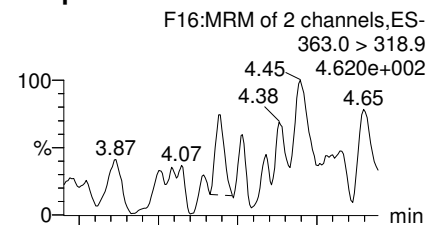
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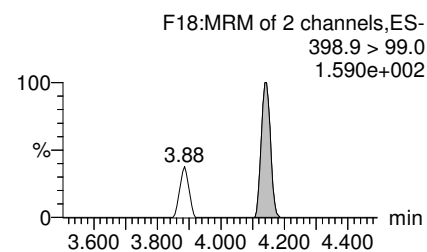
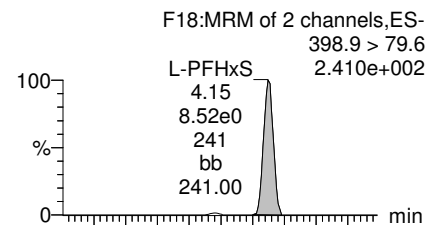
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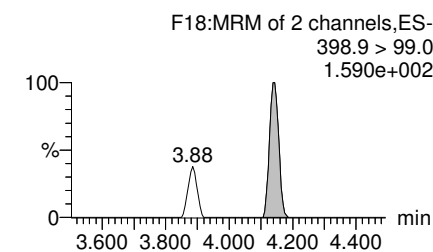
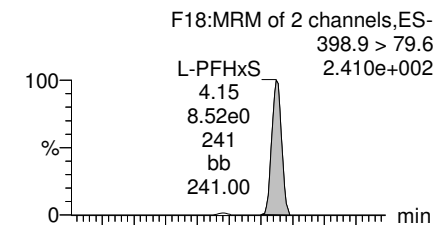
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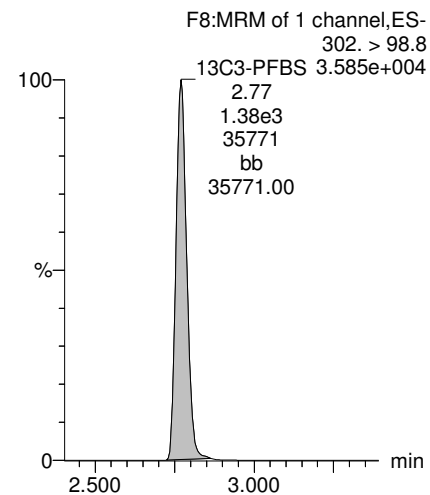
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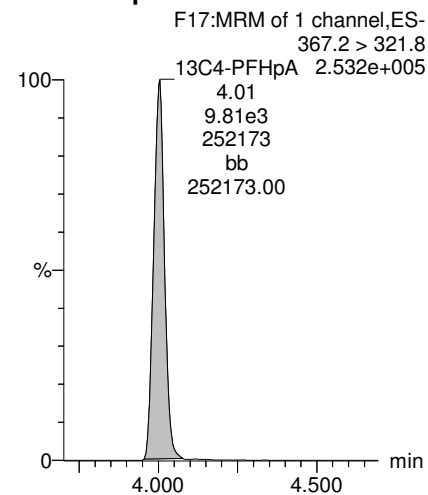
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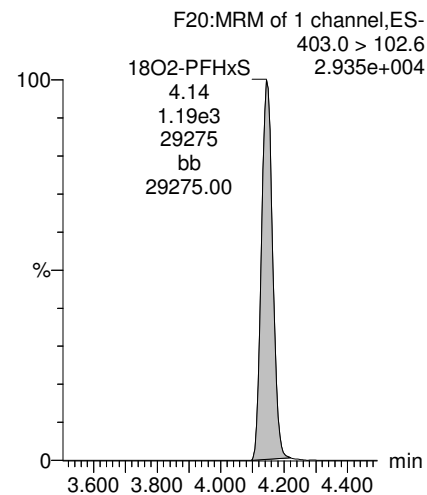
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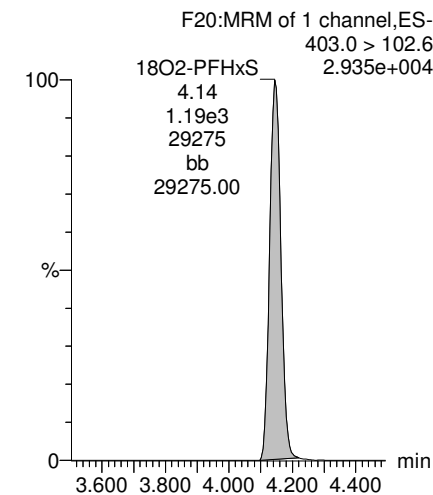
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18O2-PFHxS



18O2-PFHxS

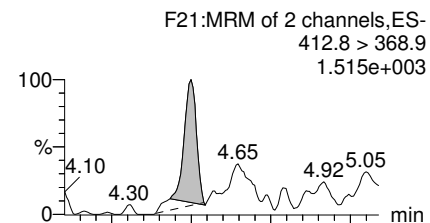


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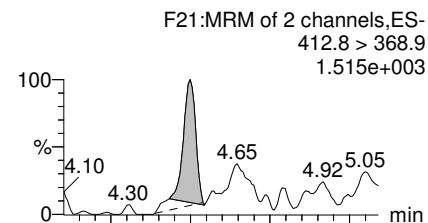
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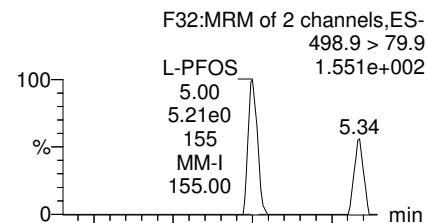
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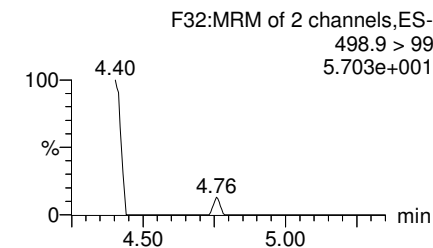
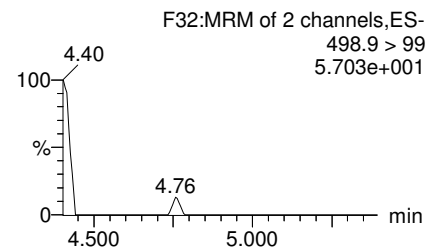
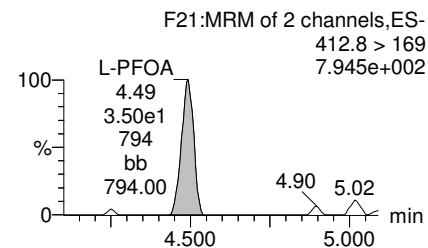
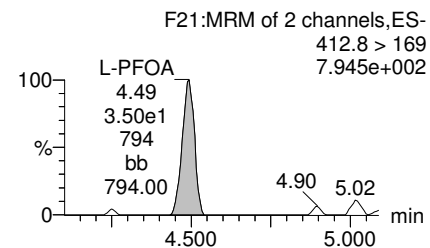
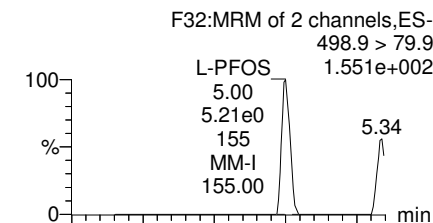
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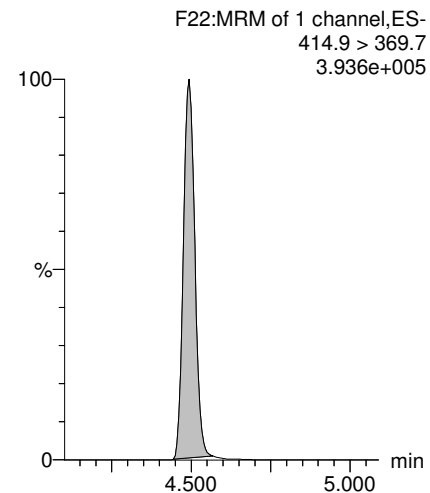
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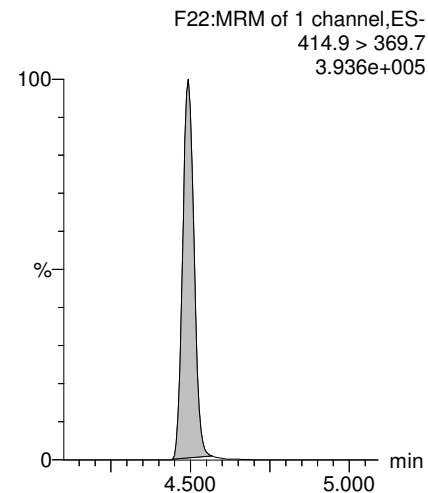
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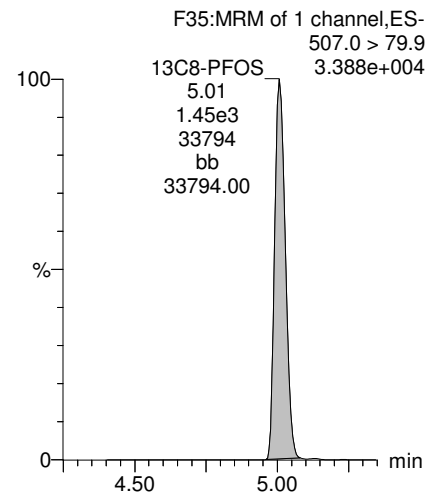
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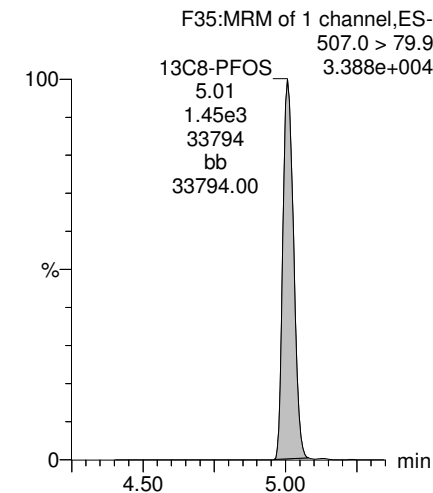
13C2-PFOA



13C8-PFOS



13C8-PFOS



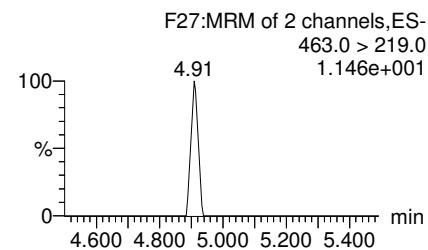
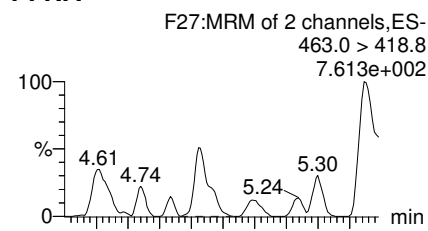
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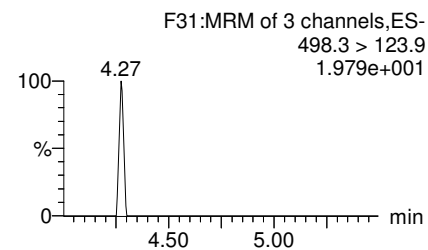
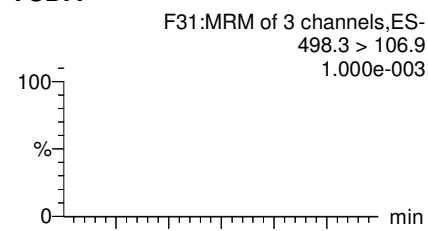
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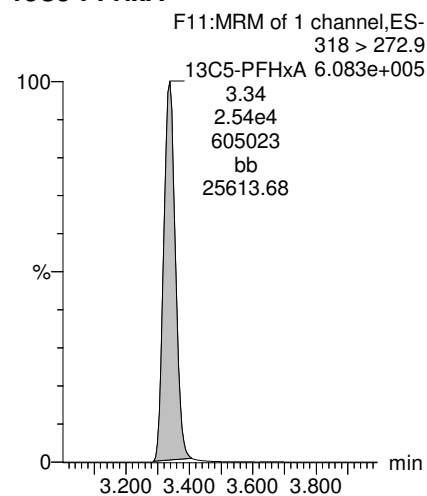
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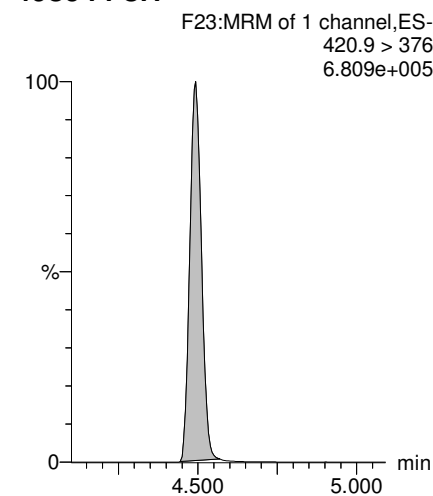
TCDA



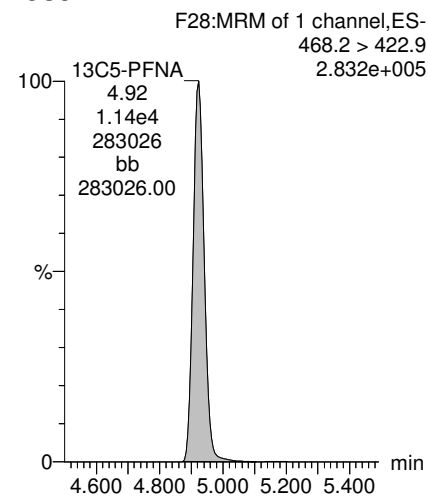
13C5-PFHxA



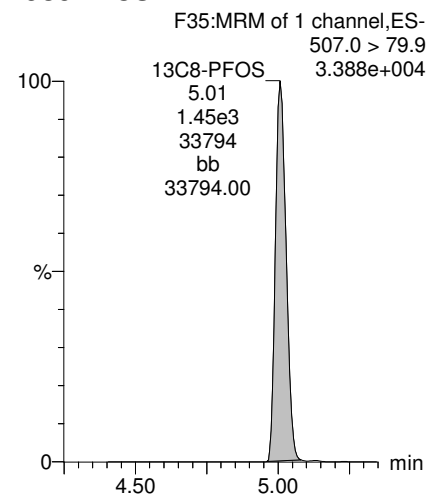
13C8-PFOA



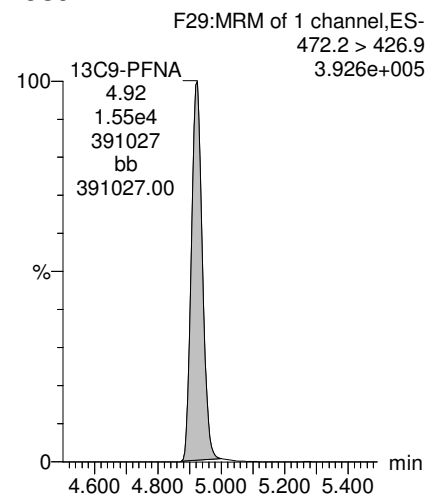
13C5-PFNA



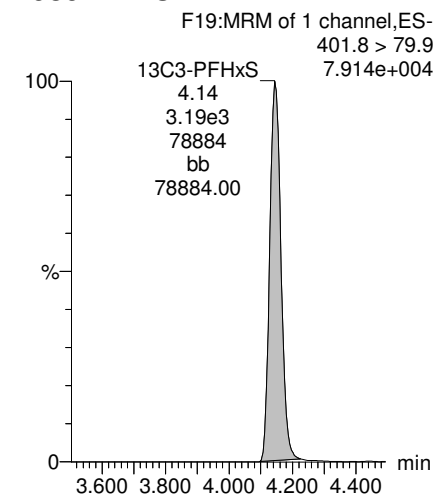
13C8-PFOS



13C9-PFNA



13C3-PFHxS



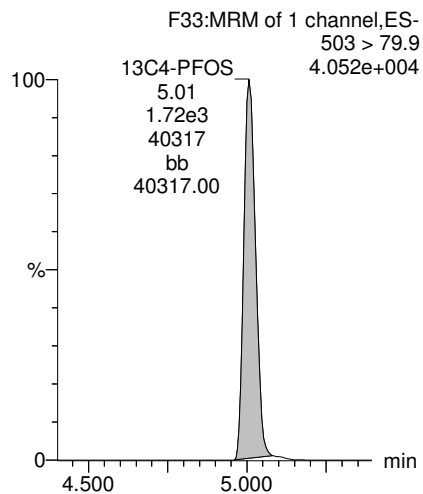
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Last Altered: Wednesday, November 28, 2018 10:01:52 Pacific Standard Time

Printed: Wednesday, November 28, 2018 10:02:07 Pacific Standard Time

Name: 181127M1_16, Date: 27-Nov-2018, Time: 16:05:38, ID: B8K0162-BLK1 Method Blank 0.125, Description: Method Blank

13C4-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\181127M1\181127M1-15.qld

Last Altered: Wednesday, November 28, 2018 09:57:25 Pacific Standard Time

Printed: Wednesday, November 28, 2018 09:58:25 Pacific Standard Time

Name: 181127M1_15, Date: 27-Nov-2018, Time: 15:55:05, ID: B8K0162-BS1 OPR 0.125, Description: OPR

	# Name	Trace	Area	IS Area	wt/vol	RRF Mean	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3 PFBS	299.0 > 79.7	1.88e3	1.61e3	0.125		2.77	2.77	14.6	56.6524	70.8	2.588	NO
2	7 PFHpA	363.0 > 318.9	9.09e3	1.14e4	0.125		4.00	4.00	9.95	60.2830	75.4	13.978	NO
3	8 L-PFHxS	398.9 > 79.6	1.50e3	1.27e3	0.125		4.14	4.14	14.8	61.0813	76.4	1.754	NO
4	68 Total PFHxS	398.9 > 79.6	1.50e3	1.27e3	0.125		4.28		14.8	61.0813			
5	38 13C3-PFBS	302. > 98.8	1.61e3	3.03e3	0.125	0.537	2.72	2.77	6.65	99.0365	99.0		
6	41 13C4-PFHpA	367.2 > 321.8	1.14e4	2.47e4	0.125	0.537	3.97	4.00	5.78	86.2192	86.2		
7	42 18O2-PFHxS	403.0 > 102.6	1.27e3	3.03e3	0.125	0.448	4.11	4.14	5.23	93.3527	93.4		
8	42 18O2-PFHxS	403.0 > 102.6	1.27e3	3.03e3	0.125	0.448	4.11	4.14	5.23	93.3527	93.4		
9	-1												
10	11 L-PFOA	412.8 > 368.9	1.43e4	1.75e4	0.125		4.47	4.49	10.2	59.1477	73.9	3.467	NO
11	69 Total PFOA	412.8 > 368.9	1.43e4	1.75e4	0.125		4.62		10.2	59.1477			
12	16 L-PFOS	498.9 > 79.9	1.16e3	1.85e3	0.125		5.02	5.01	7.85	57.0325	71.3	2.179	NO
13	70 Total PFOS	498.9 > 79.9	1.16e3	1.85e3	0.125		5.13		7.85	57.0325			
14	44 13C2-PFOA	414.9 > 369.7	1.75e4	2.61e4	0.125	0.755	4.46	4.49	8.38	88.7590	88.8		
15	44 13C2-PFOA	414.9 > 369.7	1.75e4	2.61e4	0.125	0.755	4.46	4.49	8.38	88.7590	88.8		
16	47 13C8-PFOS	507.0 > 79.9	1.85e3	1.77e3	0.125	1.042	4.98	5.01	13.0	100.0196	100.0		
17	47 13C8-PFOS	507.0 > 79.9	1.85e3	1.77e3	0.125	1.042	4.98	5.01	13.0	100.0196	100.0		
18	-1												
19	14 PFNA	463.0 > 418.8	8.29e3	1.13e4	0.125		4.90	4.92	9.14	58.2632	72.8	4.495	NO
20	73 TCDA	498.3>106.9			0.125		5.15						
21	61 13C5-PFHxA	318 > 272.9	2.47e4	2.47e4	0.125	1.000	3.30	3.34	12.5	100.0000	100.0		
22	63 13C8-PFOA	420.9 > 376	2.61e4	2.61e4	0.125	1.000	4.46	4.49	12.5	100.0000	100.0		
23	45 13C5-PFNA	468.2 > 422.9	1.13e4	1.42e4	0.125	0.991	4.90	4.92	10.0	80.8481	80.8		
24	47 13C8-PFOS	507.0 > 79.9	1.85e3	1.77e3	0.125	1.042	4.98	5.01	13.0	100.0196	100.0		
25	64 13C9-PFNA	472.2 > 426.9	1.42e4	1.42e4	0.125	1.000	4.90	4.92	12.5	100.0000	100.0		
26	62 13C3-PFHxS	401.8 > 79.9	3.03e3	3.03e3	0.125	1.000	4.11	4.14	12.5	100.0000	100.0		
27	65 13C4-PFOS	503 > 79.9	1.77e3	1.77e3	0.125	1.000	4.98	5.01	12.5	100.0000	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\181127M1\181127M1-15.qld

Last Altered: Wednesday, November 28, 2018 09:57:25 Pacific Standard Time

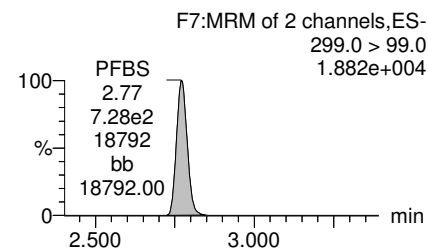
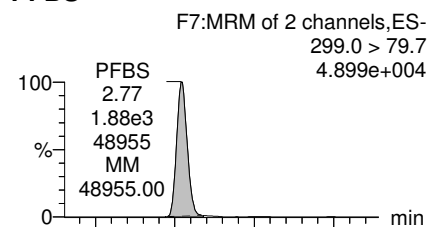
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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112718.mdb 28 Nov 2018 07:06:35

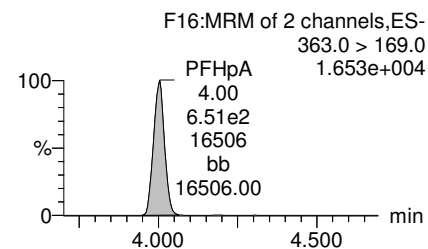
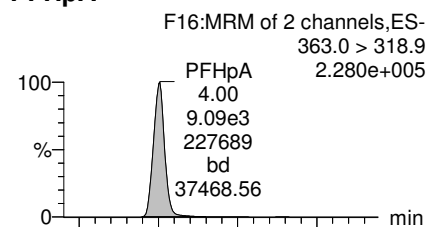
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Name: 181127M1_15, Date: 27-Nov-2018, Time: 15:55:05, ID: B8K0162-BS1 OPR 0.125, Description: OPR

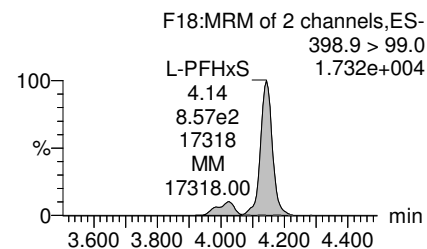
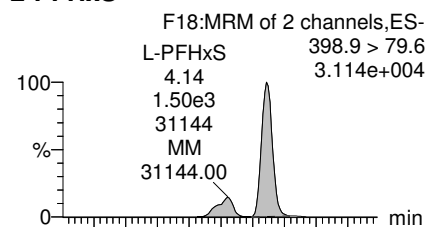
PFBS



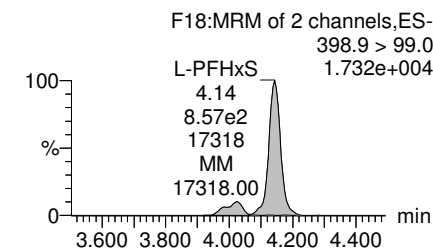
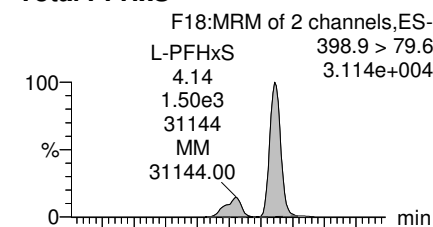
PFHpA



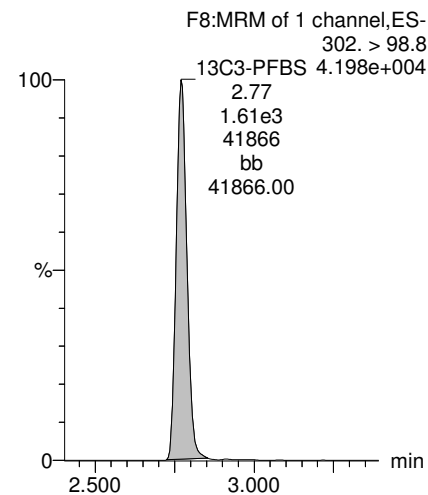
L-PFHxS



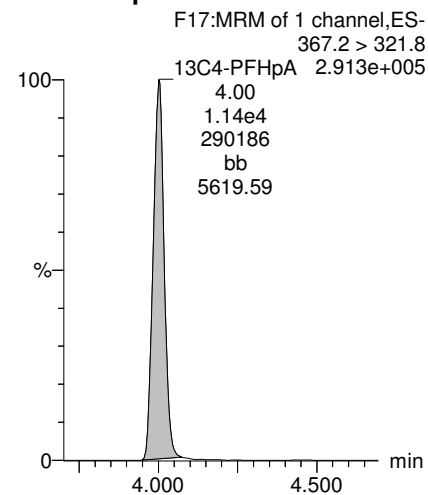
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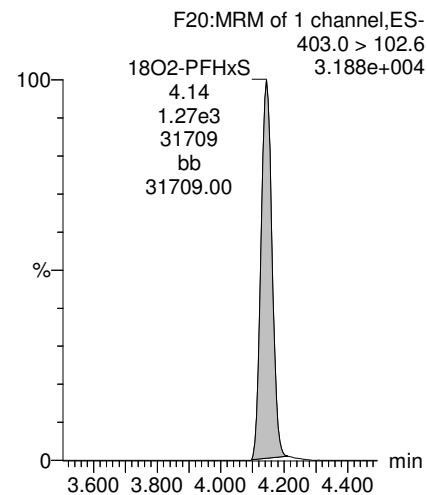
13C3-PFBS



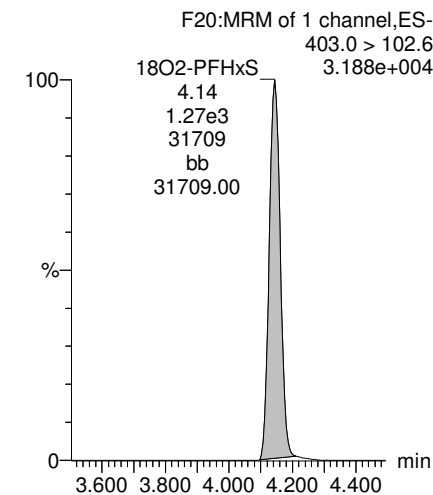
13C4-PFHpA



18O2-PFHxS



18O2-PFHxS



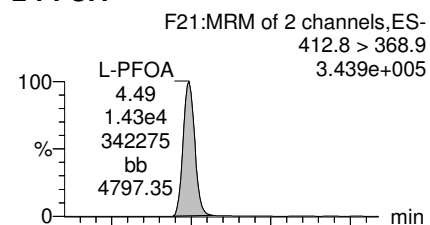
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Last Altered: Wednesday, November 28, 2018 09:57:25 Pacific Standard Time

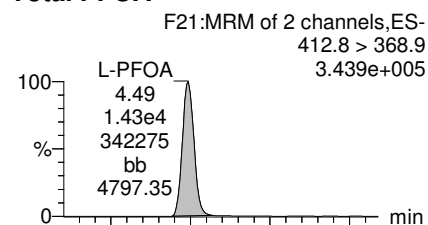
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Name: 181127M1_15, Date: 27-Nov-2018, Time: 15:55:05, ID: B8K0162-BS1 OPR 0.125, Description: OPR

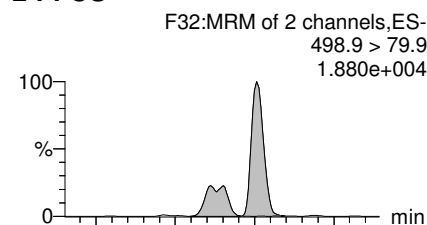
L-PFOA



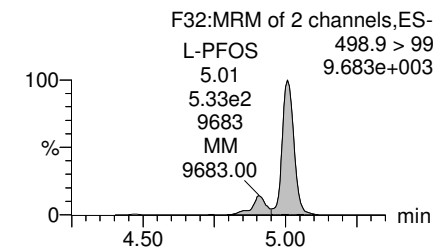
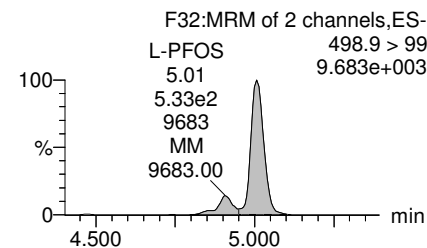
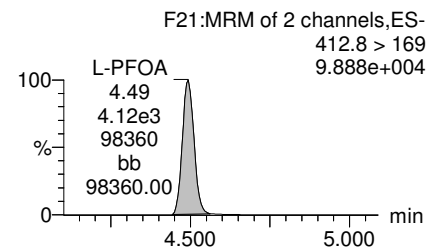
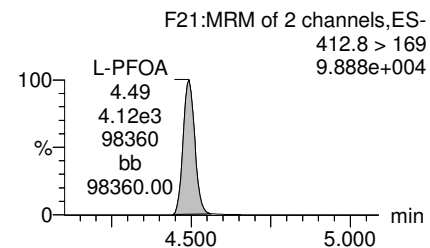
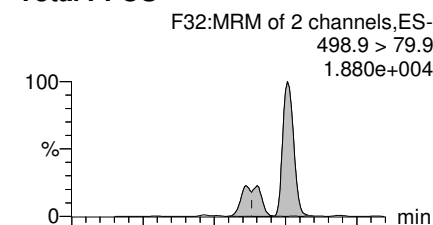
Total PFOA



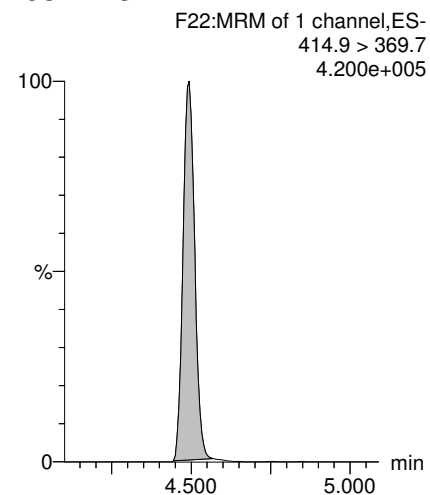
L-PFOS



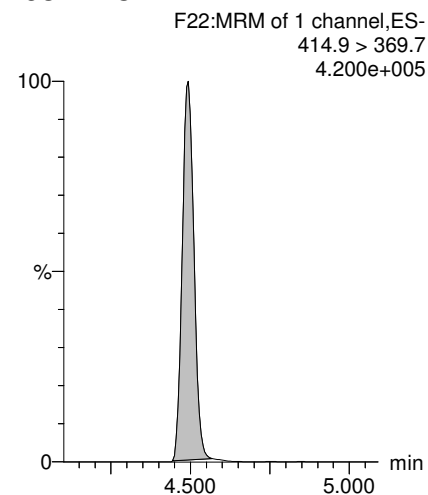
Total PFOS



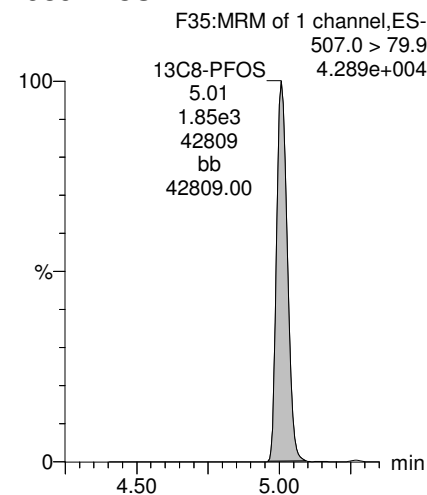
13C2-PFOA



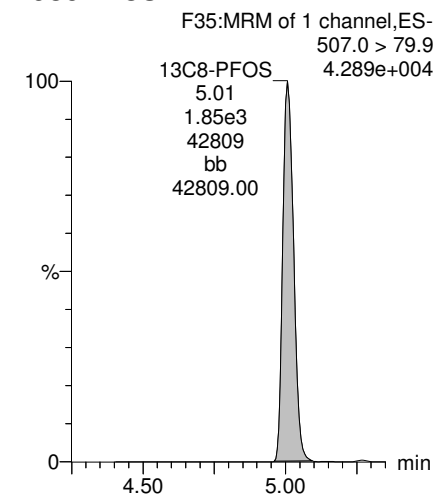
13C2-PFOA



13C8-PFOS



13C8-PFOS



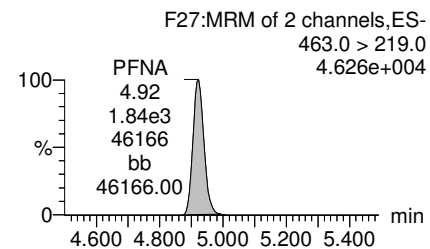
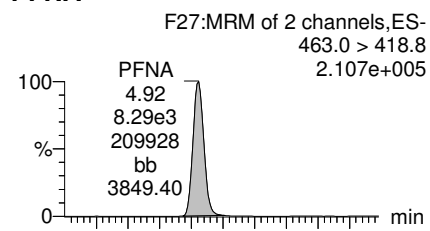
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Last Altered: Wednesday, November 28, 2018 09:57:25 Pacific Standard Time

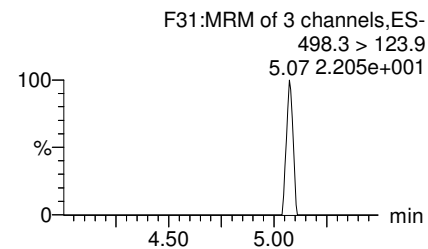
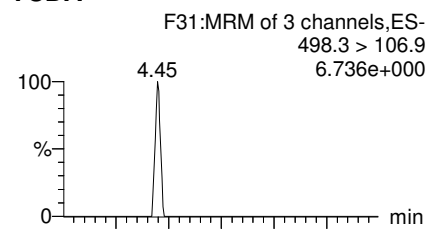
Printed: Wednesday, November 28, 2018 09:58:25 Pacific Standard Time

Name: 181127M1_15, Date: 27-Nov-2018, Time: 15:55:05, ID: B8K0162-BS1 OPR 0.125, Description: OPR

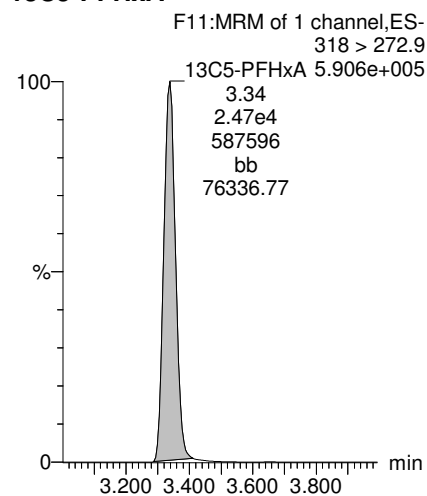
PFNA



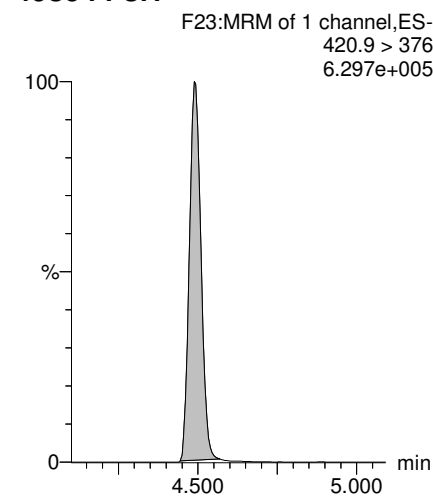
TCDA



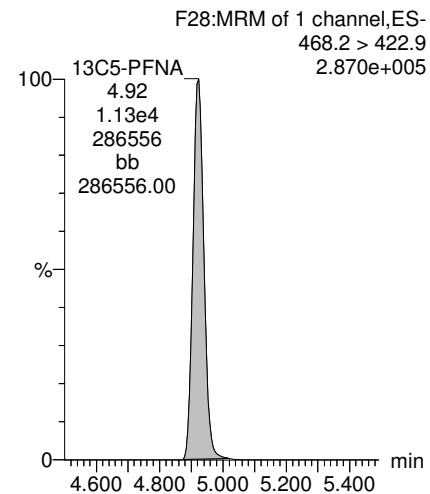
13C5-PFHxA



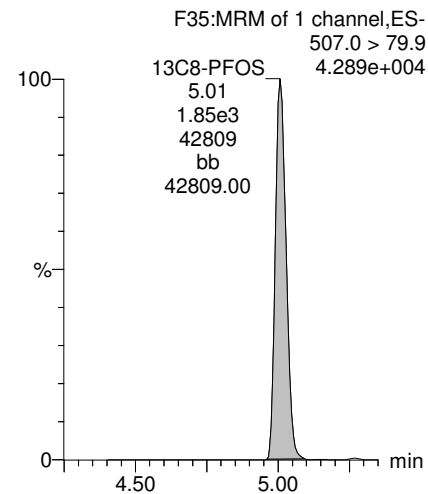
13C8-PFOA



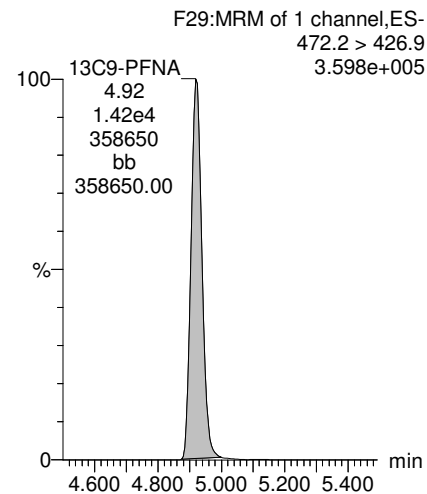
13C5-PFNA



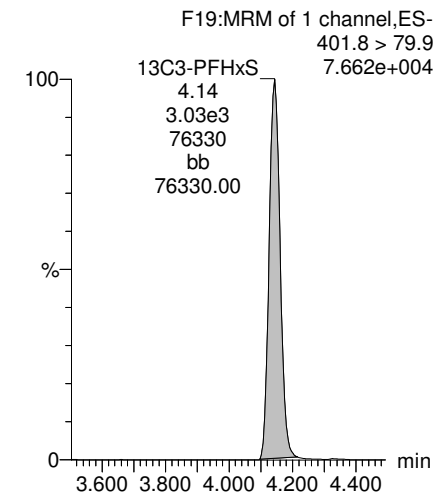
13C8-PFOS



13C9-PFNA



13C3-PFHxS



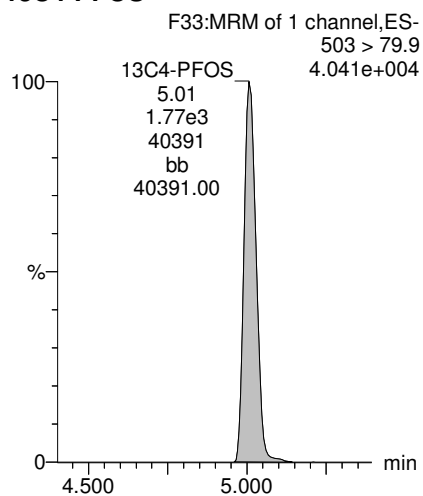
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Last Altered: Wednesday, November 28, 2018 09:57:25 Pacific Standard Time

Printed: Wednesday, November 28, 2018 09:58:25 Pacific Standard Time

Name: 181127M1_15, Date: 27-Nov-2018, Time: 15:55:05, ID: B8K0162-BS1 OPR 0.125, Description: OPR

13C4-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\181127M1\181127M1-17.qld

Last Altered: Wednesday, November 28, 2018 10:32:47 Pacific Standard Time

Printed: Wednesday, November 28, 2018 10:33:02 Pacific Standard Time

Name: 181127M1_17, Date: 27-Nov-2018, Time: 16:16:16, ID: 1803677-01 OC-RW05-1118 0.1159, Description: OC-RW05-1118

#	Name	Trace	Area	IS Area	wt/vol	RRF Mean	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3	PFBS	299.0 > 79.7	1.60e3	0.116		2.77						
2	7	PFHpA	363.0 > 318.9	1.03e4	0.116		4.00						
3	8	L-PFHxS	398.9 > 79.6	1.15e1	1.22e3	0.116	4.14	4.14	0.118	0.5278		2.251	NO
4	68	Total PFHxS	398.9 > 79.6	1.15e1	1.22e3	0.116	4.28		0.118	0.5278			
5	38	13C3-PFBS	302. > 98.8	1.60e3	3.05e3	0.116	0.537	2.72	2.77	6.54	105.0677	97.4	
6	41	13C4-PFHpA	367.2 > 321.8	1.03e4	2.62e4	0.116	0.537	3.97	4.01	4.93	79.2395	73.5	
7	42	18O2-PFHxS	403.0 > 102.6	1.22e3	3.05e3	0.116	0.448	4.11	4.14	5.00	96.2162	89.2	
8	42	18O2-PFHxS	403.0 > 102.6	1.22e3	3.05e3	0.116	0.448	4.11	4.14	5.00	96.2162	89.2	
9	-1												
10	11	L-PFOA	412.8 > 368.9	7.39e1	1.70e4	0.116	4.47	4.49	0.0544			4.287	NO
11	69	Total PFOA	412.8 > 368.9	7.39e1	1.70e4	0.116	4.62		0.000				
12	16	L-PFOS	498.9 > 79.9		1.39e3	0.116	5.02						
13	70	Total PFOS	498.9 > 79.9	0.00e0	1.39e3	0.116	5.13		0.000				
14	44	13C2-PFOA	414.9 > 369.7	1.70e4	2.81e4	0.116	0.755	4.46	4.49	7.55	86.3175	80.0	
15	44	13C2-PFOA	414.9 > 369.7	1.70e4	2.81e4	0.116	0.755	4.46	4.49	7.55	86.3175	80.0	
16	47	13C8-PFOS	507.0 > 79.9	1.39e3	1.52e3	0.116	1.042	4.98	5.01	11.4	94.2867	87.4	
17	47	13C8-PFOS	507.0 > 79.9	1.39e3	1.52e3	0.116	1.042	4.98	5.01	11.4	94.2867	87.4	
18	-1												
19	14	PFNA	463.0 > 418.8		1.16e4	0.116	4.90						
20	73	TCDA	498.3 > 106.9			0.116	5.15						
21	61	13C5-PFHxA	318 > 272.9	2.62e4	2.62e4	0.116	1.000	3.30	3.34	12.5	107.8516	100.0	
22	63	13C8-PFOA	420.9 > 376	2.81e4	2.81e4	0.116	1.000	4.46	4.49	12.5	107.8516	100.0	
23	45	13C5-PFNA	468.2 > 422.9	1.16e4	1.48e4	0.116	0.991	4.90	4.92	9.76	85.0021	78.8	
24	47	13C8-PFOS	507.0 > 79.9	1.39e3	1.52e3	0.116	1.042	4.98	5.01	11.4	94.2867	87.4	
25	64	13C9-PFNA	472.2 > 426.9	1.48e4	1.48e4	0.116	1.000	4.90	4.92	12.5	107.8516	100.0	
26	62	13C3-PFHxS	401.8 > 79.9	3.05e3	3.05e3	0.116	1.000	4.11	4.14	12.5	107.8516	100.0	
27	65	13C4-PFOS	503 > 79.9	1.52e3	1.52e3	0.116	1.000	4.98	5.01	12.5	107.8516	100.0	

Dataset: Z:\Projects\PFAS.PRO\Results\181127M1\181127M1-17.qld

Last Altered: Wednesday, November 28, 2018 10:32:47 Pacific Standard Time

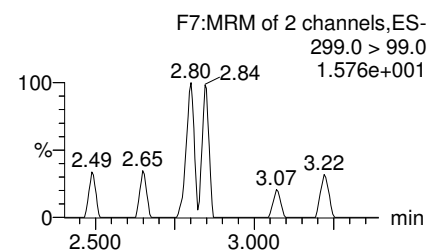
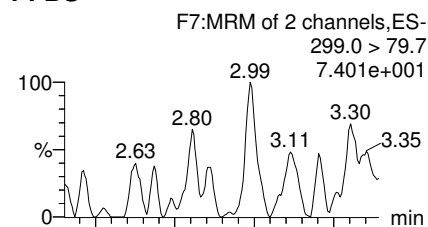
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Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112718.mdb 28 Nov 2018 07:06:35

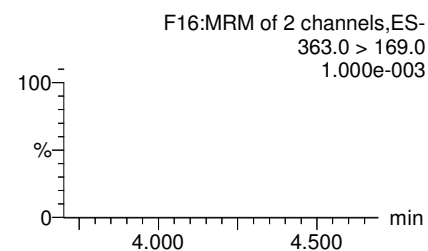
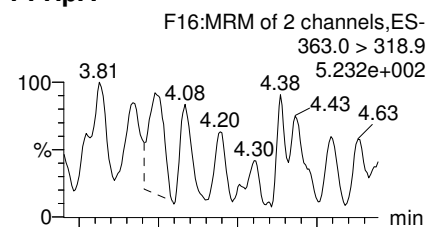
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Name: 181127M1_17, Date: 27-Nov-2018, Time: 16:16:16, ID: 1803677-01 OC-RW05-1118 0.1159, Description: OC-RW05-1118

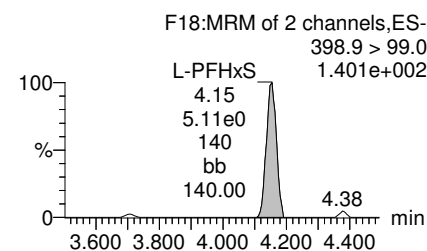
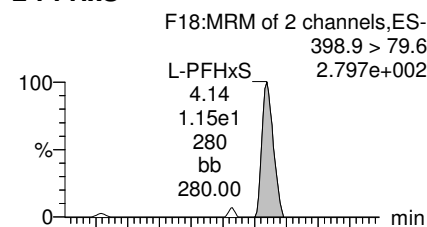
PFBS



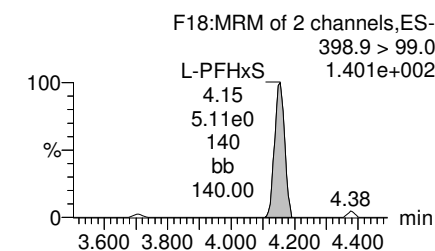
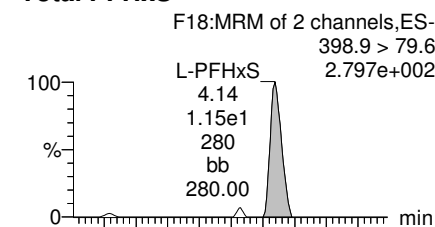
PFHpA



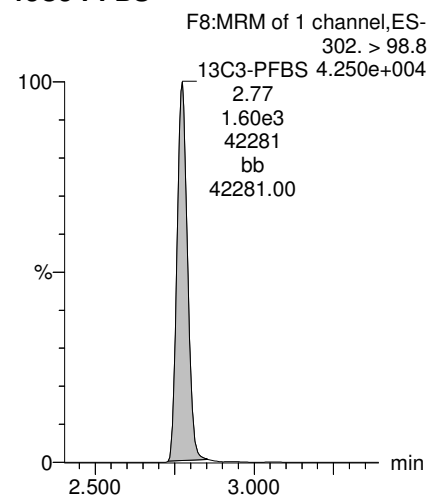
L-PFHxS



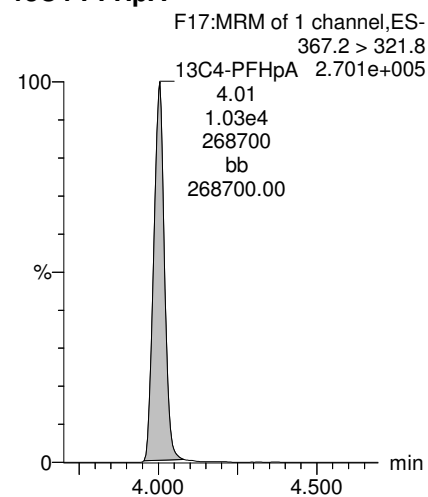
Total PFHxS



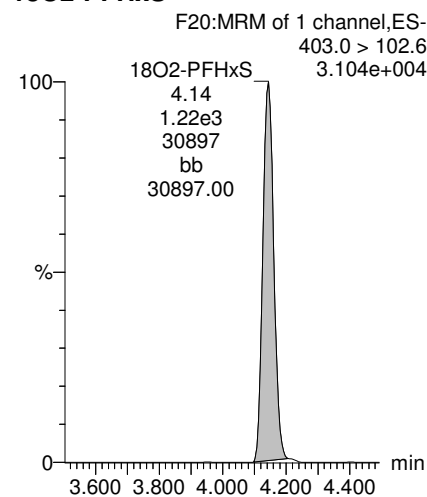
13C3-PFBS



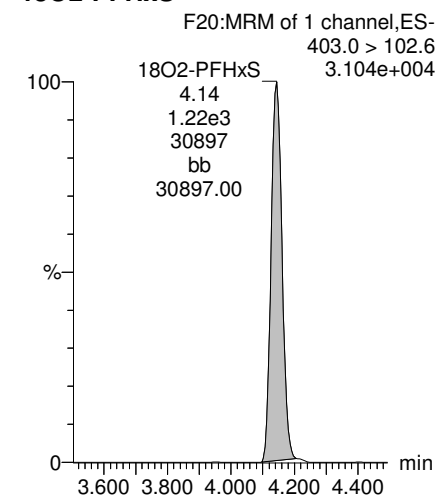
13C4-PFHpA



18O2-PFHxS



18O2-PFHxS



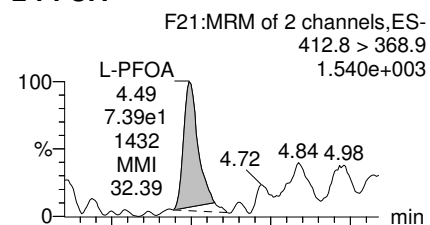
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Last Altered: Wednesday, November 28, 2018 10:32:47 Pacific Standard Time

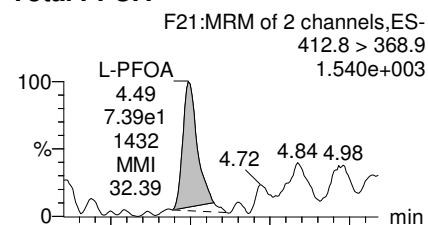
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Name: 181127M1_17, Date: 27-Nov-2018, Time: 16:16:16, ID: 1803677-01 OC-RW05-1118 0.1159, Description: OC-RW05-1118

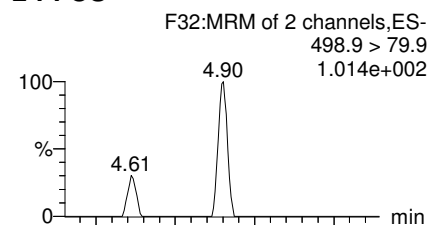
L-PFOA



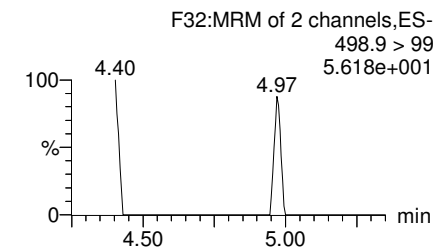
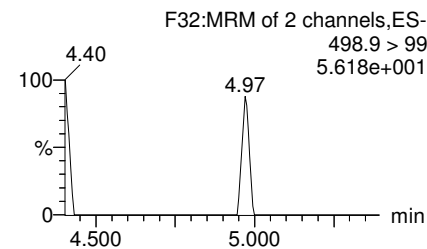
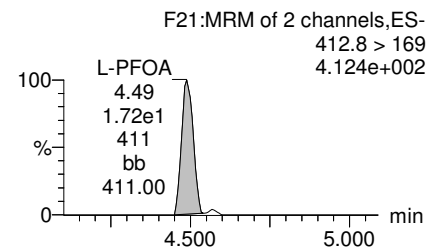
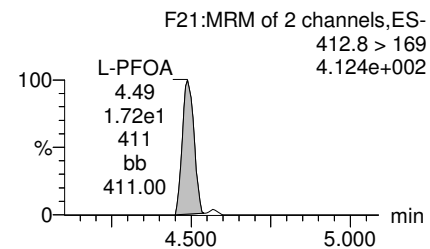
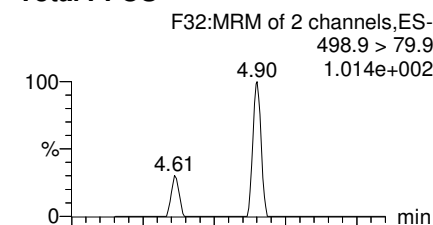
Total PFOA



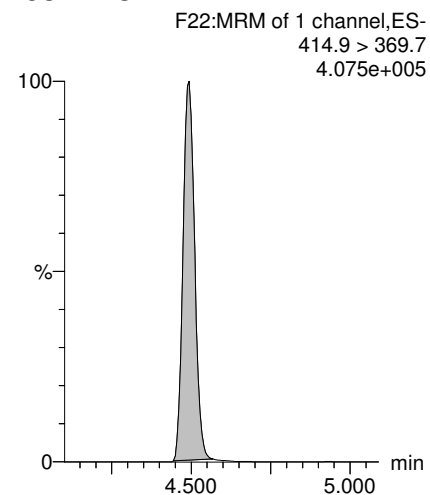
L-PFOS



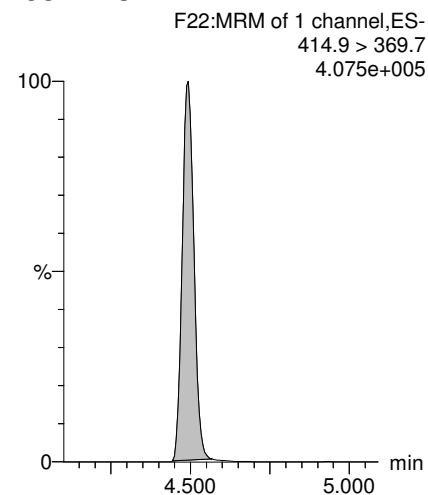
Total PFOS



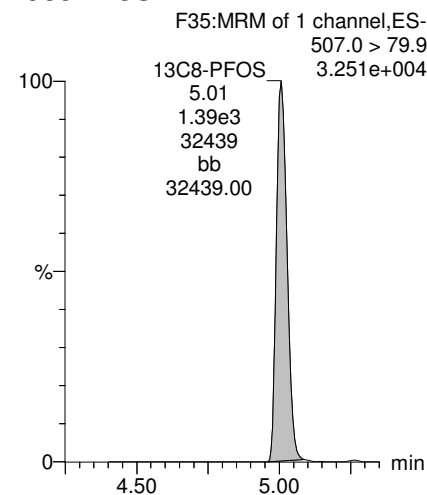
13C2-PFOA



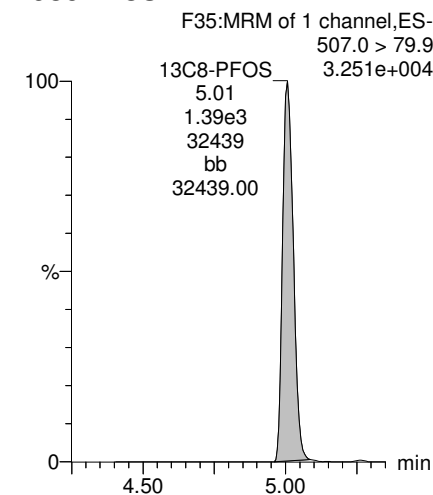
13C2-PFOA



13C8-PFOS



13C8-PFOS

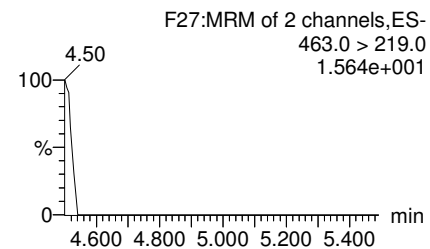
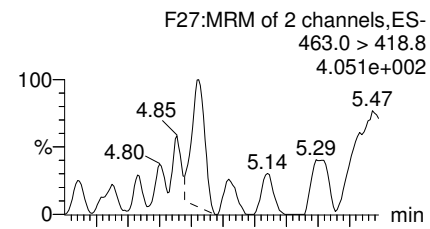


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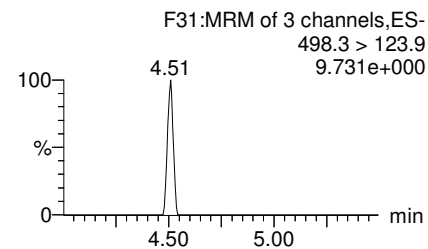
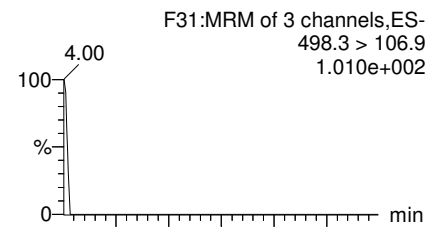
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Name: 181127M1_17, Date: 27-Nov-2018, Time: 16:16:16, ID: 1803677-01 OC-RW05-1118 0.1159, Description: OC-RW05-1118

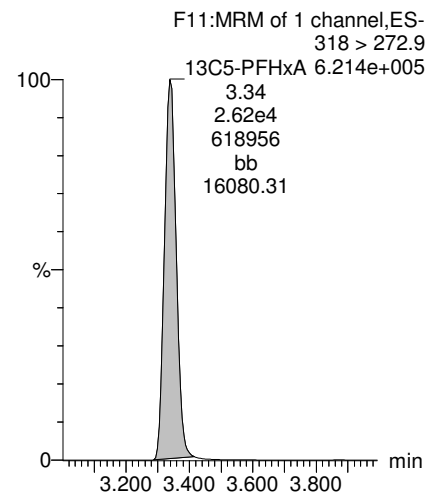
PFNA



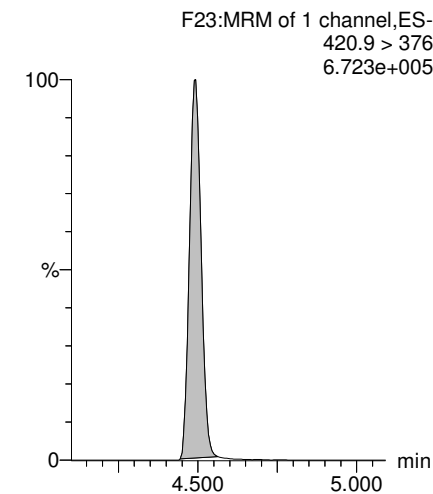
TCDA



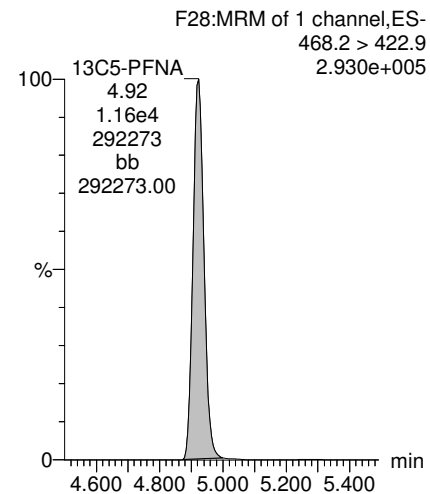
13C5-PFHxA



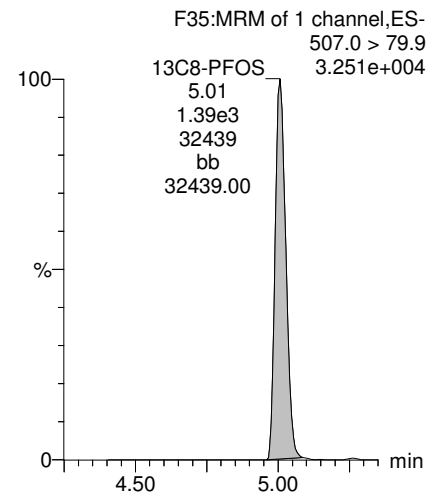
13C8-PFOA



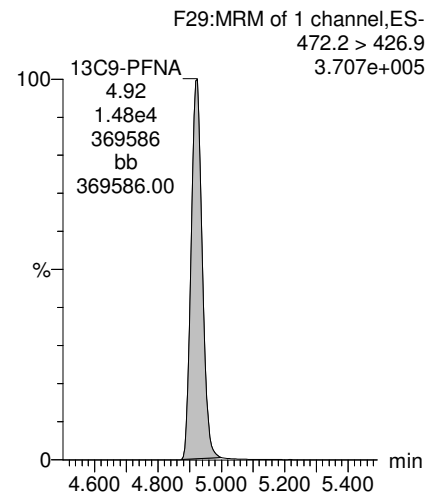
13C5-PFNA



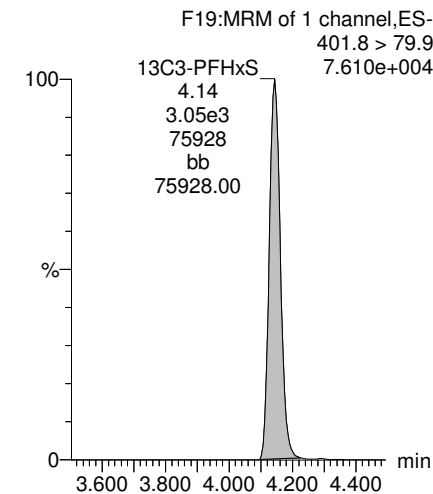
13C8-PFOS



13C9-PFNA



13C3-PFHxS



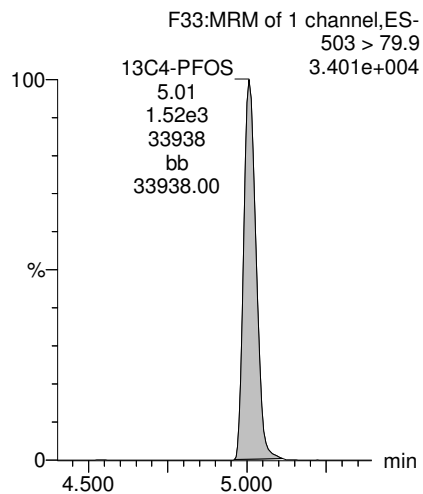
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Name: 181127M1_17, Date: 27-Nov-2018, Time: 16:16:16, ID: 1803677-01 OC-RW05-1118 0.1159, Description: OC-RW05-1118

13C4-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\181127M1\181127M1-13.qld

Last Altered: Wednesday, November 28, 2018 10:22:52 Pacific Standard Time

Printed: Wednesday, November 28, 2018 10:23:53 Pacific Standard Time

Name: 181127M1_13, Date: 27-Nov-2018, Time: 15:33:53, ID: B8K0162-MS1 Matrix Spike 0.11696, Description: Matrix Spike

	# Name	Trace	Area	IS Area	wt/vol	RRF Mean	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3 PFBS	299.0 > 79.7	2.09e3	1.55e3	0.117		2.77	2.77	16.8	69.6599		2.472	NO
2	7 PFHpA	363.0 > 318.9	9.98e3	1.16e4	0.117		4.00	4.00	10.8	69.7146		12.515	NO
3	8 L-PFHxS	398.9 > 79.6	1.63e3	1.27e3	0.117		4.14	4.14	16.1	70.7102		1.622	NO
4	68 Total PFHxS	398.9 > 79.6	1.63e3	1.27e3	0.117		4.28		16.1	70.7102			
5	38 13C3-PFBS	302. > 98.8	1.55e3	3.22e3	0.117	0.537	2.72	2.77	6.01	95.7393	89.6		
6	41 13C4-PFHpA	367.2 > 321.8	1.16e4	2.55e4	0.117	0.537	3.97	4.00	5.68	90.4876	84.7		
7	42 18O2-PFHxS	403.0 > 102.6	1.27e3	3.22e3	0.117	0.448	4.11	4.14	4.92	93.9584	87.9		
8	42 18O2-PFHxS	403.0 > 102.6	1.27e3	3.22e3	0.117	0.448	4.11	4.14	4.92	93.9584	87.9		
9	-1												
10	11 L-PFOA	412.8 > 368.9	1.68e4	1.87e4	0.117		4.47	4.49	11.3	69.9587		3.201	NO
11	69 Total PFOA	412.8 > 368.9	1.68e4	1.87e4	0.117		4.62		11.3	69.9587			
12	16 L-PFOS	498.9 > 79.9	1.86e3	2.46e3	0.117		5.02	5.01	9.44	73.3495		1.911	NO
13	70 Total PFOS	498.9 > 79.9	1.86e3	2.46e3	0.117		5.13		9.44	73.3495			
14	44 13C2-PFOA	414.9 > 369.7	1.87e4	3.04e4	0.117	0.755	4.46	4.49	7.69	87.0452	81.4		
15	44 13C2-PFOA	414.9 > 369.7	1.87e4	3.04e4	0.117	0.755	4.46	4.49	7.69	87.0452	81.4		
16	47 13C8-PFOS	507.0 > 79.9	2.46e3	2.77e3	0.117	1.042	4.98	5.01	11.1	91.1533	85.3		
17	47 13C8-PFOS	507.0 > 79.9	2.46e3	2.77e3	0.117	1.042	4.98	5.01	11.1	91.1533	85.3		
18	-1												
19	14 PFNA	463.0 > 418.8	1.30e4	1.55e4	0.117		4.90	4.92	10.4	71.1764		4.703	NO
20	73 TCDA	498.3>106.9			0.117		5.15						
21	61 13C5-PFHxA	318 > 272.9	2.55e4	2.55e4	0.117	1.000	3.30	3.34	12.5	106.8741	100.0		
22	63 13C8-PFOA	420.9 > 376	3.04e4	3.04e4	0.117	1.000	4.46	4.49	12.5	106.8741	100.0		
23	45 13C5-PFNA	468.2 > 422.9	1.55e4	1.96e4	0.117	0.991	4.90	4.92	9.89	85.3615	79.9		
24	47 13C8-PFOS	507.0 > 79.9	2.46e3	2.77e3	0.117	1.042	4.98	5.01	11.1	91.1533	85.3		
25	64 13C9-PFNA	472.2 > 426.9	1.96e4	1.96e4	0.117	1.000	4.90	4.92	12.5	106.8741	100.0		
26	62 13C3-PFHxS	401.8 > 79.9	3.22e3	3.22e3	0.117	1.000	4.11	4.14	12.5	106.8741	100.0		
27	65 13C4-PFOS	503 > 79.9	2.77e3	2.77e3	0.117	1.000	4.98	5.01	12.5	106.8741	100.0		

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Last Altered: Wednesday, November 28, 2018 10:22:52 Pacific Standard Time

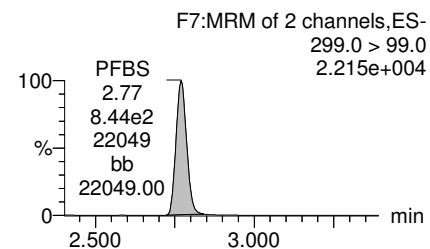
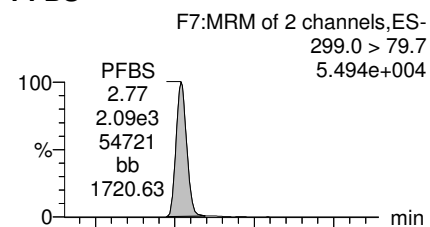
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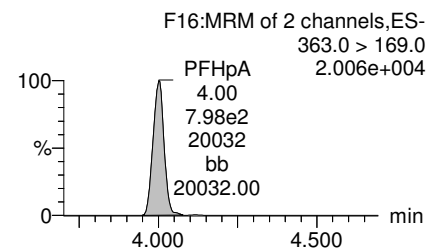
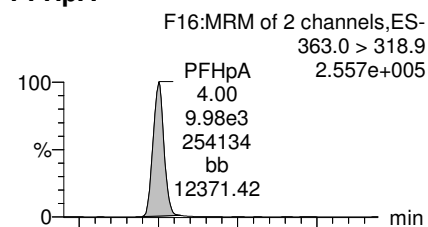
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Name: 181127M1_13, Date: 27-Nov-2018, Time: 15:33:53, ID: B8K0162-MS1 Matrix Spike 0.11696, Description: Matrix Spike

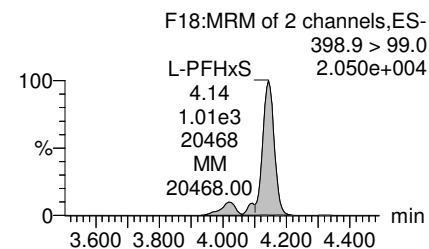
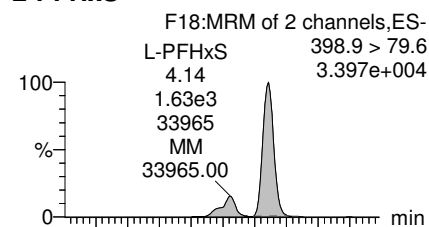
PFBS



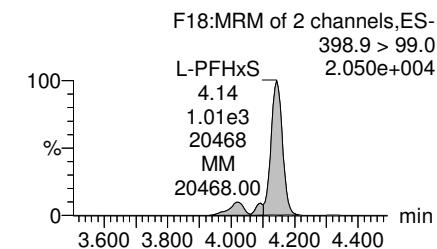
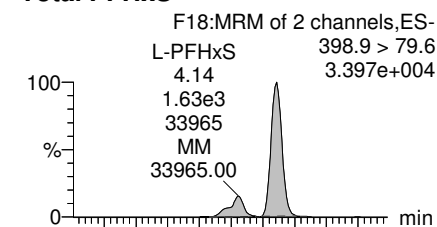
PFHpA



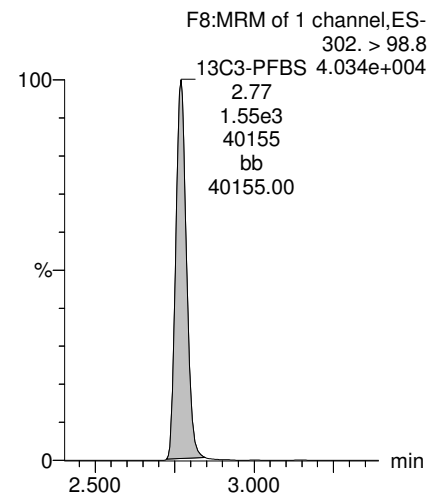
L-PFHxS



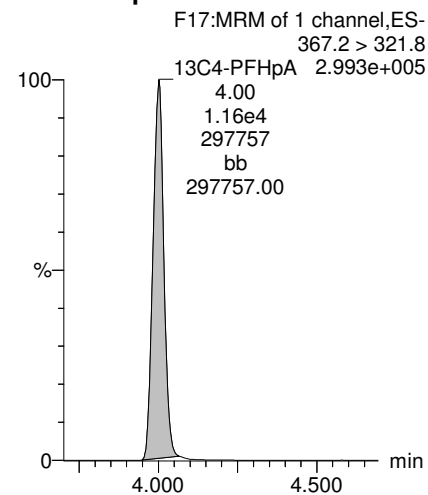
Total PFHxS



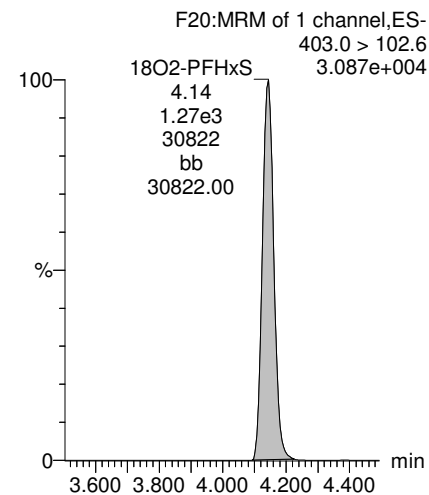
13C3-PFBS



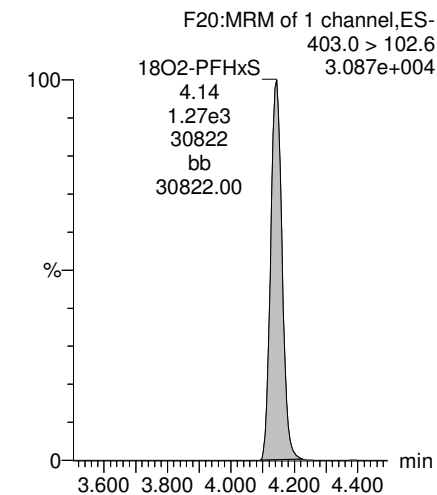
13C4-PFHpA



18O2-PFHxS



18O2-PFHxS



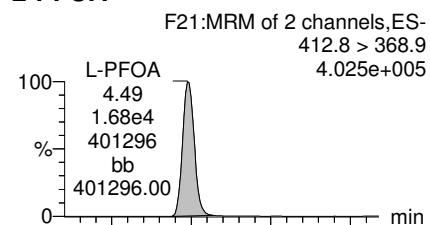
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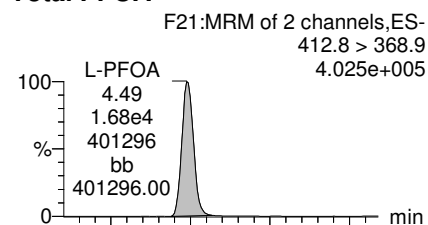
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Name: 181127M1_13, Date: 27-Nov-2018, Time: 15:33:53, ID: B8K0162-MS1 Matrix Spike 0.11696, Description: Matrix Spike

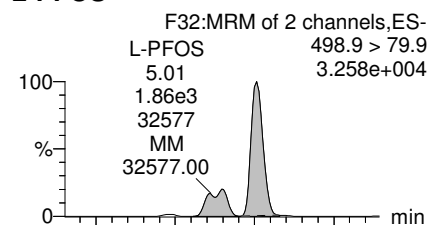
L-PFOA



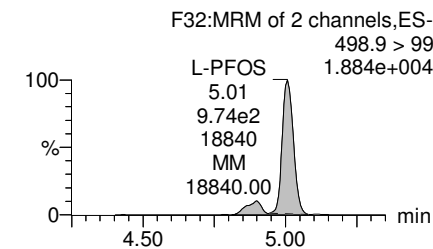
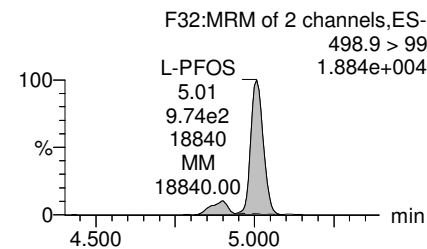
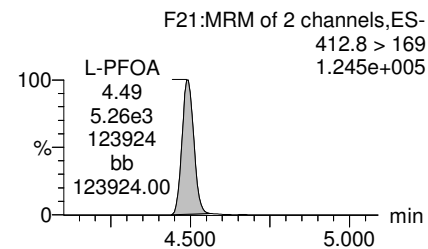
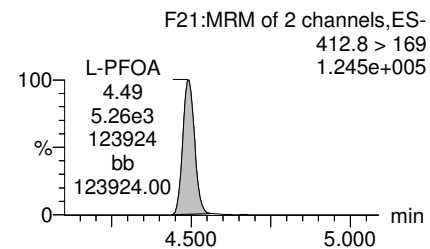
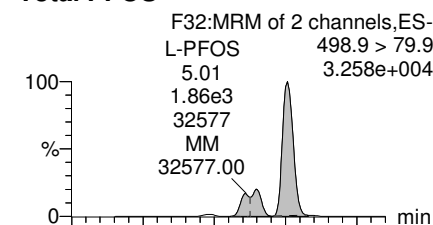
Total PFOA



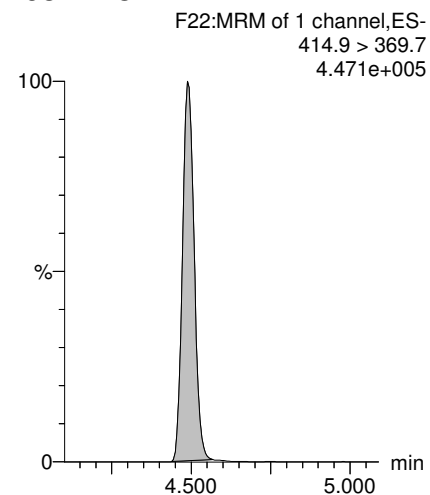
L-PFOS



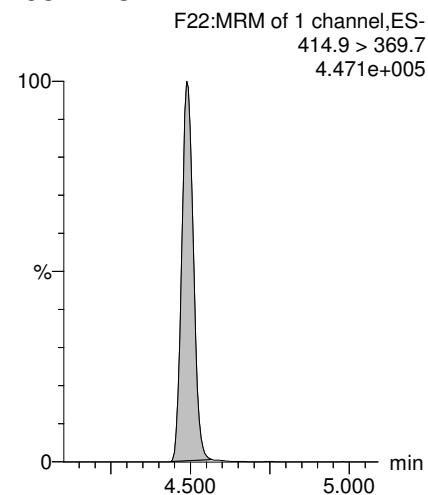
Total PFOS



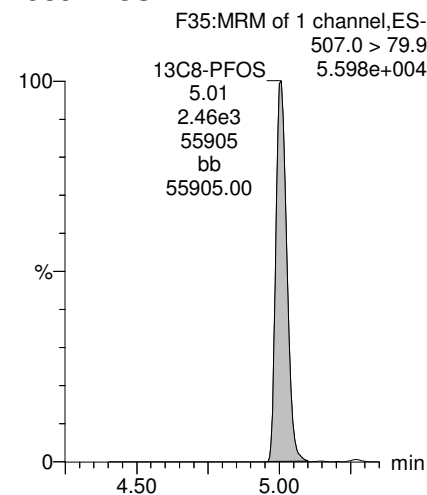
13C2-PFOA



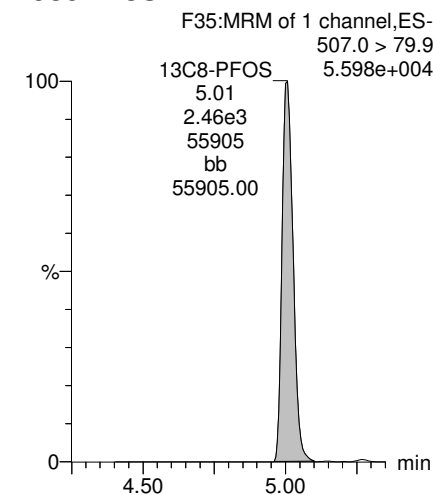
13C2-PFOA



13C8-PFOS



13C8-PFOS



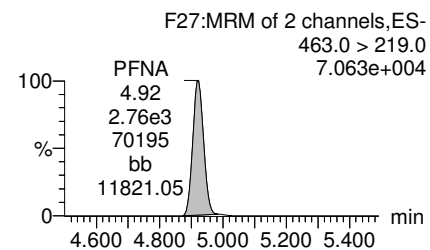
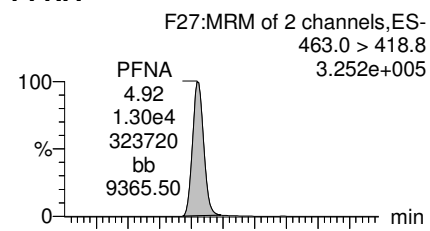
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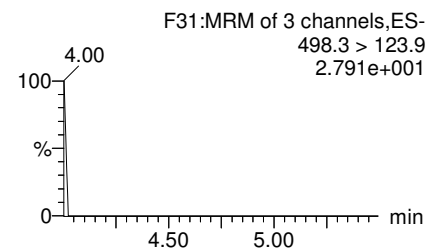
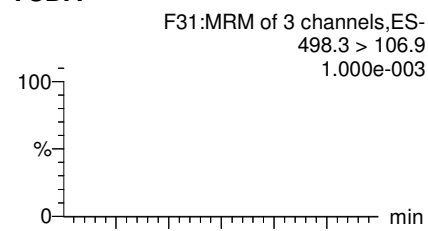
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Name: 181127M1_13, Date: 27-Nov-2018, Time: 15:33:53, ID: B8K0162-MS1 Matrix Spike 0.11696, Description: Matrix Spike

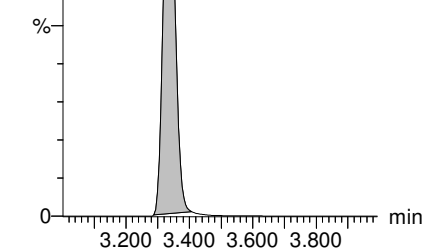
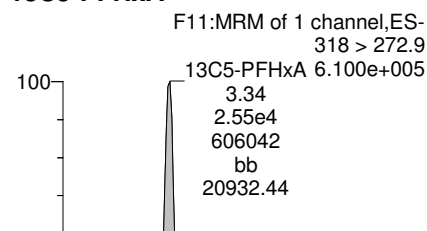
PFNA



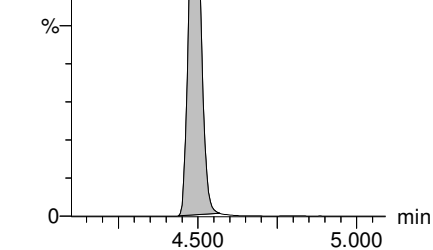
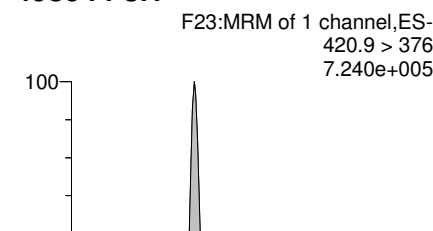
TCDA



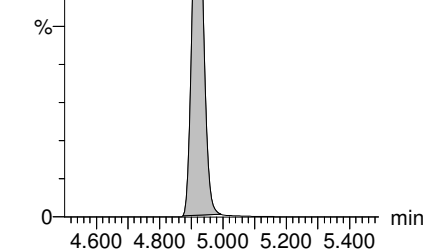
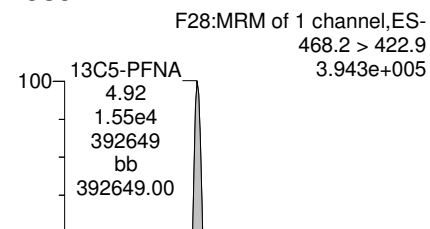
13C5-PFHxA



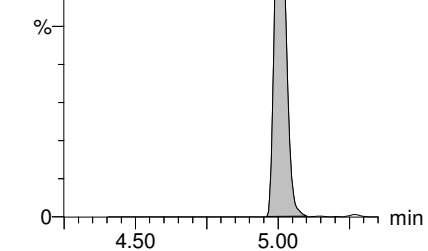
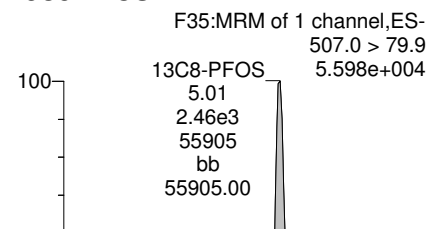
13C8-PFOA



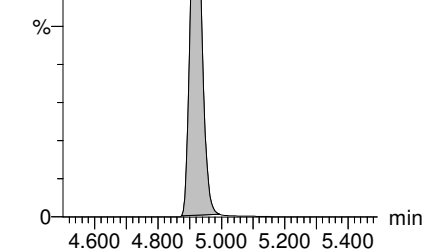
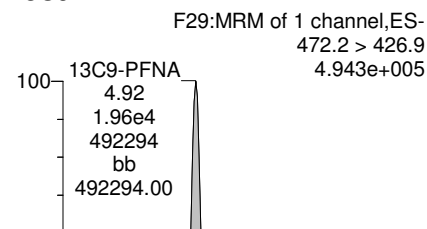
13C5-PFNA



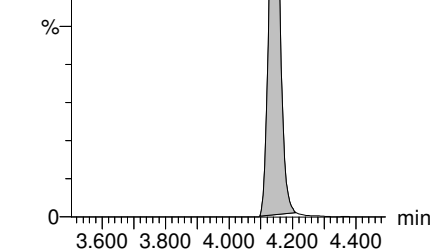
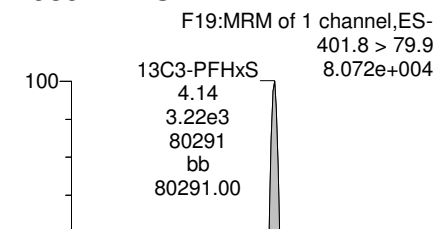
13C8-PFOS



13C9-PFNA



13C3-PFHxS



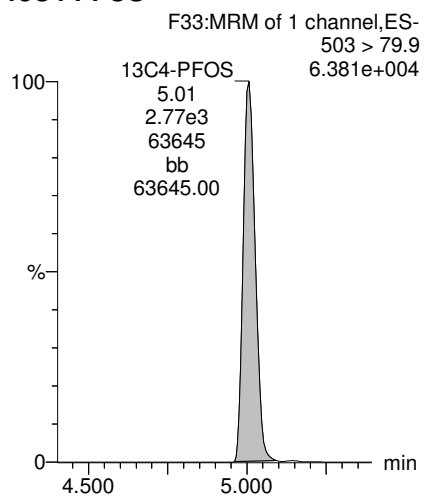
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Printed: Wednesday, November 28, 2018 10:23:53 Pacific Standard Time

Name: 181127M1_13, Date: 27-Nov-2018, Time: 15:33:53, ID: B8K0162-MS1 Matrix Spike 0.11696, Description: Matrix Spike

13C4-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\181127M1\181127M1-14.qld

Last Altered: Wednesday, November 28, 2018 10:29:08 Pacific Standard Time

Printed: Wednesday, November 28, 2018 10:29:31 Pacific Standard Time

Name: 181127M1_14, Date: 27-Nov-2018, Time: 15:44:27, ID: B8K0162-MSD1 Matrix Spike Dup 0.11463, Description: Matrix Spike Dup

	# Name	Trace	Area	IS Area	wt/vol	RRF Mean	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3 PFBS	299.0 > 79.7	2.24e3	1.82e3	0.115		2.77	2.77	15.4	65.2340		2.566	NO
2	7 PFHpA	363.0 > 318.9	1.08e4	1.25e4	0.115		4.00	4.00	10.7	71.0457		12.001	NO
3	8 L-PFHxS	398.9 > 79.6	1.74e3	1.36e3	0.115		4.14	4.14	16.1	72.0012		1.659	NO
4	68 Total PFHxS	398.9 > 79.6	1.74e3	1.36e3	0.115		4.28		16.1	72.0012			
5	38 13C3-PFBS	302. > 98.8	1.82e3	3.61e3	0.115	0.537	2.72	2.77	6.29	102.2506	93.8		
6	41 13C4-PFHpA	367.2 > 321.8	1.25e4	2.84e4	0.115	0.537	3.97	4.00	5.53	89.8627	82.4		
7	42 18O2-PFHxS	403.0 > 102.6	1.36e3	3.61e3	0.115	0.448	4.11	4.14	4.70	91.5380	83.9		
8	42 18O2-PFHxS	403.0 > 102.6	1.36e3	3.61e3	0.115	0.448	4.11	4.14	4.70	91.5380	83.9		
9	-1												
10	11 L-PFOA	412.8 > 368.9	1.99e4	2.09e4	0.115		4.47	4.49	11.9	75.6621		3.390	NO
11	69 Total PFOA	412.8 > 368.9	1.99e4	2.09e4	0.115		4.62		11.9	75.6621			
12	16 L-PFOS	498.9 > 79.9	2.01e3	2.83e3	0.115		5.02	5.01	8.88	70.3481		2.040	NO
13	70 Total PFOS	498.9 > 79.9	2.01e3	2.83e3	0.115		5.13		8.88	70.3481			
14	44 13C2-PFOA	414.9 > 369.7	2.09e4	3.23e4	0.115	0.755	4.46	4.49	8.08	93.3752	85.6		
15	44 13C2-PFOA	414.9 > 369.7	2.09e4	3.23e4	0.115	0.755	4.46	4.49	8.08	93.3752	85.6		
16	47 13C8-PFOS	507.0 > 79.9	2.83e3	3.04e3	0.115	1.042	4.98	5.01	11.6	97.3474	89.3		
17	47 13C8-PFOS	507.0 > 79.9	2.83e3	3.04e3	0.115	1.042	4.98	5.01	11.6	97.3474	89.3		
18	-1												
19	14 PFNA	463.0 > 418.8	1.28e4	1.63e4	0.115		4.90	4.92	9.84	68.4098		4.632	NO
20	73 TCDA	498.3>106.9			0.115		5.15						
21	61 13C5-PFHxA	318 > 272.9	2.84e4	2.84e4	0.115	1.000	3.30	3.34	12.5	109.0465	100.0		
22	63 13C8-PFOA	420.9 > 376	3.23e4	3.23e4	0.115	1.000	4.46	4.49	12.5	109.0465	100.0		
23	45 13C5-PFNA	468.2 > 422.9	1.63e4	2.04e4	0.115	0.991	4.90	4.92	9.98	87.8883	80.6		
24	47 13C8-PFOS	507.0 > 79.9	2.83e3	3.04e3	0.115	1.042	4.98	5.01	11.6	97.3474	89.3		
25	64 13C9-PFNA	472.2 > 426.9	2.04e4	2.04e4	0.115	1.000	4.90	4.92	12.5	109.0465	100.0		
26	62 13C3-PFHxS	401.8 > 79.9	3.61e3	3.61e3	0.115	1.000	4.11	4.14	12.5	109.0465	100.0		
27	65 13C4-PFOS	503 > 79.9	3.04e3	3.04e3	0.115	1.000	4.98	5.01	12.5	109.0465	100.0		

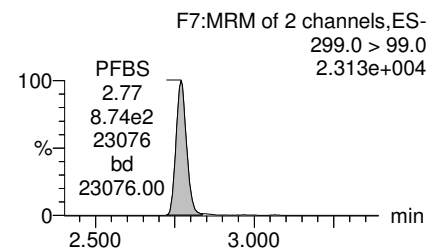
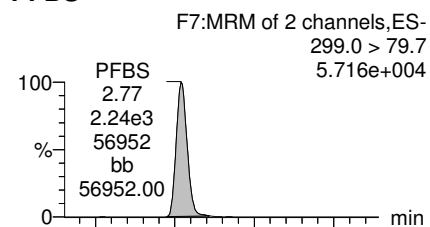
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Last Altered: Wednesday, November 28, 2018 10:29:08 Pacific Standard Time
Printed: Wednesday, November 28, 2018 10:29:31 Pacific Standard Time

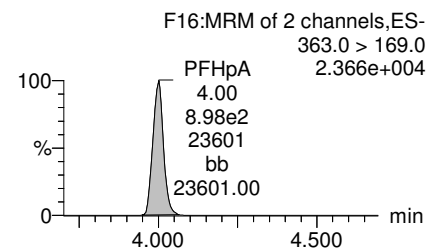
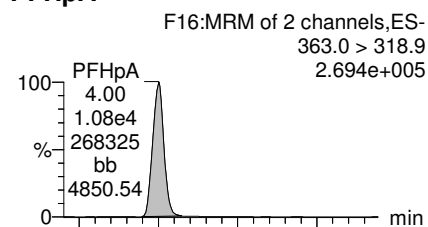
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Name: 181127M1_14, Date: 27-Nov-2018, Time: 15:44:27, ID: B8K0162-MSD1 Matrix Spike Dup 0.11463, Description: Matrix Spike Dup

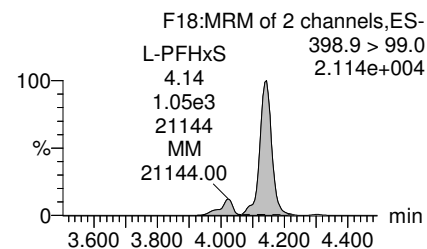
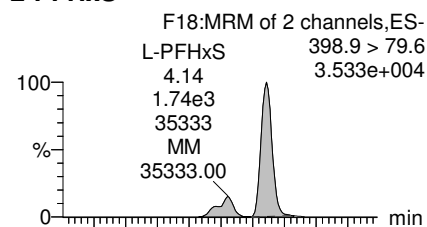
PFBS



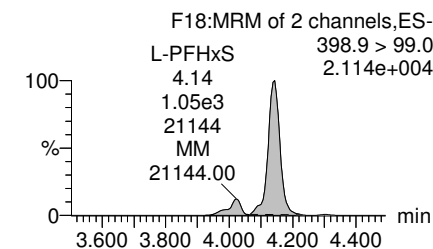
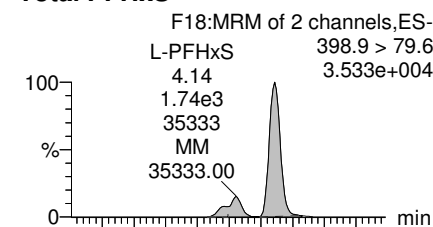
PFHpA



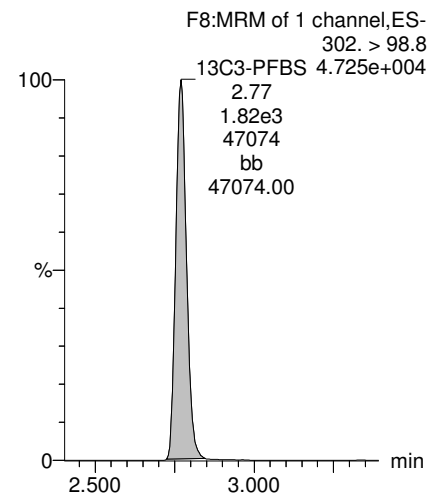
L-PFHxS



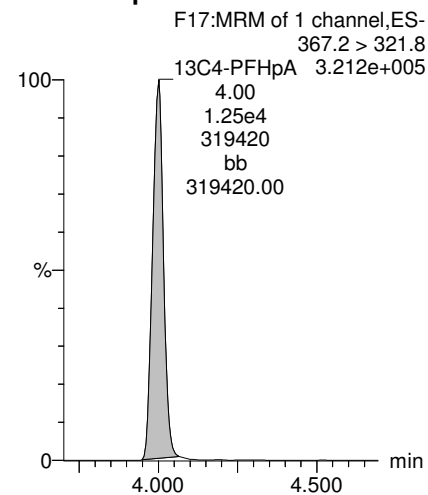
Total PFHxS



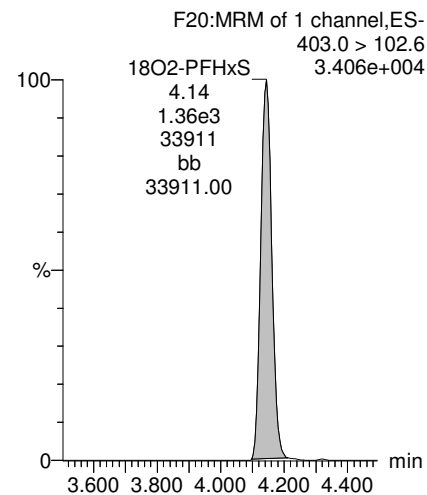
13C3-PFBS



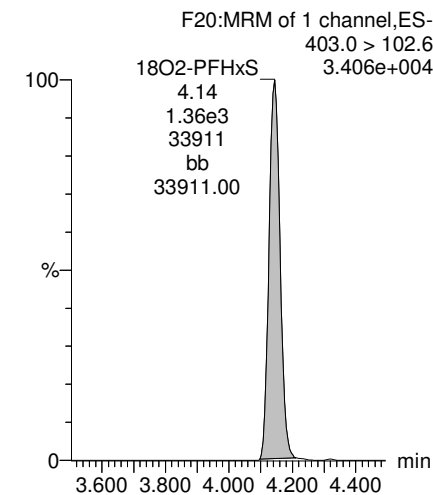
13C4-PFHpA



18O2-PFHxS



18O2-PFHxS

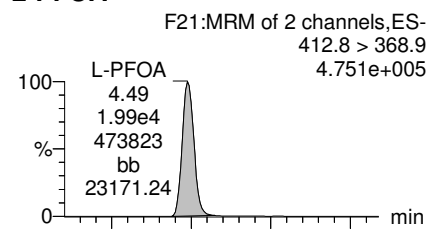


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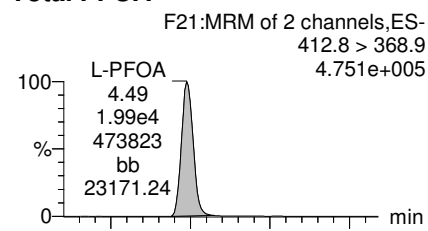
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Printed: Wednesday, November 28, 2018 10:29:31 Pacific Standard Time

Name: 181127M1_14, Date: 27-Nov-2018, Time: 15:44:27, ID: B8K0162-MSD1 Matrix Spike Dup 0.11463, Description: Matrix Spike Dup

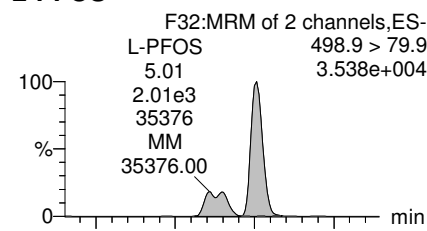
L-PFOA



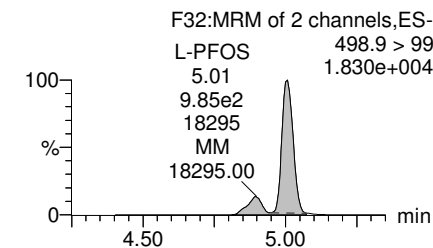
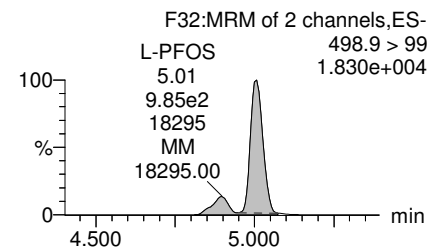
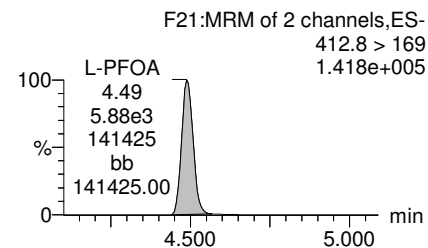
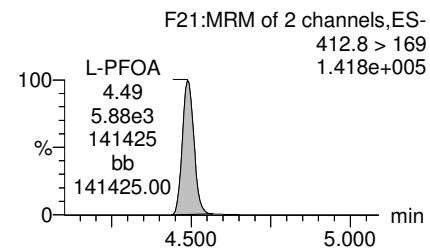
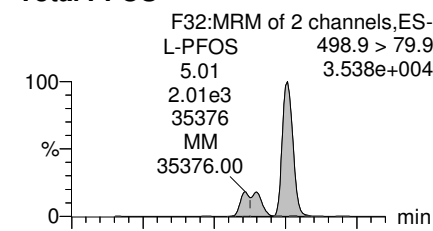
Total PFOA



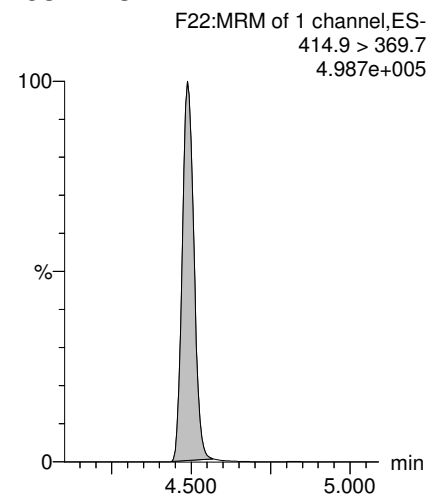
L-PFOS



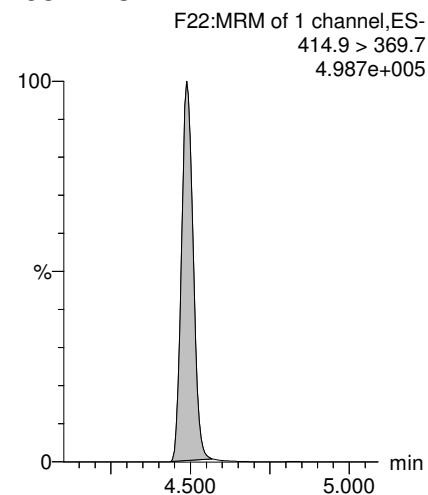
Total PFOS



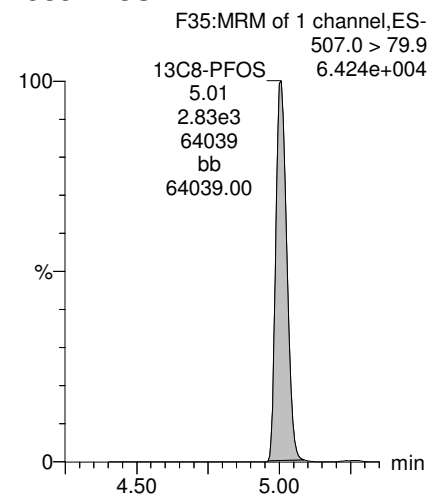
13C2-PFOA



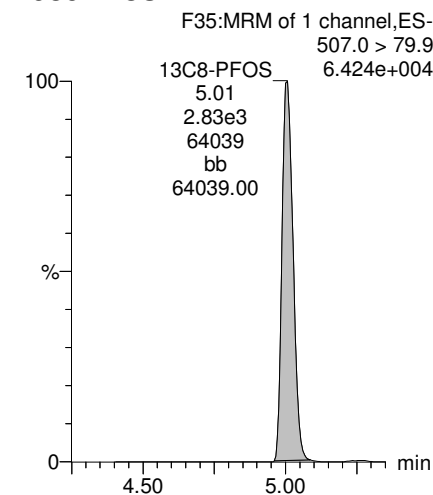
13C2-PFOA



13C8-PFOS



13C8-PFOS



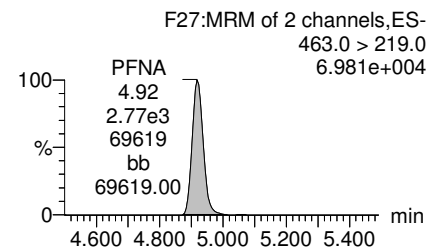
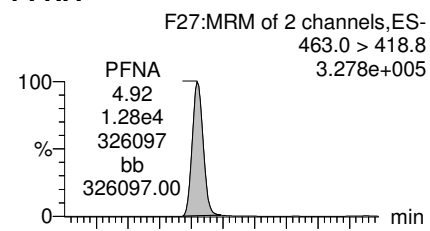
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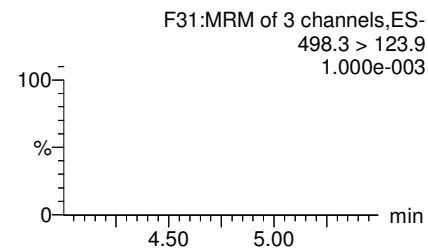
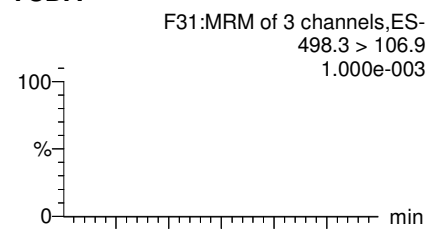
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Name: 181127M1_14, Date: 27-Nov-2018, Time: 15:44:27, ID: B8K0162-MSD1 Matrix Spike Dup 0.11463, Description: Matrix Spike Dup

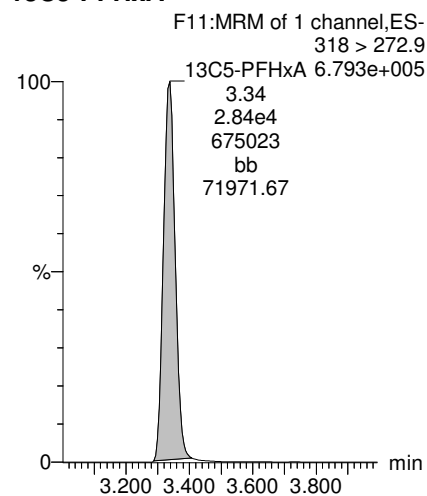
PFNA



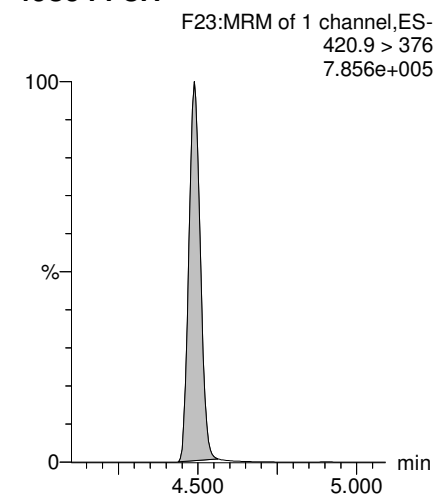
TCDA



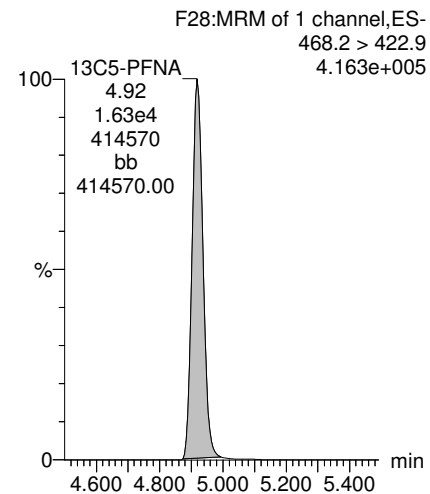
13C5-PFHxA



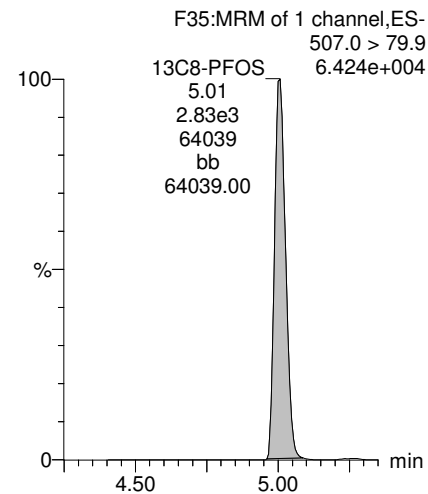
13C8-PFOA



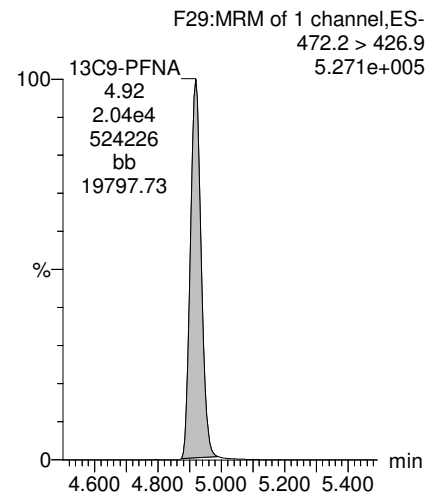
13C5-PFNA



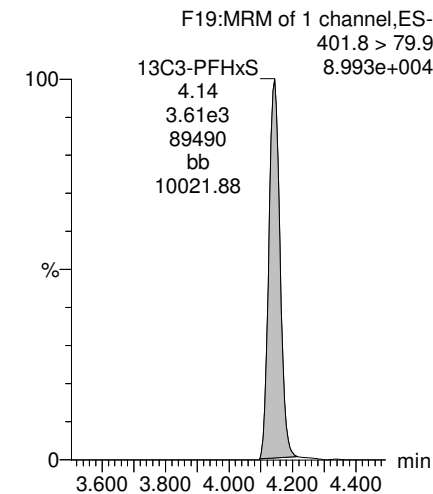
13C8-PFOS



13C9-PFNA



13C3-PFHxS



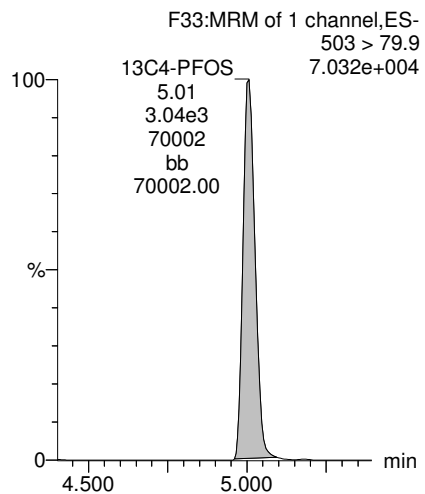
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Name: 181127M1_14, Date: 27-Nov-2018, Time: 15:44:27, ID: B8K0162-MSD1 Matrix Spike Dup 0.11463, Description: Matrix Spike Dup

13C4-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\181127M1\181127M1-18.qld

Last Altered: Wednesday, November 28, 2018 10:34:46 Pacific Standard Time

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Name: 181127M1_18, Date: 27-Nov-2018, Time: 16:26:49, ID: 1803677-02 OC-RW05P-1118 0.11752, Description: OC-RW05P-1118

	# Name	Trace	Area	IS Area	wt/vol	RRF Mean	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3 PFBS	299.0 > 79.7		1.64e3	0.118		2.77						
2	7 PFHpA	363.0 > 318.9		1.18e4	0.118		4.00						
3	8 L-PFHxS	398.9 > 79.6		1.27e3	0.118		4.15						
4	68 Total PFHxS	398.9 > 79.6	0.00e0	1.27e3	0.118		4.28		0.000				
5	38 13C3-PFBS	302. > 98.8	1.64e3	3.16e3	0.118	0.537	2.72	2.77	6.49	102.8458	96.7		
6	41 13C4-PFHpA	367.2 > 321.8	1.18e4	2.61e4	0.118	0.537	3.97	4.01	5.62	89.1472	83.8		
7	42 18O2-PFHxS	403.0 > 102.6	1.27e3	3.16e3	0.118	0.448	4.11	4.15	5.01	95.1734	89.5		
8	42 18O2-PFHxS	403.0 > 102.6	1.27e3	3.16e3	0.118	0.448	4.11	4.15	5.01	95.1734	89.5		
9	-1												
10	11 L-PFOA	412.8 > 368.9	5.18e1	2.00e4	0.118		4.47	4.49	0.0324			3.372	NO
11	69 Total PFOA	412.8 > 368.9	5.18e1	2.00e4	0.118		4.62		0.000				
12	16 L-PFOS	498.9 > 79.9		1.98e3	0.118		5.02						
13	70 Total PFOS	498.9 > 79.9	0.00e0	1.98e3	0.118		5.13		0.000				
14	44 13C2-PFOA	414.9 > 369.7	2.00e4	3.04e4	0.118	0.755	4.46	4.49	8.22	92.6099	87.1		
15	44 13C2-PFOA	414.9 > 369.7	2.00e4	3.04e4	0.118	0.755	4.46	4.49	8.22	92.6099	87.1		
16	47 13C8-PFOS	507.0 > 79.9	1.98e3	2.06e3	0.118	1.042	4.98	5.01	12.0	98.2797	92.4		
17	47 13C8-PFOS	507.0 > 79.9	1.98e3	2.06e3	0.118	1.042	4.98	5.01	12.0	98.2797	92.4		
18	-1												
19	14 PFNA	463.0 > 418.8		1.45e4	0.118		4.90						
20	73 TCDA	498.3>106.9			0.118		5.15						
21	61 13C5-PFHxA	318 > 272.9	2.61e4	2.61e4	0.118	1.000	3.30	3.34	12.5	106.3649	100.0		
22	63 13C8-PFOA	420.9 > 376	3.04e4	3.04e4	0.118	1.000	4.46	4.49	12.5	106.3649	100.0		
23	45 13C5-PFNA	468.2 > 422.9	1.45e4	1.84e4	0.118	0.991	4.90	4.92	9.87	84.7592	79.7		
24	47 13C8-PFOS	507.0 > 79.9	1.98e3	2.06e3	0.118	1.042	4.98	5.01	12.0	98.2797	92.4		
25	64 13C9-PFNA	472.2 > 426.9	1.84e4	1.84e4	0.118	1.000	4.90	4.92	12.5	106.3649	100.0		
26	62 13C3-PFHxS	401.8 > 79.9	3.16e3	3.16e3	0.118	1.000	4.11	4.15	12.5	106.3649	100.0		
27	65 13C4-PFOS	503 > 79.9	2.06e3	2.06e3	0.118	1.000	4.98	5.01	12.5	106.3649	100.0		

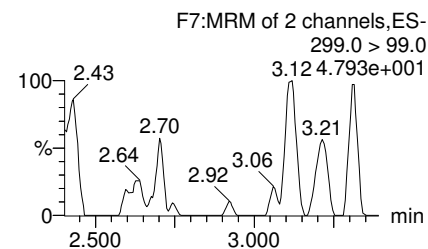
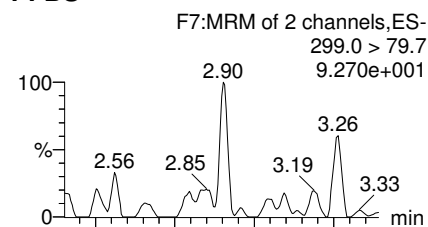
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Printed: Wednesday, November 28, 2018 10:35:16 Pacific Standard Time

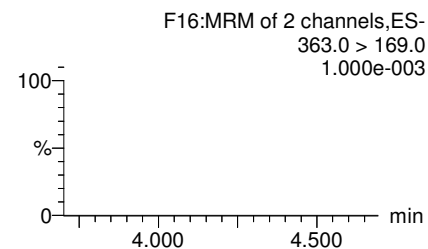
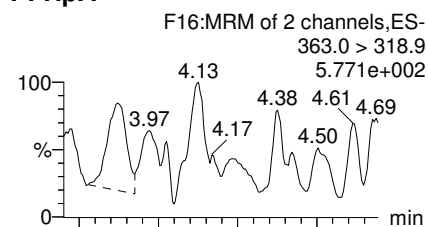
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Name: 181127M1_18, Date: 27-Nov-2018, Time: 16:26:49, ID: 1803677-02 OC-RW05P-1118 0.11752, Description: OC-RW05P-1118

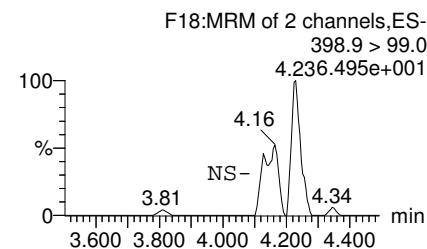
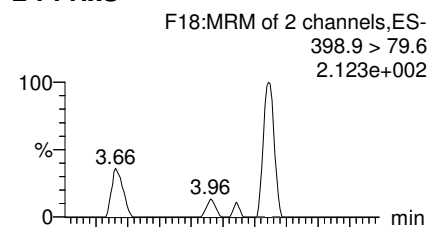
PFBS



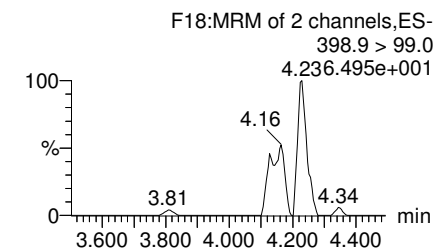
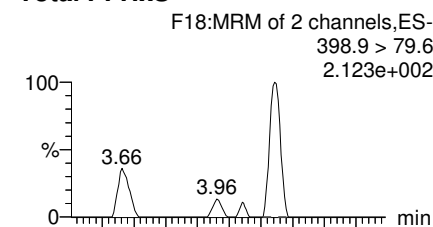
PFHpA



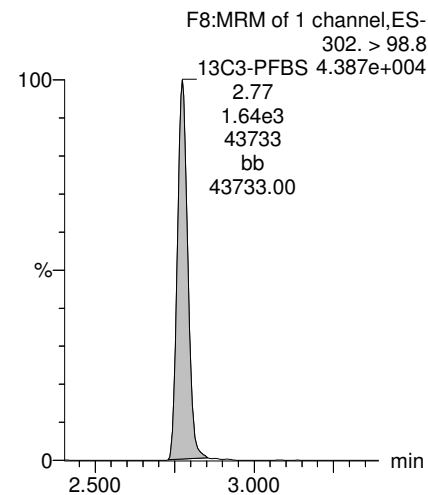
L-PFHxS



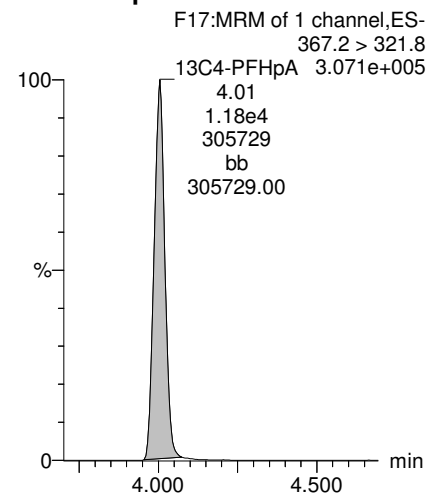
Total PFHxS



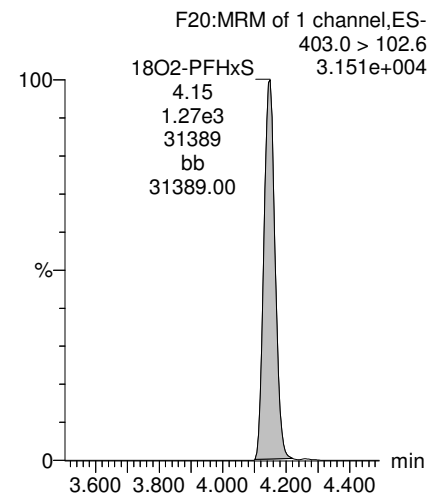
13C3-PFBS



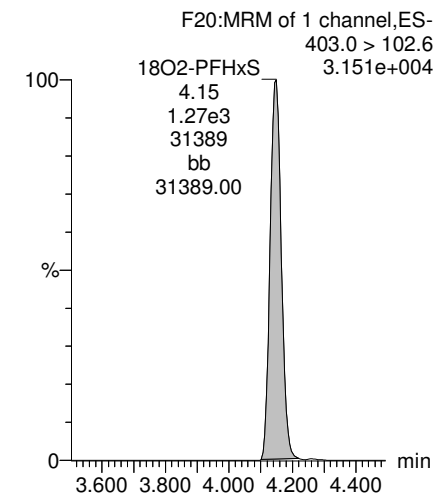
13C4-PFHpA



18O2-PFHxS



18O2-PFHxS



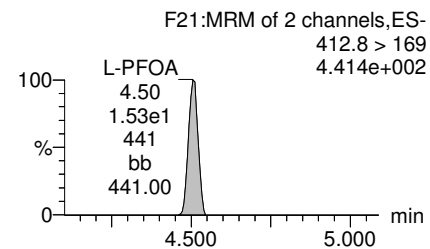
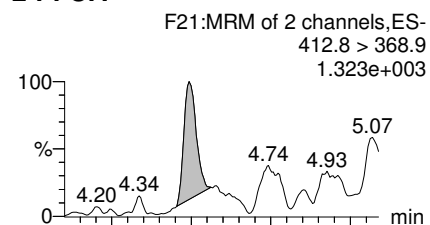
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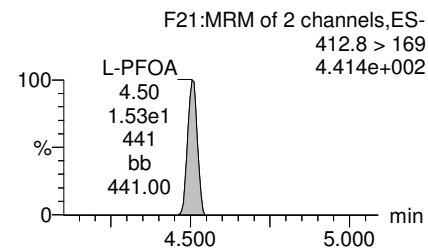
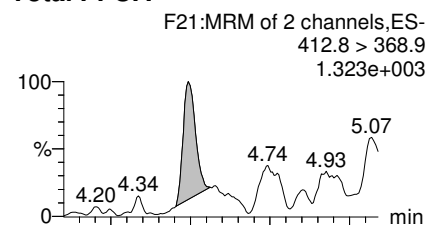
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Name: 181127M1_18, Date: 27-Nov-2018, Time: 16:26:49, ID: 1803677-02 OC-RW05P-1118 0.11752, Description: OC-RW05P-1118

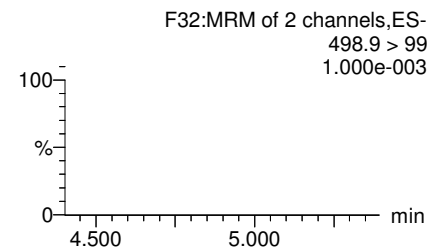
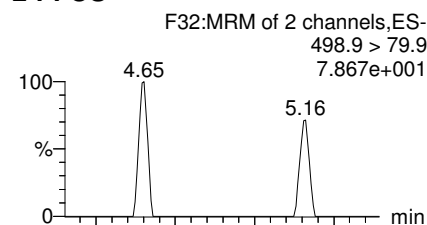
L-PFOA



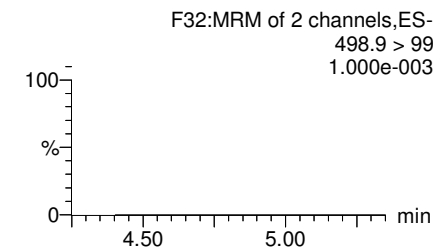
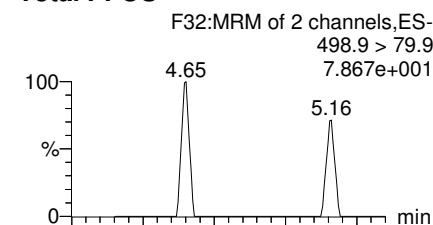
Total PFOA



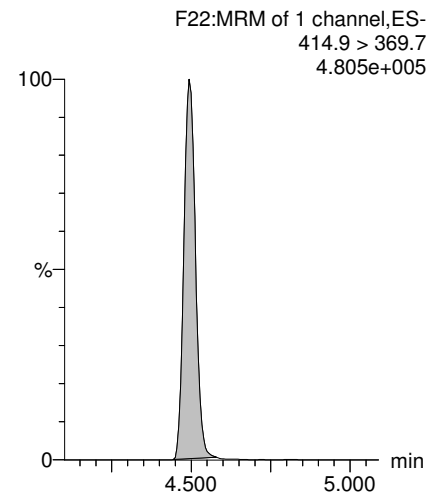
L-PFOS



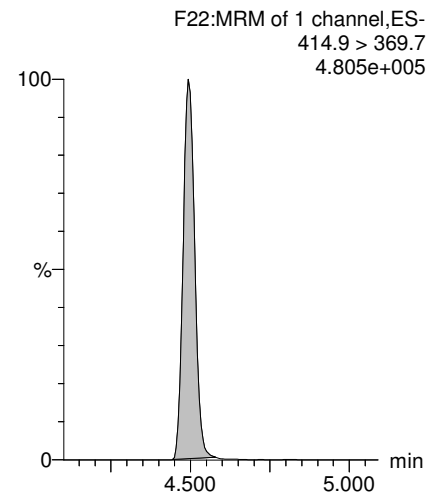
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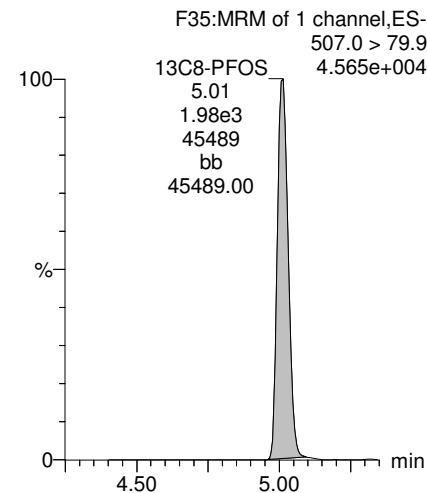
13C2-PFOA



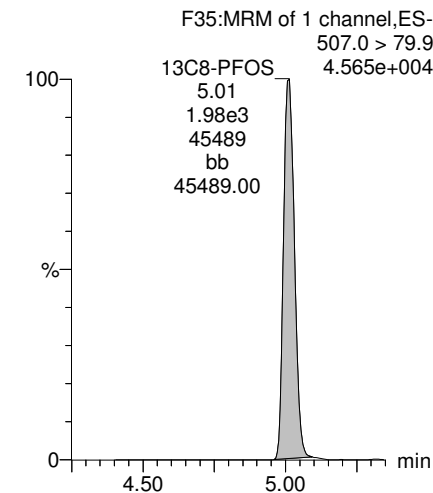
13C2-PFOA



13C8-PFOS



13C8-PFOS



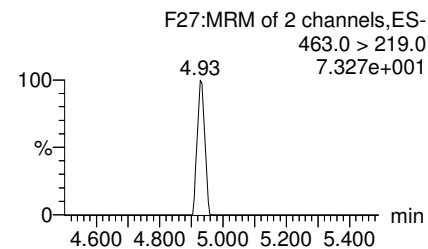
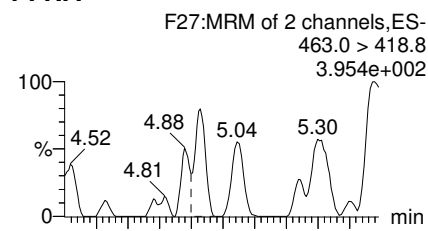
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Last Altered: Wednesday, November 28, 2018 10:34:46 Pacific Standard Time

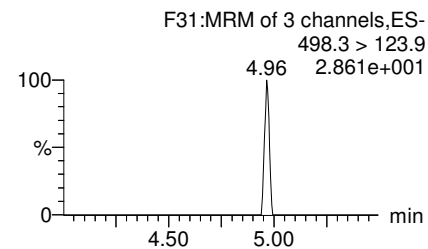
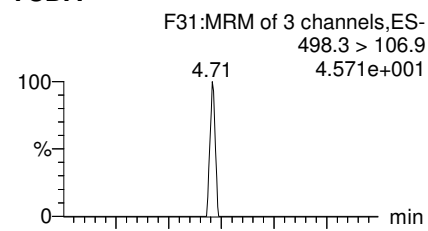
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Name: 181127M1_18, Date: 27-Nov-2018, Time: 16:26:49, ID: 1803677-02 OC-RW05P-1118 0.11752, Description: OC-RW05P-1118

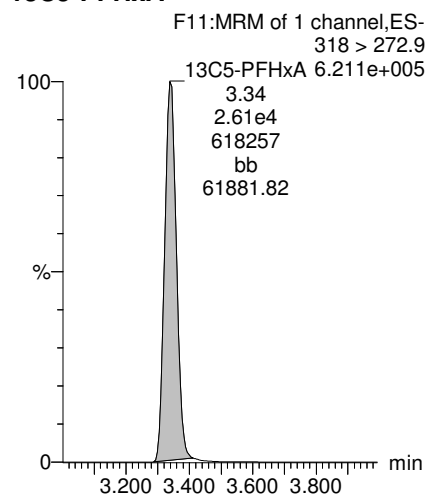
PFNA



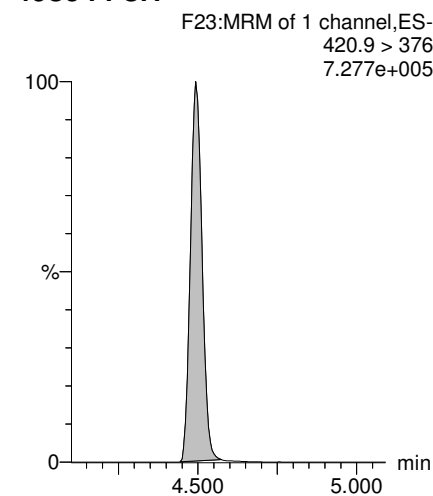
TCDA



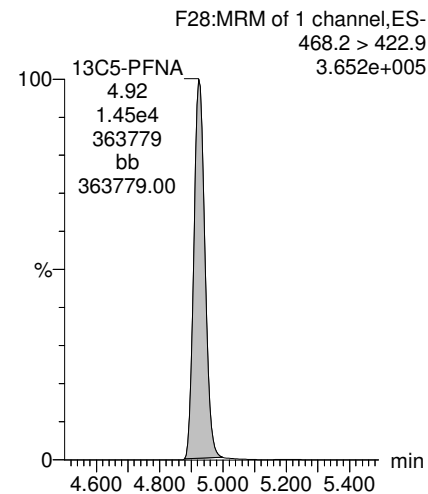
13C5-PFHxA



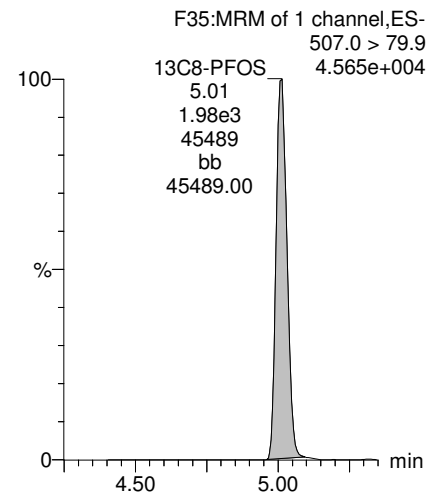
13C8-PFOA



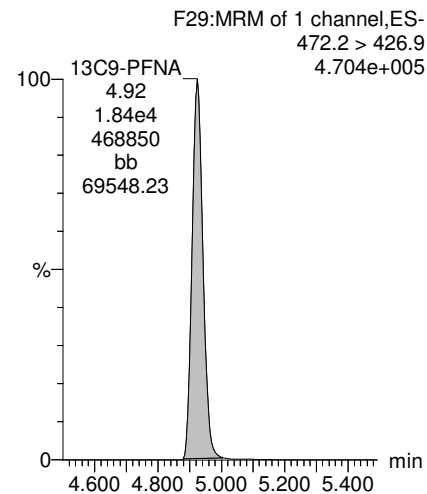
13C5-PFNA



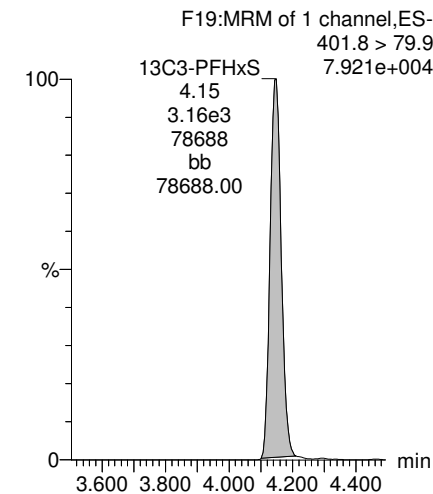
13C8-PFOS



13C9-PFNA



13C3-PFHxS



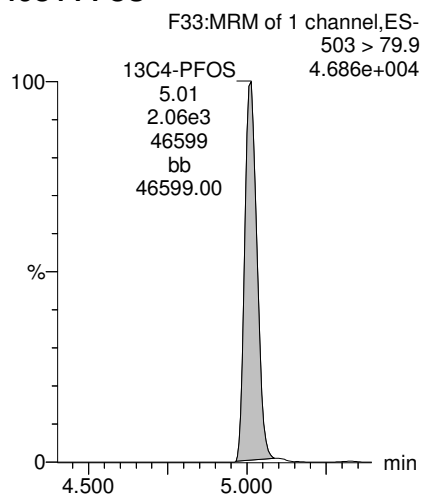
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Last Altered: Wednesday, November 28, 2018 10:34:46 Pacific Standard Time

Printed: Wednesday, November 28, 2018 10:35:16 Pacific Standard Time

Name: 181127M1_18, Date: 27-Nov-2018, Time: 16:26:49, ID: 1803677-02 OC-RW05P-1118 0.11752, Description: OC-RW05P-1118

13C4-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\181127M1\181127M1-19.qld

Last Altered: Wednesday, November 28, 2018 10:37:49 Pacific Standard Time

Printed: Wednesday, November 28, 2018 10:38:19 Pacific Standard Time

Name: 181127M1_19, Date: 27-Nov-2018, Time: 16:37:27, ID: 1803677-03 OC-FB05-1118 0.12187, Description: OC-FB05-1118

#	Name	Trace	Area	IS Area	wt/vol	RRF Mean	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3	PFBS	299.0 > 79.7		1.77e3	0.122	2.77						
2	7	PFHpA	363.0 > 318.9		1.24e4	0.122	4.01						
3	8	L-PFHxS	398.9 > 79.6	7.20e0	1.31e3	0.122	4.14	4.15	0.0688	0.2945		1.055	NO
4	68	Total PFHxS	398.9 > 79.6	7.20e0	1.31e3	0.122	4.28		0.0688	0.2945			
5	38	13C3-PFBS	302. > 98.8	1.77e3	3.33e3	0.122	0.537	2.72	2.77	6.66	101.7578	99.2	
6	41	13C4-PFHpA	367.2 > 321.8	1.24e4	2.86e4	0.122	0.537	3.97	4.01	5.43	83.0847	81.0	
7	42	18O2-PFHxS	403.0 > 102.6	1.31e3	3.33e3	0.122	0.448	4.11	4.14	4.92	90.1142	87.9	
8	42	18O2-PFHxS	403.0 > 102.6	1.31e3	3.33e3	0.122	0.448	4.11	4.14	4.92	90.1142	87.9	
9	-1												
10	11	L-PFOA	412.8 > 368.9	7.49e1	2.01e4	0.122	4.47	4.49	0.0465			3.197	NO
11	69	Total PFOA	412.8 > 368.9	7.49e1	2.01e4	0.122	4.62		0.000				
12	16	L-PFOS	498.9 > 79.9		2.30e3	0.122	5.02						
13	70	Total PFOS	498.9 > 79.9	0.00e0	2.30e3	0.122	5.13		0.000				
14	44	13C2-PFOA	414.9 > 369.7	2.01e4	3.10e4	0.122	0.755	4.46	4.49	8.11	88.1479	85.9	
15	44	13C2-PFOA	414.9 > 369.7	2.01e4	3.10e4	0.122	0.755	4.46	4.49	8.11	88.1479	85.9	
16	47	13C8-PFOS	507.0 > 79.9	2.30e3	2.48e3	0.122	1.042	4.98	5.01	11.6	91.2793	89.0	
17	47	13C8-PFOS	507.0 > 79.9	2.30e3	2.48e3	0.122	1.042	4.98	5.01	11.6	91.2793	89.0	
18	-1												
19	14	PFNA	463.0 > 418.8		1.58e4	0.122	4.90						
20	73	TCDA	498.3 > 106.9			0.122	5.15						
21	61	13C5-PFHxA	318 > 272.9	2.86e4	2.86e4	0.122	1.000	3.30	3.34	12.5	102.5683	100.0	
22	63	13C8-PFOA	420.9 > 376	3.10e4	3.10e4	0.122	1.000	4.46	4.49	12.5	102.5683	100.0	
23	45	13C5-PFNA	468.2 > 422.9	1.58e4	1.99e4	0.122	0.991	4.90	4.92	9.94	82.3017	80.2	
24	47	13C8-PFOS	507.0 > 79.9	2.30e3	2.48e3	0.122	1.042	4.98	5.01	11.6	91.2793	89.0	
25	64	13C9-PFNA	472.2 > 426.9	1.99e4	1.99e4	0.122	1.000	4.90	4.92	12.5	102.5683	100.0	
26	62	13C3-PFHxS	401.8 > 79.9	3.33e3	3.33e3	0.122	1.000	4.11	4.14	12.5	102.5683	100.0	
27	65	13C4-PFOS	503 > 79.9	2.48e3	2.48e3	0.122	1.000	4.98	5.01	12.5	102.5683	100.0	

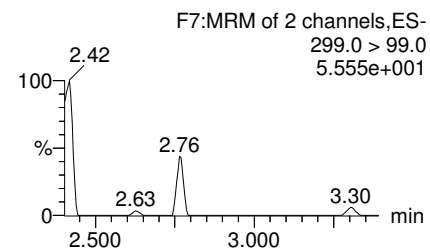
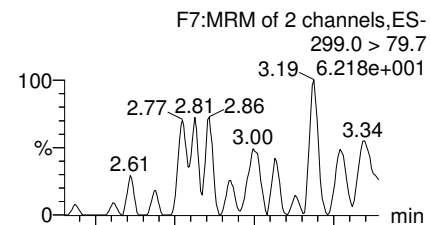
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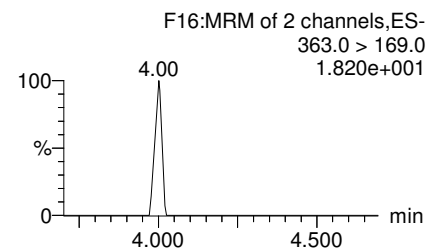
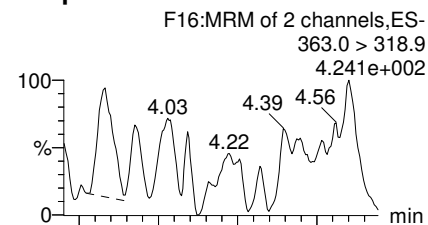
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Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Name: 181127M1_19, Date: 27-Nov-2018, Time: 16:37:27, ID: 1803677-03 OC-FB05-1118 0.12187, Description: OC-FB05-1118

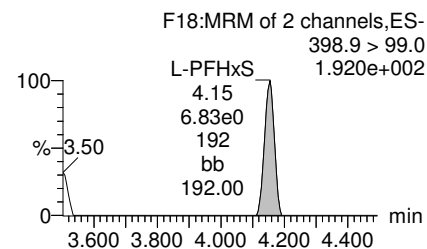
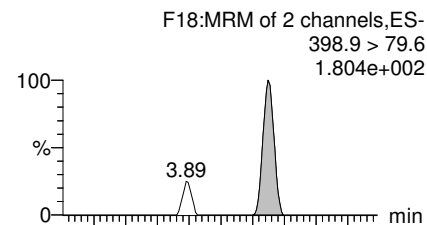
PFBS



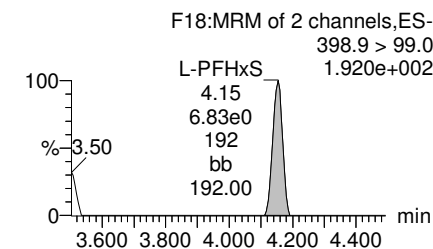
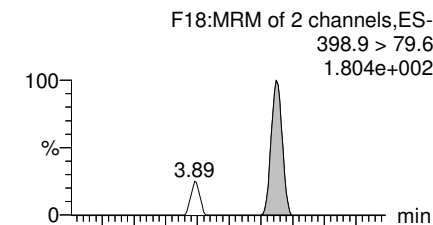
PFHpA



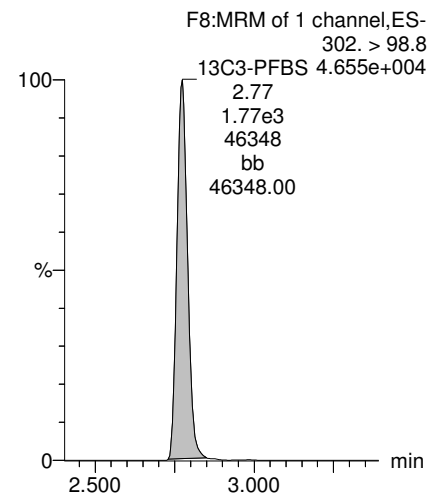
L-PFHxS



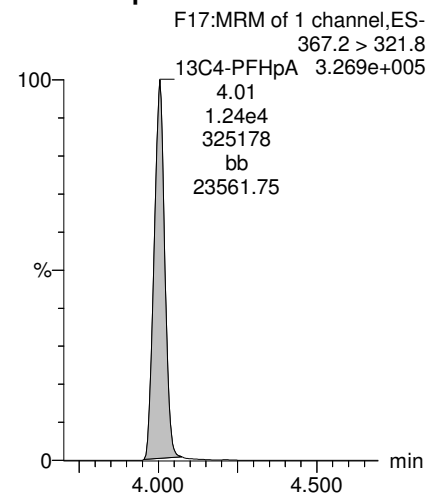
Total PFHxS



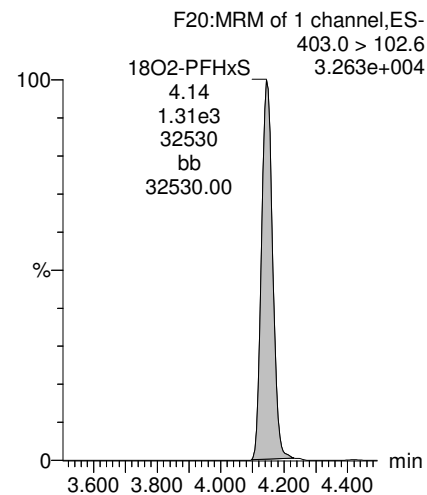
13C3-PFBS



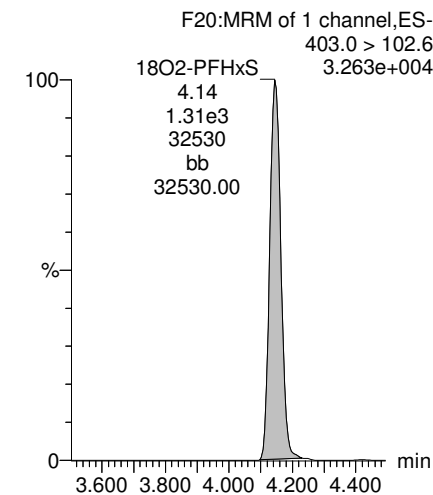
13C4-PFHpA



18O2-PFHxS



18O2-PFHxS

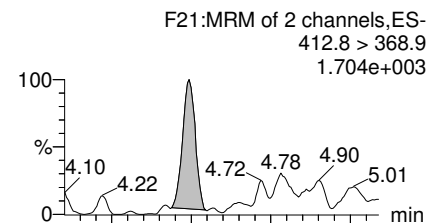


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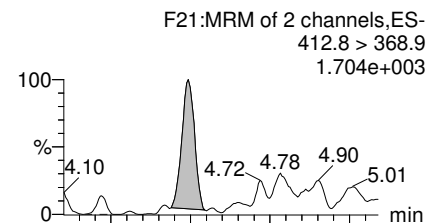
Last Altered: Wednesday, November 28, 2018 10:37:49 Pacific Standard Time
Printed: Wednesday, November 28, 2018 10:38:19 Pacific Standard Time

Name: 181127M1_19, Date: 27-Nov-2018, Time: 16:37:27, ID: 1803677-03 OC-FB05-1118 0.12187, Description: OC-FB05-1118

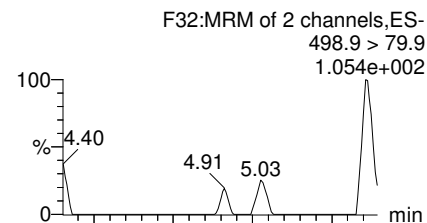
L-PFOA



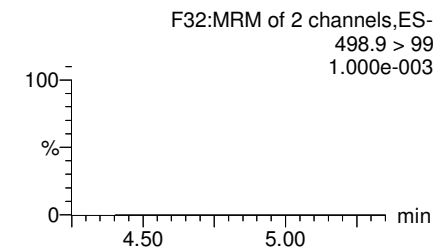
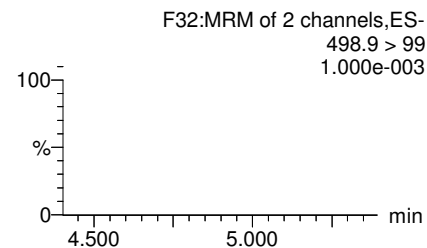
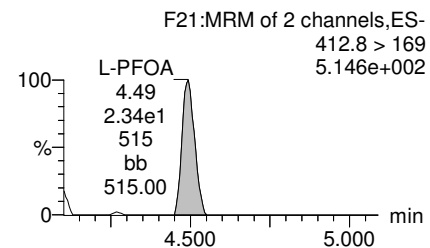
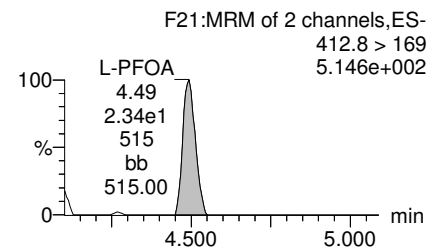
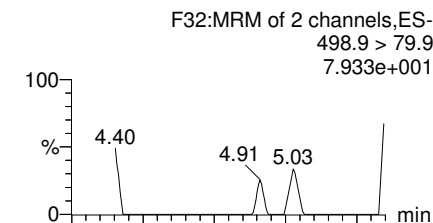
Total PFOA



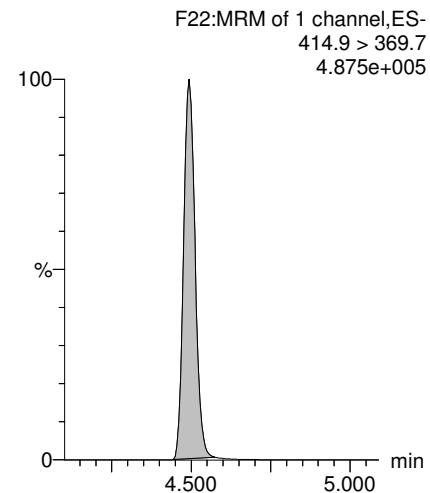
L-PFOS



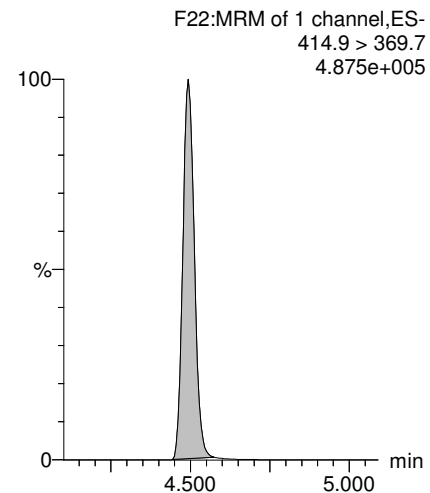
Total PFOS



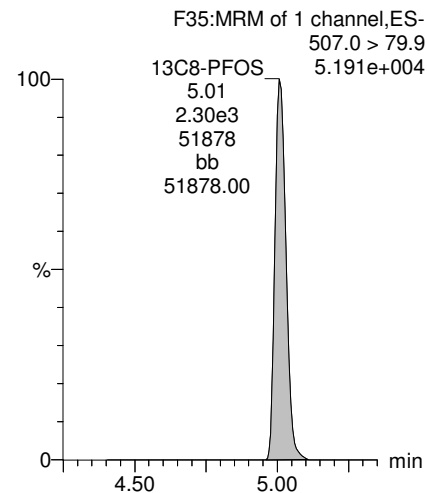
13C2-PFOA



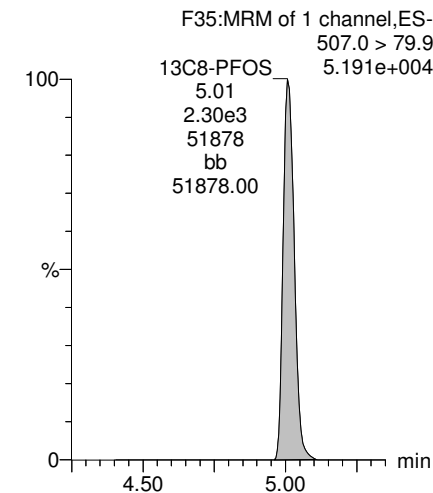
13C2-PFOA



13C8-PFOS



13C8-PFOS

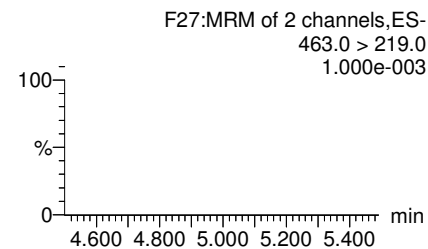
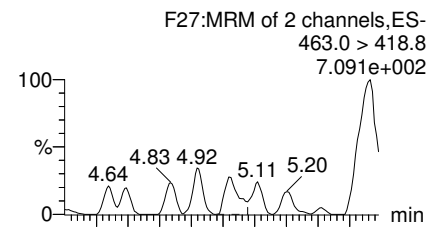


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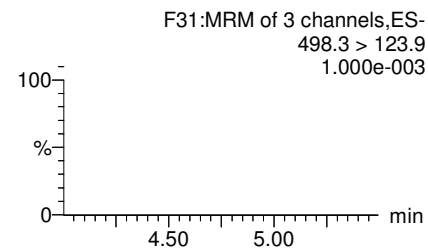
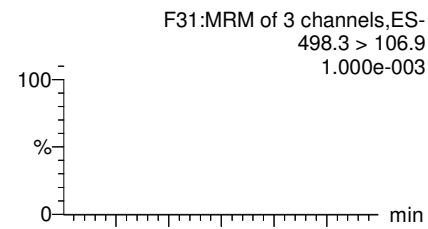
Last Altered: Wednesday, November 28, 2018 10:37:49 Pacific Standard Time
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Name: 181127M1_19, Date: 27-Nov-2018, Time: 16:37:27, ID: 1803677-03 OC-FB05-1118 0.12187, Description: OC-FB05-1118

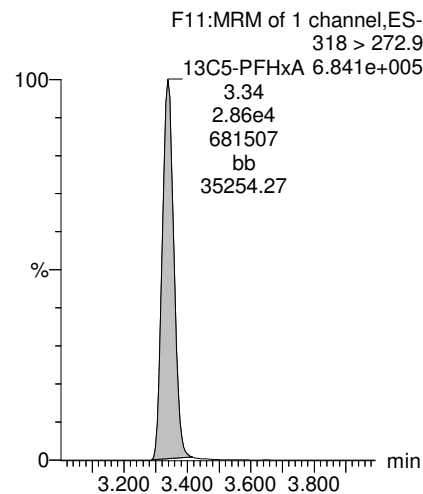
PFNA



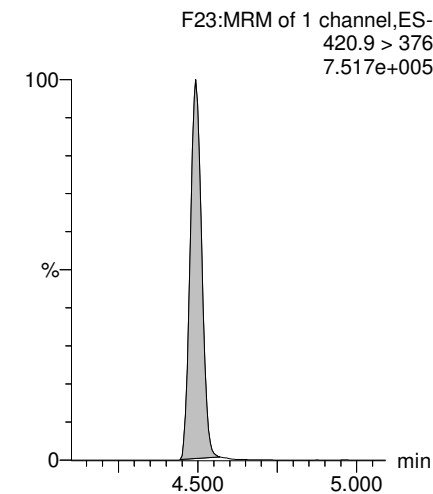
TCDA



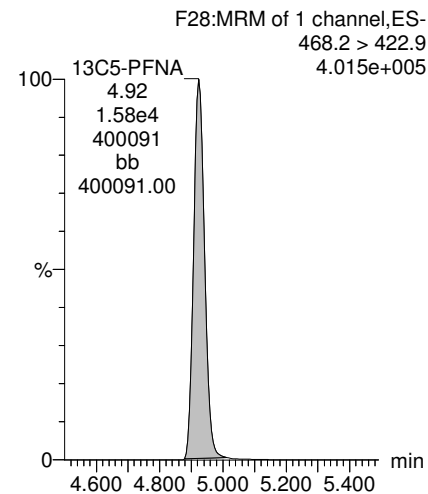
13C5-PFHxA



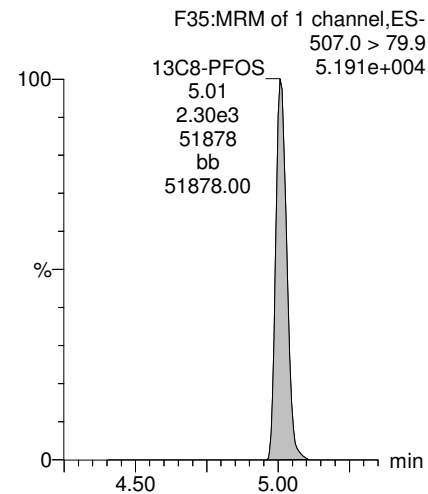
13C8-PFOA



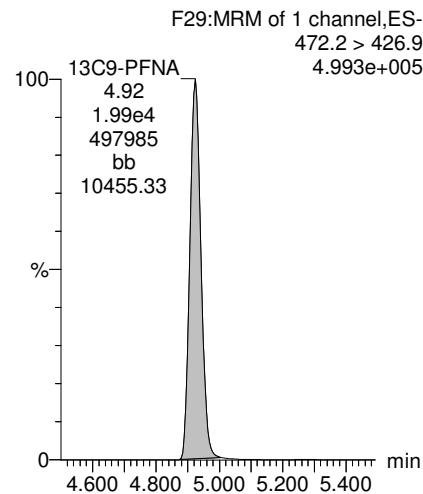
13C5-PFNA



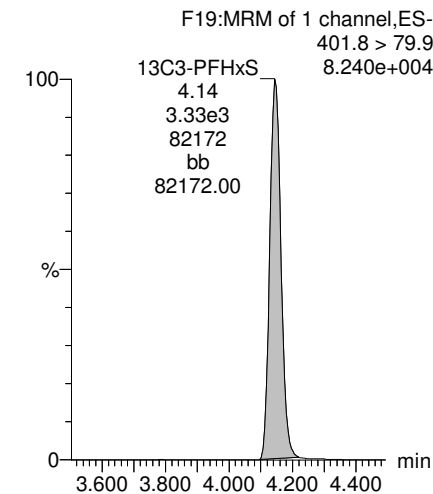
13C8-PFOS



13C9-PFNA



13C3-PFHxS



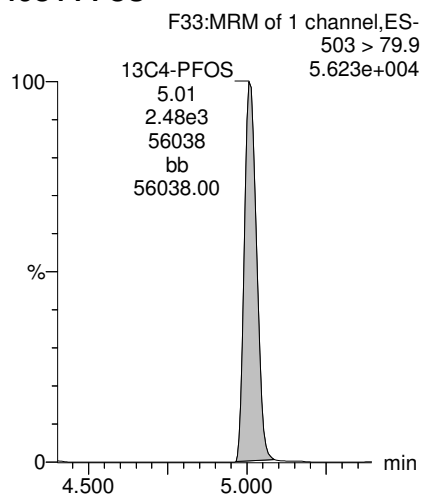
Dataset: Z:\Projects\PFAS.PRO\Results\181127M1\181127M1-19.qld

Last Altered: Wednesday, November 28, 2018 10:37:49 Pacific Standard Time

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Name: 181127M1_19, Date: 27-Nov-2018, Time: 16:37:27, ID: 1803677-03 OC-FB05-1118 0.12187, Description: OC-FB05-1118

13C4-PFOS



**INJECTION INTERNAL STANDARD (IIS) AREAS,
INSTRUMENT BLANKS (IB)
AND
CONTINUING CALIBRATION VERIFICATIONS (CCV)**

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-IIS AREA.qld

Last Altered: Wednesday, November 28, 2018 08:10:24 Pacific Standard Time

Printed: Wednesday, November 28, 2018 08:10:42 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_RS-11-14-18.mdb 28 Nov 2018 08:08:38

Calibration: 28 Nov 2018 08:08:10

Name: 181127M1_2, Date: 27-Nov-2018, Time: 12:22:15, ID: ST181127M1-1 PFC CS0 18K1903, Description: PFC CS0 18K1903

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181127M1-1 PFC CS0 18K1903	7.26e3	100.0	NO
2	2 13C5-PFHxA	ST181127M1-1 PFC CS0 18K1903	2.24e4	100.0	NO
3	3 13C3-PFHxS	ST181127M1-1 PFC CS0 18K1903	2.73e3	100.0	NO
4	4 13C8-PFOA	ST181127M1-1 PFC CS0 18K1903	2.68e4	100.0	NO
5	5 13C9-PFNA	ST181127M1-1 PFC CS0 18K1903	1.85e4	100.0	NO
6	6 13C4-PFOS	ST181127M1-1 PFC CS0 18K1903	2.94e3	100.0	NO
7	7 13C6-PFDA	ST181127M1-1 PFC CS0 18K1903	2.12e4	100.0	NO
8	8 13C7-PFUDa	ST181127M1-1 PFC CS0 18K1903	2.27e4	100.0	NO

Name: 181127M1_3, Date: 27-Nov-2018, Time: 12:32:54, ID: QC MEOH LOT JB072509, Description: QC MEOH LOT JB072509

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	QC MEOH LOT JB072509	5.63e1	0.8	YES
2	2 13C5-PFHxA	QC MEOH LOT JB072509			NO
3	3 13C3-PFHxS	QC MEOH LOT JB072509			NO
4	4 13C8-PFOA	QC MEOH LOT JB072509	1.08e1	0.0	YES
5	5 13C9-PFNA	QC MEOH LOT JB072509			NO
6	6 13C4-PFOS	QC MEOH LOT JB072509	2.82e1	1.0	YES
7	7 13C6-PFDA	QC MEOH LOT JB072509			NO
8	8 13C7-PFUDa	QC MEOH LOT JB072509			NO

Name: 181127M1_4, Date: 27-Nov-2018, Time: 12:43:32, 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: 181127M1_5, Date: 27-Nov-2018, Time: 12:54:05, ID: 1803659-01 A1-MW-07-SA2 0.11704, Description: A1-MW-07-SA2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803659-01 A1-MW-07-SA2 0.11704	5.41e3	74.5	NO
2	2 13C5-PFHxA	1803659-01 A1-MW-07-SA2 0.11704	1.02e4	45.6	YES
3	3 13C3-PFHxS	1803659-01 A1-MW-07-SA2 0.11704	1.74e3	63.9	NO
4	4 13C8-PFOA	1803659-01 A1-MW-07-SA2 0.11704	1.11e4	41.4	YES
5	5 13C9-PFNA	1803659-01 A1-MW-07-SA2 0.11704	7.15e3	38.6	YES
6	6 13C4-PFOS	1803659-01 A1-MW-07-SA2 0.11704	1.80e3	61.2	NO
7	7 13C6-PFDA	1803659-01 A1-MW-07-SA2 0.11704	7.84e3	37.0	YES
8	8 13C7-PFUDa	1803659-01 A1-MW-07-SA2 0.11704	9.15e3	40.3	YES

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-IIS AREA.qld

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Name: 181127M1_6, Date: 27-Nov-2018, Time: 13:04:43, ID: 1803659-02 A1-MW-23-SA2 0.1178, Description: A1-MW-23-SA2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803659-02 A1-MW-23-SA2 0.1178	7.35e3	101.3	NO
2	2 13C5-PFHxA	1803659-02 A1-MW-23-SA2 0.1178	1.41e4	63.1	NO
3	3 13C3-PFHxS	1803659-02 A1-MW-23-SA2 0.1178	2.38e3	87.3	NO
4	4 13C8-PFOA	1803659-02 A1-MW-23-SA2 0.1178	1.70e4	63.5	NO
5	5 13C9-PFNA	1803659-02 A1-MW-23-SA2 0.1178	1.10e4	59.5	NO
6	6 13C4-PFOS	1803659-02 A1-MW-23-SA2 0.1178	2.29e3	77.9	NO
7	7 13C6-PFDA	1803659-02 A1-MW-23-SA2 0.1178	1.18e4	55.7	NO
8	8 13C7-PFUDa	1803659-02 A1-MW-23-SA2 0.1178	1.51e4	66.6	NO

Name: 181127M1_7, Date: 27-Nov-2018, Time: 13:15:22, ID: 1803659-03 A1-MW-25-SA2 0.11426, Description: A1-MW-25-SA2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803659-03 A1-MW-25-SA2 0.11426	7.13e3	98.2	NO
2	2 13C5-PFHxA	1803659-03 A1-MW-25-SA2 0.11426	1.24e4	55.2	NO
3	3 13C3-PFHxS	1803659-03 A1-MW-25-SA2 0.11426	2.55e3	93.5	NO
4	4 13C8-PFOA	1803659-03 A1-MW-25-SA2 0.11426	1.30e4	48.6	YES
5	5 13C9-PFNA	1803659-03 A1-MW-25-SA2 0.11426	8.83e3	47.6	YES
6	6 13C4-PFOS	1803659-03 A1-MW-25-SA2 0.11426	2.68e3	91.1	NO
7	7 13C6-PFDA	1803659-03 A1-MW-25-SA2 0.11426	1.05e4	49.6	YES
8	8 13C7-PFUDa	1803659-03 A1-MW-25-SA2 0.11426	1.42e4	62.4	NO

Name: 181127M1_8, Date: 27-Nov-2018, Time: 13:25:54, 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: 181127M1_9, Date: 27-Nov-2018, Time: 13:36:33, ID: ST181127M1-2 PFC CS3 18K1906, Description: PFC CS3 18K1906

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181127M1-2 PFC CS3 18K1906	7.53e3	103.8	NO
2	2 13C5-PFHxA	ST181127M1-2 PFC CS3 18K1906	2.65e4	118.4	NO
3	3 13C3-PFHxS	ST181127M1-2 PFC CS3 18K1906	3.19e3	117.0	NO
4	4 13C8-PFOA	ST181127M1-2 PFC CS3 18K1906	3.02e4	112.7	NO
5	5 13C9-PFNA	ST181127M1-2 PFC CS3 18K1906	2.10e4	113.4	NO
6	6 13C4-PFOS	ST181127M1-2 PFC CS3 18K1906	3.20e3	108.8	NO
7	7 13C6-PFDA	ST181127M1-2 PFC CS3 18K1906	2.35e4	111.0	NO
8	8 13C7-PFUDa	ST181127M1-2 PFC CS3 18K1906	2.75e4	120.9	NO

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-IIS AREA.qld

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Name: 181127M1_10, Date: 27-Nov-2018, Time: 13:47:11, ID: IPA, Description: IPA

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

Name: 181127M1_11, Date: 27-Nov-2018, Time: 15:12:40, ID: 1803553-04 BS1810291445GC 3.51, Description: BS1810291445GC

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803553-04 BS1810291445GC 3.51	1.37e4	189.0	YES
2	2 13C5-PFHxA	1803553-04 BS1810291445GC 3.51	2.61e4	116.4	NO
3	3 13C3-PFHxS	1803553-04 BS1810291445GC 3.51	3.87e3	141.6	NO
4	4 13C8-PFOA	1803553-04 BS1810291445GC 3.51	3.19e4	119.0	NO
5	5 13C9-PFNA	1803553-04 BS1810291445GC 3.51	2.10e4	113.3	NO
6	6 13C4-PFOS	1803553-04 BS1810291445GC 3.51	6.68e3	227.5	YES
7	7 13C6-PFDA	1803553-04 BS1810291445GC 3.51	2.17e4	102.6	NO
8	8 13C7-PFUdA	1803553-04 BS1810291445GC 3.51	1.83e4	80.4	NO

Name: 181127M1_12, Date: 27-Nov-2018, Time: 15:23:15, 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: 181127M1_13, Date: 27-Nov-2018, Time: 15:33:53, ID: B8K0162-MS1 Matrix Spike 0.11696, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0162-MS1 Matrix Spike 0.11696	1.39e4	191.0	YES
2	2 13C5-PFHxA	B8K0162-MS1 Matrix Spike 0.11696	2.55e4	114.0	NO
3	3 13C3-PFHxS	B8K0162-MS1 Matrix Spike 0.11696	3.22e3	118.1	NO
4	4 13C8-PFOA	B8K0162-MS1 Matrix Spike 0.11696	3.04e4	113.3	NO
5	5 13C9-PFNA	B8K0162-MS1 Matrix Spike 0.11696	1.96e4	105.9	NO
6	6 13C4-PFOS	B8K0162-MS1 Matrix Spike 0.11696	2.77e3	94.4	NO
7	7 13C6-PFDA	B8K0162-MS1 Matrix Spike 0.11696	1.65e4	77.7	NO
8	8 13C7-PFUdA	B8K0162-MS1 Matrix Spike 0.11696	9.80e3	43.1	YES

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-IIS AREA.qld

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Name: 181127M1_14, Date: 27-Nov-2018, Time: 15:44:27, ID: B8K0162-MSD1 Matrix Spike Dup 0.11463, Description: Matrix Spike Dup

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0162-MSD1 Matrix Spike Dup 0.114...	1.54e4	211.7	YES
2	2 13C5-PFHxA	B8K0162-MSD1 Matrix Spike Dup 0.114...	2.84e4	126.6	NO
3	3 13C3-PFHxS	B8K0162-MSD1 Matrix Spike Dup 0.114...	3.61e3	132.1	NO
4	4 13C8-PFOA	B8K0162-MSD1 Matrix Spike Dup 0.114...	3.23e4	120.4	NO
5	5 13C9-PFNA	B8K0162-MSD1 Matrix Spike Dup 0.114...	2.04e4	110.1	NO
6	6 13C4-PFOS	B8K0162-MSD1 Matrix Spike Dup 0.114...	3.04e3	103.6	NO
7	7 13C6-PFDA	B8K0162-MSD1 Matrix Spike Dup 0.114...	1.60e4	75.6	NO
8	8 13C7-PFUdA	B8K0162-MSD1 Matrix Spike Dup 0.114...	8.85e3	39.0	YES

Name: 181127M1_15, Date: 27-Nov-2018, Time: 15:55:05, ID: B8K0162-BS1 OPR 0.125, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0162-BS1 OPR 0.125	1.31e4	181.2	YES
2	2 13C5-PFHxA	B8K0162-BS1 OPR 0.125	2.47e4	110.2	NO
3	3 13C3-PFHxS	B8K0162-BS1 OPR 0.125	3.03e3	110.9	NO
4	4 13C8-PFOA	B8K0162-BS1 OPR 0.125	2.61e4	97.4	NO
5	5 13C9-PFNA	B8K0162-BS1 OPR 0.125	1.42e4	76.4	NO
6	6 13C4-PFOS	B8K0162-BS1 OPR 0.125	1.77e3	60.4	NO
7	7 13C6-PFDA	B8K0162-BS1 OPR 0.125	7.53e3	35.6	YES
8	8 13C7-PFUdA	B8K0162-BS1 OPR 0.125	2.79e3	12.3	YES

Name: 181127M1_16, Date: 27-Nov-2018, Time: 16:05:38, ID: B8K0162-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0162-BLK1 Method Blank 0.125	1.36e4	187.2	YES
2	2 13C5-PFHxA	B8K0162-BLK1 Method Blank 0.125	2.54e4	113.5	NO
3	3 13C3-PFHxS	B8K0162-BLK1 Method Blank 0.125	3.19e3	117.1	NO
4	4 13C8-PFOA	B8K0162-BLK1 Method Blank 0.125	2.83e4	105.7	NO
5	5 13C9-PFNA	B8K0162-BLK1 Method Blank 0.125	1.55e4	83.7	NO
6	6 13C4-PFOS	B8K0162-BLK1 Method Blank 0.125	1.72e3	58.4	NO
7	7 13C6-PFDA	B8K0162-BLK1 Method Blank 0.125	8.15e3	38.5	YES
8	8 13C7-PFUdA	B8K0162-BLK1 Method Blank 0.125	2.75e3	12.1	YES

Name: 181127M1_17, Date: 27-Nov-2018, Time: 16:16:16, ID: 1803677-01 OC-RW05-1118 0.1159, Description: OC-RW05-1118

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803677-01 OC-RW05-1118 0.1159	1.41e4	194.1	YES
2	2 13C5-PFHxA	1803677-01 OC-RW05-1118 0.1159	2.62e4	117.1	NO
3	3 13C3-PFHxS	1803677-01 OC-RW05-1118 0.1159	3.05e3	111.8	NO
4	4 13C8-PFOA	1803677-01 OC-RW05-1118 0.1159	2.81e4	104.8	NO
5	5 13C9-PFNA	1803677-01 OC-RW05-1118 0.1159	1.48e4	80.1	NO
6	6 13C4-PFOS	1803677-01 OC-RW05-1118 0.1159	1.52e3	51.9	NO
7	7 13C6-PFDA	1803677-01 OC-RW05-1118 0.1159	7.74e3	36.5	YES
8	8 13C7-PFUdA	1803677-01 OC-RW05-1118 0.1159	3.18e3	14.0	YES

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-IIS AREA.qld

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Name: 181127M1_18, Date: 27-Nov-2018, Time: 16:26:49, ID: 1803677-02 OC-RW05P-1118 0.11752, Description: OC-RW05P-1118

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803677-02 OC-RW05P-1118 0.11752	1.40e4	193.5	YES
2	2 13C5-PFHxA	1803677-02 OC-RW05P-1118 0.11752	2.61e4	116.7	NO
3	3 13C3-PFHxS	1803677-02 OC-RW05P-1118 0.11752	3.16e3	115.9	NO
4	4 13C8-PFOA	1803677-02 OC-RW05P-1118 0.11752	3.04e4	113.3	NO
5	5 13C9-PFNA	1803677-02 OC-RW05P-1118 0.11752	1.84e4	99.2	NO
6	6 13C4-PFOS	1803677-02 OC-RW05P-1118 0.11752	2.06e3	70.1	NO
7	7 13C6-PFDA	1803677-02 OC-RW05P-1118 0.11752	1.34e4	63.2	NO
8	8 13C7-PFUDa	1803677-02 OC-RW05P-1118 0.11752	6.05e3	26.6	YES

Name: 181127M1_19, Date: 27-Nov-2018, Time: 16:37:27, ID: 1803677-03 OC-FB05-1118 0.12187, Description: OC-FB05-1118

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803677-03 OC-FB05-1118 0.12187	1.53e4	210.4	YES
2	2 13C5-PFHxA	1803677-03 OC-FB05-1118 0.12187	2.86e4	127.5	NO
3	3 13C3-PFHxS	1803677-03 OC-FB05-1118 0.12187	3.33e3	121.9	NO
4	4 13C8-PFOA	1803677-03 OC-FB05-1118 0.12187	3.10e4	115.5	NO
5	5 13C9-PFNA	1803677-03 OC-FB05-1118 0.12187	1.99e4	107.5	NO
6	6 13C4-PFOS	1803677-03 OC-FB05-1118 0.12187	2.48e3	84.4	NO
7	7 13C6-PFDA	1803677-03 OC-FB05-1118 0.12187	1.49e4	70.4	NO
8	8 13C7-PFUDa	1803677-03 OC-FB05-1118 0.12187	7.06e3	31.0	YES

Name: 181127M1_20, Date: 27-Nov-2018, Time: 16:48:00, ID: B8K0098-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0098-BS1 OPR 0.125	1.02e4	140.1	NO
2	2 13C5-PFHxA	B8K0098-BS1 OPR 0.125	1.97e4	87.8	NO
3	3 13C3-PFHxS	B8K0098-BS1 OPR 0.125	2.65e3	96.9	NO
4	4 13C8-PFOA	B8K0098-BS1 OPR 0.125	2.27e4	84.7	NO
5	5 13C9-PFNA	B8K0098-BS1 OPR 0.125	1.70e4	91.6	NO
6	6 13C4-PFOS	B8K0098-BS1 OPR 0.125	2.58e3	87.9	NO
7	7 13C6-PFDA	B8K0098-BS1 OPR 0.125	1.94e4	91.5	NO
8	8 13C7-PFUDa	B8K0098-BS1 OPR 0.125	2.22e4	97.8	NO

Name: 181127M1_21, Date: 27-Nov-2018, Time: 16:58:38, ID: B8K0098-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0098-BLK1 Method Blank 0.125	9.79e3	135.0	NO
2	2 13C5-PFHxA	B8K0098-BLK1 Method Blank 0.125	1.87e4	83.3	NO
3	3 13C3-PFHxS	B8K0098-BLK1 Method Blank 0.125	2.44e3	89.5	NO
4	4 13C8-PFOA	B8K0098-BLK1 Method Blank 0.125	2.27e4	84.6	NO
5	5 13C9-PFNA	B8K0098-BLK1 Method Blank 0.125	1.57e4	84.7	NO
6	6 13C4-PFOS	B8K0098-BLK1 Method Blank 0.125	2.50e3	85.1	NO
7	7 13C6-PFDA	B8K0098-BLK1 Method Blank 0.125	1.84e4	87.0	NO
8	8 13C7-PFUDa	B8K0098-BLK1 Method Blank 0.125	2.08e4	91.4	NO

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Name: 181127M1_22, Date: 27-Nov-2018, Time: 17:09:12, ID: 1803630-01 277 Bond Rd 0.10443, Description: 277 Bond Rd

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803630-01 277 Bond Rd 0.10443	7.43e3	102.4	NO
2	2 13C5-PFHxA	1803630-01 277 Bond Rd 0.10443	1.44e4	64.1	NO
3	3 13C3-PFHxS	1803630-01 277 Bond Rd 0.10443	2.01e3	73.7	NO
4	4 13C8-PFOA	1803630-01 277 Bond Rd 0.10443	1.75e4	65.3	NO
5	5 13C9-PFNA	1803630-01 277 Bond Rd 0.10443	1.26e4	67.9	NO
6	6 13C4-PFOS	1803630-01 277 Bond Rd 0.10443	2.04e3	69.6	NO
7	7 13C6-PFDA	1803630-01 277 Bond Rd 0.10443	1.40e4	66.1	NO
8	8 13C7-PFUDa	1803630-01 277 Bond Rd 0.10443	1.67e4	73.7	NO

Name: 181127M1_23, Date: 27-Nov-2018, Time: 17:19:51, ID: 1803630-02 292 Bond Rd 0.11197, Description: 292 Bond Rd

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803630-02 292 Bond Rd 0.11197	7.13e3	98.2	NO
2	2 13C5-PFHxA	1803630-02 292 Bond Rd 0.11197	1.34e4	59.9	NO
3	3 13C3-PFHxS	1803630-02 292 Bond Rd 0.11197	1.89e3	69.3	NO
4	4 13C8-PFOA	1803630-02 292 Bond Rd 0.11197	1.58e4	59.1	NO
5	5 13C9-PFNA	1803630-02 292 Bond Rd 0.11197	1.13e4	61.2	NO
6	6 13C4-PFOS	1803630-02 292 Bond Rd 0.11197	1.80e3	61.2	NO
7	7 13C6-PFDA	1803630-02 292 Bond Rd 0.11197	1.30e4	61.5	NO
8	8 13C7-PFUDa	1803630-02 292 Bond Rd 0.11197	1.52e4	66.8	NO

Name: 181127M1_24, Date: 27-Nov-2018, Time: 17:30:29, ID: 1803630-03 110 Phinney Rd 0.10702, Description: 110 Phinney Rd

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803630-03 110 Phinney Rd 0.10702	6.46e3	89.0	NO
2	2 13C5-PFHxA	1803630-03 110 Phinney Rd 0.10702	1.28e4	57.2	NO
3	3 13C3-PFHxS	1803630-03 110 Phinney Rd 0.10702	1.67e3	61.3	NO
4	4 13C8-PFOA	1803630-03 110 Phinney Rd 0.10702	1.58e4	58.7	NO
5	5 13C9-PFNA	1803630-03 110 Phinney Rd 0.10702	1.14e4	61.7	NO
6	6 13C4-PFOS	1803630-03 110 Phinney Rd 0.10702	1.82e3	62.1	NO
7	7 13C6-PFDA	1803630-03 110 Phinney Rd 0.10702	1.23e4	57.9	NO
8	8 13C7-PFUDa	1803630-03 110 Phinney Rd 0.10702	1.46e4	64.3	NO

Name: 181127M1_25, Date: 27-Nov-2018, Time: 17:41:02, ID: 1803630-04 305 Bond Rd 0.10908, Description: 305 Bond Rd

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803630-04 305 Bond Rd 0.10908	6.75e3	93.1	NO
2	2 13C5-PFHxA	1803630-04 305 Bond Rd 0.10908	1.30e4	58.1	NO
3	3 13C3-PFHxS	1803630-04 305 Bond Rd 0.10908	1.68e3	61.6	NO
4	4 13C8-PFOA	1803630-04 305 Bond Rd 0.10908	1.52e4	56.8	NO
5	5 13C9-PFNA	1803630-04 305 Bond Rd 0.10908	1.09e4	58.8	NO
6	6 13C4-PFOS	1803630-04 305 Bond Rd 0.10908	1.76e3	60.0	NO
7	7 13C6-PFDA	1803630-04 305 Bond Rd 0.10908	1.25e4	59.1	NO
8	8 13C7-PFUDa	1803630-04 305 Bond Rd 0.10908	1.48e4	65.0	NO

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Name: 181127M1_26, Date: 27-Nov-2018, Time: 17:51:40, ID: 1803630-05 122 Phinney Rd 0.11013, Description: 122 Phinney Rd

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803630-05 122 Phinney Rd 0.11013	7.18e3	98.9	NO
2	2 13C5-PFHxA	1803630-05 122 Phinney Rd 0.11013	1.33e4	59.5	NO
3	3 13C3-PFHxS	1803630-05 122 Phinney Rd 0.11013	1.81e3	66.2	NO
4	4 13C8-PFOA	1803630-05 122 Phinney Rd 0.11013	1.66e4	62.0	NO
5	5 13C9-PFNA	1803630-05 122 Phinney Rd 0.11013	1.10e4	59.1	NO
6	6 13C4-PFOS	1803630-05 122 Phinney Rd 0.11013	1.90e3	64.7	NO
7	7 13C6-PFDA	1803630-05 122 Phinney Rd 0.11013	1.25e4	59.2	NO
8	8 13C7-PFUDa	1803630-05 122 Phinney Rd 0.11013	1.51e4	66.4	NO

Name: 181127M1_27, Date: 27-Nov-2018, Time: 18:02:13, ID: 1803630-06 123 Phinney Rd 0.09851, Description: 123 Phinney Rd

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803630-06 123 Phinney Rd 0.09851	8.58e3	118.3	NO
2	2 13C5-PFHxA	1803630-06 123 Phinney Rd 0.09851	1.69e4	75.4	NO
3	3 13C3-PFHxS	1803630-06 123 Phinney Rd 0.09851	2.25e3	82.5	NO
4	4 13C8-PFOA	1803630-06 123 Phinney Rd 0.09851	2.03e4	75.7	NO
5	5 13C9-PFNA	1803630-06 123 Phinney Rd 0.09851	1.44e4	77.9	NO
6	6 13C4-PFOS	1803630-06 123 Phinney Rd 0.09851	2.35e3	79.9	NO
7	7 13C6-PFDA	1803630-06 123 Phinney Rd 0.09851	1.48e4	70.0	NO
8	8 13C7-PFUDa	1803630-06 123 Phinney Rd 0.09851	1.83e4	80.5	NO

Name: 181127M1_28, Date: 27-Nov-2018, Time: 18:12:52, 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	1.04e1	0.0	YES

Name: 181127M1_29, Date: 27-Nov-2018, Time: 18:23:26, ID: ST181127M1-3 PFC CS3 18K1906, Description: PFC CS3 18K1906

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181127M1-3 PFC CS3 18K1906	8.69e3	119.8	NO
2	2 13C5-PFHxA	ST181127M1-3 PFC CS3 18K1906	2.86e4	127.8	NO
3	3 13C3-PFHxS	ST181127M1-3 PFC CS3 18K1906	3.47e3	127.0	NO
4	4 13C8-PFOA	ST181127M1-3 PFC CS3 18K1906	3.25e4	121.3	NO
5	5 13C9-PFNA	ST181127M1-3 PFC CS3 18K1906	2.32e4	125.1	NO
6	6 13C4-PFOS	ST181127M1-3 PFC CS3 18K1906	3.58e3	121.8	NO
7	7 13C6-PFDA	ST181127M1-3 PFC CS3 18K1906	2.70e4	127.5	NO
8	8 13C7-PFUDa	ST181127M1-3 PFC CS3 18K1906	3.06e4	134.6	NO

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Name: 181127M1_30, Date: 27-Nov-2018, Time: 18:34:04, 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: 181127M1_31, Date: 27-Nov-2018, Time: 18:44:37, ID: 1803630-07 277 Bond Rd FRB 0.11327, Description: 277 Bond Rd FRB

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803630-07 277 Bond Rd FRB 0.11327	9.13e3	125.9	NO
2	2 13C5-PFHxA	1803630-07 277 Bond Rd FRB 0.11327	1.77e4	79.2	NO
3	3 13C3-PFHxS	1803630-07 277 Bond Rd FRB 0.11327	2.34e3	85.8	NO
4	4 13C8-PFOA	1803630-07 277 Bond Rd FRB 0.11327	2.11e4	78.5	NO
5	5 13C9-PFNA	1803630-07 277 Bond Rd FRB 0.11327	1.46e4	78.7	NO
6	6 13C4-PFOS	1803630-07 277 Bond Rd FRB 0.11327	2.28e3	77.6	NO
7	7 13C6-PFDA	1803630-07 277 Bond Rd FRB 0.11327	1.70e4	80.2	NO
8	8 13C7-PFUdA	1803630-07 277 Bond Rd FRB 0.11327	1.99e4	87.6	NO

Name: 181127M1_32, Date: 27-Nov-2018, Time: 18:55:15, ID: B8K0105-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0105-BS1 OPR 0.125	1.03e4	142.2	NO
2	2 13C5-PFHxA	B8K0105-BS1 OPR 0.125	1.96e4	87.4	NO
3	3 13C3-PFHxS	B8K0105-BS1 OPR 0.125	2.48e3	91.0	NO
4	4 13C8-PFOA	B8K0105-BS1 OPR 0.125	2.32e4	86.4	NO
5	5 13C9-PFNA	B8K0105-BS1 OPR 0.125	1.63e4	88.2	NO
6	6 13C4-PFOS	B8K0105-BS1 OPR 0.125	2.46e3	83.7	NO
7	7 13C6-PFDA	B8K0105-BS1 OPR 0.125	1.84e4	86.7	NO
8	8 13C7-PFUdA	B8K0105-BS1 OPR 0.125	2.20e4	96.6	NO

Name: 181127M1_33, Date: 27-Nov-2018, Time: 19:05:49, ID: B8K0105-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0105-BLK1 Method Blank 0.125	9.95e3	137.1	NO
2	2 13C5-PFHxA	B8K0105-BLK1 Method Blank 0.125	1.91e4	85.5	NO
3	3 13C3-PFHxS	B8K0105-BLK1 Method Blank 0.125	2.35e3	86.0	NO
4	4 13C8-PFOA	B8K0105-BLK1 Method Blank 0.125	2.32e4	86.5	NO
5	5 13C9-PFNA	B8K0105-BLK1 Method Blank 0.125	1.66e4	89.4	NO
6	6 13C4-PFOS	B8K0105-BLK1 Method Blank 0.125	2.49e3	84.6	NO
7	7 13C6-PFDA	B8K0105-BLK1 Method Blank 0.125	1.89e4	89.4	NO
8	8 13C7-PFUdA	B8K0105-BLK1 Method Blank 0.125	2.10e4	92.3	NO

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Name: 181127M1_34, Date: 27-Nov-2018, Time: 19:16:27, ID: 1803643-01 DPH-MW10-17 0.11455, Description: DPH-MW10-17

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803643-01 DPH-MW10-17 0.11455	1.09e4	150.6	YES
2	2 13C5-PFHxA	1803643-01 DPH-MW10-17 0.11455	2.13e4	95.0	NO
3	3 13C3-PFHxS	1803643-01 DPH-MW10-17 0.11455	2.76e3	101.0	NO
4	4 13C8-PFOA	1803643-01 DPH-MW10-17 0.11455	2.57e4	96.0	NO
5	5 13C9-PFNA	1803643-01 DPH-MW10-17 0.11455	1.94e4	104.6	NO
6	6 13C4-PFOS	1803643-01 DPH-MW10-17 0.11455	2.97e3	101.0	NO
7	7 13C6-PFDA	1803643-01 DPH-MW10-17 0.11455	2.13e4	100.8	NO
8	8 13C7-PFUDa	1803643-01 DPH-MW10-17 0.11455	2.46e4	108.4	NO

Name: 181127M1_35, Date: 27-Nov-2018, Time: 19:27:05, ID: 1803643-02 DPH-MW8-17 0.11432, Description: DPH-MW8-17

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803643-02 DPH-MW8-17 0.11432	1.01e4	139.1	NO
2	2 13C5-PFHxA	1803643-02 DPH-MW8-17 0.11432	2.00e4	89.1	NO
3	3 13C3-PFHxS	1803643-02 DPH-MW8-17 0.11432	2.59e3	94.8	NO
4	4 13C8-PFOA	1803643-02 DPH-MW8-17 0.11432	2.49e4	92.7	NO
5	5 13C9-PFNA	1803643-02 DPH-MW8-17 0.11432	1.80e4	97.4	NO
6	6 13C4-PFOS	1803643-02 DPH-MW8-17 0.11432	2.60e3	88.4	NO
7	7 13C6-PFDA	1803643-02 DPH-MW8-17 0.11432	2.03e4	95.9	NO
8	8 13C7-PFUDa	1803643-02 DPH-MW8-17 0.11432	2.35e4	103.3	NO

Name: 181127M1_36, Date: 27-Nov-2018, Time: 19:37:44, ID: 1803643-03 DPH-MW5-17 0.11778, Description: DPH-MW5-17

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803643-03 DPH-MW5-17 0.11778	1.05e4	145.3	NO
2	2 13C5-PFHxA	1803643-03 DPH-MW5-17 0.11778	2.04e4	91.0	NO
3	3 13C3-PFHxS	1803643-03 DPH-MW5-17 0.11778	2.62e3	95.8	NO
4	4 13C8-PFOA	1803643-03 DPH-MW5-17 0.11778	2.39e4	89.2	NO
5	5 13C9-PFNA	1803643-03 DPH-MW5-17 0.11778	1.69e4	91.3	NO
6	6 13C4-PFOS	1803643-03 DPH-MW5-17 0.11778	2.61e3	88.9	NO
7	7 13C6-PFDA	1803643-03 DPH-MW5-17 0.11778	1.92e4	90.9	NO
8	8 13C7-PFUDa	1803643-03 DPH-MW5-17 0.11778	2.22e4	97.5	NO

Name: 181127M1_37, Date: 27-Nov-2018, Time: 19:48:16, ID: 1803643-04 DPH-MW9-17 0.11197, Description: DPH-MW9-17

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803643-04 DPH-MW9-17 0.11197	9.78e3	134.8	NO
2	2 13C5-PFHxA	1803643-04 DPH-MW9-17 0.11197	1.82e4	81.5	NO
3	3 13C3-PFHxS	1803643-04 DPH-MW9-17 0.11197	2.38e3	87.4	NO
4	4 13C8-PFOA	1803643-04 DPH-MW9-17 0.11197	2.20e4	82.1	NO
5	5 13C9-PFNA	1803643-04 DPH-MW9-17 0.11197	1.53e4	82.6	NO
6	6 13C4-PFOS	1803643-04 DPH-MW9-17 0.11197	2.30e3	78.2	NO
7	7 13C6-PFDA	1803643-04 DPH-MW9-17 0.11197	1.74e4	82.3	NO
8	8 13C7-PFUDa	1803643-04 DPH-MW9-17 0.11197	2.03e4	89.5	NO

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Name: 181127M1_38, Date: 27-Nov-2018, Time: 19:58:55, ID: 1803643-05 DPH-MW4-17 0.11305, Description: DPH-MW4-17

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803643-05 DPH-MW4-17 0.11305	1.00e4	138.0	NO
2	2 13C5-PFHxA	1803643-05 DPH-MW4-17 0.11305	1.97e4	88.0	NO
3	3 13C3-PFHxS	1803643-05 DPH-MW4-17 0.11305	2.54e3	93.0	NO
4	4 13C8-PFOA	1803643-05 DPH-MW4-17 0.11305	2.42e4	90.2	NO
5	5 13C9-PFNA	1803643-05 DPH-MW4-17 0.11305	1.76e4	94.8	NO
6	6 13C4-PFOS	1803643-05 DPH-MW4-17 0.11305	2.73e3	92.8	NO
7	7 13C6-PFDA	1803643-05 DPH-MW4-17 0.11305	2.01e4	94.9	NO
8	8 13C7-PFUDa	1803643-05 DPH-MW4-17 0.11305	2.25e4	99.2	NO

Name: 181127M1_39, Date: 27-Nov-2018, Time: 20:09:28, ID: 1803643-06 DPH-MW2-17 0.11423, Description: DPH-MW2-17

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803643-06 DPH-MW2-17 0.11423	1.03e4	142.3	NO
2	2 13C5-PFHxA	1803643-06 DPH-MW2-17 0.11423	2.03e4	90.8	NO
3	3 13C3-PFHxS	1803643-06 DPH-MW2-17 0.11423	2.76e3	101.1	NO
4	4 13C8-PFOA	1803643-06 DPH-MW2-17 0.11423	2.43e4	90.8	NO
5	5 13C9-PFNA	1803643-06 DPH-MW2-17 0.11423	1.84e4	99.1	NO
6	6 13C4-PFOS	1803643-06 DPH-MW2-17 0.11423	2.92e3	99.5	NO
7	7 13C6-PFDA	1803643-06 DPH-MW2-17 0.11423	2.06e4	97.1	NO
8	8 13C7-PFUDa	1803643-06 DPH-MW2-17 0.11423	2.47e4	108.8	NO

Name: 181127M1_40, Date: 27-Nov-2018, Time: 20:20:06, ID: 1803643-07 DPH-B5 0.11397, Description: DPH-B5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803643-07 DPH-B5 0.11397	9.50e3	130.9	NO
2	2 13C5-PFHxA	1803643-07 DPH-B5 0.11397	1.90e4	84.6	NO
3	3 13C3-PFHxS	1803643-07 DPH-B5 0.11397	2.42e3	88.6	NO
4	4 13C8-PFOA	1803643-07 DPH-B5 0.11397	2.29e4	85.5	NO
5	5 13C9-PFNA	1803643-07 DPH-B5 0.11397	1.59e4	85.7	NO
6	6 13C4-PFOS	1803643-07 DPH-B5 0.11397	2.46e3	83.6	NO
7	7 13C6-PFDA	1803643-07 DPH-B5 0.11397	1.84e4	86.8	NO
8	8 13C7-PFUDa	1803643-07 DPH-B5 0.11397	2.15e4	94.5	NO

Name: 181127M1_41, Date: 27-Nov-2018, Time: 20:30:44, ID: 1803643-08 DPH-MW1-17 0.1163, Description: DPH-MW1-17

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803643-08 DPH-MW1-17 0.1163	1.05e4	144.6	NO
2	2 13C5-PFHxA	1803643-08 DPH-MW1-17 0.1163	2.05e4	91.3	NO
3	3 13C3-PFHxS	1803643-08 DPH-MW1-17 0.1163	2.57e3	94.2	NO
4	4 13C8-PFOA	1803643-08 DPH-MW1-17 0.1163	2.47e4	92.1	NO
5	5 13C9-PFNA	1803643-08 DPH-MW1-17 0.1163	1.73e4	93.1	NO
6	6 13C4-PFOS	1803643-08 DPH-MW1-17 0.1163	2.62e3	89.1	NO
7	7 13C6-PFDA	1803643-08 DPH-MW1-17 0.1163	1.99e4	93.9	NO
8	8 13C7-PFUDa	1803643-08 DPH-MW1-17 0.1163	2.25e4	99.1	NO

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Name: 181127M1_42, Date: 27-Nov-2018, Time: 20:41:18, ID: 1803643-09 DPH-EX4 0.11442, Description: DPH-EX4

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803643-09 DPH-EX4 0.11442	9.80e3	135.0	NO
2	2 13C5-PFHxA	1803643-09 DPH-EX4 0.11442	1.88e4	83.9	NO
3	3 13C3-PFHxS	1803643-09 DPH-EX4 0.11442	2.44e3	89.5	NO
4	4 13C8-PFOA	1803643-09 DPH-EX4 0.11442	2.25e4	83.7	NO
5	5 13C9-PFNA	1803643-09 DPH-EX4 0.11442	1.58e4	85.3	NO
6	6 13C4-PFOS	1803643-09 DPH-EX4 0.11442	2.48e3	84.5	NO
7	7 13C6-PFDA	1803643-09 DPH-EX4 0.11442	1.87e4	88.5	NO
8	8 13C7-PFUDa	1803643-09 DPH-EX4 0.11442	2.12e4	93.5	NO

Name: 181127M1_43, Date: 27-Nov-2018, Time: 20:51:56, 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: 181127M1_44, Date: 27-Nov-2018, Time: 21:02:28, ID: ST181127M1-4 PFC CS3 18K1906, Description: PFC CS3 18K1906

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181127M1-4 PFC CS3 18K1906	8.73e3	120.2	NO
2	2 13C5-PFHxA	ST181127M1-4 PFC CS3 18K1906	2.86e4	127.8	NO
3	3 13C3-PFHxS	ST181127M1-4 PFC CS3 18K1906	3.55e3	130.2	NO
4	4 13C8-PFOA	ST181127M1-4 PFC CS3 18K1906	3.37e4	125.8	NO
5	5 13C9-PFNA	ST181127M1-4 PFC CS3 18K1906	2.36e4	127.1	NO
6	6 13C4-PFOS	ST181127M1-4 PFC CS3 18K1906	3.67e3	124.9	NO
7	7 13C6-PFDA	ST181127M1-4 PFC CS3 18K1906	2.73e4	129.2	NO
8	8 13C7-PFUDa	ST181127M1-4 PFC CS3 18K1906	3.10e4	136.6	NO

Name: 181127M1_45, Date: 27-Nov-2018, Time: 21:13:06, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA	6.03e0	0.0	YES
8	8 13C7-PFUDa	IPA			NO

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Name: 181127M1_46, Date: 27-Nov-2018, Time: 21:23:39, ID: 1803645-01 DPH-MW6 0.11548, Description: DPH-MW6

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803645-01 DPH-MW6 0.11548	1.07e4	147.1	NO
2	2 13C5-PFHxA	1803645-01 DPH-MW6 0.11548	2.03e4	90.4	NO
3	3 13C3-PFHxS	1803645-01 DPH-MW6 0.11548	2.54e3	93.2	NO
4	4 13C8-PFOA	1803645-01 DPH-MW6 0.11548	2.49e4	92.8	NO
5	5 13C9-PFNA	1803645-01 DPH-MW6 0.11548	1.71e4	92.2	NO
6	6 13C4-PFOS	1803645-01 DPH-MW6 0.11548	2.63e3	89.5	NO
7	7 13C6-PFDA	1803645-01 DPH-MW6 0.11548	2.00e4	94.6	NO
8	8 13C7-PFUDa	1803645-01 DPH-MW6 0.11548	2.29e4	100.7	NO

Name: 181127M1_47, Date: 27-Nov-2018, Time: 21:34:18, ID: 1803645-02 DPH-MW21 0.11562, Description: DPH-MW21

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803645-02 DPH-MW21 0.11562	1.01e4	139.8	NO
2	2 13C5-PFHxA	1803645-02 DPH-MW21 0.11562	1.99e4	88.7	NO
3	3 13C3-PFHxS	1803645-02 DPH-MW21 0.11562	2.56e3	93.7	NO
4	4 13C8-PFOA	1803645-02 DPH-MW21 0.11562	2.43e4	90.5	NO
5	5 13C9-PFNA	1803645-02 DPH-MW21 0.11562	1.66e4	89.3	NO
6	6 13C4-PFOS	1803645-02 DPH-MW21 0.11562	2.62e3	89.1	NO
7	7 13C6-PFDA	1803645-02 DPH-MW21 0.11562	1.93e4	91.1	NO
8	8 13C7-PFUDa	1803645-02 DPH-MW21 0.11562	2.23e4	98.3	NO

Name: 181127M1_48, Date: 27-Nov-2018, Time: 21:44:56, ID: 1803645-03 DPH-MW15D 0.11807, Description: DPH-MW15D

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803645-03 DPH-MW15D 0.11807	9.26e3	127.7	NO
2	2 13C5-PFHxA	1803645-03 DPH-MW15D 0.11807	1.81e4	80.8	NO
3	3 13C3-PFHxS	1803645-03 DPH-MW15D 0.11807	2.55e3	93.5	NO
4	4 13C8-PFOA	1803645-03 DPH-MW15D 0.11807	2.21e4	82.2	NO
5	5 13C9-PFNA	1803645-03 DPH-MW15D 0.11807	1.59e4	85.7	NO
6	6 13C4-PFOS	1803645-03 DPH-MW15D 0.11807	2.62e3	89.3	NO
7	7 13C6-PFDA	1803645-03 DPH-MW15D 0.11807	1.91e4	90.4	NO
8	8 13C7-PFUDa	1803645-03 DPH-MW15D 0.11807	2.24e4	98.6	NO

Name: 181127M1_49, Date: 27-Nov-2018, Time: 21:55:28, ID: 1803645-04 DPH-MW22 0.11748, Description: DPH-MW22

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803645-04 DPH-MW22 0.11748	9.76e3	134.5	NO
2	2 13C5-PFHxA	1803645-04 DPH-MW22 0.11748	1.89e4	84.5	NO
3	3 13C3-PFHxS	1803645-04 DPH-MW22 0.11748	2.55e3	93.6	NO
4	4 13C8-PFOA	1803645-04 DPH-MW22 0.11748	2.25e4	84.0	NO
5	5 13C9-PFNA	1803645-04 DPH-MW22 0.11748	1.64e4	88.6	NO
6	6 13C4-PFOS	1803645-04 DPH-MW22 0.11748	2.70e3	91.8	NO
7	7 13C6-PFDA	1803645-04 DPH-MW22 0.11748	1.81e4	85.4	NO
8	8 13C7-PFUDa	1803645-04 DPH-MW22 0.11748	2.13e4	93.6	NO

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Name: 181127M1_50, Date: 27-Nov-2018, Time: 22:06:07, ID: 1803649-01 DPH-MW18 0.11992, Description: DPH-MW18

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803649-01 DPH-MW18 0.11992	9.76e3	134.6	NO
2	2 13C5-PFHxA	1803649-01 DPH-MW18 0.11992	1.92e4	85.5	NO
3	3 13C3-PFHxS	1803649-01 DPH-MW18 0.11992	2.59e3	95.0	NO
4	4 13C8-PFOA	1803649-01 DPH-MW18 0.11992	2.28e4	84.9	NO
5	5 13C9-PFNA	1803649-01 DPH-MW18 0.11992	1.60e4	86.2	NO
6	6 13C4-PFOS	1803649-01 DPH-MW18 0.11992	2.44e3	82.9	NO
7	7 13C6-PFDA	1803649-01 DPH-MW18 0.11992	1.82e4	85.8	NO
8	8 13C7-PFUDa	1803649-01 DPH-MW18 0.11992	2.13e4	93.7	NO

Name: 181127M1_51, Date: 27-Nov-2018, Time: 22:16:45, ID: 1803649-02 DPH-MW19 0.11728, Description: DPH-MW19

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803649-02 DPH-MW19 0.11728	1.03e4	142.4	NO
2	2 13C5-PFHxA	1803649-02 DPH-MW19 0.11728	2.03e4	90.8	NO
3	3 13C3-PFHxS	1803649-02 DPH-MW19 0.11728	2.81e3	102.8	NO
4	4 13C8-PFOA	1803649-02 DPH-MW19 0.11728	2.50e4	93.4	NO
5	5 13C9-PFNA	1803649-02 DPH-MW19 0.11728	1.82e4	98.2	NO
6	6 13C4-PFOS	1803649-02 DPH-MW19 0.11728	2.86e3	97.4	NO
7	7 13C6-PFDA	1803649-02 DPH-MW19 0.11728	2.04e4	96.3	NO
8	8 13C7-PFUDa	1803649-02 DPH-MW19 0.11728	2.36e4	103.8	NO

Name: 181127M1_52, Date: 27-Nov-2018, Time: 22:27:18, ID: 1803649-03 DPH-SW1 0.1142, Description: DPH-SW1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803649-03 DPH-SW1 0.1142	9.68e3	133.4	NO
2	2 13C5-PFHxA	1803649-03 DPH-SW1 0.1142	1.88e4	84.1	NO
3	3 13C3-PFHxS	1803649-03 DPH-SW1 0.1142	2.22e3	81.4	NO
4	4 13C8-PFOA	1803649-03 DPH-SW1 0.1142	2.24e4	83.4	NO
5	5 13C9-PFNA	1803649-03 DPH-SW1 0.1142	1.45e4	78.1	NO
6	6 13C4-PFOS	1803649-03 DPH-SW1 0.1142	2.37e3	80.7	NO
7	7 13C6-PFDA	1803649-03 DPH-SW1 0.1142	1.76e4	82.9	NO
8	8 13C7-PFUDa	1803649-03 DPH-SW1 0.1142	1.99e4	87.7	NO

Name: 181127M1_53, Date: 27-Nov-2018, Time: 22:37:57, ID: 1803649-04 DPH-SW3 0.11432, Description: DPH-SW3

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803649-04 DPH-SW3 0.11432	1.07e4	147.6	NO
2	2 13C5-PFHxA	1803649-04 DPH-SW3 0.11432	2.06e4	91.9	NO
3	3 13C3-PFHxS	1803649-04 DPH-SW3 0.11432	2.58e3	94.6	NO
4	4 13C8-PFOA	1803649-04 DPH-SW3 0.11432	2.41e4	89.8	NO
5	5 13C9-PFNA	1803649-04 DPH-SW3 0.11432	1.73e4	93.1	NO
6	6 13C4-PFOS	1803649-04 DPH-SW3 0.11432	2.64e3	89.9	NO
7	7 13C6-PFDA	1803649-04 DPH-SW3 0.11432	1.93e4	91.3	NO
8	8 13C7-PFUDa	1803649-04 DPH-SW3 0.11432	2.20e4	96.7	NO

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Name: 181127M1_54, Date: 27-Nov-2018, Time: 22:48:35, ID: 1803649-05 DPH-SW4 0.11082, Description: DPH-SW4

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803649-05 DPH-SW4 0.11082	9.73e3	134.0	NO
2	2 13C5-PFHxA	1803649-05 DPH-SW4 0.11082	1.86e4	83.1	NO
3	3 13C3-PFHxS	1803649-05 DPH-SW4 0.11082	2.32e3	85.1	NO
4	4 13C8-PFOA	1803649-05 DPH-SW4 0.11082	2.28e4	84.9	NO
5	5 13C9-PFNA	1803649-05 DPH-SW4 0.11082	1.51e4	81.7	NO
6	6 13C4-PFOS	1803649-05 DPH-SW4 0.11082	2.47e3	84.0	NO
7	7 13C6-PFDA	1803649-05 DPH-SW4 0.11082	1.84e4	86.7	NO
8	8 13C7-PFUDa	1803649-05 DPH-SW4 0.11082	2.12e4	93.2	NO

Name: 181127M1_55, Date: 27-Nov-2018, Time: 22:59:07, ID: B8K0133-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0133-BS1 OPR 0.125	1.03e4	141.9	NO
2	2 13C5-PFHxA	B8K0133-BS1 OPR 0.125	1.98e4	88.3	NO
3	3 13C3-PFHxS	B8K0133-BS1 OPR 0.125	2.82e3	103.4	NO
4	4 13C8-PFOA	B8K0133-BS1 OPR 0.125	2.47e4	92.1	NO
5	5 13C9-PFNA	B8K0133-BS1 OPR 0.125	1.84e4	99.1	NO
6	6 13C4-PFOS	B8K0133-BS1 OPR 0.125	2.91e3	98.9	NO
7	7 13C6-PFDA	B8K0133-BS1 OPR 0.125	2.16e4	102.0	NO
8	8 13C7-PFUDa	B8K0133-BS1 OPR 0.125	2.53e4	111.2	NO

Name: 181127M1_56, Date: 27-Nov-2018, Time: 23:09:45, ID: B8K0133-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0133-BLK1 Method Blank 0.125	1.19e4	164.0	YES
2	2 13C5-PFHxA	B8K0133-BLK1 Method Blank 0.125	2.25e4	100.6	NO
3	3 13C3-PFHxS	B8K0133-BLK1 Method Blank 0.125	2.80e3	102.7	NO
4	4 13C8-PFOA	B8K0133-BLK1 Method Blank 0.125	2.69e4	100.4	NO
5	5 13C9-PFNA	B8K0133-BLK1 Method Blank 0.125	1.88e4	101.5	NO
6	6 13C4-PFOS	B8K0133-BLK1 Method Blank 0.125	2.85e3	97.0	NO
7	7 13C6-PFDA	B8K0133-BLK1 Method Blank 0.125	2.17e4	102.4	NO
8	8 13C7-PFUDa	B8K0133-BLK1 Method Blank 0.125	2.42e4	106.6	NO

Name: 181127M1_57, Date: 27-Nov-2018, Time: 23:20:24, ID: 1803638-01 Ireland 0.11664, Description: Ireland

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803638-01 Ireland 0.11664	9.13e3	125.8	NO
2	2 13C5-PFHxA	1803638-01 Ireland 0.11664	1.75e4	78.0	NO
3	3 13C3-PFHxS	1803638-01 Ireland 0.11664	2.88e3	105.6	NO
4	4 13C8-PFOA	1803638-01 Ireland 0.11664	2.02e4	75.3	NO
5	5 13C9-PFNA	1803638-01 Ireland 0.11664	1.44e4	77.6	NO
6	6 13C4-PFOS	1803638-01 Ireland 0.11664	2.90e3	98.8	NO
7	7 13C6-PFDA	1803638-01 Ireland 0.11664	1.74e4	82.4	NO
8	8 13C7-PFUDa	1803638-01 Ireland 0.11664	2.07e4	90.9	NO

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Name: 181127M1_58, Date: 27-Nov-2018, Time: 23:30:57, 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: 181127M1_59, Date: 27-Nov-2018, Time: 23:41:36, ID: ST181127M1-5 PFC CS3 18K1906, Description: PFC CS3 18K1906

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181127M1-5 PFC CS3 18K1906	8.82e3	121.5	NO
2	2 13C5-PFHxA	ST181127M1-5 PFC CS3 18K1906	2.92e4	130.4	NO
3	3 13C3-PFHxS	ST181127M1-5 PFC CS3 18K1906	3.60e3	132.0	NO
4	4 13C8-PFOA	ST181127M1-5 PFC CS3 18K1906	3.31e4	123.3	NO
5	5 13C9-PFNA	ST181127M1-5 PFC CS3 18K1906	2.36e4	127.3	NO
6	6 13C4-PFOS	ST181127M1-5 PFC CS3 18K1906	3.55e3	121.0	NO
7	7 13C6-PFDA	ST181127M1-5 PFC CS3 18K1906	2.70e4	127.6	NO
8	8 13C7-PFUdA	ST181127M1-5 PFC CS3 18K1906	3.03e4	133.2	NO

Name: 181127M1_60, Date: 27-Nov-2018, Time: 23:52:09, ID: IPA, Description: IPA

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

Name: 181127M1_61, Date: 28-Nov-2018, Time: 00:02:47, ID: 1803639-01 MW-1 0.11477, Description: MW-1

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803639-01 MW-1 0.11477	1.03e4	141.7	NO
2	2 13C5-PFHxA	1803639-01 MW-1 0.11477	1.90e4	84.8	NO
3	3 13C3-PFHxS	1803639-01 MW-1 0.11477	2.77e3	101.5	NO
4	4 13C8-PFOA	1803639-01 MW-1 0.11477	2.20e4	82.1	NO
5	5 13C9-PFNA	1803639-01 MW-1 0.11477	1.57e4	84.6	NO
6	6 13C4-PFOS	1803639-01 MW-1 0.11477	2.85e3	97.1	NO
7	7 13C6-PFDA	1803639-01 MW-1 0.11477	1.80e4	84.9	NO
8	8 13C7-PFUdA	1803639-01 MW-1 0.11477	2.14e4	94.3	NO

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Name: 181127M1_62, Date: 28-Nov-2018, Time: 00:13:20, ID: 1803639-02 MW-3 0.11437, Description: MW-3

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803639-02 MW-3 0.11437	1.02e4	140.8	NO
2	2 13C5-PFHxA	1803639-02 MW-3 0.11437	2.00e4	89.3	NO
3	3 13C3-PFHxS	1803639-02 MW-3 0.11437	2.59e3	94.8	NO
4	4 13C8-PFOA	1803639-02 MW-3 0.11437	2.23e4	83.2	NO
5	5 13C9-PFNA	1803639-02 MW-3 0.11437	1.60e4	86.4	NO
6	6 13C4-PFOS	1803639-02 MW-3 0.11437	2.67e3	90.8	NO
7	7 13C6-PFDA	1803639-02 MW-3 0.11437	1.90e4	89.6	NO
8	8 13C7-PFUDa	1803639-02 MW-3 0.11437	2.25e4	98.9	NO

Name: 181127M1_63, Date: 28-Nov-2018, Time: 00:23:58, ID: 1803650-01 RFW-3 0.113, Description: RFW-3

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803650-01 RFW-3 0.113	1.11e4	152.4	YES
2	2 13C5-PFHxA	1803650-01 RFW-3 0.113	2.15e4	96.0	NO
3	3 13C3-PFHxS	1803650-01 RFW-3 0.113	2.85e3	104.4	NO
4	4 13C8-PFOA	1803650-01 RFW-3 0.113	2.32e4	86.7	NO
5	5 13C9-PFNA	1803650-01 RFW-3 0.113	1.65e4	88.9	NO
6	6 13C4-PFOS	1803650-01 RFW-3 0.113	3.12e3	106.1	NO
7	7 13C6-PFDA	1803650-01 RFW-3 0.113	2.01e4	94.9	NO
8	8 13C7-PFUDa	1803650-01 RFW-3 0.113	2.41e4	106.0	NO

Name: 181127M1_64, Date: 28-Nov-2018, Time: 00:34:30, ID: 1803650-02 RFW-4 0.11224, Description: RFW-4

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803650-02 RFW-4 0.11224	1.20e4	165.2	YES
2	2 13C5-PFHxA	1803650-02 RFW-4 0.11224	2.25e4	100.4	NO
3	3 13C3-PFHxS	1803650-02 RFW-4 0.11224	2.99e3	109.7	NO
4	4 13C8-PFOA	1803650-02 RFW-4 0.11224	2.74e4	102.1	NO
5	5 13C9-PFNA	1803650-02 RFW-4 0.11224	1.97e4	106.0	NO
6	6 13C4-PFOS	1803650-02 RFW-4 0.11224	3.19e3	108.7	NO
7	7 13C6-PFDA	1803650-02 RFW-4 0.11224	2.26e4	106.8	NO
8	8 13C7-PFUDa	1803650-02 RFW-4 0.11224	2.50e4	109.9	NO

Name: 181127M1_65, Date: 28-Nov-2018, Time: 00:45:09, ID: 1803650-03 GZ-202A 0.11317, Description: GZ-202A

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803650-03 GZ-202A 0.11317	1.10e4	151.0	YES
2	2 13C5-PFHxA	1803650-03 GZ-202A 0.11317	2.13e4	94.9	NO
3	3 13C3-PFHxS	1803650-03 GZ-202A 0.11317	2.77e3	101.4	NO
4	4 13C8-PFOA	1803650-03 GZ-202A 0.11317	2.66e4	99.3	NO
5	5 13C9-PFNA	1803650-03 GZ-202A 0.11317	1.83e4	98.7	NO
6	6 13C4-PFOS	1803650-03 GZ-202A 0.11317	2.64e3	89.8	NO
7	7 13C6-PFDA	1803650-03 GZ-202A 0.11317	2.09e4	98.7	NO
8	8 13C7-PFUDa	1803650-03 GZ-202A 0.11317	2.41e4	106.0	NO

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Name: 181127M1_66, Date: 28-Nov-2018, Time: 00:55:47, ID: 1803650-04 P-2R (South Spring) 0.11552, Description: P-2R (South Spring)

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803650-04 P-2R (South Spring) 0.11552	9.07e3	124.9	NO
2	2 13C5-PFHxA	1803650-04 P-2R (South Spring) 0.11552	1.82e4	81.2	NO
3	3 13C3-PFHxS	1803650-04 P-2R (South Spring) 0.11552	2.39e3	87.5	NO
4	4 13C8-PFOA	1803650-04 P-2R (South Spring) 0.11552	2.13e4	79.5	NO
5	5 13C9-PFNA	1803650-04 P-2R (South Spring) 0.11552	1.53e4	82.4	NO
6	6 13C4-PFOS	1803650-04 P-2R (South Spring) 0.11552	2.50e3	85.1	NO
7	7 13C6-PFDA	1803650-04 P-2R (South Spring) 0.11552	1.86e4	87.7	NO
8	8 13C7-PFUdA	1803650-04 P-2R (South Spring) 0.11552	2.10e4	92.5	NO

Name: 181127M1_67, Date: 28-Nov-2018, Time: 01:06:20, ID: 1803653-01 SEA-1 0.11267, Description: SEA-1

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803653-01 SEA-1 0.11267	1.14e4	157.7	YES
2	2 13C5-PFHxA	1803653-01 SEA-1 0.11267	2.21e4	98.5	NO
3	3 13C3-PFHxS	1803653-01 SEA-1 0.11267	2.96e3	108.5	NO
4	4 13C8-PFOA	1803653-01 SEA-1 0.11267	2.68e4	99.8	NO
5	5 13C9-PFNA	1803653-01 SEA-1 0.11267	1.91e4	103.0	NO
6	6 13C4-PFOS	1803653-01 SEA-1 0.11267	3.04e3	103.3	NO
7	7 13C6-PFDA	1803653-01 SEA-1 0.11267	2.19e4	103.6	NO
8	8 13C7-PFUdA	1803653-01 SEA-1 0.11267	2.57e4	113.0	NO

Name: 181127M1_68, Date: 28-Nov-2018, Time: 01:16:59, ID: 1803653-02 SEA-2 0.1142, Description: SEA-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803653-02 SEA-2 0.1142	1.03e4	141.9	NO
2	2 13C5-PFHxA	1803653-02 SEA-2 0.1142	2.03e4	90.5	NO
3	3 13C3-PFHxS	1803653-02 SEA-2 0.1142	2.86e3	104.7	NO
4	4 13C8-PFOA	1803653-02 SEA-2 0.1142	2.42e4	90.1	NO
5	5 13C9-PFNA	1803653-02 SEA-2 0.1142	1.79e4	96.6	NO
6	6 13C4-PFOS	1803653-02 SEA-2 0.1142	2.83e3	96.3	NO
7	7 13C6-PFDA	1803653-02 SEA-2 0.1142	2.04e4	96.3	NO
8	8 13C7-PFUdA	1803653-02 SEA-2 0.1142	2.34e4	103.1	NO

Name: 181127M1_69, Date: 28-Nov-2018, Time: 01:27:32, ID: 1803653-03 DH-1A 0.11294, Description: DH-1A

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803653-03 DH-1A 0.11294	1.12e4	154.5	YES
2	2 13C5-PFHxA	1803653-03 DH-1A 0.11294	2.15e4	96.0	NO
3	3 13C3-PFHxS	1803653-03 DH-1A 0.11294	3.00e3	110.0	NO
4	4 13C8-PFOA	1803653-03 DH-1A 0.11294	2.65e4	98.6	NO
5	5 13C9-PFNA	1803653-03 DH-1A 0.11294	1.88e4	101.6	NO
6	6 13C4-PFOS	1803653-03 DH-1A 0.11294	2.94e3	100.1	NO
7	7 13C6-PFDA	1803653-03 DH-1A 0.11294	2.16e4	101.8	NO
8	8 13C7-PFUdA	1803653-03 DH-1A 0.11294	2.59e4	114.0	NO

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Name: 181127M1_70, Date: 28-Nov-2018, Time: 01:38:10, ID: 1803653-04 SW-2 0.11723, Description: SW-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803653-04 SW-2 0.11723	1.19e4	163.8	YES
2	2 13C5-PFHxA	1803653-04 SW-2 0.11723	2.30e4	102.8	NO
3	3 13C3-PFHxS	1803653-04 SW-2 0.11723	2.97e3	108.8	NO
4	4 13C8-PFOA	1803653-04 SW-2 0.11723	2.73e4	101.7	NO
5	5 13C9-PFNA	1803653-04 SW-2 0.11723	1.92e4	103.6	NO
6	6 13C4-PFOS	1803653-04 SW-2 0.11723	2.99e3	101.6	NO
7	7 13C6-PFDA	1803653-04 SW-2 0.11723	2.22e4	104.8	NO
8	8 13C7-PFUDa	1803653-04 SW-2 0.11723	2.59e4	113.8	NO

Name: 181127M1_71, Date: 28-Nov-2018, Time: 01:48:43, 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: 181127M1_72, Date: 28-Nov-2018, Time: 01:59:21, ID: ST181127M1-6 PFC CS3 18K1906, Description: PFC CS3 18K1906

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181127M1-6 PFC CS3 18K1906	8.91e3	122.7	NO
2	2 13C5-PFHxA	ST181127M1-6 PFC CS3 18K1906	2.98e4	133.0	NO
3	3 13C3-PFHxS	ST181127M1-6 PFC CS3 18K1906	3.60e3	131.8	NO
4	4 13C8-PFOA	ST181127M1-6 PFC CS3 18K1906	3.49e4	130.2	NO
5	5 13C9-PFNA	ST181127M1-6 PFC CS3 18K1906	2.41e4	130.3	NO
6	6 13C4-PFOS	ST181127M1-6 PFC CS3 18K1906	3.45e3	117.5	NO
7	7 13C6-PFDA	ST181127M1-6 PFC CS3 18K1906	2.73e4	128.8	NO
8	8 13C7-PFUDa	ST181127M1-6 PFC CS3 18K1906	3.20e4	140.6	NO

Name: 181127M1_73, Date: 28-Nov-2018, Time: 02:10:00, ID: IPA, Description: IPA

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

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Name: 181127M1_74, Date: 28-Nov-2018, Time: 02:20:31, ID: 1803653-05 Seep 0.11658, Description: Seep

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803653-05 Seep 0.11658	1.04e4	143.9	NO
2	2 13C5-PFHxA	1803653-05 Seep 0.11658	2.03e4	90.5	NO
3	3 13C3-PFHxS	1803653-05 Seep 0.11658	3.05e3	111.6	NO
4	4 13C8-PFOA	1803653-05 Seep 0.11658	2.37e4	88.4	NO
5	5 13C9-PFNA	1803653-05 Seep 0.11658	1.72e4	92.9	NO
6	6 13C4-PFOS	1803653-05 Seep 0.11658	3.14e3	107.0	NO
7	7 13C6-PFDA	1803653-05 Seep 0.11658	2.00e4	94.3	NO
8	8 13C7-PFUDa	1803653-05 Seep 0.11658	2.45e4	107.7	NO

Name: 181127M1_75, Date: 28-Nov-2018, Time: 02:31:10, ID: B8K0146-BS1 OPR 0.25, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0146-BS1 OPR 0.25	1.08e4	148.6	NO
2	2 13C5-PFHxA	B8K0146-BS1 OPR 0.25	2.06e4	91.9	NO
3	3 13C3-PFHxS	B8K0146-BS1 OPR 0.25	2.65e3	96.9	NO
4	4 13C8-PFOA	B8K0146-BS1 OPR 0.25	2.39e4	89.0	NO
5	5 13C9-PFNA	B8K0146-BS1 OPR 0.25	1.64e4	88.5	NO
6	6 13C4-PFOS	B8K0146-BS1 OPR 0.25	2.79e3	95.0	NO
7	7 13C6-PFDA	B8K0146-BS1 OPR 0.25	1.85e4	87.4	NO
8	8 13C7-PFUDa	B8K0146-BS1 OPR 0.25	2.07e4	90.9	NO

Name: 181127M1_76, Date: 28-Nov-2018, Time: 02:41:43, ID: B8K0146-BLK1 Method Blank 0.25, Description: Method Blank

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0146-BLK1 Method Blank 0.25	1.19e4	163.8	YES
2	2 13C5-PFHxA	B8K0146-BLK1 Method Blank 0.25	2.27e4	101.5	NO
3	3 13C3-PFHxS	B8K0146-BLK1 Method Blank 0.25	2.68e3	98.4	NO
4	4 13C8-PFOA	B8K0146-BLK1 Method Blank 0.25	2.56e4	95.5	NO
5	5 13C9-PFNA	B8K0146-BLK1 Method Blank 0.25	1.74e4	94.0	NO
6	6 13C4-PFOS	B8K0146-BLK1 Method Blank 0.25	2.63e3	89.6	NO
7	7 13C6-PFDA	B8K0146-BLK1 Method Blank 0.25	1.89e4	89.4	NO
8	8 13C7-PFUDa	B8K0146-BLK1 Method Blank 0.25	1.91e4	84.1	NO

Name: 181127M1_77, Date: 28-Nov-2018, Time: 02:52:22, ID: 1803692-01 SWIN1811071400GGA 0.22883, Description: SWIN1811071400GGA

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803692-01 SWIN1811071400GGA 0.2...	1.10e4	151.5	YES
2	2 13C5-PFHxA	1803692-01 SWIN1811071400GGA 0.2...	2.15e4	96.1	NO
3	3 13C3-PFHxS	1803692-01 SWIN1811071400GGA 0.2...	3.04e3	111.5	NO
4	4 13C8-PFOA	1803692-01 SWIN1811071400GGA 0.2...	2.52e4	94.0	NO
5	5 13C9-PFNA	1803692-01 SWIN1811071400GGA 0.2...	1.76e4	95.0	NO
6	6 13C4-PFOS	1803692-01 SWIN1811071400GGA 0.2...	2.99e3	101.7	NO
7	7 13C6-PFDA	1803692-01 SWIN1811071400GGA 0.2...	2.00e4	94.6	NO
8	8 13C7-PFUDa	1803692-01 SWIN1811071400GGA 0.2...	2.36e4	103.7	NO

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Name: 181127M1_78, Date: 28-Nov-2018, Time: 03:02:54, ID: 1803692-02 SWEF1811071430GGA 0.24623, Description: SWEF1811071430GGA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803692-02 SWEF1811071430GGA 0...	1.05e4	145.0	NO
2	2 13C5-PFHxA	1803692-02 SWEF1811071430GGA 0...	2.03e4	90.5	NO
3	3 13C3-PFHxS	1803692-02 SWEF1811071430GGA 0...	2.62e3	96.1	NO
4	4 13C8-PFOA	1803692-02 SWEF1811071430GGA 0...	2.40e4	89.7	NO
5	5 13C9-PFNA	1803692-02 SWEF1811071430GGA 0...	1.61e4	87.1	NO
6	6 13C4-PFOS	1803692-02 SWEF1811071430GGA 0...	2.59e3	88.3	NO
7	7 13C6-PFDA	1803692-02 SWEF1811071430GGA 0...	1.80e4	85.0	NO
8	8 13C7-PFUDa	1803692-02 SWEF1811071430GGA 0...	1.85e4	81.4	NO

Name: 181127M1_79, Date: 28-Nov-2018, Time: 03:13:33, ID: B8K0140-BS1 OPR 0.25, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0140-BS1 OPR 0.25	9.00e3	124.1	NO
2	2 13C5-PFHxA	B8K0140-BS1 OPR 0.25	1.73e4	77.4	NO
3	3 13C3-PFHxS	B8K0140-BS1 OPR 0.25	2.56e3	93.7	NO
4	4 13C8-PFOA	B8K0140-BS1 OPR 0.25	1.97e4	73.4	NO
5	5 13C9-PFNA	B8K0140-BS1 OPR 0.25	1.37e4	73.8	NO
6	6 13C4-PFOS	B8K0140-BS1 OPR 0.25	2.59e3	88.2	NO
7	7 13C6-PFDA	B8K0140-BS1 OPR 0.25	1.65e4	78.1	NO
8	8 13C7-PFUDa	B8K0140-BS1 OPR 0.25	1.94e4	85.2	NO

Name: 181127M1_80, Date: 28-Nov-2018, Time: 03:24:11, ID: B8K0140-BLK1 Method Blank 0.25, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8K0140-BLK1 Method Blank 0.25	8.62e3	118.7	NO
2	2 13C5-PFHxA	B8K0140-BLK1 Method Blank 0.25	1.61e4	72.1	NO
3	3 13C3-PFHxS	B8K0140-BLK1 Method Blank 0.25	2.40e3	88.0	NO
4	4 13C8-PFOA	B8K0140-BLK1 Method Blank 0.25	1.87e4	69.7	NO
5	5 13C9-PFNA	B8K0140-BLK1 Method Blank 0.25	1.32e4	71.3	NO
6	6 13C4-PFOS	B8K0140-BLK1 Method Blank 0.25	2.45e3	83.6	NO
7	7 13C6-PFDA	B8K0140-BLK1 Method Blank 0.25	1.56e4	73.7	NO
8	8 13C7-PFUDa	B8K0140-BLK1 Method Blank 0.25	1.86e4	81.8	NO

Name: 181127M1_81, Date: 28-Nov-2018, Time: 03:34:45, ID: 1803675-01 GW0110161811150925KER 0.2531, Description: GW0110161811150925KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-01 GW0110161811150925KE...	9.70e3	133.7	NO
2	2 13C5-PFHxA	1803675-01 GW0110161811150925KE...	1.90e4	84.7	NO
3	3 13C3-PFHxS	1803675-01 GW0110161811150925KE...	2.52e3	92.3	NO
4	4 13C8-PFOA	1803675-01 GW0110161811150925KE...	2.20e4	81.9	NO
5	5 13C9-PFNA	1803675-01 GW0110161811150925KE...	1.59e4	85.8	NO
6	6 13C4-PFOS	1803675-01 GW0110161811150925KE...	2.53e3	86.1	NO
7	7 13C6-PFDA	1803675-01 GW0110161811150925KE...	1.84e4	86.7	NO
8	8 13C7-PFUDa	1803675-01 GW0110161811150925KE...	2.06e4	90.6	NO

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Name: 181127M1_82, Date: 28-Nov-2018, Time: 03:45:23, ID: 1803675-02 GW0480531811151025KER 0.25333, Description: GW0480531811151025KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-02 GW0480531811151025KE...	8.32e3	114.7	NO
2	2 13C5-PFHxA	1803675-02 GW0480531811151025KE...	1.62e4	72.1	NO
3	3 13C3-PFHxS	1803675-02 GW0480531811151025KE...	2.37e3	86.8	NO
4	4 13C8-PFOA	1803675-02 GW0480531811151025KE...	1.99e4	74.4	NO
5	5 13C9-PFNA	1803675-02 GW0480531811151025KE...	1.42e4	76.8	NO
6	6 13C4-PFOS	1803675-02 GW0480531811151025KE...	2.30e3	78.2	NO
7	7 13C6-PFDA	1803675-02 GW0480531811151025KE...	1.62e4	76.4	NO
8	8 13C7-PFUDa	1803675-02 GW0480531811151025KE...	1.90e4	83.7	NO

Name: 181127M1_83, Date: 28-Nov-2018, Time: 03:56:01, ID: 1803675-03 EB11811151030MK 0.2493, Description: EB11811151030MK

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-03 EB11811151030MK 0.2493	9.28e3	127.9	NO
2	2 13C5-PFHxA	1803675-03 EB11811151030MK 0.2493	1.73e4	77.4	NO
3	3 13C3-PFHxS	1803675-03 EB11811151030MK 0.2493	2.64e3	96.6	NO
4	4 13C8-PFOA	1803675-03 EB11811151030MK 0.2493	2.06e4	76.6	NO
5	5 13C9-PFNA	1803675-03 EB11811151030MK 0.2493	1.44e4	77.9	NO
6	6 13C4-PFOS	1803675-03 EB11811151030MK 0.2493	2.77e3	94.2	NO
7	7 13C6-PFDA	1803675-03 EB11811151030MK 0.2493	1.80e4	85.2	NO
8	8 13C7-PFUDa	1803675-03 EB11811151030MK 0.2493	2.10e4	92.6	NO

Name: 181127M1_84, Date: 28-Nov-2018, Time: 04:06:34, ID: 1803675-04 GW0750801811151140KER 0.25044, Description: GW0750801811151140KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-04 GW0750801811151140KE...	8.86e3	122.1	NO
2	2 13C5-PFHxA	1803675-04 GW0750801811151140KE...	1.75e4	78.0	NO
3	3 13C3-PFHxS	1803675-04 GW0750801811151140KE...	2.43e3	88.9	NO
4	4 13C8-PFOA	1803675-04 GW0750801811151140KE...	2.04e4	75.9	NO
5	5 13C9-PFNA	1803675-04 GW0750801811151140KE...	1.46e4	78.6	NO
6	6 13C4-PFOS	1803675-04 GW0750801811151140KE...	2.62e3	89.3	NO
7	7 13C6-PFDA	1803675-04 GW0750801811151140KE...	1.72e4	81.4	NO
8	8 13C7-PFUDa	1803675-04 GW0750801811151140KE...	2.02e4	89.1	NO

Name: 181127M1_85, Date: 28-Nov-2018, Time: 04:17:12, ID: 1803675-05 GW0800851811151255KER 0.25087, Description: GW0800851811151255KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-05 GW0800851811151255KE...	9.60e3	132.3	NO
2	2 13C5-PFHxA	1803675-05 GW0800851811151255KE...	1.91e4	85.1	NO
3	3 13C3-PFHxS	1803675-05 GW0800851811151255KE...	2.63e3	96.5	NO
4	4 13C8-PFOA	1803675-05 GW0800851811151255KE...	2.13e4	79.6	NO
5	5 13C9-PFNA	1803675-05 GW0800851811151255KE...	1.57e4	84.9	NO
6	6 13C4-PFOS	1803675-05 GW0800851811151255KE...	2.63e3	89.4	NO
7	7 13C6-PFDA	1803675-05 GW0800851811151255KE...	1.85e4	87.4	NO
8	8 13C7-PFUDa	1803675-05 GW0800851811151255KE...	2.13e4	93.6	NO

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Name: 181127M1_86, Date: 28-Nov-2018, Time: 04:27:51, ID: 1803675-06 GW0850901811151405KER 0.24759, Description: GW0850901811151405KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-06 GW0850901811151405KE...	1.03e4	141.3	NO
2	2 13C5-PFHxA	1803675-06 GW0850901811151405KE...	1.95e4	86.9	NO
3	3 13C3-PFHxS	1803675-06 GW0850901811151405KE...	2.80e3	102.5	NO
4	4 13C8-PFOA	1803675-06 GW0850901811151405KE...	2.36e4	87.8	NO
5	5 13C9-PFNA	1803675-06 GW0850901811151405KE...	1.61e4	86.9	NO
6	6 13C4-PFOS	1803675-06 GW0850901811151405KE...	2.72e3	92.6	NO
7	7 13C6-PFDA	1803675-06 GW0850901811151405KE...	2.00e4	94.4	NO
8	8 13C7-PFUDa	1803675-06 GW0850901811151405KE...	2.21e4	97.2	NO

Name: 181127M1_87, Date: 28-Nov-2018, Time: 04:38:24, ID: 1803675-07 GW0920971811151535KER 0.24638, Description: GW0920971811151535KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-07 GW0920971811151535KE...	7.79e3	107.4	NO
2	2 13C5-PFHxA	1803675-07 GW0920971811151535KE...	1.57e4	69.9	NO
3	3 13C3-PFHxS	1803675-07 GW0920971811151535KE...	2.30e3	84.1	NO
4	4 13C8-PFOA	1803675-07 GW0920971811151535KE...	1.91e4	71.3	NO
5	5 13C9-PFNA	1803675-07 GW0920971811151535KE...	1.31e4	70.9	NO
6	6 13C4-PFOS	1803675-07 GW0920971811151535KE...	2.36e3	80.4	NO
7	7 13C6-PFDA	1803675-07 GW0920971811151535KE...	1.63e4	77.1	NO
8	8 13C7-PFUDa	1803675-07 GW0920971811151535KE...	1.81e4	79.8	NO

Name: 181127M1_88, Date: 28-Nov-2018, Time: 04:49:03, 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	7.14e0	0.0	YES
8	8 13C7-PFUDa	IPA			NO

Name: 181127M1_89, Date: 28-Nov-2018, Time: 04:59:41, ID: ST181127M1-7 PFC CS3 18K1906, Description: PFC CS3 18K1906

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181127M1-7 PFC CS3 18K1906	8.96e3	123.5	NO
2	2 13C5-PFHxA	ST181127M1-7 PFC CS3 18K1906	2.87e4	128.3	NO
3	3 13C3-PFHxS	ST181127M1-7 PFC CS3 18K1906	3.46e3	126.7	NO
4	4 13C8-PFOA	ST181127M1-7 PFC CS3 18K1906	3.24e4	120.7	NO
5	5 13C9-PFNA	ST181127M1-7 PFC CS3 18K1906	2.37e4	127.6	NO
6	6 13C4-PFOS	ST181127M1-7 PFC CS3 18K1906	3.67e3	124.8	NO
7	7 13C6-PFDA	ST181127M1-7 PFC CS3 18K1906	2.66e4	125.5	NO
8	8 13C7-PFUDa	ST181127M1-7 PFC CS3 18K1906	3.16e4	138.8	NO

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Name: 181127M1_90, Date: 28-Nov-2018, Time: 05:10:15, 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: 181127M1_91, Date: 28-Nov-2018, Time: 05:20:53, ID: 1803675-08 GW0971021811151650KER 0.24641, Description: GW0971021811151650KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-08 GW0971021811151650KE...	8.99e3	123.9	NO
2	2 13C5-PFHxA	1803675-08 GW0971021811151650KE...	1.74e4	77.9	NO
3	3 13C3-PFHxS	1803675-08 GW0971021811151650KE...	2.52e3	92.3	NO
4	4 13C8-PFOA	1803675-08 GW0971021811151650KE...	2.13e4	79.3	NO
5	5 13C9-PFNA	1803675-08 GW0971021811151650KE...	1.51e4	81.3	NO
6	6 13C4-PFOS	1803675-08 GW0971021811151650KE...	2.75e3	93.5	NO
7	7 13C6-PFDA	1803675-08 GW0971021811151650KE...	1.78e4	84.3	NO
8	8 13C7-PFUDa	1803675-08 GW0971021811151650KE...	2.03e4	89.4	NO

Name: 181127M1_92, Date: 28-Nov-2018, Time: 05:31:26, ID: 1803675-09 GW0230281811121610MK 0.25313, Description: GW0230281811121610MK

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-09 GW0230281811121610MK...	9.73e3	134.1	NO
2	2 13C5-PFHxA	1803675-09 GW0230281811121610MK...	1.91e4	85.3	NO
3	3 13C3-PFHxS	1803675-09 GW0230281811121610MK...	2.53e3	92.7	NO
4	4 13C8-PFOA	1803675-09 GW0230281811121610MK...	2.26e4	84.3	NO
5	5 13C9-PFNA	1803675-09 GW0230281811121610MK...	1.60e4	86.2	NO
6	6 13C4-PFOS	1803675-09 GW0230281811121610MK...	2.55e3	86.9	NO
7	7 13C6-PFDA	1803675-09 GW0230281811121610MK...	1.90e4	89.5	NO
8	8 13C7-PFUDa	1803675-09 GW0230281811121610MK...	2.11e4	92.7	NO

Name: 181127M1_93, Date: 28-Nov-2018, Time: 05:42:04, ID: 1803675-10 GW0280331811131655KER 0.24856, Description: GW0280331811131655KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-10 GW0280331811131655KE...	9.36e3	129.0	NO
2	2 13C5-PFHxA	1803675-10 GW0280331811131655KE...	1.86e4	83.1	NO
3	3 13C3-PFHxS	1803675-10 GW0280331811131655KE...	2.66e3	97.6	NO
4	4 13C8-PFOA	1803675-10 GW0280331811131655KE...	2.26e4	84.4	NO
5	5 13C9-PFNA	1803675-10 GW0280331811131655KE...	1.54e4	82.9	NO
6	6 13C4-PFOS	1803675-10 GW0280331811131655KE...	2.78e3	94.5	NO
7	7 13C6-PFDA	1803675-10 GW0280331811131655KE...	1.84e4	86.7	NO
8	8 13C7-PFUDa	1803675-10 GW0280331811131655KE...	2.23e4	98.0	NO

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Name: 181127M1_94, Date: 28-Nov-2018, Time: 05:52:42, ID: 1803675-11 GW0820871811141045KER 0.24842, Description: GW0820871811141045KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-11 GW0820871811141045KE...	8.58e3	118.3	NO
2	2 13C5-PFHxA	1803675-11 GW0820871811141045KE...	1.68e4	75.2	NO
3	3 13C3-PFHxS	1803675-11 GW0820871811141045KE...	2.47e3	90.5	NO
4	4 13C8-PFOA	1803675-11 GW0820871811141045KE...	2.06e4	77.0	NO
5	5 13C9-PFNA	1803675-11 GW0820871811141045KE...	1.52e4	82.3	NO
6	6 13C4-PFOS	1803675-11 GW0820871811141045KE...	2.50e3	84.9	NO
7	7 13C6-PFDA	1803675-11 GW0820871811141045KE...	1.72e4	81.0	NO
8	8 13C7-PFUDa	1803675-11 GW0820871811141045KE...	1.99e4	87.7	NO

Name: 181127M1_95, Date: 28-Nov-2018, Time: 06:03:15, ID: 1803675-12 FB1811141050KER 0.24655, Description: FB1811141050KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-12 FB1811141050KER 0.24655	9.89e3	136.2	NO
2	2 13C5-PFHxA	1803675-12 FB1811141050KER 0.24655	1.88e4	83.8	NO
3	3 13C3-PFHxS	1803675-12 FB1811141050KER 0.24655	2.67e3	97.7	NO
4	4 13C8-PFOA	1803675-12 FB1811141050KER 0.24655	2.22e4	82.7	NO
5	5 13C9-PFNA	1803675-12 FB1811141050KER 0.24655	1.57e4	84.9	NO
6	6 13C4-PFOS	1803675-12 FB1811141050KER 0.24655	2.76e3	94.0	NO
7	7 13C6-PFDA	1803675-12 FB1811141050KER 0.24655	1.88e4	88.9	NO
8	8 13C7-PFUDa	1803675-12 FB1811141050KER 0.24655	2.22e4	97.7	NO

Name: 181127M1_96, Date: 28-Nov-2018, Time: 06:13:53, ID: 1803675-13 GW0971021811141145KER 0.2461, Description: GW0971021811141145KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-13 GW0971021811141145KE...	8.07e3	111.2	NO
2	2 13C5-PFHxA	1803675-13 GW0971021811141145KE...	1.56e4	69.8	NO
3	3 13C3-PFHxS	1803675-13 GW0971021811141145KE...	2.36e3	86.4	NO
4	4 13C8-PFOA	1803675-13 GW0971021811141145KE...	1.93e4	71.9	NO
5	5 13C9-PFNA	1803675-13 GW0971021811141145KE...	1.37e4	74.2	NO
6	6 13C4-PFOS	1803675-13 GW0971021811141145KE...	2.40e3	81.8	NO
7	7 13C6-PFDA	1803675-13 GW0971021811141145KE...	1.65e4	77.7	NO
8	8 13C7-PFUDa	1803675-13 GW0971021811141145KE...	1.84e4	81.0	NO

Name: 181127M1_97, Date: 28-Nov-2018, Time: 06:24:32, ID: 1803675-14 GW0280331811141310KER 0.24685, Description: GW0280331811141310KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-14 GW0280331811141310KE...	8.58e3	118.2	NO
2	2 13C5-PFHxA	1803675-14 GW0280331811141310KE...	1.69e4	75.4	NO
3	3 13C3-PFHxS	1803675-14 GW0280331811141310KE...	2.24e3	82.2	NO
4	4 13C8-PFOA	1803675-14 GW0280331811141310KE...	1.97e4	73.6	NO
5	5 13C9-PFNA	1803675-14 GW0280331811141310KE...	1.42e4	76.7	NO
6	6 13C4-PFOS	1803675-14 GW0280331811141310KE...	2.37e3	80.7	NO
7	7 13C6-PFDA	1803675-14 GW0280331811141310KE...	1.66e4	78.5	NO
8	8 13C7-PFUDa	1803675-14 GW0280331811141310KE...	1.91e4	84.1	NO

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Name: 181127M1_98, Date: 28-Nov-2018, Time: 06:35:05, ID: 1803675-15 GW0890941811141415KER 0.24549, Description: GW0890941811141415KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-15 GW0890941811141415KE...	8.55e3	117.8	NO
2	2 13C5-PFHxA	1803675-15 GW0890941811141415KE...	1.69e4	75.5	NO
3	3 13C3-PFHxS	1803675-15 GW0890941811141415KE...	2.43e3	88.9	NO
4	4 13C8-PFOA	1803675-15 GW0890941811141415KE...	1.99e4	74.3	NO
5	5 13C9-PFNA	1803675-15 GW0890941811141415KE...	1.29e4	69.8	NO
6	6 13C4-PFOS	1803675-15 GW0890941811141415KE...	2.33e3	79.3	NO
7	7 13C6-PFDA	1803675-15 GW0890941811141415KE...	1.52e4	71.8	NO
8	8 13C7-PFUDa	1803675-15 GW0890941811141415KE...	1.73e4	76.2	NO

Name: 181127M1_99, Date: 28-Nov-2018, Time: 06:45:43, ID: 1803675-16 GW0991041811141615KER 0.24811, Description: GW0991041811141615KER

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-16 GW0991041811141615KE...	8.86e3	122.1	NO
2	2 13C5-PFHxA	1803675-16 GW0991041811141615KE...	1.73e4	77.1	NO
3	3 13C3-PFHxS	1803675-16 GW0991041811141615KE...	2.33e3	85.2	NO
4	4 13C8-PFOA	1803675-16 GW0991041811141615KE...	2.14e4	79.9	NO
5	5 13C9-PFNA	1803675-16 GW0991041811141615KE...	1.42e4	76.7	NO
6	6 13C4-PFOS	1803675-16 GW0991041811141615KE...	2.25e3	76.7	NO
7	7 13C6-PFDA	1803675-16 GW0991041811141615KE...	1.65e4	77.9	NO
8	8 13C7-PFUDa	1803675-16 GW0991041811141615KE...	1.93e4	85.1	NO

Name: 181127M1_100, Date: 28-Nov-2018, Time: 06:56:16, ID: 1803675-17 GW0991041811141620KER-FD 0.24325, Description: GW0991041811141620KER-FD

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803675-17 GW0991041811141620KE...	9.76e3	134.5	NO
2	2 13C5-PFHxA	1803675-17 GW0991041811141620KE...	1.92e4	85.9	NO
3	3 13C3-PFHxS	1803675-17 GW0991041811141620KE...	2.57e3	94.3	NO
4	4 13C8-PFOA	1803675-17 GW0991041811141620KE...	2.31e4	86.1	NO
5	5 13C9-PFNA	1803675-17 GW0991041811141620KE...	1.61e4	87.1	NO
6	6 13C4-PFOS	1803675-17 GW0991041811141620KE...	2.49e3	84.9	NO
7	7 13C6-PFDA	1803675-17 GW0991041811141620KE...	1.85e4	87.4	NO
8	8 13C7-PFUDa	1803675-17 GW0991041811141620KE...	2.06e4	90.8	NO

Name: 181127M1_101, Date: 28-Nov-2018, Time: 07:06:55, ID: QC MEOH LOT JB072509, Description: QC MEOH LOT JB072509

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	QC MEOH LOT JB072509	5.10e3	70.3	NO
2	2 13C5-PFHxA	QC MEOH LOT JB072509	2.34e4	104.5	NO
3	3 13C3-PFHxS	QC MEOH LOT JB072509	2.87e3	105.3	NO
4	4 13C8-PFOA	QC MEOH LOT JB072509	2.74e4	102.2	NO
5	5 13C9-PFNA	QC MEOH LOT JB072509	1.95e4	105.4	NO
6	6 13C4-PFOS	QC MEOH LOT JB072509	3.04e3	103.4	NO
7	7 13C6-PFDA	QC MEOH LOT JB072509	2.26e4	106.8	NO
8	8 13C7-PFUDa	QC MEOH LOT JB072509	2.46e4	108.4	NO

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Name: 181127M1_102, Date: 28-Nov-2018, Time: 07:17:28, 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: 181127M1_103, Date: 28-Nov-2018, Time: 07:28:06, ID: ST181127M1-8 PFC CS3 18K1906, Description: PFC CS3 18K1906

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181127M1-8 PFC CS3 18K1906	8.73e3	120.2	NO
2	2 13C5-PFHxA	ST181127M1-8 PFC CS3 18K1906	2.97e4	132.4	NO
3	3 13C3-PFHxS	ST181127M1-8 PFC CS3 18K1906	3.65e3	133.8	NO
4	4 13C8-PFOA	ST181127M1-8 PFC CS3 18K1906	3.39e4	126.2	NO
5	5 13C9-PFNA	ST181127M1-8 PFC CS3 18K1906	2.32e4	125.2	NO
6	6 13C4-PFOS	ST181127M1-8 PFC CS3 18K1906	3.61e3	122.8	NO
7	7 13C6-PFDA	ST181127M1-8 PFC CS3 18K1906	2.84e4	134.0	NO
8	8 13C7-PFUdA	ST181127M1-8 PFC CS3 18K1906	2.99e4	131.6	NO

Name: 181127M1_104, Date: 28-Nov-2018, Time: 07:38:39, ID: IPA, Description: IPA

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

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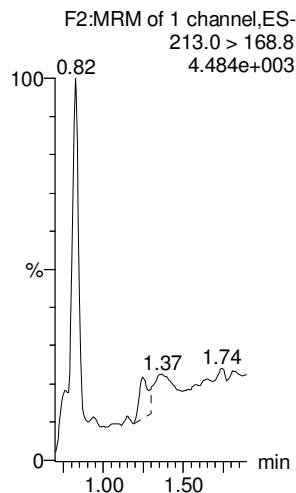
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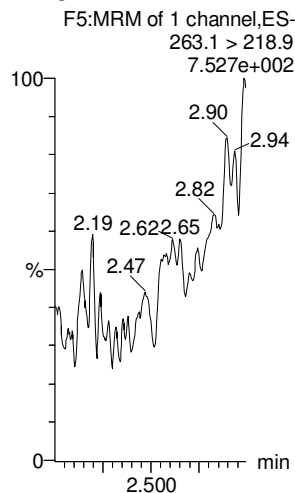
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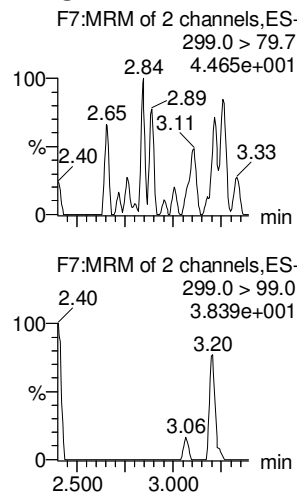
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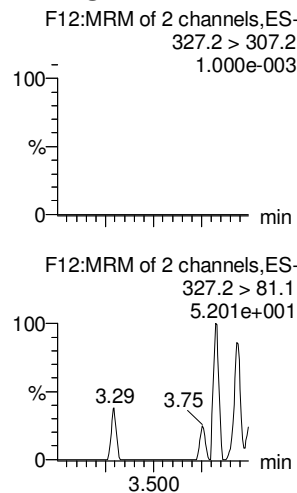
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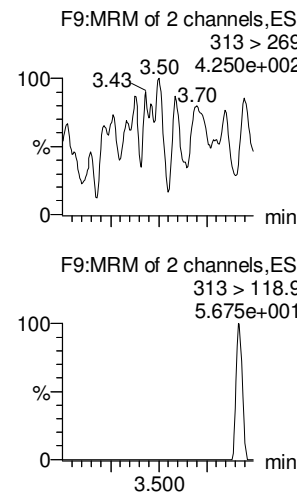
PFBS



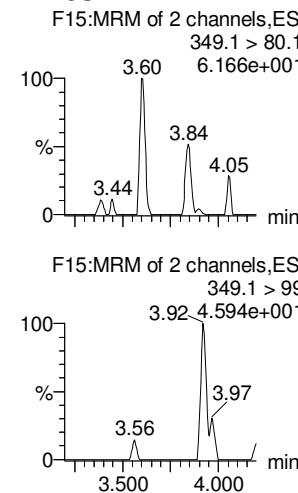
4:2 FTS



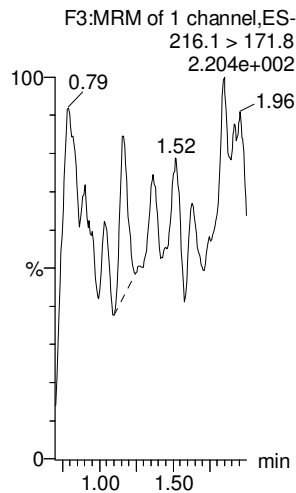
PFHxA



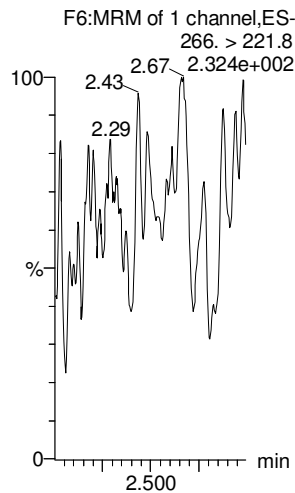
PFPeS



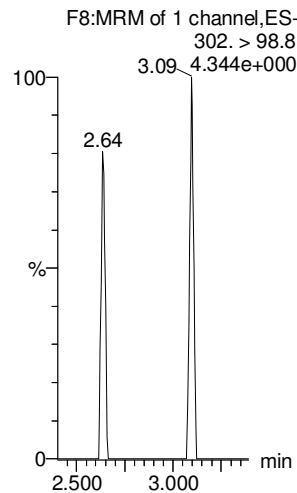
13C3-PFBA



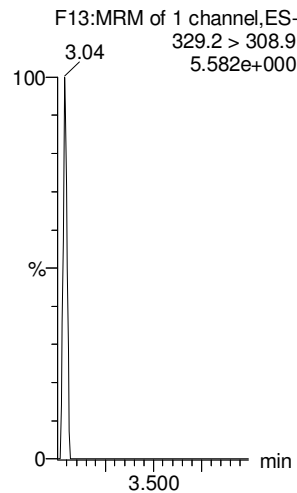
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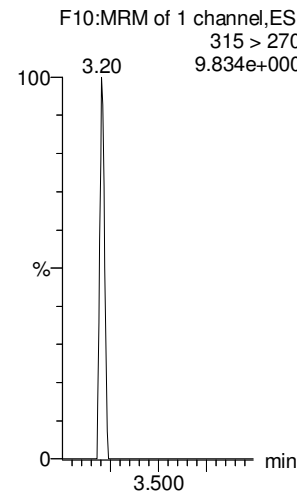
13C3-PFBS



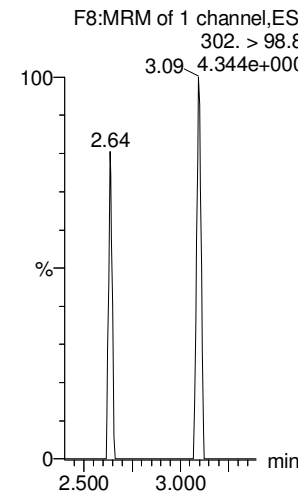
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



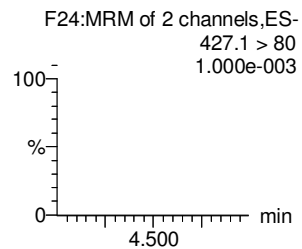
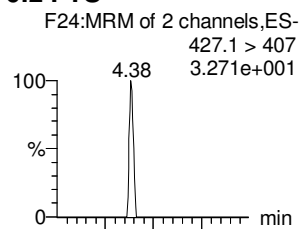
Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-4.qld

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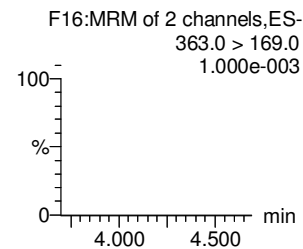
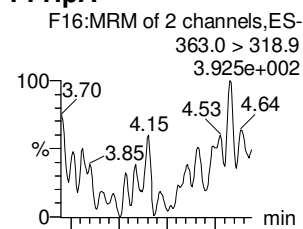
Printed: Wednesday, November 28, 2018 08:04:51 Pacific Standard Time

Name: 181127M1_4, Date: 27-Nov-2018, Time: 12:43:32, ID: IPA, Description: IPA

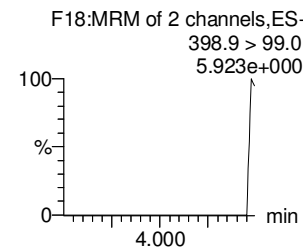
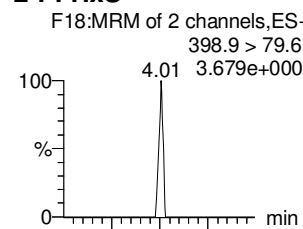
6:2 FTS



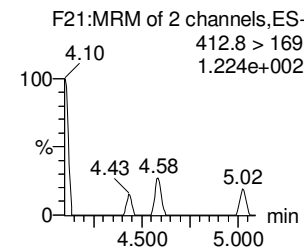
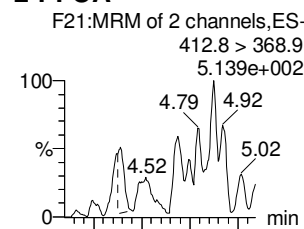
PFHpA



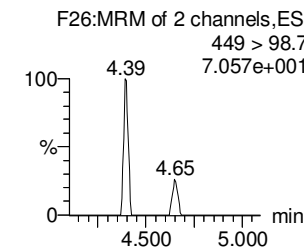
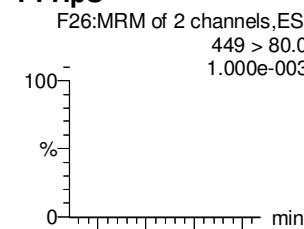
L-PFHxS



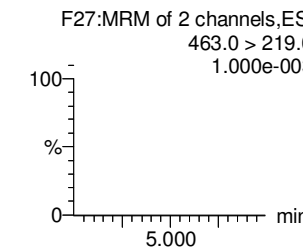
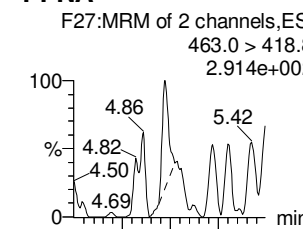
L-PFOA



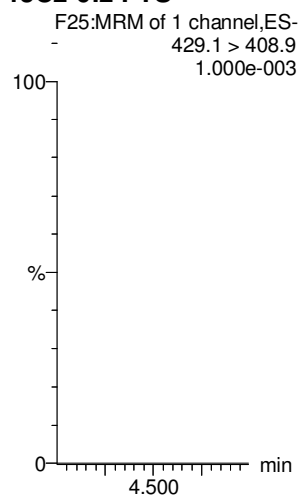
PFHpS



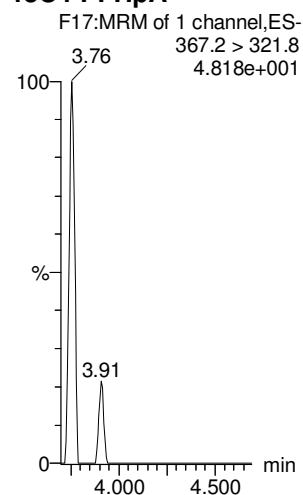
PFNA



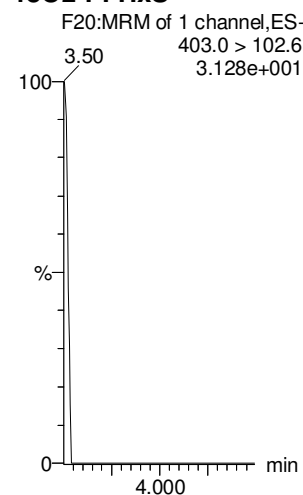
13C2-6:2 FTS



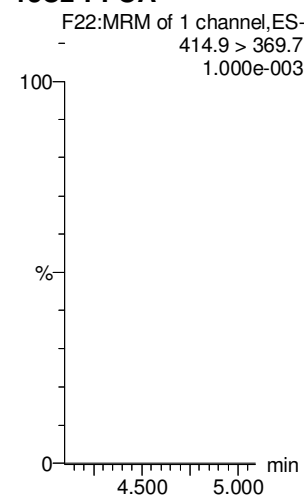
13C4-PFHpA



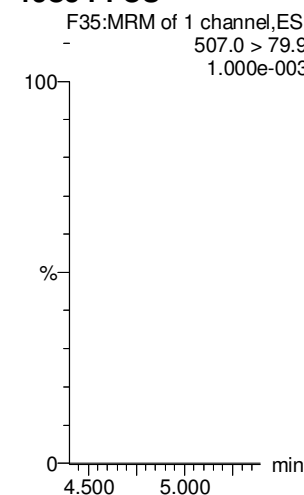
18O2-PFHxS



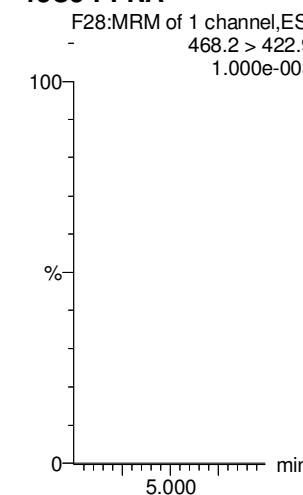
13C2-PFOA



13C8-PFOS



13C5-PFNA



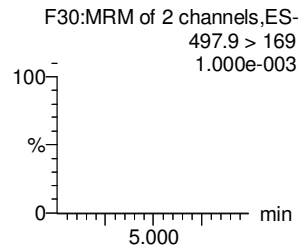
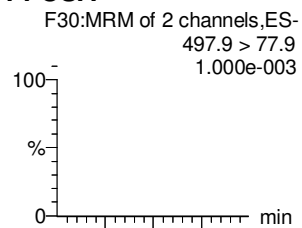
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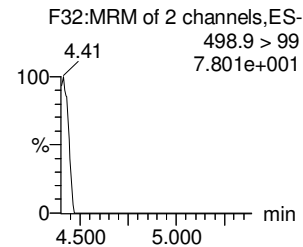
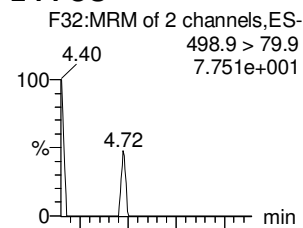
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Name: 181127M1_4, Date: 27-Nov-2018, Time: 12:43:32, ID: IPA, Description: IPA

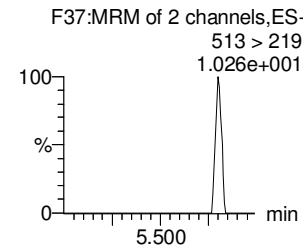
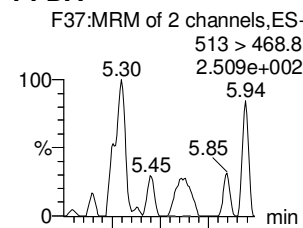
PFOSA



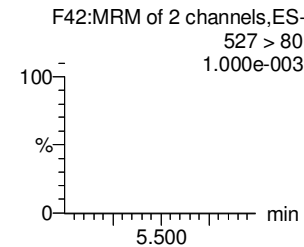
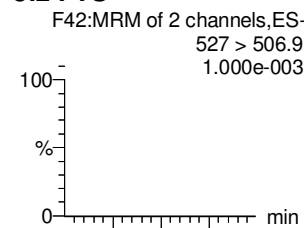
L-PFOS



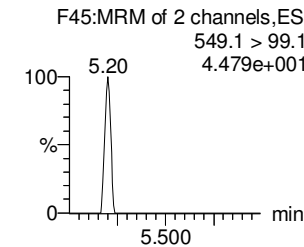
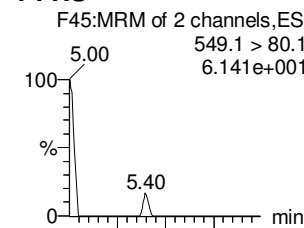
PFDA



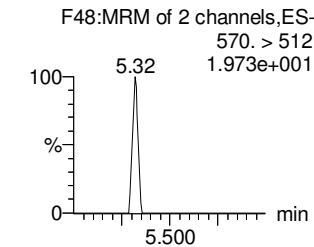
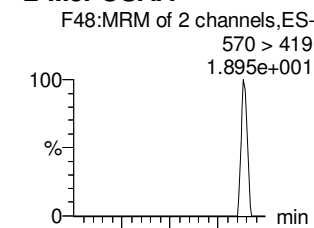
8:2 FTS



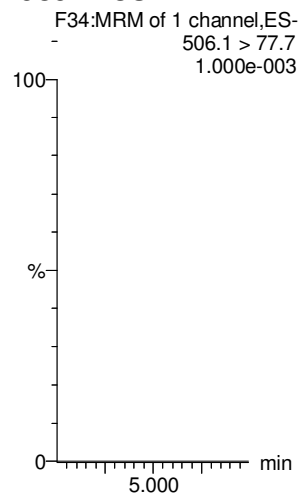
PFNS



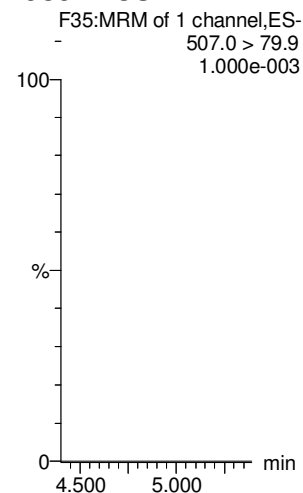
L-MeFOSAA



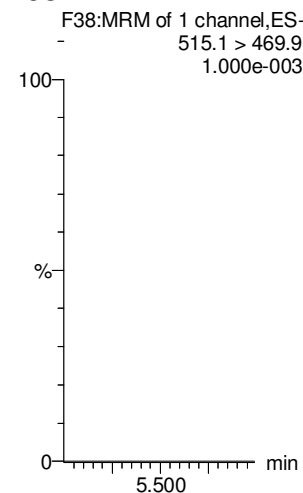
13C8-PFOA



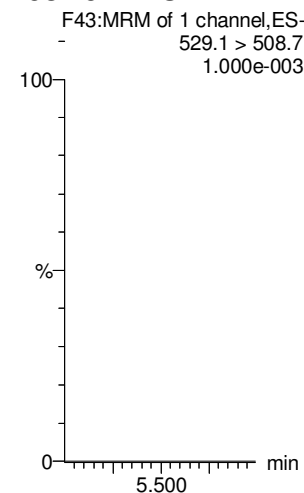
13C8-PFOS



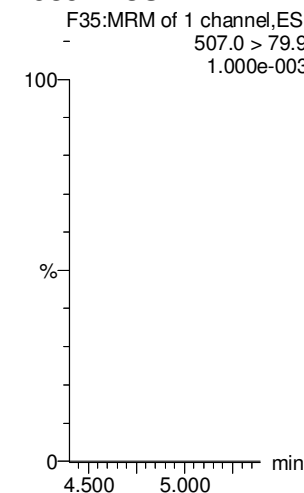
13C2-PFDA



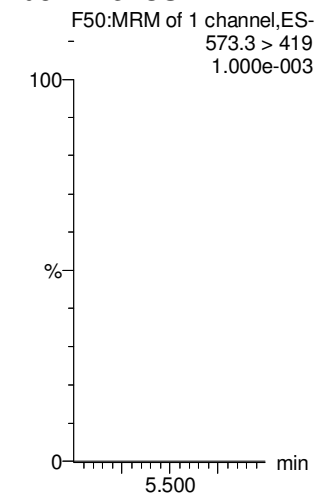
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



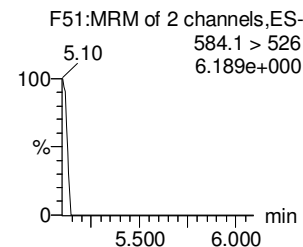
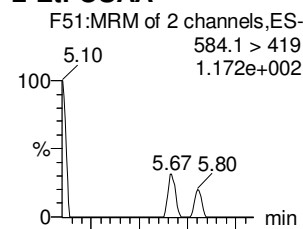
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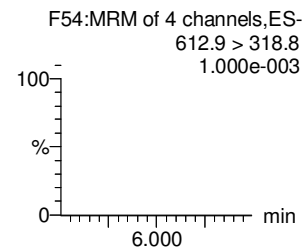
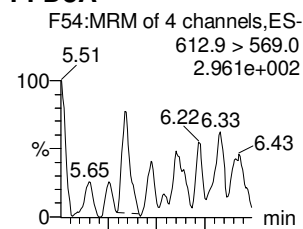
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Name: 181127M1_4, Date: 27-Nov-2018, Time: 12:43:32, ID: IPA, Description: IPA

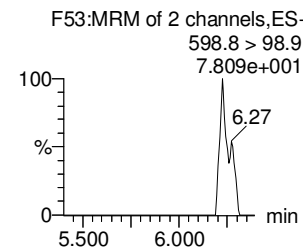
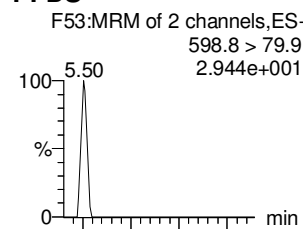
L-EtFOSAA



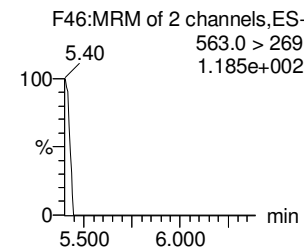
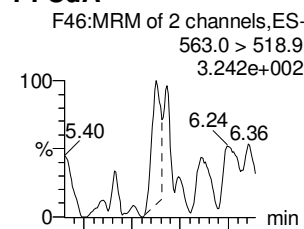
PFDoA



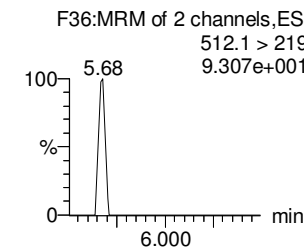
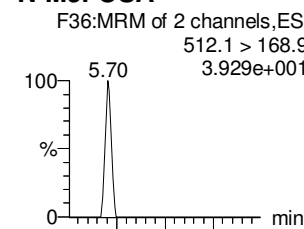
PFDS



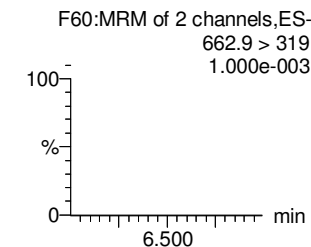
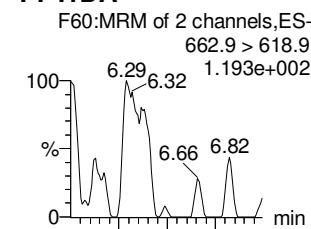
PFUdA



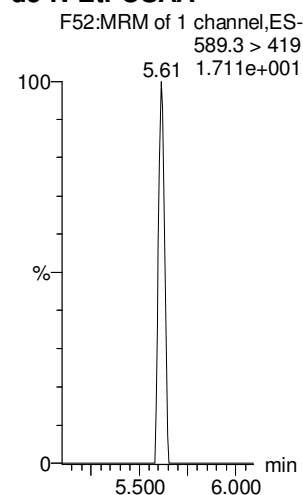
N-MeFOSA



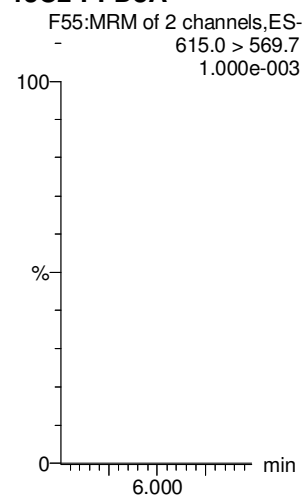
PFTrDA



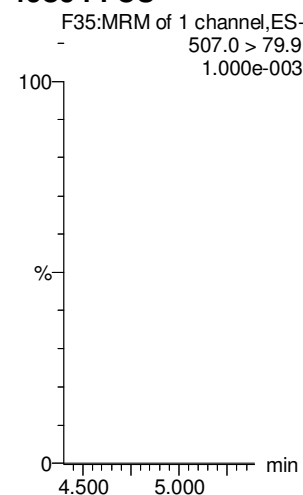
d5-N-EtFOSAA



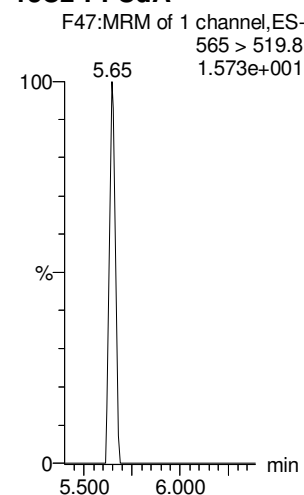
13C2-PFDoA



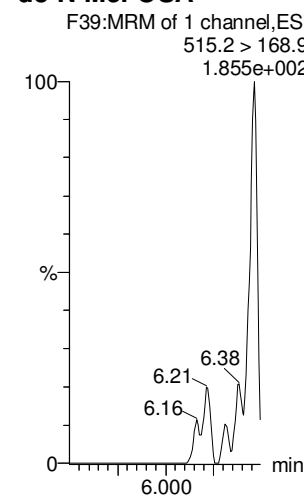
13C8-PFOS



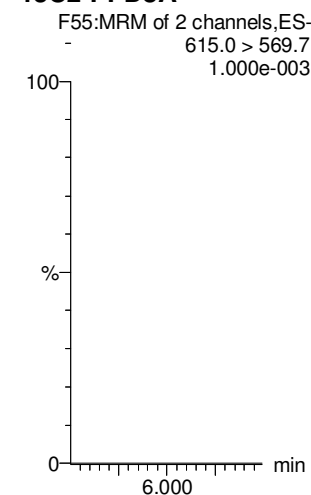
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-4.qld

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Name: 181127M1_4, Date: 27-Nov-2018, Time: 12:43:32, ID: IPA, Description: IPA

PFTeDA

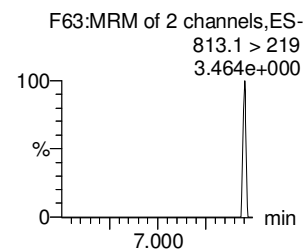
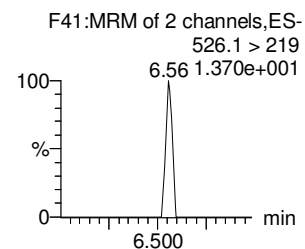
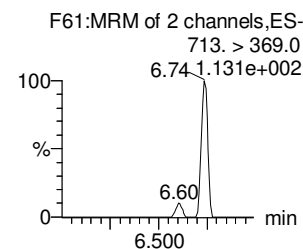
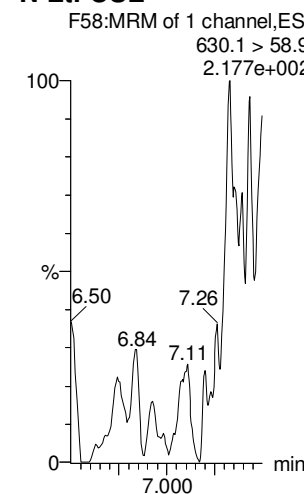
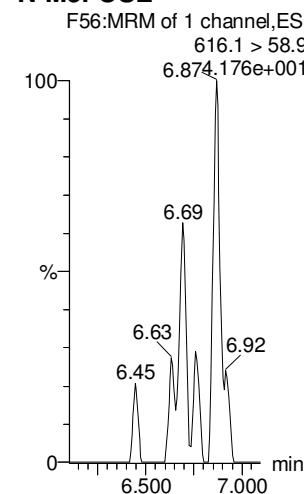
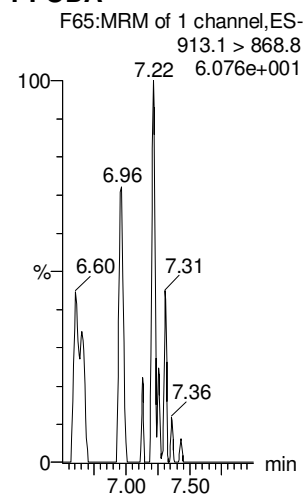
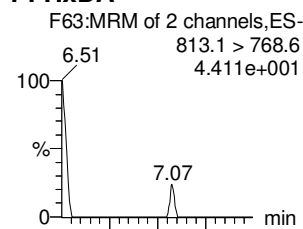
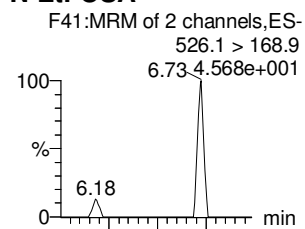
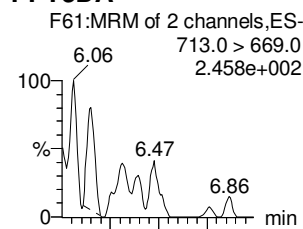
N-EtFOSA

PFHxDA

PFODA

N-MeFOSE

N-EtFOSE



13C2-PFTeDA

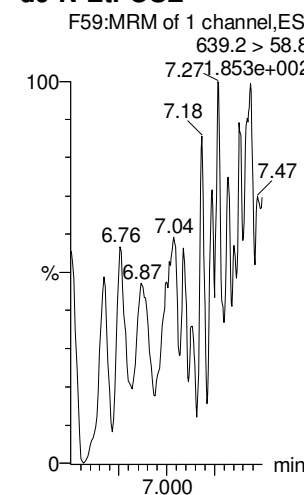
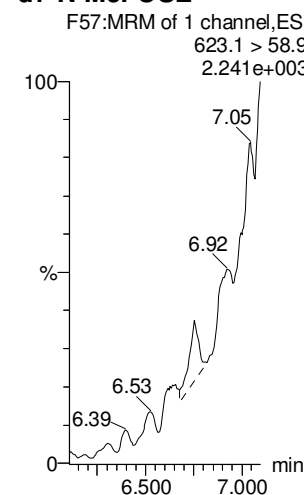
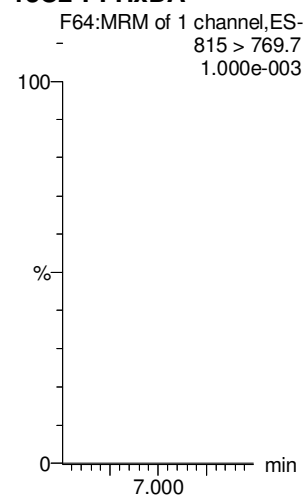
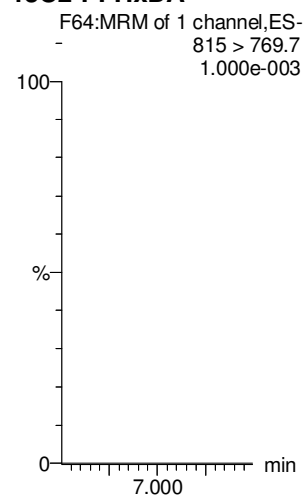
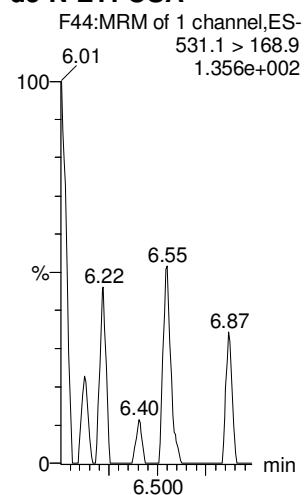
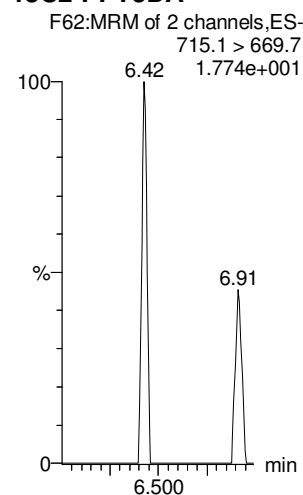
d5-N-ETFOSA

13C2-PFHxDA

13C2-PFHxDA

d7-N-MeFOSE

d9-N-EtFOSE



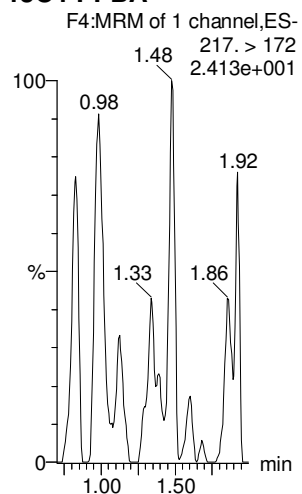
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Last Altered: Wednesday, November 28, 2018 08:04:22 Pacific Standard Time

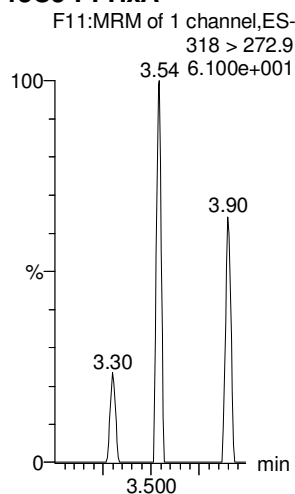
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Name: 181127M1_4, Date: 27-Nov-2018, Time: 12:43:32, ID: IPA, Description: IPA

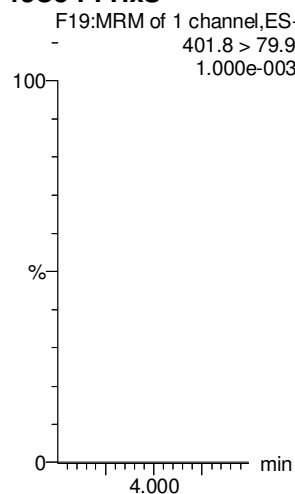
13C4-PFBA



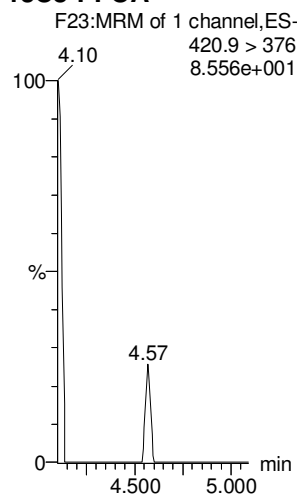
13C5-PFHxA



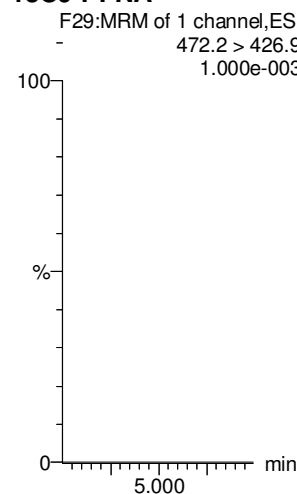
13C3-PFHxS



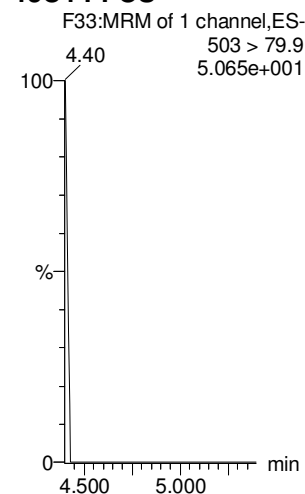
13C8-PFOA



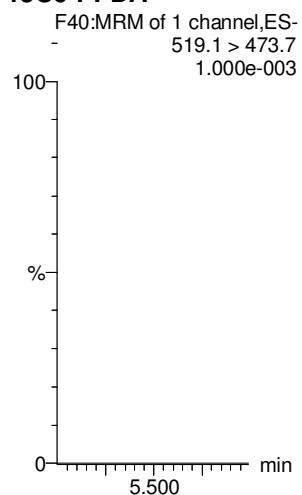
13C9-PFNA



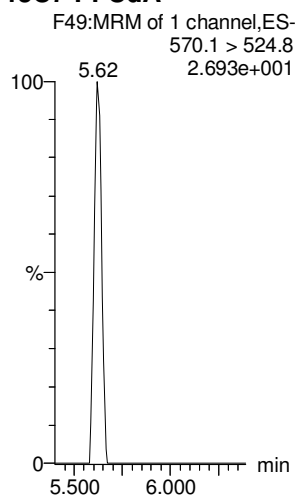
13C4-PFOS



13C6-PFDA



13C7-PFUdA



LC Calibration Standards Review Checklist

Q4

Calibration ID:	ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	
ST181127MI-1 (LMH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-2 (LMH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-3 (LMH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-4 (LMH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-5 (LMH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-6 (LMH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-7 (LMH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-8 (LMH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LMH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LMH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NA

Full Mass Cal. Date: 20181126 ^{MJT} 11/28/18
11-26-18

Run Log Present:

of Samples per Sequence Checked:

Instrument Blank Saved:

IIS Area Saved:

Reviewed By: AD 11/28/18
Initials/Date

Comments:

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-2.qld

Last Altered: Wednesday, November 28, 2018 07:31:25 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:32:02 Pacific Standard Time

JAD 11/28/18

Name: 181127M1_2, Date: 27-Nov-2018, Time: 12:22:15, ID: ST181127M1-1 PFC CS0 18K1903, Description: PFC CS0 18K1903

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	577.334	5788.080	1.00	1.20	1.247	1.0	101.2	NO		
2	2 PFPeA	263.1 > 218.9	978.693	12099.848	1.00	2.41	1.011	1.0	100.0	NO		
3	3 PFBS	299.0 > 79.7	242.985	1498.232	1.00	2.76	2.027	1.0	96.9	NO	2.465	NO
4	4 4:2 FTS	327.2>307.2	341.344	4049.204	1.00	3.24	1.054	1.0	95.5	NO	1.501	NO
5	5 PFHxA	313 > 269	1703.856	8806.086	1.00	3.32	0.967	1.0	97.3	NO	14.041	NO
6	6 PFPeS	349.1>80.1	169.081	1498.232	1.00	3.55	1.411	0.8	82.6	NO	1.400	NO
7	36 13C3-PFBA	216.1 > 171.8	5788.080	7256.258	1.00	1.20	9.971	12.7	101.3	NO		
8	37 13C3-PFPeA	266. > 221.8	12099.848	22400.566	1.00	2.41	6.752	12.1	97.2	NO		
9	38 13C3-PFBS	302. > 98.8	1498.232	2729.253	1.00	2.76	6.862	12.8	102.2	NO		
10	39 13C2-4:2 FTS	329.2>308.9	4049.204	2729.253	1.00	3.24	18.545	12.5	100.4	NO		
11	40 13C2-PFHxA	315 > 270	8806.086	22400.566	1.00	3.32	4.914	5.0	99.4	NO		
12	38 13C3-PFBS	302. > 98.8	1498.232	2729.253	1.00	2.76	6.862	12.8	102.2	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	439.597	4411.112	1.00	4.43	1.246	0.9	94.4	NO	2.966	NO
15	7 PFHpA	363.0 > 318.9	1270.390	11376.847	1.00	4.00	1.396	1.0	99.9	NO	14.880	NO
16	8 L-PFHxS	398.9 > 79.6	178.184	1197.294	1.00	4.13	1.860	1.0	95.7	NO	2.034	NO
17	11 L-PFOA	412.8 > 368.9	2294.727	20417.268	1.00	4.48	1.405	0.9	91.9	NO	3.184	NO
18	13 PFHpS	449 > 80.0	220.475	3007.491	1.00	4.59	0.916	0.9	91.9	NO	1.865	NO
19	14 PFNA	463.0 > 418.8	1992.297	18353.252	1.00	4.91	1.357	1.1	105.0	NO	5.316	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	4411.112	2937.737	1.00	4.43	18.769	12.0	96.1	NO		
21	41 13C4-PFHpA	367.2 > 321.8	11376.847	22400.566	1.00	3.99	6.349	11.8	94.7	NO		
22	42 18O2-PFHxS	403.0 > 102.6	1197.294	2729.253	1.00	4.13	5.484	12.2	97.9	NO		
23	44 13C2-PFOA	414.9 > 369.7	20417.268	26824.303	1.00	4.48	9.514	12.6	100.8	NO		
24	47 13C8-PFOS	507.0 > 79.9	3007.491	2937.737	1.00	5.00	12.797	12.3	98.3	NO		
25	45 13C5-PFNA	468.2 > 422.9	18353.252	18532.588	1.00	4.91	12.379	12.5	100.0	NO		
26	-1											
27	15 PFOSA	497.9 > 77.9	197.764	2245.646	1.00	4.96	1.101	1.0	98.7	NO	32.304	NO
28	16 L-PFOS	498.9 > 79.9	286.087	3007.491	1.00	5.00	1.189	1.0	104.4	NO	2.556	NO
29	18 PFDA	513 > 468.8	2062.660	18489.143	1.00	5.30	1.395	1.0	104.1	NO	7.395	NO
30	19 8:2 FTS	527 > 506.9	432.934	3574.510	1.00	5.26	1.514	0.9	93.6	NO	2.559	NO
31	20 PFNS	549.1 > 80.1	195.700	3007.491	1.00	5.36	0.813	1.0	99.7	NO	1.755	NO
32	21 L-MeFOSAA	570 > 419	704.380	2988.858	1.00	5.45	2.946	1.0	98.4	NO	2.879	NO
33	46 13C8-PFOSA	506.1 > 77.7	2245.646	22725.342	1.00	4.96	1.235	12.7	101.7	NO		
34	47 13C8-PFOS	507.0 > 79.9	3007.491	2937.737	1.00	5.00	12.797	12.3	98.3	NO		
35	48 13C2-PFDA	515.1 > 469.9	18489.143	21171.957	1.00	5.30	10.916	12.1	96.8	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	3574.510	2937.737	1.00	5.26	15.209	12.9	103.3	NO		

MJT 11/28/2018

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-2.qld

Last Altered: Wednesday, November 28, 2018 07:31:25 Pacific Standard Time

Printed: Wednesday, November 28, 2018 07:32:02 Pacific Standard Time

Name: 181127M1_2, Date: 27-Nov-2018, Time: 12:22:15, ID: ST181127M1-1 PFC CS0 18K1903, Description: PFC CS0 18K1903

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47 13C8-PFOS	507.0 > 79.9	3007.491	2937.737	1.00	5.00	12.797	12.3	98.3	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	2988.858	22725.342	1.00	5.44	1.644	12.2	97.7	NO		
39	-1											
40	23 L-EiFOSAA	584.1 > 419	557.745	3895.362	1.00	5.61	1.790	1.1	107.3	NO	1.470	NO
41	27 PFD _o A	612.9 > 569.0	1993.174	21987.939	1.00	5.91	1.133	0.9	91.8	NO	10.778	NO
42	26 PFDS	598.8 > 79.9	217.631	3007.491	1.00	5.67	0.905	0.9	85.1	NO	1.679	NO
43	25 PFU _d A	563.0 > 518.9	1860.542	22463.137	1.00	5.62	1.035	1.0	99.4	NO	9.736	NO
44	28 N-MeFOSA	512.1 > 168.9	388.099	9998.881	1.00	5.90	5.822	5.6	112.3	NO	1.390	NO
45	29 PFT _r DA	662.9 > 618.9	2169.976	21987.939	1.00	6.16	1.234	1.0	100.8	NO	25.184	NO
46	52 d5-N-EiFOSAA	589.3 > 419	3895.362	22725.342	1.00	5.61	2.143	11.6	92.5	NO		
47	53 13C2-PFD _o A	615.0 > 569.7	21987.939	21171.957	1.00	5.91	12.982	12.4	99.2	NO		
48	47 13C8-PFOS	507.0 > 79.9	3007.491	2937.737	1.00	5.00	12.797	12.3	98.3	NO		
49	51 13C2-PFU _d A	565 > 519.8	22463.137	22725.342	1.00	5.63	12.356	12.9	103.3	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	9998.881	22725.342	1.00	5.94	5.500	149.8	99.9	NO		
51	53 13C2-PFD _o A	615.0 > 569.7	21987.939	21171.957	1.00	5.91	12.982	12.4	99.2	NO		
52	-1											
53	30 PFT _e DA	713.0 > 669.0	1849.566	13371.332	1.00	6.37	1.729	1.0	100.7	NO	12.706	NO
54	31 N-EiFOSA	526.1 > 168.9	488.829	15986.600	1.00	6.40	4.587	4.9	98.8	NO	1.589	NO
55	32 PFH _x DA	813.1 > 768.6	728.777	6915.183	1.00	6.72	0.527	1.2	116.2	NO	28.768	YES
56	33 PFODA	913.1 > 868.8	1105.133	6915.183	1.00	6.96	0.799	1.1	109.6	NO		
57	34 N-MeFOSE	616.1 > 58.9	267.748	8512.178	1.00	6.69	4.718	4.7	94.6	NO		
58	35 N-EiFOSE	630.1 > 58.9	319.139	7766.781	1.00	6.84	6.164	5.1	101.8	NO		
59	55 13C2-PFT _e DA	715.1 > 669.7	13371.332	22725.342	1.00	6.37	7.355	13.0	103.8	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	15986.600	22725.342	1.00	6.43	8.793	150.8	100.5	NO		
61	57 13C2-PFH _x DA	815 > 769.7	6915.183	22725.342	1.00	6.72	3.804	5.1	102.0	NO		
62	57 13C2-PFH _x DA	815 > 769.7	6915.183	22725.342	1.00	6.72	3.804	5.1	102.0	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	8512.178	22725.342	1.00	6.68	4.682	148.0	98.7	NO		
64	59 d9-N-EiFOSE	639.2 > 58.8	7766.781	22725.342	1.00	6.83	4.272	143.2	95.5	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	7256.258	7256.258	1.00	1.19	12.500	12.5	100.0	NO		
67	61 13C5-PFH _x A	318 > 272.9	22400.566	22400.566	1.00	3.32	12.500	12.5	100.0	NO		
68	62 13C3-PFH _x S	401.8 > 79.9	2729.253	2729.253	1.00	4.13	12.500	12.5	100.0	NO		
69	63 13C8-PFOA	420.9 > 376	26824.303	26824.303	1.00	4.48	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	18532.588	18532.588	1.00	4.91	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	2937.737	2937.737	1.00	5.00	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	21171.957	21171.957	1.00	5.30	12.500	12.5	100.0	NO		

MJT 11/28/2018

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-2.qld

Last Altered: Wednesday, November 28, 2018 07:31:25 Pacific Standard Time

Printed: Wednesday, November 28, 2018 07:32:02 Pacific Standard Time

Name: 181127M1_2, Date: 27-Nov-2018, Time: 12:22:15, ID: ST181127M1-1 PFC CS0 18K1903, Description: PFC CS0 18K1903

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
73	67 13C7-PFUdA	570.1 > 524.8	22725.342	22725.342	1.00	5.62	12.500	12.5	100.0		NO	

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-9.qld

Last Altered: Wednesday, November 28, 2018 07:06:39 Pacific Standard Time

Printed: Wednesday, November 28, 2018 07:07:59 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112718.mdb 28 Nov 2018 07:06:35

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Name: 181127M1_9, Date: 27-Nov-2018, Time: 13:36:33, ID: ST181127M1-2 PFC CS3 18K1906, Description: PFC CS3 18K1906

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.653	NO
4	4:2 FTS	1.678	NO
5	PFHxA	15.387	NO
6	PFPeS	1.569	NO
7	PFHpA	13.798	NO
8	L-PFHxS	1.572	NO
9	6:2 FTS	2.980	NO
10	L-PFOA	3.389	NO
11	PFHpS	1.758	NO
12	PFNA	4.593	NO
13	PFOSA	36.760	NO
14	L-PFOS	1.857	NO
15	PFDA	5.620	NO
16	8:2 FTS	2.416	NO
17	PFNS	1.633	NO
18	L-MeFOSAA	2.648	NO
19	L-EtFOSAA	1.441	NO

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11/28/18*

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-9.qld

Last Altered: Wednesday, November 28, 2018 07:06:39 Pacific Standard Time

Printed: Wednesday, November 28, 2018 07:08:14 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112718.mdb 28 Nov 2018 07:06:35

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Name: 181127M1_9, Date: 27-Nov-2018, Time: 13:36:33, ID: ST181127M1-2 PFC CS3 18K1906, Description: PFC CS3 18K1906

	Name	Ion Ratio	Ratio out?
1	PFUdA	10.122	NO
2	PFDS	1.608	NO
3	PFDoA	8.212	NO
4	N-MeFOSA	1.547	NO
5	PFTrDA	22.771	NO
6	PFTeDA	12.587	NO
7	N-EtFOSA	1.616	NO
8	PFHxDA	17.774	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

MT
11/28/18

Dataset: Untitled

Last Altered: Wednesday, November 28, 2018 08:06:15 Pacific Standard Time

Printed: Wednesday, November 28, 2018 08:06:22 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112718.mdb 28 Nov 2018 07:06:35

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 181127M1_1	IPA	27-Nov-18	12:11:38
2	2 181127M1_2	ST181127M1-1 PFC CS0 18K1903	27-Nov-18	12:22:15
3	3 181127M1_3	QC MEOH LOT JB072509	27-Nov-18	12:32:54
4	4 181127M1_4	IPA	27-Nov-18	12:43:32
5	5 181127M1_5	1803659-01 A1-MW-07-SA2 0.11704	27-Nov-18	12:54:05
6	6 181127M1_6	1803659-02 A1-MW-23-SA2 0.1178	27-Nov-18	13:04:43
7	7 181127M1_7	1803659-03 A1-MW-25-SA2 0.11426	27-Nov-18	13:15:22
8	8 181127M1_8	IPA	27-Nov-18	13:25:54
9	9 181127M1_9	ST181127M1-2 PFC CS3 18K1906	27-Nov-18	13:36:33
10	10 181127M1_10	IPA	27-Nov-18	13:47:11
11	11 181127M1_11	1803553-04 BS1810291445GC 3.51	27-Nov-18	15:12:40
12	12 181127M1_12	IPA	27-Nov-18	15:23:15
13	13 181127M1_13	B8K0162-MS1 Matrix Spike 0.11696	27-Nov-18	15:33:53
14	14 181127M1_14	B8K0162-MSD1 Matrix Spike Dup 0.11463	27-Nov-18	15:44:27
15	15 181127M1_15	B8K0162-BS1 OPR 0.125	27-Nov-18	15:55:05
16	16 181127M1_16	B8K0162-BLK1 Method Blank 0.125	27-Nov-18	16:05:38
17	17 181127M1_17	1803677-01 OC-RW05-1118 0.1159	27-Nov-18	16:16:16
18	18 181127M1_18	1803677-02 OC-RW05P-1118 0.11752	27-Nov-18	16:26:49
19	19 181127M1_19	1803677-03 OC-FB05-1118 0.12187	27-Nov-18	16:37:27
20	20 181127M1_20	B8K0098-BS1 OPR 0.125	27-Nov-18	16:48:00
21	21 181127M1_21	B8K0098-BLK1 Method Blank 0.125	27-Nov-18	16:58:38
22	22 181127M1_22	1803630-01 277 Bond Rd 0.10443	27-Nov-18	17:09:12
23	23 181127M1_23	1803630-02 292 Bond Rd 0.11197	27-Nov-18	17:19:51
24	24 181127M1_24	1803630-03 110 Phinney Rd 0.10702	27-Nov-18	17:30:29
25	25 181127M1_25	1803630-04 305 Bond Rd 0.10908	27-Nov-18	17:41:02
26	26 181127M1_26	1803630-05 122 Phinney Rd 0.11013	27-Nov-18	17:51:40
27	27 181127M1_27	1803630-06 123 Phinney Rd 0.09851	27-Nov-18	18:02:13
28	28 181127M1_28	IPA	27-Nov-18	18:12:52
29	29 181127M1_29	ST181127M1-3 PFC CS3 18K1906	27-Nov-18	18:23:26
30	30 181127M1_30	IPA	27-Nov-18	18:34:04
31	31 181127M1_31	1803630-07 277 Bond Rd FRB 0.11327	27-Nov-18	18:44:37
32	32 181127M1_32	B8K0105-BS1 OPR 0.125	27-Nov-18	18:55:15

Dataset: Untitled

Last Altered: Wednesday, November 28, 2018 08:06:15 Pacific Standard Time
 Printed: Wednesday, November 28, 2018 08:06:22 Pacific Standard Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 181127M1_33	B8K0105-BLK1 Method Blank 0.125	27-Nov-18	19:05:49
34	34 181127M1_34	1803643-01 DPH-MW10-17 0.11455	27-Nov-18	19:16:27
35	35 181127M1_35	1803643-02 DPH-MW8-17 0.11432	27-Nov-18	19:27:05
36	36 181127M1_36	1803643-03 DPH-MW5-17 0.11778	27-Nov-18	19:37:44
37	37 181127M1_37	1803643-04 DPH-MW9-17 0.11197	27-Nov-18	19:48:16
38	38 181127M1_38	1803643-05 DPH-MW4-17 0.11305	27-Nov-18	19:58:55
39	39 181127M1_39	1803643-06 DPH-MW2-17 0.11423	27-Nov-18	20:09:28
40	40 181127M1_40	1803643-07 DPH-B5 0.11397	27-Nov-18	20:20:06
41	41 181127M1_41	1803643-08 DPH-MW1-17 0.1163	27-Nov-18	20:30:44
42	42 181127M1_42	1803643-09 DPH-EX4 0.11442	27-Nov-18	20:41:18
43	43 181127M1_43	IPA	27-Nov-18	20:51:56
44	44 181127M1_44	ST181127M1-4 PFC CS3 18K1906	27-Nov-18	21:02:28
45	45 181127M1_45	IPA	27-Nov-18	21:13:06
46	46 181127M1_46	1803645-01 DPH-MW6 0.11548	27-Nov-18	21:23:39
47	47 181127M1_47	1803645-02 DPH-MW21 0.11562	27-Nov-18	21:34:18
48	48 181127M1_48	1803645-03 DPH-MW15D 0.11807	27-Nov-18	21:44:56
49	49 181127M1_49	1803645-04 DPH-MW22 0.11748	27-Nov-18	21:55:28
50	50 181127M1_50	1803649-01 DPH-MW18 0.11992	27-Nov-18	22:06:07
51	51 181127M1_51	1803649-02 DPH-MW19 0.11728	27-Nov-18	22:16:45
52	52 181127M1_52	1803649-03 DPH-SW1 0.1142	27-Nov-18	22:27:18
53	53 181127M1_53	1803649-04 DPH-SW3 0.11432	27-Nov-18	22:37:57
54	54 181127M1_54	1803649-05 DPH-SW4 0.11082	27-Nov-18	22:48:35
55	55 181127M1_55	B8K0133-BS1 OPR 0.125	27-Nov-18	22:59:07
56	56 181127M1_56	B8K0133-BLK1 Method Blank 0.125	27-Nov-18	23:09:45
57	57 181127M1_57	1803638-01 Ireland 0.11664	27-Nov-18	23:20:24
58	58 181127M1_58	IPA	27-Nov-18	23:30:57
59	59 181127M1_59	ST181127M1-5 PFC CS3 18K1906	27-Nov-18	23:41:36
60	60 181127M1_60	IPA	27-Nov-18	23:52:09
61	61 181127M1_61	1803639-01 MW-1 0.11477	28-Nov-18	00:02:47
62	62 181127M1_62	1803639-02 MW-3 0.11437	28-Nov-18	00:13:20
63	63 181127M1_63	1803650-01 RFW-3 0.113	28-Nov-18	00:23:58
64	64 181127M1_64	1803650-02 RFW-4 0.11224	28-Nov-18	00:34:30
65	65 181127M1_65	1803650-03 GZ-202A 0.11317	28-Nov-18	00:45:09
66	66 181127M1_66	1803650-04 P-2R (South Spring) 0.11552	28-Nov-18	00:55:47
67	67 181127M1_67	1803653-01 SEA-1 0.11267	28-Nov-18	01:06:20
68	68 181127M1_68	1803653-02 SEA-2 0.1142	28-Nov-18	01:16:59

Dataset: Untitled

Last Altered: Wednesday, November 28, 2018 08:06:15 Pacific Standard Time
 Printed: Wednesday, November 28, 2018 08:06:22 Pacific Standard Time

Compound name: PFBA

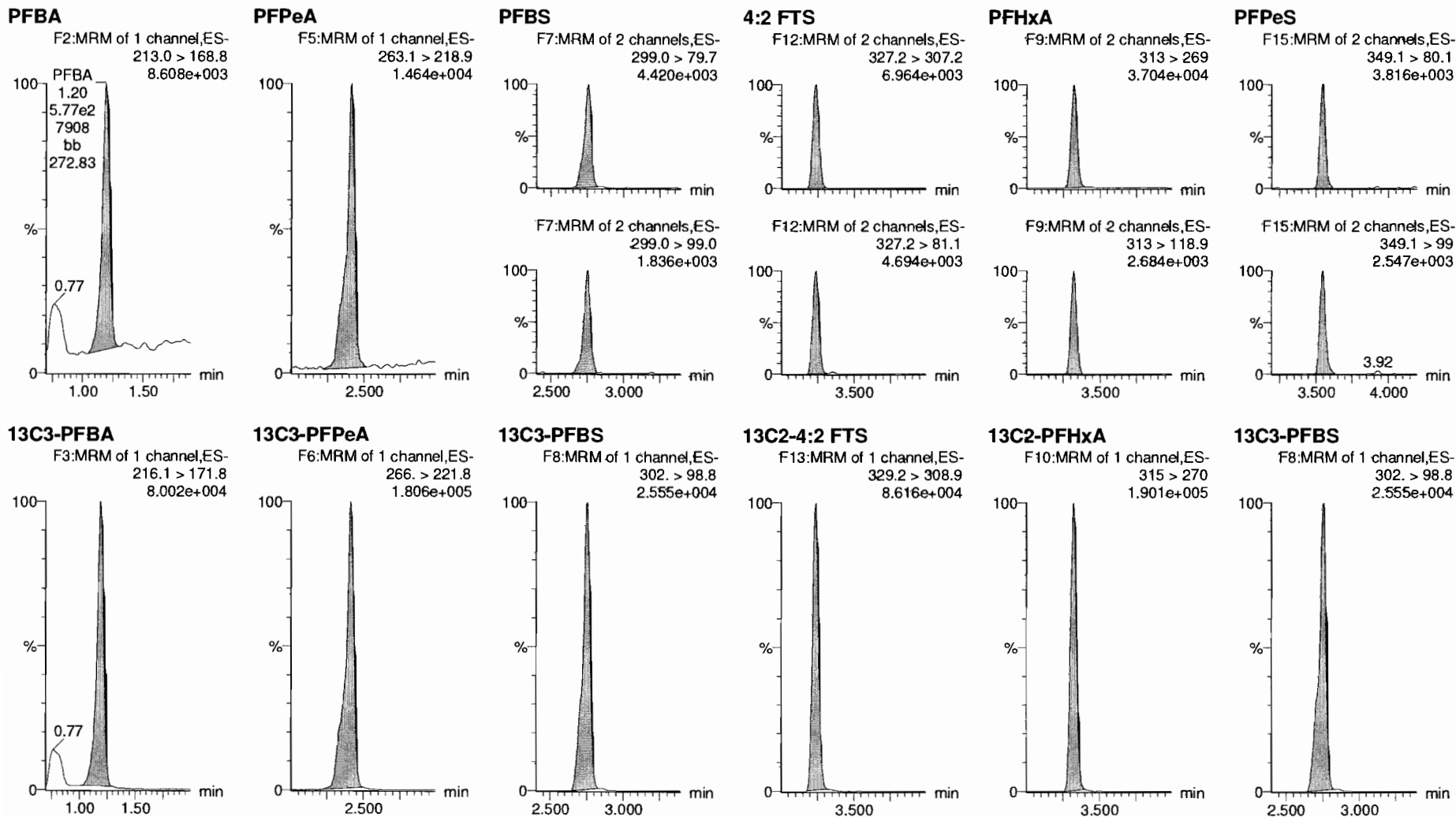
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69	69 181127M1_69	1803653-03 DH-1A 0.11294	28-Nov-18	01:27:32
70	70 181127M1_70	1803653-04 SW-2 0.11723	28-Nov-18	01:38:10
71	71 181127M1_71	IPA	28-Nov-18	01:48:43
72	72 181127M1_72	ST181127M1-6 PFC CS3 18K1906	28-Nov-18	01:59:21
73	73 181127M1_73	IPA	28-Nov-18	02:10:00
74	74 181127M1_74	1803653-05 Seep 0.11658	28-Nov-18	02:20:31
75	75 181127M1_75	B8K0146-BS1 OPR 0.25	28-Nov-18	02:31:10
76	76 181127M1_76	B8K0146-BLK1 Method Blank 0.25	28-Nov-18	02:41:43
77	77 181127M1_77	1803692-01 SWIN1811071400GGA 0.22883	28-Nov-18	02:52:22
78	78 181127M1_78	1803692-02 SWEF1811071430GGA 0.24623	28-Nov-18	03:02:54
79	79 181127M1_79	B8K0140-BS1 OPR 0.25	28-Nov-18	03:13:33
80	80 181127M1_80	B8K0140-BLK1 Method Blank 0.25	28-Nov-18	03:24:11
81	81 181127M1_81	1803675-01 GW0110161811150925KER 0.2531	28-Nov-18	03:34:45
82	82 181127M1_82	1803675-02 GW0480531811151025KER 0.25333	28-Nov-18	03:45:23
83	83 181127M1_83	1803675-03 EB1811151030MK 0.2493	28-Nov-18	03:56:01
84	84 181127M1_84	1803675-04 GW0750801811151140KER 0.25044	28-Nov-18	04:06:34
85	85 181127M1_85	1803675-05 GW0800851811151255KER 0.25087	28-Nov-18	04:17:12
86	86 181127M1_86	1803675-06 GW0850901811151405KER 0.24759	28-Nov-18	04:27:51
87	87 181127M1_87	1803675-07 GW0920971811151535KER 0.24638	28-Nov-18	04:38:24
88	88 181127M1_88	IPA	28-Nov-18	04:49:03
89	89 181127M1_89	ST181127M1-7 PFC CS3 18K1906	28-Nov-18	04:59:41
90	90 181127M1_90	IPA	28-Nov-18	05:10:15
91	91 181127M1_91	1803675-08 GW0971021811151650KER 0.24641	28-Nov-18	05:20:53
92	92 181127M1_92	1803675-09 GW0230281811121610MK 0.25313	28-Nov-18	05:31:26
93	93 181127M1_93	1803675-10 GW0280331811131655KER 0.24856	28-Nov-18	05:42:04
94	94 181127M1_94	1803675-11 GW0820871811141045KER 0.24842	28-Nov-18	05:52:42
95	95 181127M1_95	1803675-12 FB1811141050KER 0.24655	28-Nov-18	06:03:15
96	96 181127M1_96	1803675-13 GW0971021811141145KER 0.2461	28-Nov-18	06:13:53
97	97 181127M1_97	1803675-14 GW0280331811141310KER 0.24685	28-Nov-18	06:24:32
98	98 181127M1_98	1803675-15 GW0890941811141415KER 0.24549	28-Nov-18	06:35:05
99	99 181127M1_99	1803675-16 GW0991041811141615KER 0.24811	28-Nov-18	06:45:43
100	1... 181127M1_100	1803675-17 GW0991041811141620KER-FD 0.24325	28-Nov-18	06:56:16
101	1... 181127M1_101	QC MEOH LOT JB072509	28-Nov-18	07:06:55
102	1... 181127M1_102	IPA	28-Nov-18	07:17:28
103	1... 181127M1_103	ST181127M1-8 PFC CS3 18K1906	28-Nov-18	07:28:06
104	1... 181127M1_104	IPA	28-Nov-18	07:38:39

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-2.qld

Last Altered: Wednesday, November 28, 2018 07:31:25 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:32:02 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112718.mdb 28 Nov 2018 07:06:35
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

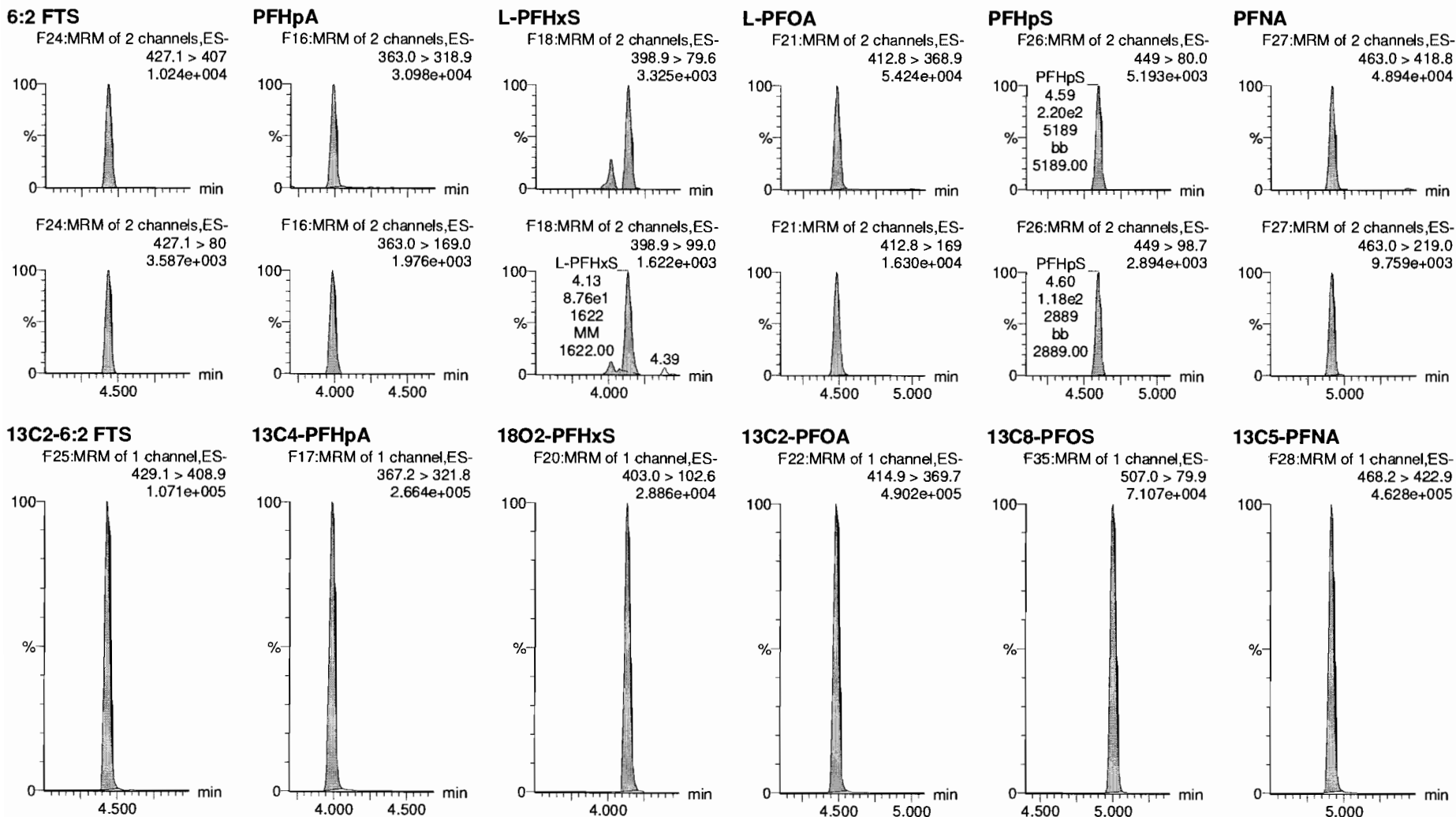
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Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-2.qld

Last Altered: Wednesday, November 28, 2018 07:31:25 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:32:02 Pacific Standard Time

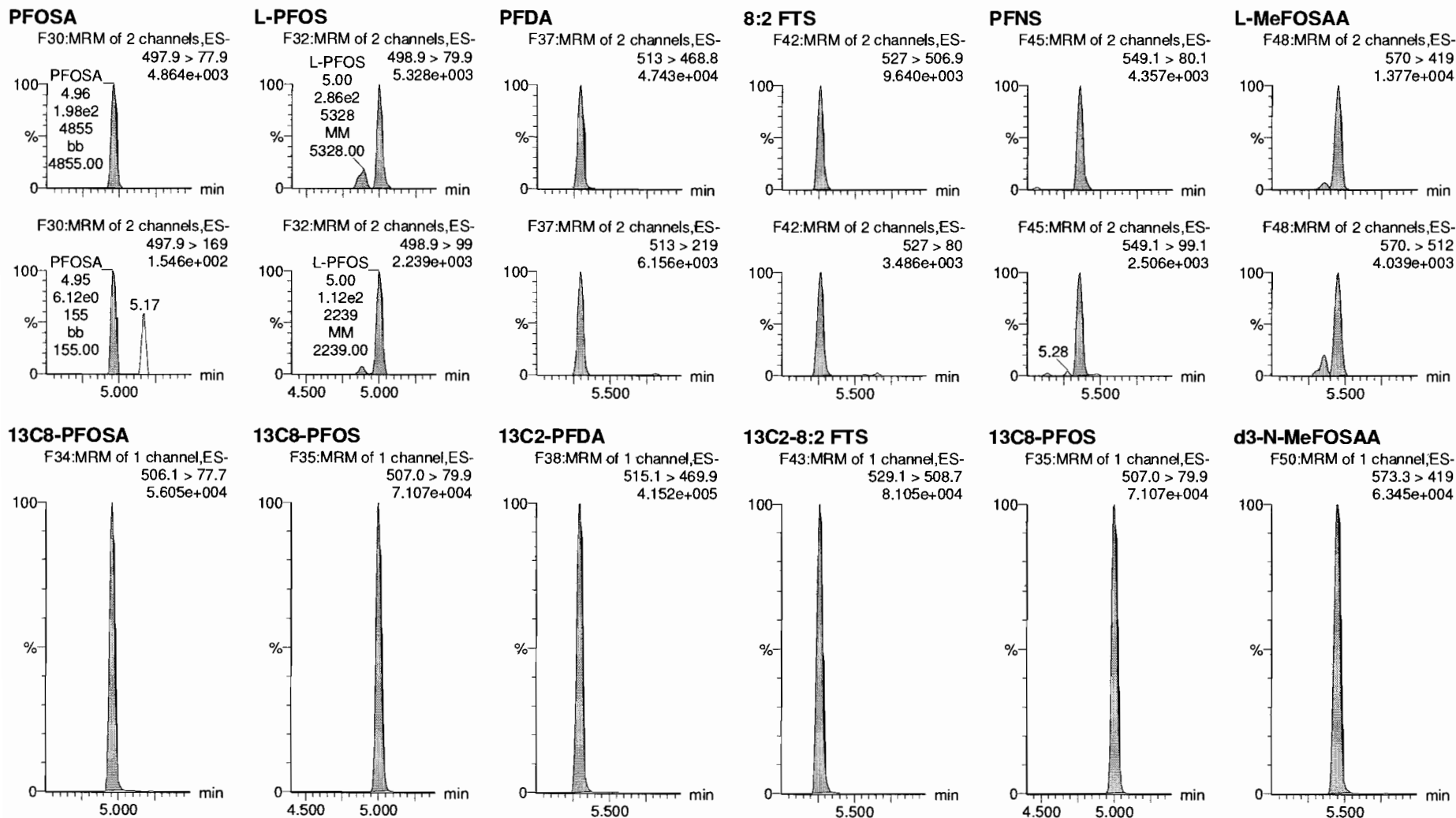
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Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-2.qld

Last Altered: Wednesday, November 28, 2018 07:31:25 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:32:02 Pacific Standard Time

Name: 181127M1_2, Date: 27-Nov-2018, Time: 12:22:15, ID: ST181127M1-1 PFC CS0 18K1903, Description: PFC CS0 18K1903

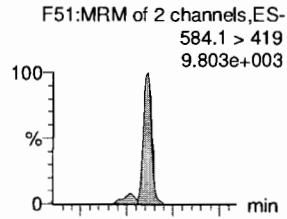


Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-2.qld

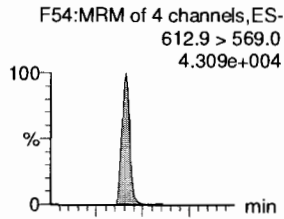
Last Altered: Wednesday, November 28, 2018 07:31:25 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:32:02 Pacific Standard Time

Name: 181127M1_2, Date: 27-Nov-2018, Time: 12:22:15, ID: ST181127M1-1 PFC CS0 18K1903, Description: PFC CS0 18K1903

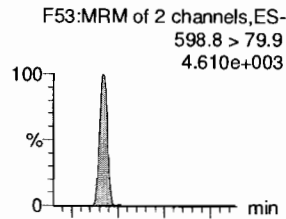
L-EtFOSAA



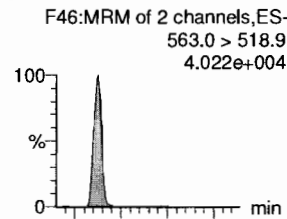
PFDoA



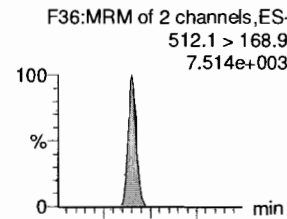
PFDS



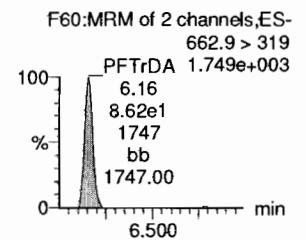
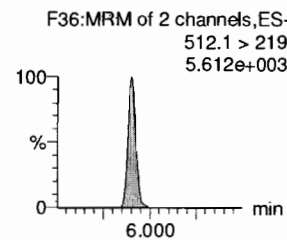
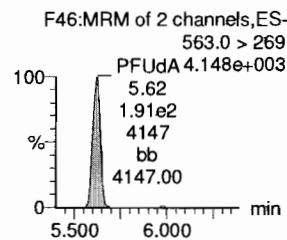
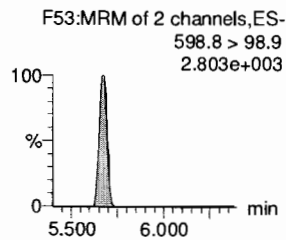
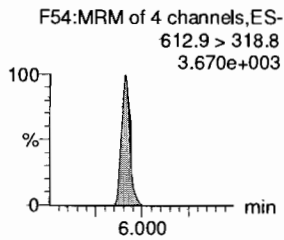
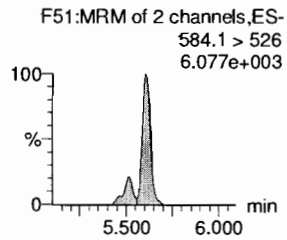
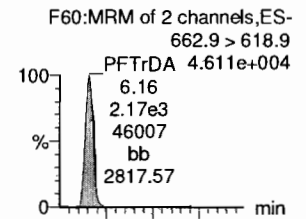
PFUdA



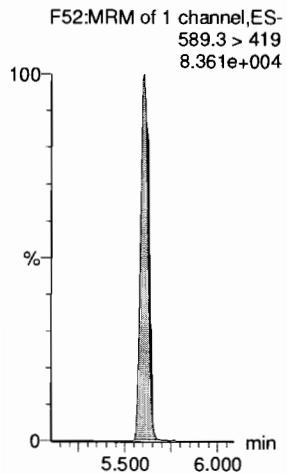
N-MeFOSA



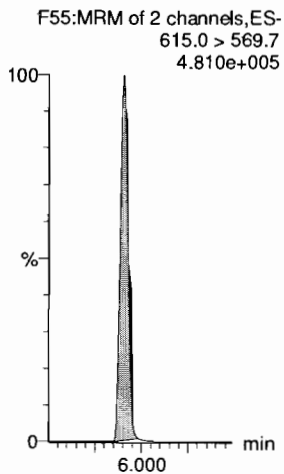
PFTTrDA



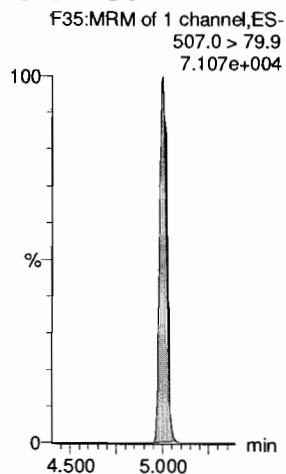
d5-N-EtFOSAA



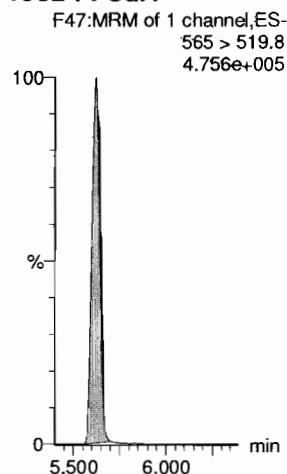
13C2-PFDoA



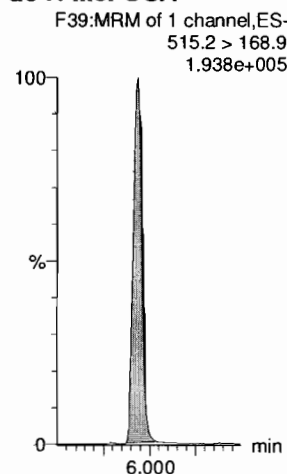
13C8-PFOS



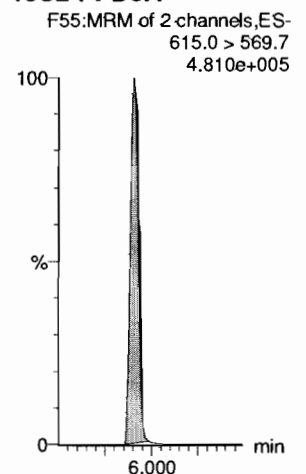
13C2-PFUdA



d3-N-MeFOSA



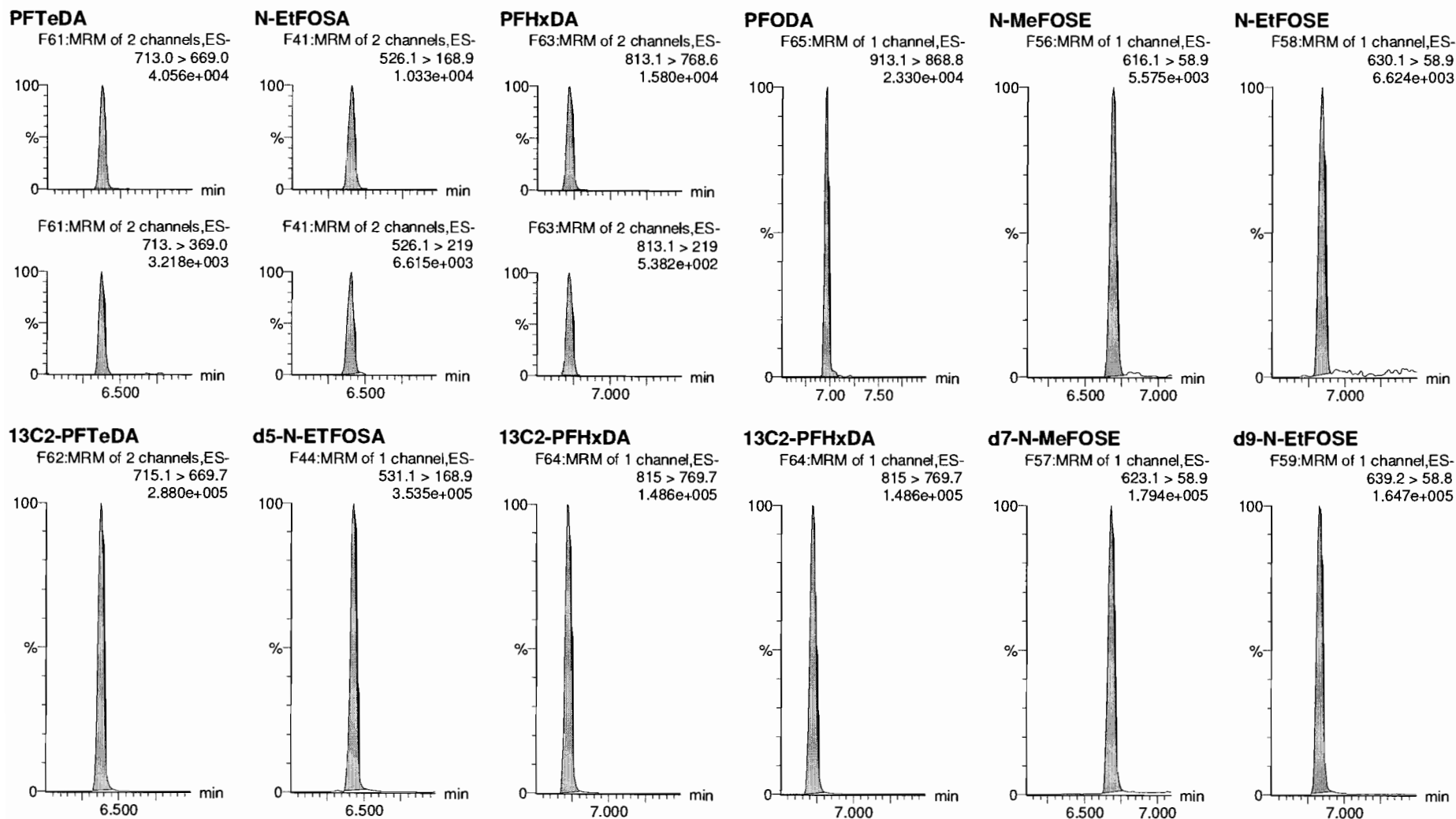
13C2-PFDoA



Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-2.qld

Last Altered: Wednesday, November 28, 2018 07:31:25 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:32:02 Pacific Standard Time

Name: 181127M1_2, Date: 27-Nov-2018, Time: 12:22:15, ID: ST181127M1-1 PFC CS0 18K1903, Description: PFC CS0 18K1903



Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-2.qld

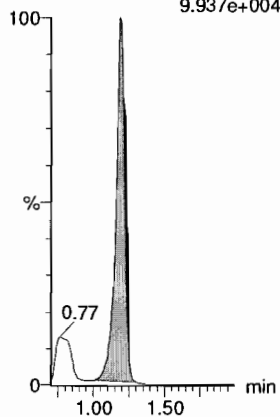
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Printed: Wednesday, November 28, 2018 07:32:02 Pacific Standard Time

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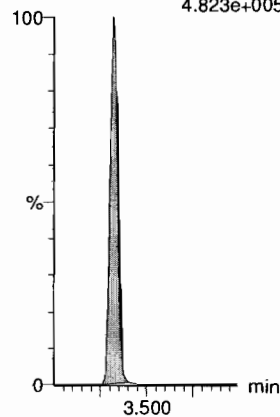
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
9.937e+004



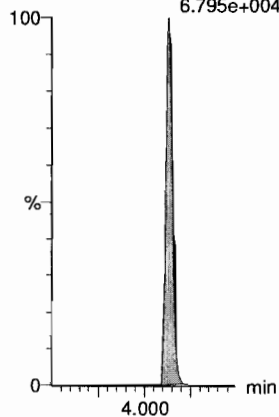
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.823e+005



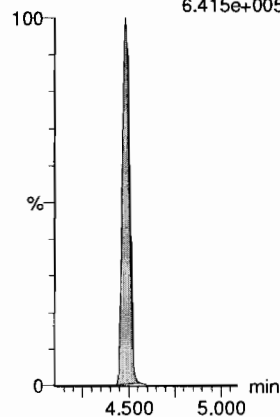
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
6.795e+004



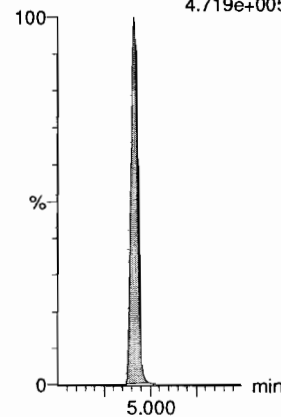
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
6.415e+005



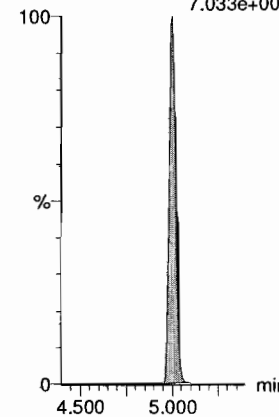
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.719e+005



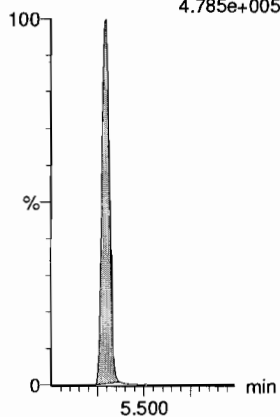
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.033e+004



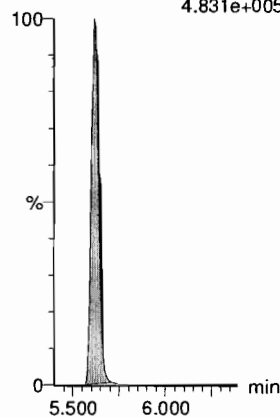
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.785e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
4.831e+005



Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-9.qld

VAD 11/28/18

Last Altered: Wednesday, November 28, 2018 07:06:39 Pacific Standard Time
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Name: 181127M1_9, Date: 27-Nov-2018, Time: 13:36:33, ID: ST181127M1-2 PFC CS3 18K1906, Description: PFC CS3 18K1906

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	5564.242	6044.539	1.00	1.20	11.507	9.8	98.2	NO		
2	2 PFPeA	263.1 > 218.9	9437.526	12552.300	1.00	2.42	9.398	9.9	98.7	NO		
3	3 PFBS	299.0 > 79.7	2744.029	1770.857	1.00	2.76	19.369	9.4	93.9	NO	2.653	NO
4	4 4:2 FTS	327.2>307.2	3878.139	4684.055	1.00	3.24	10.349	9.9	99.0	NO	1.678	NO
5	5 PFHxA	313 > 269	19324.664	10028.589	1.00	3.33	9.635	10.2	101.7	NO	15.387	NO
6	6 PFPeS	349.1>80.1	2235.374	1770.857	1.00	3.55	15.779	9.4	94.5	NO	1.569	NO
7	36 13C3-PFBA	216.1 > 171.8	6044.539	7529.786	1.00	1.21	10.034	12.7	101.9	NO		
8	37 13C3-PFPeA	266. > 221.8	12552.300	26517.391	1.00	2.42	5.917	10.6	85.2	NO		
9	38 13C3-PFBS	302. > 98.8	1770.857	3194.410	1.00	2.77	6.930	12.9	103.2	NO		
10	39 13C2-4:2 FTS	329.2>308.9	4684.055	3194.410	1.00	3.24	18.329	12.4	99.2	NO		
11	40 13C2-PFHxA	315 > 270	10028.589	26517.391	1.00	3.33	4.727	4.8	95.7	NO		
12	38 13C3-PFBS	302. > 98.8	1770.857	3194.410	1.00	2.77	6.930	12.9	103.2	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	4773.198	5023.632	1.00	4.43	11.877	9.5	95.3	NO	2.980	NO
15	7 PFHpA	363.0 > 318.9	13695.012	13520.427	1.00	4.00	12.661	9.6	96.1	NO	13.798	NO
16	8 L-PFHxS	398.9 > 79.6	2138.740	1378.069	1.00	4.14	19.400	10.0	99.7	NO	1.572	NO
17	11 L-PFOA	412.8 > 368.9	25305.109	23463.607	1.00	4.49	13.481	9.8	98.2	NO	3.389	NO
18	13 PFHpS	449 > 80.0	2673.484	3358.318	1.00	4.60	9.951	10.6	106.1	NO	1.758	NO
19	14 PFNA	463.0 > 418.8	21073.703	21311.506	1.00	4.92	12.361	9.9	98.6	NO	4.593	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	5023.632	3196.477	1.00	4.43	19.645	12.6	100.6	NO		
21	41 13C4-PFHpA	367.2 > 321.8	13520.427	26517.391	1.00	4.00	6.373	11.9	95.0	NO		
22	42 18O2-PFHxS	403.0 > 102.6	1378.069	3194.410	1.00	4.14	5.393	12.0	96.3	NO		
23	44 13C2-PFOA	414.9 > 369.7	23463.607	30220.549	1.00	4.49	9.705	12.9	102.9	NO		
24	47 13C8-PFOS	507.0 > 79.9	3358.318	3196.477	1.00	5.01	13.133	12.6	100.9	NO		
25	45 13C5-PFNA	468.2 > 422.9	21311.506	21023.799	1.00	4.92	12.671	12.8	102.3	NO		
26	-1											
27	15 PFOSA	497.9 > 77.9	2579.209	2802.614	1.00	4.96	11.504	10.1	101.1	NO	36.760	NO
28	16 L-PFOS	498.9 > 79.9	2965.089	3358.318	1.00	5.01	11.036	10.0	100.4	NO	1.857	NO
29	18 PFDA	513 > 468.8	22081.447	20196.289	1.00	5.30	13.667	10.4	104.0	NO	5.620	NO
30	19 8:2 FTS	527 > 506.9	4252.868	3453.842	1.00	5.27	15.392	10.2	101.8	NO	2.416	NO
31	20 PFNS	549.1 > 80.1	2112.453	3358.318	1.00	5.36	7.863	10.3	102.5	NO	1.633	NO
32	21 L-MeFOSAA	570 > 419	8254.508	3445.453	1.00	5.46	29.947	10.3	103.0	NO	2.648	NO
33	46 13C8-PFOSA	506.1 > 77.7	2802.614	27465.320	1.00	4.96	1.276	13.1	105.1	NO		
34	47 13C8-PFOS	507.0 > 79.9	3358.318	3196.477	1.00	5.01	13.133	12.6	100.9	NO		
35	48 13C2-PFDA	515.1 > 469.9	20196.289	23510.281	1.00	5.30	10.738	11.9	95.2	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	3453.842	3196.477	1.00	5.27	13.506	11.5	91.8	NO		

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Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-9.qld

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Name: 181127M1_9, Date: 27-Nov-2018, Time: 13:36:33, ID: ST181127M1-2 PFC CS3 18K1906, Description: PFC CS3 18K1906

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47	13C8-PFOS	507.0 > 79.9	3358.318	3196.477	1.00	5.01	13.133	12.6	100.9	NO	
38	50	d3-N-MeFOSAA	573.3 > 419	3445.453	27465.320	1.00	5.45	1.568	11.7	93.2	NO	
39	-1											
40	23	L-EtFOSAA	584.1 > 419	7009.348	5071.883	1.00	5.61	17.275	10.7	106.6	NO	1.441
41	27	PFDoA	612.9 > 569.0	22119.477	24419.674	1.00	5.91	11.323	9.7	97.0	NO	8.212
42	26	PFDS	598.8 > 79.9	2640.579	3358.318	1.00	5.67	9.829	9.4	93.7	NO	1.608
43	25	PFUdA	563.0 > 518.9	20501.998	26709.641	1.00	5.62	9.595	9.8	98.4	NO	10.122
44	28	N-MeFOSA	512.1 > 168.9	3891.354	11224.262	1.00	5.91	52.004	54.2	108.3	NO	1.547
45	29	PFTrDA	662.9 > 618.9	22619.566	24419.674	1.00	6.16	11.579	10.0	99.7	NO	22.771
46	52	d5-N-EtFOSAA	589.3 > 419	5071.883	27465.320	1.00	5.61	2.308	12.5	99.7	NO	
47	53	13C2-PFDoA	615.0 > 569.7	24419.674	23510.281	1.00	5.91	12.984	12.4	99.2	NO	
48	47	13C8-PFOS	507.0 > 79.9	3358.318	3196.477	1.00	5.01	13.133	12.6	100.9	NO	
49	51	13C2-PFUdA	565 > 519.8	26709.641	27465.320	1.00	5.63	12.156	12.7	101.6	NO	
50	54	d3-N-MeFOSA	515.2 > 168.9	11224.262	27465.320	1.00	5.94	5.108	139.2	92.8	NO	
51	53	13C2-PFDoA	615.0 > 569.7	24419.674	23510.281	1.00	5.91	12.984	12.4	99.2	NO	
52	-1											
53	30	PFTeDA	713.0 > 669.0	19949.881	15599.024	1.00	6.38	15.986	9.8	97.8	NO	12.587
54	31	N-EtFOSA	526.1 > 168.9	5702.125	19797.959	1.00	6.41	43.202	49.2	98.4	NO	1.616
55	32	PFHxDA	813.1 > 768.6	7260.882	8234.222	1.00	6.72	4.409	11.0	110.0	NO	17.774
56	33	PFODA	913.1 > 868.8	12578.619	8234.222	1.00	6.96	7.638	10.8	108.3	NO	
57	34	N-MeFOSE	616.1 > 58.9	3011.901	9716.585	1.00	6.69	46.496	51.3	102.6	NO	
58	35	N-EtFOSE	630.1 > 58.9	3571.052	9169.272	1.00	6.84	58.419	50.8	101.7	NO	
59	55	13C2-PFTeDA	715.1 > 669.7	15599.024	27465.320	1.00	6.38	7.099	12.5	100.2	NO	
60	56	d5-N-ETFOSA	531.1 > 168.9	19797.959	27465.320	1.00	6.43	9.010	154.5	103.0	NO	
61	57	13C2-PFHxDA	815 > 769.7	8234.222	27465.320	1.00	6.72	3.748	5.0	100.5	NO	
62	57	13C2-PFHxDA	815 > 769.7	8234.222	27465.320	1.00	6.72	3.748	5.0	100.5	NO	
63	58	d7-N-MeFOSE	623.1 > 58.9	9716.585	27465.320	1.00	6.68	4.422	139.8	93.2	NO	
64	59	d9-N-EtFOSE	639.2 > 58.8	9169.272	27465.320	1.00	6.83	4.173	139.9	93.3	NO	
65	-1											
66	60	13C4-PFBA	217. > 172	7529.786	7529.786	1.00	1.20	12.500	12.5	100.0	NO	
67	61	13C5-PFHxA	318 > 272.9	26517.391	26517.391	1.00	3.33	12.500	12.5	100.0	NO	
68	62	13C3-PFHxS	401.8 > 79.9	3194.410	3194.410	1.00	4.14	12.500	12.5	100.0	NO	
69	63	13C8-PFOA	420.9 > 376	30220.549	30220.549	1.00	4.49	12.500	12.5	100.0	NO	
70	64	13C9-PFNA	472.2 > 426.9	21023.799	21023.799	1.00	4.92	12.500	12.5	100.0	NO	
71	65	13C4-PFOS	503 > 79.9	3196.477	3196.477	1.00	5.01	12.500	12.5	100.0	NO	
72	66	13C6-PFDA	519.1 > 473.7	23510.281	23510.281	1.00	5.30	12.500	12.5	100.0	NO	

MJT 11/28/2018

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-9.qld

Last Altered: Wednesday, November 28, 2018 07:06:39 Pacific Standard Time

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Name: 181127M1_9, Date: 27-Nov-2018, Time: 13:36:33, ID: ST181127M1-2 PFC CS3 18K1906, Description: PFC CS3 18K1906

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery...	Ion Ratio	Ratio Out?
73	67 13C7-PFUdA	570.1 > 524.8	27465.320	27465.320	1.00	5.63	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Wednesday, November 28, 2018 08:06:15 Pacific Standard Time
 Printed: Wednesday, November 28, 2018 08:06:22 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112718.mdb 28 Nov 2018 07:06:35
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 181127M1_1	IPA	27-Nov-18	12:11:38
2	2 181127M1_2	ST181127M1-1 PFC CS0 18K1903	27-Nov-18	12:22:15
3	3 181127M1_3	QC MEOH LOT JB072509	27-Nov-18	12:32:54
4	4 181127M1_4	IPA	27-Nov-18	12:43:32
5	5 181127M1_5	1803659-01 A1-MW-07-SA2 0.11704	27-Nov-18	12:54:05
6	6 181127M1_6	1803659-02 A1-MW-23-SA2 0.1178	27-Nov-18	13:04:43
7	7 181127M1_7	1803659-03 A1-MW-25-SA2 0.11426	27-Nov-18	13:15:22
8	8 181127M1_8	IPA	27-Nov-18	13:25:54
9	9 181127M1_9	ST181127M1-2 PFC CS3 18K1906	27-Nov-18	13:36:33
10	10 181127M1_10	IPA	27-Nov-18	13:47:11
11	11 181127M1_11	1803553-04 BS1810291445GC 3.51	27-Nov-18	15:12:40
12	12 181127M1_12	IPA	27-Nov-18	15:23:15
13	13 181127M1_13	B8K0162-MS1 Matrix Spike 0.11696	27-Nov-18	15:33:53
14	14 181127M1_14	B8K0162-MSD1 Matrix Spike Dup 0.11463	27-Nov-18	15:44:27
15	15 181127M1_15	B8K0162-BS1 OPR 0.125	27-Nov-18	15:55:05
16	16 181127M1_16	B8K0162-BLK1 Method Blank 0.125	27-Nov-18	16:05:38
17	17 181127M1_17	1803677-01 OC-RW05-1118 0.1159	27-Nov-18	16:16:16
18	18 181127M1_18	1803677-02 OC-RW05P-1118 0.11752	27-Nov-18	16:26:49
19	19 181127M1_19	1803677-03 OC-FB05-1118 0.12187	27-Nov-18	16:37:27
20	20 181127M1_20	B8K0098-BS1 OPR 0.125	27-Nov-18	16:48:00
21	21 181127M1_21	B8K0098-BLK1 Method Blank 0.125	27-Nov-18	16:58:38
22	22 181127M1_22	1803630-01 277 Bond Rd 0.10443	27-Nov-18	17:09:12
23	23 181127M1_23	1803630-02 292 Bond Rd 0.11197	27-Nov-18	17:19:51
24	24 181127M1_24	1803630-03 110 Phinney Rd 0.10702	27-Nov-18	17:30:29
25	25 181127M1_25	1803630-04 305 Bond Rd 0.10908	27-Nov-18	17:41:02
26	26 181127M1_26	1803630-05 122 Phinney Rd 0.11013	27-Nov-18	17:51:40
27	27 181127M1_27	1803630-06 123 Phinney Rd 0.09851	27-Nov-18	18:02:13
28	28 181127M1_28	IPA	27-Nov-18	18:12:52
29	29 181127M1_29	ST181127M1-3 PFC CS3 18K1906	27-Nov-18	18:23:26
30	30 181127M1_30	IPA	27-Nov-18	18:34:04
31	31 181127M1_31	1803630-07 277 Bond Rd FRB 0.11327	27-Nov-18	18:44:37
32	32 181127M1_32	B8K0105-BS1 OPR 0.125	27-Nov-18	18:55:15

Dataset: Untitled

Last Altered: Wednesday, November 28, 2018 08:06:15 Pacific Standard Time
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Compound name: PFBA

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33	33 181127M1_33	B8K0105-BLK1 Method Blank 0.125	27-Nov-18	19:05:49
34	34 181127M1_34	1803643-01 DPH-MW10-17 0.11455	27-Nov-18	19:16:27
35	35 181127M1_35	1803643-02 DPH-MW8-17 0.11432	27-Nov-18	19:27:05
36	36 181127M1_36	1803643-03 DPH-MW5-17 0.11778	27-Nov-18	19:37:44
37	37 181127M1_37	1803643-04 DPH-MW9-17 0.11197	27-Nov-18	19:48:16
38	38 181127M1_38	1803643-05 DPH-MW4-17 0.11305	27-Nov-18	19:58:55
39	39 181127M1_39	1803643-06 DPH-MW2-17 0.11423	27-Nov-18	20:09:28
40	40 181127M1_40	1803643-07 DPH-B5 0.11397	27-Nov-18	20:20:06
41	41 181127M1_41	1803643-08 DPH-MW1-17 0.1163	27-Nov-18	20:30:44
42	42 181127M1_42	1803643-09 DPH-EX4 0.11442	27-Nov-18	20:41:18
43	43 181127M1_43	IPA	27-Nov-18	20:51:56
44	44 181127M1_44	ST181127M1-4 PFC CS3 18K1906	27-Nov-18	21:02:28
45	45 181127M1_45	IPA	27-Nov-18	21:13:06
46	46 181127M1_46	1803645-01 DPH-MW6 0.11548	27-Nov-18	21:23:39
47	47 181127M1_47	1803645-02 DPH-MW21 0.11562	27-Nov-18	21:34:18
48	48 181127M1_48	1803645-03 DPH-MW15D 0.11807	27-Nov-18	21:44:56
49	49 181127M1_49	1803645-04 DPH-MW22 0.11748	27-Nov-18	21:55:28
50	50 181127M1_50	1803649-01 DPH-MW18 0.11992	27-Nov-18	22:06:07
51	51 181127M1_51	1803649-02 DPH-MW19 0.11728	27-Nov-18	22:16:45
52	52 181127M1_52	1803649-03 DPH-SW1 0.1142	27-Nov-18	22:27:18
53	53 181127M1_53	1803649-04 DPH-SW3 0.11432	27-Nov-18	22:37:57
54	54 181127M1_54	1803649-05 DPH-SW4 0.11082	27-Nov-18	22:48:35
55	55 181127M1_55	B8K0133-BS1 OPR 0.125	27-Nov-18	22:59:07
56	56 181127M1_56	B8K0133-BLK1 Method Blank 0.125	27-Nov-18	23:09:45
57	57 181127M1_57	1803638-01 Ireland 0.11664	27-Nov-18	23:20:24
58	58 181127M1_58	IPA	27-Nov-18	23:30:57
59	59 181127M1_59	ST181127M1-5 PFC CS3 18K1906	27-Nov-18	23:41:36
60	60 181127M1_60	IPA	27-Nov-18	23:52:09
61	61 181127M1_61	1803639-01 MW-1 0.11477	28-Nov-18	00:02:47
62	62 181127M1_62	1803639-02 MW-3 0.11437	28-Nov-18	00:13:20
63	63 181127M1_63	1803650-01 RFW-3 0.113	28-Nov-18	00:23:58
64	64 181127M1_64	1803650-02 RFW-4 0.11224	28-Nov-18	00:34:30
65	65 181127M1_65	1803650-03 GZ-202A 0.11317	28-Nov-18	00:45:09
66	66 181127M1_66	1803650-04 P-2R (South Spring) 0.11552	28-Nov-18	00:55:47
67	67 181127M1_67	1803653-01 SEA-1 0.11267	28-Nov-18	01:06:20
68	68 181127M1_68	1803653-02 SEA-2 0.1142	28-Nov-18	01:16:59

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Compound name: PFBA

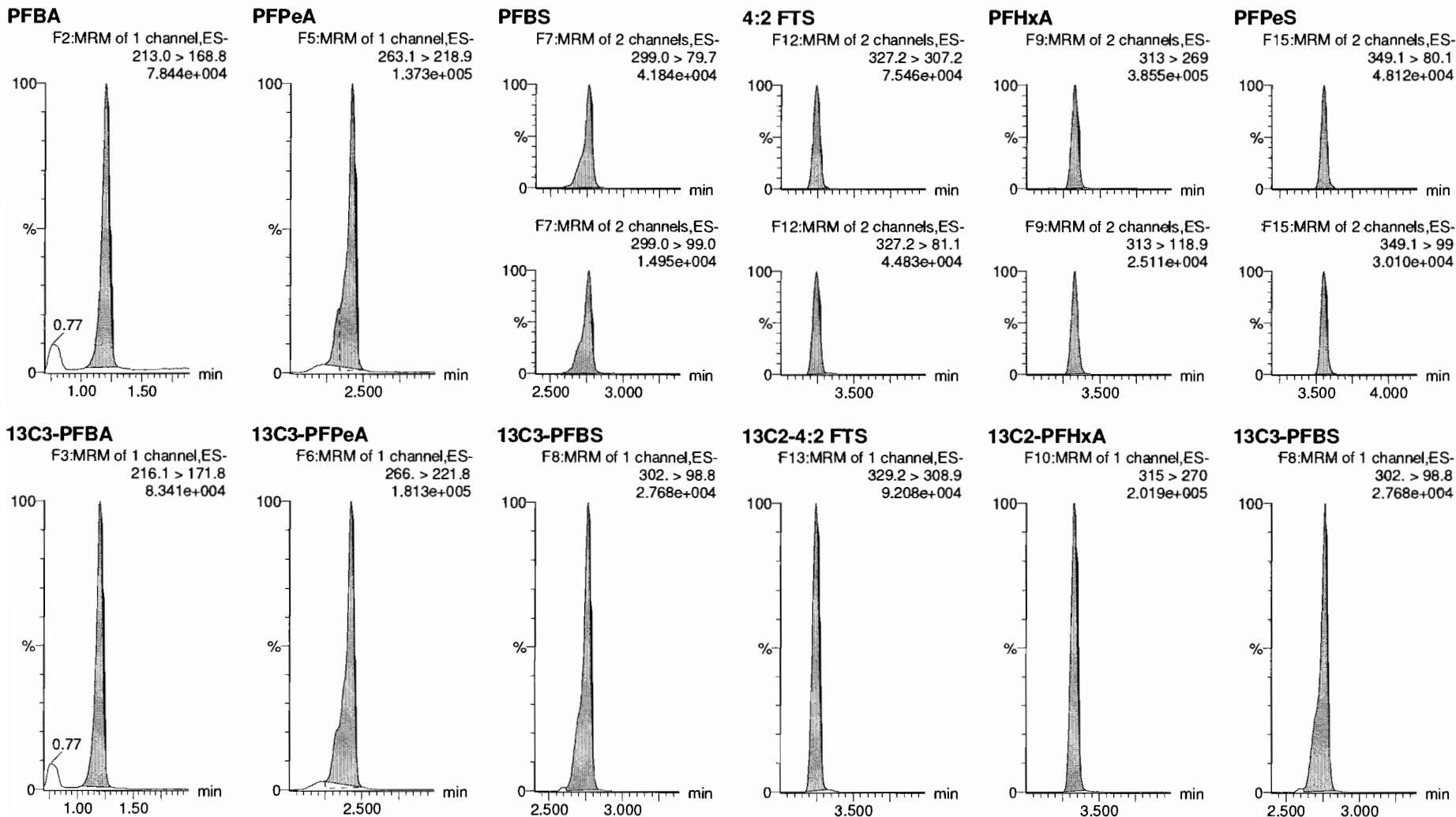
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71	71 181127M1_71	IPA	28-Nov-18	01:48:43
72	72 181127M1_72	ST181127M1-6 PFC CS3 18K1906	28-Nov-18	01:59:21
73	73 181127M1_73	IPA	28-Nov-18	02:10:00
74	74 181127M1_74	1803653-05 Seep 0.11658	28-Nov-18	02:20:31
75	75 181127M1_75	B8K0146-BS1 OPR 0.25	28-Nov-18	02:31:10
76	76 181127M1_76	B8K0146-BLK1 Method Blank 0.25	28-Nov-18	02:41:43
77	77 181127M1_77	1803692-01 SWIN1811071400GGA 0.22883	28-Nov-18	02:52:22
78	78 181127M1_78	1803692-02 SWEF1811071430GGA 0.24623	28-Nov-18	03:02:54
79	79 181127M1_79	B8K0140-BS1 OPR 0.25	28-Nov-18	03:13:33
80	80 181127M1_80	B8K0140-BLK1 Method Blank 0.25	28-Nov-18	03:24:11
81	81 181127M1_81	1803675-01 GW0110161811150925KER 0.2531	28-Nov-18	03:34:45
82	82 181127M1_82	1803675-02 GW0480531811151025KER 0.25333	28-Nov-18	03:45:23
83	83 181127M1_83	1803675-03 EB11811151030MK 0.2493	28-Nov-18	03:56:01
84	84 181127M1_84	1803675-04 GW0750801811151140KER 0.25044	28-Nov-18	04:06:34
85	85 181127M1_85	1803675-05 GW0800851811151255KER 0.25087	28-Nov-18	04:17:12
86	86 181127M1_86	1803675-06 GW0850901811151405KER 0.24759	28-Nov-18	04:27:51
87	87 181127M1_87	1803675-07 GW0920971811151535KER 0.24638	28-Nov-18	04:38:24
88	88 181127M1_88	IPA	28-Nov-18	04:49:03
89	89 181127M1_89	ST181127M1-7 PFC CS3 18K1906	28-Nov-18	04:59:41
90	90 181127M1_90	IPA	28-Nov-18	05:10:15
91	91 181127M1_91	1803675-08 GW0971021811151650KER 0.24641	28-Nov-18	05:20:53
92	92 181127M1_92	1803675-09 GW0230281811121610MK 0.25313	28-Nov-18	05:31:26
93	93 181127M1_93	1803675-10 GW0280331811131655KER 0.24856	28-Nov-18	05:42:04
94	94 181127M1_94	1803675-11 GW0820871811141045KER 0.24842	28-Nov-18	05:52:42
95	95 181127M1_95	1803675-12 FB1811141050KER 0.24655	28-Nov-18	06:03:15
96	96 181127M1_96	1803675-13 GW0971021811141145KER 0.2461	28-Nov-18	06:13:53
97	97 181127M1_97	1803675-14 GW0280331811141310KER 0.24685	28-Nov-18	06:24:32
98	98 181127M1_98	1803675-15 GW0890941811141415KER 0.24549	28-Nov-18	06:35:05
99	99 181127M1_99	1803675-16 GW0991041811141615KER 0.24811	28-Nov-18	06:45:43
100	1... 181127M1_100	1803675-17 GW0991041811141620KER-FD 0.24325	28-Nov-18	06:56:16
101	1... 181127M1_101	QC MEOH LOT JB072509	28-Nov-18	07:06:55
102	1... 181127M1_102	IPA	28-Nov-18	07:17:28
103	1... 181127M1_103	ST181127M1-8 PFC CS3 18K1906	28-Nov-18	07:28:06
104	1... 181127M1_104	IPA	28-Nov-18	07:38:39

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-9.qld

Last Altered: Wednesday, November 28, 2018 07:06:39 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:09:49 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112718.mdb 28 Nov 2018 07:06:35
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

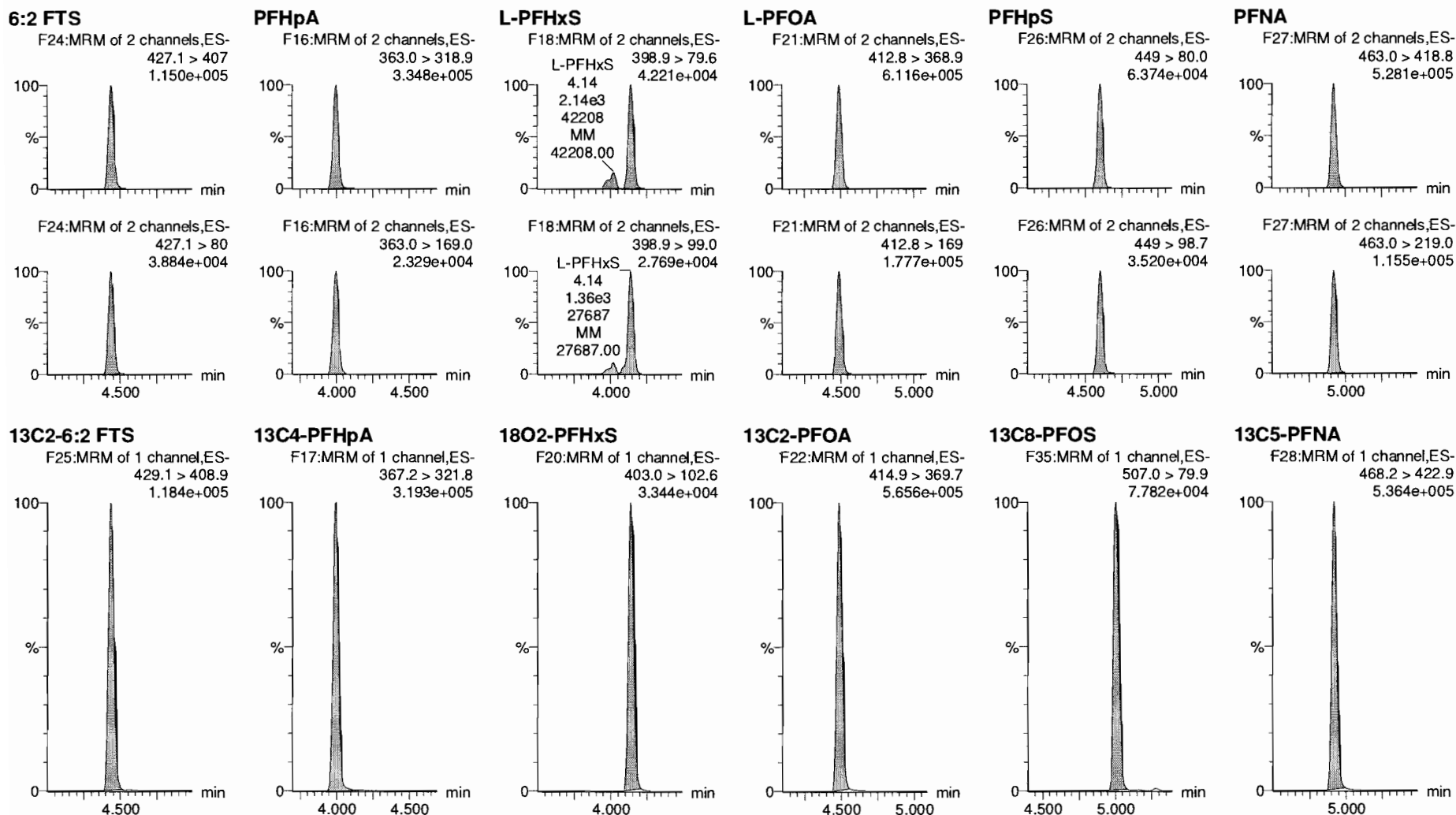
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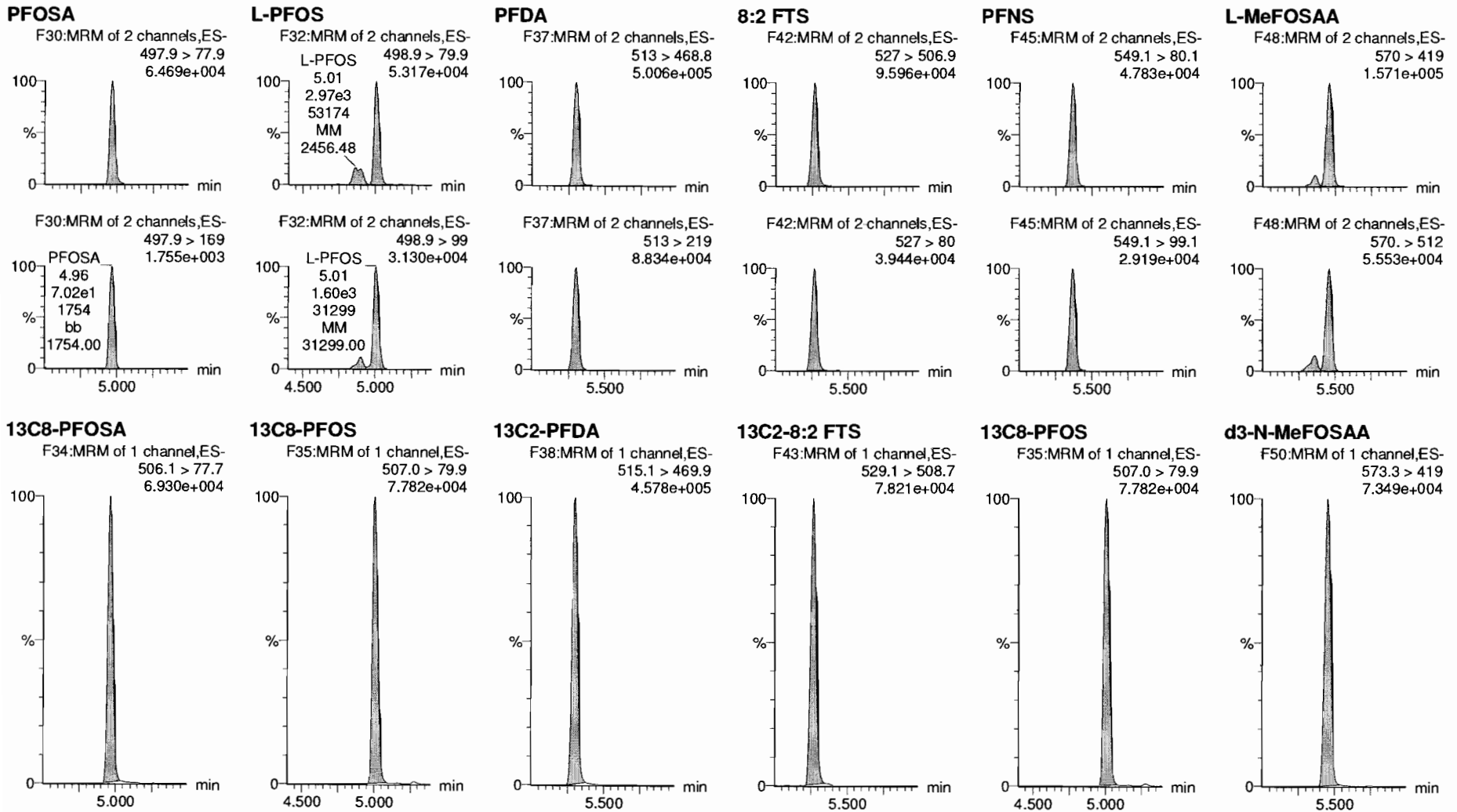


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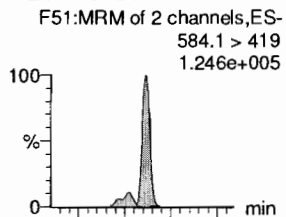


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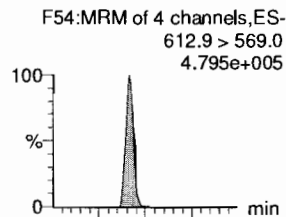
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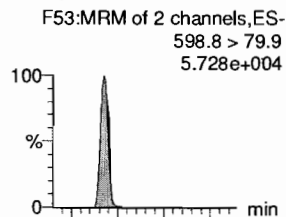
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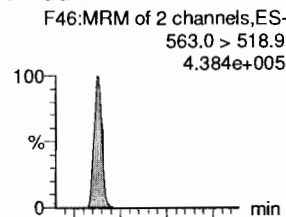
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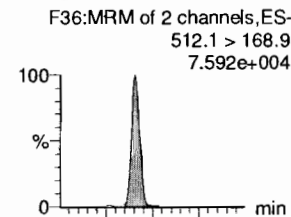
PFDS



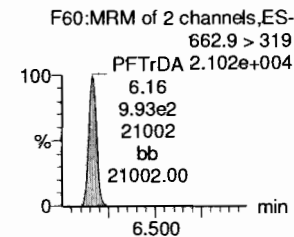
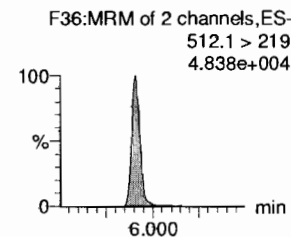
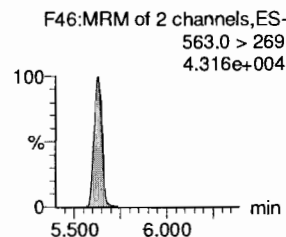
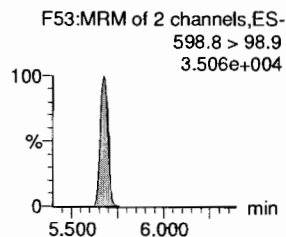
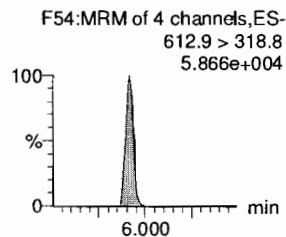
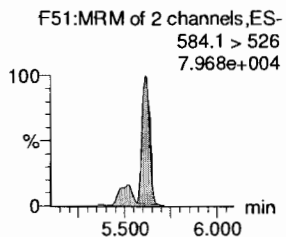
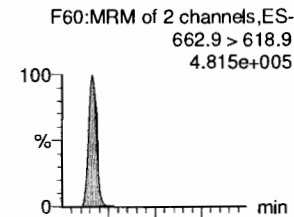
PFUdA



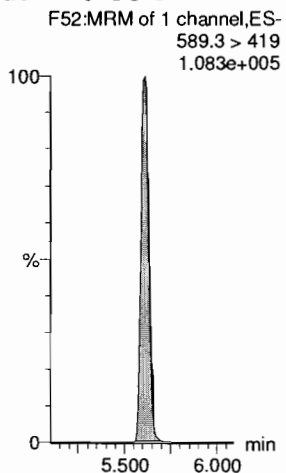
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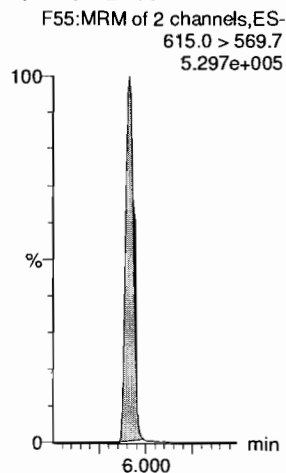
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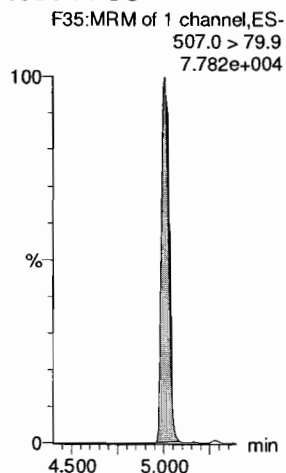
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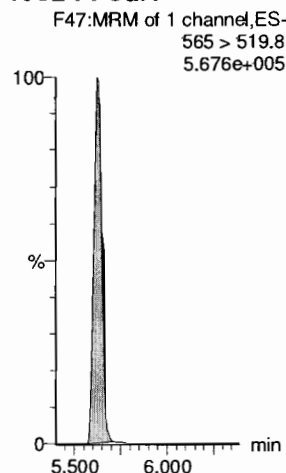
13C2-PFDoA



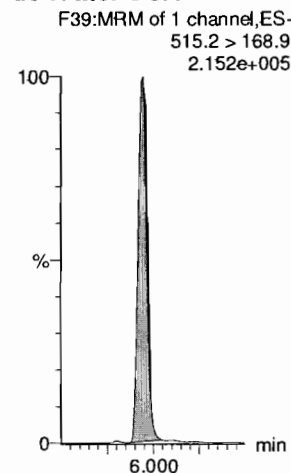
13C8-PFOS



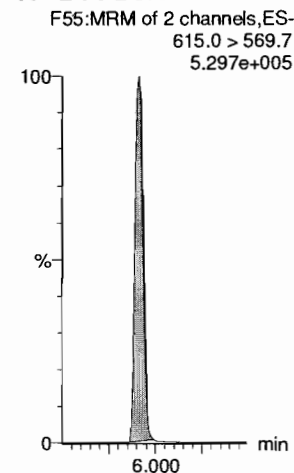
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

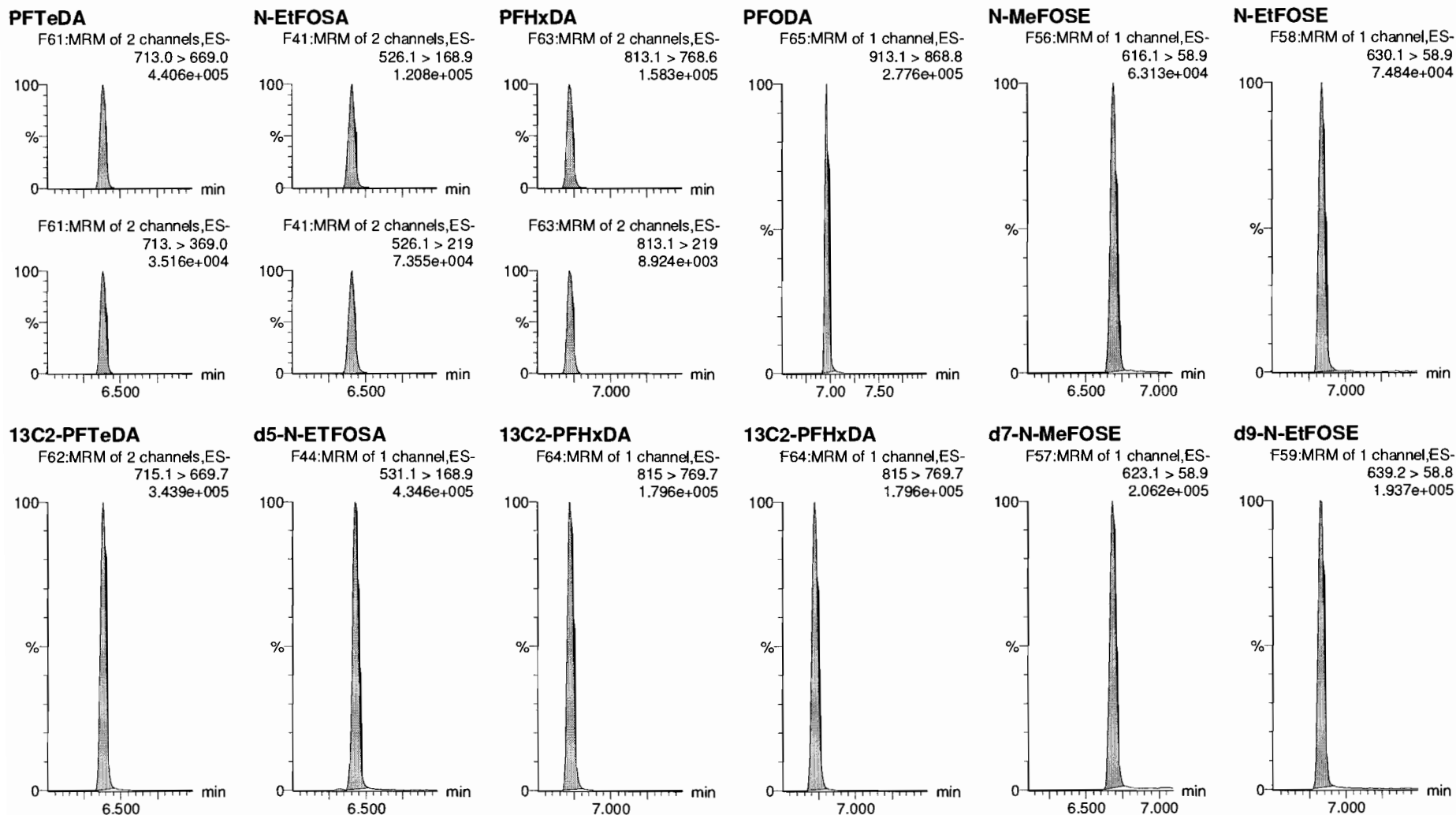


Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-9.qld

Last Altered: Wednesday, November 28, 2018 07:06:39 Pacific Standard Time

Printed: Wednesday, November 28, 2018 07:09:49 Pacific Standard Time

Name: 181127M1_9, Date: 27-Nov-2018, Time: 13:36:33, ID: ST181127M1-2 PFC CS3 18K1906, Description: PFC CS3 18K1906



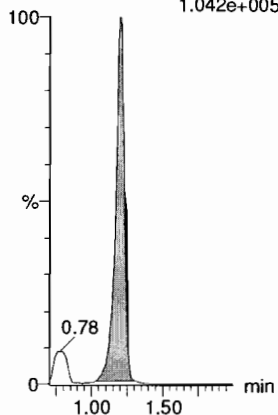
Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-9.qld

Last Altered: Wednesday, November 28, 2018 07:06:39 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:09:49 Pacific Standard Time

Name: 181127M1_9, Date: 27-Nov-2018, Time: 13:36:33, ID: ST181127M1-2 PFC CS3 18K1906, Description: PFC CS3 18K1906

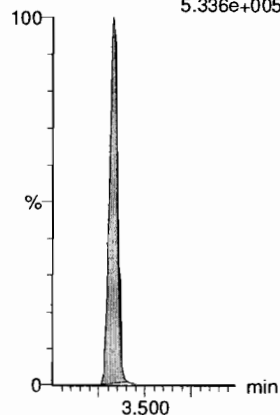
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.042e+005



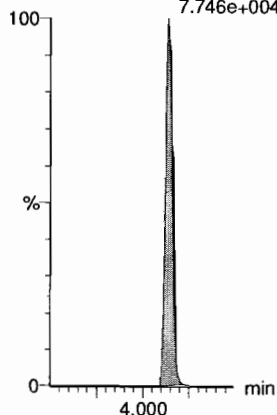
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.336e+005



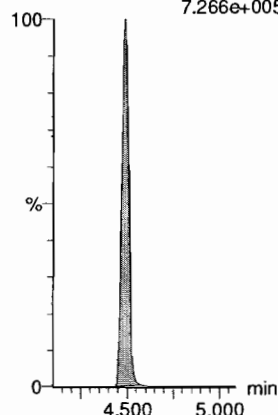
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
7.746e+004



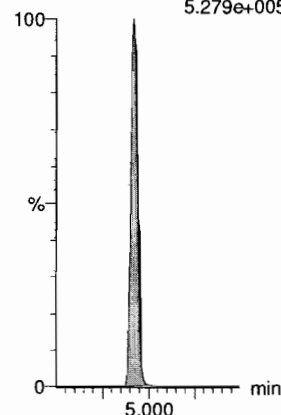
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
7.266e+005



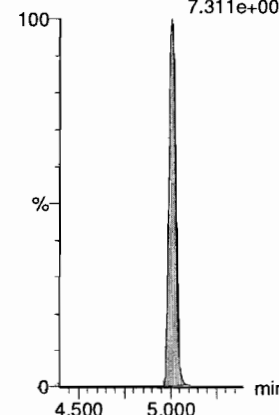
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.279e+005



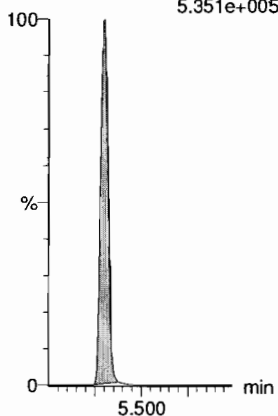
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.311e+004



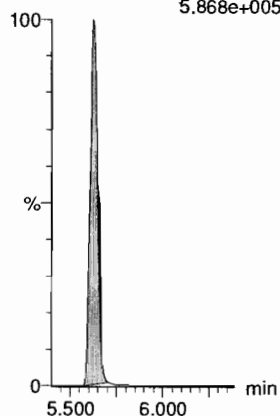
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.351e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.868e+005



Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-29.qld

Last Altered: Wednesday, November 28, 2018 07:37:38 Pacific Standard Time

Printed: Wednesday, November 28, 2018 07:38:20 Pacific Standard Time

VAD 11/28/18

Name: 181127M1_29, Date: 27-Nov-2018, Time: 18:23:26, ID: ST181127M1-3 PFC CS3 18K1906, Description: PFC CS3 18K1906

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	6270.775	6916.278	1.00	1.21	11.333	9.7	96.7	NO		
2	2 PFPeA	263.1 > 218.9	11266.958	14943.502	1.00	2.43	9.425	9.9	98.9	NO		
3	3 PFBS	299.0 > 79.7	3001.702	1866.705	1.00	2.77	20.100	9.7	97.4	NO	2.598	NO
4	4 4:2 FTS	327.2>307.2	4332.496	4951.907	1.00	3.24	10.936	10.5	104.9	NO	1.676	NO
5	5 PFHxA	313 > 269	20406.746	10828.185	1.00	3.33	9.423	9.9	99.5	NO	14.577	NO
6	6 PFPeS	349.1>80.1	2437.979	1866.705	1.00	3.55	16.325	9.8	97.7	NO	1.457	NO
7	36 13C3-PFBA	216.1 > 171.8	6916.278	8691.186	1.00	1.21	9.947	12.6	101.1	NO		
8	37 13C3-PFPeA	266. > 221.8	14943.502	28618.443	1.00	2.43	6.527	11.7	93.9	NO		
9	38 13C3-PFBS	302. > 98.8	1866.705	3465.680	1.00	2.77	6.733	12.5	100.3	NO		
10	39 13C2-4:2 FTS	329.2>308.9	4951.907	3465.680	1.00	3.24	17.861	12.1	96.7	NO		
11	40 13C2-PFHxA	315 > 270	10828.185	28618.443	1.00	3.33	4.730	4.8	95.7	NO		
12	38 13C3-PFBS	302. > 98.8	1866.705	3465.680	1.00	2.77	6.733	12.5	100.3	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	4949.750	5069.466	1.00	4.43	12.205	9.8	98.0	NO	2.889	NO
15	7 PFHpA	363.0 > 318.9	14791.611	13978.567	1.00	4.00	13.227	10.0	100.4	NO	13.090	NO
16	8 L-PFHxS	398.9 > 79.6	2256.253	1617.224	1.00	4.14	17.439	9.0	89.7	NO	1.552	NO
17	11 L-PFOA	412.8 > 368.9	26971.475	24275.160	1.00	4.49	13.888	10.1	101.2	NO	3.284	NO
18	13 PFHpS	449 > 80.0	2687.685	3717.541	1.00	4.60	9.037	9.6	96.3	NO	1.815	NO
19	14 PFNA	463.0 > 418.8	23053.514	23304.793	1.00	4.92	12.365	9.9	98.6	NO	4.754	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	5069.466	3577.538	1.00	4.43	17.713	11.3	90.7	NO		
21	41 13C4-PFHpA	367.2 > 321.8	13978.567	28618.443	1.00	4.00	6.106	11.4	91.0	NO		
22	42 18O2-PFHxS	403.0 > 102.6	1617.224	3465.680	1.00	4.14	5.833	13.0	104.1	NO		
23	44 13C2-PFOA	414.9 > 369.7	24275.160	32526.691	1.00	4.49	9.329	12.4	98.9	NO		
24	47 13C8-PFOS	507.0 > 79.9	3717.541	3577.538	1.00	5.00	12.989	12.5	99.8	NO		
25	45 13C5-PFNA	468.2 > 422.9	23304.793	23183.744	1.00	4.92	12.565	12.7	101.5	NO		
26	-1											
27	15 PFOSA	497.9 > 77.9	2874.598	3013.985	1.00	4.96	11.922	10.5	104.7	NO	30.767	NO
28	16 L-PFOS	498.9 > 79.9	3147.628	3717.541	1.00	5.01	10.584	9.6	96.2	NO	2.007	NO
29	18 PFDA	513 > 468.8	24798.334	23354.092	1.00	5.30	13.273	10.1	100.9	NO	5.965	NO
30	19 8:2 FTS	527 > 506.9	4635.163	3683.385	1.00	5.27	15.730	10.4	104.1	NO	2.378	NO
31	20 PFNS	549.1 > 80.1	2216.818	3717.541	1.00	5.36	7.454	9.7	97.2	NO	1.613	NO
32	21 L-MeFOSAA	570 > 419	8894.840	3791.346	1.00	5.46	29.326	10.1	100.8	NO	2.570	NO
33	46 13C8-PFOSA	506.1 > 77.7	3013.985	30589.826	1.00	4.96	1.232	12.7	101.4	NO		
34	47 13C8-PFOS	507.0 > 79.9	3717.541	3577.538	1.00	5.00	12.989	12.5	99.8	NO		
35	48 13C2-PFDA	515.1 > 469.9	23354.092	26988.947	1.00	5.30	10.817	12.0	95.9	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	3683.385	3577.538	1.00	5.27	12.870	10.9	87.4	NO		

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Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-29.qld

Last Altered: Wednesday, November 28, 2018 07:37:38 Pacific Standard Time

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Name: 181127M1_29, Date: 27-Nov-2018, Time: 18:23:26, ID: ST181127M1-3 PFC CS3 18K1906, Description: PFC CS3 18K1906

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47 13C8-PFOS	507.0 > 79.9	3717.541	3577.538	1.00	5.00	12.989	12.5	99.8	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	3791.346	30589.826	1.00	5.45	1.549	11.5	92.1	NO		
39	-1											
40	23 L-EiFOSAA	584.1 > 419	8006.830	5478.823	1.00	5.61	18.268	11.3	112.7	NO	1.597	NO
41	27 PFDoA	612.9 > 569.0	24685.336	26831.695	1.00	5.91	11.500	9.9	98.5	NO	8.546	NO
42	26 PFDS	598.8 > 79.9	2899.584	3717.541	1.00	5.67	9.750	9.3	92.9	NO	1.560	NO
43	25 PFUdA	563.0 > 518.9	21691.461	29121.555	1.00	5.62	9.311	9.5	95.5	NO	9.870	NO
44	28 N-MeFOSA	512.1 > 168.9	4300.235	12396.986	1.00	5.91	52.032	54.2	108.4	NO	1.495	NO
45	29 PFTrDA	662.9 > 618.9	25160.010	26831.695	1.00	6.16	11.721	10.1	100.9	NO	23.365	NO
46	52 d5-N-EiFOSAA	589.3 > 419	5478.823	30589.826	1.00	5.61	2.239	12.1	96.7	NO		
47	53 13C2-PFDoA	615.0 > 569.7	26831.695	26988.947	1.00	5.91	12.427	11.9	95.0	NO		
48	47 13C8-PFOS	507.0 > 79.9	3717.541	3577.538	1.00	5.00	12.989	12.5	99.8	NO		
49	51 13C2-PFUdA	565 > 519.8	29121.555	30589.826	1.00	5.63	11.900	12.4	99.4	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	12396.986	30589.826	1.00	5.94	5.066	138.0	92.0	NO		
51	53 13C2-PFDoA	615.0 > 569.7	26831.695	26988.947	1.00	5.91	12.427	11.9	95.0	NO		
52	-1											
53	30 PFTeDA	713.0 > 669.0	21614.717	17844.842	1.00	6.38	15.141	9.3	92.6	NO	12.437	NO
54	31 N-EtFOSA	526.1 > 168.9	6053.275	22219.795	1.00	6.41	40.864	46.5	93.0	NO	1.602	NO
55	32 PFHxDA	813.1 > 768.6	8474.277	9445.617	1.00	6.72	4.486	11.2	111.9	NO	19.437	NO
56	33 PFODA	913.1 > 868.8	14084.252	9445.617	1.00	6.96	7.455	10.6	105.7	NO		
57	34 N-MeFOSE	616.1 > 58.9	3234.568	10666.305	1.00	6.69	45.488	50.2	100.4	NO		
58	35 N-EtFOSE	630.1 > 58.9	3873.623	10193.786	1.00	6.84	57.000	49.6	99.2	NO		
59	55 13C2-PFTeDA	715.1 > 669.7	17844.842	30589.826	1.00	6.38	7.292	12.9	102.9	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	22219.795	30589.826	1.00	6.43	9.080	155.7	103.8	NO		
61	57 13C2-PFHxDA	815 > 769.7	9445.617	30589.826	1.00	6.72	3.860	5.2	103.5	NO		
62	57 13C2-PFHxDA	815 > 769.7	9445.617	30589.826	1.00	6.72	3.860	5.2	103.5	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	10666.305	30589.826	1.00	6.68	4.359	137.8	91.8	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	10193.786	30589.826	1.00	6.83	4.166	139.6	93.1	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	8691.186	8691.186	1.00	1.21	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	28618.443	28618.443	1.00	3.33	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.8 > 79.9	3465.680	3465.680	1.00	4.14	12.500	12.5	100.0	NO		
69	63 13C8-PFOA	420.9 > 376	32526.691	32526.691	1.00	4.49	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	23183.744	23183.744	1.00	4.92	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	3577.538	3577.538	1.00	5.01	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	26988.947	26988.947	1.00	5.30	12.500	12.5	100.0	NO		

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Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-29.qld

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Name: 181127M1_29, Date: 27-Nov-2018, Time: 18:23:26, ID: ST181127M1-3 PFC CS3 18K1906, Description: PFC CS3 18K1906

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
73	67 13C7-PFUdA	570.1 > 524.8	30589.826	30589.826	1.00	5.63	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Wednesday, November 28, 2018 08:06:15 Pacific Standard Time
 Printed: Wednesday, November 28, 2018 08:06:22 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112718.mdb 28 Nov 2018 07:06:35
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	181127M1_1	IPA	27-Nov-18	12:11:38
2	181127M1_2	ST181127M1-1 PFC CS0 18K1903	27-Nov-18	12:22:15
3	181127M1_3	QC MEOH LOT JB072509	27-Nov-18	12:32:54
4	181127M1_4	IPA	27-Nov-18	12:43:32
5	181127M1_5	1803659-01 A1-MW-07-SA2 0.11704	27-Nov-18	12:54:05
6	181127M1_6	1803659-02 A1-MW-23-SA2 0.1178	27-Nov-18	13:04:43
7	181127M1_7	1803659-03 A1-MW-25-SA2 0.11426	27-Nov-18	13:15:22
8	181127M1_8	IPA	27-Nov-18	13:25:54
9	181127M1_9	ST181127M1-2 PFC CS3 18K1906	27-Nov-18	13:36:33
10	181127M1_10	IPA	27-Nov-18	13:47:11
11	181127M1_11	1803553-04 BS1810291445GC 3.51	27-Nov-18	15:12:40
12	181127M1_12	IPA	27-Nov-18	15:23:15
13	181127M1_13	B8K0162-MS1 Matrix Spike 0.11696	27-Nov-18	15:33:53
14	181127M1_14	B8K0162-MSD1 Matrix Spike Dup 0.11463	27-Nov-18	15:44:27
15	181127M1_15	B8K0162-BS1 OPR 0.125	27-Nov-18	15:55:05
16	181127M1_16	B8K0162-BLK1 Method Blank 0.125	27-Nov-18	16:05:38
17	181127M1_17	1803677-01 OC-RW05-1118 0.1159	27-Nov-18	16:16:16
18	181127M1_18	1803677-02 OC-RW05P-1118 0.11752	27-Nov-18	16:26:49
19	181127M1_19	1803677-03 OC-FB05-1118 0.12187	27-Nov-18	16:37:27
20	181127M1_20	B8K0098-BS1 OPR 0.125	27-Nov-18	16:48:00
21	181127M1_21	B8K0098-BLK1 Method Blank 0.125	27-Nov-18	16:58:38
22	181127M1_22	1803630-01 277 Bond Rd 0.10443	27-Nov-18	17:09:12
23	181127M1_23	1803630-02 292 Bond Rd 0.11197	27-Nov-18	17:19:51
24	181127M1_24	1803630-03 110 Phinney Rd 0.10702	27-Nov-18	17:30:29
25	181127M1_25	1803630-04 305 Bond Rd 0.10908	27-Nov-18	17:41:02
26	181127M1_26	1803630-05 122 Phinney Rd 0.11013	27-Nov-18	17:51:40
27	181127M1_27	1803630-06 123 Phinney Rd 0.09851	27-Nov-18	18:02:13
28	181127M1_28	IPA	27-Nov-18	18:12:52
29	181127M1_29	ST181127M1-3 PFC CS3 18K1906	27-Nov-18	18:23:26
30	181127M1_30	IPA	27-Nov-18	18:34:04
31	181127M1_31	1803630-07 277 Bond Rd FRB 0.11327	27-Nov-18	18:44:37
32	181127M1_32	B8K0105-BS1 OPR 0.125	27-Nov-18	18:55:15

Dataset: Untitled

Last Altered: Wednesday, November 28, 2018 08:06:15 Pacific Standard Time
 Printed: Wednesday, November 28, 2018 08:06:22 Pacific Standard Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 181127M1_33	B8K0105-BLK1 Method Blank 0.125	27-Nov-18	19:05:49
34	34 181127M1_34	1803643-01 DPH-MW10-17 0.11455	27-Nov-18	19:16:27
35	35 181127M1_35	1803643-02 DPH-MW8-17 0.11432	27-Nov-18	19:27:05
36	36 181127M1_36	1803643-03 DPH-MW5-17 0.11778	27-Nov-18	19:37:44
37	37 181127M1_37	1803643-04 DPH-MW9-17 0.11197	27-Nov-18	19:48:16
38	38 181127M1_38	1803643-05 DPH-MW4-17 0.11305	27-Nov-18	19:58:55
39	39 181127M1_39	1803643-06 DPH-MW2-17 0.11423	27-Nov-18	20:09:28
40	40 181127M1_40	1803643-07 DPH-B5 0.11397	27-Nov-18	20:20:06
41	41 181127M1_41	1803643-08 DPH-MW1-17 0.1163	27-Nov-18	20:30:44
42	42 181127M1_42	1803643-09 DPH-EX4 0.11442	27-Nov-18	20:41:18
43	43 181127M1_43	IPA	27-Nov-18	20:51:56
44	44 181127M1_44	ST181127M1-4 PFC CS3 18K1906	27-Nov-18	21:02:28
45	45 181127M1_45	IPA	27-Nov-18	21:13:06
46	46 181127M1_46	1803645-01 DPH-MW6 0.11548	27-Nov-18	21:23:39
47	47 181127M1_47	1803645-02 DPH-MW21 0.11562	27-Nov-18	21:34:18
48	48 181127M1_48	1803645-03 DPH-MW15D 0.11807	27-Nov-18	21:44:56
49	49 181127M1_49	1803645-04 DPH-MW22 0.11748	27-Nov-18	21:55:28
50	50 181127M1_50	1803649-01 DPH-MW18 0.11992	27-Nov-18	22:06:07
51	51 181127M1_51	1803649-02 DPH-MW19 0.11728	27-Nov-18	22:16:45
52	52 181127M1_52	1803649-03 DPH-SW1 0.1142	27-Nov-18	22:27:18
53	53 181127M1_53	1803649-04 DPH-SW3 0.11432	27-Nov-18	22:37:57
54	54 181127M1_54	1803649-05 DPH-SW4 0.11082	27-Nov-18	22:48:35
55	55 181127M1_55	B8K0133-BS1 OPR 0.125	27-Nov-18	22:59:07
56	56 181127M1_56	B8K0133-BLK1 Method Blank 0.125	27-Nov-18	23:09:45
57	57 181127M1_57	1803638-01 Ireland 0.11664	27-Nov-18	23:20:24
58	58 181127M1_58	IPA	27-Nov-18	23:30:57
59	59 181127M1_59	ST181127M1-5 PFC CS3 18K1906	27-Nov-18	23:41:36
60	60 181127M1_60	IPA	27-Nov-18	23:52:09
61	61 181127M1_61	1803639-01 MW-1 0.11477	28-Nov-18	00:02:47
62	62 181127M1_62	1803639-02 MW-3 0.11437	28-Nov-18	00:13:20
63	63 181127M1_63	1803650-01 RFW-3 0.113	28-Nov-18	00:23:58
64	64 181127M1_64	1803650-02 RFW-4 0.11224	28-Nov-18	00:34:30
65	65 181127M1_65	1803650-03 GZ-202A 0.11317	28-Nov-18	00:45:09
66	66 181127M1_66	1803650-04 P-2R (South Spring) 0.11552	28-Nov-18	00:55:47
67	67 181127M1_67	1803653-01 SEA-1 0.11267	28-Nov-18	01:06:20
68	68 181127M1_68	1803653-02 SEA-2 0.1142	28-Nov-18	01:16:59

Dataset: Untitled

Last Altered: Wednesday, November 28, 2018 08:06:15 Pacific Standard Time
 Printed: Wednesday, November 28, 2018 08:06:22 Pacific Standard Time

Compound name: PFBA

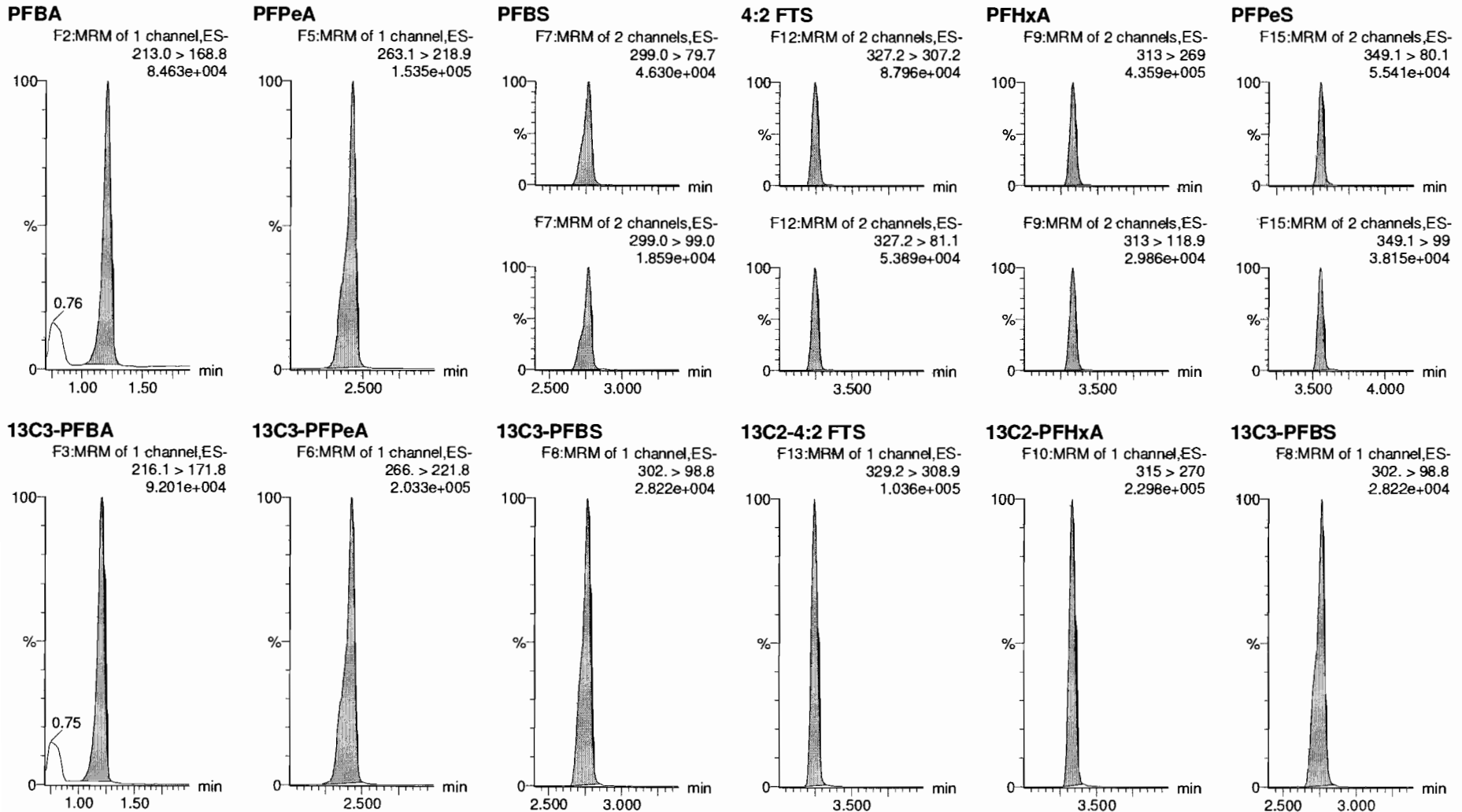
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69	69 181127M1_69	1803653-03 DH-1A 0.11294	28-Nov-18	01:27:32
70	70 181127M1_70	1803653-04 SW-2 0.11723	28-Nov-18	01:38:10
71	71 181127M1_71	IPA	28-Nov-18	01:48:43
72	72 181127M1_72	ST181127M1-6 PFC CS3 18K1906	28-Nov-18	01:59:21
73	73 181127M1_73	IPA	28-Nov-18	02:10:00
74	74 181127M1_74	1803653-05 Seep 0.11658	28-Nov-18	02:20:31
75	75 181127M1_75	B8K0146-BS1 OPR 0.25	28-Nov-18	02:31:10
76	76 181127M1_76	B8K0146-BLK1 Method Blank 0.25	28-Nov-18	02:41:43
77	77 181127M1_77	1803692-01 SWIN1811071400GGA 0.22883	28-Nov-18	02:52:22
78	78 181127M1_78	1803692-02 SWEF1811071430GGA 0.24623	28-Nov-18	03:02:54
79	79 181127M1_79	B8K0140-BS1 OPR 0.25	28-Nov-18	03:13:33
80	80 181127M1_80	B8K0140-BLK1 Method Blank 0.25	28-Nov-18	03:24:11
81	81 181127M1_81	1803675-01 GW0110161811150925KER 0.2531	28-Nov-18	03:34:45
82	82 181127M1_82	1803675-02 GW0480531811151025KER 0.25333	28-Nov-18	03:45:23
83	83 181127M1_83	1803675-03 EB11811151030MK 0.2493	28-Nov-18	03:56:01
84	84 181127M1_84	1803675-04 GW0750801811151140KER 0.25044	28-Nov-18	04:06:34
85	85 181127M1_85	1803675-05 GW0800851811151255KER 0.25087	28-Nov-18	04:17:12
86	86 181127M1_86	1803675-06 GW0850901811151405KER 0.24759	28-Nov-18	04:27:51
87	87 181127M1_87	1803675-07 GW0920971811151535KER 0.24638	28-Nov-18	04:38:24
88	88 181127M1_88	IPA	28-Nov-18	04:49:03
89	89 181127M1_89	ST181127M1-7 PFC CS3 18K1906	28-Nov-18	04:59:41
90	90 181127M1_90	IPA	28-Nov-18	05:10:15
91	91 181127M1_91	1803675-08 GW0971021811151650KER 0.24641	28-Nov-18	05:20:53
92	92 181127M1_92	1803675-09 GW0230281811121610MK 0.25313	28-Nov-18	05:31:26
93	93 181127M1_93	1803675-10 GW0280331811131655KER 0.24856	28-Nov-18	05:42:04
94	94 181127M1_94	1803675-11 GW0820871811141045KER 0.24842	28-Nov-18	05:52:42
95	95 181127M1_95	1803675-12 FB1811141050KER 0.24655	28-Nov-18	06:03:15
96	96 181127M1_96	1803675-13 GW0971021811141145KER 0.2461	28-Nov-18	06:13:53
97	97 181127M1_97	1803675-14 GW0280331811141310KER 0.24685	28-Nov-18	06:24:32
98	98 181127M1_98	1803675-15 GW0890941811141415KER 0.24549	28-Nov-18	06:35:05
99	99 181127M1_99	1803675-16 GW0991041811141615KER 0.24811	28-Nov-18	06:45:43
100	1... 181127M1_100	1803675-17 GW0991041811141620KER-FD 0.24325	28-Nov-18	06:56:16
101	1... 181127M1_101	QC MEOH LOT JB072509	28-Nov-18	07:06:55
102	1... 181127M1_102	IPA	28-Nov-18	07:17:28
103	1... 181127M1_103	ST181127M1-8 PFC CS3 18K1906	28-Nov-18	07:28:06
104	1... 181127M1_104	IPA	28-Nov-18	07:38:39

Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-29.qld

Last Altered: Wednesday, November 28, 2018 07:37:38 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:38:20 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112718.mdb 28 Nov 2018 07:06:35
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

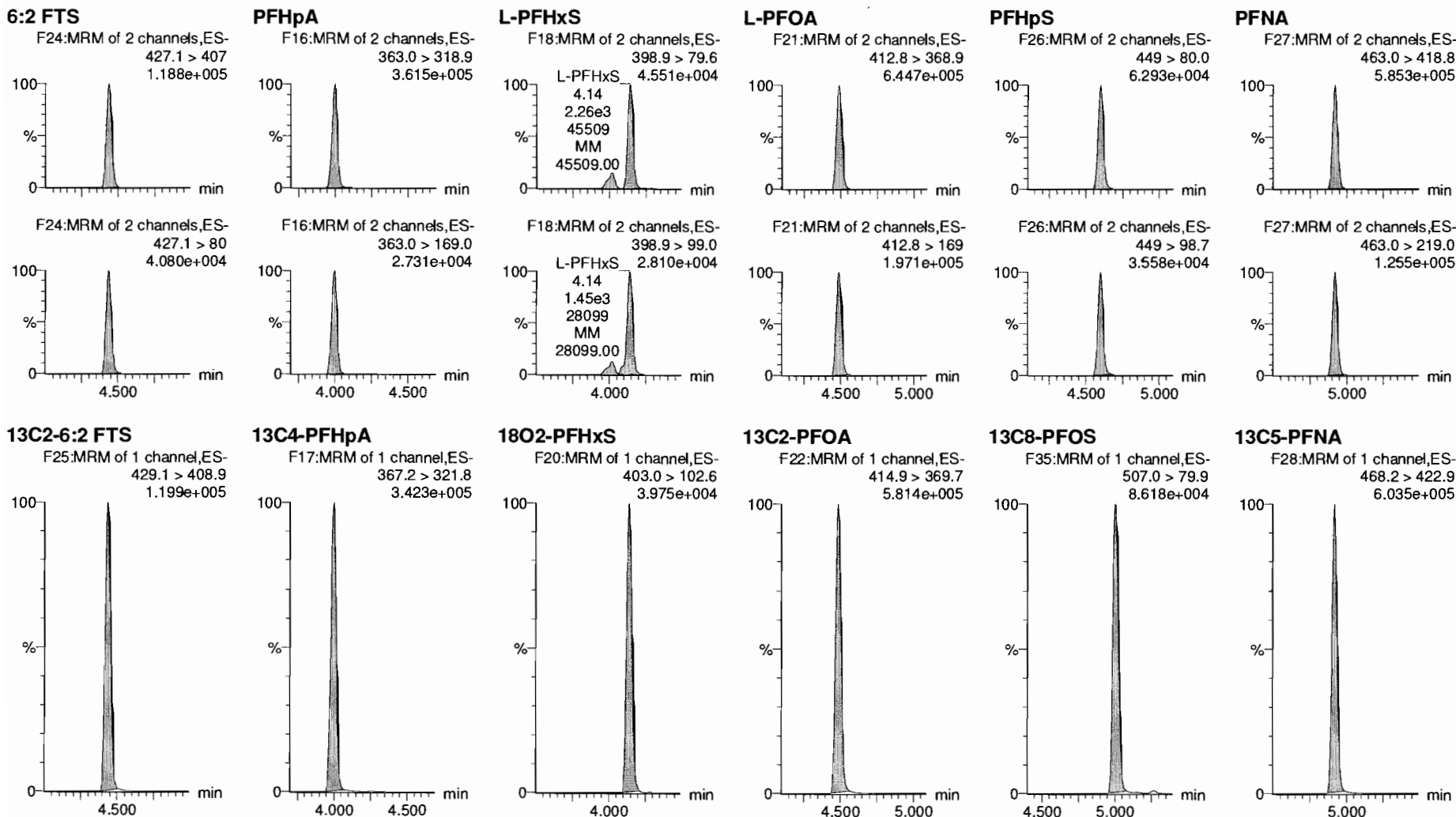
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Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-29.qld

Last Altered: Wednesday, November 28, 2018 07:37:38 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:38:20 Pacific Standard Time

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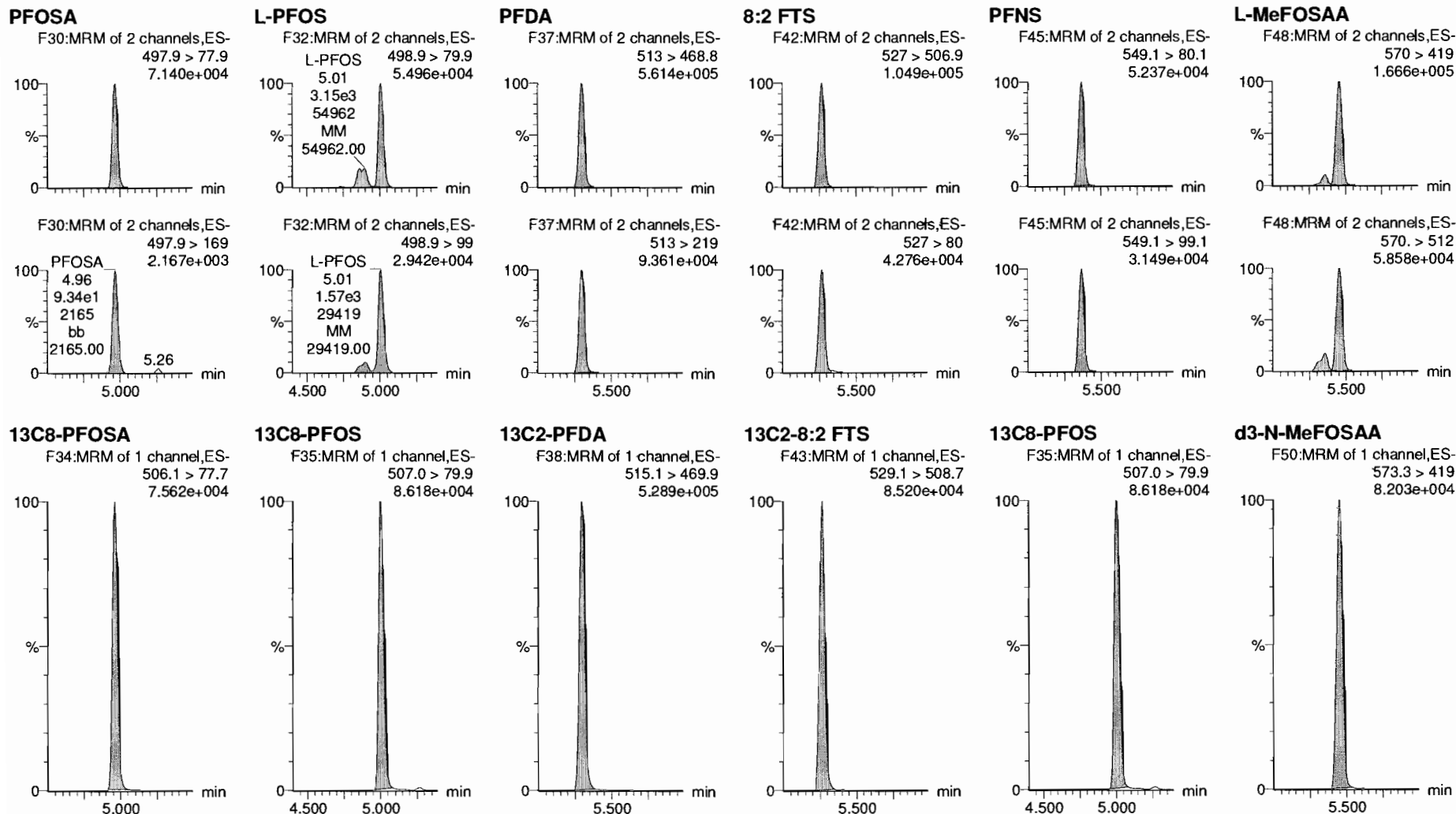


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Last Altered: Wednesday, November 28, 2018 07:37:38 Pacific Standard Time

Printed: Wednesday, November 28, 2018 07:38:20 Pacific Standard Time

Name: 181127M1_29, Date: 27-Nov-2018, Time: 18:23:26, ID: ST181127M1-3 PFC CS3 18K1906, Description: PFC CS3 18K1906

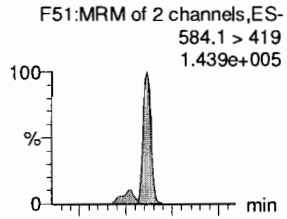


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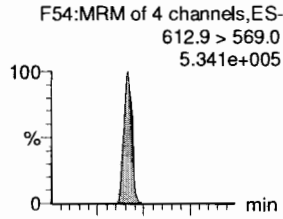
Last Altered: Wednesday, November 28, 2018 07:37:38 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:38:20 Pacific Standard Time

Name: 181127M1_29, Date: 27-Nov-2018, Time: 18:23:26, ID: ST181127M1-3 PFC CS3 18K1906, Description: PFC CS3 18K1906

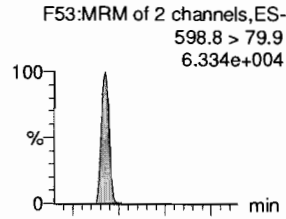
L-EtFOSAA



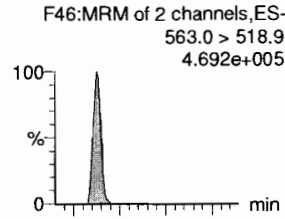
PFDoA



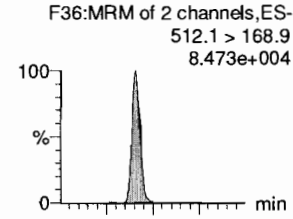
PFDS



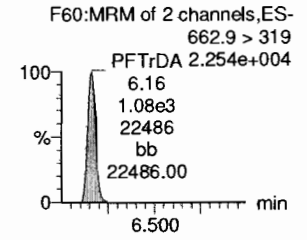
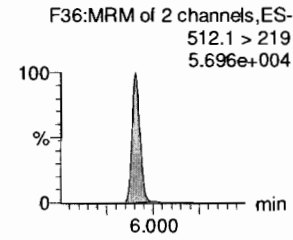
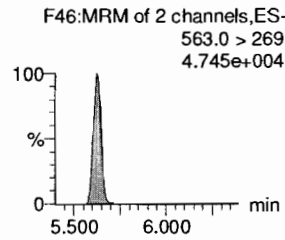
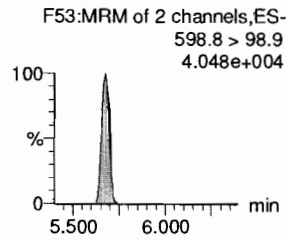
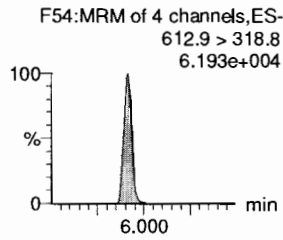
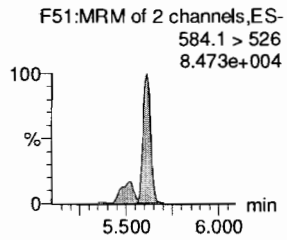
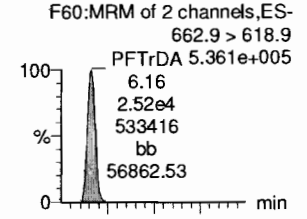
PFUdA



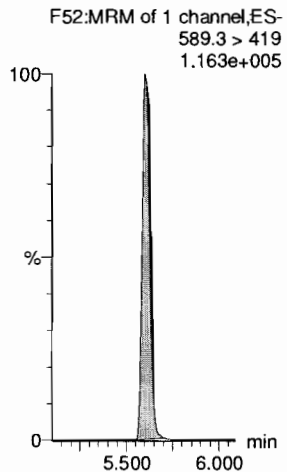
N-MeFOSA



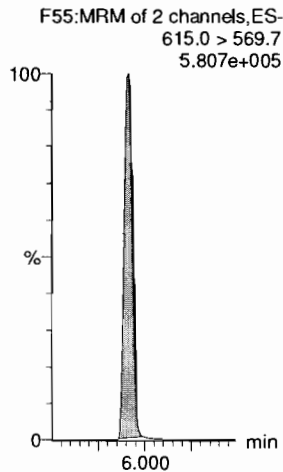
PFTrDA



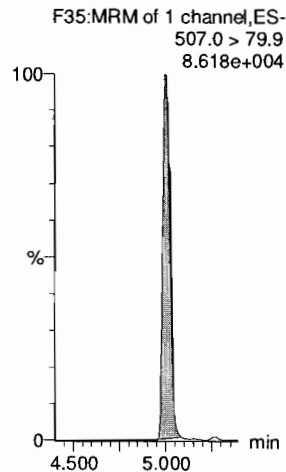
d5-N-EtFOSAA



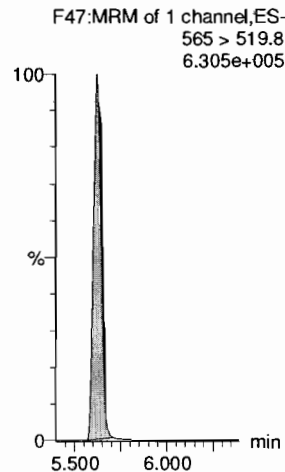
13C2-PFDoA



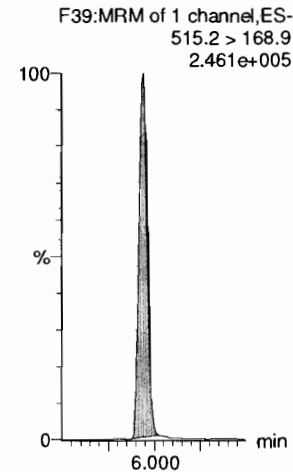
13C8-PFOS



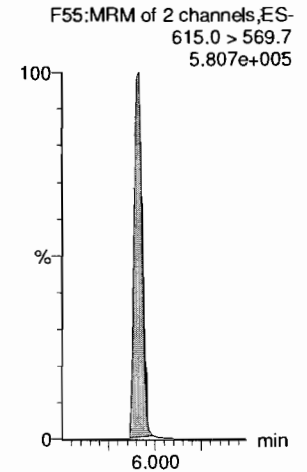
13C2-PFUdA



d3-N-MeFOSA



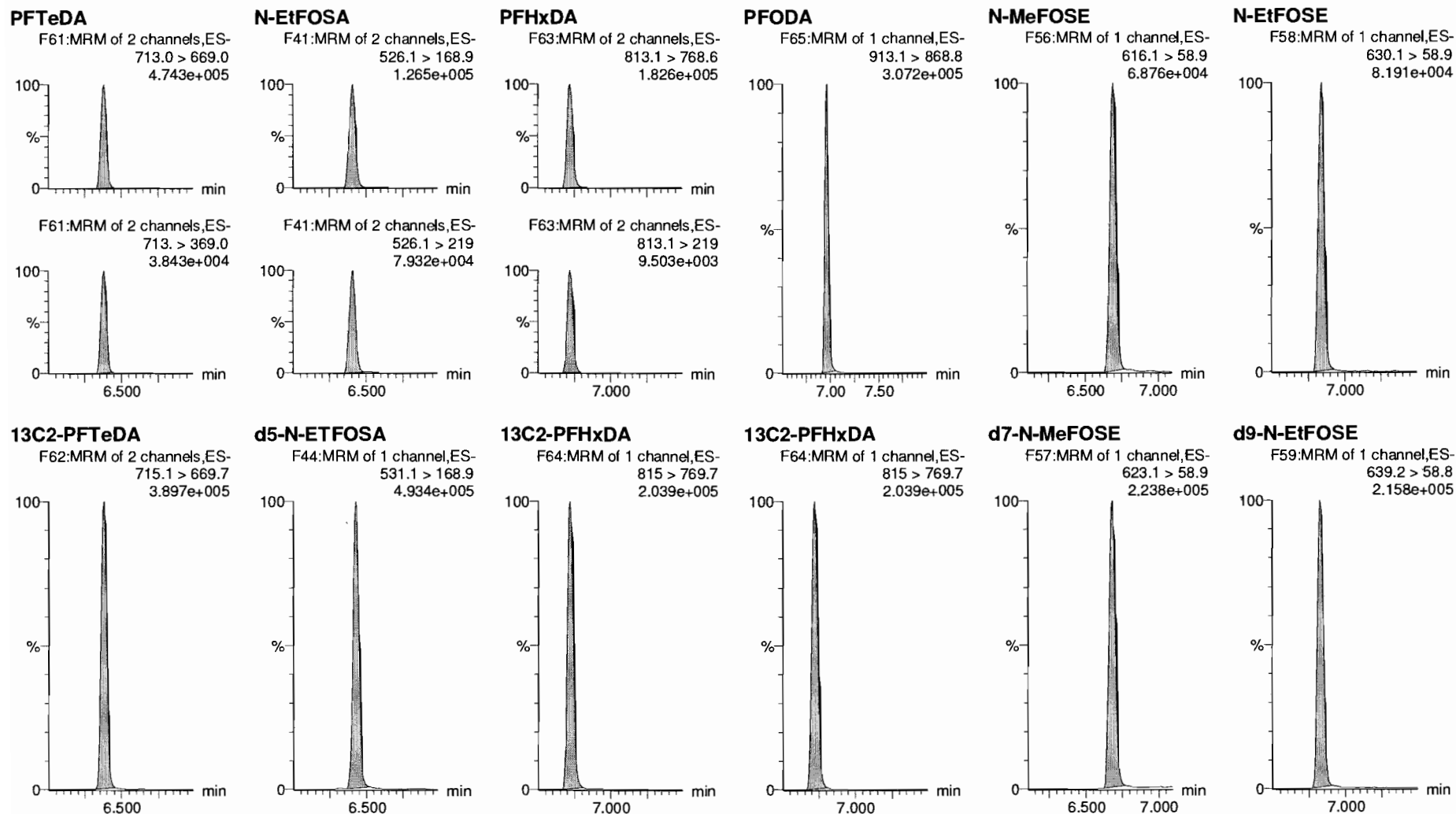
13C2-PFDoA



Dataset: F:\Projects\PFAS.PRO\Results\181127M1\181127M1-29.qld

Last Altered: Wednesday, November 28, 2018 07:37:38 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:38:20 Pacific Standard Time

Name: 181127M1_29, Date: 27-Nov-2018, Time: 18:23:26, ID: ST181127M1-3 PFC CS3 18K1906, Description: PFC CS3 18K1906



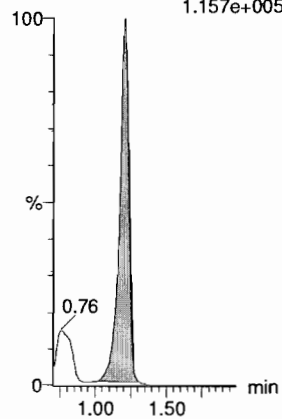
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Last Altered: Wednesday, November 28, 2018 07:37:38 Pacific Standard Time
Printed: Wednesday, November 28, 2018 07:38:20 Pacific Standard Time

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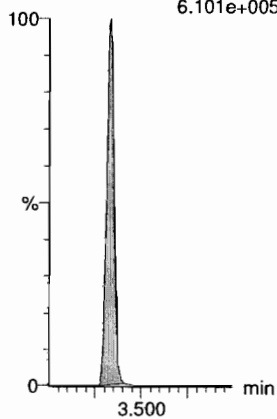
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.157e+005



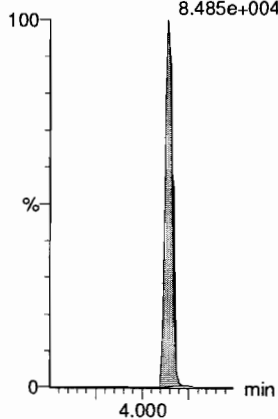
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
6.101e+005



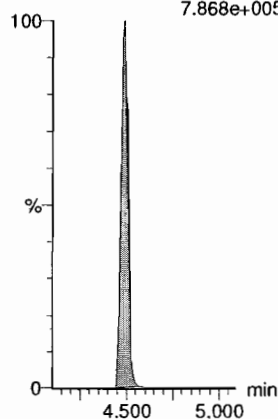
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
8.485e+004



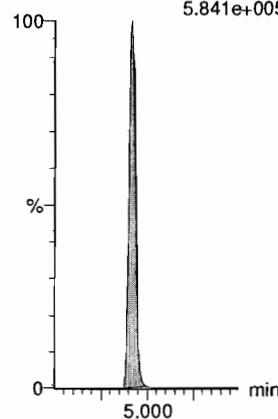
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
7.868e+005



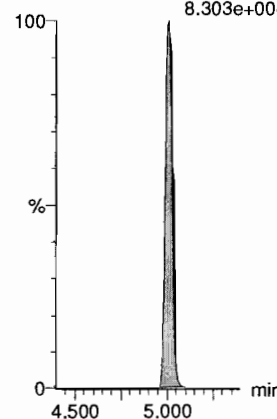
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.841e+005



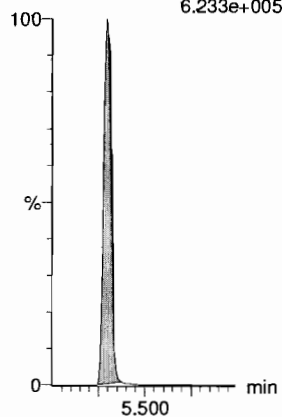
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.303e+004



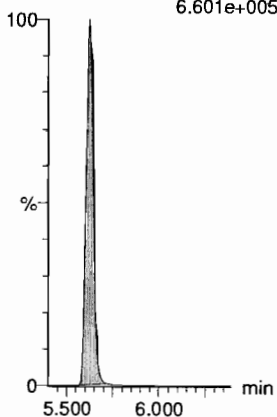
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
6.233e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.601e+005



INITIAL CALIBRATION (ICAL)
INCLUDING ASSOCIATED
INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:39:52 Pacific Standard Time

Low Points:
 PFHpS = 0.5
 L-MeFOSAA ↓

AD 11/26/18

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112618.mdb 26 Nov 2018 13:53:04
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

High Points:

4:2 FTS = 100.0
 6:2 FTS = ↓
 8:2 FTS = ↓

SCANNED
 11-27-18

Compound name: PFBA

Correlation coefficient: $r = 0.999908$, $r^2 = 0.999815$

Calibration curve: $1.16478 * x + 0.0685845$

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 181126M1_2	Standard	0.250	1.24	183.738	6270.790	0.366	0.3	2.2	NO	1.000	NO	bb
2	2 181126M1_3	Standard	0.500	1.25	340.934	6633.369	0.642	0.5	-1.5	NO	1.000	NO	bb
3	3 181126M1_4	Standard	1.000	1.24	642.564	6764.591	1.187	1.0	-3.9	NO	1.000	NO	MM
4	4 181126M1_5	Standard	2.000	1.24	1322.368	7071.333	2.338	1.9	-2.6	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	1.25	3643.227	6957.322	6.546	5.6	11.2	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	1.24	6138.045	6644.186	11.548	9.9	-1.4	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	1.25	31426.422	6904.515	56.895	48.8	-2.4	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	1.25	61698.742	6776.515	113.810	97.7	-2.3	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	1.25	159628.000	6830.738	292.113	250.7	0.3	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	1.25	313498.281	6694.321	585.381	502.5	0.5	NO	1.000	NO	MM

Compound name: PFPeA

Coefficient of Determination: $R^2 = 0.999820$

Calibration curve: $4.72356e-006 * x^2 + 0.945965 * x + 0.0647094$

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	1 181126M1_2	Standard	0.250	2.46	296.702	13715.434	0.270	0.2	-13.0	NO	1.000	NO	bb
2	2 181126M1_3	Standard	0.500	2.46	576.677	13723.302	0.525	0.5	-2.6	NO	1.000	NO	bb
3	3 181126M1_4	Standard	1.000	2.47	1163.755	14561.754	0.999	1.0	-1.2	NO	1.000	NO	bb
4	4 181126M1_5	Standard	2.000	2.47	2351.481	14296.794	2.056	2.1	5.2	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	2.47	6422.912	14592.260	5.502	5.7	15.0	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	2.47	10510.064	13932.524	9.429	9.9	-1.0	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	2.47	54578.820	14718.107	46.353	48.9	-2.2	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	2.47	106488.234	14155.756	94.033	99.3	-0.7	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	2.47	265132.813	13897.646	238.469	251.7	0.7	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	2.47	488747.781	12898.420	473.651	499.4	-0.1	NO	1.000	NO	bb

✓ CoD
 11/26/18

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:39:52 Pacific Standard Time

Compound name: PFBS

Coefficient of Determination: $R^2 = 0.997695$

Calibration curve: $-0.000161679 * x^2 + 2.06224 * x + 0.0291321$

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

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

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	2.80	73.448	1786.299	0.514	0.2	-6.0	NO	0.998	NO	bb
2	2 181126M1_3	Standard	0.500	2.80	177.174	1802.877	1.228	0.6	16.3	NO	0.998	NO	bb
3	3 181126M1_4	Standard	1.000	2.80	282.362	1800.875	1.960	0.9	-6.4	NO	0.998	NO	bb
4	4 181126M1_5	Standard	2.000	2.80	575.266	1859.173	3.868	1.9	-6.9	NO	0.998	NO	bb
5	5 181126M1_6	Standard	5.000	2.80	1728.002	1822.236	11.854	5.7	14.7	NO	0.998	NO	bb
6	6 181126M1_7	Standard	10.000	2.80	2914.542	1802.554	20.211	9.8	-2.1	NO	0.998	NO	bd
7	7 181126M1_8	Standard	50.000	2.80	14242.043	1924.595	92.500	45.0	-10.0	NO	0.998	NO	bb
8	8 181126M1_9	Standard	100.000	2.80	27722.197	1781.169	194.551	95.0	-5.0	NO	0.998	NO	bb
9	9 181126M1_10	Standard	250.000	2.80	67245.094	1561.142	538.429	266.6	6.7	NO	0.998	NO	bb
10	10 181126M1_11	Standard	500.000	2.81	116742.313	1493.188	977.291	492.9	-1.4	NO	0.998	NO	bb

Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.997744$

Calibration curve: $-0.00329241 * x^2 + 1.0746 * x + 0.0302455$

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 181126M1_2	Standard	0.250	3.27	90.849	4949.353	0.229	0.2	-25.8	NO	0.998	NO	bb
2	2 181126M1_3	Standard	0.500	3.27	222.315	4658.786	0.596	0.5	5.6	NO	0.998	NO	bb
3	3 181126M1_4	Standard	1.000	3.28	473.364	5081.407	1.164	1.1	5.9	NO	0.998	NO	bb
4	4 181126M1_5	Standard	2.000	3.28	868.578	4976.478	2.182	2.0	0.7	NO	0.998	NO	bb
5	5 181126M1_6	Standard	5.000	3.28	2461.108	4945.298	6.221	5.9	17.3	NO	0.998	NO	bb
6	6 181126M1_7	Standard	10.000	3.28	3902.045	4705.861	10.365	9.9	-0.8	NO	0.998	NO	bb
7	7 181126M1_8	Standard	50.000	3.28	18622.355	5303.523	43.891	47.8	-4.4	NO	0.998	NO	bb
8	8 181126M1_9	Standard	100.000	3.28	34287.551	5688.242	75.347	101.9	1.9	NO	0.998	NO	bb
9	9 181126M1_10	Standard	250.000	3.28	74749.492	6866.882	136.069			NO	0.998	NO	bbXI
10	10 181126M1_11	Standard	500.000	3.28	117960.859	8003.897	184.224			NO	0.998	NO	bbXI

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Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999832$
 Calibration curve: $-0.000104875 * x^2 + 0.943399 * x + 0.0492708$
 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 181126M1_2	Standard	0.250	3.36	543.690	9787.215	0.278	0.2	-3.1	NO	1.000	NO	MM
2	2 181126M1_3	Standard	0.500	3.36	1002.725	9629.179	0.521	0.5	-0.1	NO	1.000	NO	bb
3	3 181126M1_4	Standard	1.000	3.37	2160.279	10373.639	1.041	1.1	5.2	NO	1.000	NO	bb
4	4 181126M1_5	Standard	2.000	3.36	4246.874	10091.624	2.104	2.2	8.9	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	3.36	11085.394	10427.667	5.315	5.6	11.7	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	3.36	19080.154	10138.645	9.410	9.9	-0.7	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	3.36	95866.445	10164.805	47.156	50.2	0.4	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	3.36	187440.484	10236.929	91.551	98.1	-1.9	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	3.36	452512.406	9817.484	230.463	251.3	0.5	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	3.36	822435.563	9234.549	445.304	499.7	-0.1	NO	1.000	NO	bb

Compound name: PFPeS

Coefficient of Determination: $R^2 = 0.998416$
 Calibration curve: $-0.00034984 * x^2 + 1.67039 * x + 0.0318278$
 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	3.58	51.237	1786.299	0.359	0.2	-21.8	NO	0.998	NO	bb
2	2 181126M1_3	Standard	0.500	3.58	133.691	1802.877	0.927	0.5	7.2	NO	0.998	NO	bb
3	3 181126M1_4	Standard	1.000	3.58	238.063	1800.875	1.652	1.0	-3.0	NO	0.998	NO	bd
4	4 181126M1_5	Standard	2.000	3.58	574.238	1859.173	3.861	2.3	14.7	NO	0.998	NO	bb
5	5 181126M1_6	Standard	5.000	3.58	1401.943	1822.236	9.617	5.7	14.9	NO	0.998	NO	bb
6	6 181126M1_7	Standard	10.000	3.58	2301.248	1802.554	15.958	9.6	-4.5	NO	0.998	NO	bb
7	7 181126M1_8	Standard	50.000	3.58	11780.987	1924.595	76.516	46.2	-7.5	NO	0.998	NO	bb
8	8 181126M1_9	Standard	100.000	3.58	22362.012	1781.169	156.934	95.9	-4.1	NO	0.998	NO	bb
9	9 181126M1_10	Standard	250.000	3.58	51911.930	1561.142	415.657	263.3	5.3	NO	0.998	NO	bb
10	10 181126M1_11	Standard	500.000	3.58	88368.578	1493.188	739.764	494.0	-1.2	NO	0.998	NO	bb

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Compound name: PFHpA

Correlation coefficient: $r = 0.999783$, $r^2 = 0.999567$

Calibration curve: $1.30873 * x + 0.0886199$

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 181126M1_2	Standard	0.250	4.02	391.774	14063.499	0.348	0.2	-20.7	NO	1.000	NO	bb
2	2 181126M1_3	Standard	0.500	4.02	821.452	14566.622	0.705	0.5	-5.8	NO	1.000	NO	bb
3	3 181126M1_4	Standard	1.000	4.02	1646.863	14599.738	1.410	1.0	1.0	NO	1.000	NO	bb
4	4 181126M1_5	Standard	2.000	4.02	3230.693	13961.896	2.892	2.1	7.1	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	4.02	8943.927	14034.775	7.966	6.0	20.4	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	4.02	14191.912	13678.921	12.969	9.8	-1.6	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	4.02	73303.828	14249.999	64.302	49.1	-1.9	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	4.02	137761.203	13058.787	131.866	100.7	0.7	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	4.02	333762.781	12520.175	333.225	254.5	1.8	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	4.02	576309.688	11123.910	647.602	494.8	-1.0	NO	1.000	NO	bb

Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.998700$

Calibration curve: $7.11978e-005 * x^2 + 1.94438 * x + -0.00102564$

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

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

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	4.15	63.089	1490.698	0.529	0.3	9.0	NO	0.999	NO	MM
2	2 181126M1_3	Standard	0.500	4.16	102.182	1447.785	0.882	0.5	-9.1	NO	0.999	NO	MM
3	3 181126M1_4	Standard	1.000	4.16	242.957	1581.371	1.920	1.0	-1.2	NO	0.999	NO	MM
4	4 181126M1_5	Standard	2.000	4.16	471.273	1558.457	3.780	1.9	-2.8	NO	0.999	NO	MM
5	5 181126M1_6	Standard	5.000	4.16	1417.070	1526.846	11.601	6.0	19.3	NO	0.999	NO	MM
6	6 181126M1_7	Standard	10.000	4.16	2169.523	1542.694	17.579	9.0	-9.6	NO	0.999	NO	MM
7	7 181126M1_8	Standard	50.000	4.16	11650.288	1579.074	92.224	47.3	-5.3	NO	0.999	NO	MM
8	8 181126M1_9	Standard	100.000	4.16	22089.543	1478.125	186.804	95.7	-4.3	NO	0.999	NO	MM
9	9 181126M1_10	Standard	250.000	4.16	53430.172	1300.621	513.506	261.6	4.6	NO	0.999	NO	MM
10	10 181126M1_11	Standard	500.000	4.16	95683.875	1219.567	980.716	495.4	-0.9	NO	0.999	NO	MM

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Compound name: 6:2 FTS

Coefficient of Determination: R² = 0.997882

Calibration curve: -0.0044139 * x² + 1.28489 * x + 0.0365766

Response type: Internal Std (Ref 43), 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 181126M1_2	Standard	0.250	4.46	147.008	5225.320	0.352	0.2	-1.8	NO	0.998	NO	bb
2	2 181126M1_3	Standard	0.500	4.46	259.646	5165.596	0.628	0.5	-7.7	NO	0.998	NO	bb
3	3 181126M1_4	Standard	1.000	4.46	573.600	5387.143	1.331	1.0	1.1	NO	0.998	NO	bb
4	4 181126M1_5	Standard	2.000	4.46	1126.191	5074.225	2.774	2.1	7.3	NO	0.998	NO	bb
5	5 181126M1_6	Standard	5.000	4.46	3033.546	5181.676	7.318	5.8	15.6	NO	0.998	NO	bb
6	6 181126M1_7	Standard	10.000	4.46	4878.658	4894.738	12.459	10.0	0.1	NO	0.998	NO	bb
7	7 181126M1_8	Standard	50.000	4.46	22742.309	5563.122	51.101	47.5	-5.0	NO	0.998	NO	bb
8	8 181126M1_9	Standard	100.000	4.46	41145.855	6022.125	85.406	102.6	2.6	NO	0.998	NO	bb
9	9 181126M1_10	Standard	250.000	4.46	92251.859	7202.659	160.100			NO	0.998	NO	bbXI
10	10 181126M1_11	Standard	500.000	4.46	150251.734	9468.253	198.363			NO	0.998	NO	bbXI

Compound name: L-PFOA

Coefficient of Determination: R² = 0.999794

Calibration curve: 3.30794e-005 * x² + 1.35692 * x + 0.157598

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 181126M1_2	Standard	0.250	4.50	859.697	24359.602	0.441	0.2	-16.4	NO	1.000	NO	bb
2	2 181126M1_3	Standard	0.500	4.51	1402.470	24354.520	0.720	0.4	-17.1	NO	1.000	NO	bb
3	3 181126M1_4	Standard	1.000	4.51	3123.076	24178.301	1.615	1.1	7.4	NO	1.000	NO	bb
4	4 181126M1_5	Standard	2.000	4.51	5800.527	23443.150	3.093	2.2	8.2	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	4.51	15085.033	23552.342	8.006	5.8	15.7	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	4.51	25699.873	22507.277	14.273	10.4	4.0	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	4.51	129049.719	23848.943	67.639	49.7	-0.7	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	4.52	241531.141	22357.822	135.037	99.2	-0.8	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	4.52	588288.500	21588.547	340.625	249.4	-0.2	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	4.52	1097817.125	19958.678	687.556	500.5	0.1	NO	1.000	NO	bb

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Compound name: PFHpS

Coefficient of Determination: R² = 0.999257

Calibration curve: -2.62046e-005 * x² + 0.932171 * x + 0.0595585

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 181126M1_2	Standard	0.250	4.61	37.734	3276.263	0.144	0.1	-63.8	YES	0.999	NO	bbX
2	2 181126M1_3	Standard	0.500	4.62	124.551	3416.156	0.456	0.4	-15.0	NO	0.999	NO	bb
3	3 181126M1_4	Standard	1.000	4.62	296.909	3743.129	0.992	1.0	-0.0	NO	0.999	NO	bb
4	4 181126M1_5	Standard	2.000	4.62	580.380	3748.331	1.935	2.0	0.6	NO	0.999	NO	bb
5	5 181126M1_6	Standard	5.000	4.62	1591.427	3674.965	5.413	5.7	14.9	NO	0.999	NO	bb
6	6 181126M1_7	Standard	10.000	4.62	2597.803	3393.818	9.568	10.2	2.0	NO	0.999	NO	bb
7	7 181126M1_8	Standard	50.000	4.62	13942.404	3698.358	47.124	50.6	1.1	NO	0.999	NO	bb
8	8 181126M1_9	Standard	100.000	4.63	25496.764	3638.886	87.584	94.1	-5.9	NO	0.999	NO	bb
9	9 181126M1_10	Standard	250.000	4.63	60578.254	3187.154	237.588	256.7	2.7	NO	0.999	NO	bb
10	10 181126M1_11	Standard	500.000	4.63	106407.352	2906.952	457.556	497.8	-0.4	NO	0.999	NO	bb

Compound name: PFNA

Coefficient of Determination: R² = 0.999758

Calibration curve: -0.000123392 * x² + 1.25051 * x + 0.0436441

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	4.93	537.912	22295.369	0.302	0.2	-17.5	NO	1.000	NO	bd
2	2 181126M1_3	Standard	0.500	4.94	1200.616	21931.633	0.684	0.5	2.5	NO	1.000	NO	bd
3	3 181126M1_4	Standard	1.000	4.94	2409.214	23014.137	1.309	1.0	1.2	NO	1.000	NO	bb
4	4 181126M1_5	Standard	2.000	4.94	4898.088	22367.645	2.737	2.2	7.7	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	4.94	13174.647	23199.723	7.098	5.6	12.9	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	4.94	21293.529	22312.191	11.929	9.5	-4.9	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	4.94	111154.172	22610.824	61.450	49.3	-1.3	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	4.94	210237.266	21568.918	121.840	98.4	-1.6	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	4.94	500506.188	20252.943	308.910	253.3	1.3	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	4.94	857858.188	18084.188	592.962	498.7	-0.3	NO	1.000	NO	bb

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Compound name: PFOSA

Coefficient of Determination: $R^2 = 0.999684$

Calibration curve: $0.000109224 * x^2 + 1.13948 * x + -0.0243111$

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	4.98	37.764	2329.393	0.203	0.2	-20.3	NO	1.000	NO	bb
2	2 181126M1_3	Standard	0.500	4.98	110.152	2448.447	0.562	0.5	3.0	NO	1.000	NO	bb
3	3 181126M1_4	Standard	1.000	4.98	237.631	2561.796	1.159	1.0	3.9	NO	1.000	NO	bb
4	4 181126M1_5	Standard	2.000	4.98	493.075	2603.493	2.367	2.1	4.9	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	4.98	1413.673	2769.347	6.381	5.6	12.4	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	4.98	2401.244	2637.660	11.380	10.0	-0.0	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	4.98	12441.413	2806.031	55.423	48.4	-3.1	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	4.99	23978.666	2666.454	112.409	97.8	-2.2	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	4.99	61185.637	2571.153	297.462	254.8	1.9	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	4.99	114742.234	2411.273	594.822	498.2	-0.4	NO	1.000	NO	bb

Compound name: L-PFOS

Correlation coefficient: $r = 0.999291$, $r^2 = 0.998583$

Calibration curve: $1.09502 * x + 0.0459904$

Response type: Internal Std (Ref 47), 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 181126M1_2	Standard	0.250	5.03	84.610	3276.263	0.323	0.3	1.1	NO	0.999	NO	MM
2	2 181126M1_3	Standard	0.500	5.02	184.315	3416.156	0.674	0.6	14.8	NO	0.999	NO	MM
3	3 181126M1_4	Standard	1.000	5.03	353.854	3743.129	1.182	1.0	3.7	NO	0.999	NO	MM
4	4 181126M1_5	Standard	2.000	5.03	653.485	3748.331	2.179	1.9	-2.6	NO	0.999	NO	MM
5	5 181126M1_6	Standard	5.000	5.03	1798.805	3674.965	6.118	5.5	10.9	NO	0.999	NO	MM
6	6 181126M1_7	Standard	10.000	5.03	2942.006	3393.818	10.836	9.9	-1.5	NO	0.999	NO	MM
7	7 181126M1_8	Standard	50.000	5.03	15189.169	3698.358	51.338	46.8	-6.3	NO	0.999	NO	MM
8	8 181126M1_9	Standard	100.000	5.03	29498.684	3638.886	101.331	92.5	-7.5	NO	0.999	NO	MM
9	9 181126M1_10	Standard	250.000	5.03	72760.766	3187.154	285.367	260.6	4.2	NO	0.999	NO	MM
10	10 181126M1_11	Standard	500.000	5.03	127245.672	2906.952	547.161	499.6	-0.1	NO	0.999	NO	MM

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Compound name: PFDA

Coefficient of Determination: R² = 0.999437

Calibration curve: $-0.000121158 * x^2 + 1.3134 * x + 0.026774$

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 181126M1_2	Standard	0.250	5.31	493.215	21127.947	0.292	0.2	-19.3	NO	0.999	NO	bb
2	2 181126M1_3	Standard	0.500	5.31	1055.351	20915.982	0.631	0.5	-8.0	NO	0.999	NO	bb
3	3 181126M1_4	Standard	1.000	5.31	2556.062	22735.521	1.405	1.0	5.0	NO	0.999	NO	bb
4	4 181126M1_5	Standard	2.000	5.32	4856.033	22345.748	2.716	2.0	2.4	NO	0.999	NO	bb
5	5 181126M1_6	Standard	5.000	5.31	14504.808	21456.660	8.450	6.4	28.3	NO	0.999	NO	bb
6	6 181126M1_7	Standard	10.000	5.32	21679.984	22033.270	12.300	9.4	-6.5	NO	0.999	NO	bb
7	7 181126M1_8	Standard	50.000	5.32	113078.391	22018.436	64.195	49.1	-1.8	NO	0.999	NO	bb
8	8 181126M1_9	Standard	100.000	5.32	219513.250	21141.234	129.790	99.7	-0.3	NO	0.999	NO	bb
9	9 181126M1_10	Standard	250.000	5.32	513148.719	19950.951	321.506	250.6	0.2	NO	0.999	NO	bb
10	10 181126M1_11	Standard	500.000	5.33	913019.563	18223.094	626.279	499.9	-0.0	NO	0.999	NO	bb

Compound name: 8:2 FTS

Coefficient of Determination: R² = 0.998754

Calibration curve: $-0.0045567 * x^2 + 1.55189 * x + 0.0660151$

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	5.28	148.253	4148.165	0.447	0.2	-1.8	NO	0.999	NO	bb
2	2 181126M1_3	Standard	0.500	5.28	290.829	4224.977	0.860	0.5	2.5	NO	0.999	NO	bb
3	3 181126M1_4	Standard	1.000	5.28	463.741	4109.911	1.410	0.9	-13.1	NO	0.999	NO	bb
4	4 181126M1_5	Standard	2.000	5.28	953.692	3657.264	3.260	2.1	3.5	NO	0.999	NO	bb
5	5 181126M1_6	Standard	5.000	5.28	2650.359	3800.459	8.717	5.7	13.4	NO	0.999	NO	bb
6	6 181126M1_7	Standard	10.000	5.29	4293.809	3672.164	14.616	9.6	-3.5	NO	0.999	NO	bb
7	7 181126M1_8	Standard	50.000	5.28	21138.963	4037.449	65.447	49.3	-1.5	NO	0.999	NO	bb
8	8 181126M1_9	Standard	100.000	5.29	38432.820	4363.402	110.100	100.6	0.6	NO	0.999	NO	bb
9	9 181126M1_10	Standard	250.000	5.29	81069.391	5899.837	171.762			NO	0.999	NO	bbXI
10	10 181126M1_11	Standard	500.000	5.29	131198.281	7314.130	224.221			NO	0.999	YES	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

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Compound name: PFNS

Coefficient of Determination: R² = 0.998671

Calibration curve: $-6.14234e-005 * x^2 + 0.762317 * x + 0.0530889$

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 181126M1_2	Standard	0.250	5.38	71.132	3276.263	0.271	0.3	14.5	NO	0.999	NO	bb
2	2 181126M1_3	Standard	0.500	5.38	88.689	3416.156	0.325	0.4	-28.8	NO	0.999	NO	bb
3	3 181126M1_4	Standard	1.000	5.38	264.160	3743.129	0.882	1.1	8.8	NO	0.999	NO	bb
4	4 181126M1_5	Standard	2.000	5.38	447.030	3748.331	1.491	1.9	-5.7	NO	0.999	NO	bb
5	5 181126M1_6	Standard	5.000	5.38	1279.236	3674.965	4.351	5.6	12.8	NO	0.999	NO	bb
6	6 181126M1_7	Standard	10.000	5.38	2185.486	3393.818	8.050	10.5	5.0	NO	0.999	NO	bb
7	7 181126M1_8	Standard	50.000	5.38	10731.038	3698.358	36.270	47.7	-4.6	NO	0.999	NO	bb
8	8 181126M1_9	Standard	100.000	5.39	20767.127	3638.886	71.338	94.2	-5.8	NO	0.999	NO	bb
9	9 181126M1_10	Standard	250.000	5.38	49811.875	3187.154	195.362	261.7	4.7	NO	0.999	NO	bb
10	10 181126M1_11	Standard	500.000	5.39	84324.992	2906.952	362.601	495.4	-0.9	NO	0.999	NO	bb

Compound name: L-MeFOSAA

Coefficient of Determination: R² = 0.998550

Calibration curve: $-0.00052965 * x^2 + 2.90523 * x + 0.0881852$

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	5.47	110.370	3699.583	0.373	0.1	-60.8	YES	0.999	NO	MMX
2	2 181126M1_3	Standard	0.500	5.47	405.738	3511.724	1.444	0.5	-6.6	NO	0.999	NO	MM
3	3 181126M1_4	Standard	1.000	5.47	973.701	3825.910	3.181	1.1	6.5	NO	0.999	NO	MM
4	4 181126M1_5	Standard	2.000	5.48	1860.614	3744.315	6.211	2.1	5.4	NO	0.999	NO	MM
5	5 181126M1_6	Standard	5.000	5.47	4599.163	3621.836	15.873	5.4	8.8	NO	0.999	NO	MM
6	6 181126M1_7	Standard	10.000	5.48	8016.689	3678.562	27.241	9.4	-6.4	NO	0.999	NO	MM
7	7 181126M1_8	Standard	50.000	5.48	42003.703	3541.941	148.237	51.5	3.0	NO	0.999	NO	MM
8	8 181126M1_9	Standard	100.000	5.48	79657.992	3788.505	262.828	92.0	-8.0	NO	0.999	NO	MM
9	9 181126M1_10	Standard	250.000	5.48	188039.656	3255.628	721.979	260.9	4.4	NO	0.999	NO	MM
10	10 181126M1_11	Standard	500.000	5.48	330967.375	3157.978	1310.045	495.7	-0.9	NO	0.999	NO	MM

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Compound name: L-EtFOSAA

Coefficient of Determination: R² = 0.999862

Calibration curve: $0.000386736 * x^2 + 1.61077 * x + 0.0602011$

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 181126M1_2	Standard	0.250	5.63	146.384	4528.725	0.404	0.2	-14.6	NO	1.000	NO	MM
2	2 181126M1_3	Standard	0.500	5.63	332.970	5076.554	0.820	0.5	-5.7	NO	1.000	NO	MM
3	3 181126M1_4	Standard	1.000	5.63	779.600	5526.345	1.763	1.1	5.7	NO	1.000	NO	MM
4	4 181126M1_5	Standard	2.000	5.63	1485.310	5456.494	3.403	2.1	3.7	NO	1.000	NO	MM
5	5 181126M1_6	Standard	5.000	5.63	4041.750	5491.763	9.200	5.7	13.3	NO	1.000	NO	MM
6	6 181126M1_7	Standard	10.000	5.63	6876.887	5467.541	15.722	9.7	-3.0	NO	1.000	NO	MM
7	7 181126M1_8	Standard	50.000	5.63	34404.953	5239.788	82.076	50.3	0.6	NO	1.000	NO	MM
8	8 181126M1_9	Standard	100.000	5.63	64816.547	4876.164	166.157	100.7	0.7	NO	1.000	NO	MM
9	9 181126M1_10	Standard	250.000	5.63	148925.406	4403.293	422.767	247.7	-0.9	NO	1.000	NO	MM
10	10 181126M1_11	Standard	500.000	5.63	256751.625	3550.520	903.923	500.9	0.2	NO	1.000	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112618.mdb 26 Nov 2018 13:53:04
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Compound name: PFUDa

Coefficient of Determination: R² = 0.999703

Calibration curve: -0.000152898 * x² + 0.969236 * x + 0.0723136

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 181126M1_2	Standard	0.250	5.64	595.664	25976.096	0.287	0.2	-11.5	NO	1.000	NO	bd
2	2 181126M1_3	Standard	0.500	5.65	1120.343	25586.691	0.547	0.5	-2.0	NO	1.000	NO	bb
3	3 181126M1_4	Standard	1.000	5.65	2211.564	27670.049	0.999	1.0	-4.4	NO	1.000	NO	db
4	4 181126M1_5	Standard	2.000	5.65	4563.838	26258.051	2.173	2.2	8.4	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	5.65	12366.179	27247.850	5.673	5.8	15.7	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	5.65	19330.379	25918.631	9.323	9.6	-4.4	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	5.65	100258.570	26225.896	47.786	49.6	-0.8	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	5.65	191519.938	25584.975	93.571	98.0	-2.0	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	5.65	441344.219	23407.137	235.689	253.2	1.3	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	5.65	761098.375	21357.555	445.450	498.8	-0.2	NO	1.000	NO	bb

Compound name: PFDS

Coefficient of Determination: R² = 0.998317

Calibration curve: -0.000138966 * x² + 1.04937 * x + 0.0115389

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 181126M1_2	Standard	0.250	5.69	61.728	3276.263	0.236	0.2	-14.6	NO	0.998	NO	bb
2	2 181126M1_3	Standard	0.500	5.69	164.466	3416.156	0.602	0.6	12.5	NO	0.998	NO	bb
3	3 181126M1_4	Standard	1.000	5.69	281.841	3743.129	0.941	0.9	-11.4	NO	0.998	NO	bb
4	4 181126M1_5	Standard	2.000	5.70	697.649	3748.331	2.327	2.2	10.3	NO	0.998	NO	bb
5	5 181126M1_6	Standard	5.000	5.69	1721.918	3674.965	5.857	5.6	11.5	NO	0.998	NO	bb
6	6 181126M1_7	Standard	10.000	5.70	2829.394	3393.818	10.421	9.9	-0.7	NO	0.998	NO	bb
7	7 181126M1_8	Standard	50.000	5.70	14431.456	3698.358	48.777	46.8	-6.5	NO	0.998	NO	bb
8	8 181126M1_9	Standard	100.000	5.70	28465.041	3638.886	97.781	94.3	-5.7	NO	0.998	NO	bb
9	9 181126M1_10	Standard	250.000	5.70	68244.000	3187.154	267.653	264.3	5.7	NO	0.998	NO	bb
10	10 181126M1_11	Standard	500.000	5.70	112661.602	2906.952	484.449	494.0	-1.2	NO	0.998	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

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Compound name: PFDoA

Coefficient of Determination: R² = 0.999868

Calibration curve: $-0.000134587 * x^2 + 1.16156 * x + 0.0671424$

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

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

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	5.93	645.754	25354.904	0.318	0.2	-13.5	NO	1.000	NO	bb
2	2 181126M1_3	Standard	0.500	5.93	1238.638	25224.803	0.614	0.5	-5.9	NO	1.000	NO	bd
3	3 181126M1_4	Standard	1.000	5.93	2640.428	26488.537	1.246	1.0	1.5	NO	1.000	NO	bb
4	4 181126M1_5	Standard	2.000	5.93	5064.328	25356.541	2.497	2.1	4.6	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	5.93	13815.301	27050.830	6.384	5.4	8.8	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	5.93	23006.129	23270.566	12.358	10.6	5.9	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	5.93	115967.875	25114.900	57.719	49.9	-0.2	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	5.93	220463.922	24371.867	113.073	98.4	-1.6	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	5.93	523928.125	23172.217	282.627	250.5	0.2	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	5.93	906910.813	20714.875	547.258	500.1	0.0	NO	1.000	NO	bb

Compound name: N-MeFOSA

Coefficient of Determination: R² = 0.999421

Calibration curve: $-3.87935e-005 * x^2 + 0.953523 * x + 0.468324$

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

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

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	1.250	5.93	119.766	11953.504	1.503	1.1	-13.2	NO	0.999	NO	bb
2	2 181126M1_3	Standard	2.500	5.94	247.098	11746.337	3.155	2.8	12.7	NO	0.999	NO	bb
3	3 181126M1_4	Standard	5.000	5.94	443.889	11694.007	5.694	5.5	9.6	NO	0.999	NO	bb
4	4 181126M1_5	Standard	10.000	5.94	851.844	11465.957	11.144	11.2	12.0	NO	0.999	NO	bb
5	5 181126M1_6	Standard	25.000	5.94	2224.112	11840.089	28.177	29.1	16.4	NO	0.999	NO	bb
6	6 181126M1_7	Standard	50.000	5.94	3701.474	11131.010	49.881	51.9	3.9	NO	0.999	NO	bb
7	7 181126M1_8	Standard	250.000	5.94	18637.240	12241.498	228.370	241.4	-3.4	NO	0.999	NO	bb
8	8 181126M1_9	Standard	500.000	5.95	37200.367	11611.420	480.566	514.3	2.9	NO	0.999	NO	bb
9	9 181126M1_10	Standard	1250.000	5.95	87847.688	11864.808	1110.60E	1225.3	-2.0	NO	0.999	NO	bb
10	10 181126M1_11	Standard	2500.000	5.95	161531.891	11267.006	2150.508	2511.4	0.5	NO	0.999	NO	bb

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Compound name: PFTrDA

Coefficient of Determination: $R^2 = 0.999827$

Calibration curve: $-4.24277e-005 * x^2 + 1.15539 * x + 0.0691663$

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

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

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	6.17	650.821	25354.904	0.321	0.2	-12.9	NO	1.000	NO	bd
2	2 181126M1_3	Standard	0.500	6.18	1256.560	25224.803	0.623	0.5	-4.2	NO	1.000	NO	bb
3	3 181126M1_4	Standard	1.000	6.18	2471.074	26488.537	1.166	0.9	-5.1	NO	1.000	NO	bb
4	4 181126M1_5	Standard	2.000	6.18	5185.712	25356.541	2.556	2.2	7.6	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	6.18	14089.136	27050.830	6.510	5.6	11.5	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	6.18	22218.727	23270.566	11.935	10.3	2.7	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	6.18	118548.289	25114.900	59.003	51.1	2.2	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	6.18	220604.203	24371.867	113.145	98.2	-1.8	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	6.18	528676.313	23172.217	285.189	249.1	-0.4	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	6.18	941217.875	20714.875	567.960	500.7	0.1	NO	1.000	NO	bb

Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999640$

Calibration curve: $-0.000300636 * x^2 + 1.62832 * x + 0.0899878$

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

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

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	6.39	539.250	14333.310	0.470	0.2	-6.6	NO	1.000	NO	bb
2	2 181126M1_3	Standard	0.500	6.40	1051.210	14532.341	0.904	0.5	0.0	NO	1.000	NO	bb
3	3 181126M1_4	Standard	1.000	6.40	2050.983	15629.965	1.640	1.0	-4.8	NO	1.000	NO	bb
4	4 181126M1_5	Standard	2.000	6.39	4309.994	15493.746	3.477	2.1	4.0	NO	1.000	NO	bb
5	5 181126M1_6	Standard	5.000	6.40	11641.705	15853.647	9.179	5.6	11.8	NO	1.000	NO	bb
6	6 181126M1_7	Standard	10.000	6.40	19449.658	14923.140	16.292	10.0	-0.3	NO	1.000	NO	bb
7	7 181126M1_8	Standard	50.000	6.40	100572.320	16310.112	77.078	47.7	-4.6	NO	1.000	NO	bb
8	8 181126M1_9	Standard	100.000	6.40	196100.344	15502.673	158.118	98.9	-1.1	NO	1.000	NO	bb
9	9 181126M1_10	Standard	250.000	6.39	469956.969	14833.304	396.032	255.2	2.1	NO	1.000	NO	bb
10	10 181126M1_11	Standard	500.000	6.40	791250.375	13438.607	735.986	497.7	-0.5	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

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Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999752$

Calibration curve: $-4.89024e-005 * x^2 + 0.875046 * x + 0.265554$

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	1.250	6.43	140.858	15262.959	1.384	1.3	2.3	NO	1.000	NO	bb
2	2 181126M1_3	Standard	2.500	6.43	232.454	16027.104	2.176	2.2	-12.7	NO	1.000	NO	bb
3	3 181126M1_4	Standard	5.000	6.43	585.605	18601.041	4.722	5.1	1.9	NO	1.000	NO	bb
4	4 181126M1_5	Standard	10.000	6.43	1230.676	19918.102	9.268	10.3	2.9	NO	1.000	NO	bb
5	5 181126M1_6	Standard	25.000	6.43	3266.325	20324.578	24.106	27.3	9.1	NO	1.000	NO	bb
6	6 181126M1_7	Standard	50.000	6.43	5529.787	19247.895	43.094	49.1	-1.8	NO	1.000	NO	bb
7	7 181126M1_8	Standard	250.000	6.43	28386.855	19814.482	214.895	248.7	-0.5	NO	1.000	NO	bb
8	8 181126M1_9	Standard	500.000	6.43	53878.910	19491.674	414.630	486.8	-2.6	NO	1.000	NO	bb
9	9 181126M1_10	Standard	1250.000	6.43	132572.609	19221.986	1034.539	1272.5	1.8	NO	1.000	NO	bb
10	10 181126M1_11	Standard	2500.000	6.43	224072.266	17915.363	1876.090	2490.3	-0.4	NO	1.000	NO	bb

Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.998670$

Calibration curve: $-9.94628e-005 * x^2 + 0.395894 * x + 0.0669369$

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	6.73	225.952	6889.798	0.164	0.2	-1.9	NO	0.999	NO	bb
2	2 181126M1_3	Standard	0.500	6.73	376.403	7098.292	0.265	0.5	0.1	NO	0.999	NO	bb
3	3 181126M1_4	Standard	1.000	6.73	727.130	8009.421	0.454	1.0	-2.2	NO	0.999	NO	bb
4	4 181126M1_5	Standard	2.000	6.73	1397.181	8091.949	0.863	2.0	0.6	NO	0.999	NO	bb
5	5 181126M1_6	Standard	5.000	6.73	4085.416	8466.808	2.413	5.9	18.7	NO	0.999	NO	MM
6	6 181126M1_7	Standard	10.000	6.73	5486.094	7582.587	3.618	9.0	-10.1	NO	0.999	NO	MM
7	7 181126M1_8	Standard	50.000	6.73	32428.545	8679.925	18.680	47.6	-4.8	NO	0.999	NO	bb
8	8 181126M1_9	Standard	100.000	6.74	63093.250	8488.328	37.165	96.0	-4.0	NO	0.999	NO	bb
9	9 181126M1_10	Standard	250.000	6.74	156318.594	8060.974	96.960	262.0	4.8	NO	0.999	NO	bb
10	10 181126M1_11	Standard	500.000	6.74	266713.313	7776.927	171.477	494.4	-1.1	NO	0.999	NO	bb

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Compound name: PFODA

Coefficient of Determination: R² = 0.999437

Calibration curve: -0.000110262 * x² + 0.704083 * x + 0.0275186

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	0.250	6.97	264.722	6889.798	0.192	0.2	-6.5	NO	0.999	NO	bb
2	2 181126M1_3	Standard	0.500	6.97	535.462	7098.292	0.377	0.5	-0.7	NO	0.999	NO	bb
3	3 181126M1_4	Standard	1.000	6.97	1192.476	8009.421	0.744	1.0	1.8	NO	0.999	NO	bb
4	4 181126M1_5	Standard	2.000	6.97	2386.819	8091.949	1.475	2.1	2.8	NO	0.999	NO	bb
5	5 181126M1_6	Standard	5.000	6.97	7024.528	8466.808	4.148	5.9	17.2	NO	0.999	NO	bb
6	6 181126M1_7	Standard	10.000	6.97	11199.354	7582.587	7.385	10.5	4.7	NO	0.999	NO	bb
7	7 181126M1_8	Standard	50.000	6.97	59971.836	8679.925	34.546	49.4	-1.2	NO	0.999	NO	bb
8	8 181126M1_9	Standard	100.000	6.97	112768.000	8488.328	66.425	95.7	-4.3	NO	0.999	NO	bb
9	9 181126M1_10	Standard	250.000	6.97	278318.969	8060.974	172.634	255.4	2.1	NO	0.999	NO	bb
10	10 181126M1_11	Standard	500.000	6.97	502972.500	7776.927	323.375	498.1	-0.4	NO	0.999	NO	bb

Compound name: N-MeFOSE

Coefficient of Determination: R² = 0.999885

Calibration curve: 1.26969e-005 * x² + 0.895945 * x + 0.479162

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	1.250	6.70	102.481	9613.644	1.599	1.2	-0.0	NO	1.000	NO	MM
2	2 181126M1_3	Standard	2.500	6.70	175.783	9970.688	2.644	2.4	-3.3	NO	1.000	NO	bb
3	3 181126M1_4	Standard	5.000	6.70	320.276	10409.790	4.615	4.6	-7.7	NO	1.000	NO	bb
4	4 181126M1_5	Standard	10.000	6.70	685.982	10378.408	9.915	10.5	5.3	NO	1.000	NO	bb
5	5 181126M1_6	Standard	25.000	6.69	1741.865	10389.321	25.149	27.5	10.1	NO	1.000	NO	bb
6	6 181126M1_7	Standard	50.000	6.70	2858.348	9705.995	44.174	48.7	-2.5	NO	1.000	NO	bb
7	7 181126M1_8	Standard	250.000	6.69	15229.308	10357.785	220.549	244.8	-2.1	NO	1.000	NO	bb
8	8 181126M1_9	Standard	500.000	6.70	30430.609	10143.168	450.016	498.2	-0.4	NO	1.000	NO	bb
9	9 181126M1_10	Standard	1250.000	6.70	78307.102	10223.422	1148.937	1259.4	0.7	NO	1.000	NO	bb
10	10 181126M1_11	Standard	2500.000	6.70	148090.328	9590.735	2316.147	2496.3	-0.1	NO	1.000	NO	bb

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Compound name: N-EtFOSE

Coefficient of Determination: R² = 0.999668

Calibration curve: 1.15732e-006 * x² + 1.14211 * x + 0.352591

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	1.250	6.84	93.317	8485.106	1.650	1.1	-9.1	NO	1.000	NO	bb
2	2 181126M1_3	Standard	2.500	6.84	177.386	8904.628	2.988	2.3	-7.7	NO	1.000	NO	bb
3	3 181126M1_4	Standard	5.000	6.84	435.865	9999.587	6.538	5.4	8.3	NO	1.000	NO	bb
4	4 181126M1_5	Standard	10.000	6.84	813.770	9705.979	12.576	10.7	7.0	NO	1.000	NO	bb
5	5 181126M1_6	Standard	25.000	6.84	2093.998	9902.425	31.719	27.5	9.9	NO	1.000	NO	bb
6	6 181126M1_7	Standard	50.000	6.84	3449.748	9565.112	54.099	47.1	-5.9	NO	1.000	NO	bb
7	7 181126M1_8	Standard	250.000	6.84	18169.016	9699.960	280.965	245.6	-1.7	NO	1.000	NO	bb
8	8 181126M1_9	Standard	500.000	6.85	36455.391	9803.931	557.767	487.8	-2.4	NO	1.000	NO	bb
9	9 181126M1_10	Standard	1250.000	6.84	93862.227	9641.881	1460.227	1276.6	2.1	NO	1.000	NO	bb
10	10 181126M1_11	Standard	2500.000	6.84	176096.641	9265.136	2850.956	2489.6	-0.4	NO	1.000	NO	bb

Compound name: 13C3-PFBA

Response Factor: 0.787485

RRF SD: 0.0228362, Relative SD: 2.89989

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 181126M1_2	Standard	12.500	1.23	6270.790	7908.070	9.912	12.6	0.7	NO		NO	bb
2	2 181126M1_3	Standard	12.500	1.24	6633.369	8749.445	9.477	12.0	-3.7	NO		NO	MM
3	3 181126M1_4	Standard	12.500	1.24	6764.591	8407.808	10.057	12.8	2.2	NO		NO	bb
4	4 181126M1_5	Standard	12.500	1.24	7071.333	8750.237	10.102	12.8	2.6	NO		NO	MM
5	5 181126M1_6	Standard	12.500	1.24	6957.322	8717.376	9.976	12.7	1.3	NO		NO	bb
6	6 181126M1_7	Standard	12.500	1.24	6644.186	8412.910	9.872	12.5	0.3	NO		NO	bb
7	7 181126M1_8	Standard	12.500	1.24	6904.515	8782.584	9.827	12.5	-0.2	NO		NO	bb
8	8 181126M1_9	Standard	12.500	1.24	6776.515	8534.894	9.925	12.6	0.8	NO		NO	bb
9	9 181126M1_10	Standard	12.500	1.25	6830.738	8472.024	10.078	12.8	2.4	NO		NO	bb
10	10 181126M1_11	Standard	12.500	1.24	6694.321	9085.835	9.210	11.7	-6.4	NO		NO	MM

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Compound name: 13C3-PFPeA

Response Factor: 0.555876
 RRF SD: 0.0136707, Relative SD: 2.45931
 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 181126M1_2	Standard	12.500	2.46	13715.434	25192.414	6.805	12.2	-2.1	NO		NO	bb
2	2 181126M1_3	Standard	12.500	2.47	13723.302	25514.697	6.723	12.1	-3.2	NO		NO	bb
3	3 181126M1_4	Standard	12.500	2.47	14561.754	26136.416	6.964	12.5	0.2	NO		NO	bb
4	4 181126M1_5	Standard	12.500	2.47	14296.794	26095.398	6.848	12.3	-1.4	NO		NO	bb
5	5 181126M1_6	Standard	12.500	2.47	14592.260	26363.371	6.919	12.4	-0.4	NO		NO	bb
6	6 181126M1_7	Standard	12.500	2.47	13932.524	25322.297	6.878	12.4	-1.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	2.47	14718.107	26522.105	6.937	12.5	-0.2	NO		NO	bb
8	8 181126M1_9	Standard	12.500	2.47	14155.756	25558.145	6.923	12.5	-0.4	NO		NO	bb
9	9 181126M1_10	Standard	12.500	2.47	13897.646	23924.270	7.261	13.1	4.5	NO		NO	bb
10	10 181126M1_11	Standard	12.500	2.47	12898.420	22313.770	7.226	13.0	4.0	NO		NO	bb

Compound name: 13C3-PFBS

Response Factor: 0.536974
 RRF SD: 0.0212494, Relative SD: 3.95724
 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 181126M1_2	Standard	12.500	2.80	1786.299	3368.764	6.628	12.3	-1.3	NO		NO	bb
2	2 181126M1_3	Standard	12.500	2.80	1802.877	3301.831	6.825	12.7	1.7	NO		NO	bb
3	3 181126M1_4	Standard	12.500	2.80	1800.875	3474.822	6.478	12.1	-3.5	NO		NO	bb
4	4 181126M1_5	Standard	12.500	2.80	1859.173	3365.570	6.905	12.9	2.9	NO		NO	bd
5	5 181126M1_6	Standard	12.500	2.81	1822.236	3524.441	6.463	12.0	-3.7	NO		NO	bb
6	6 181126M1_7	Standard	12.500	2.80	1802.554	3327.563	6.771	12.6	0.9	NO		NO	bb
7	7 181126M1_8	Standard	12.500	2.81	1924.595	3604.044	6.675	12.4	-0.6	NO		NO	bb
8	8 181126M1_9	Standard	12.500	2.81	1781.169	3316.433	6.713	12.5	0.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	2.81	1561.142	3064.151	6.369	11.9	-5.1	NO		NO	bb
10	10 181126M1_11	Standard	12.500	2.81	1493.188	2559.058	7.294	13.6	8.7	NO		NO	bb

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Compound name: 13C2-4:2 FTS

Response Factor: 1.47815
 RRF SD: 0.100555, Relative SD: 6.80276
 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 181126M1_2	Standard	12.500	3.27	4949.353	3368.764	18.365	12.4	-0.6	NO		NO	bb
2	2 181126M1_3	Standard	12.500	3.28	4658.786	3301.831	17.637	11.9	-4.5	NO		NO	bb
3	3 181126M1_4	Standard	12.500	3.28	5081.407	3474.822	18.279	12.4	-1.1	NO		NO	bb
4	4 181126M1_5	Standard	12.500	3.28	4976.478	3365.570	18.483	12.5	0.0	NO		NO	bb
5	5 181126M1_6	Standard	12.500	3.28	4945.298	3524.441	17.539	11.9	-5.1	NO		NO	bb
6	6 181126M1_7	Standard	12.500	3.28	4705.861	3327.563	17.678	12.0	-4.3	NO		NO	bb
7	7 181126M1_8	Standard	12.500	3.28	5303.523	3604.044	18.394	12.4	-0.4	NO		NO	bd
8	8 181126M1_9	Standard	12.500	3.28	5688.242	3316.433	21.440	14.5	16.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	3.28	6866.882	3064.151	28.013	19.0	51.6	NO		NO	bbX
10	10 181126M1_11	Standard	12.500	3.28	8003.897	2559.058	39.096	26.4	111.6	NO		NO	bbX

Compound name: 13C2-PFHxA

Response Factor: 0.98836
 RRF SD: 0.029012, Relative SD: 2.93537
 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 181126M1_2	Standard	5.000	3.36	9787.215	25192.414	4.856	4.9	-1.7	NO		NO	bb
2	2 181126M1_3	Standard	5.000	3.36	9629.179	25514.697	4.717	4.8	-4.5	NO		NO	bb
3	3 181126M1_4	Standard	5.000	3.36	10373.639	26136.416	4.961	5.0	0.4	NO		NO	bb
4	4 181126M1_5	Standard	5.000	3.36	10091.624	26095.398	4.834	4.9	-2.2	NO		NO	bb
5	5 181126M1_6	Standard	5.000	3.37	10427.667	26363.371	4.944	5.0	0.0	NO		NO	bb
6	6 181126M1_7	Standard	5.000	3.37	10138.645	25322.297	5.005	5.1	1.3	NO		NO	bb
7	7 181126M1_8	Standard	5.000	3.37	10164.805	26522.105	4.791	4.8	-3.1	NO		NO	bb
8	8 181126M1_9	Standard	5.000	3.37	10236.929	25558.145	5.007	5.1	1.3	NO		NO	bb
9	9 181126M1_10	Standard	5.000	3.37	9817.484	23924.270	5.129	5.2	3.8	NO		NO	bb
10	10 181126M1_11	Standard	5.000	3.37	9234.549	22313.770	5.173	5.2	4.7	NO		NO	bb

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Compound name: 13C4-PFHpA

Response Factor: 0.536542

RRF SD: 0.0222304, Relative SD: 4.14328

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 181126M1_2	Standard	12.500	4.02	14063.499	25192.414	6.978	13.0	4.0	NO		NO	bb
2	2 181126M1_3	Standard	12.500	4.02	14566.622	25514.697	7.136	13.3	6.4	NO		NO	bb
3	3 181126M1_4	Standard	12.500	4.02	14599.738	26136.416	6.982	13.0	4.1	NO		NO	bb
4	4 181126M1_5	Standard	12.500	4.02	13961.896	26095.398	6.688	12.5	-0.3	NO		NO	bb
5	5 181126M1_6	Standard	12.500	4.02	14034.775	26363.371	6.654	12.4	-0.8	NO		NO	bb
6	6 181126M1_7	Standard	12.500	4.02	13678.921	25322.297	6.752	12.6	0.7	NO		NO	bb
7	7 181126M1_8	Standard	12.500	4.02	14249.999	26522.105	6.716	12.5	0.1	NO		NO	bb
8	8 181126M1_9	Standard	12.500	4.03	13058.787	25558.145	6.387	11.9	-4.8	NO		NO	bb
9	9 181126M1_10	Standard	12.500	4.03	12520.175	23924.270	6.542	12.2	-2.5	NO		NO	bb
10	10 181126M1_11	Standard	12.500	4.03	11123.910	22313.770	6.232	11.6	-7.1	NO		NO	bb

Compound name: 18O2-PFHxS

Response Factor: 0.448083

RRF SD: 0.0160995, Relative SD: 3.59298

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 181126M1_2	Standard	12.500	4.16	1490.698	3368.764	5.531	12.3	-1.2	NO		NO	bb
2	2 181126M1_3	Standard	12.500	4.16	1447.785	3301.831	5.481	12.2	-2.1	NO		NO	bb
3	3 181126M1_4	Standard	12.500	4.16	1581.371	3474.822	5.689	12.7	1.6	NO		NO	bb
4	4 181126M1_5	Standard	12.500	4.16	1558.457	3365.570	5.788	12.9	3.3	NO		NO	bb
5	5 181126M1_6	Standard	12.500	4.16	1526.846	3524.441	5.415	12.1	-3.3	NO		NO	bb
6	6 181126M1_7	Standard	12.500	4.16	1542.694	3327.563	5.795	12.9	3.5	NO		NO	bb
7	7 181126M1_8	Standard	12.500	4.16	1579.074	3604.044	5.477	12.2	-2.2	NO		NO	bb
8	8 181126M1_9	Standard	12.500	4.16	1478.125	3316.433	5.571	12.4	-0.5	NO		NO	bb
9	9 181126M1_10	Standard	12.500	4.16	1300.621	3064.151	5.306	11.8	-5.3	NO		NO	bb
10	10 181126M1_11	Standard	12.500	4.16	1219.567	2559.058	5.957	13.3	6.4	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

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Compound name: 13C2-6:2 FTS

Response Factor: 1.56299

RRF SD: 0.106642, Relative SD: 6.82298

Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	4.46	5225.320	3462.963	18.861	12.1	-3.5	NO		NO	bb
2	2 181126M1_3	Standard	12.500	4.46	5165.596	3224.760	20.023	12.8	2.5	NO		NO	bb
3	3 181126M1_4	Standard	12.500	4.46	5387.143	3512.134	19.173	12.3	-1.9	NO		NO	bb
4	4 181126M1_5	Standard	12.500	4.46	5074.225	3358.832	18.884	12.1	-3.3	NO		NO	bb
5	5 181126M1_6	Standard	12.500	4.46	5181.676	3378.300	19.173	12.3	-1.9	NO		NO	bb
6	6 181126M1_7	Standard	12.500	4.46	4894.738	3393.990	18.027	11.5	-7.7	NO		NO	bb
7	7 181126M1_8	Standard	12.500	4.46	5563.122	3536.995	19.660	12.6	0.6	NO		NO	bb
8	8 181126M1_9	Standard	12.500	4.46	6022.125	3346.116	22.497	14.4	15.1	NO		NO	bb
9	9 181126M1_10	Standard	12.500	4.46	7202.659	3217.784	27.980	17.9	43.2	NO		NO	bbX
10	10 181126M1_11	Standard	12.500	4.46	9468.253	2856.125	41.438	26.5	112.1	NO		NO	bbX

Compound name: 13C2-PFOA

Response Factor: 0.754885

RRF SD: 0.0195047, Relative SD: 2.5838

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	4.50	24359.602	30823.398	9.879	13.1	4.7	NO		NO	bb
2	2 181126M1_3	Standard	12.500	4.51	24354.520	31989.600	9.517	12.6	0.9	NO		NO	bb
3	3 181126M1_4	Standard	12.500	4.51	24178.301	32072.896	9.423	12.5	-0.1	NO		NO	bb
4	4 181126M1_5	Standard	12.500	4.51	23443.150	31406.428	9.331	12.4	-1.1	NO		NO	bb
5	5 181126M1_6	Standard	12.500	4.51	23552.342	31457.979	9.359	12.4	-0.8	NO		NO	bb
6	6 181126M1_7	Standard	12.500	4.51	22507.277	30564.838	9.205	12.2	-2.5	NO		NO	bb
7	7 181126M1_8	Standard	12.500	4.51	23848.943	32979.738	9.039	12.0	-4.2	NO		NO	bb
8	8 181126M1_9	Standard	12.500	4.52	22357.822	29964.543	9.327	12.4	-1.2	NO		NO	bb
9	9 181126M1_10	Standard	12.500	4.52	21588.547	28178.553	9.577	12.7	1.5	NO		NO	bb
10	10 181126M1_11	Standard	12.500	4.52	19958.678	25705.412	9.705	12.9	2.9	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

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Compound name: 13C5-PFNA

Response Factor: 0.990648
 RRF SD: 0.0224267, Relative SD: 2.26384
 Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	4.93	22295.369	22519.746	12.375	12.5	-0.1	NO		NO	bb
2	2 181126M1_3	Standard	12.500	4.94	21931.633	22448.209	12.212	12.3	-1.4	NO		NO	bb
3	3 181126M1_4	Standard	12.500	4.94	23014.137	22991.566	12.512	12.6	1.0	NO		NO	bb
4	4 181126M1_5	Standard	12.500	4.94	22367.645	23074.576	12.117	12.2	-2.1	NO		NO	bb
5	5 181126M1_6	Standard	12.500	4.94	23199.723	22849.063	12.692	12.8	2.5	NO		NO	bb
6	6 181126M1_7	Standard	12.500	4.94	22312.191	21600.799	12.912	13.0	4.3	NO		NO	bb
7	7 181126M1_8	Standard	12.500	4.94	22610.824	22741.340	12.428	12.5	0.4	NO		NO	bb
8	8 181126M1_9	Standard	12.500	4.94	21568.918	22540.299	11.961	12.1	-3.4	NO		NO	bb
9	9 181126M1_10	Standard	12.500	4.94	20252.943	20378.484	12.423	12.5	0.3	NO		NO	bb
10	10 181126M1_11	Standard	12.500	4.94	18084.188	18532.297	12.198	12.3	-1.5	NO		NO	bb

Compound name: 13C8-PFOA

Response Factor: 0.0971265
 RRF SD: 0.0077469, Relative SD: 7.9761
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	4.98	2329.393	26672.982	1.092	11.2	-10.1	NO		NO	bb
2	2 181126M1_3	Standard	12.500	4.99	2448.447	26794.484	1.142	11.8	-5.9	NO		NO	bb
3	3 181126M1_4	Standard	12.500	4.98	2561.796	28575.072	1.121	11.5	-7.7	NO		NO	bb
4	4 181126M1_5	Standard	12.500	4.99	2603.493	28337.990	1.148	11.8	-5.4	NO		NO	bb
5	5 181126M1_6	Standard	12.500	4.99	2769.347	28551.758	1.212	12.5	-0.1	NO		NO	bb
6	6 181126M1_7	Standard	12.500	4.99	2637.660	27162.783	1.214	12.5	-0.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	4.99	2806.031	28301.350	1.239	12.8	2.1	NO		NO	bb
8	8 181126M1_9	Standard	12.500	4.99	2666.454	26656.619	1.250	12.9	3.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	4.99	2571.153	24614.043	1.306	13.4	7.5	NO		NO	bb
10	10 181126M1_11	Standard	12.500	4.99	2411.273	21283.375	1.416	14.6	16.6	NO		NO	bb

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Compound name: 13C8-PFOS

Response Factor: 1.04163

RRF SD: 0.0524138, Relative SD: 5.03189

Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	5.02	3276.263	3462.963	11.826	11.4	-9.2	NO		NO	bb
2	2 181126M1_3	Standard	12.500	5.02	3416.156	3224.760	13.242	12.7	1.7	NO		NO	bb
3	3 181126M1_4	Standard	12.500	5.03	3743.129	3512.134	13.322	12.8	2.3	NO		NO	bb
4	4 181126M1_5	Standard	12.500	5.03	3748.331	3358.832	13.950	13.4	7.1	NO		NO	bb
5	5 181126M1_6	Standard	12.500	5.03	3674.965	3378.300	13.598	13.1	4.4	NO		NO	bb
6	6 181126M1_7	Standard	12.500	5.03	3393.818	3393.990	12.499	12.0	-4.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	5.03	3698.358	3536.995	13.070	12.5	0.4	NO		NO	bb
8	8 181126M1_9	Standard	12.500	5.03	3638.886	3346.116	13.594	13.1	4.4	NO		NO	bb
9	9 181126M1_10	Standard	12.500	5.03	3187.154	3217.784	12.381	11.9	-4.9	NO		NO	bb
10	10 181126M1_11	Standard	12.500	5.03	2906.952	2856.125	12.722	12.2	-2.3	NO		NO	bb

Compound name: 13C2-PFDA

Response Factor: 0.902341

RRF SD: 0.0371522, Relative SD: 4.11731

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	5.31	21127.947	23842.426	11.077	12.3	-1.8	NO		NO	bb
2	2 181126M1_3	Standard	12.500	5.31	20915.982	24662.998	10.601	11.7	-6.0	NO		NO	bb
3	3 181126M1_4	Standard	12.500	5.31	22735.521	24277.797	11.706	13.0	3.8	NO		NO	bb
4	4 181126M1_5	Standard	12.500	5.32	22345.748	24205.205	11.540	12.8	2.3	NO		NO	bb
5	5 181126M1_6	Standard	12.500	5.31	21456.660	25346.094	10.582	11.7	-6.2	NO		NO	bb
6	6 181126M1_7	Standard	12.500	5.32	22033.270	23846.875	11.549	12.8	2.4	NO		NO	bb
7	7 181126M1_8	Standard	12.500	5.32	22018.436	24795.838	11.100	12.3	-1.6	NO		NO	bb
8	8 181126M1_9	Standard	12.500	5.32	21141.234	23591.418	11.202	12.4	-0.7	NO		NO	bb
9	9 181126M1_10	Standard	12.500	5.32	19950.951	21882.871	11.396	12.6	1.0	NO		NO	bb
10	10 181126M1_11	Standard	12.500	5.32	18223.094	18919.330	12.040	13.3	6.7	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

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Compound name: 13C2-8:2 FTS

Response Factor: 1.17744
 RRF SD: 0.0887368, Relative SD: 7.53641
 Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	5.28	4148.165	3462.963	14.973	12.7	1.7	NO		NO	bb
2	2 181126M1_3	Standard	12.500	5.28	4224.977	3224.760	16.377	13.9	11.3	NO		NO	bb
3	3 181126M1_4	Standard	12.500	5.29	4109.911	3512.134	14.628	12.4	-0.6	NO		NO	bb
4	4 181126M1_5	Standard	12.500	5.28	3657.264	3358.832	13.611	11.6	-7.5	NO		NO	bb
5	5 181126M1_6	Standard	12.500	5.29	3800.459	3378.300	14.062	11.9	-4.5	NO		NO	bb
6	6 181126M1_7	Standard	12.500	5.29	3672.164	3393.990	13.525	11.5	-8.1	NO		NO	bb
7	7 181126M1_8	Standard	12.500	5.29	4037.449	3536.995	14.269	12.1	-3.1	NO		NO	bb
8	8 181126M1_9	Standard	12.500	5.29	4363.402	3346.116	16.300	13.8	10.8	NO		NO	bb
9	9 181126M1_10	Standard	12.500	5.29	5899.837	3217.784	22.919	19.5	55.7	NO		NO	bbX
10	10 181126M1_11	Standard	12.500	5.29	7314.130	2856.125	32.011	27.2	117.5	NO		NO	bbX

Compound name: d3-N-MeFOSAA

Response Factor: 0.134598
 RRF SD: 0.00697461, Relative SD: 5.18181
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	5.46	3699.583	26672.982	1.734	12.9	3.0	NO		NO	bb
2	2 181126M1_3	Standard	12.500	5.47	3511.724	26794.484	1.638	12.2	-2.6	NO		NO	bb
3	3 181126M1_4	Standard	12.500	5.47	3825.910	28575.072	1.674	12.4	-0.5	NO		NO	bb
4	4 181126M1_5	Standard	12.500	5.47	3744.315	28337.990	1.652	12.3	-1.8	NO		NO	bb
5	5 181126M1_6	Standard	12.500	5.47	3621.836	28551.758	1.586	11.8	-5.8	NO		NO	bb
6	6 181126M1_7	Standard	12.500	5.47	3678.562	27162.783	1.693	12.6	0.6	NO		NO	bb
7	7 181126M1_8	Standard	12.500	5.47	3541.941	28301.350	1.564	11.6	-7.0	NO		NO	bb
8	8 181126M1_9	Standard	12.500	5.47	3788.505	26656.619	1.777	13.2	5.6	NO		NO	bb
9	9 181126M1_10	Standard	12.500	5.47	3255.628	24614.043	1.653	12.3	-1.7	NO		NO	bb
10	10 181126M1_11	Standard	12.500	5.47	3157.978	21283.375	1.855	13.8	10.2	NO		NO	bb

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Compound name: 13C2-PFUdA

Response Factor: 0.957317
 RRF SD: 0.0223124, Relative SD: 2.33072
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	5.64	25976.096	26672.982	12.173	12.7	1.7	NO		NO	bb
2	2 181126M1_3	Standard	12.500	5.65	25586.691	26794.484	11.937	12.5	-0.3	NO		NO	bb
3	3 181126M1_4	Standard	12.500	5.65	27670.049	28575.072	12.104	12.6	1.2	NO		NO	bb
4	4 181126M1_5	Standard	12.500	5.65	26258.051	28337.990	11.583	12.1	-3.2	NO		NO	bb
5	5 181126M1_6	Standard	12.500	5.64	27247.850	28551.758	11.929	12.5	-0.3	NO		NO	bb
6	6 181126M1_7	Standard	12.500	5.65	25918.631	27162.783	11.927	12.5	-0.3	NO		NO	bb
7	7 181126M1_8	Standard	12.500	5.65	26225.896	28301.350	11.583	12.1	-3.2	NO		NO	bb
8	8 181126M1_9	Standard	12.500	5.65	25584.975	26656.619	11.997	12.5	0.3	NO		NO	bb
9	9 181126M1_10	Standard	12.500	5.65	23407.137	24614.043	11.887	12.4	-0.7	NO		NO	bb
10	10 181126M1_11	Standard	12.500	5.65	21357.555	21283.375	12.544	13.1	4.8	NO		NO	bb

Compound name: d5-N-EtFOSAA

Response Factor: 0.185261
 RRF SD: 0.0109011, Relative SD: 5.88419
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	5.62	4528.725	26672.982	2.122	11.5	-8.4	NO		NO	bb
2	2 181126M1_3	Standard	12.500	5.63	5076.554	26794.484	2.368	12.8	2.3	NO		NO	bb
3	3 181126M1_4	Standard	12.500	5.63	5526.345	28575.072	2.417	13.0	4.4	NO		NO	bb
4	4 181126M1_5	Standard	12.500	5.63	5456.494	28337.990	2.407	13.0	3.9	NO		NO	bb
5	5 181126M1_6	Standard	12.500	5.63	5491.763	28551.758	2.404	13.0	3.8	NO		NO	bb
6	6 181126M1_7	Standard	12.500	5.63	5467.541	27162.783	2.516	13.6	8.7	NO		NO	bb
7	7 181126M1_8	Standard	12.500	5.63	5239.788	28301.350	2.314	12.5	-0.1	NO		NO	bb
8	8 181126M1_9	Standard	12.500	5.63	4876.164	26656.619	2.287	12.3	-1.3	NO		NO	bb
9	9 181126M1_10	Standard	12.500	5.63	4403.293	24614.043	2.236	12.1	-3.4	NO		NO	bb
10	10 181126M1_11	Standard	12.500	5.63	3550.520	21283.375	2.085	11.3	-10.0	NO		NO	bb

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Compound name: 13C2-PFDoA

Response Factor: 1.04677

RRF SD: 0.0366194, Relative SD: 3.49832

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	5.92	25354.904	23842.426	13.293	12.7	1.6	NO		NO	bb
2	2 181126M1_3	Standard	12.500	5.93	25224.803	24662.998	12.785	12.2	-2.3	NO		NO	bb
3	3 181126M1_4	Standard	12.500	5.93	26488.537	24277.797	13.638	13.0	4.2	NO		NO	bb
4	4 181126M1_5	Standard	12.500	5.93	25356.541	24205.205	13.095	12.5	0.1	NO		NO	bb
5	5 181126M1_6	Standard	12.500	5.93	27050.830	25346.094	13.341	12.7	2.0	NO		NO	bb
6	6 181126M1_7	Standard	12.500	5.93	23270.566	23846.875	12.198	11.7	-6.8	NO		NO	bb
7	7 181126M1_8	Standard	12.500	5.93	25114.900	24795.838	12.661	12.1	-3.2	NO		NO	bb
8	8 181126M1_9	Standard	12.500	5.93	24371.867	23591.418	12.914	12.3	-1.3	NO		NO	bb
9	9 181126M1_10	Standard	12.500	5.93	23172.217	21882.871	13.237	12.6	1.2	NO		NO	bb
10	10 181126M1_11	Standard	12.500	5.93	20714.875	18919.330	13.686	13.1	4.6	NO		NO	bb

Compound name: d3-N-MeFOSA

Response Factor: 0.0367035

RRF SD: 0.00324533, Relative SD: 8.84204

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	150.000	5.97	11953.504	26672.982	5.602	152.6	1.8	NO		NO	bd
2	2 181126M1_3	Standard	150.000	5.97	11746.337	26794.484	5.480	149.3	-0.5	NO		NO	bb
3	3 181126M1_4	Standard	150.000	5.97	11694.007	28575.072	5.115	139.4	-7.1	NO		NO	bb
4	4 181126M1_5	Standard	150.000	5.98	11465.957	28337.990	5.058	137.8	-8.1	NO		NO	bb
5	5 181126M1_6	Standard	150.000	5.97	11840.089	28551.758	5.184	141.2	-5.8	NO		NO	bb
6	6 181126M1_7	Standard	150.000	5.98	11131.010	27162.783	5.122	139.6	-7.0	NO		NO	bb
7	7 181126M1_8	Standard	150.000	5.98	12241.498	28301.350	5.407	147.3	-1.8	NO		NO	bb
8	8 181126M1_9	Standard	150.000	5.98	11611.420	26656.619	5.445	148.3	-1.1	NO		NO	bb
9	9 181126M1_10	Standard	150.000	5.98	11864.808	24614.043	6.025	164.2	9.4	NO		NO	bb
10	10 181126M1_11	Standard	150.000	5.98	11267.006	21283.375	6.617	180.3	20.2	NO		NO	bb

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Compound name: 13C2-PFTeDA

Response Factor: 0.567004

RRF SD: 0.0306617, Relative SD: 5.40767

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	6.39	14333.310	26672.982	6.717	11.8	-5.2	NO		NO	bb
2	2 181126M1_3	Standard	12.500	6.40	14532.341	26794.484	6.780	12.0	-4.3	NO		NO	bb
3	3 181126M1_4	Standard	12.500	6.40	15629.965	28575.072	6.837	12.1	-3.5	NO		NO	bb
4	4 181126M1_5	Standard	12.500	6.40	15493.746	28337.990	6.834	12.1	-3.6	NO		NO	bb
5	5 181126M1_6	Standard	12.500	6.40	15853.647	28551.758	6.941	12.2	-2.1	NO		NO	bb
6	6 181126M1_7	Standard	12.500	6.40	14923.140	27162.783	6.867	12.1	-3.1	NO		NO	bb
7	7 181126M1_8	Standard	12.500	6.40	16310.112	28301.350	7.204	12.7	1.6	NO		NO	bb
8	8 181126M1_9	Standard	12.500	6.40	15502.673	26656.619	7.270	12.8	2.6	NO		NO	bb
9	9 181126M1_10	Standard	12.500	6.40	14833.304	24614.043	7.533	13.3	6.3	NO		NO	bb
10	10 181126M1_11	Standard	12.500	6.40	13438.607	21283.375	7.893	13.9	11.4	NO		NO	bb

Compound name: d5-N-ETFOSA

Response Factor: 0.0583225

RRF SD: 0.00662878, Relative SD: 11.3657

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	150.000	6.44	15262.959	26672.982	7.153	122.6	-18.2	NO		NO	bb
2	2 181126M1_3	Standard	150.000	6.45	16027.104	26794.484	7.477	128.2	-14.5	NO		NO	bb
3	3 181126M1_4	Standard	150.000	6.45	18601.041	28575.072	8.137	139.5	-7.0	NO		NO	bb
4	4 181126M1_5	Standard	150.000	6.45	19918.102	28337.990	8.786	150.6	0.4	NO		NO	bb
5	5 181126M1_6	Standard	150.000	6.45	20324.578	28551.758	8.898	152.6	1.7	NO		NO	bb
6	6 181126M1_7	Standard	150.000	6.45	19247.895	27162.783	8.858	151.9	1.2	NO		NO	bb
7	7 181126M1_8	Standard	150.000	6.45	19814.482	28301.350	8.752	150.1	0.0	NO		NO	bb
8	8 181126M1_9	Standard	150.000	6.45	19491.674	26656.619	9.140	156.7	4.5	NO		NO	bb
9	9 181126M1_10	Standard	150.000	6.45	19221.986	24614.043	9.762	167.4	11.6	NO		NO	bb
10	10 181126M1_11	Standard	150.000	6.45	17915.363	21283.375	10.522	180.4	20.3	NO		NO	bb

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Compound name: 13C2-PFHxDA

Response Factor: 0.745697
 RRF SD: 0.0807983, Relative SD: 10.8353
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	1 181126M1_2	Standard	5.000	6.73	6889.798	26672.982	3.229	4.3	-13.4	NO		NO	bb
2	2 181126M1_3	Standard	5.000	6.73	7098.292	26794.484	3.311	4.4	-11.2	NO		NO	bb
3	3 181126M1_4	Standard	5.000	6.73	8009.421	28575.072	3.504	4.7	-6.0	NO		NO	bb
4	4 181126M1_5	Standard	5.000	6.73	8091.949	28337.990	3.569	4.8	-4.3	NO		NO	bb
5	5 181126M1_6	Standard	5.000	6.73	8466.808	28551.758	3.707	5.0	-0.6	NO		NO	bb
6	6 181126M1_7	Standard	5.000	6.73	7582.587	27162.783	3.489	4.7	-6.4	NO		NO	bb
7	7 181126M1_8	Standard	5.000	6.73	8679.925	28301.350	3.834	5.1	2.8	NO		NO	bb
8	8 181126M1_9	Standard	5.000	6.74	8488.328	26656.619	3.980	5.3	6.8	NO		NO	bb
9	9 181126M1_10	Standard	5.000	6.73	8060.974	24614.043	4.094	5.5	9.8	NO		NO	bb
10	10 181126M1_11	Standard	5.000	6.74	7776.927	21283.375	4.567	6.1	22.5	NO		NO	bb

Compound name: d7-N-MeFOSE

Response Factor: 0.0316395
 RRF SD: 0.00249814, Relative SD: 7.89562
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	1 181126M1_2	Standard	150.000	6.68	9613.644	26672.982	4.505	142.4	-5.1	NO		NO	bb
2	2 181126M1_3	Standard	150.000	6.68	9970.688	26794.484	4.651	147.0	-2.0	NO		NO	bb
3	3 181126M1_4	Standard	150.000	6.68	10409.790	28575.072	4.554	143.9	-4.1	NO		NO	bb
4	4 181126M1_5	Standard	150.000	6.68	10378.408	28337.990	4.578	144.7	-3.5	NO		NO	bb
5	5 181126M1_6	Standard	150.000	6.68	10389.321	28551.758	4.548	143.8	-4.2	NO		NO	bb
6	6 181126M1_7	Standard	150.000	6.68	9705.995	27162.783	4.467	141.2	-5.9	NO		NO	bb
7	7 181126M1_8	Standard	150.000	6.68	10357.785	28301.350	4.575	144.6	-3.6	NO		NO	bb
8	8 181126M1_9	Standard	150.000	6.68	10143.168	26656.619	4.756	150.3	0.2	NO		NO	bb
9	9 181126M1_10	Standard	150.000	6.68	10223.422	24614.043	5.192	164.1	9.4	NO		NO	MM
10	10 181126M1_11	Standard	150.000	6.68	9590.735	21283.375	5.633	178.0	18.7	NO		NO	bb

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Compound name: d9-N-EtFOSE

Response Factor: 0.0298286

RRF SD: 0.00279971, Relative SD: 9.38599

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	150.000	6.83	8485.106	26672.982	3.976	133.3	-11.1	NO		NO	bb
2	2 181126M1_3	Standard	150.000	6.83	8904.628	26794.484	4.154	139.3	-7.2	NO		NO	bb
3	3 181126M1_4	Standard	150.000	6.83	9999.587	28575.072	4.374	146.6	-2.2	NO		NO	bb
4	4 181126M1_5	Standard	150.000	6.83	9705.979	28337.990	4.281	143.5	-4.3	NO		NO	bb
5	5 181126M1_6	Standard	150.000	6.83	9902.425	28551.758	4.335	145.3	-3.1	NO		NO	bb
6	6 181126M1_7	Standard	150.000	6.83	9565.112	27162.783	4.402	147.6	-1.6	NO		NO	bb
7	7 181126M1_8	Standard	150.000	6.83	9699.960	28301.350	4.284	143.6	-4.2	NO		NO	bb
8	8 181126M1_9	Standard	150.000	6.83	9803.931	26656.619	4.597	154.1	2.7	NO		NO	bb
9	9 181126M1_10	Standard	150.000	6.83	9641.881	24614.043	4.897	164.2	9.4	NO		NO	bb
10	10 181126M1_11	Standard	150.000	6.83	9265.136	21283.375	5.442	182.4	21.6	NO		NO	bb

Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	1.24	7908.070	7908.070	12.500	12.5	0.0	NO		NO	bb
2	2 181126M1_3	Standard	12.500	1.24	8749.445	8749.445	12.500	12.5	0.0	NO		NO	db
3	3 181126M1_4	Standard	12.500	1.24	8407.808	8407.808	12.500	12.5	0.0	NO		NO	bb
4	4 181126M1_5	Standard	12.500	1.24	8750.237	8750.237	12.500	12.5	0.0	NO		NO	bb
5	5 181126M1_6	Standard	12.500	1.24	8717.376	8717.376	12.500	12.5	0.0	NO		NO	bb
6	6 181126M1_7	Standard	12.500	1.24	8412.910	8412.910	12.500	12.5	0.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	1.24	8782.584	8782.584	12.500	12.5	0.0	NO		NO	bb
8	8 181126M1_9	Standard	12.500	1.24	8534.894	8534.894	12.500	12.5	0.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	1.24	8472.024	8472.024	12.500	12.5	0.0	NO		NO	bb
10	10 181126M1_11	Standard	12.500	1.24	9085.835	9085.835	12.500	12.5	0.0	NO		NO	db

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Compound name: 13C5-PFHxA

Response Factor: 1

RRF SD: 0, Relative SD: 0

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	3.35	25192.414	25192.414	12.500	12.5	0.0	NO		NO	bb
2	2 181126M1_3	Standard	12.500	3.36	25514.697	25514.697	12.500	12.5	0.0	NO		NO	bb
3	3 181126M1_4	Standard	12.500	3.36	26136.416	26136.416	12.500	12.5	0.0	NO		NO	bb
4	4 181126M1_5	Standard	12.500	3.36	26095.398	26095.398	12.500	12.5	0.0	NO		NO	bb
5	5 181126M1_6	Standard	12.500	3.37	26363.371	26363.371	12.500	12.5	0.0	NO		NO	bb
6	6 181126M1_7	Standard	12.500	3.36	25322.297	25322.297	12.500	12.5	0.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	3.37	26522.105	26522.105	12.500	12.5	0.0	NO		NO	bb
8	8 181126M1_9	Standard	12.500	3.37	25558.145	25558.145	12.500	12.5	0.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	3.37	23924.270	23924.270	12.500	12.5	0.0	NO		NO	bb
10	10 181126M1_11	Standard	12.500	3.37	22313.770	22313.770	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	4.16	3368.764	3368.764	12.500	12.5	0.0	NO		NO	bb
2	2 181126M1_3	Standard	12.500	4.16	3301.831	3301.831	12.500	12.5	0.0	NO		NO	bb
3	3 181126M1_4	Standard	12.500	4.16	3474.822	3474.822	12.500	12.5	0.0	NO		NO	bb
4	4 181126M1_5	Standard	12.500	4.16	3365.570	3365.570	12.500	12.5	0.0	NO		NO	bb
5	5 181126M1_6	Standard	12.500	4.16	3524.441	3524.441	12.500	12.5	0.0	NO		NO	bb
6	6 181126M1_7	Standard	12.500	4.16	3327.563	3327.563	12.500	12.5	0.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	4.16	3604.044	3604.044	12.500	12.5	0.0	NO		NO	bb
8	8 181126M1_9	Standard	12.500	4.16	3316.433	3316.433	12.500	12.5	0.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	4.16	3064.151	3064.151	12.500	12.5	0.0	NO		NO	bb
10	10 181126M1_11	Standard	12.500	4.16	2559.058	2559.058	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	4.50	30823.398	30823.398	12.500	12.5	0.0	NO		NO	bb
2	2 181126M1_3	Standard	12.500	4.51	31989.600	31989.600	12.500	12.5	0.0	NO		NO	bb
3	3 181126M1_4	Standard	12.500	4.51	32072.896	32072.896	12.500	12.5	0.0	NO		NO	bb
4	4 181126M1_5	Standard	12.500	4.51	31406.428	31406.428	12.500	12.5	0.0	NO		NO	bb
5	5 181126M1_6	Standard	12.500	4.51	31457.979	31457.979	12.500	12.5	0.0	NO		NO	bb
6	6 181126M1_7	Standard	12.500	4.51	30564.838	30564.838	12.500	12.5	0.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	4.51	32979.738	32979.738	12.500	12.5	0.0	NO		NO	bb
8	8 181126M1_9	Standard	12.500	4.52	29964.543	29964.543	12.500	12.5	0.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	4.52	28178.553	28178.553	12.500	12.5	0.0	NO		NO	bb
10	10 181126M1_11	Standard	12.500	4.52	25705.412	25705.412	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	4.93	22519.746	22519.746	12.500	12.5	0.0	NO		NO	bb
2	2 181126M1_3	Standard	12.500	4.94	22448.209	22448.209	12.500	12.5	0.0	NO		NO	bb
3	3 181126M1_4	Standard	12.500	4.94	22991.566	22991.566	12.500	12.5	0.0	NO		NO	bb
4	4 181126M1_5	Standard	12.500	4.94	23074.576	23074.576	12.500	12.5	0.0	NO		NO	bb
5	5 181126M1_6	Standard	12.500	4.94	22849.063	22849.063	12.500	12.5	0.0	NO		NO	bb
6	6 181126M1_7	Standard	12.500	4.94	21600.799	21600.799	12.500	12.5	0.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	4.94	22741.340	22741.340	12.500	12.5	0.0	NO		NO	bb
8	8 181126M1_9	Standard	12.500	4.94	22540.299	22540.299	12.500	12.5	0.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	4.94	20378.484	20378.484	12.500	12.5	0.0	NO		NO	bb
10	10 181126M1_11	Standard	12.500	4.94	18532.297	18532.297	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C4-PFOS

Response Factor: 1
 RRF SD: 0, Relative SD: 0
 Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	5.02	3462.963	3462.963	12.500	12.5	0.0	NO		NO	bb
2	2 181126M1_3	Standard	12.500	5.03	3224.760	3224.760	12.500	12.5	0.0	NO		NO	bb
3	3 181126M1_4	Standard	12.500	5.03	3512.134	3512.134	12.500	12.5	0.0	NO		NO	bb
4	4 181126M1_5	Standard	12.500	5.03	3358.832	3358.832	12.500	12.5	0.0	NO		NO	bb
5	5 181126M1_6	Standard	12.500	5.03	3378.300	3378.300	12.500	12.5	0.0	NO		NO	bb
6	6 181126M1_7	Standard	12.500	5.03	3393.990	3393.990	12.500	12.5	0.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	5.03	3536.995	3536.995	12.500	12.5	0.0	NO		NO	bb
8	8 181126M1_9	Standard	12.500	5.03	3346.116	3346.116	12.500	12.5	0.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	5.03	3217.784	3217.784	12.500	12.5	0.0	NO		NO	bb
10	10 181126M1_11	Standard	12.500	5.03	2856.125	2856.125	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C6-PFDA

Response Factor: 1
 RRF SD: 0, Relative SD: 0
 Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	5.32	23842.426	23842.426	12.500	12.5	0.0	NO		NO	bb
2	2 181126M1_3	Standard	12.500	5.32	24662.998	24662.998	12.500	12.5	0.0	NO		NO	bb
3	3 181126M1_4	Standard	12.500	5.32	24277.797	24277.797	12.500	12.5	0.0	NO		NO	bb
4	4 181126M1_5	Standard	12.500	5.32	24205.205	24205.205	12.500	12.5	0.0	NO		NO	bb
5	5 181126M1_6	Standard	12.500	5.32	25346.094	25346.094	12.500	12.5	0.0	NO		NO	bb
6	6 181126M1_7	Standard	12.500	5.32	23846.875	23846.875	12.500	12.5	0.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	5.32	24795.838	24795.838	12.500	12.5	0.0	NO		NO	bb
8	8 181126M1_9	Standard	12.500	5.32	23591.418	23591.418	12.500	12.5	0.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	5.32	21882.871	21882.871	12.500	12.5	0.0	NO		NO	bb
10	10 181126M1_11	Standard	12.500	5.32	18919.330	18919.330	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time
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Compound name: 13C7-PFUdA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181126M1_2	Standard	12.500	5.64	26672.982	26672.982	12.500	12.5	0.0	NO		NO	bb
2	2 181126M1_3	Standard	12.500	5.64	26794.484	26794.484	12.500	12.5	0.0	NO		NO	bb
3	3 181126M1_4	Standard	12.500	5.64	28575.072	28575.072	12.500	12.5	0.0	NO		NO	bb
4	4 181126M1_5	Standard	12.500	5.65	28337.990	28337.990	12.500	12.5	0.0	NO		NO	bb
5	5 181126M1_6	Standard	12.500	5.64	28551.758	28551.758	12.500	12.5	0.0	NO		NO	bb
6	6 181126M1_7	Standard	12.500	5.65	27162.783	27162.783	12.500	12.5	0.0	NO		NO	bb
7	7 181126M1_8	Standard	12.500	5.65	28301.350	28301.350	12.500	12.5	0.0	NO		NO	bb
8	8 181126M1_9	Standard	12.500	5.65	26656.619	26656.619	12.500	12.5	0.0	NO		NO	bb
9	9 181126M1_10	Standard	12.500	5.65	24614.043	24614.043	12.500	12.5	0.0	NO		NO	bb
10	10 181126M1_11	Standard	12.500	5.65	21283.375	21283.375	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:39:52 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112618.mdb 26 Nov 2018 13:53:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Name: 181126M1_2, Date: 26-Nov-2018, Time: 11:45:59, ID: ST181126M1-1 PFC CS-2 18K1901, Description: PFC CS-2 18K1901
AD 11/21/18

#	Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	36	0.9998	NO	
2	2 PFPeA	37	0.9998	NO	
3	3 PFBS	38	0.9977	NO	
4	4 4:2 FTS	39	0.9977	NO	
5	5 PFHxA	40	0.9998	NO	
6	6 PFPeS	38	0.9984	NO	
7	7 PFHpA	41	0.9996	NO	
8	8 L-PFHxS	42	0.9987	NO	
9	10 6:2 FTS	43	0.9979	NO	
10	11 L-PFOA	44	0.9998	NO	
11	13 PFHpS	47	0.9993	NO	
12	14 PFNA	45	0.9998	NO	
13	15 PFOSA	46	0.9997	NO	
14	16 L-PFOS	47	0.9986	NO	
15	18 PFDA	48	0.9994	NO	
16	19 8:2 FTS	49	0.9988	NO	
17	20 PFNS	47	0.9987	NO	
18	21 L-MeFOSAA	50	0.9986	NO	
19	23 L-EtFOSAA	52	0.9999	NO	

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:42:51 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112618.mdb 26 Nov 2018 13:53:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Name: 181126M1_2, Date: 26-Nov-2018, Time: 11:45:59, ID: ST181126M1-1 PFC CS-2 18K1901, Description: PFC CS-2 18K1901
1 - AD 11/27/18

#	Name	IS#	CoD	CoD Flag	%RSD
1	25 PFUdA	51	0.9997	NO	
2	26 PFDS	47	0.9983	NO	
3	27 PFDaA	53	0.9999	NO	
4	28 N-MeFOSA	54	0.9994	NO	
5	29 PFTrDA	53	0.9998	NO	
6	30 PFTeDA	55	0.9996	NO	
7	31 N-EtFOSA	56	0.9998	NO	
8	32 PFHxDA	57	0.9987	NO	
9	33 PFODA	57	0.9994	NO	
10	34 N-MeFOSE	58	0.9999	NO	
11	35 N-EtFOSE	59	0.9997	NO	
12	36 13C3-PFBA	60		NO	2.900
13	37 13C3-PFPeA	61		NO	2.459
14	38 13C3-PFBS	62		NO	3.957
15	39 13C2-4:2 FTS	62		NO	6.803
16	40 13C2-PFHxA	61		NO	2.935
17	41 13C4-PFHpA	61		NO	4.143
18	42 18O2-PFHxS	62		NO	3.593
19	43 13C2-6:2 FTS	65		NO	6.823
20	44 13C2-PFOA	63		NO	2.584
21	45 13C5-PFNA	64		NO	2.264
22	46 13C8-PFOSA	67		NO	7.976
23	47 13C8-PFOS	65		NO	5.032
24	48 13C2-PFDA	66		NO	4.117
25	49 13C2-8:2 FTS	65		NO	7.536
26	50 d3-N-MeFOSAA	67		NO	5.182
27	51 13C2-PFUdA	67		NO	2.331
28	52 d5-N-EtFOSAA	67		NO	5.884
29	53 13C2-PFDaA	66		NO	3.498
30	54 d3-N-MeFOSA	67		NO	8.842
31	55 13C2-PFTeDA	67		NO	5.408
32	56 d5-N-ETFOSA	67		NO	11.366

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:42:51 Pacific Standard Time

1 -AD 11/27/18

Name: 181126M1_2, Date: 26-Nov-2018, Time: 11:45:59, ID: ST181126M1-1 PFC CS-2 18K1901, Description: PFC CS-2 18K1901

#	Name	IS#	CoD	CoD Flag	%RSD
33	57 13C2-PFHxDA	67		NO	10.835
34	58 d7-N-MeFOSE	67		NO	7.896
35	59 d9-N-EtFOSE	67		NO	9.386
36	60 13C4-PFBA	60		NO	0.000
37	61 13C5-PFHxA	61		NO	0.000
38	62 13C3-PFHxS	62		NO	0.000
39	63 13C8-PFOA	63		NO	0.000
40	64 13C9-PFNA	64		NO	0.000
41	65 13C4-PFOS	65		NO	0.000
42	66 13C6-PFDA	66		NO	0.000
43	67 13C7-PFUdA	67		NO	0.000

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:51:30 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112618.mdb 26 Nov 2018 13:53:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Ad 11/27/18

Name: 181126M1_7, Date: 26-Nov-2018, Time: 12:38:59, ID: ST181126M1-6 PFC CS3 18K1906, Description: PFC CS3 18K1906

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.741	NO
4	4:2 FTS	1.665	NO
5	PFHxA	15.286	NO
6	PFPeS	1.601	NO
7	PFHpA	13.863	NO
8	L-PFHxS	1.609	NO
9	6:2 FTS	2.822	NO
10	L-PFOA	3.429	NO
11	PFHpS	1.865	NO
12	PFNA	4.488	NO
13	PFOSA	22.987	NO
14	L-PFOS	1.888	NO
15	PFDA	5.551	NO
16	8:2 FTS	2.335	NO
17	PFNS	1.645	NO
18	L-MeFOSAA	2.554	NO
19	L-EtFOSAA	1.424	NO

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:51:46 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112618.mdb 26 Nov 2018 13:53:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Name: 181126M1_7, Date: 26-Nov-2018, Time: 12:38:59, ID: ST181126M1-6 PFC CS3 18K1906, Description: PFC CS3 18K1906
AD 11/27/18

	Name	Ion Ratio	Ratio out?
1	PFUdA	9.527	NO
2	PFDS	1.667	NO
3	PFDoA	8.645	NO
4	N-MeFOSA	1.410	NO
5	PFTrDA	23.378	NO
6	PFTeDA	12.484	NO
7	N-EtFOSA	1.533	NO
8	PFHxDA	12.632	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

Dataset: Untitled

Last Altered: Tuesday, November 27, 2018 09:21:08 Pacific Standard Time

Printed: Tuesday, November 27, 2018 09:21:18 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112618.mdb 26 Nov 2018 13:53:04

Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Compound name: PFBA

	# Name	ID	Acq.Date	Acq.Time
1	1 181126M1_1	IPA	26-Nov-18	11:35:18
2	2 181126M1_2	ST181126M1-1 PFC CS-2 18K1901	26-Nov-18	11:45:59
3	3 181126M1_3	ST181126M1-2 PFC CS-1 18K1902	26-Nov-18	11:56:32
4	4 181126M1_4	ST181126M1-3 PFC CS0 18K1903	26-Nov-18	12:07:10
5	5 181126M1_5	ST181126M1-4 PFC CS1 18K1904	26-Nov-18	12:17:48
6	6 181126M1_6	ST181126M1-5 PFC CS2 18K1905	26-Nov-18	12:28:21
7	7 181126M1_7	ST181126M1-6 PFC CS3 18K1906	26-Nov-18	12:38:59
8	8 181126M1_8	ST181126M1-7 PFC CS4 1810907	26-Nov-18	12:49:38
9	9 181126M1_9	ST181126M1-8 PFC CS5 18K1908	26-Nov-18	13:00:11
10	10 181126M1_10	ST181126M1-9 PFC CS6 18K1909	26-Nov-18	13:10:49
11	11 181126M1_11	ST181126M1-10 PFC CS7 18K1910	26-Nov-18	13:21:23
12	12 181126M1_12	IPA	26-Nov-18	13:32:01
13	13 181126M1_13	ICV181126M1-1 PFC ICV 18K1911	26-Nov-18	13:42:34
14	14 181126M1_14	IPA	26-Nov-18	13:53:12

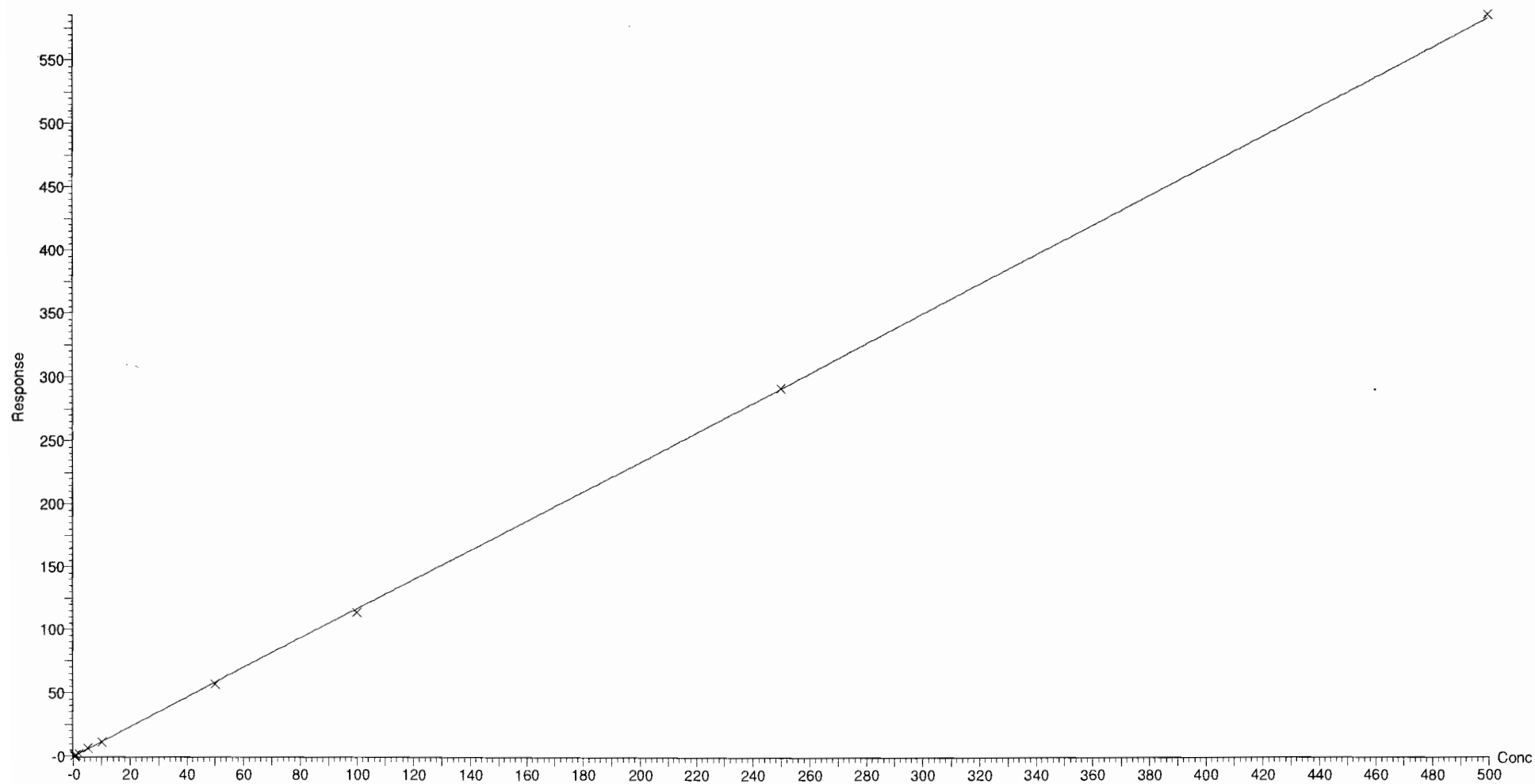
Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112618.mdb 26 Nov 2018 13:53:04
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

Compound name: PFBA
Correlation coefficient: $r = 0.999908$, $r^2 = 0.999815$
Calibration curve: $1.16478 * x + 0.0685845$
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

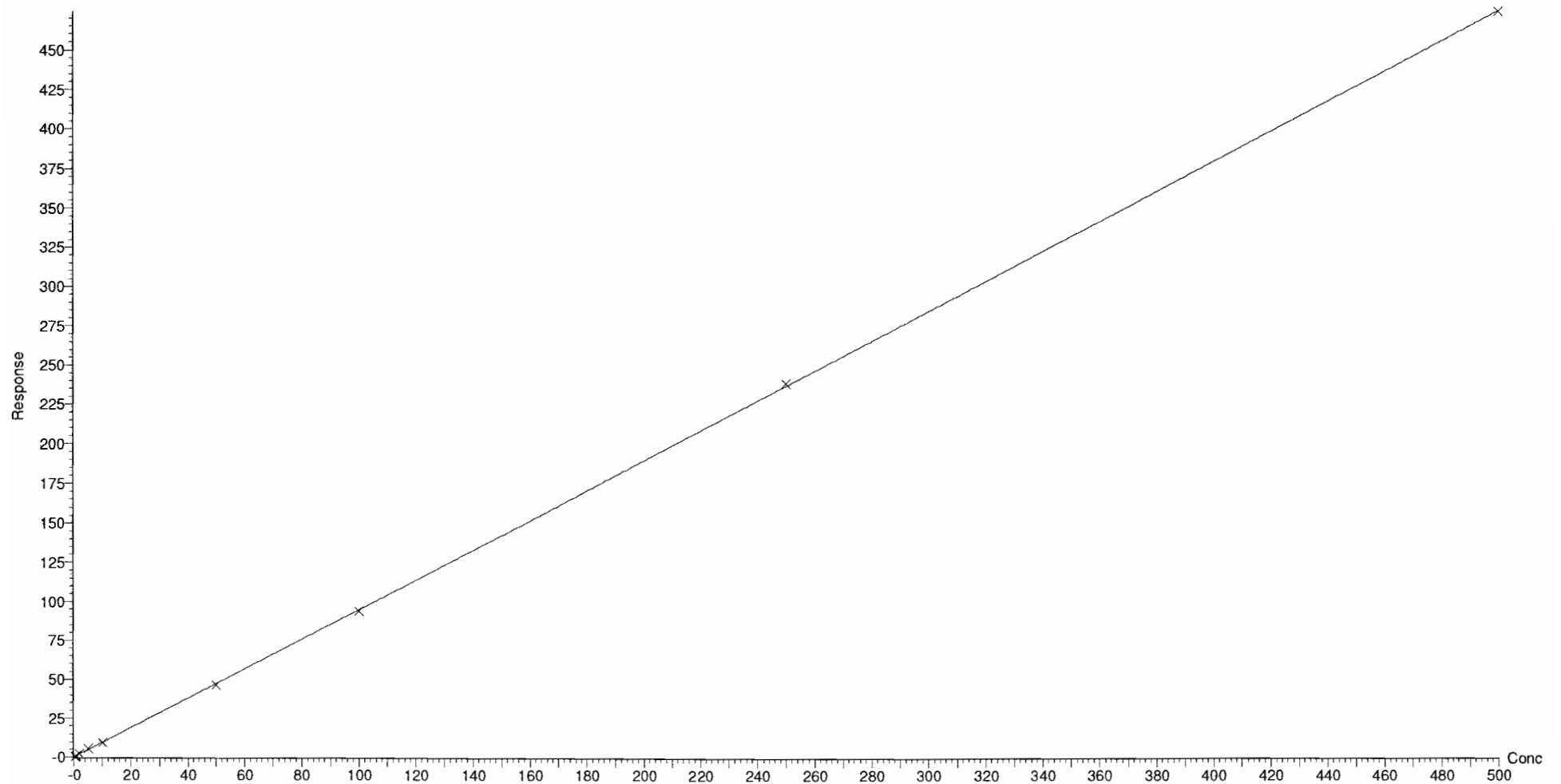
Compound name: PFPeA

Coefficient of Determination: $R^2 = 0.999820$

Calibration curve: $4.72356e-006 * x^2 + 0.945965 * x + 0.0647094$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

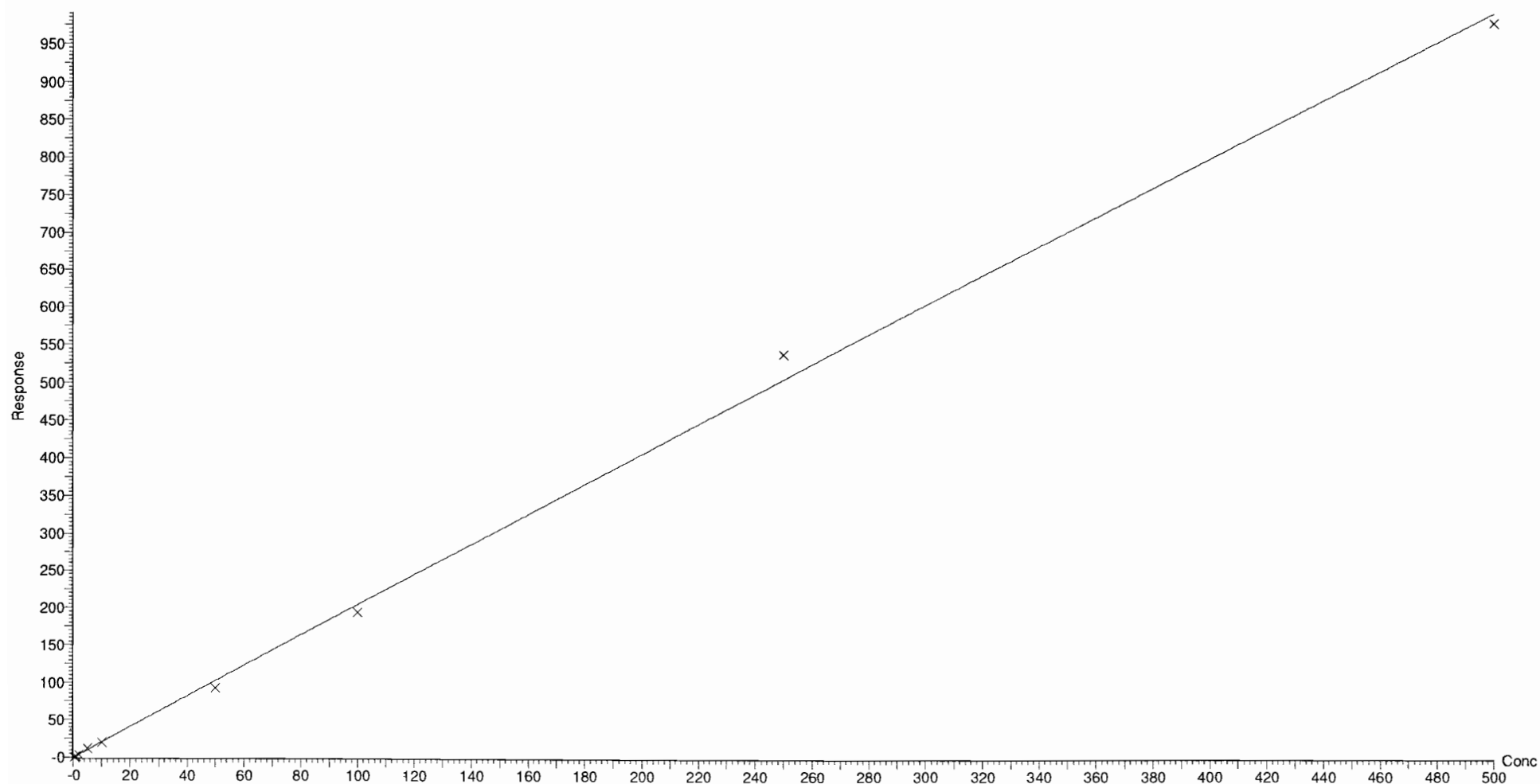
Compound name: PFBS

Coefficient of Determination: $R^2 = 0.997695$

Calibration curve: $-0.000161679 * x^2 + 2.06224 * x + 0.0291321$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

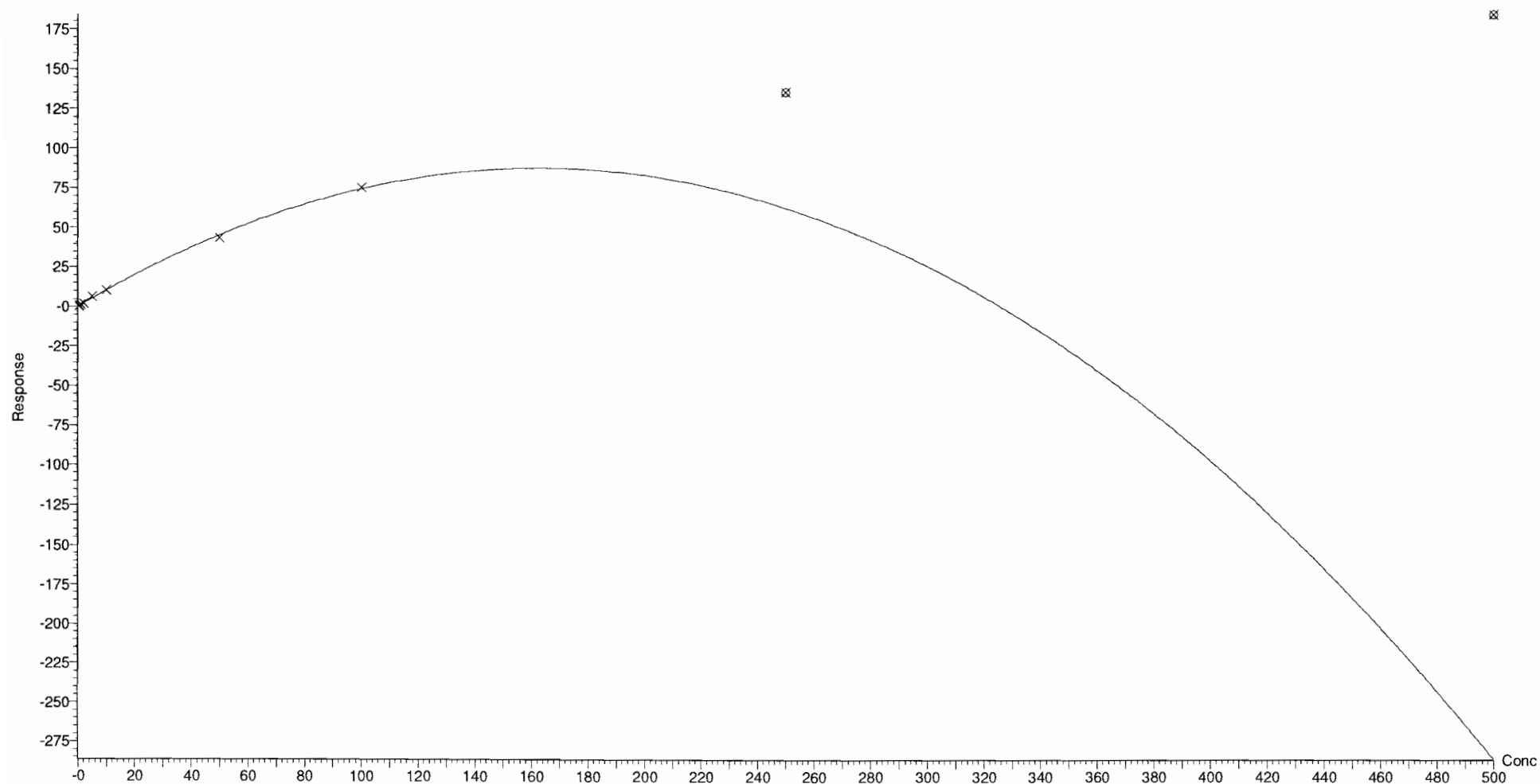
Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.997744$

Calibration curve: $-0.00329241 * x^2 + 1.0746 * x + 0.0302455$

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\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

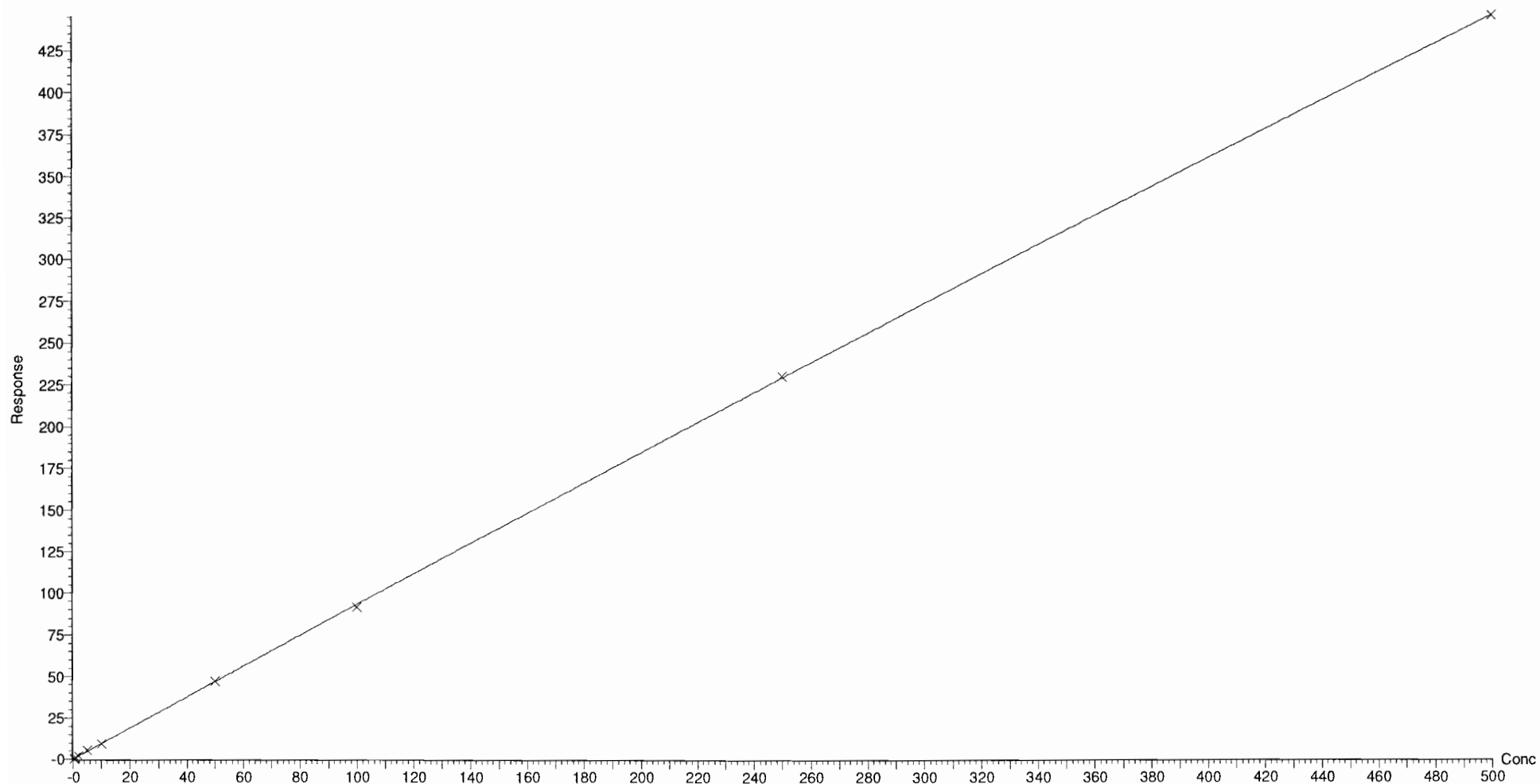
Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999832$

Calibration curve: $-0.000104875 * x^2 + 0.943399 * x + 0.0492708$

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\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

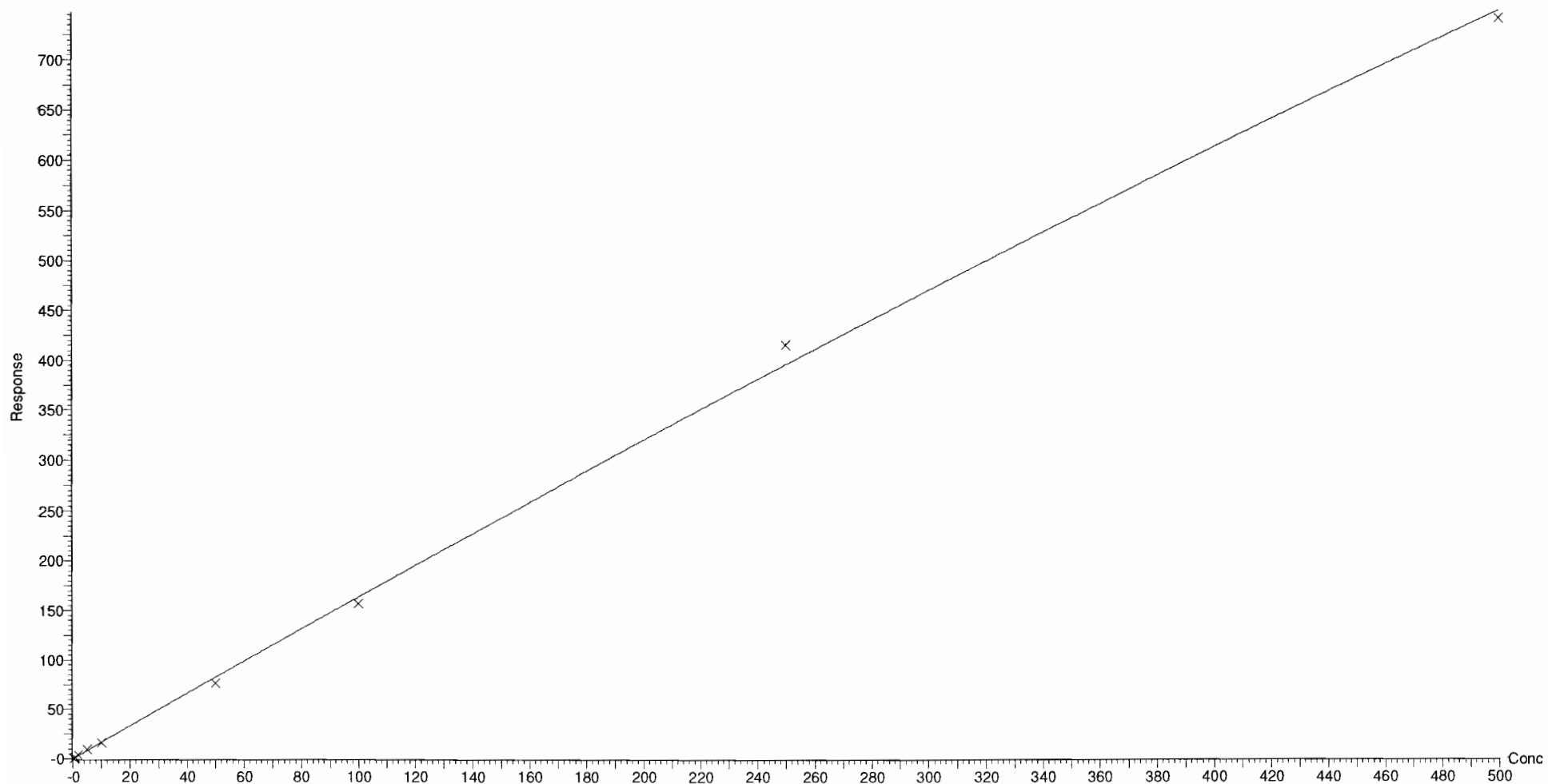
Compound name: PFPeS

Coefficient of Determination: $R^2 = 0.998416$

Calibration curve: $-0.00034984 * x^2 + 1.67039 * x + 0.0318278$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

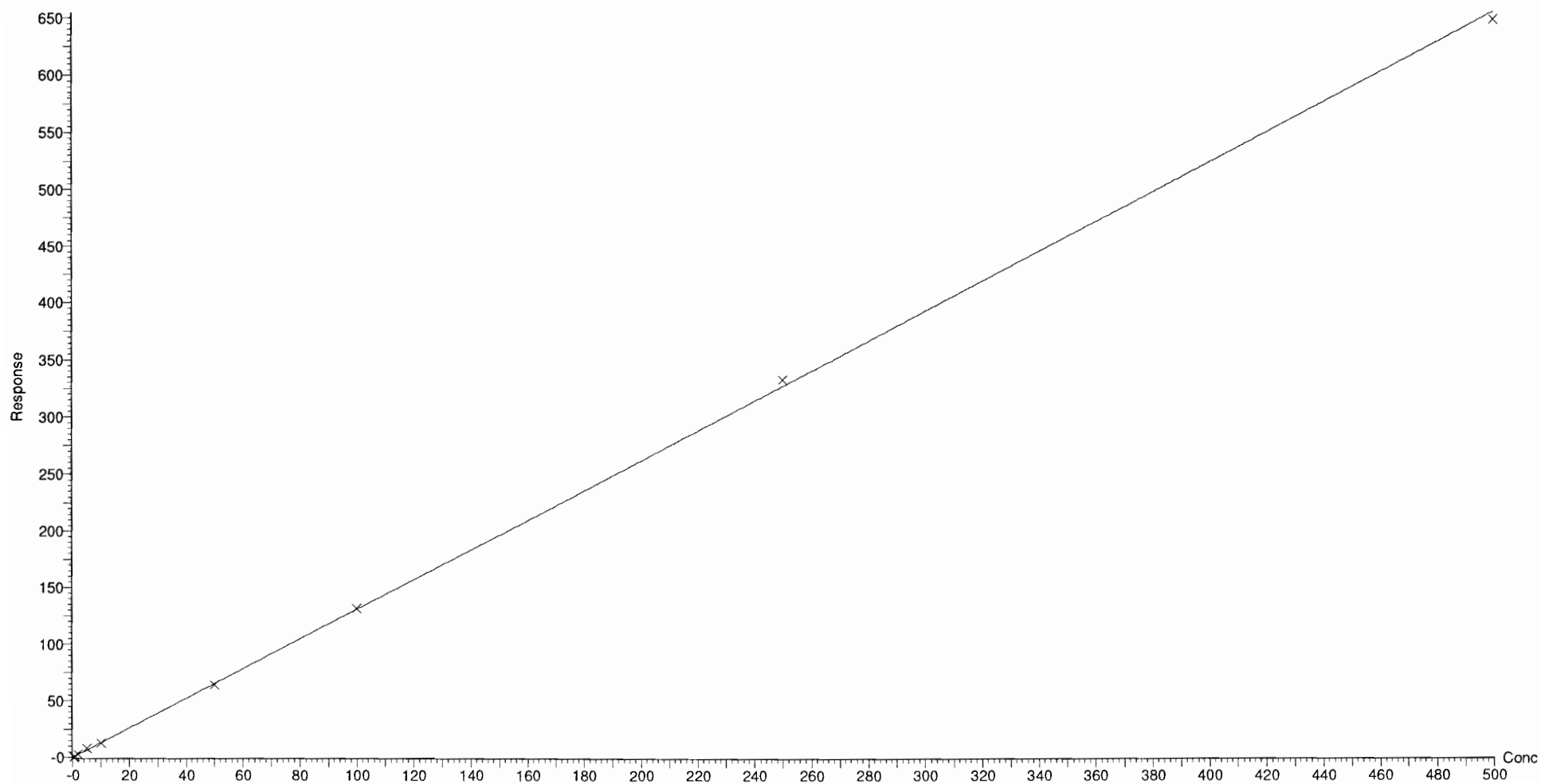
Compound name: PFHpA

Correlation coefficient: $r = 0.999783$, $r^2 = 0.999567$

Calibration curve: $1.30873 * x + 0.0886199$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

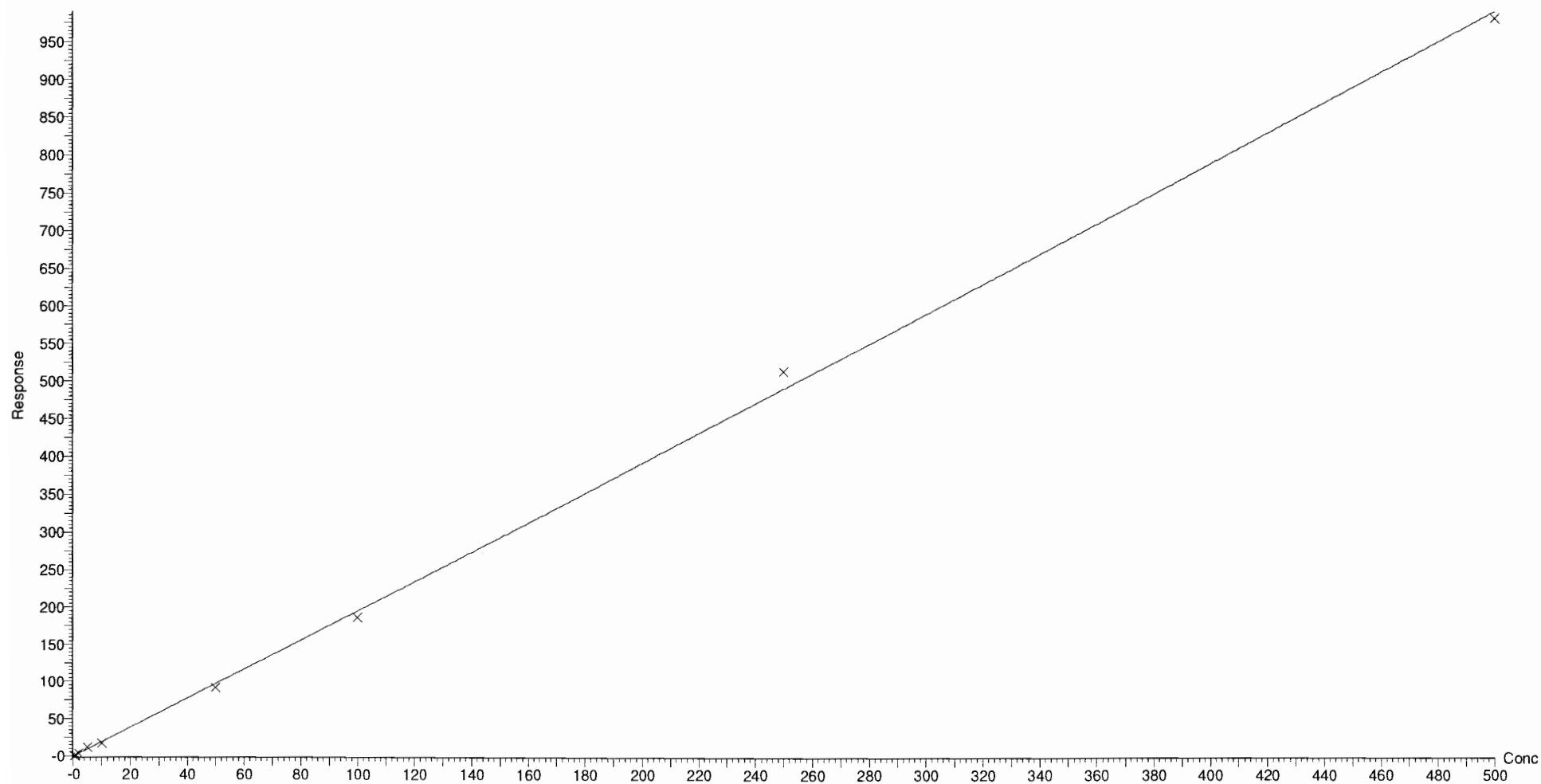
Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.998700$

Calibration curve: $7.11978e-005 * x^2 + 1.94438 * x + -0.00102564$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

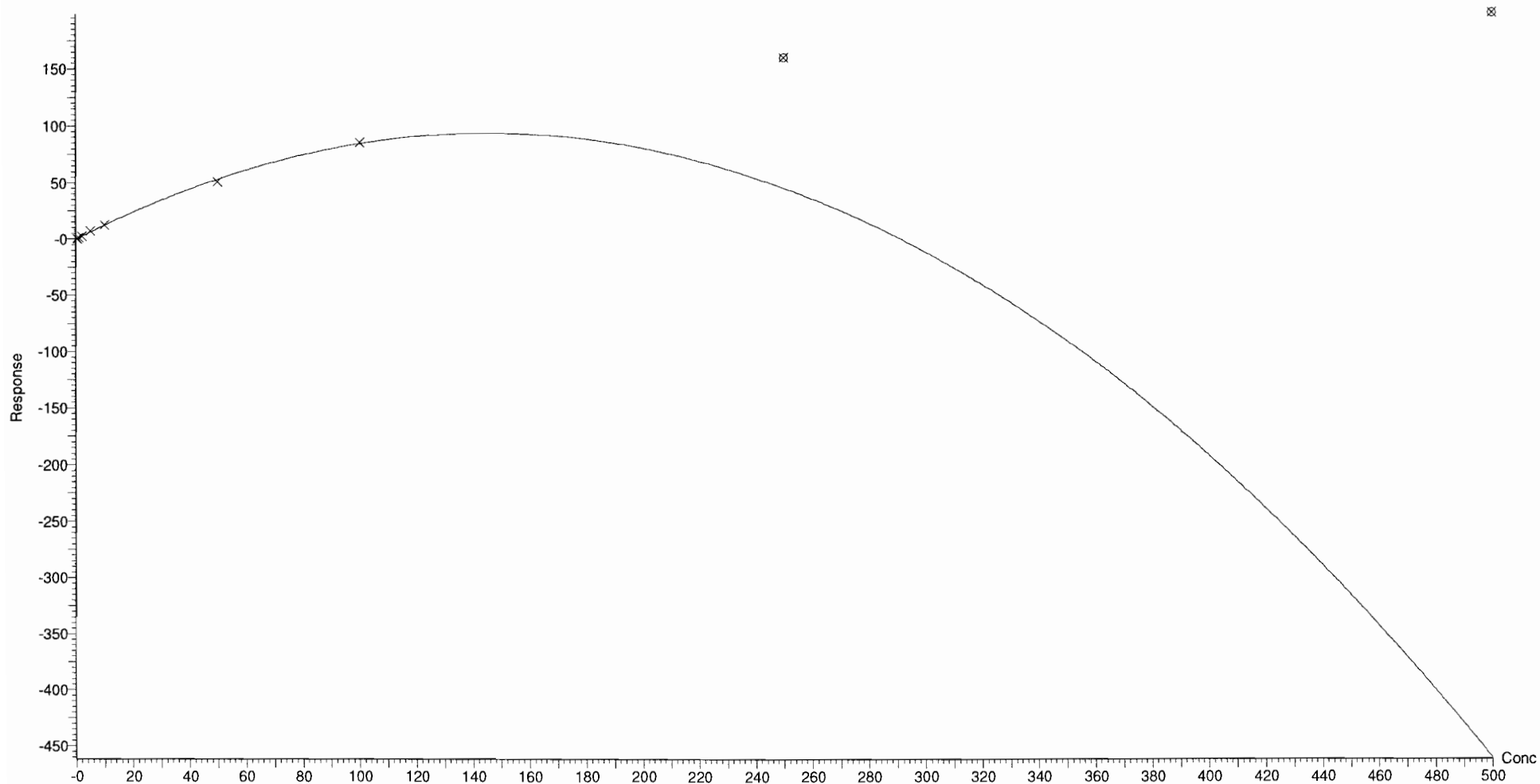
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.997882$

Calibration curve: $-0.0044139 * x^2 + 1.28489 * x + 0.0365766$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

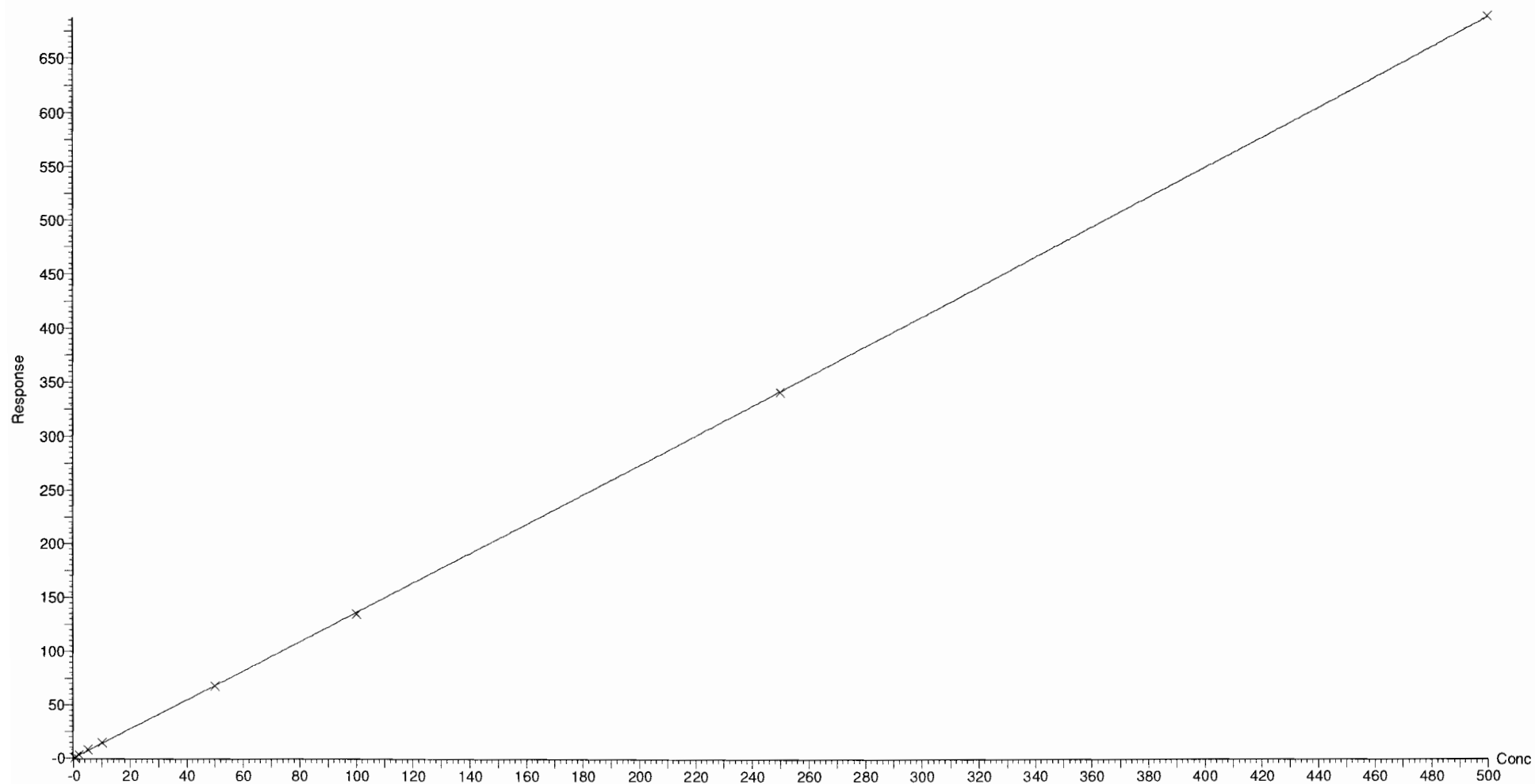
Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999794$

Calibration curve: $3.30794e-005 * x^2 + 1.35692 * x + 0.157598$

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\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

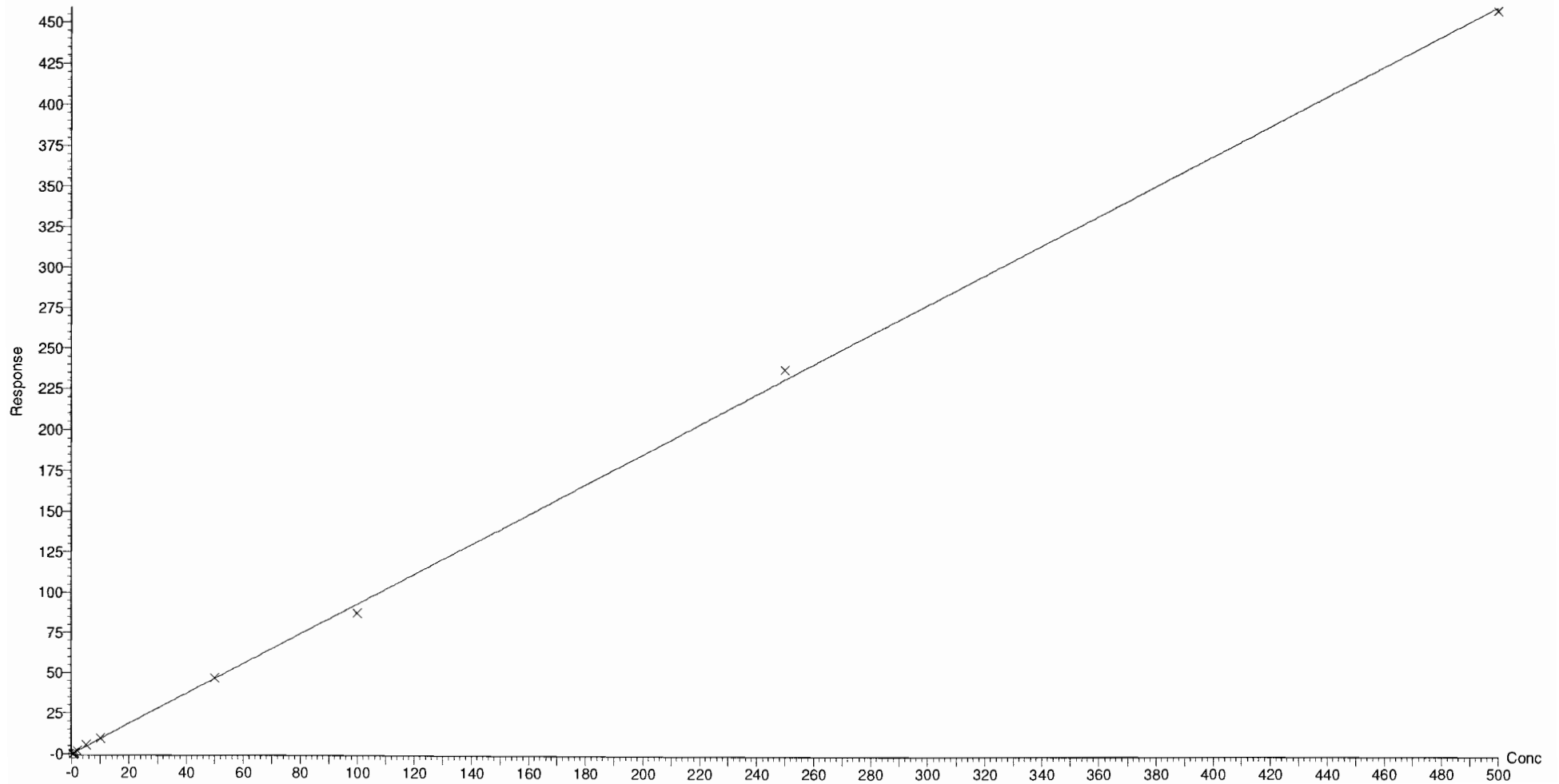
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999257$

Calibration curve: $-2.62046e-005 * x^2 + 0.932171 * x + 0.0595585$

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\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

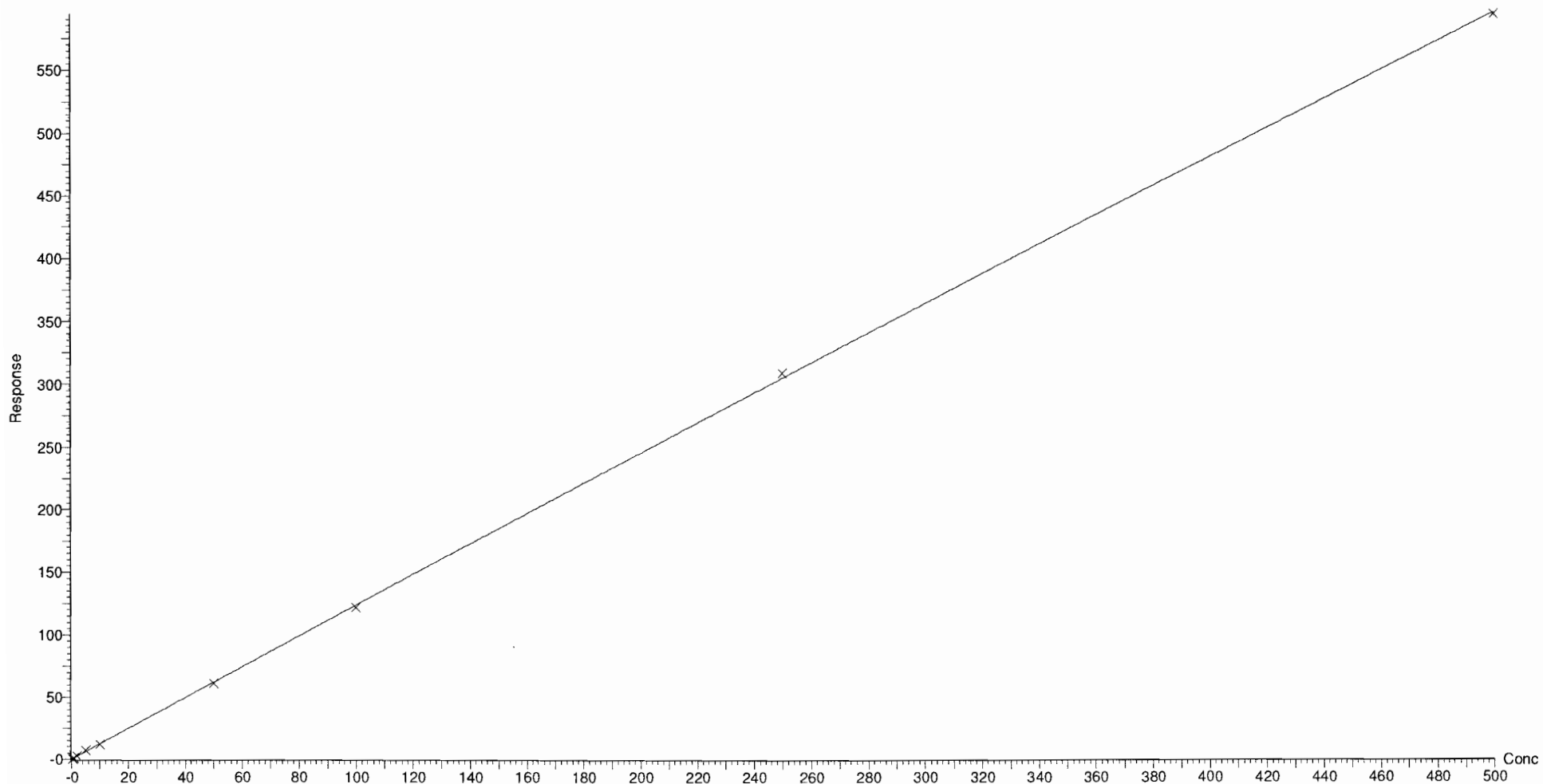
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999758$

Calibration curve: $-0.000123392 * x^2 + 1.25051 * x + 0.0436441$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

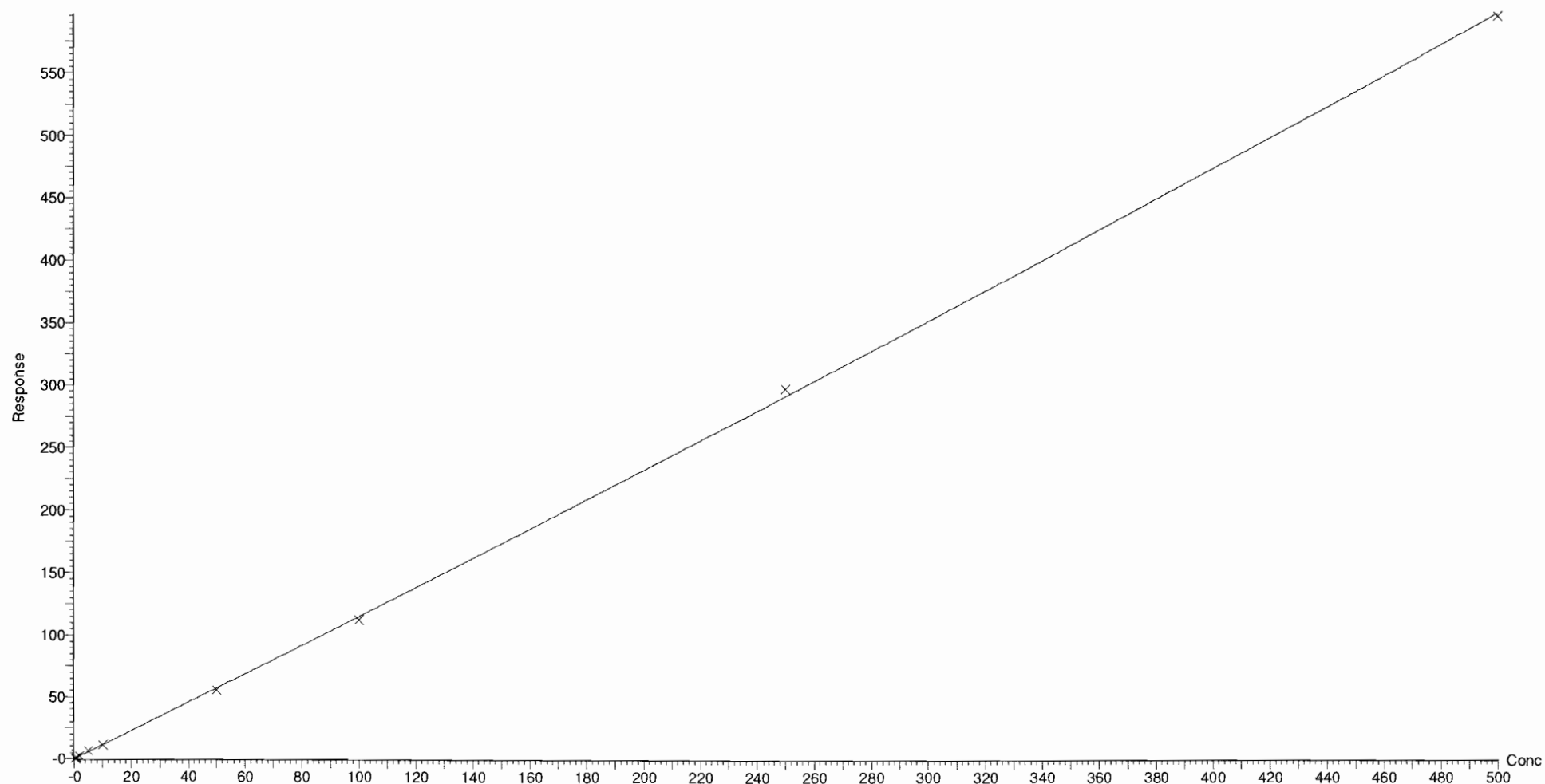
Compound name: PFOSA

Coefficient of Determination: $R^2 = 0.999684$

Calibration curve: $0.000109224 * x^2 + 1.13948 * x + -0.0243111$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

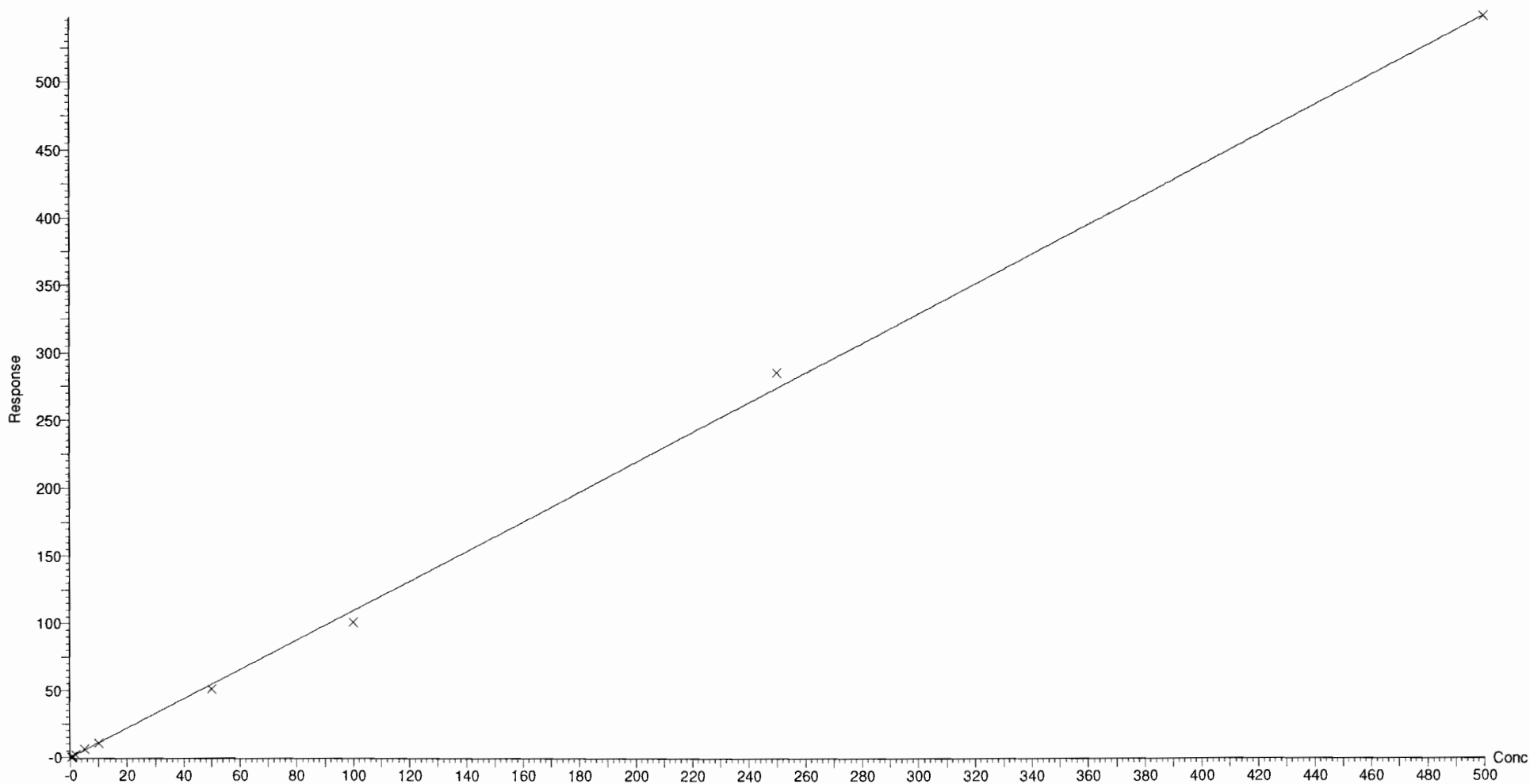
Compound name: L-PFOS

Correlation coefficient: $r = 0.999291$, $r^2 = 0.998583$

Calibration curve: $1.09502 * x + 0.0459904$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

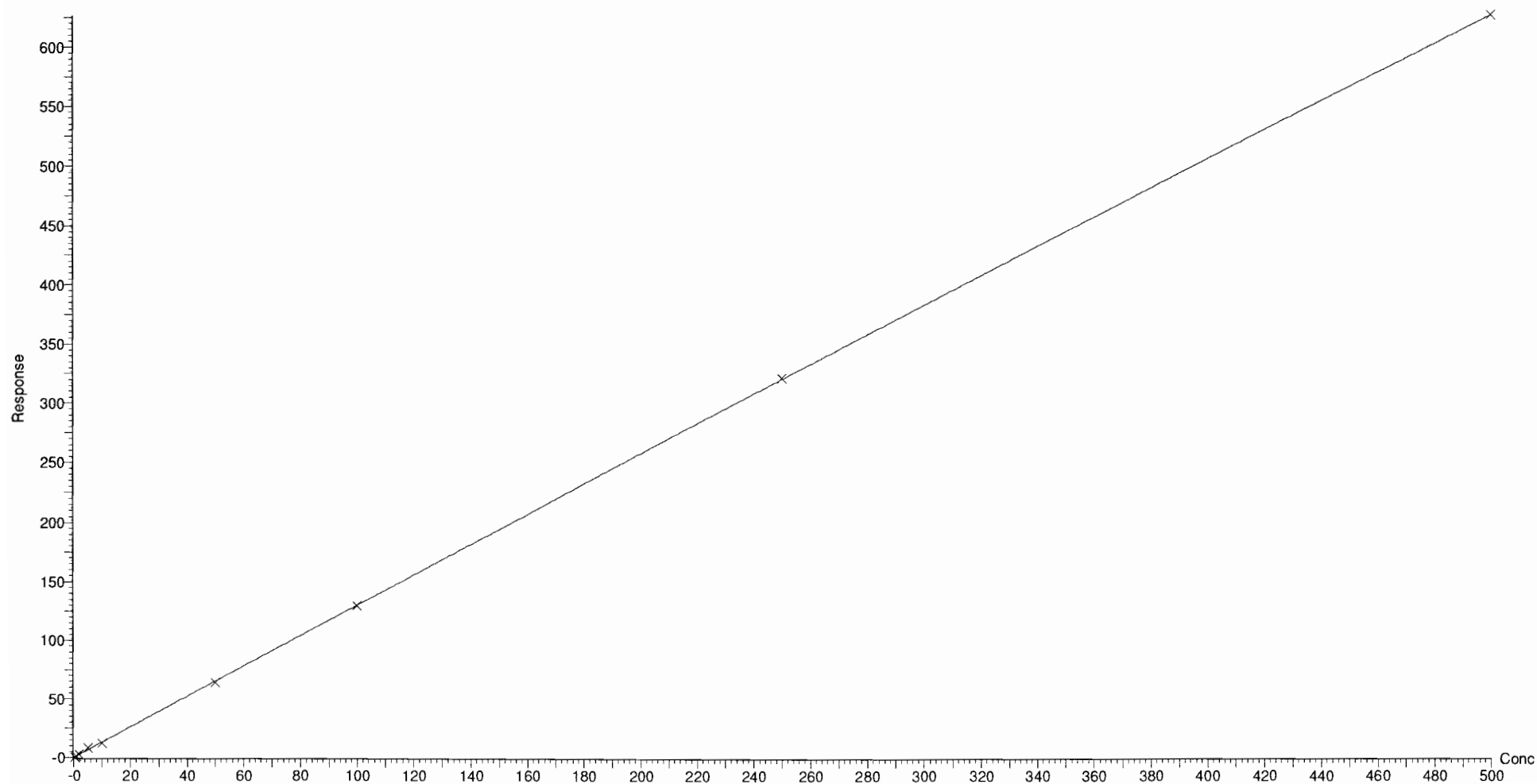
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999437$

Calibration curve: $-0.000121158 * x^2 + 1.3134 * x + 0.026774$

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\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

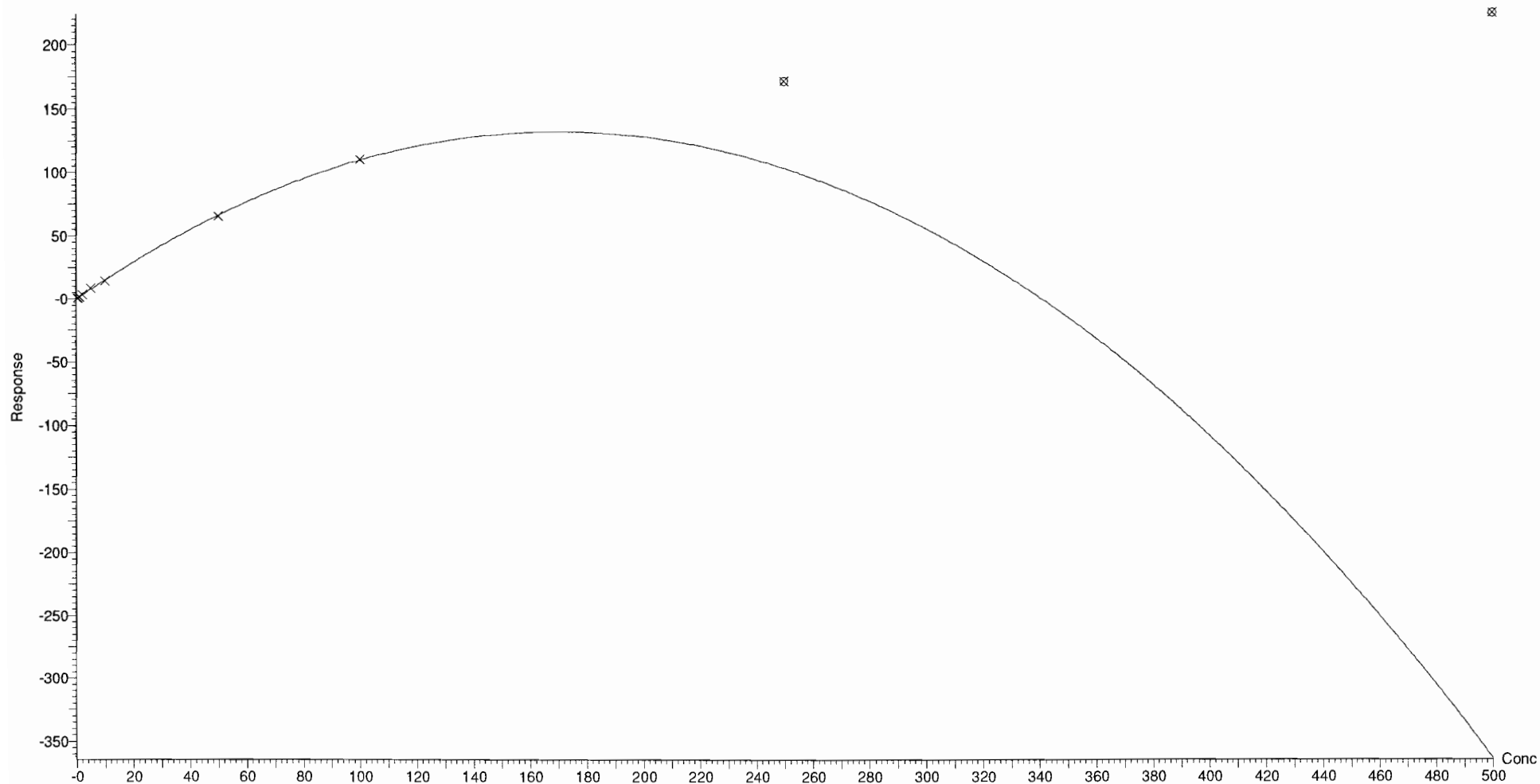
Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.998754$

Calibration curve: $-0.0045567 * x^2 + 1.55189 * x + 0.0660151$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

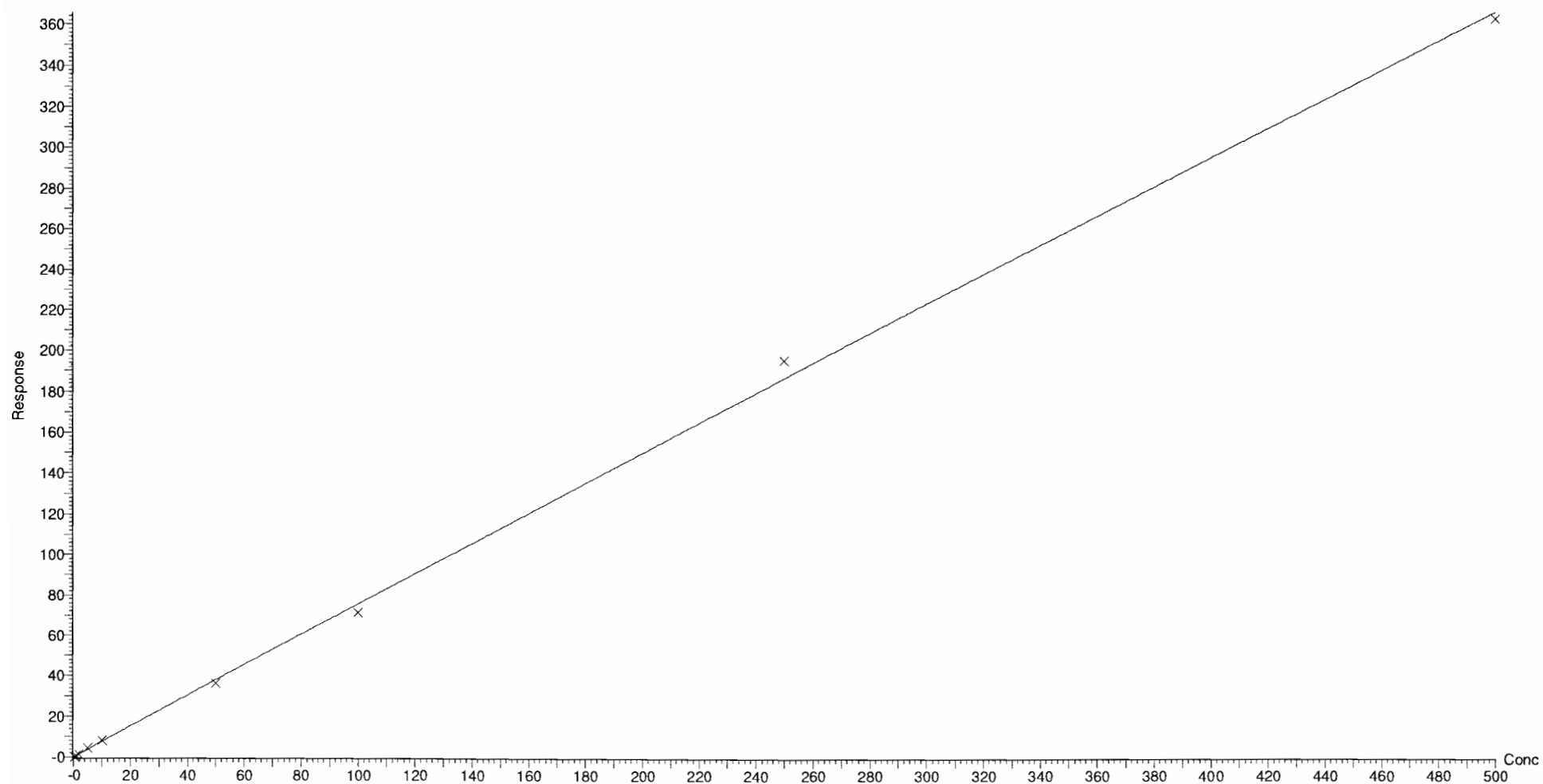
Compound name: PFNS

Coefficient of Determination: $R^2 = 0.998671$

Calibration curve: $-6.14234e-005 * x^2 + 0.762317 * x + 0.0530889$

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\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

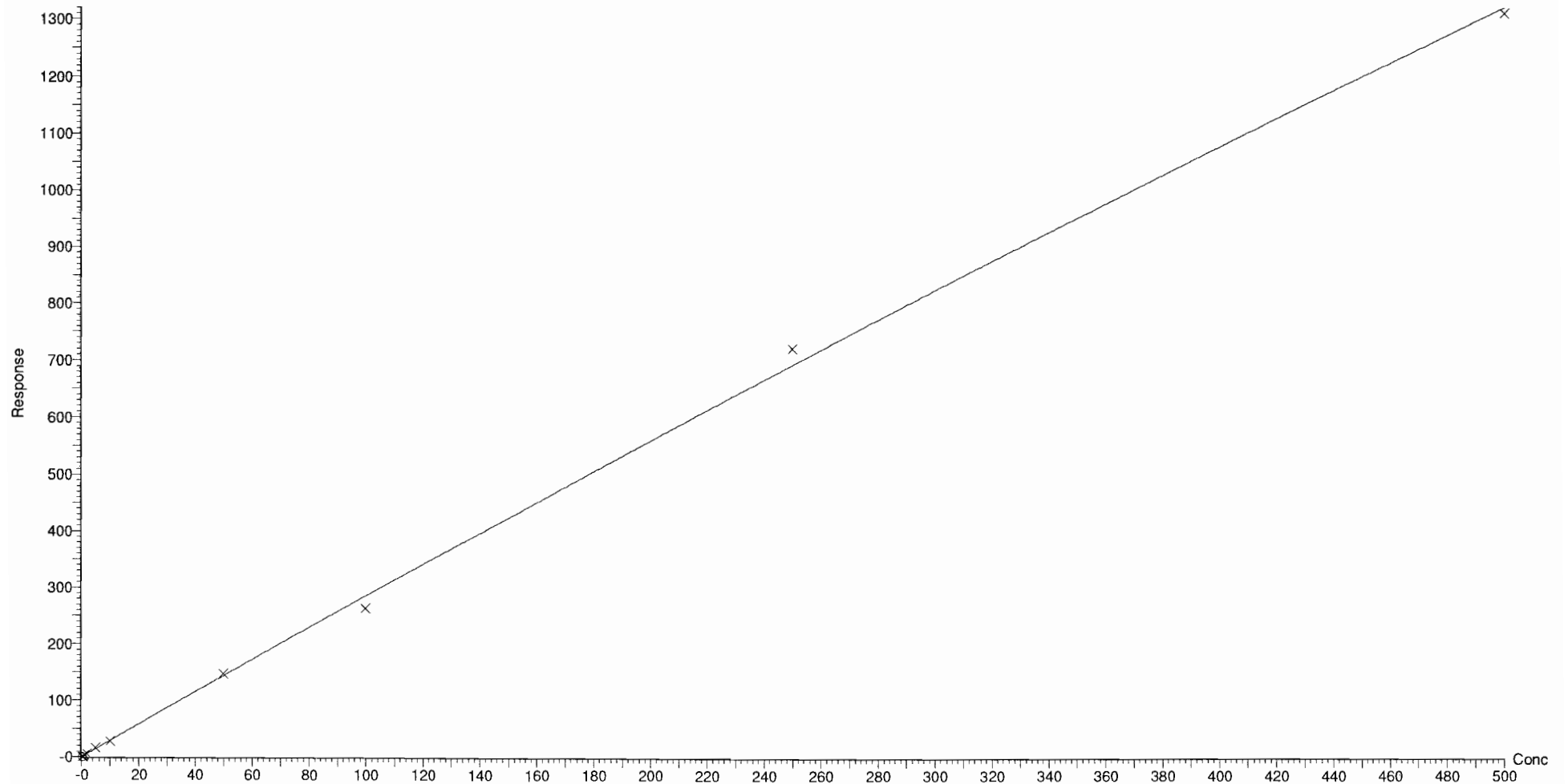
Compound name: L-MeFOSAA

Coefficient of Determination: $R^2 = 0.998550$

Calibration curve: $-0.00052965 * x^2 + 2.90523 * x + 0.0881852$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:13 Pacific Standard Time

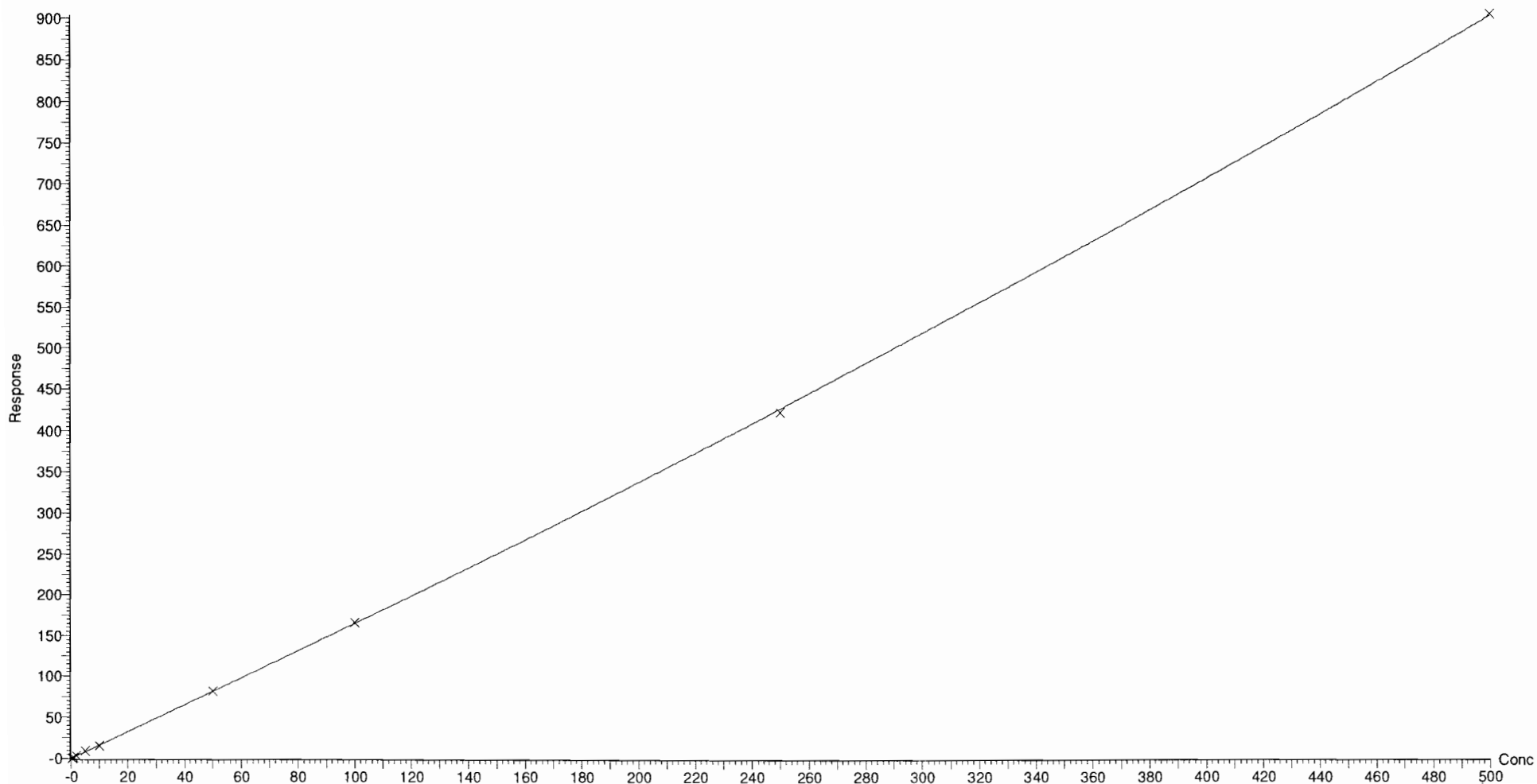
Compound name: L-EtFOSAA

Coefficient of Determination: $R^2 = 0.999862$

Calibration curve: $0.000386736 * x^2 + 1.61077 * x + 0.0602011$

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\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112618.mdb 26 Nov 2018 13:53:04

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_11-26-18.cdb 26 Nov 2018 14:29:06

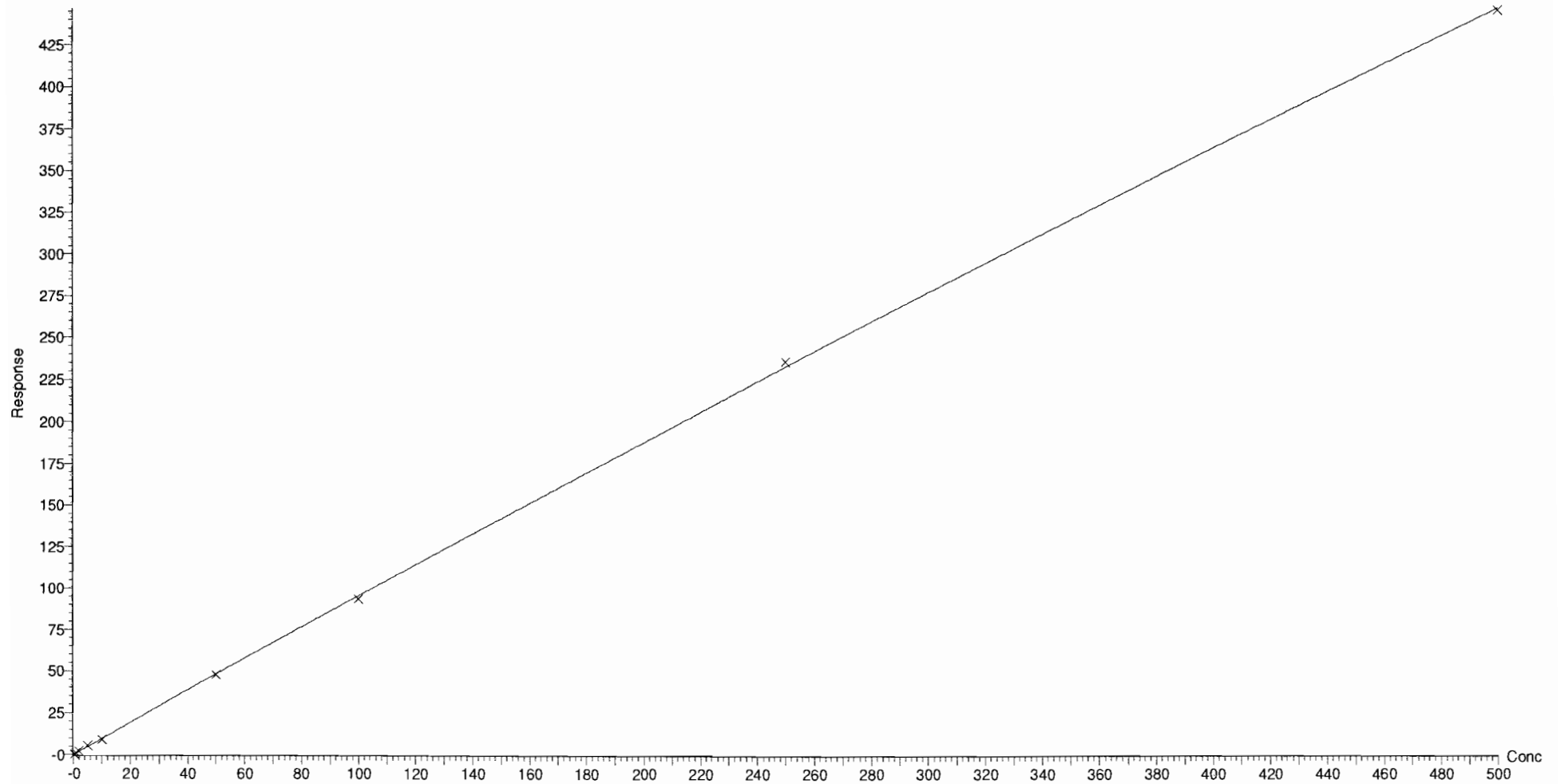
Compound name: PFUdA

Coefficient of Determination: $R^2 = 0.999703$

Calibration curve: $-0.000152898 * x^2 + 0.969236 * x + 0.0723136$

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\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

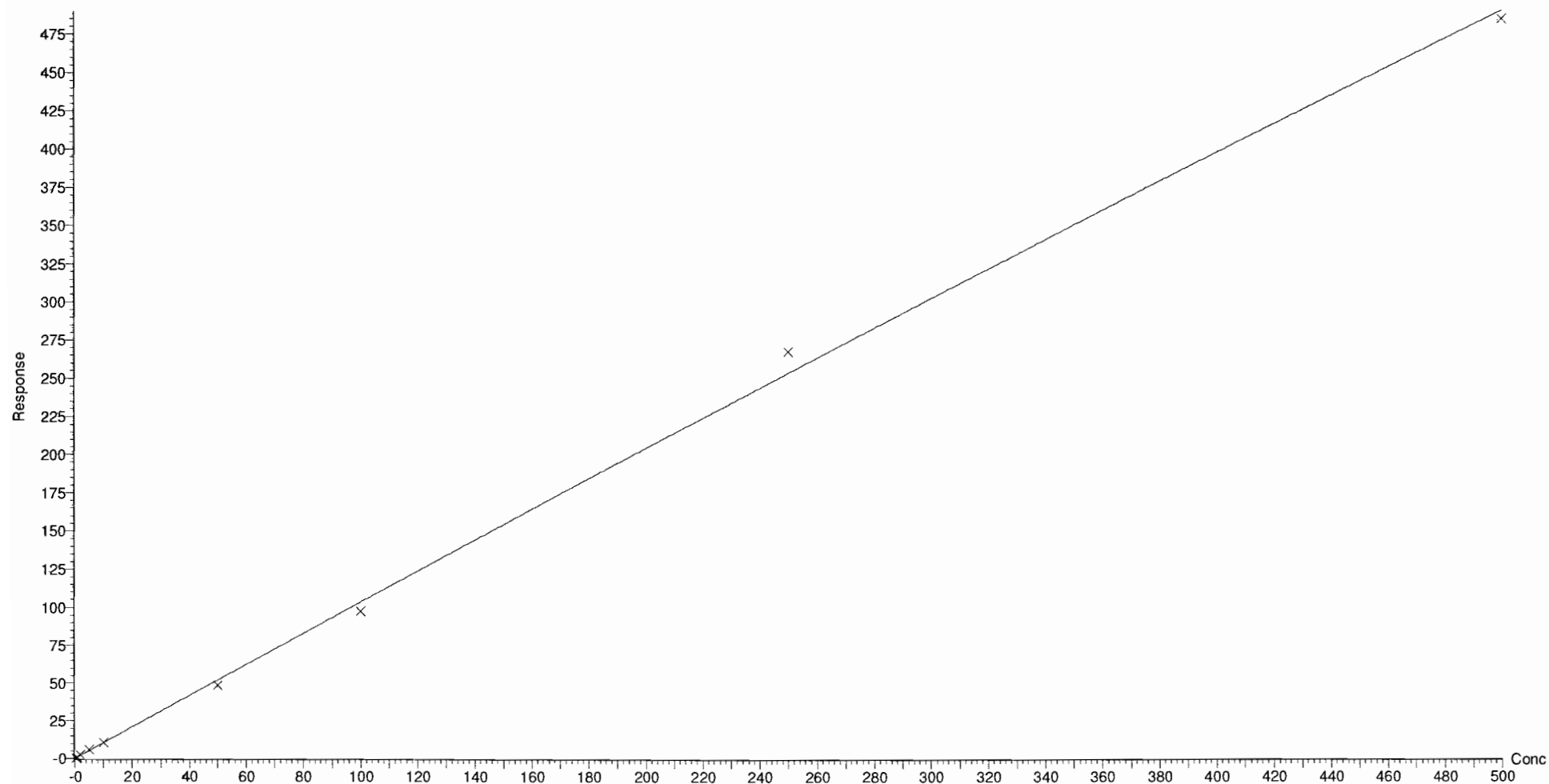
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.998317$

Calibration curve: $-0.000138966 * x^2 + 1.04937 * x + 0.0115389$

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\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

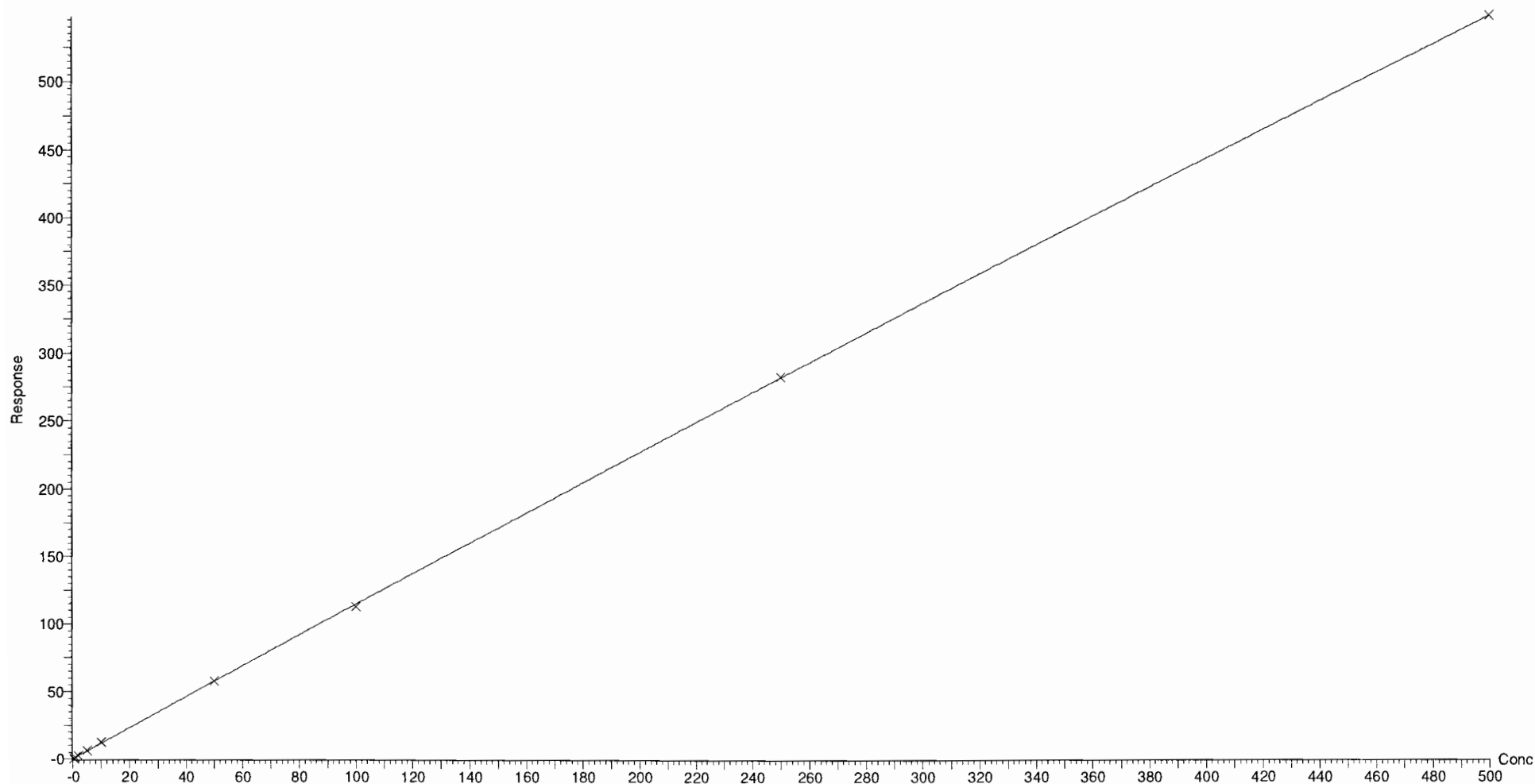
Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.999868$

Calibration curve: $-0.000134587 * x^2 + 1.16156 * x + 0.0671424$

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

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

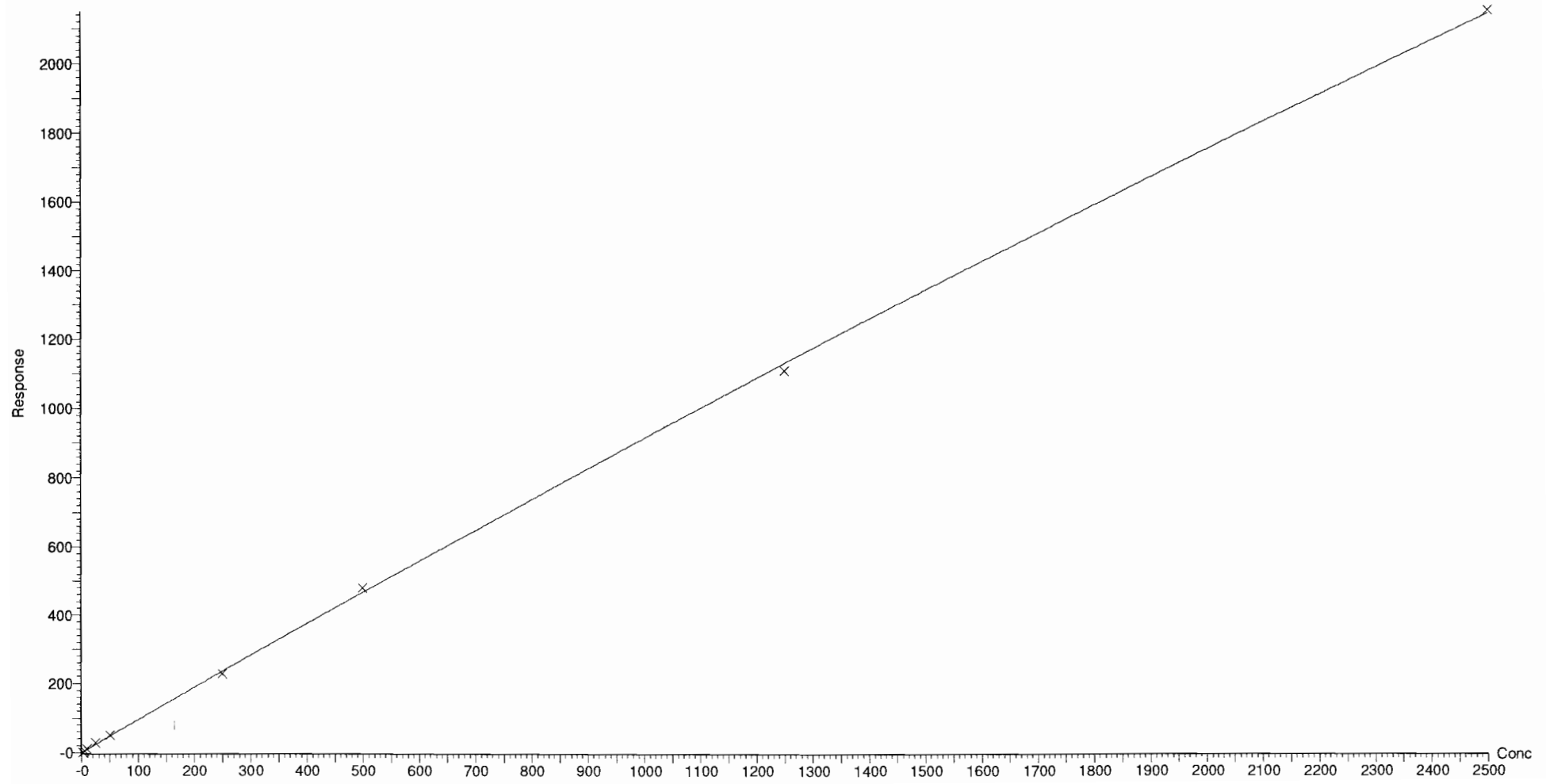


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

Compound name: N-MeFOSA
Coefficient of Determination: $R^2 = 0.999421$
Calibration curve: $-3.87935e-005 * x^2 + 0.953523 * x + 0.468324$
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

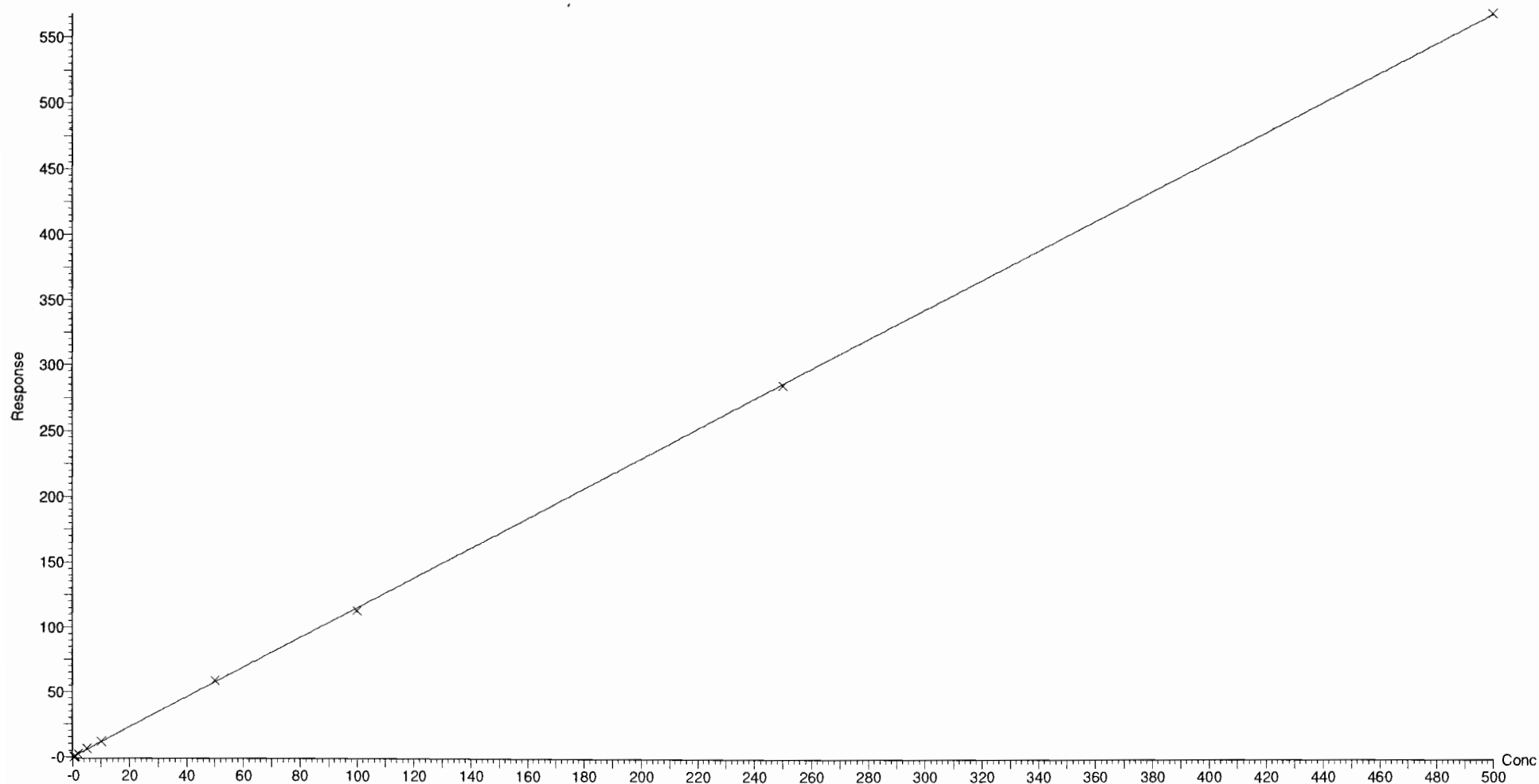
Compound name: PFTrDA

Coefficient of Determination: $R^2 = 0.999827$

Calibration curve: $-4.24277e-005 * x^2 + 1.15539 * x + 0.0691663$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

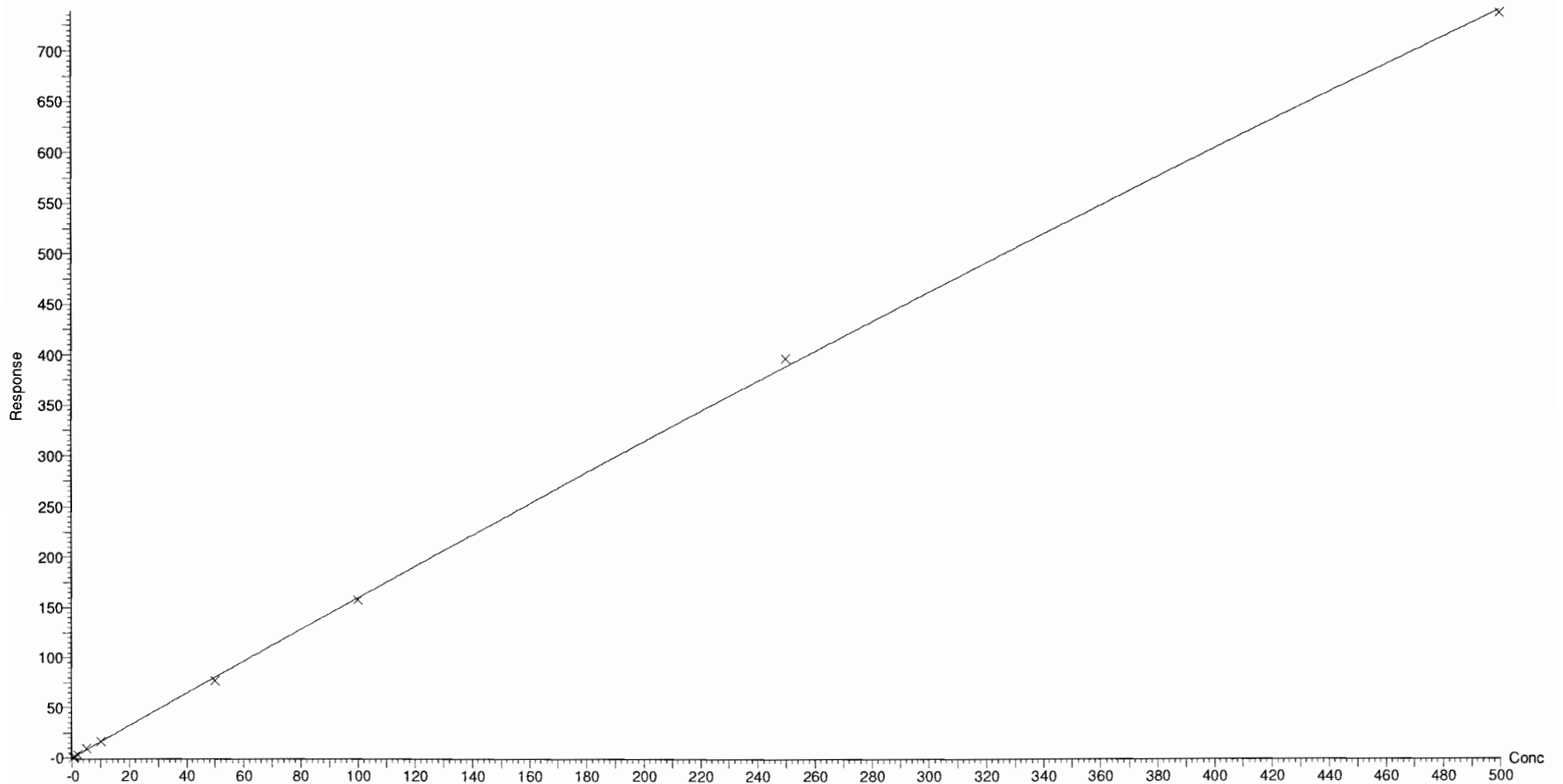
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999640$

Calibration curve: $-0.000300636 * x^2 + 1.62832 * x + 0.0899878$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

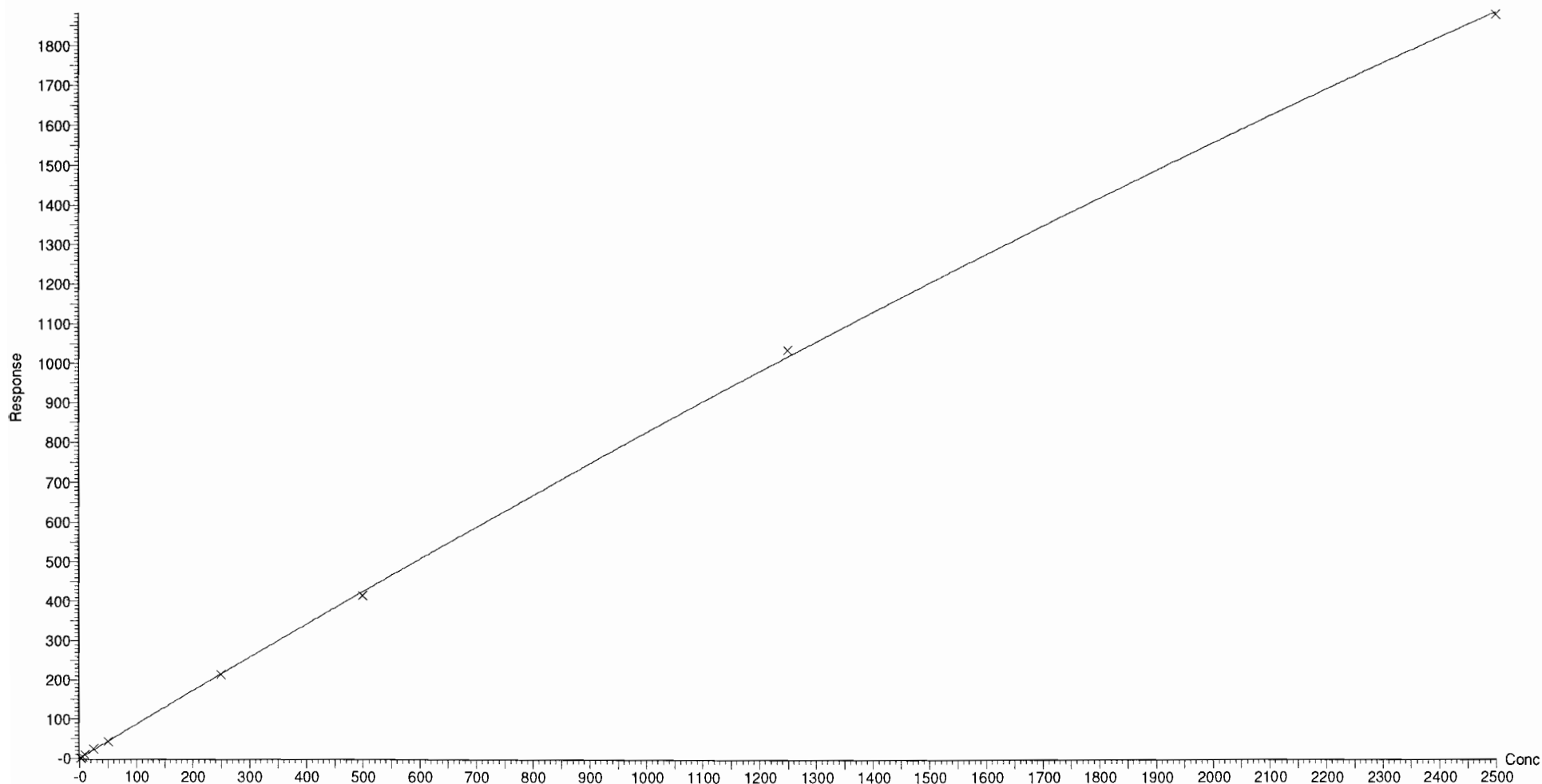
Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999752$

Calibration curve: $-4.89024e-005 * x^2 + 0.875046 * x + 0.265554$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

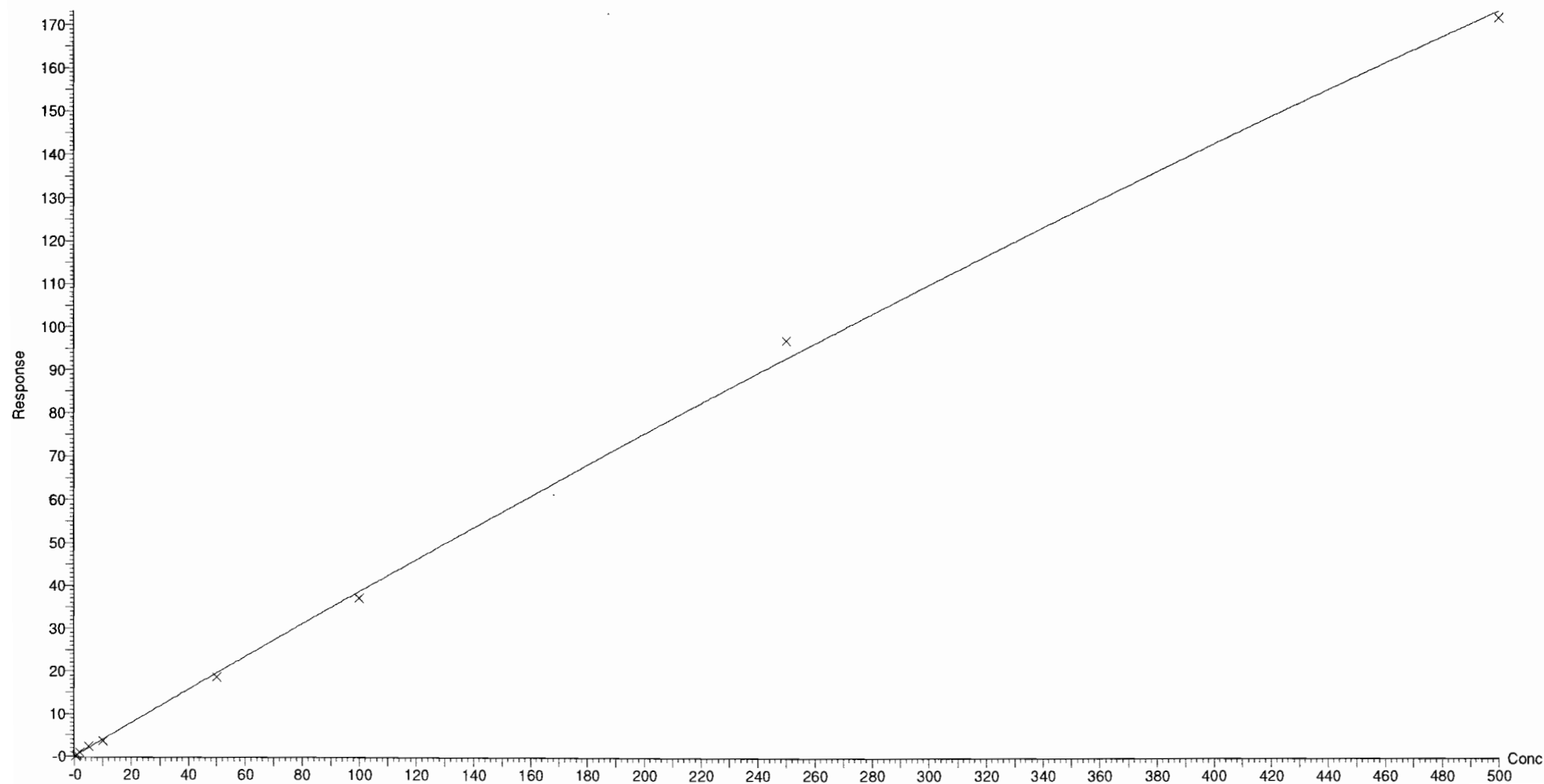
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.998670$

Calibration curve: $-9.94628e-005 * x^2 + 0.395894 * x + 0.0669369$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

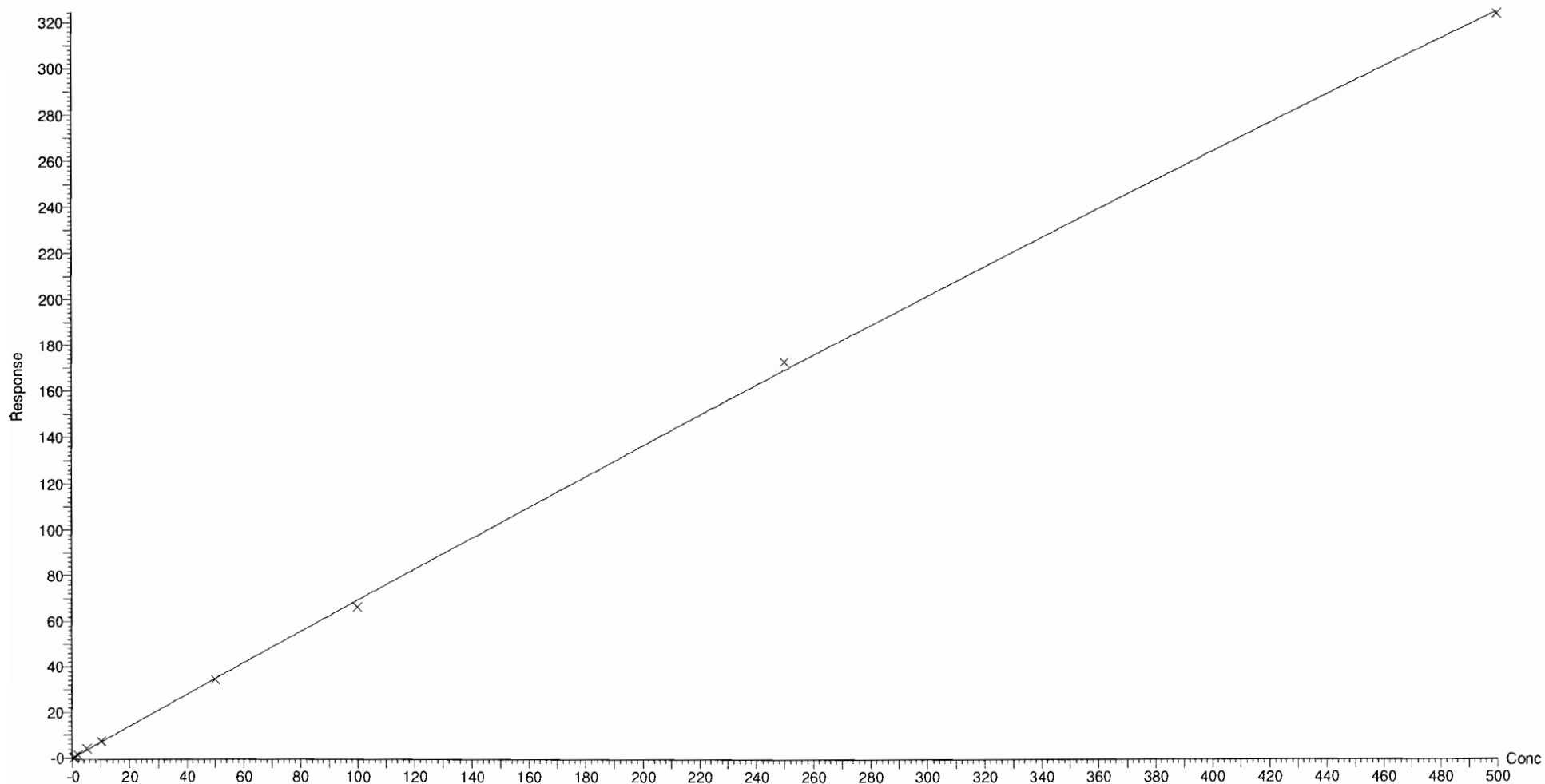
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.999437$

Calibration curve: $-0.000110262 * x^2 + 0.704083 * x + 0.0275186$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

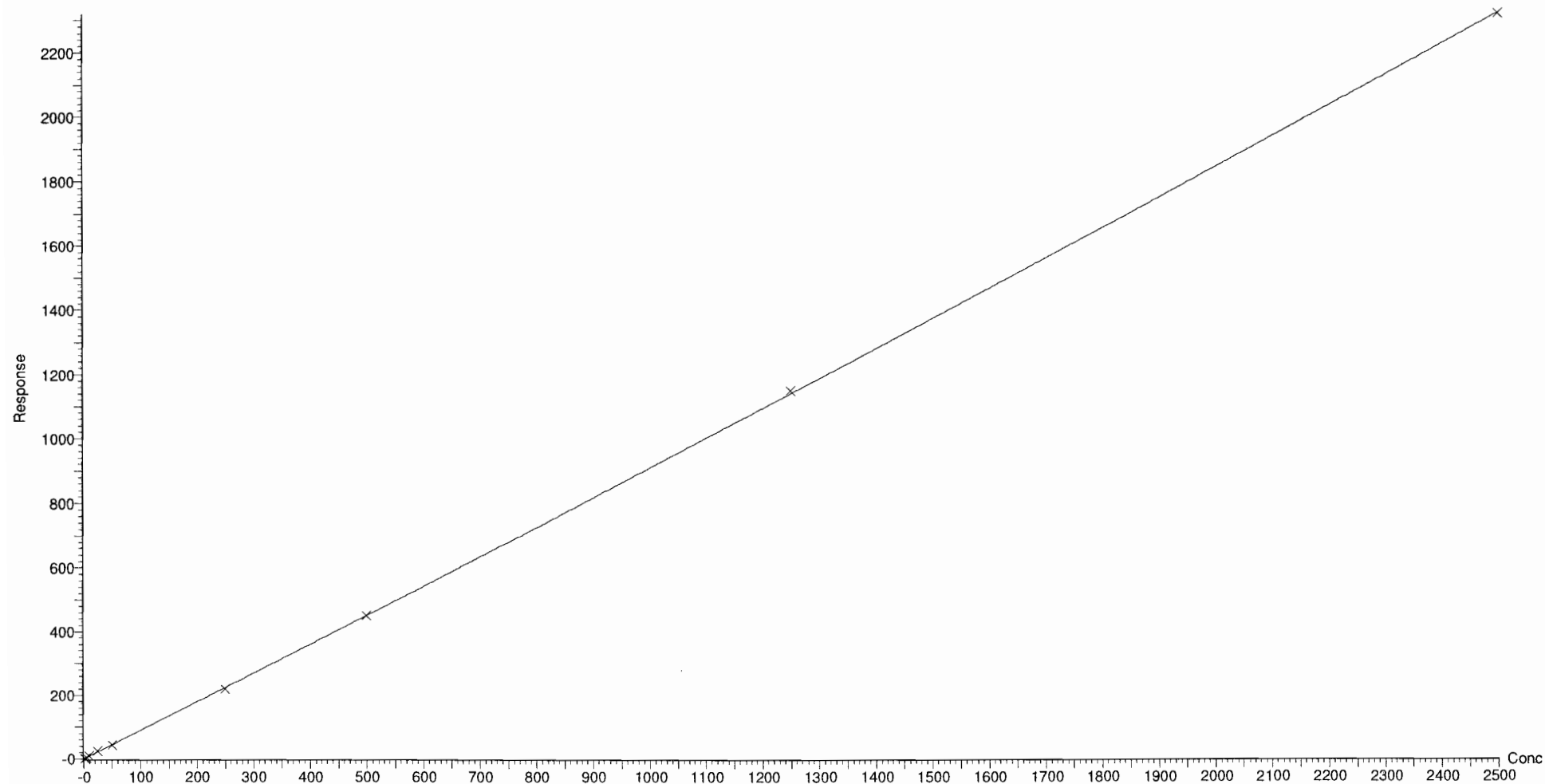
Compound name: N-MeFOSE

Coefficient of Determination: $R^2 = 0.999885$

Calibration curve: $1.26969e-005 * x^2 + 0.895945 * x + 0.479162$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:52:30 Pacific Standard Time

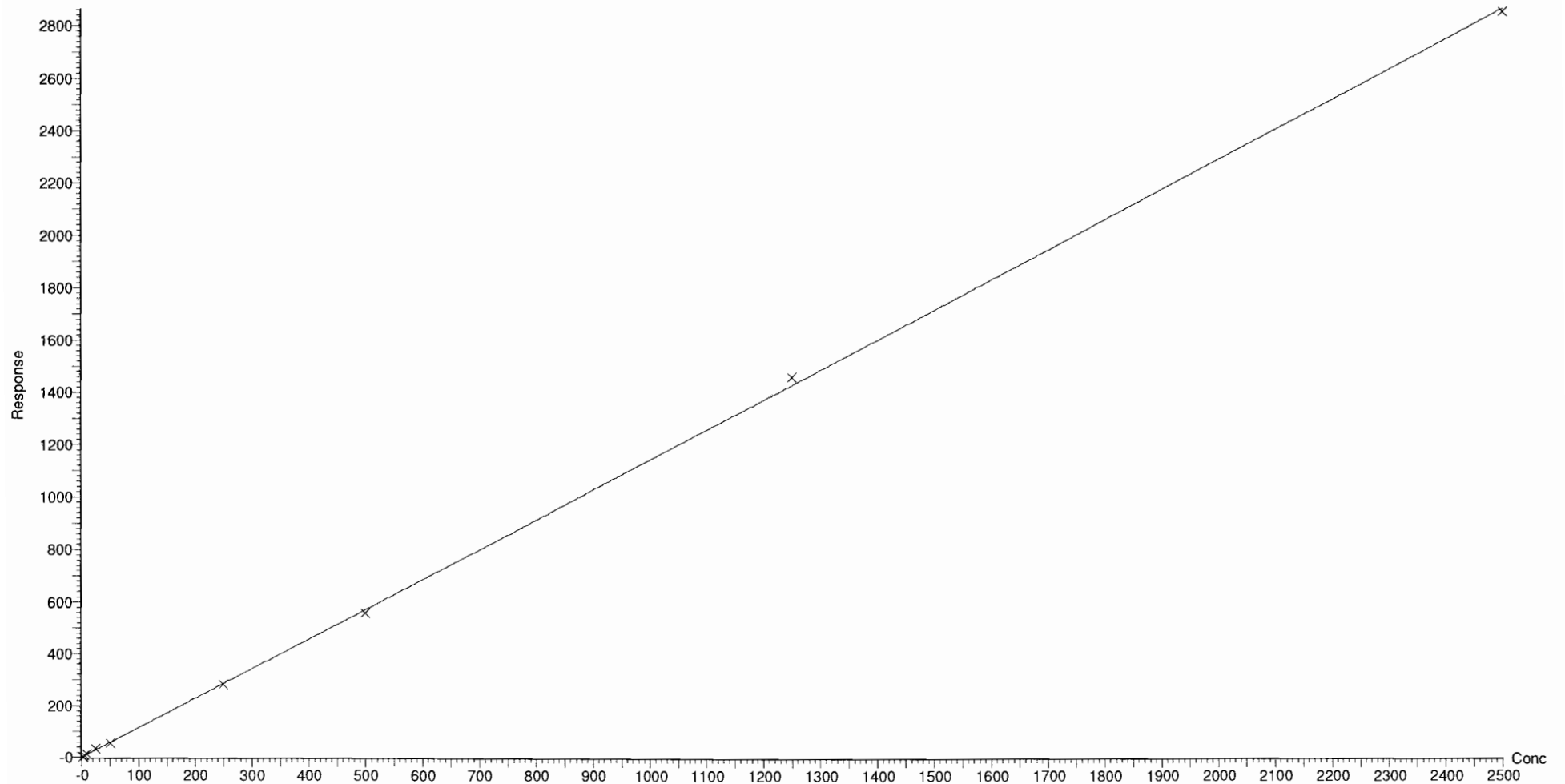
Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999668$

Calibration curve: $1.15732e-006 * x^2 + 1.14211 * x + 0.352591$

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

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



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

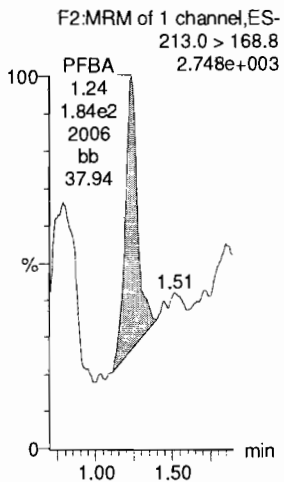
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_112618.mdb 26 Nov 2018 13:53:04

Calibration: 26 Nov 2018 14:09:42

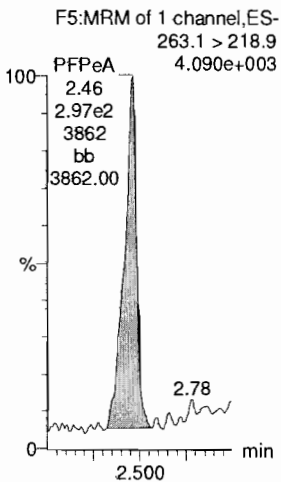
1 AD 11/21/18

Name: 181126M1_2, Date: 26-Nov-2018, Time: 11:45:59, ID: ST181126M1-1 PFC CS-2 18K1901, Description: PFC CS-2 18K1901

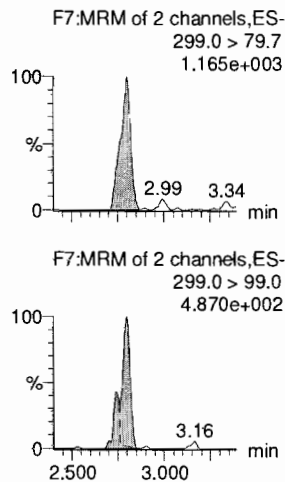
PFBA



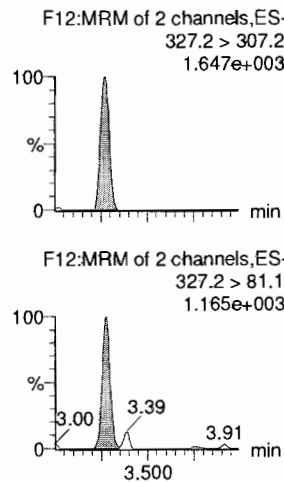
PFPeA



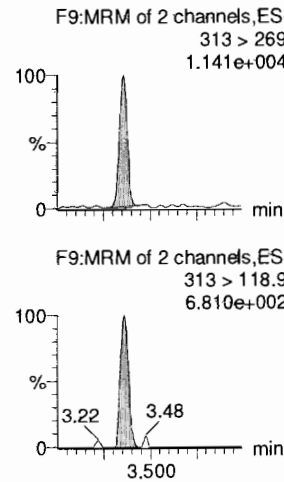
PFBS



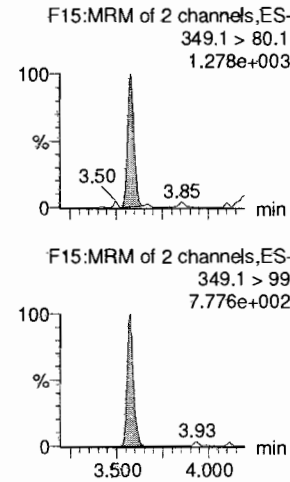
4:2 FTS



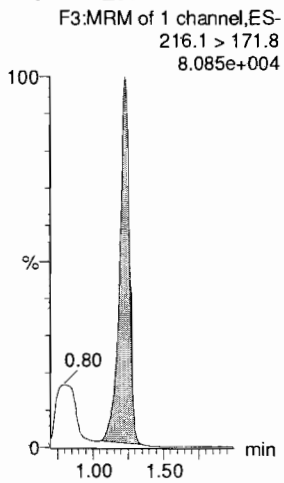
PFHxA



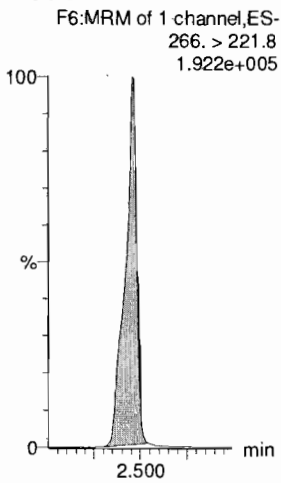
PFPeS



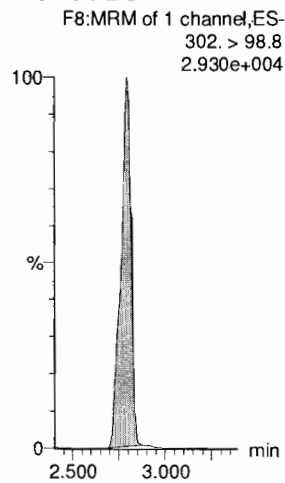
13C3-PFBA



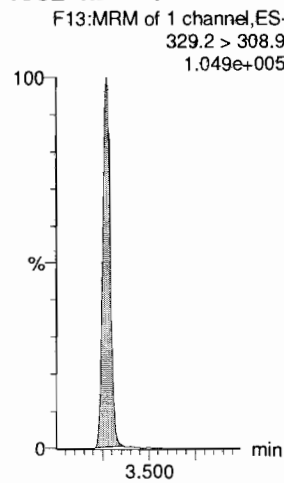
13C3-PFPeA



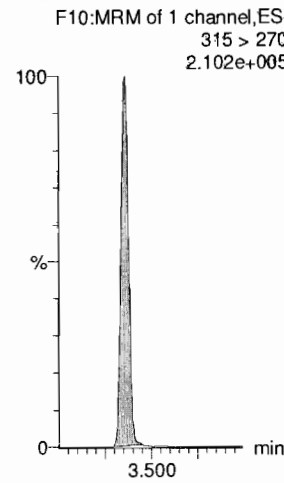
13C3-PFBS



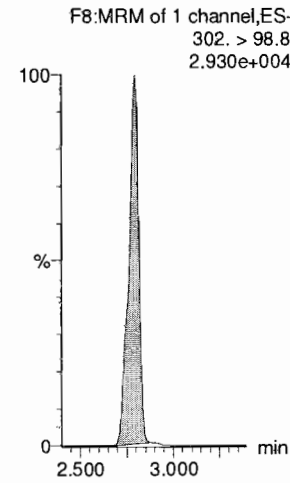
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

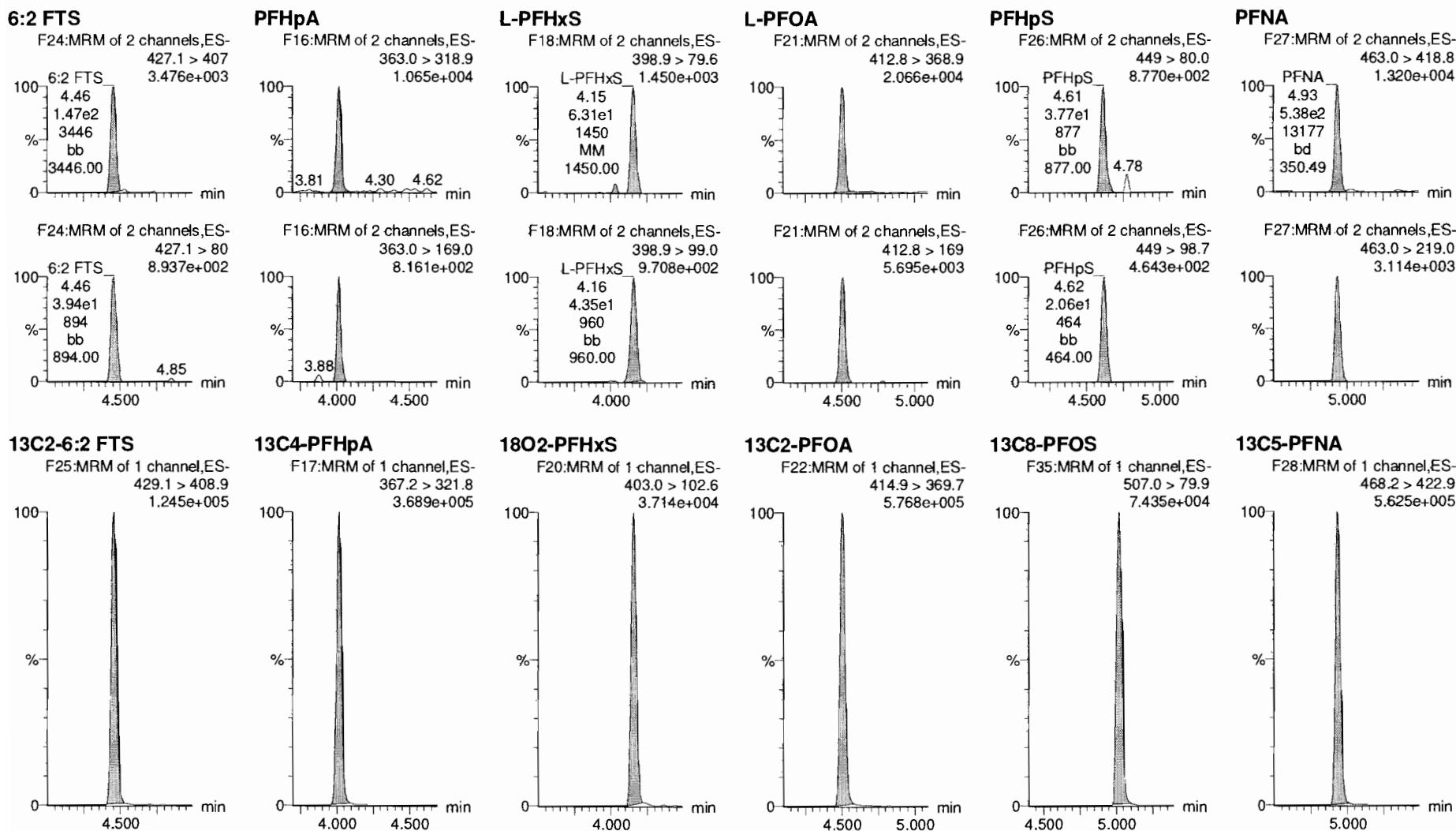


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_2, Date: 26-Nov-2018, Time: 11:45:59, ID: ST181126M2-1 PFC CS-2 18K1901, Description: PFC CS-2 18K1901



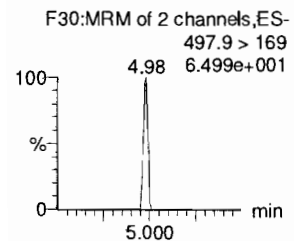
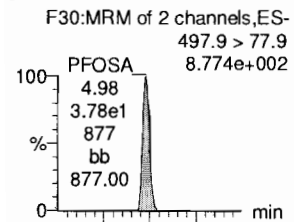
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Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

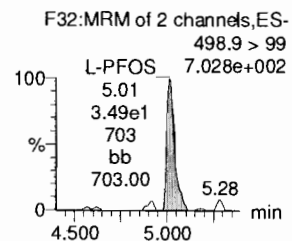
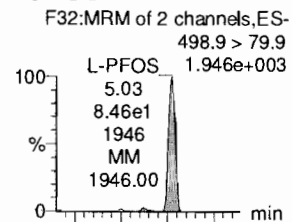
Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_2, Date: 26-Nov-2018, Time: 11:45:59, ID: ST181126M2-1 PFC CS-2 18K1901, Description: PFC CS-2 18K1901

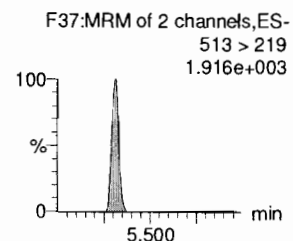
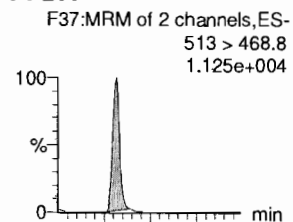
PFOSA



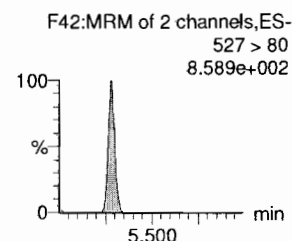
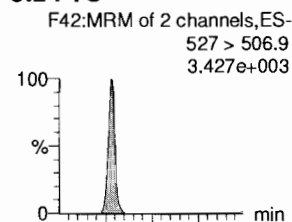
L-PFOS



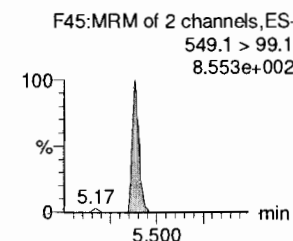
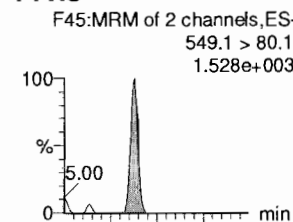
PFDA



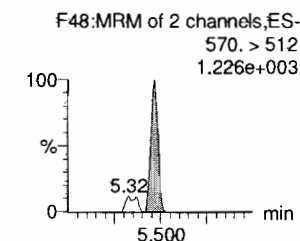
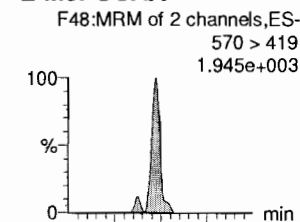
8:2 FTS



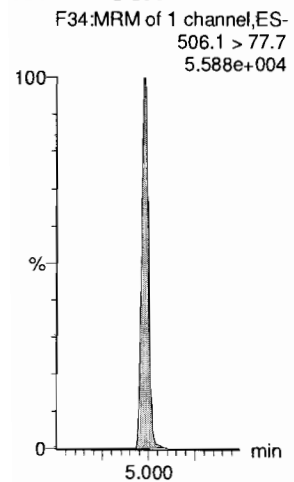
PFNS



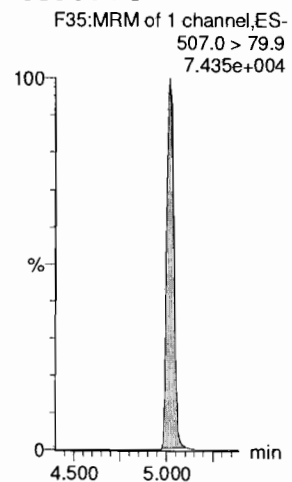
L-MeFOSAA



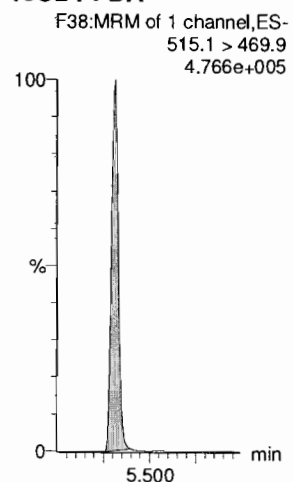
13C8-PFOSA



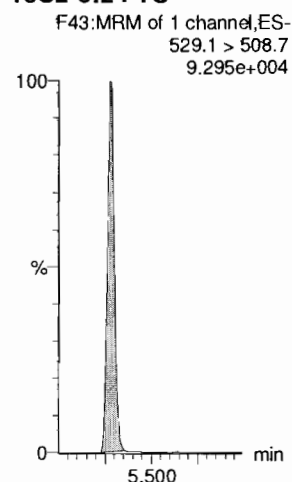
13C8-PFOS



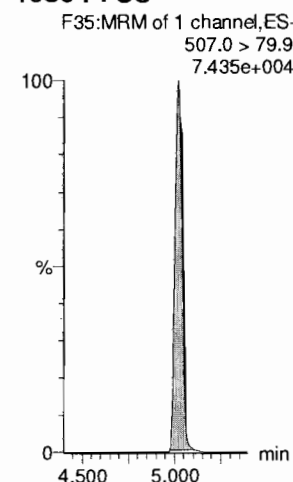
13C2-PFDA



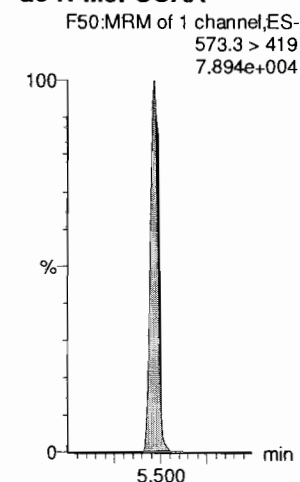
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



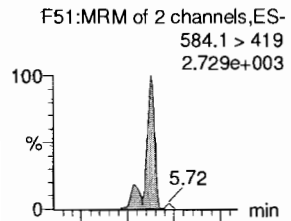
Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

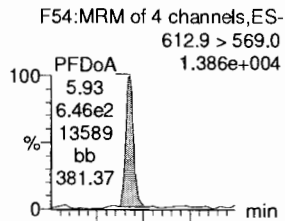
Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_2, Date: 26-Nov-2018, Time: 11:45:59, ID: ST181126M2-1 PFC CS-2 18K1901, Description: PFC CS-2 18K1901

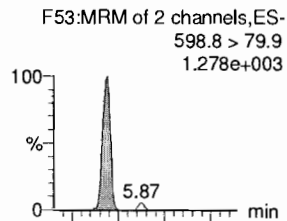
L-EtFOSAA



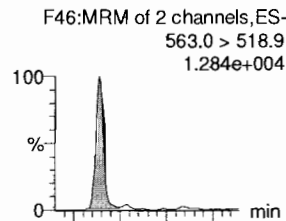
PFDoA



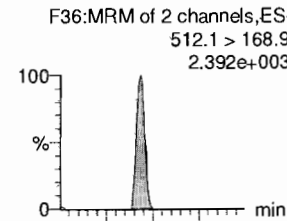
PFDS



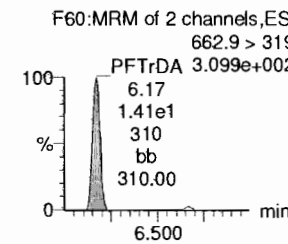
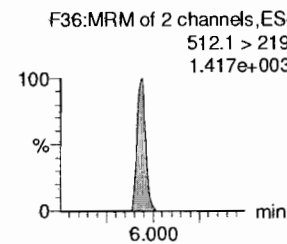
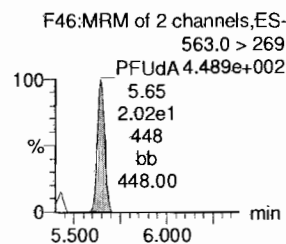
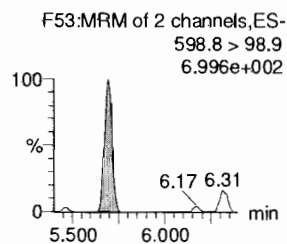
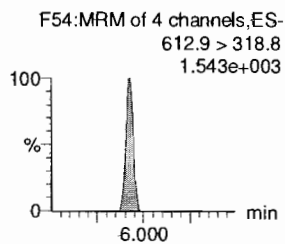
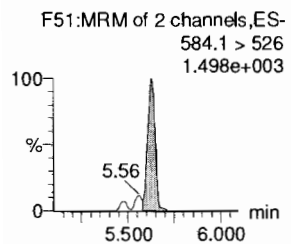
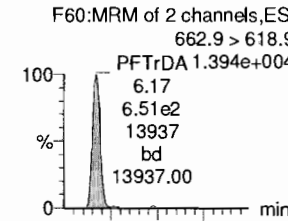
PFUdA



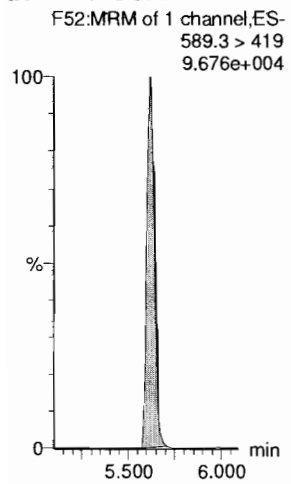
N-MeFOSA



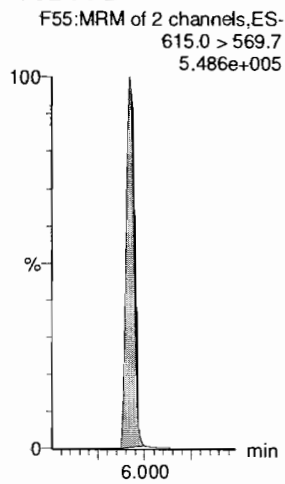
PFTrDA



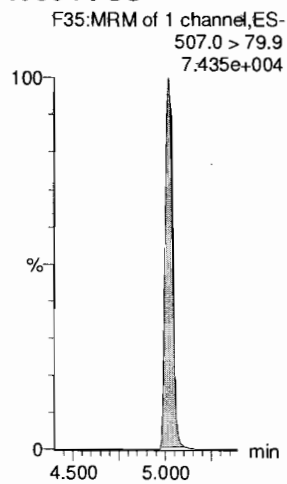
d5-N-EtFOSAA



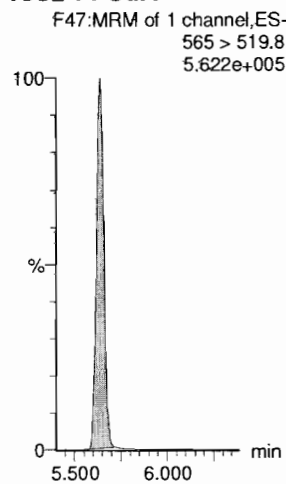
13C2-PFDoA



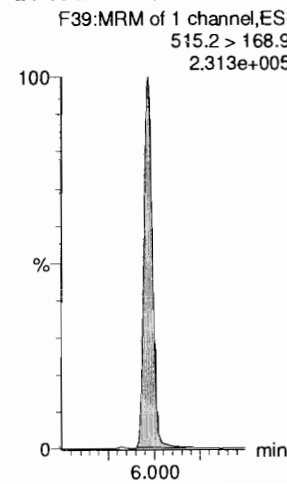
13C8-PFOS



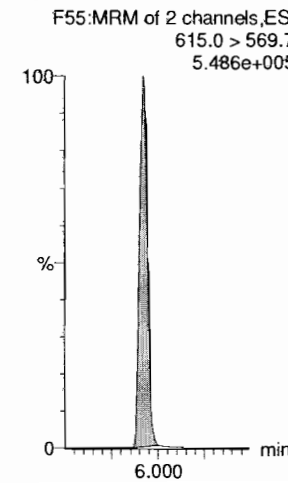
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

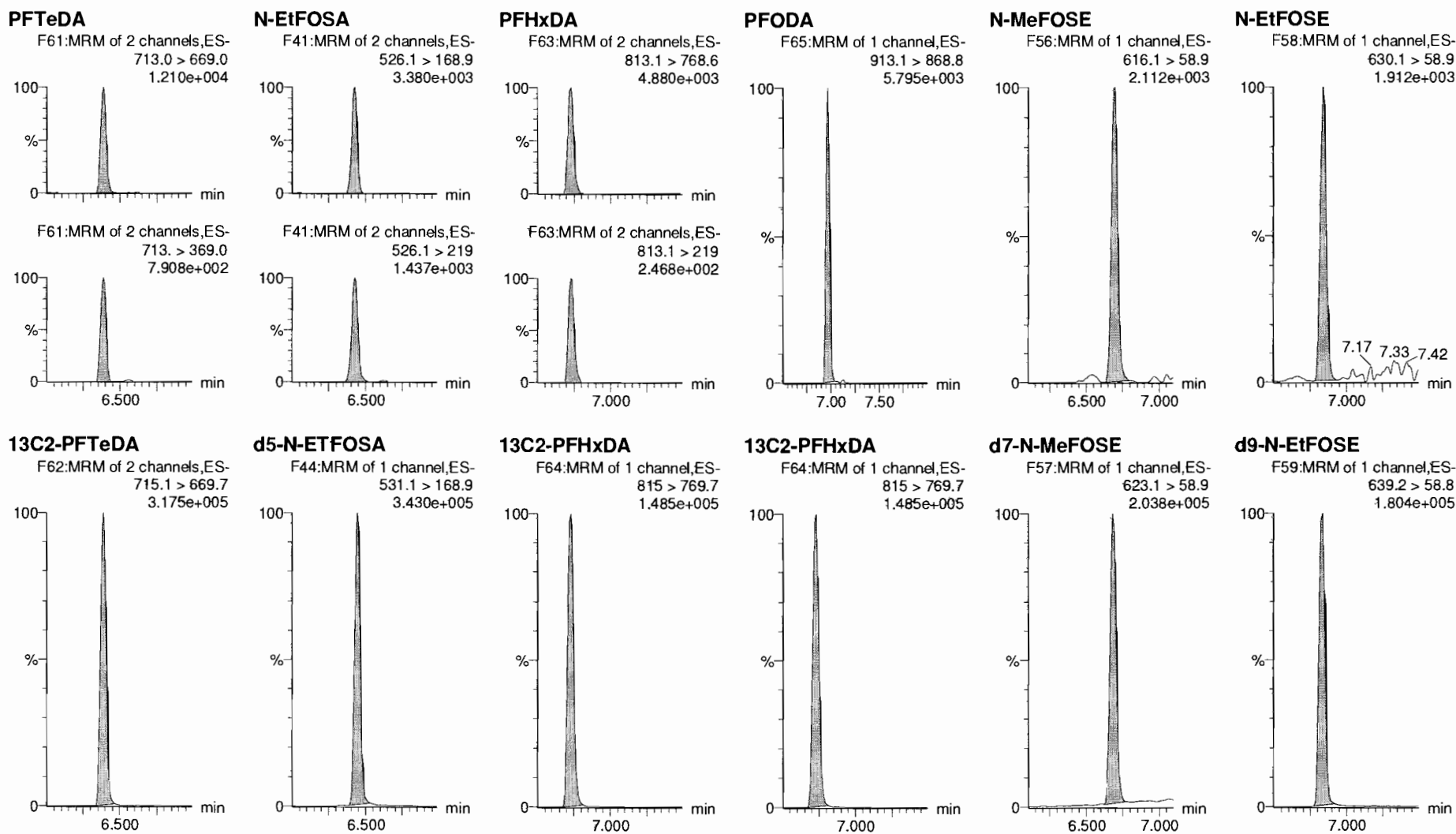


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

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Name: 181126M1_2, Date: 26-Nov-2018, Time: 11:45:59, ID: ST181126M2-1 PFC CS-2 18K1901, Description: PFC CS-2 18K1901



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

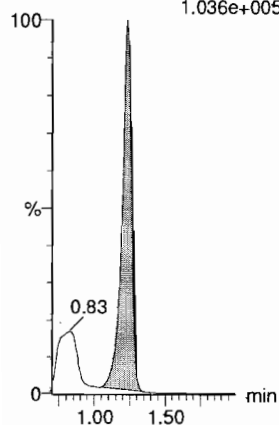
Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_2, Date: 26-Nov-2018, Time: 11:45:59, ID: ST181126M2-1 PFC CS-2 18K1901, Description: PFC CS-2 18K1901

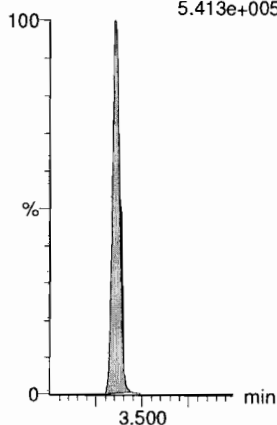
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.036e+005



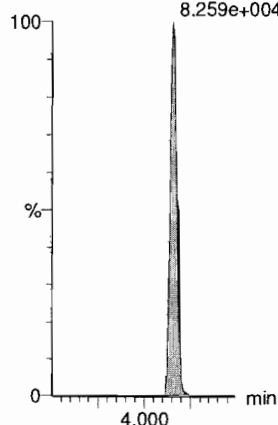
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.413e+005



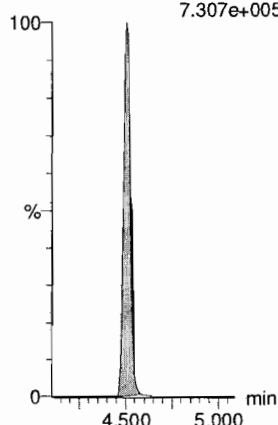
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
8.259e+004



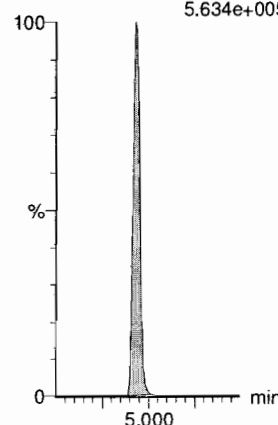
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
7.307e+005



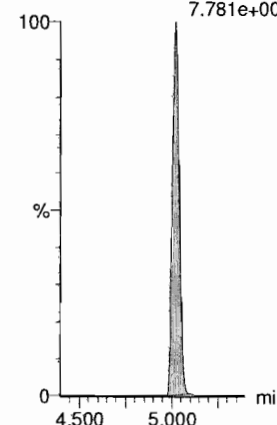
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.634e+005



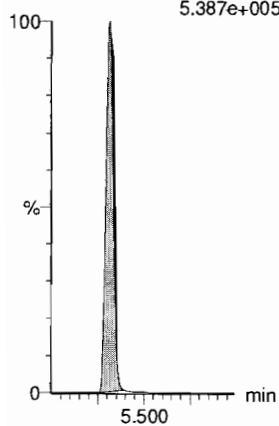
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.781e+004



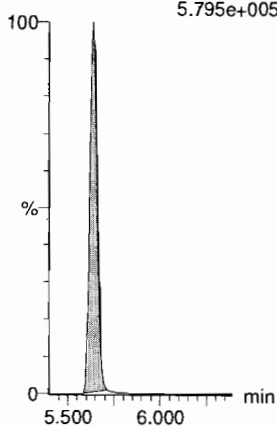
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.387e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.795e+005



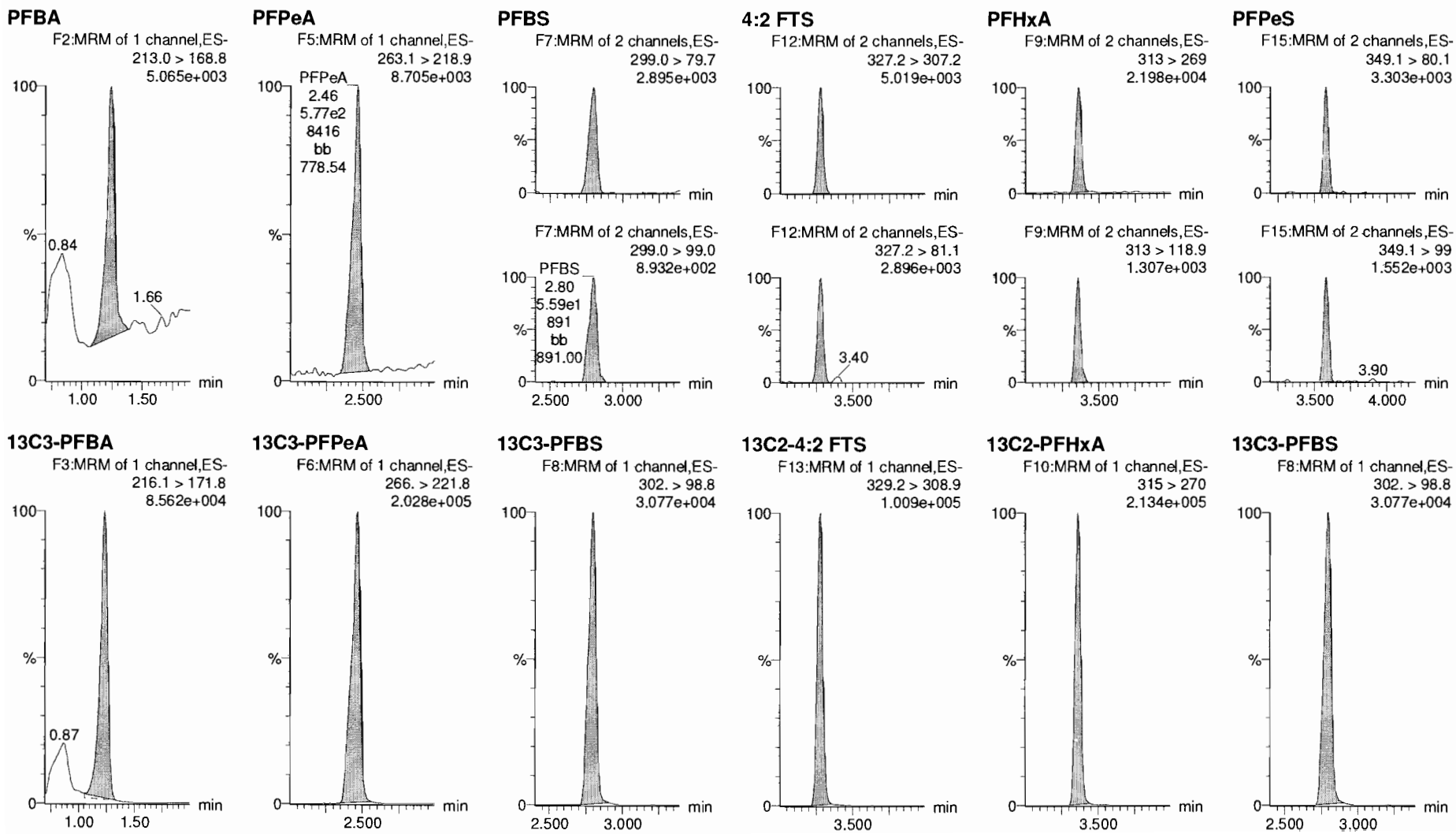
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Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

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1 AD 11/27/18

Name: 181126M1_3, Date: 26-Nov-2018, Time: 11:56:32, ID: ST181126M1-2 PFC CS-1 18K1902, Description: PFC CS-1 18K1902

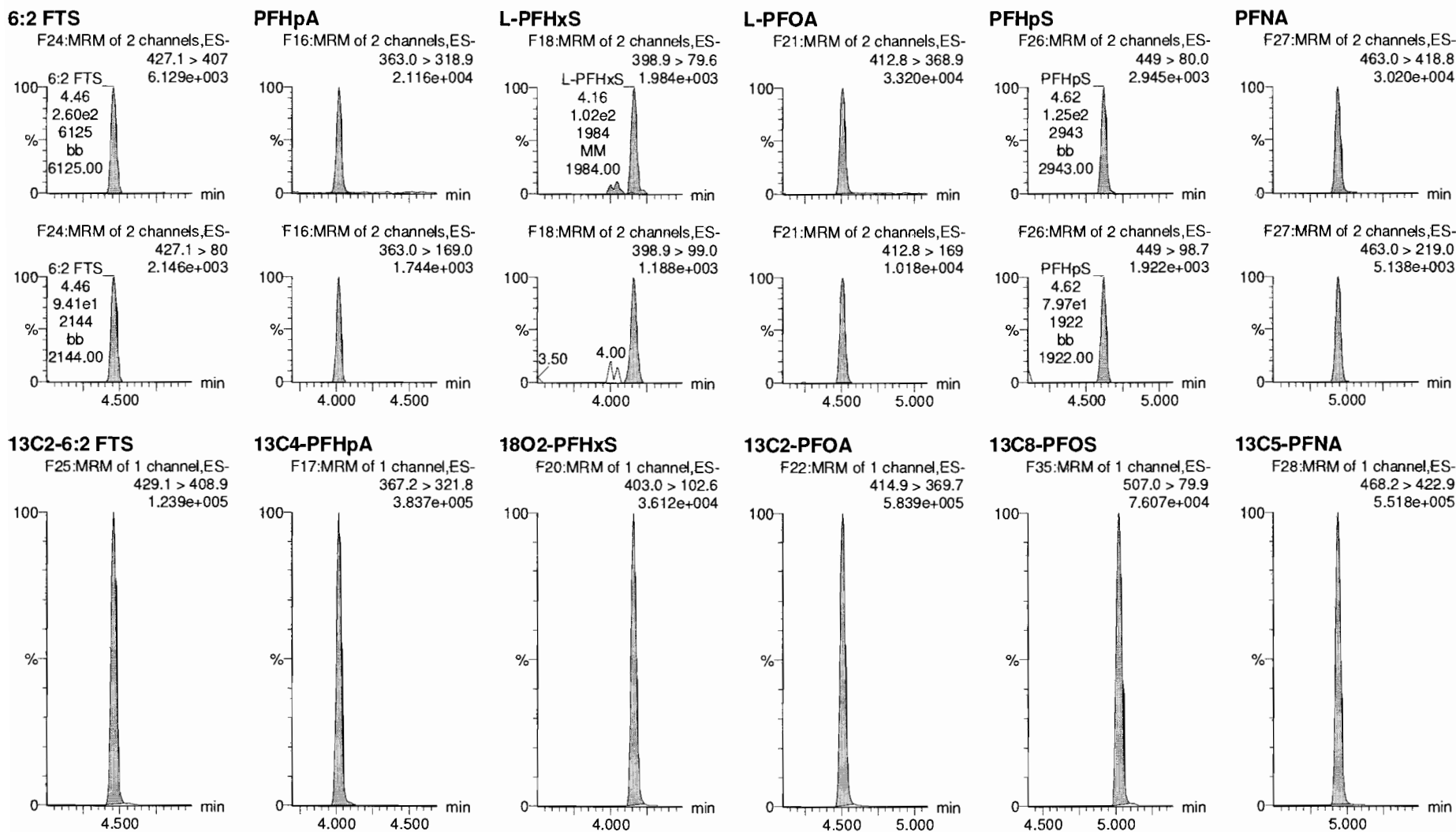


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Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

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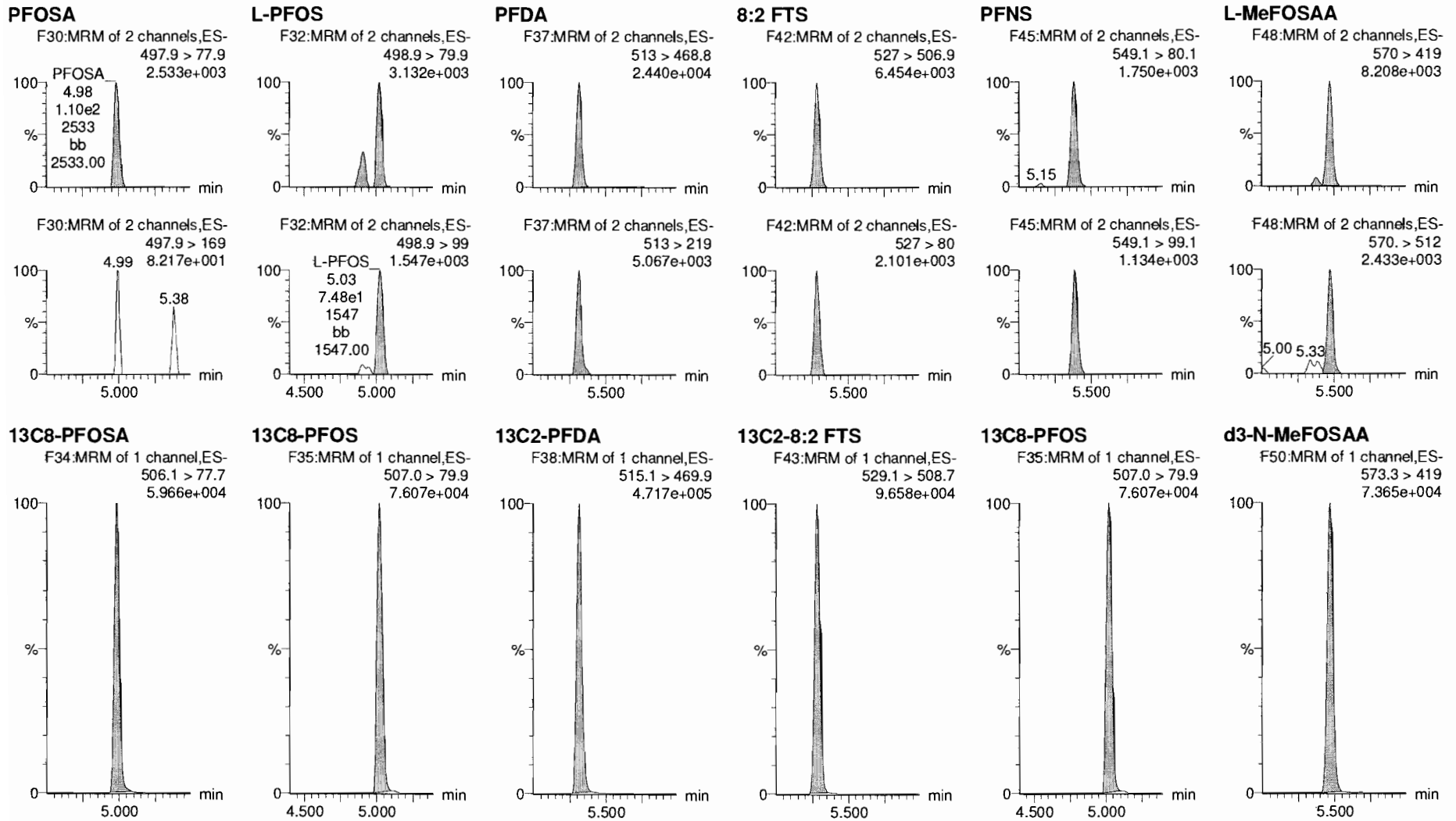
Name: 181126M1_3, Date: 26-Nov-2018, Time: 11:56:32, ID: ST181126M2-2 PFC CS-1 18K1902, Description: PFC CS-1 18K1902



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time
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Name: 181126M1_3, Date: 26-Nov-2018, Time: 11:56:32, ID: ST181126M2-2 PFC CS-1 18K1902, Description: PFC CS-1 18K1902



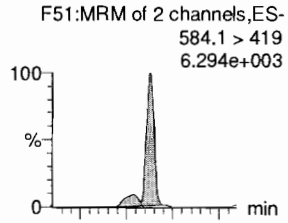
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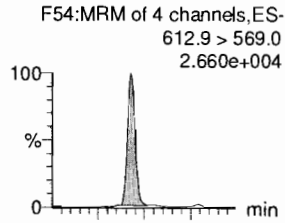
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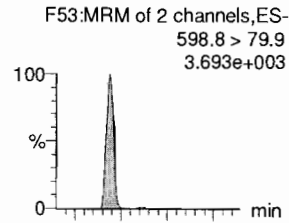
L-EtFOSAA



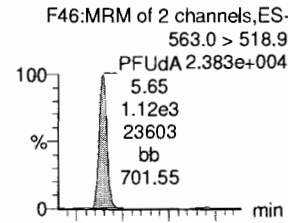
PFDoA



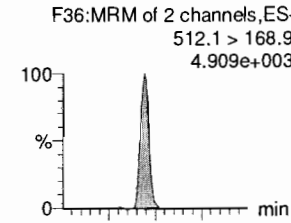
PFDS



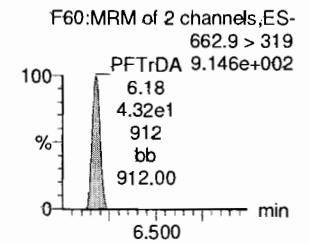
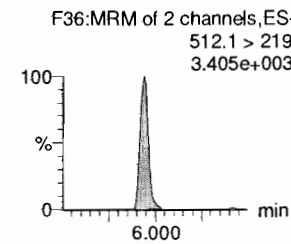
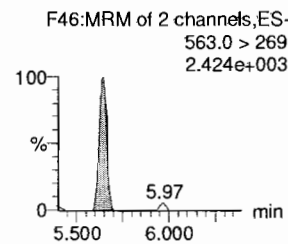
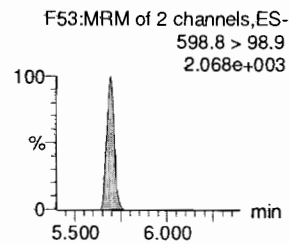
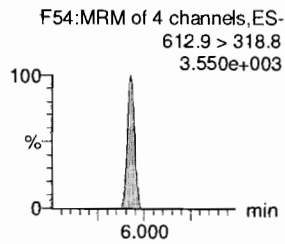
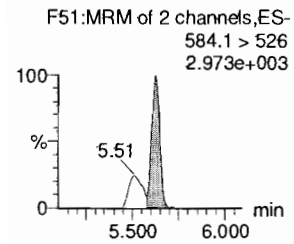
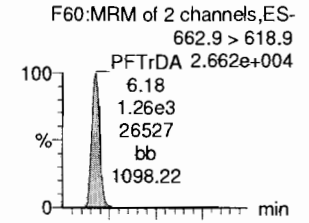
PFUdA



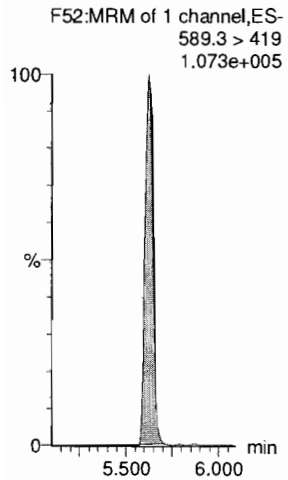
N-MeFOSA



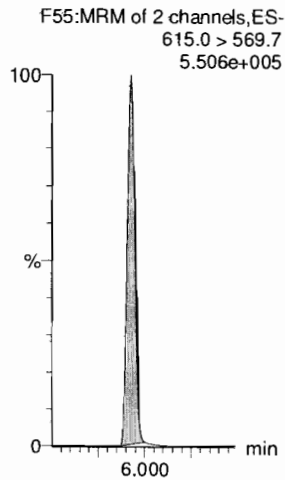
PFTrDA



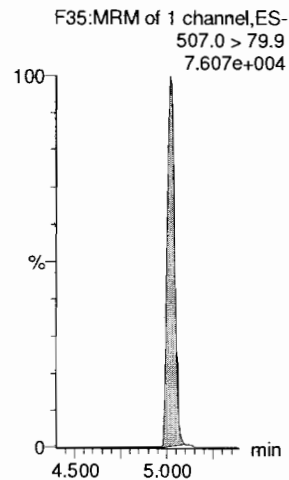
d3-N-EtFOSAA



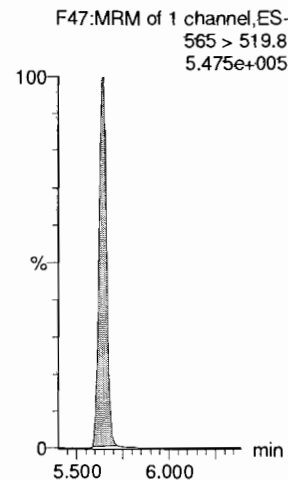
13C2-PFDoA



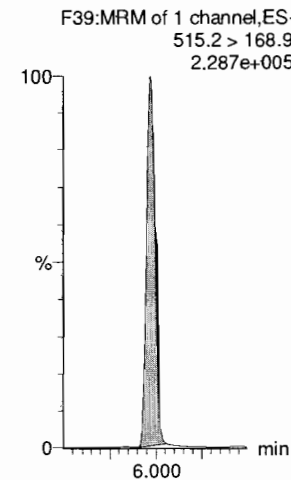
13C8-PFOS



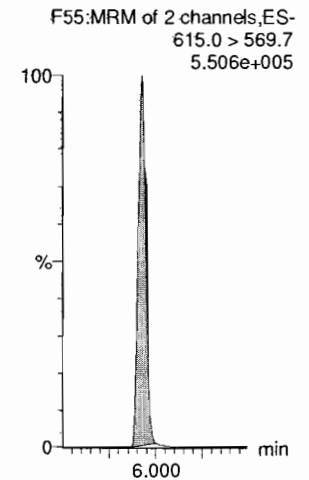
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

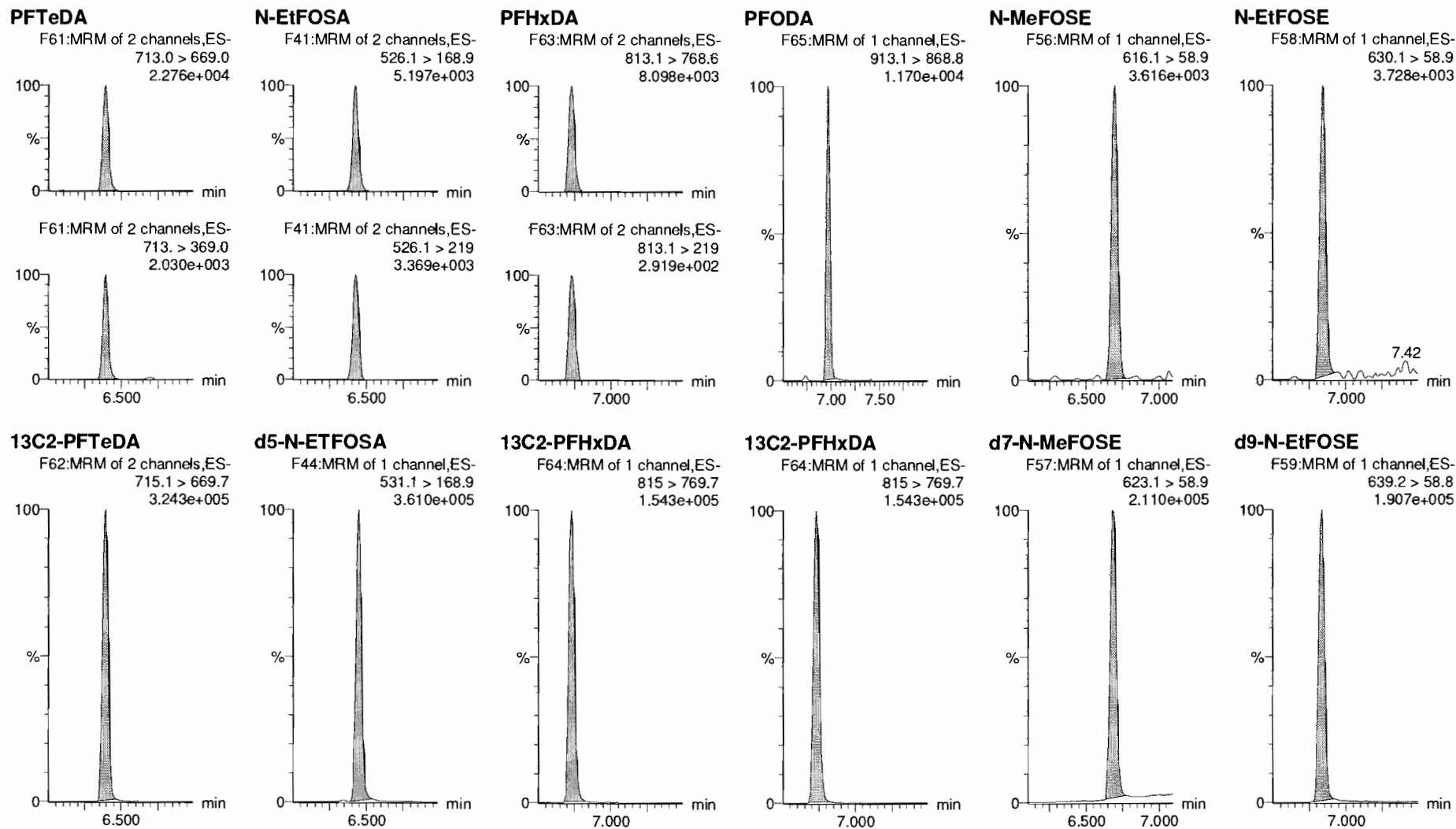


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Name: 181126M1_3, Date: 26-Nov-2018, Time: 11:56:32, ID: ST181126M2-2 PFC CS-1 18K1902, Description: PFC CS-1 18K1902



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

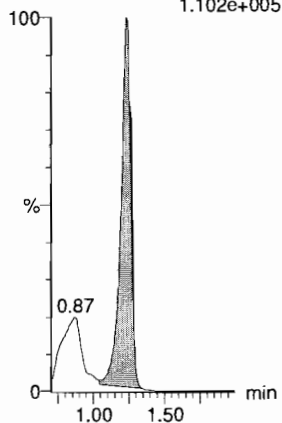
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Name: 181126M1_3, Date: 26-Nov-2018, Time: 11:56:32, ID: ST181126M2-2 PFC CS-1 18K1902, Description: PFC CS-1 18K1902

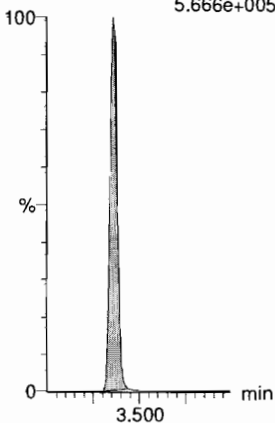
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.102e+005



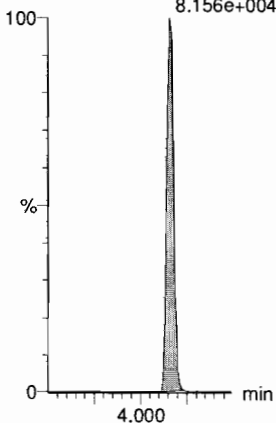
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.666e+005



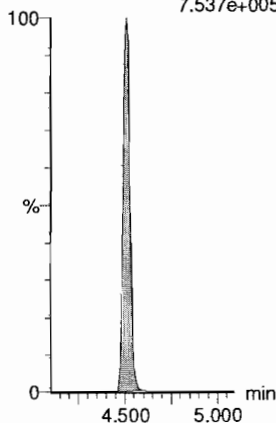
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
8.156e+004



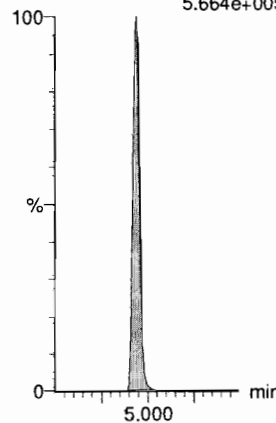
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
7.537e+005



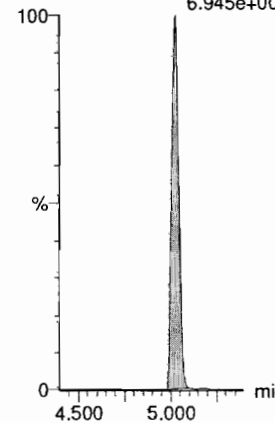
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.664e+005



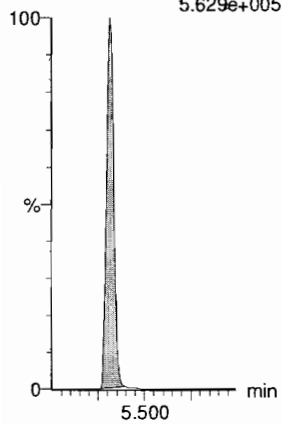
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
6.945e+004



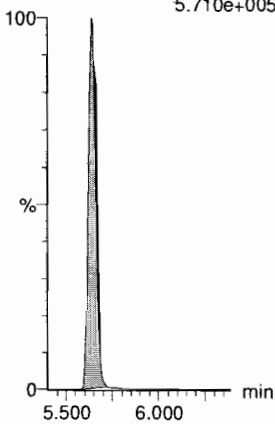
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.629e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.710e+005



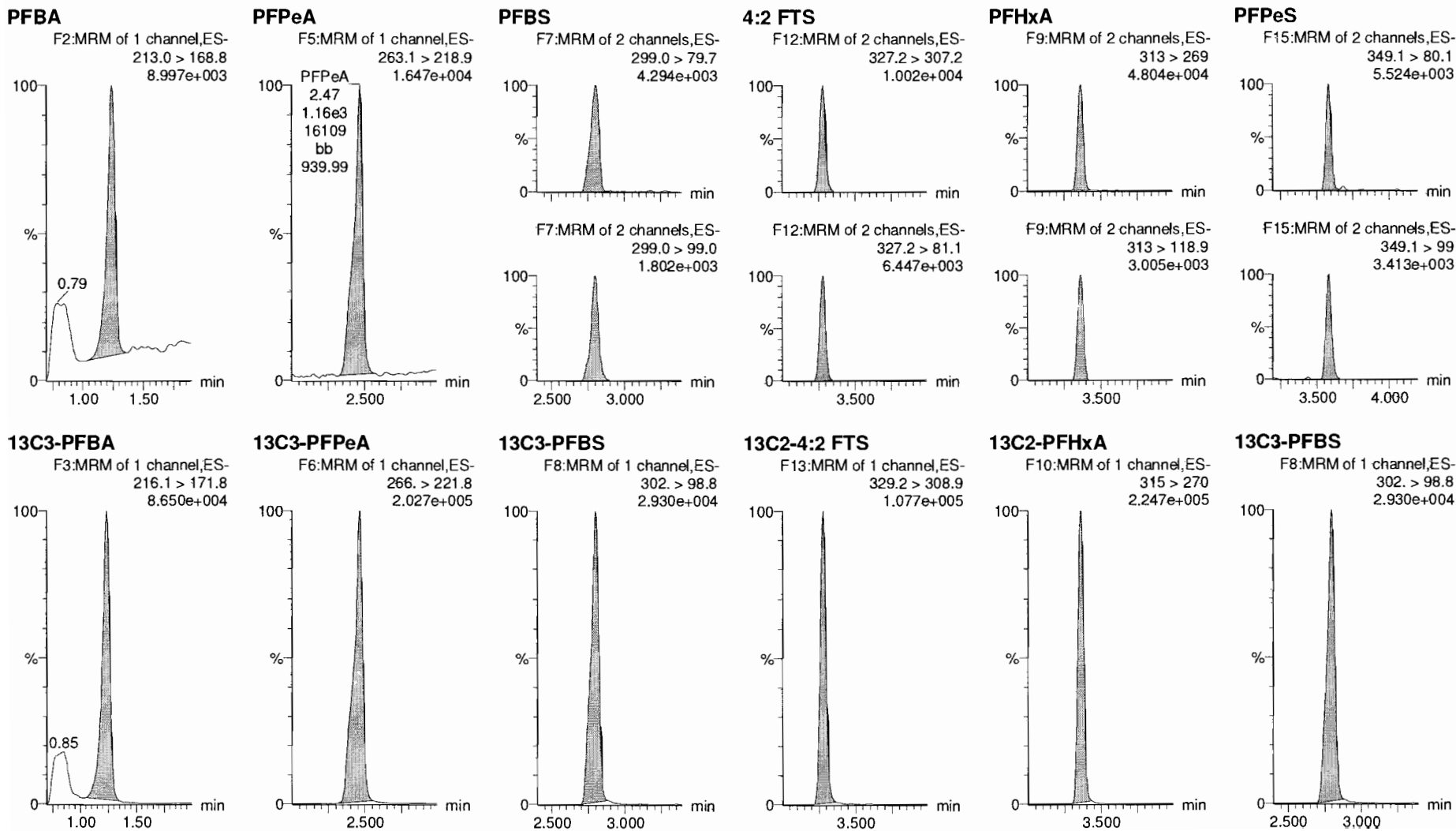
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1 AD 11/27/18

Name: 181126M1_4, Date: 26-Nov-2018, Time: 12:07:10, ID: ST181126M1-3 PFC CS0 18K1903, Description: PFC CS0 18K1903

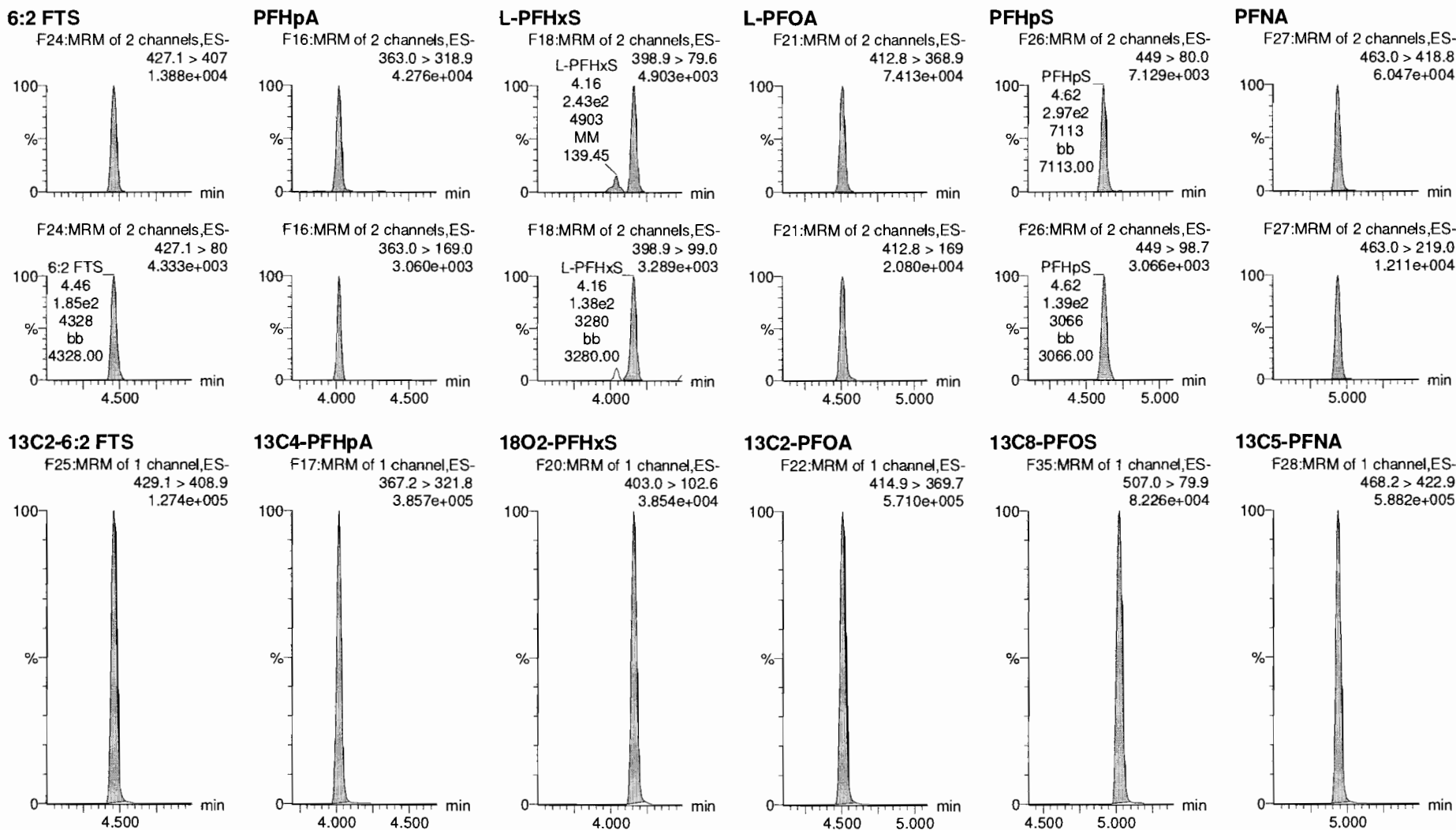


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Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_4, Date: 26-Nov-2018, Time: 12:07:10, ID: ST181126M2-3 PFC CS0 18K1903, Description: PFC CS0 18K1903

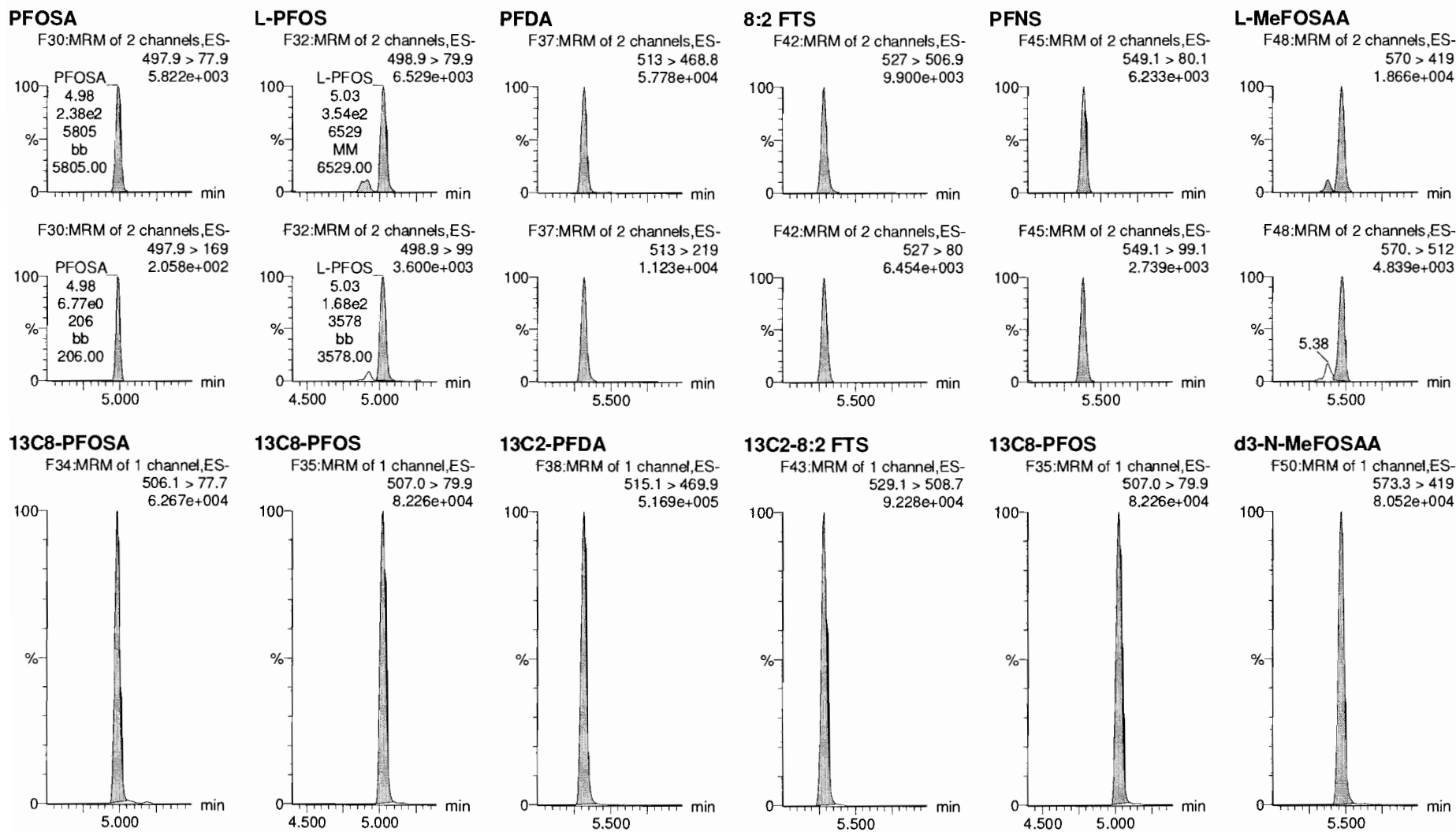


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Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_4, Date: 26-Nov-2018, Time: 12:07:10, ID: ST181126M2-3 PFC CS0 18K1903, Description: PFC CS0 18K1903

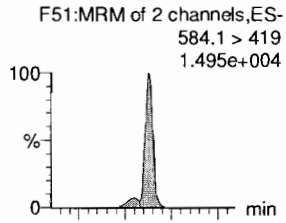


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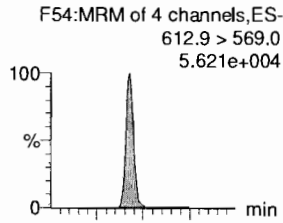
Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time
Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_4, Date: 26-Nov-2018, Time: 12:07:10, ID: ST181126M2-3 PFC CS0 18K1903, Description: PFC CS0 18K1903

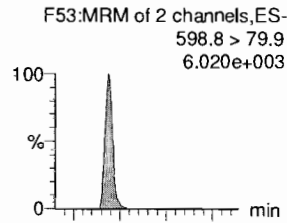
L-EtFOSAA



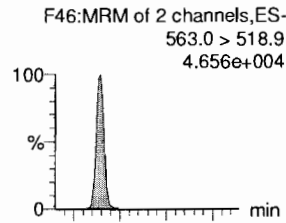
PFDoA



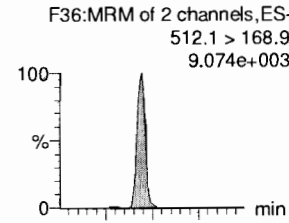
PFDS



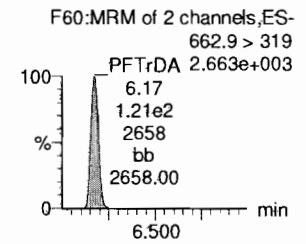
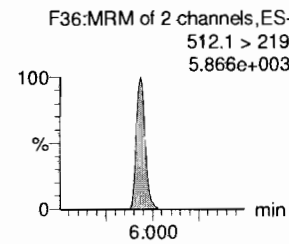
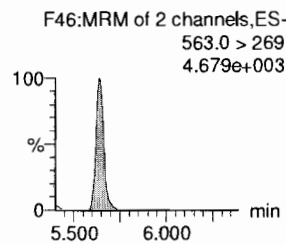
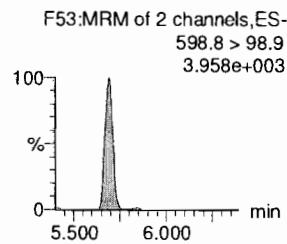
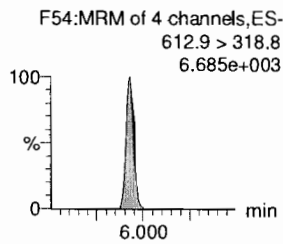
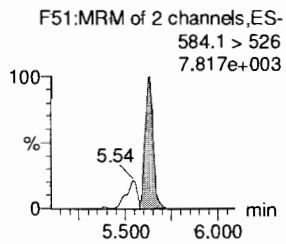
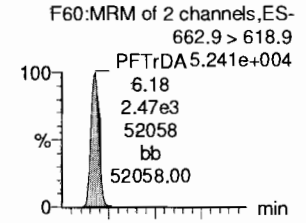
PFUdA



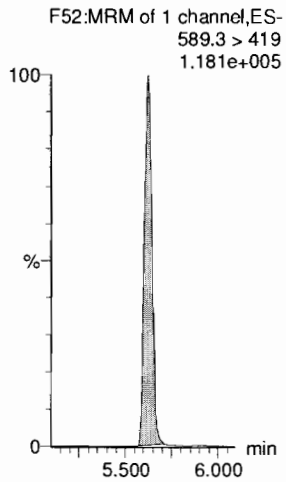
N-MeFOSA



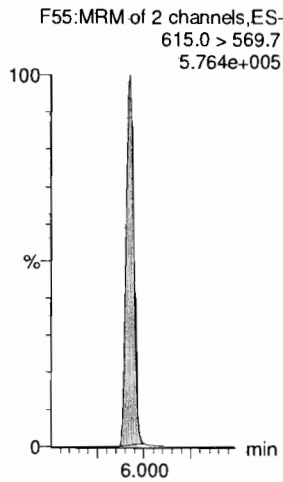
PFTrDA



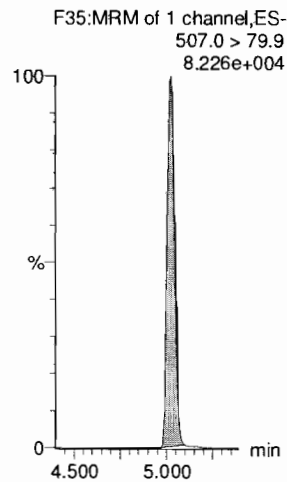
d5-N-EtFOSAA



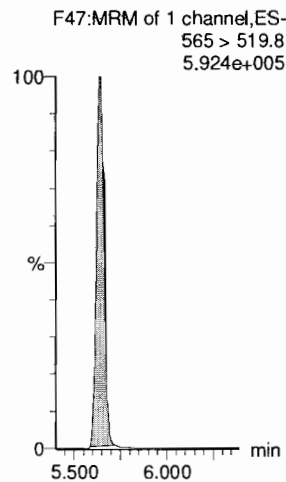
13C2-PFDoA



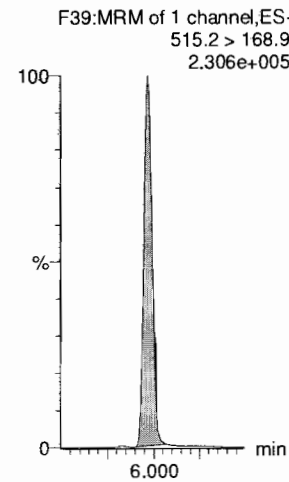
13C8-PFOS



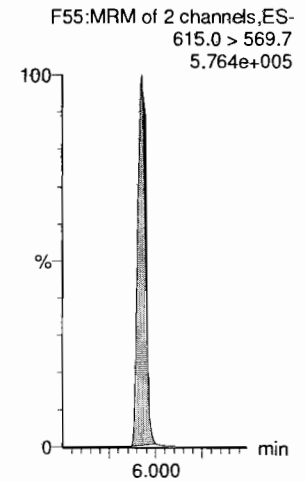
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

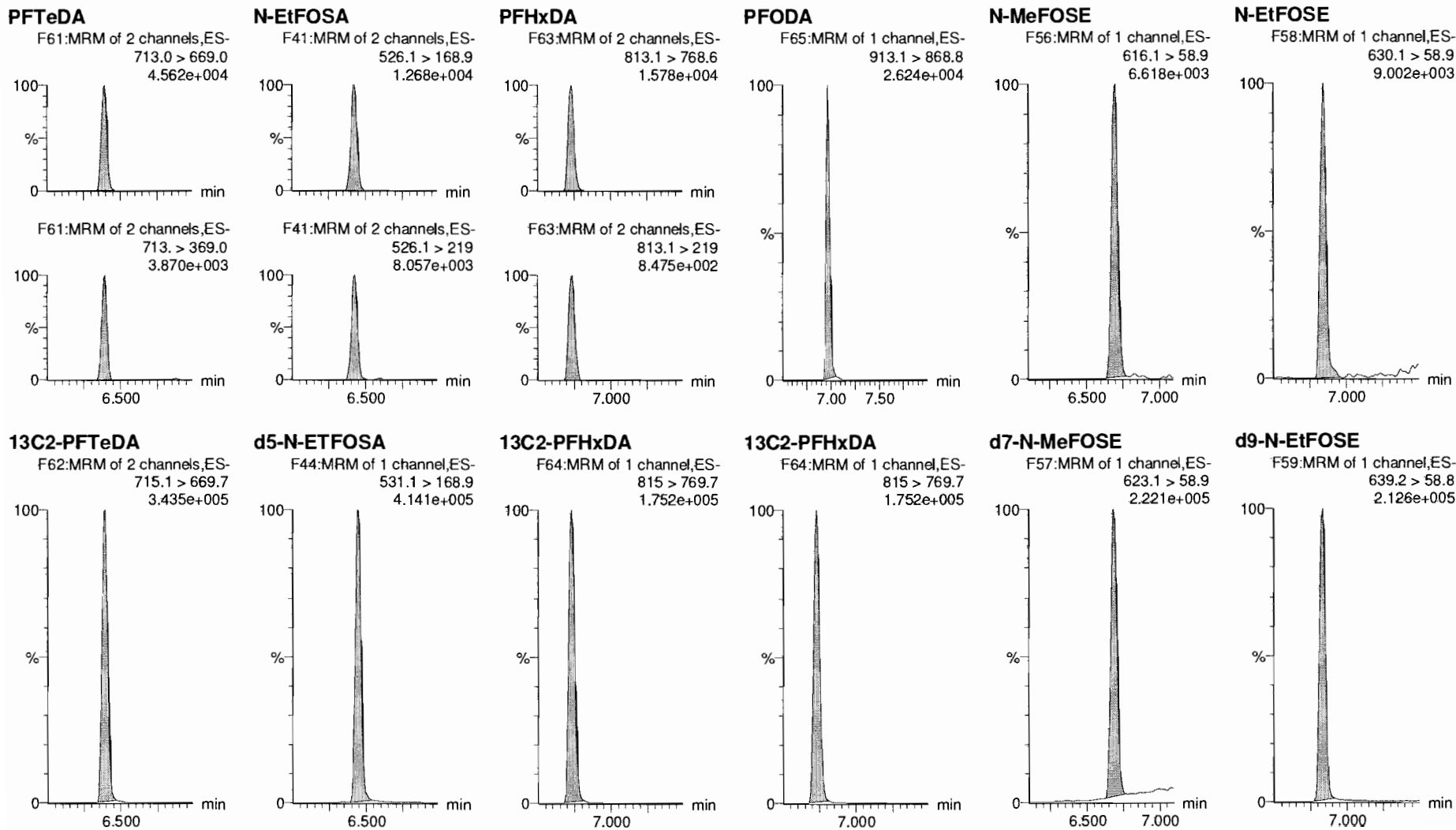


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Name: 181126M1_4, Date: 26-Nov-2018, Time: 12:07:10, ID: ST181126M2-3 PFC CS0 18K1903, Description: PFC CS0 18K1903



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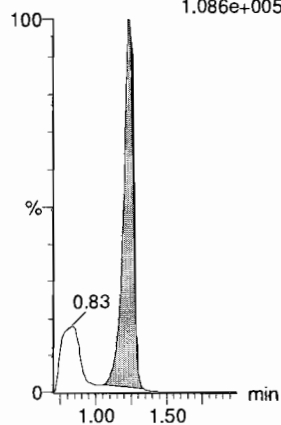
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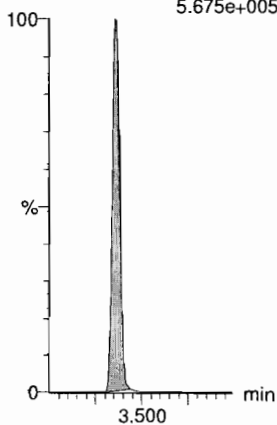
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.086e+005



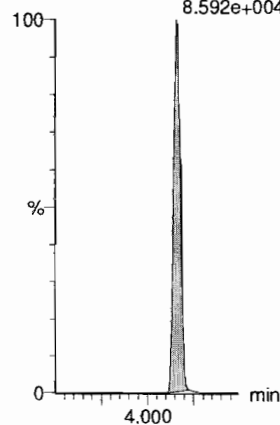
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.675e+005



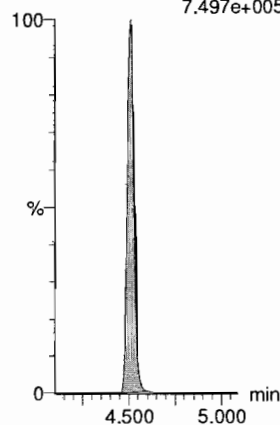
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
8.592e+004



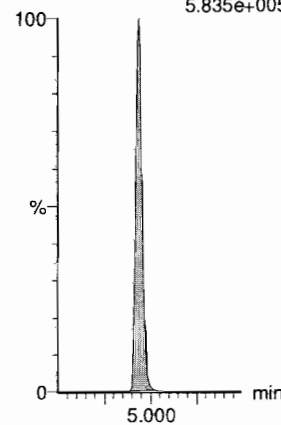
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
7.497e+005



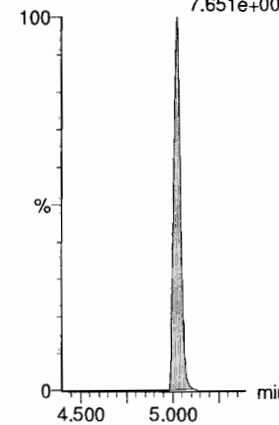
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.835e+005



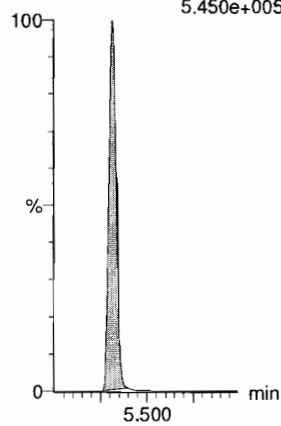
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.651e+004



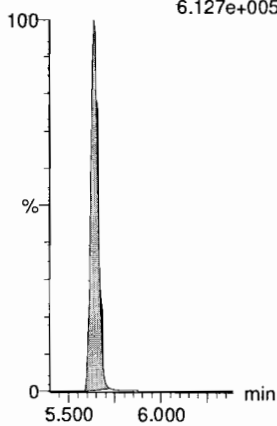
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.450e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.127e+005



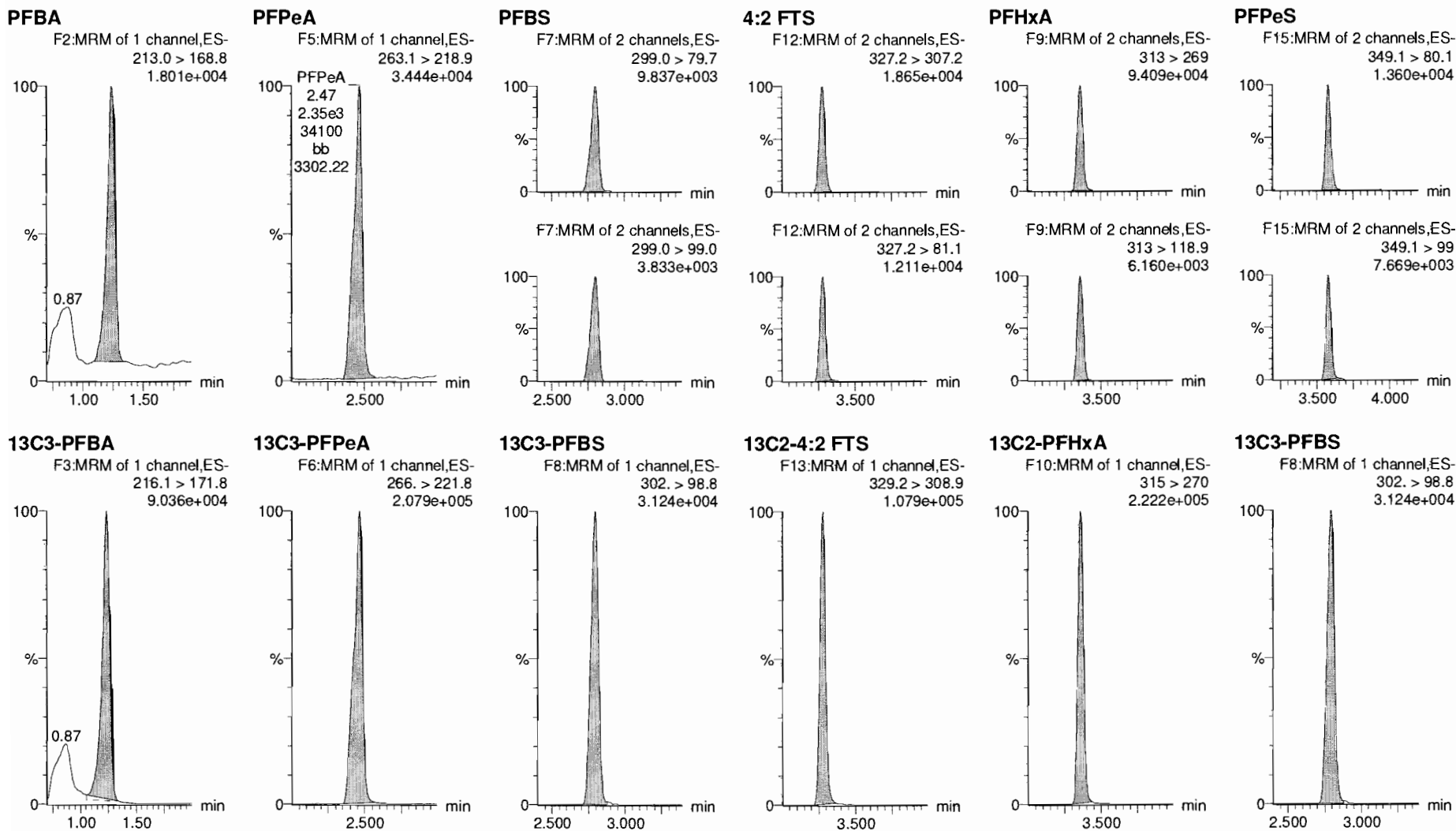
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Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

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Name: 181126M1_5, Date: 26-Nov-2018, Time: 12:17:48, ID: ST181126M2-4 PFC CS1 18K1904, Description: PFC CS1 18K1904

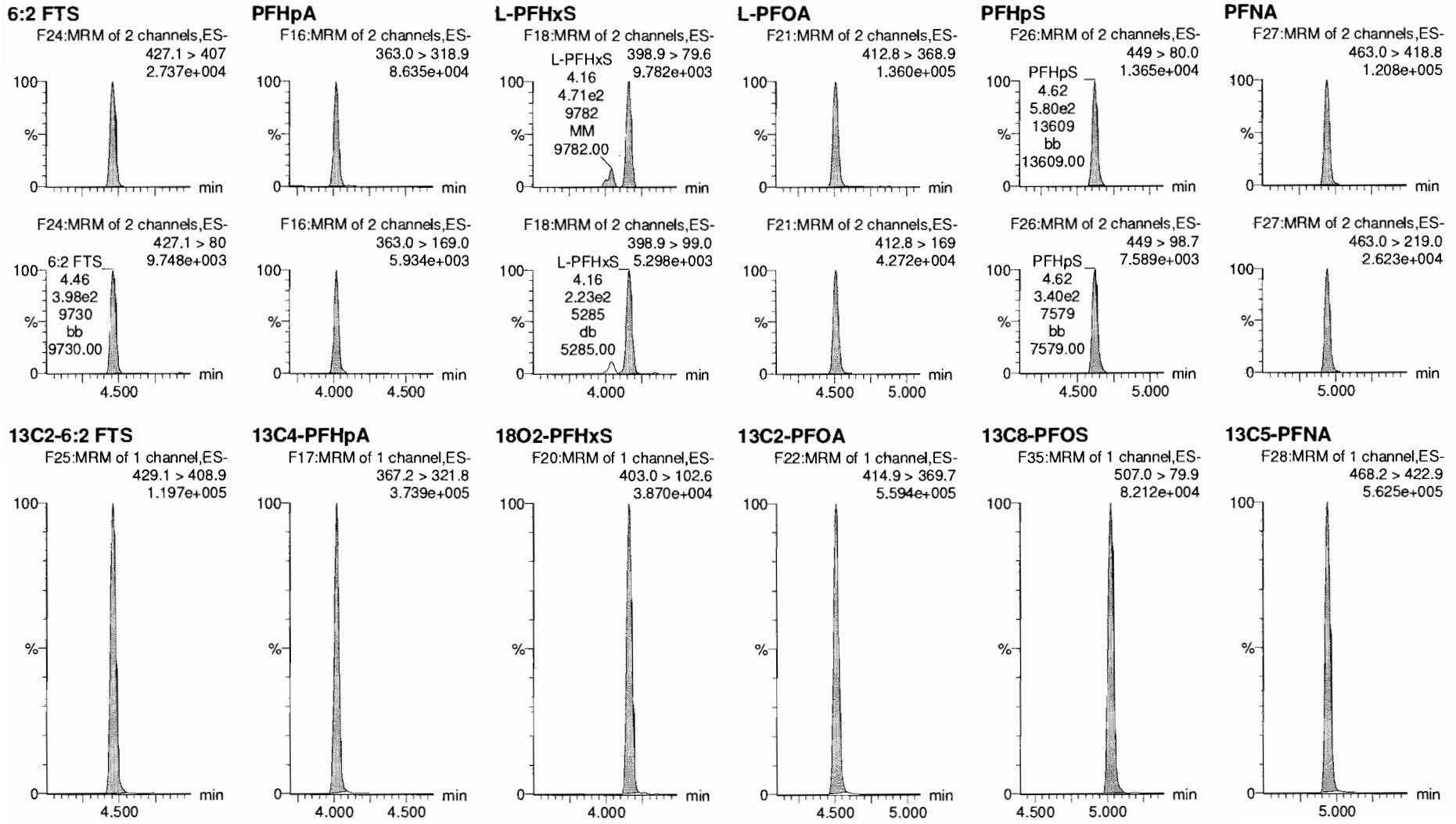


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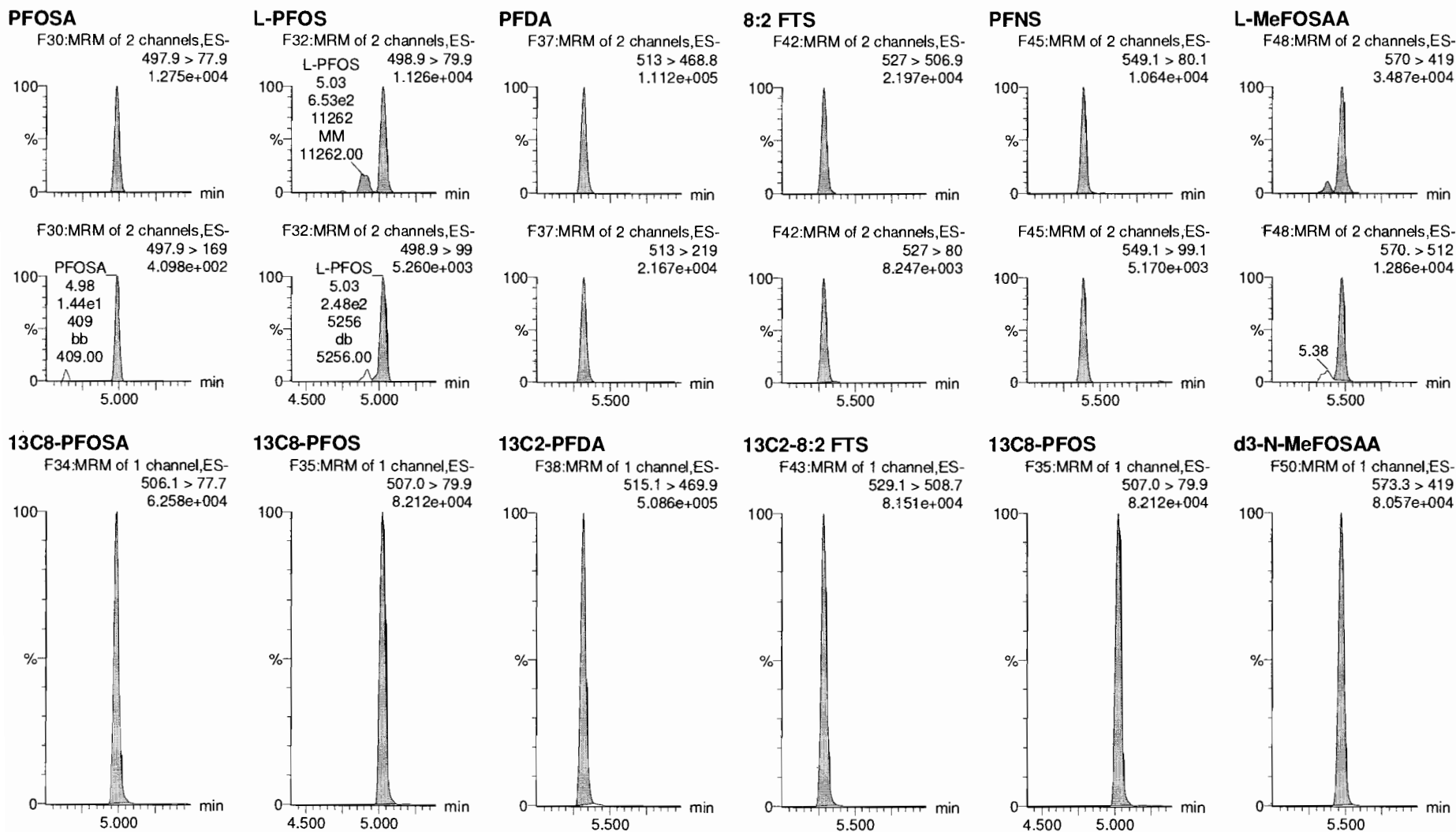


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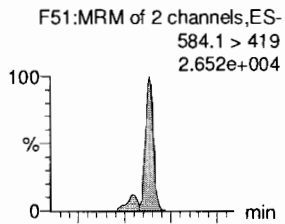
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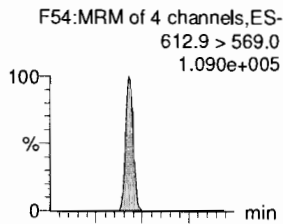
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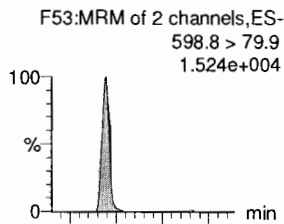
L-EtFOSAA



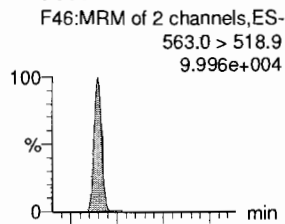
PFDoA



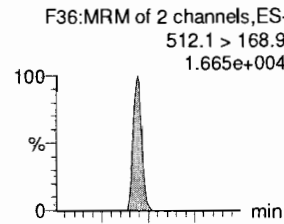
PFDS



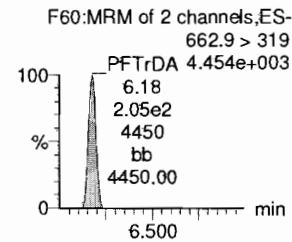
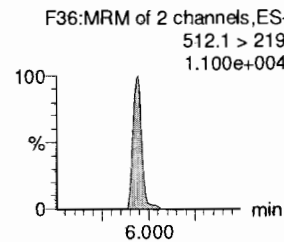
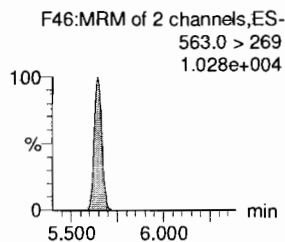
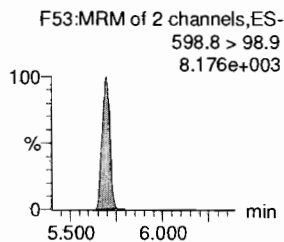
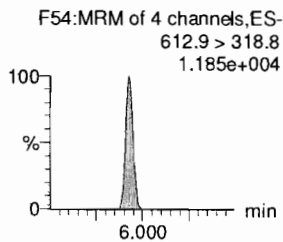
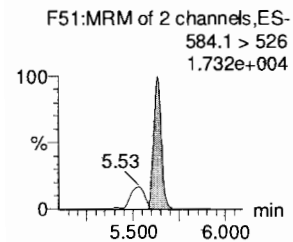
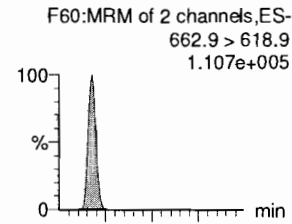
PFUdA



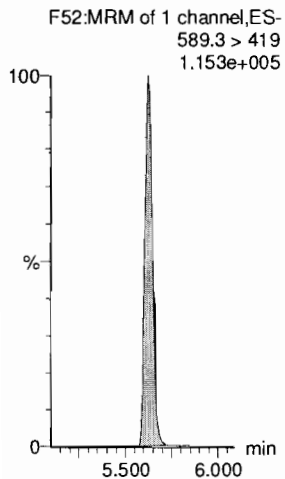
N-MeFOSA



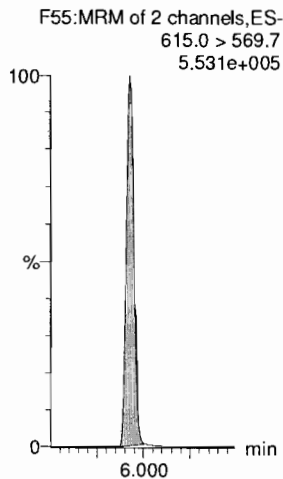
PFTrDA



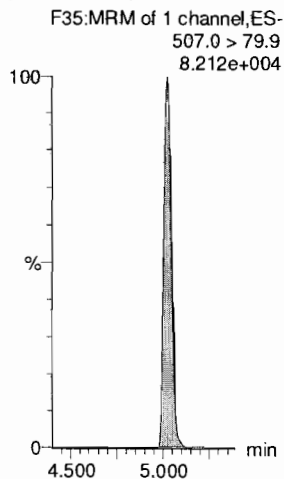
d5-N-EtFOSAA



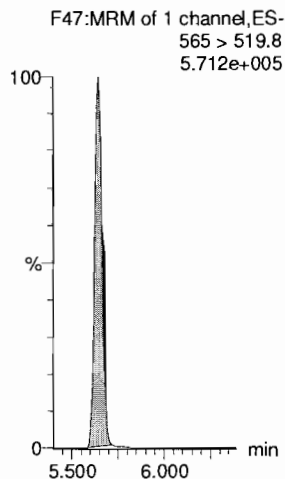
13C2-PFDoA



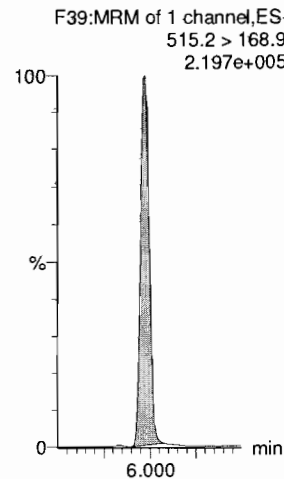
13C8-PFOS



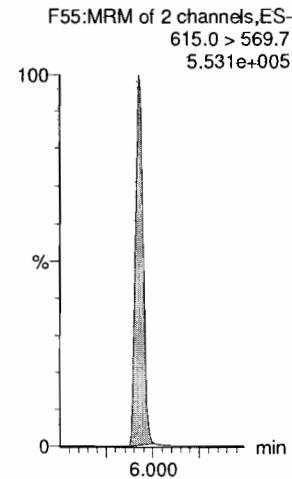
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

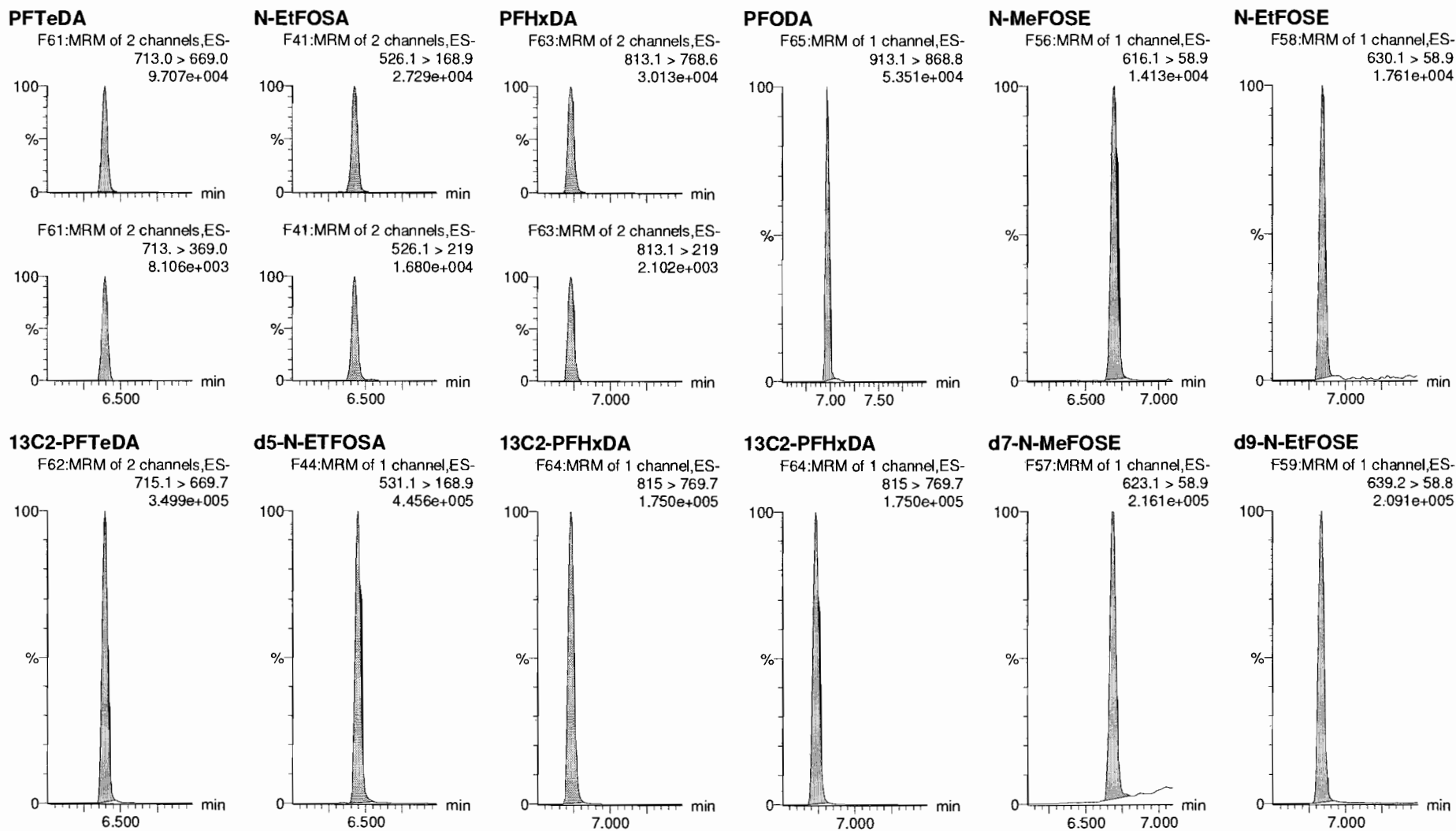


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Name: 181126M1_5, Date: 26-Nov-2018, Time: 12:17:48, ID: ST181126M2-4 PFC CS1 18K1904, Description: PFC CS1 18K1904



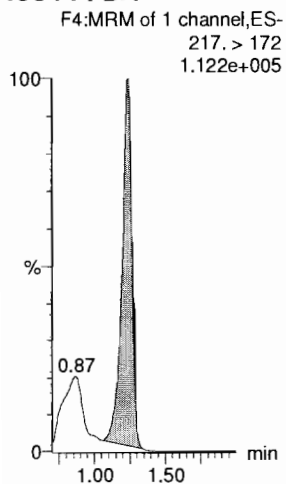
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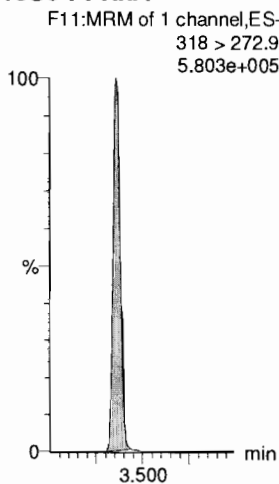
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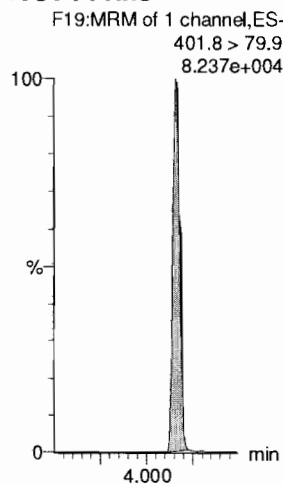
13C4-PFBA



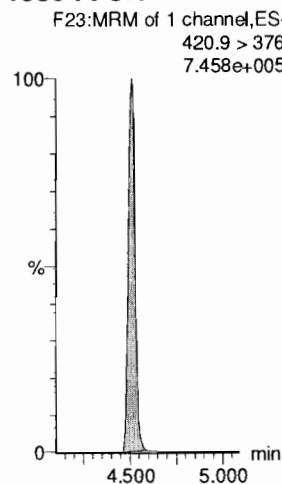
13C5-PFHxA



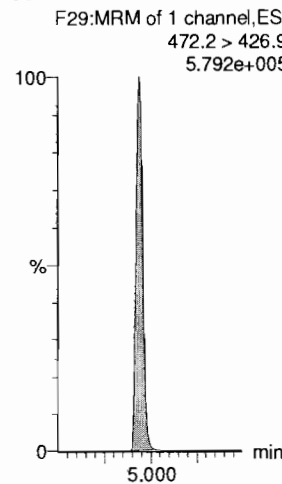
13C3-PFHxS



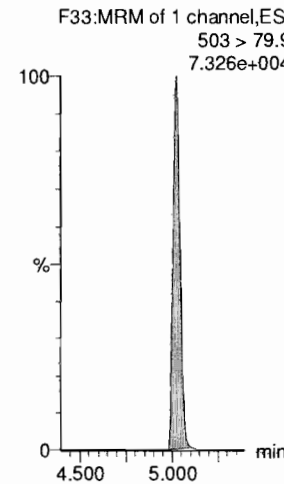
13C8-PFOA



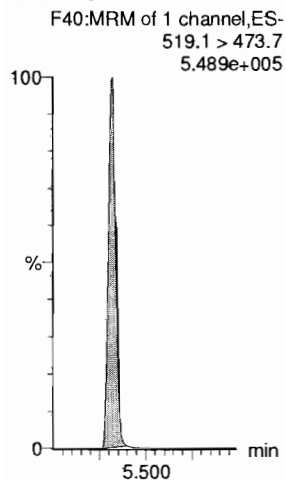
13C9-PFNA



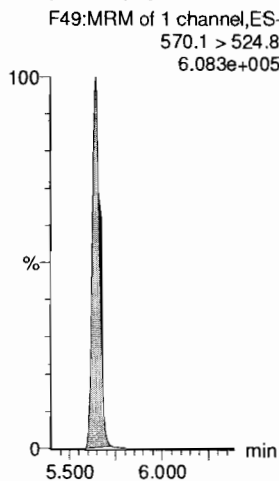
13C4-PFOS



13C6-PFDA



13C7-PFuDA



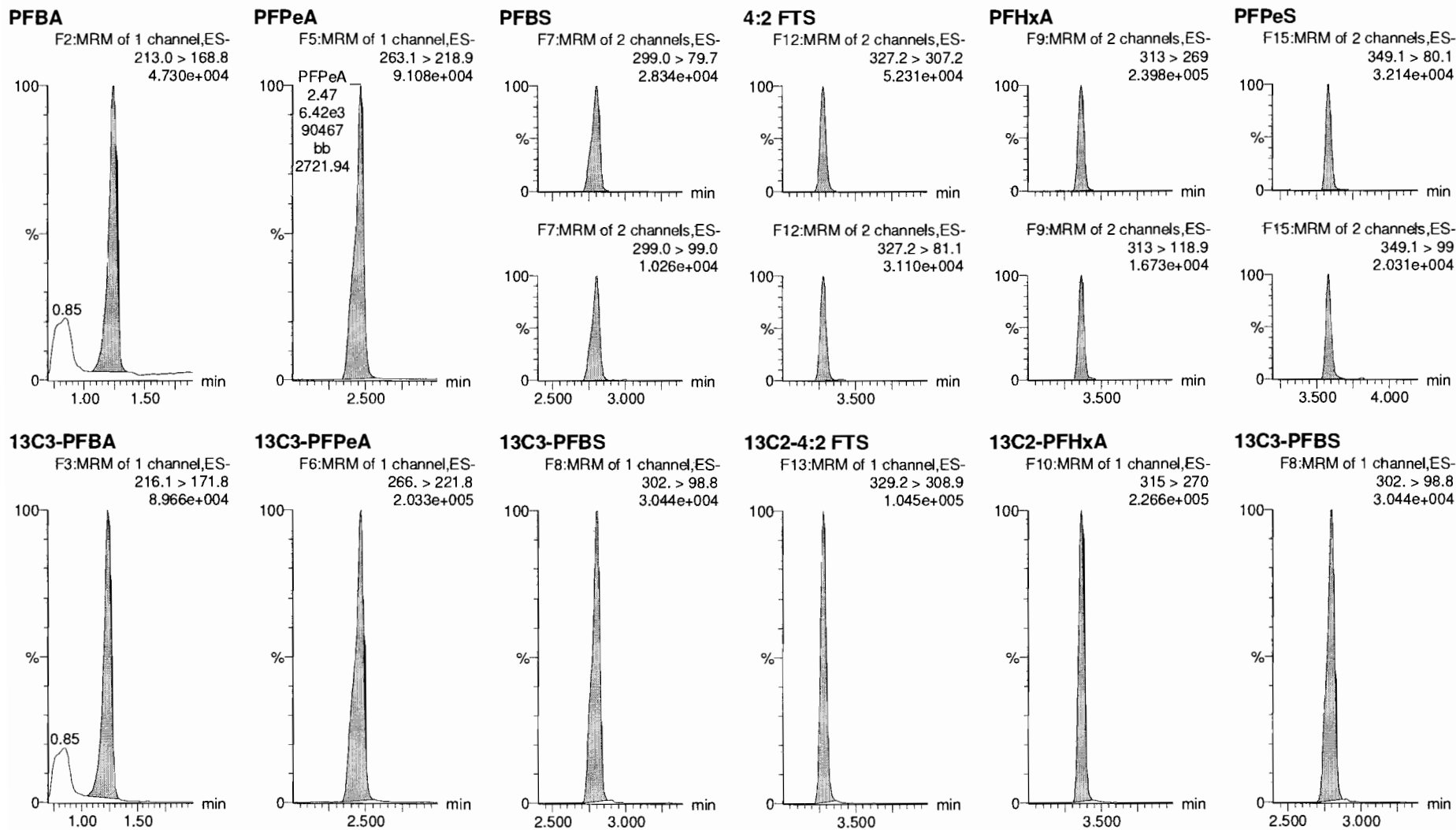
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Name: 181126M1_6, Date: 26-Nov-2018, Time: 12:28:21, ID: ST181126M1-5 PFC CS2 18K1905, Description: PFC CS2 18K1905



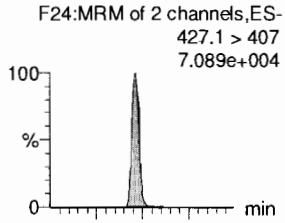
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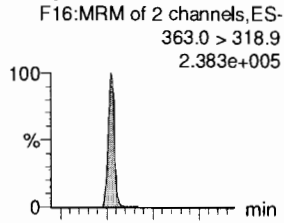
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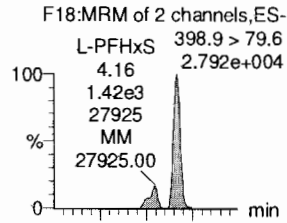
6:2 FTS



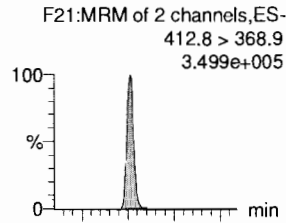
PFHpA



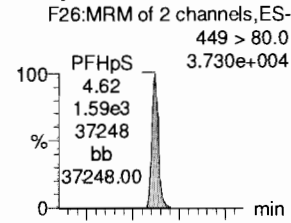
L-PFHxS



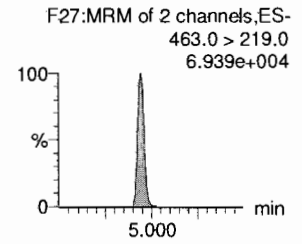
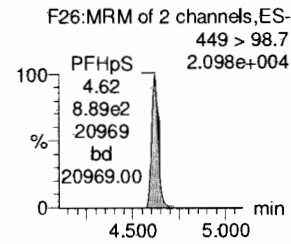
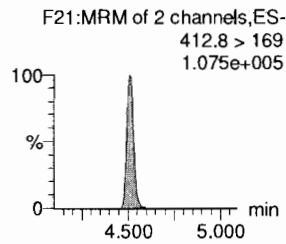
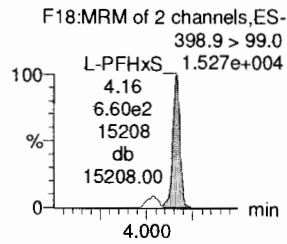
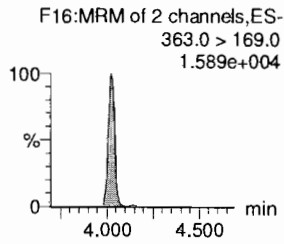
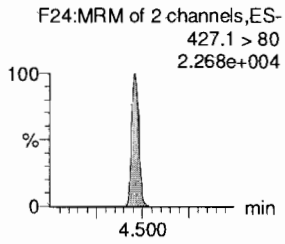
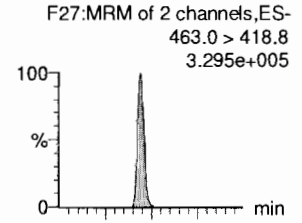
L-PFOA



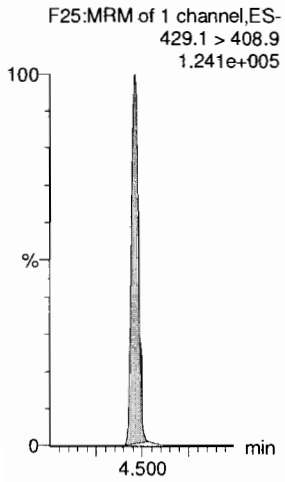
PFHpS



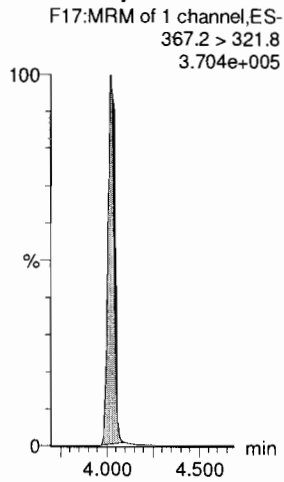
PFNA



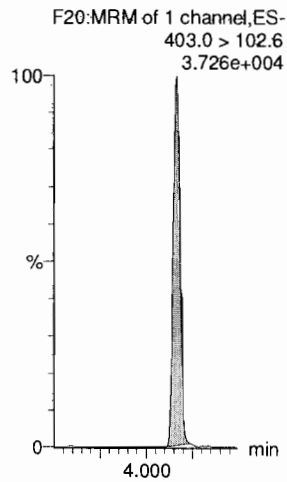
13C2-6:2 FTS



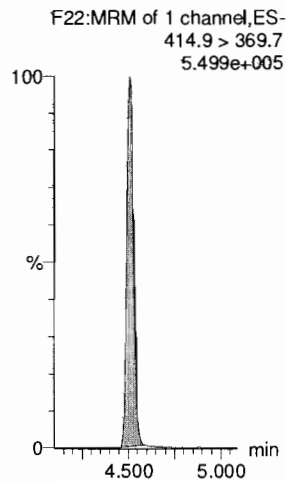
13C4-PFHpA



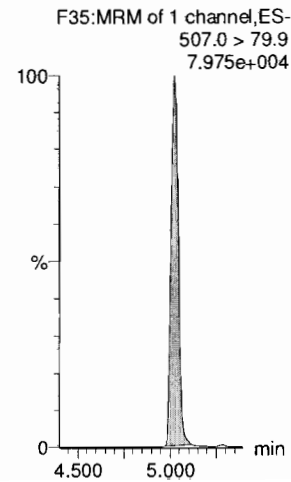
18O2-PFHxS



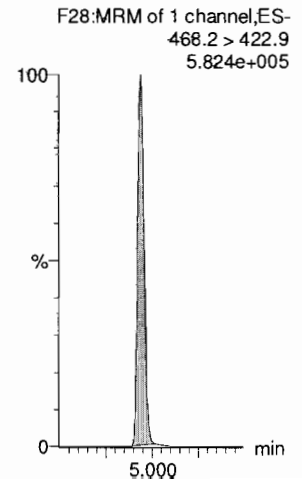
13C2-PFOA



13C8-PFOS



13C5-PFNA

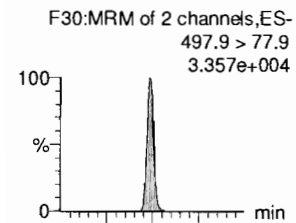


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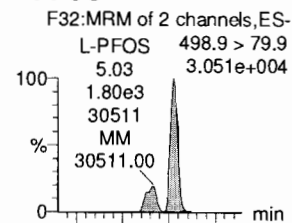
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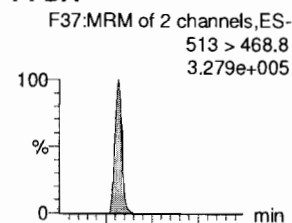
PFOSA



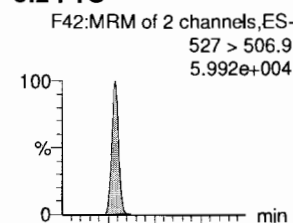
L-PFOS



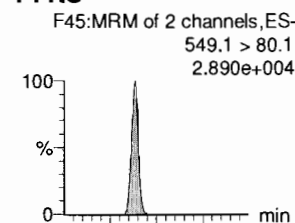
PFDA



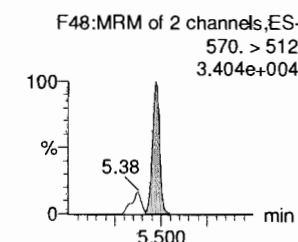
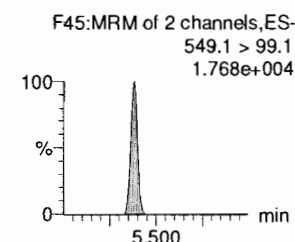
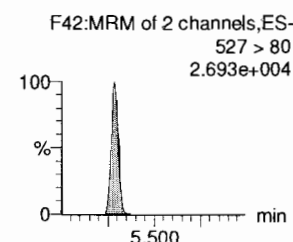
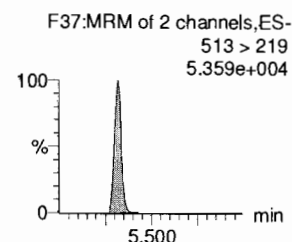
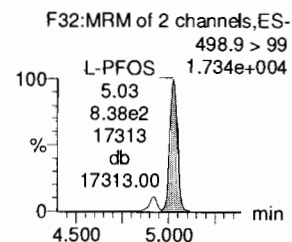
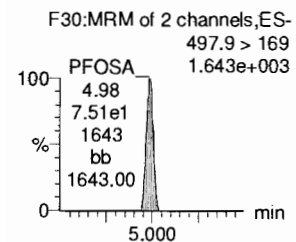
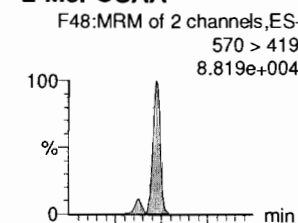
8:2 FTS



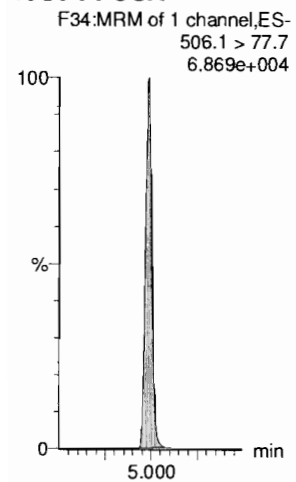
PFNS



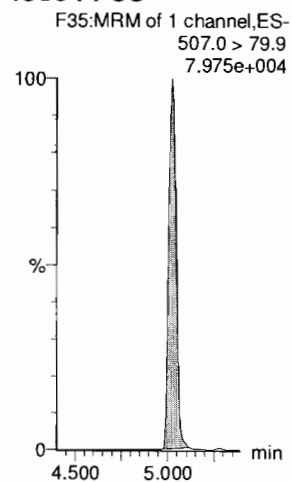
L-MeFOSAA



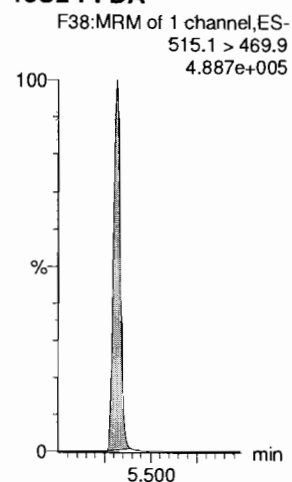
13C8-PFOSA



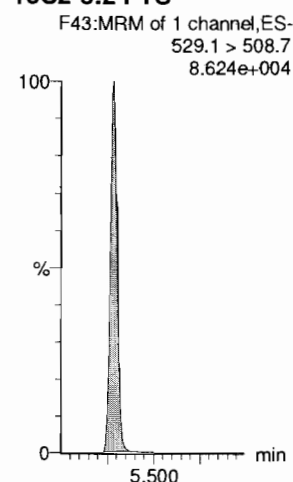
13C8-PFOS



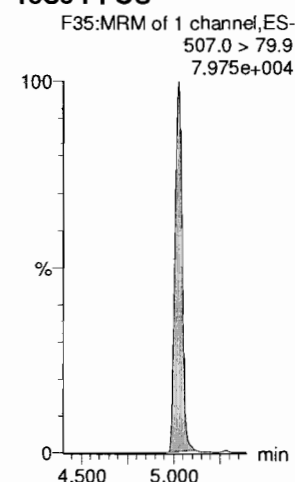
13C2-PFDA



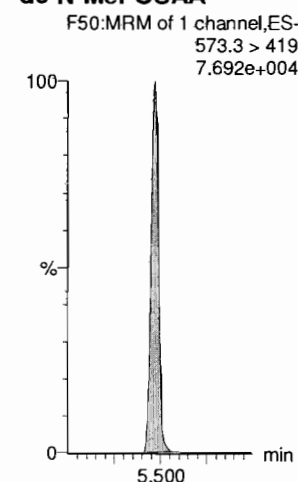
13C2-8:2 FTS



13C8-PFOS



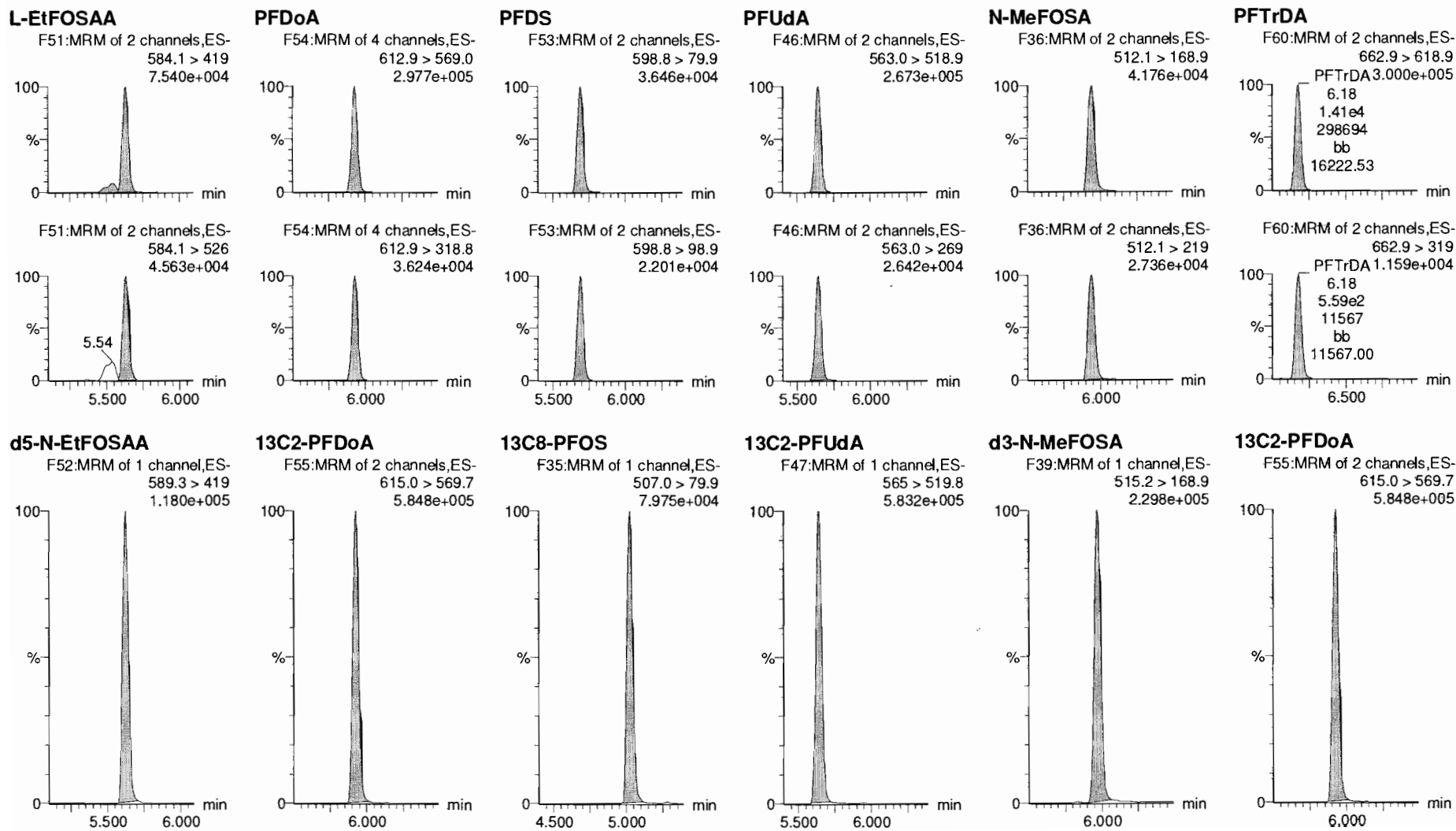
d3-N-MeFOSAA



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time
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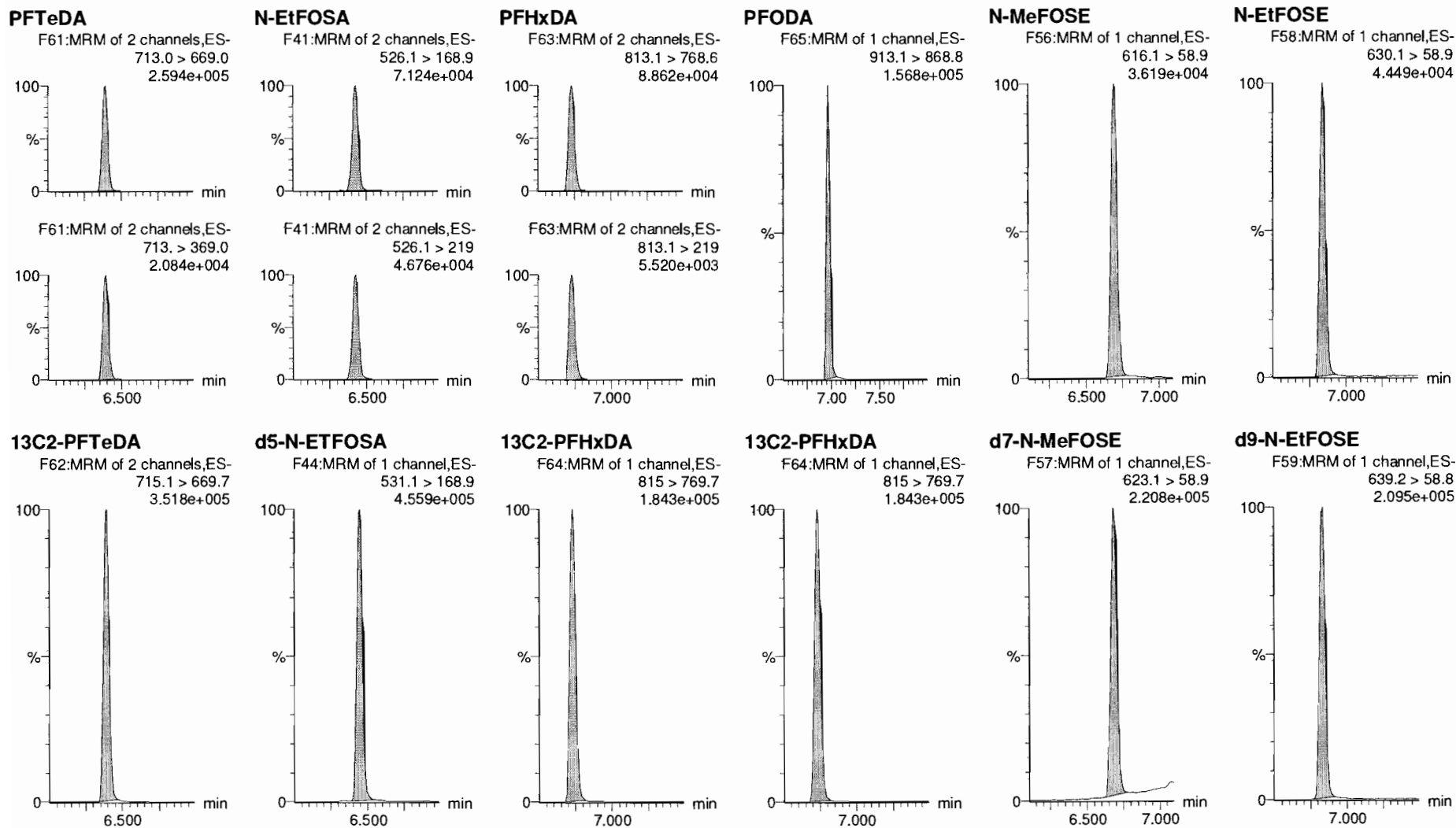
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Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time
Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_6, Date: 26-Nov-2018, Time: 12:28:21, ID: ST181126M2-5 PFC CS2 18K1905, Description: PFC CS2 18K1905

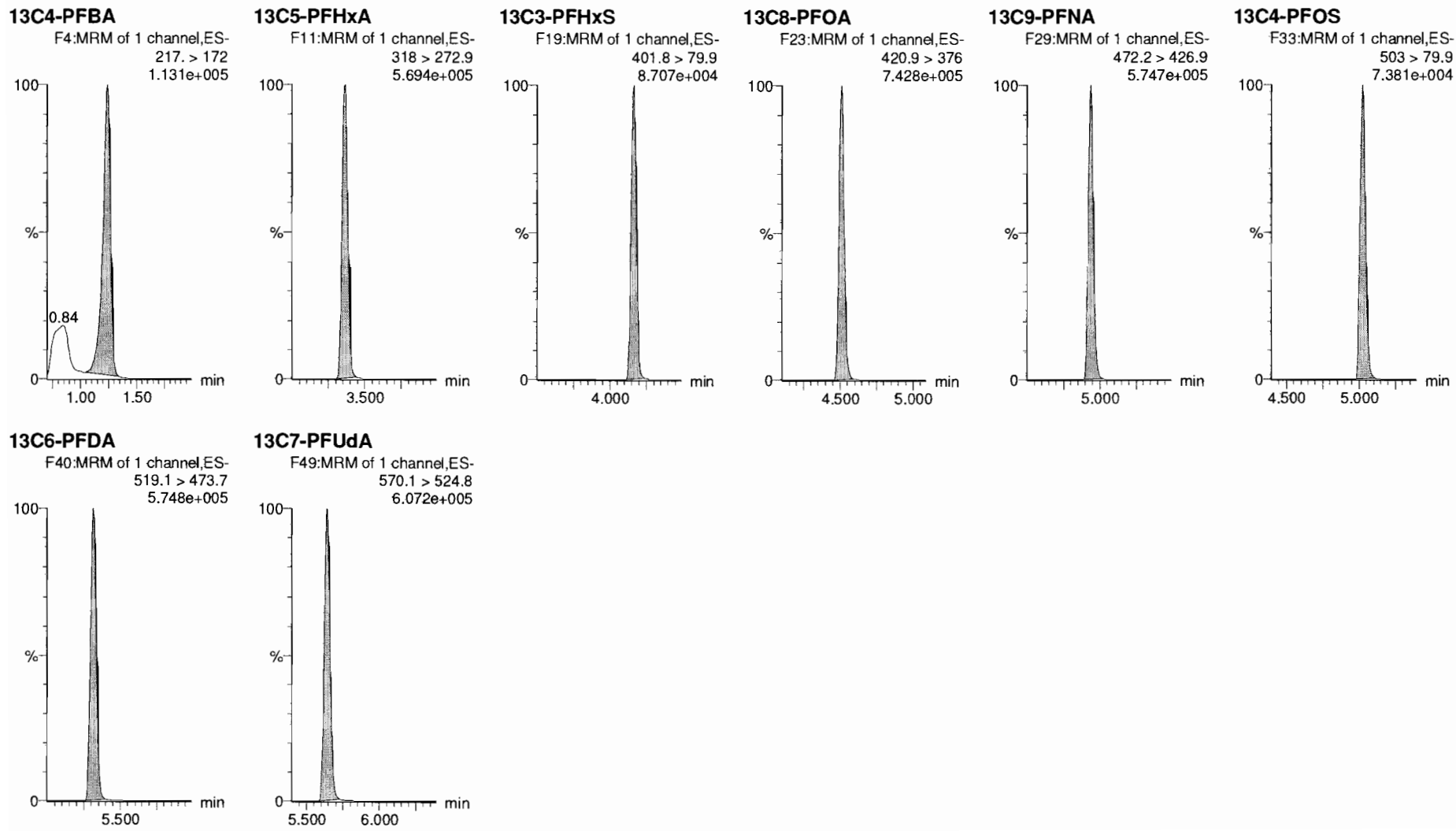


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Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_6, Date: 26-Nov-2018, Time: 12:28:21, ID: ST181126M2-5 PFC CS2 18K1905, Description: PFC CS2 18K1905

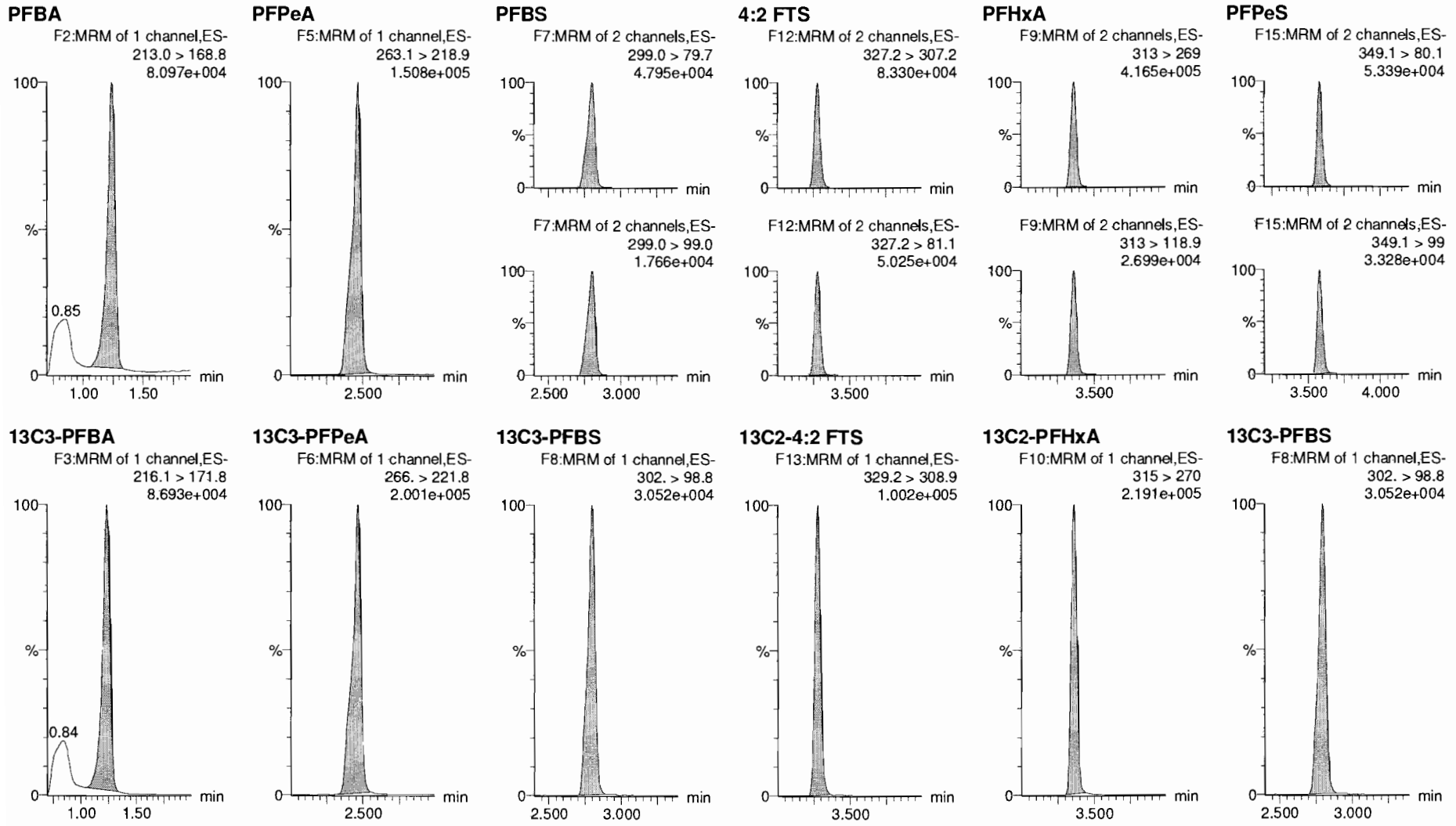


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Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time
Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

AD 11/27/18

Name: 181126M1_7, Date: 26-Nov-2018, Time: 12:38:59, ID: ST181126M1-6 PFC CS3 18K1906, Description: PFC CS3 18K1906

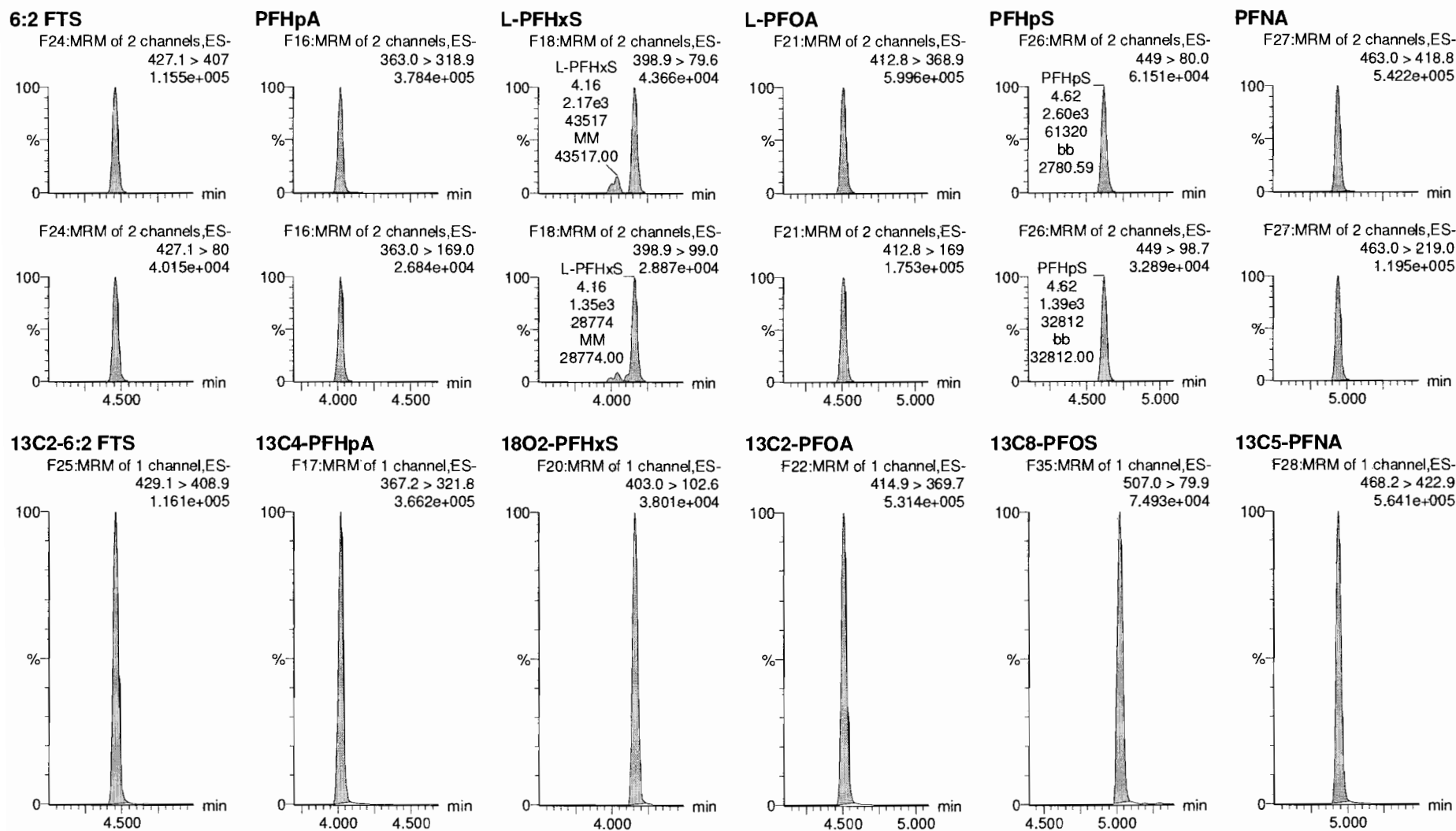


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

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Name: 181126M1_7, Date: 26-Nov-2018, Time: 12:38:59, ID: ST181126M2-6 PFC CS3 18K1906, Description: PFC CS3 18K1906

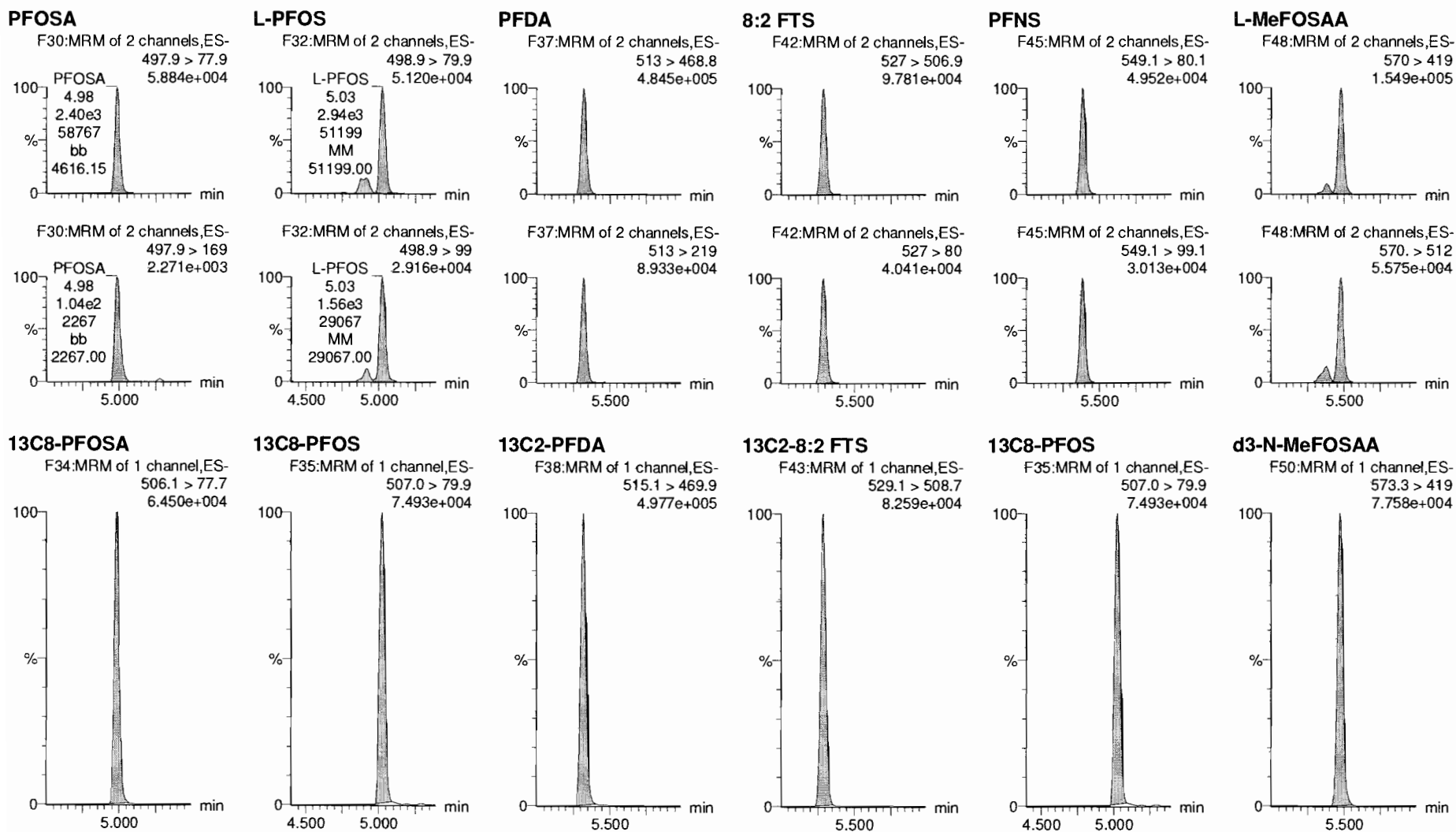


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Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_7, Date: 26-Nov-2018, Time: 12:38:59, ID: ST181126M2-6 PFC CS3 18K1906, Description: PFC CS3 18K1906



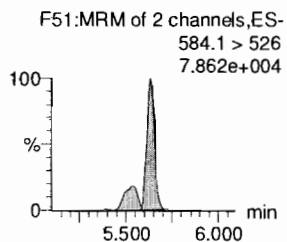
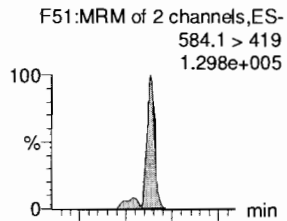
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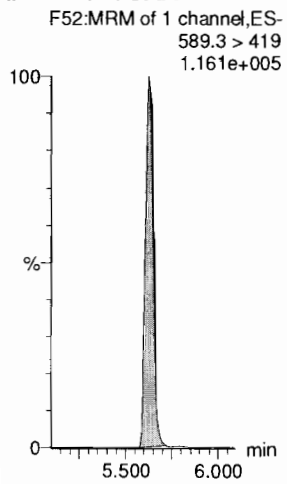
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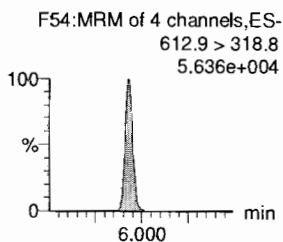
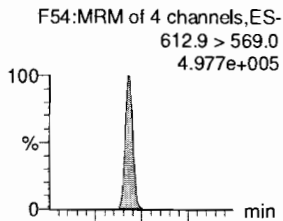
L-EtFOSAA



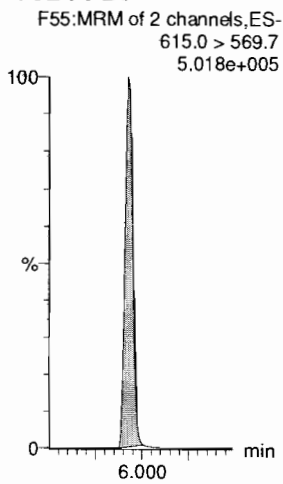
d5-N-EtFOSAA



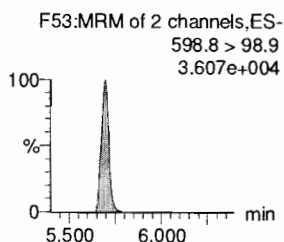
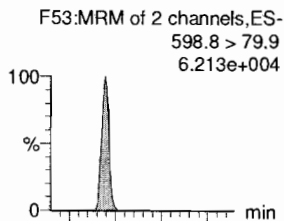
PFDaA



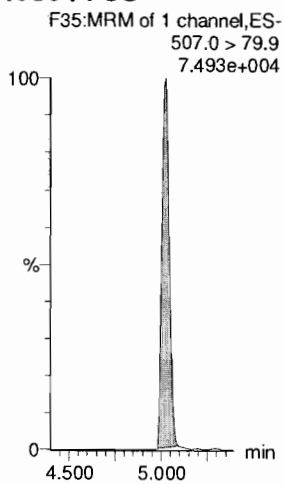
13C2-PFDaA



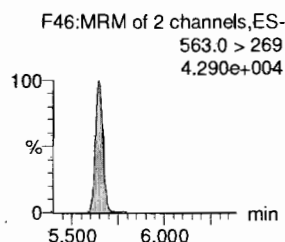
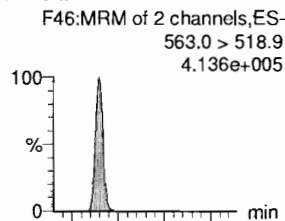
PFDS



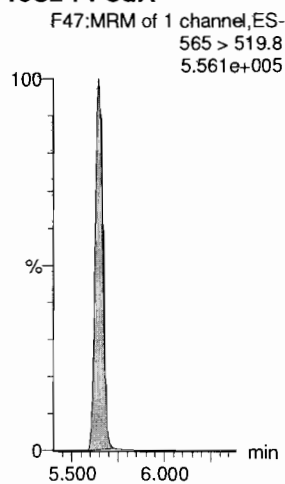
13C8-PFOS



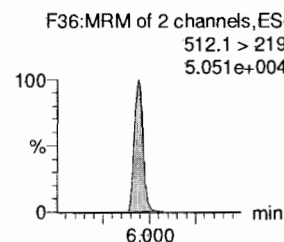
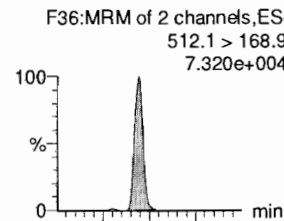
PFUdA



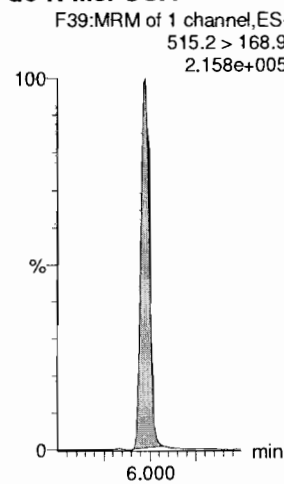
13C2-PFUdA



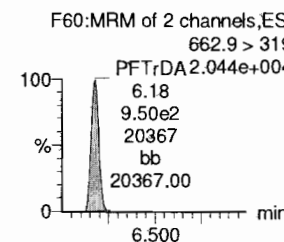
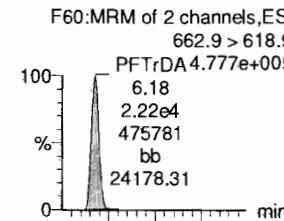
N-MeFOSA



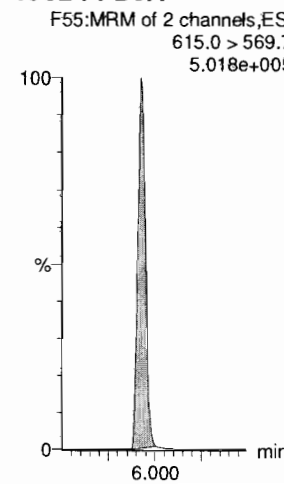
d3-N-MeFOSA



PFTrDA



13C2-PFDaA

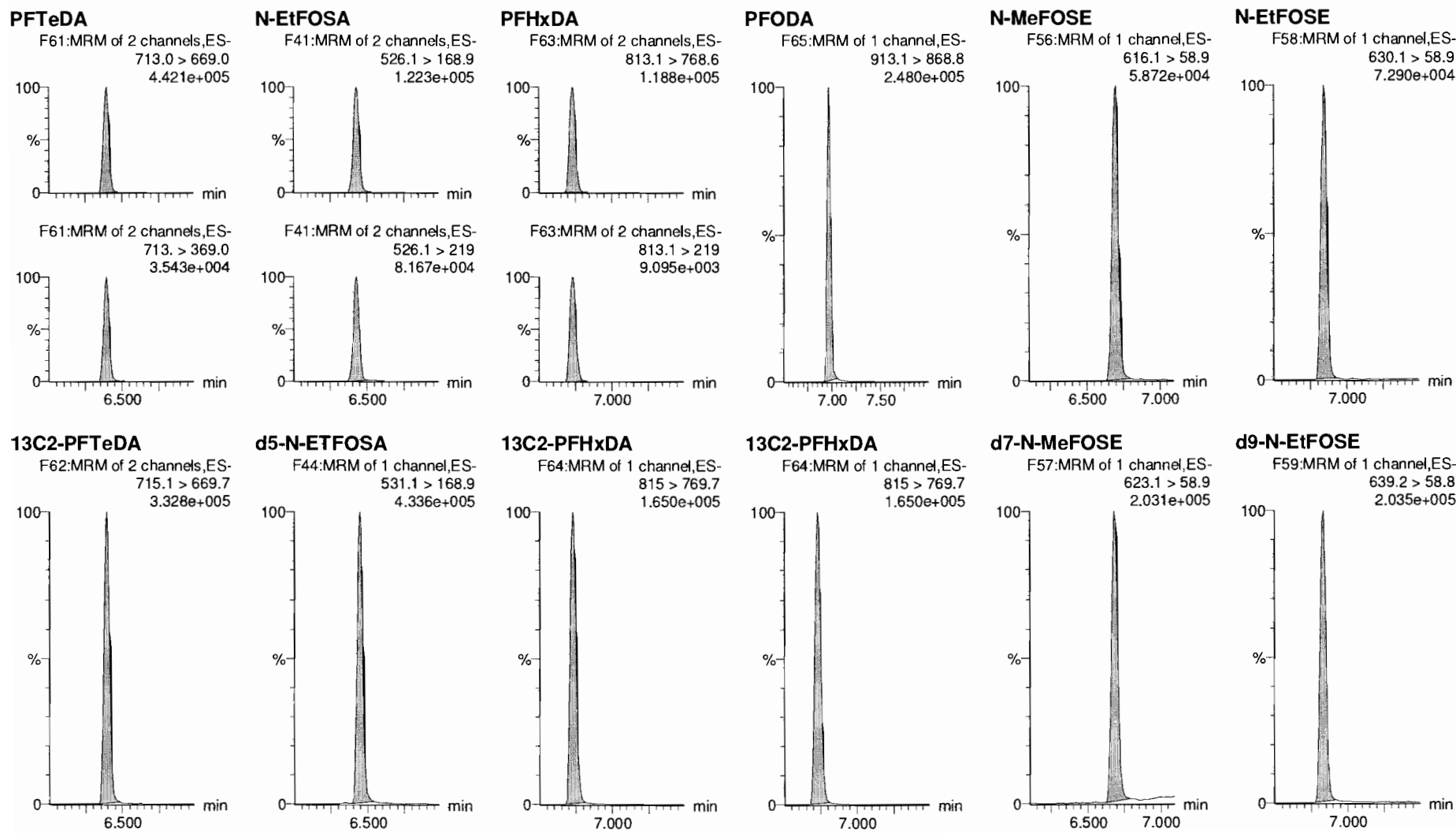


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

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Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_7, Date: 26-Nov-2018, Time: 12:38:59, ID: ST181126M2-6 PFC CS3 18K1906, Description: PFC CS3 18K1906



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

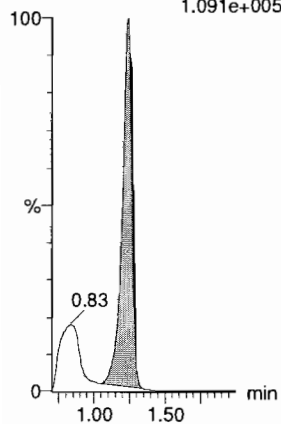
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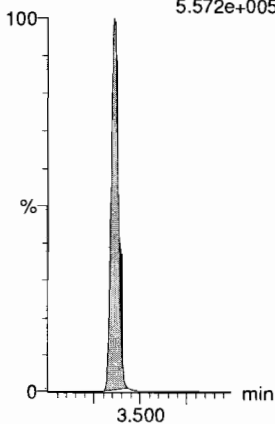
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.091e+005



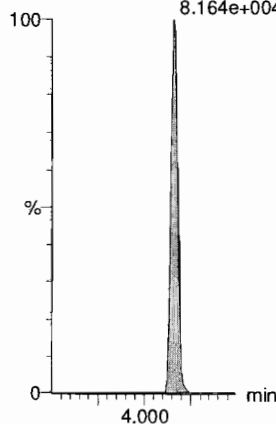
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.572e+005



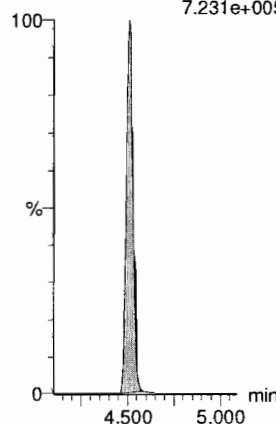
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
8.164e+004



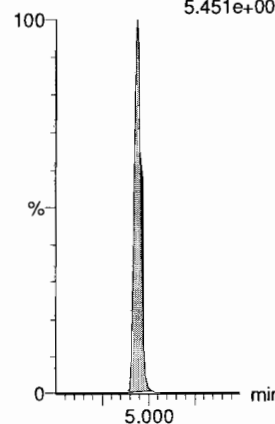
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
7.231e+005



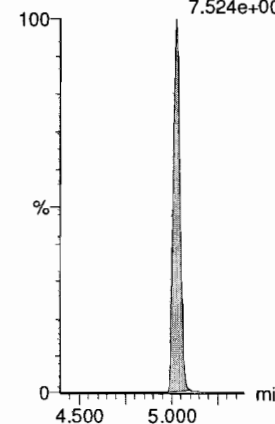
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.451e+005



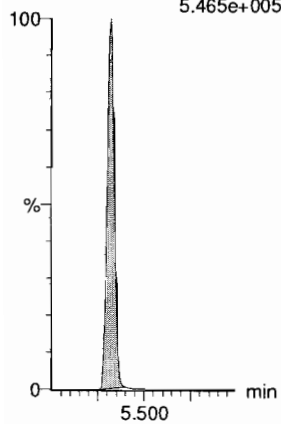
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.524e+004



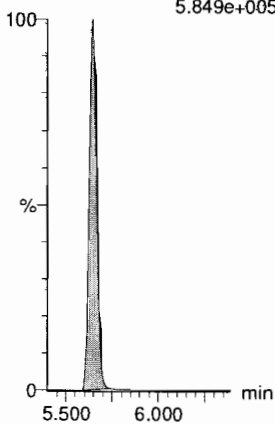
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.465e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.849e+005



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

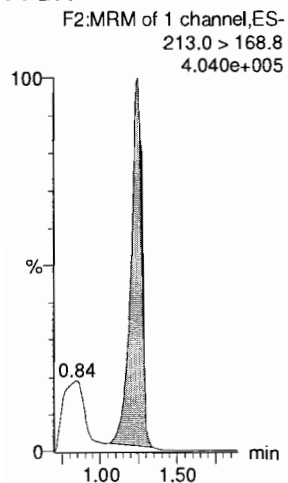
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Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

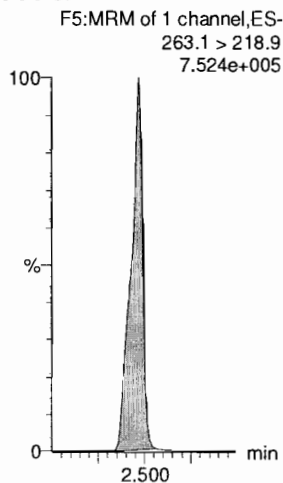
AD 11/27/18

Name: 181126M1_8, Date: 26-Nov-2018, Time: 12:49:38, ID: ST181126M1-7 PFC CS4 1810907, Description: PFC CS4 18K1907

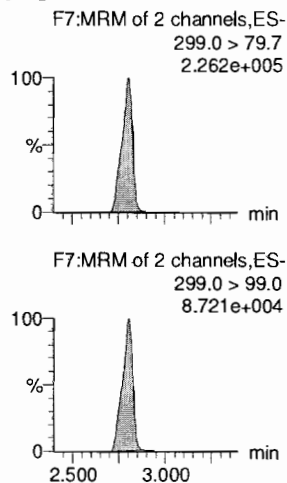
PFBA



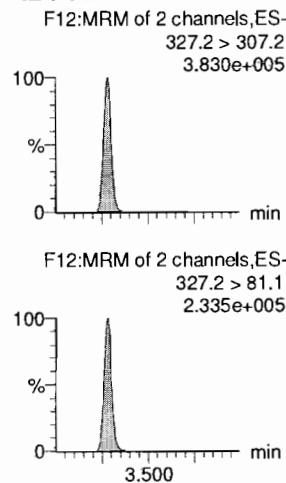
PFPeA



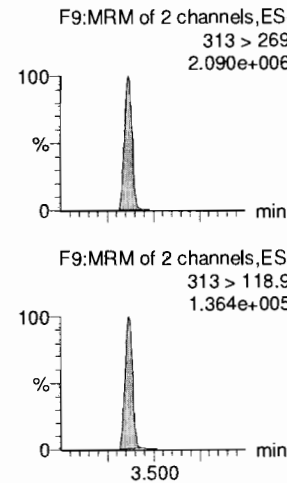
PFBS



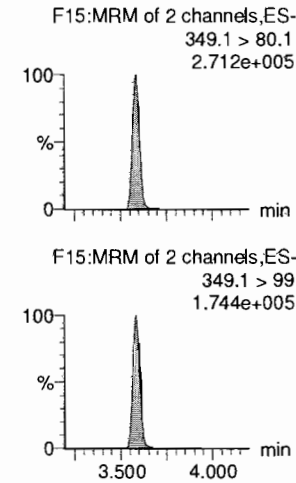
4:2 FTS



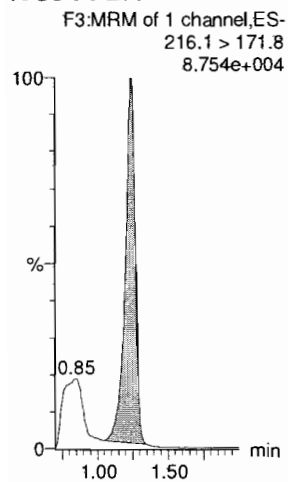
PFHxA



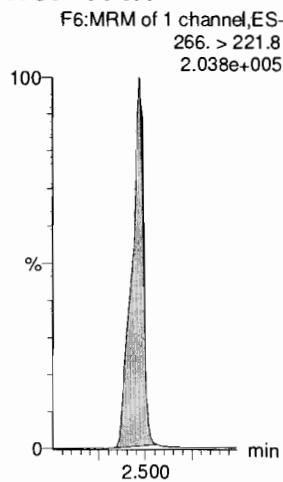
PFPeS



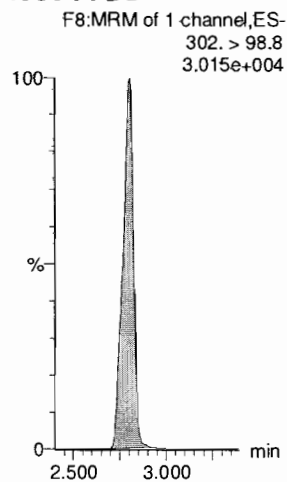
13C3-PFBA



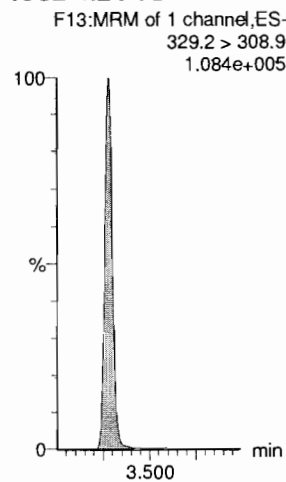
13C3-PFPeA



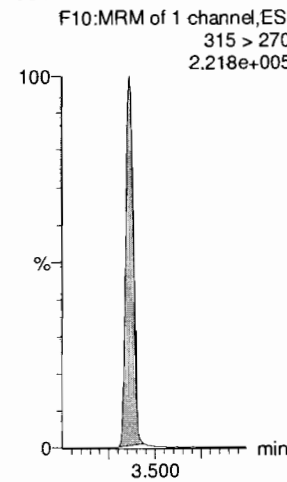
13C3-PFBS



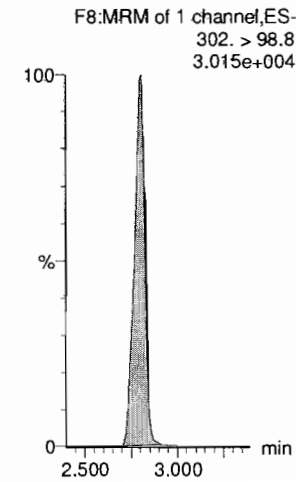
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

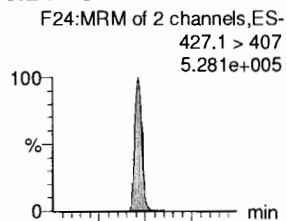


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

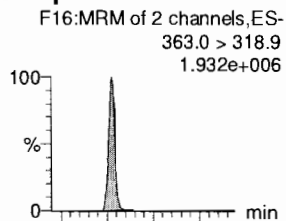
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Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_8, Date: 26-Nov-2018, Time: 12:49:38, ID: ST181126M2-7 PFC CS4 1810907, Description: PFC CS4 18K1907

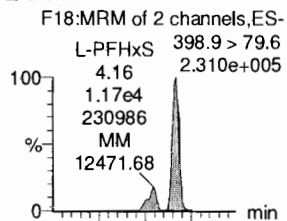
6:2 FTS



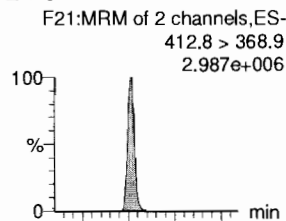
PFHpA



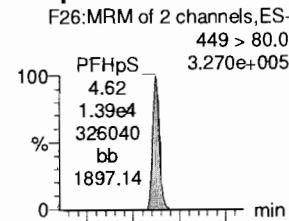
L-PFHxS



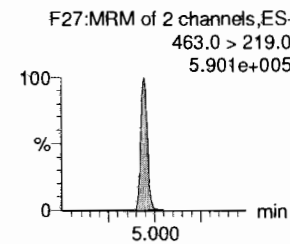
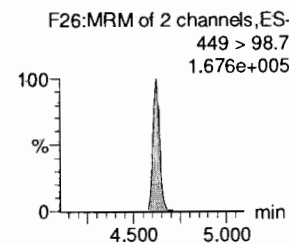
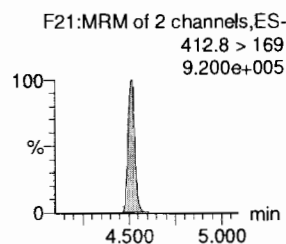
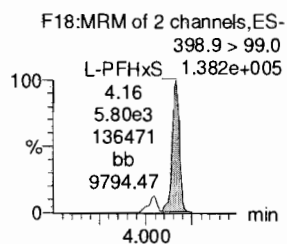
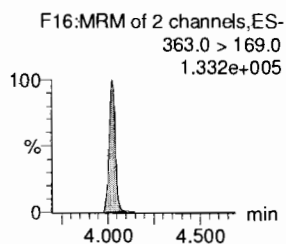
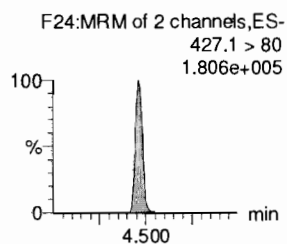
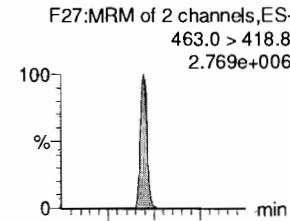
L-PFOA



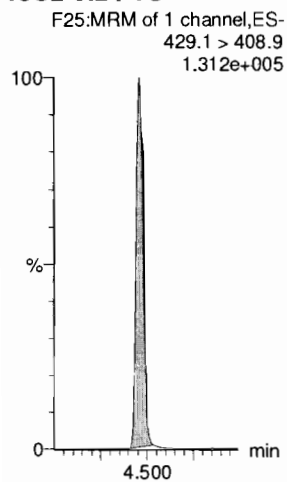
PFHpS



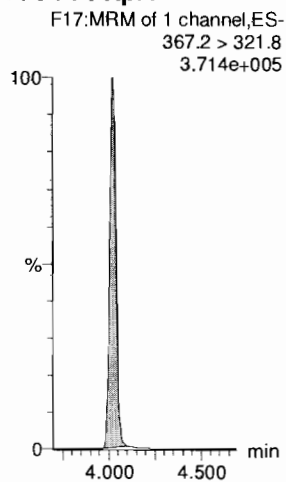
PFNA



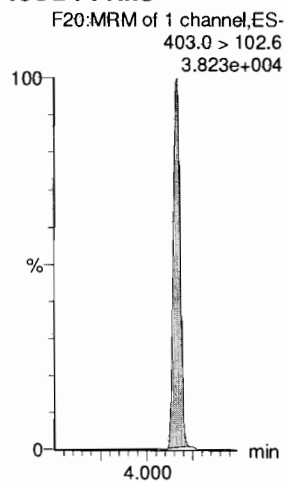
13C2-6:2 FTS



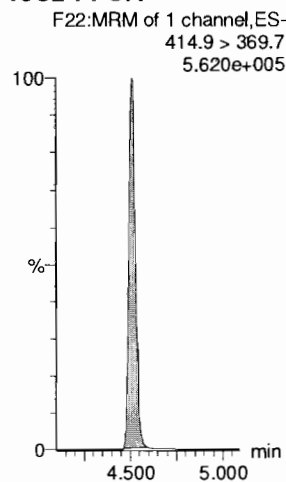
13C4-PFHpA



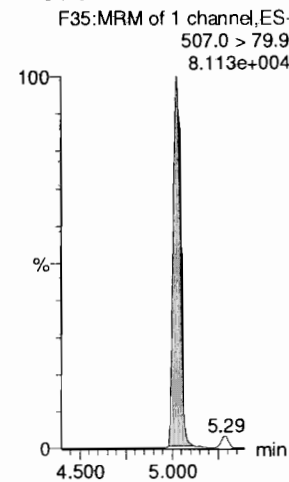
18O2-PFHxS



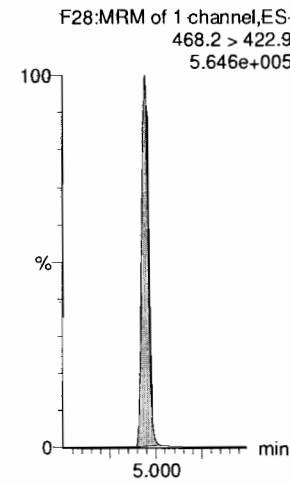
13C2-PFOA



13C8-PFOS



13C5-PFNA



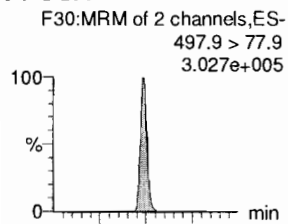
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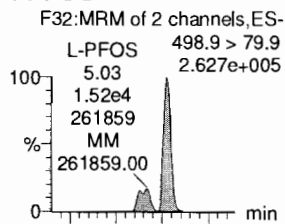
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Name: 181126M1_8, Date: 26-Nov-2018, Time: 12:49:38, ID: ST181126M2-7 PFC CS4 1810907, Description: PFC CS4 18K1907

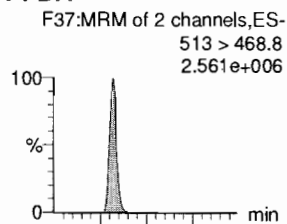
PFOSA



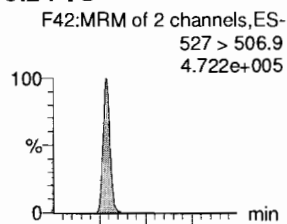
L-PFOS



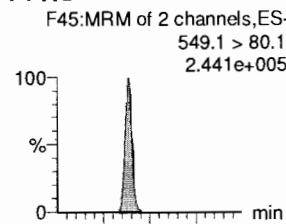
PFDA



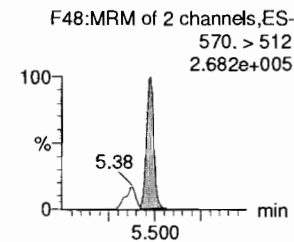
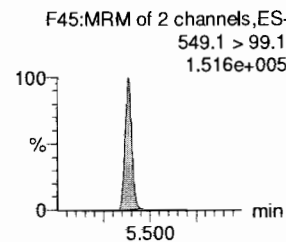
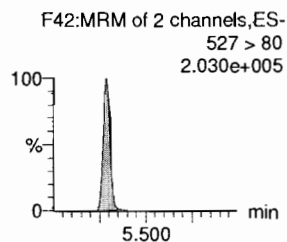
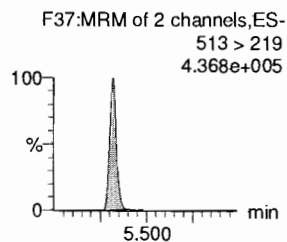
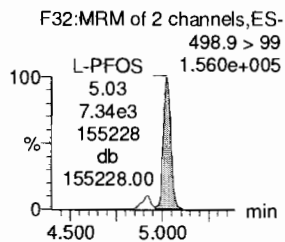
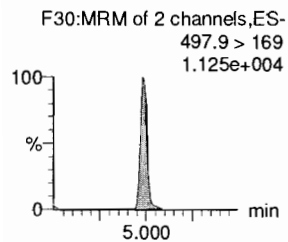
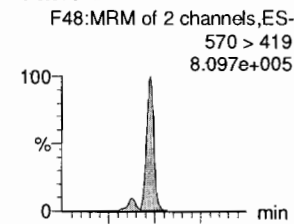
8:2 FTS



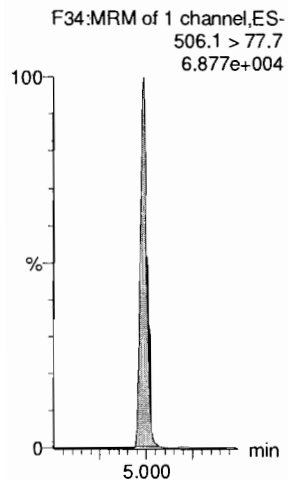
PFNS



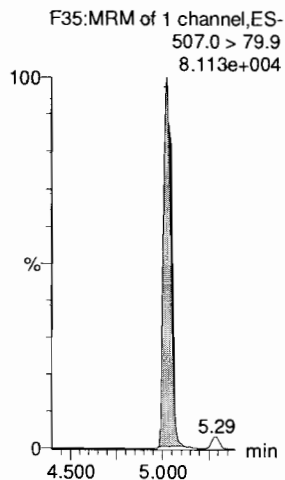
L-MeFOSAA



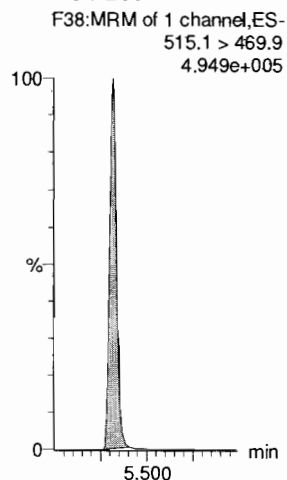
13C8-PFOSA



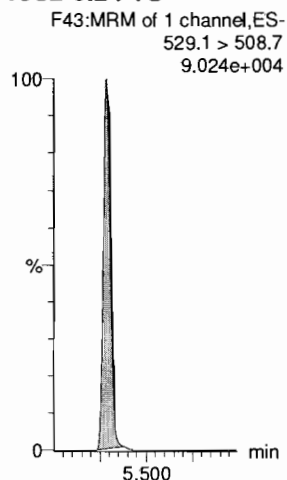
13C8-PFOS



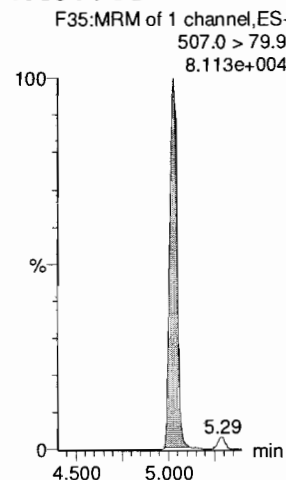
13C2-PFDA



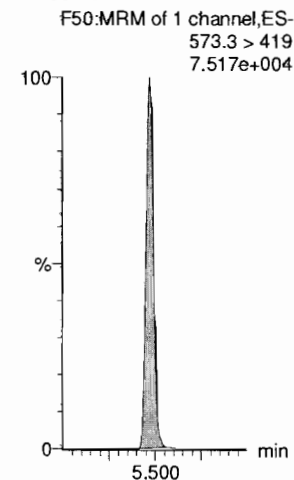
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



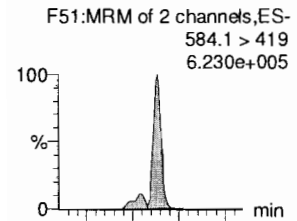
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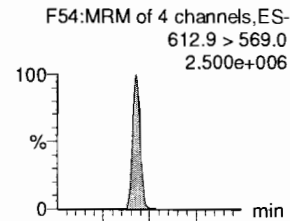
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Name: 181126M1_8, Date: 26-Nov-2018, Time: 12:49:38, ID: ST181126M2-7 PFC CS4 1810907, Description: PFC CS4 18K1907

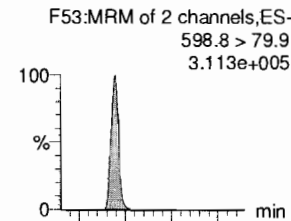
L-EtFOSAA



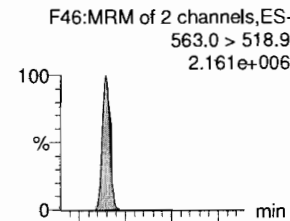
PFDaA



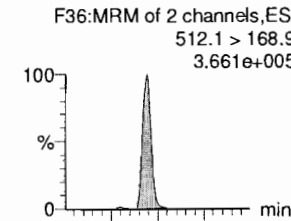
PFDS



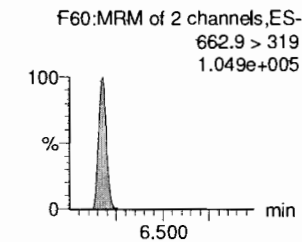
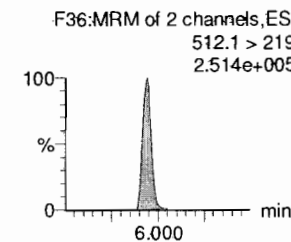
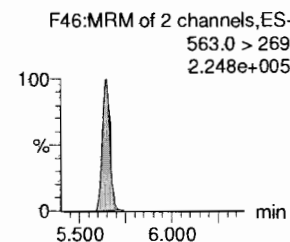
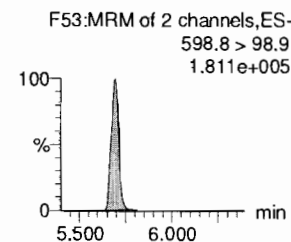
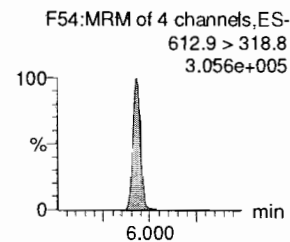
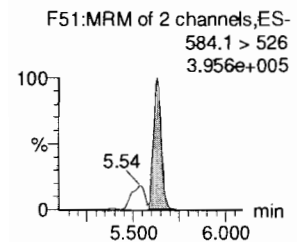
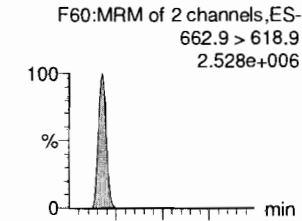
PFUdA



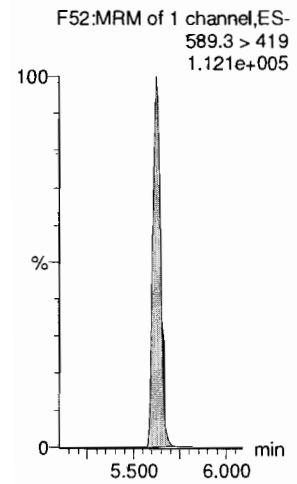
N-MeFOSA



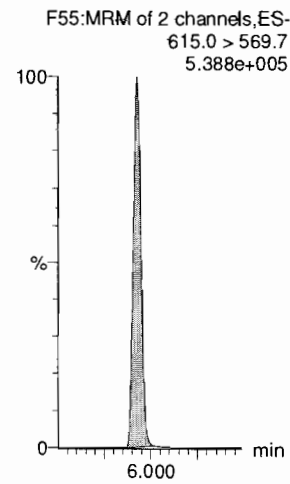
PFTrDA



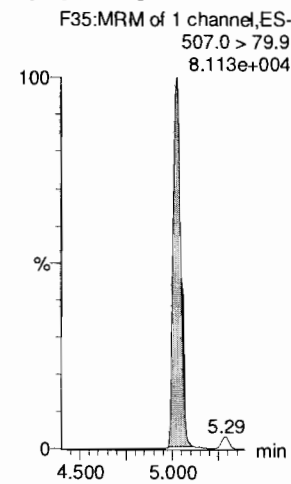
d5-N-EtFOSAA



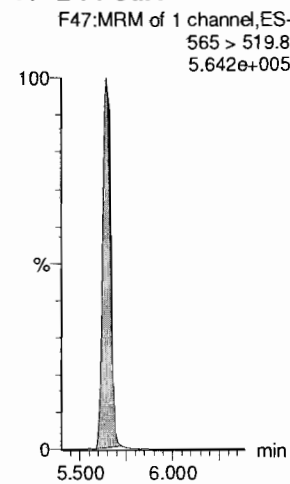
13C2-PFDaA



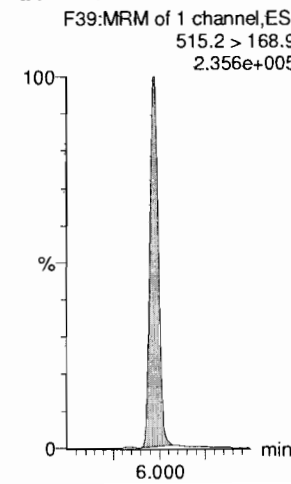
13C8-PFOS



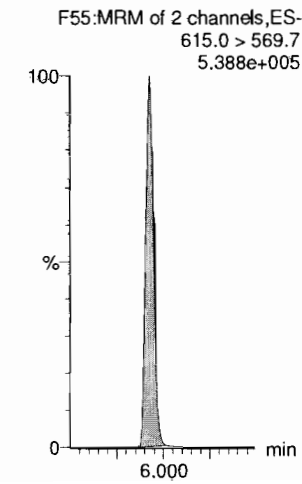
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDaA

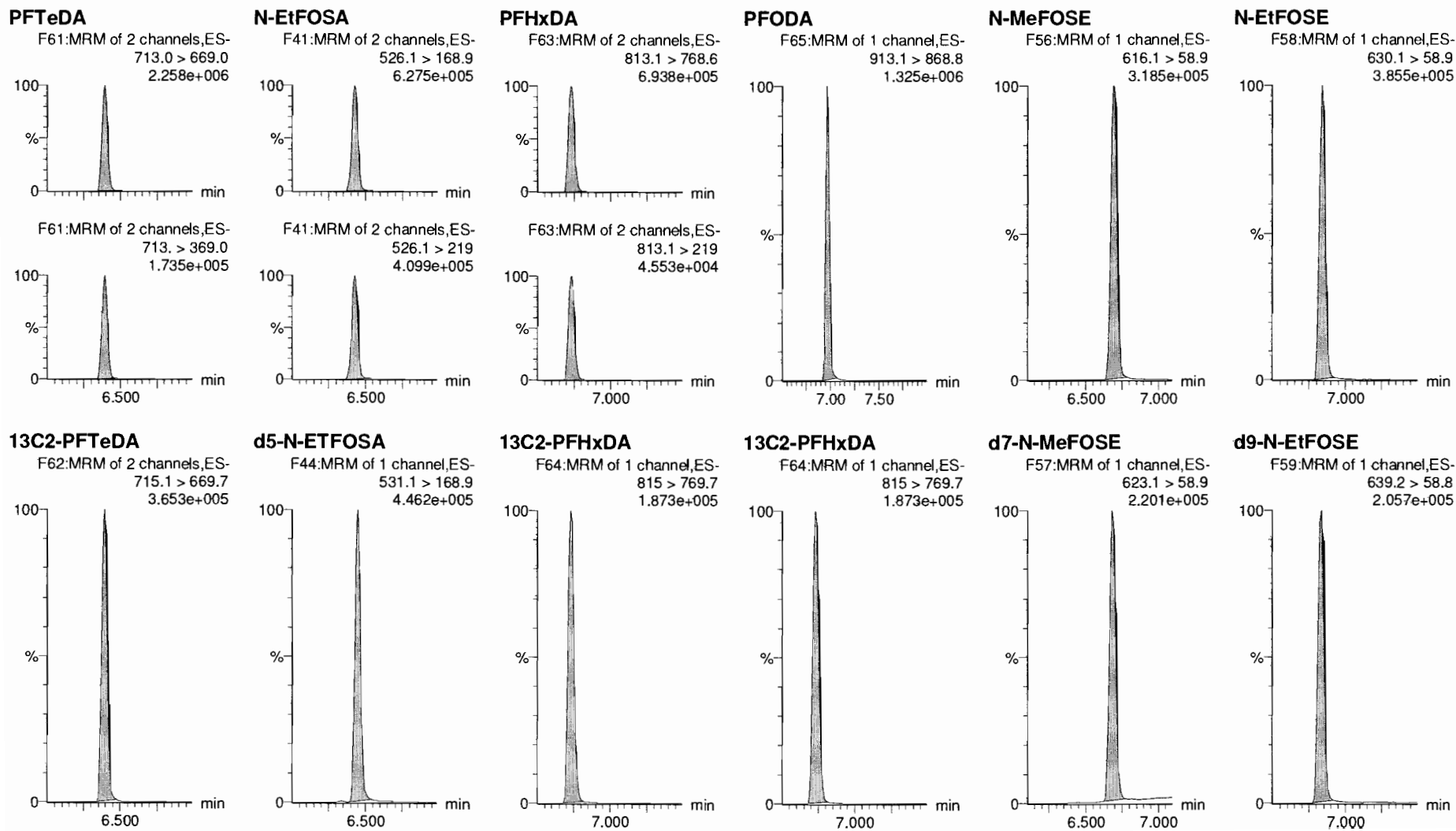


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Name: 181126M1_8, Date: 26-Nov-2018, Time: 12:49:38, ID: ST181126M2-7 PFC CS4 1810907, Description: PFC CS4 18K1907



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

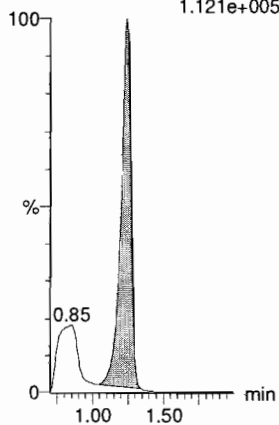
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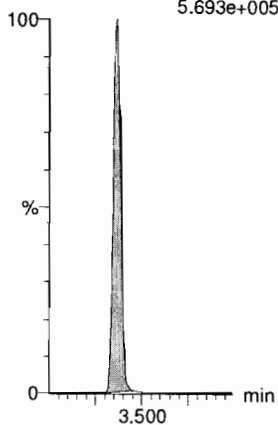
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.121e+005



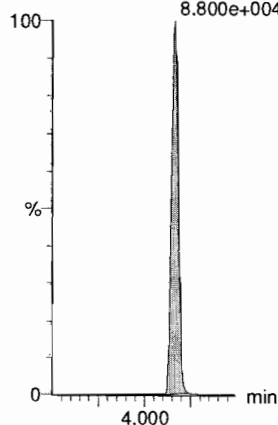
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.693e+005



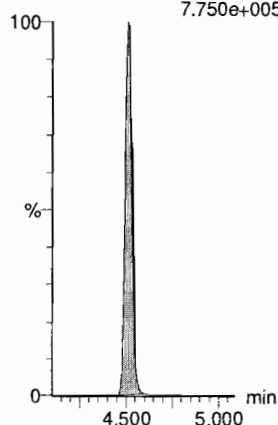
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
8.800e+004



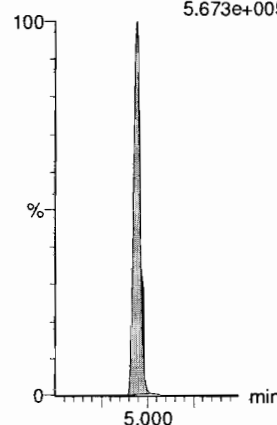
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
7.750e+005



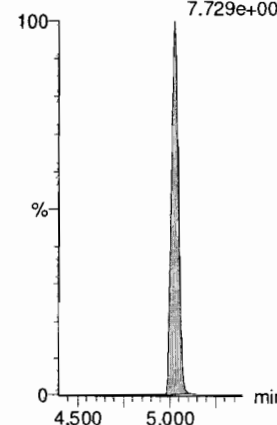
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
5.673e+005



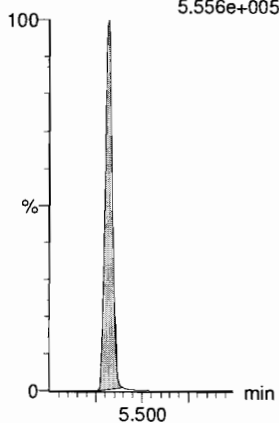
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.729e+004



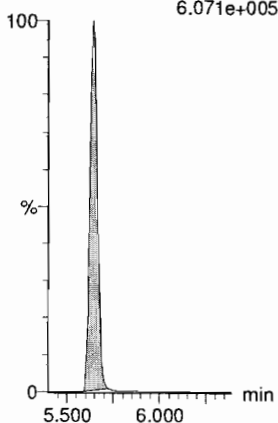
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
5.556e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.071e+005



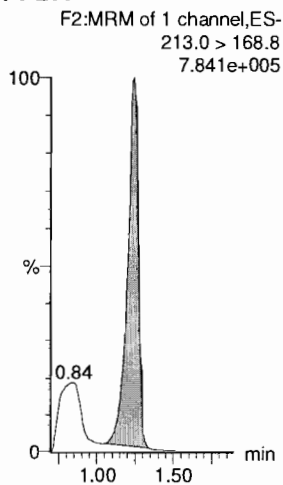
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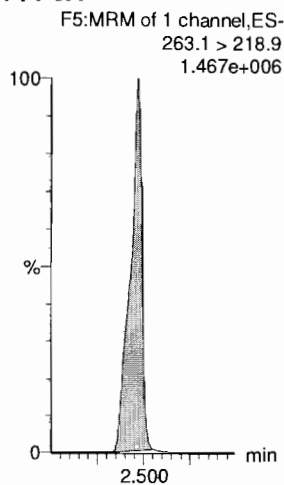
1 AD 11/27/18

Name: 181126M1_9, Date: 26-Nov-2018, Time: 13:00:11, ID: ST181126M1-8 PFC CS5 18K1908, Description: PFC CS5 18K1908

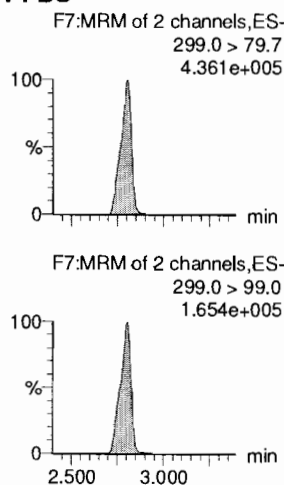
PFBA



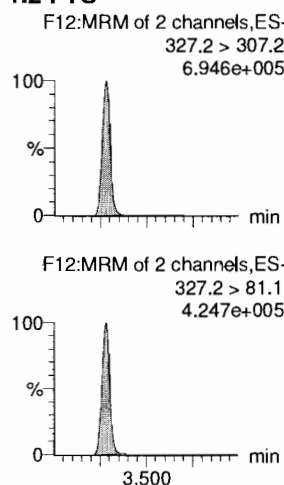
PFPeA



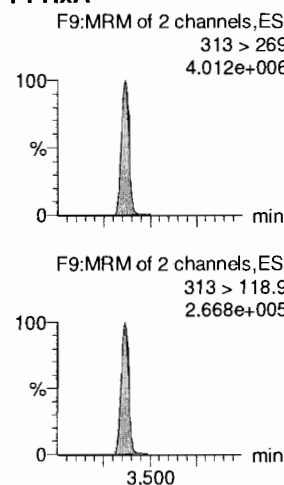
PFBS



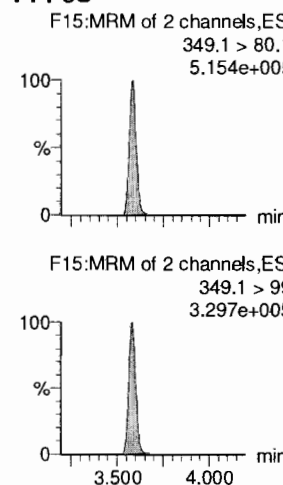
4:2 FTS



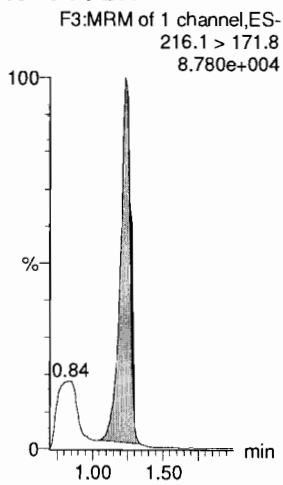
PFHxA



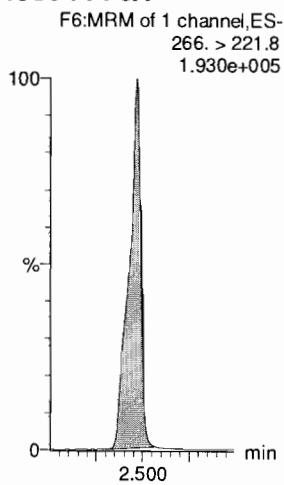
PFPeS



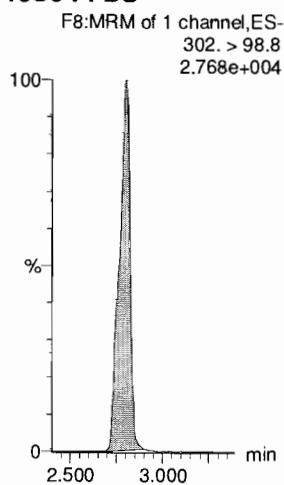
13C3-PFBA



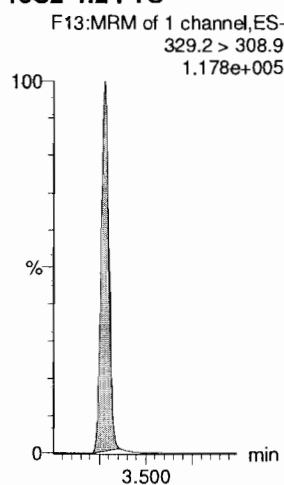
13C3-PFPeA



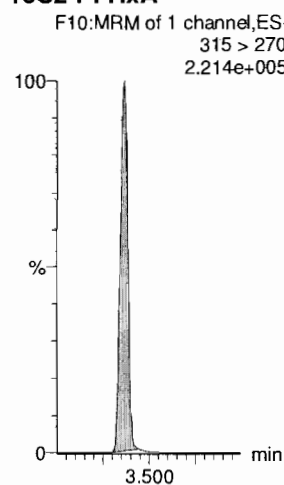
13C3-PFBS



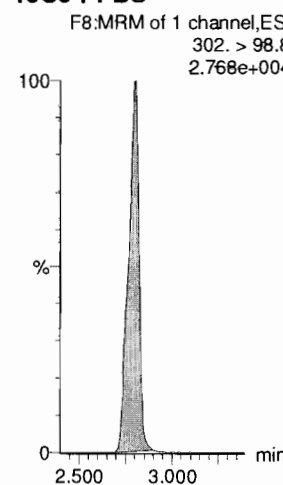
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

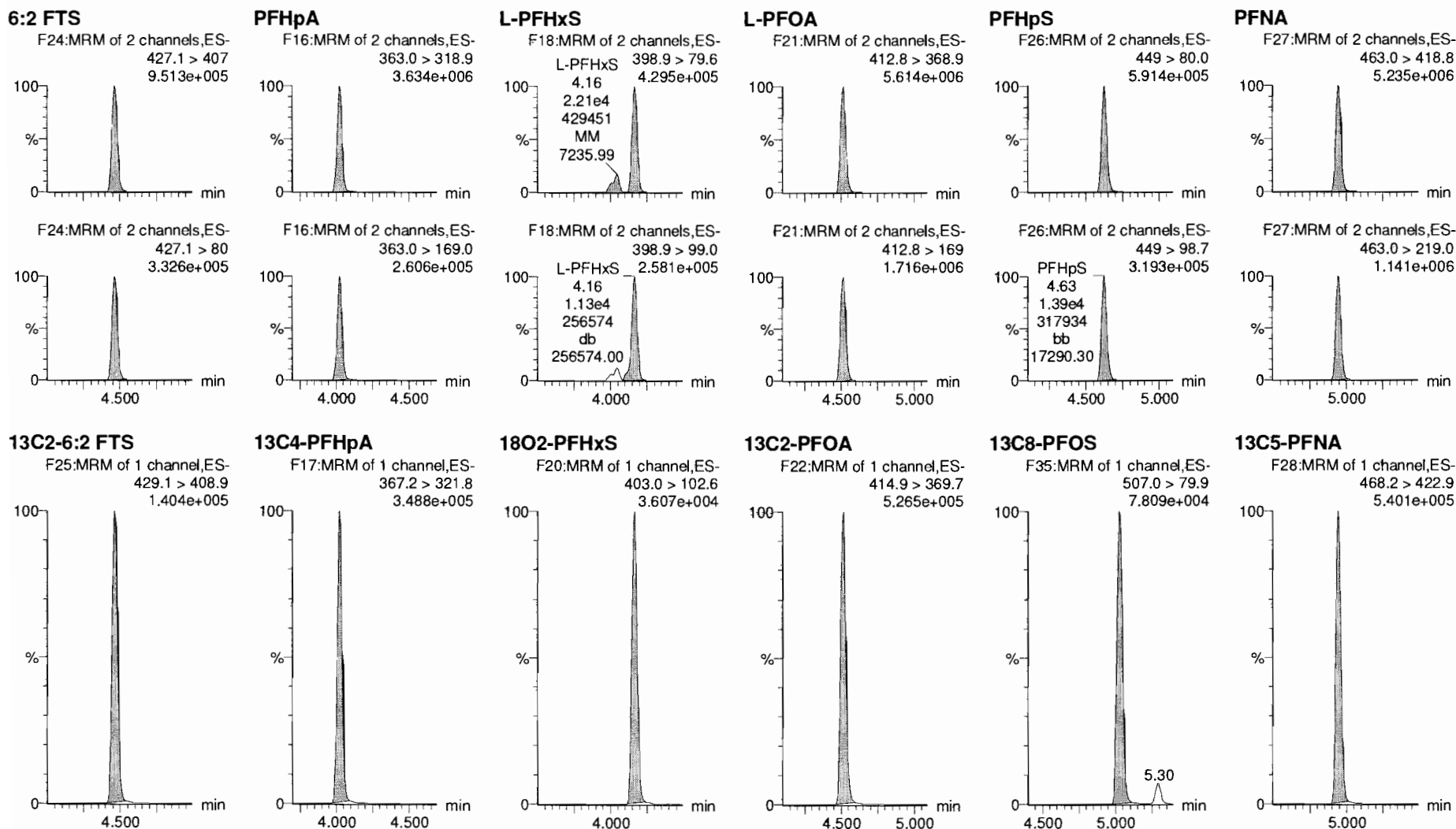


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Name: 181126M1_9, Date: 26-Nov-2018, Time: 13:00:11, ID: ST181126M2-8 PFC CS5 18K1908, Description: PFC CS5 18K1908

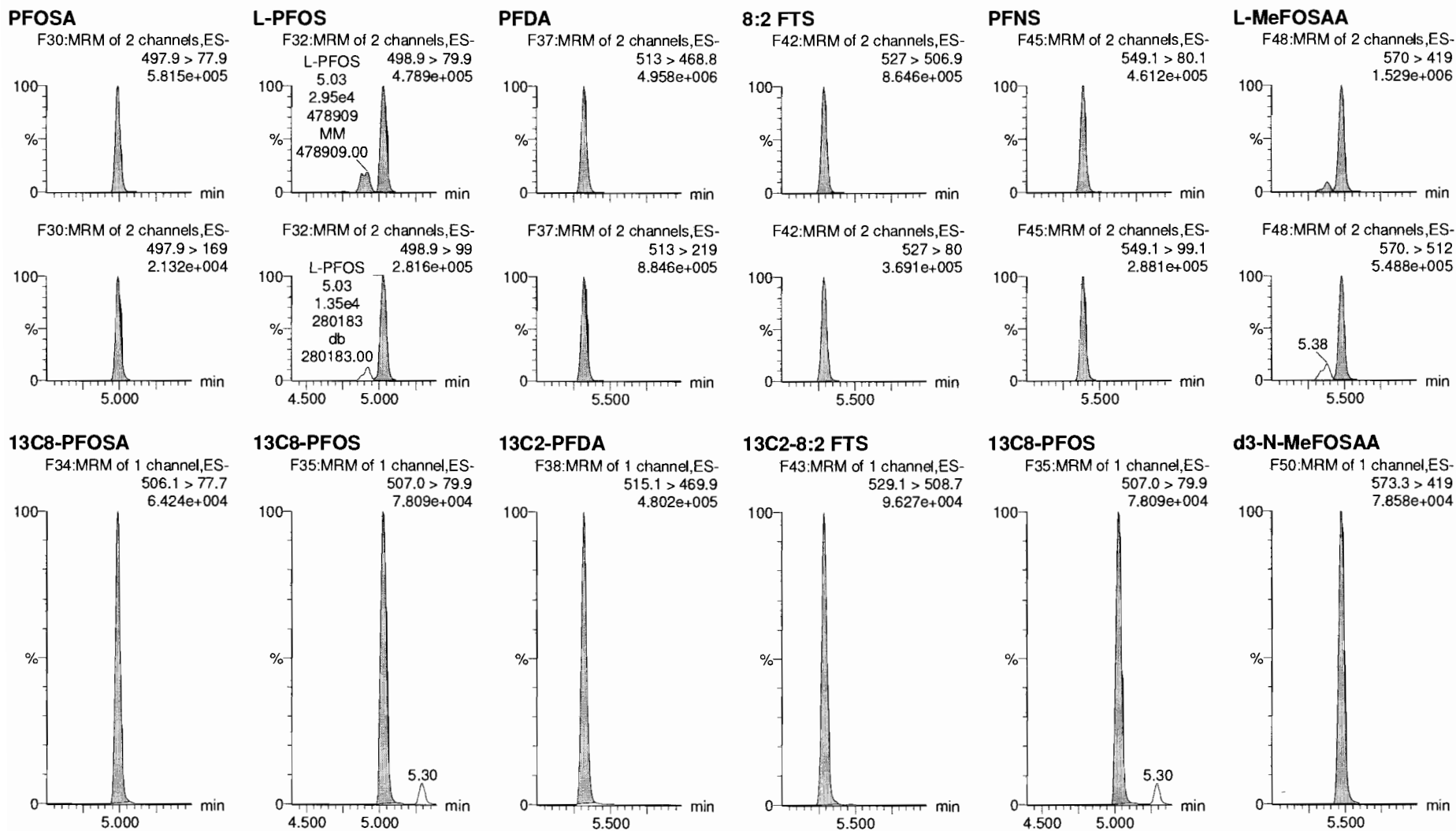


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Name: 181126M1_9, Date: 26-Nov-2018, Time: 13:00:11, ID: ST181126M2-8 PFC CS5 18K1908, Description: PFC CS5 18K1908



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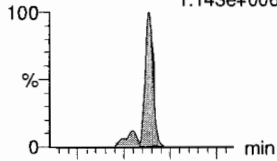
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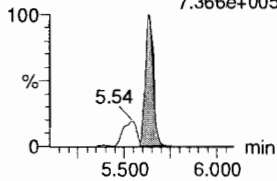
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L-EtFOSAA

F51:MRM of 2 channels,ES-
584.1 > 419
1.143e+006

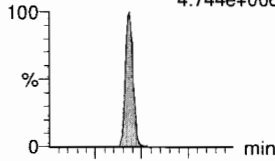


F51:MRM of 2 channels,ES-
584.1 > 526
7.366e+005

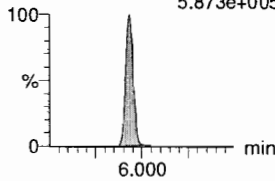


PFDoA

F54:MRM of 4 channels,ES-
612.9 > 569.0
4.744e+006

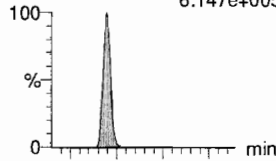


F54:MRM of 4 channels,ES-
612.9 > 318.8
5.873e+005

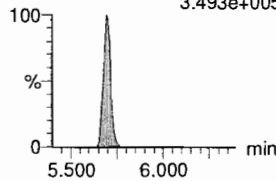


PFDS

F53:MRM of 2 channels,ES-
598.8 > 79.9
6.147e+005

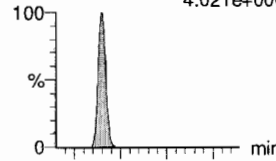


F53:MRM of 2 channels,ES-
598.8 > 98.9
3.493e+005

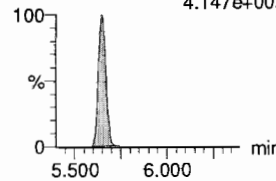


PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
4.021e+006

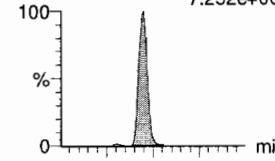


F46:MRM of 2 channels,ES-
563.0 > 269
4.147e+005

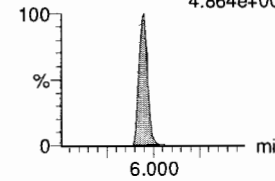


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
7.252e+005

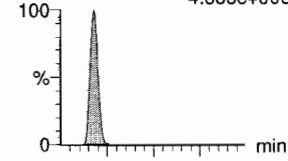


F36:MRM of 2 channels,ES-
512.1 > 219
4.864e+005

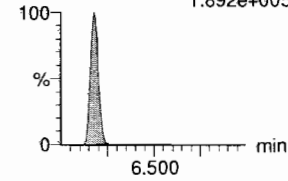


PFTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
4.683e+006

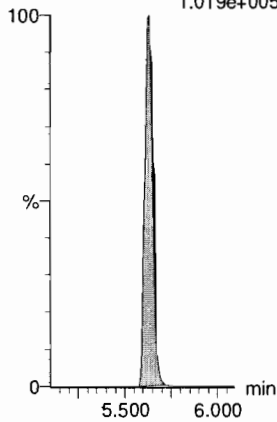


F60:MRM of 2 channels,ES-
662.9 > 319
1.892e+005



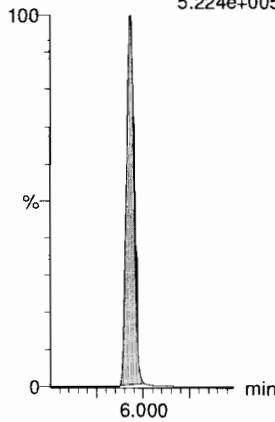
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
1.019e+005



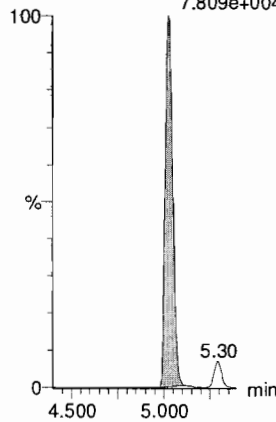
13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
5.224e+005



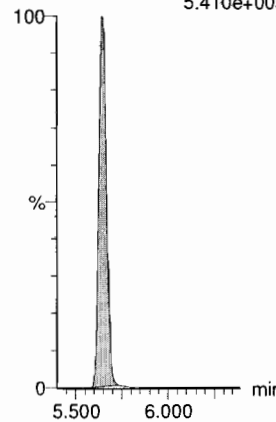
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
7.809e+004



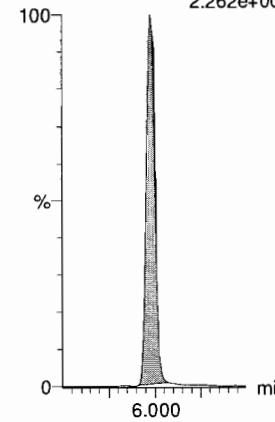
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
5.410e+005



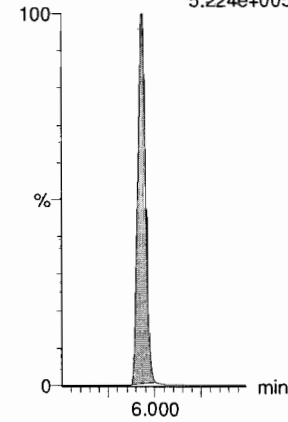
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
2.262e+005



13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
5.224e+005

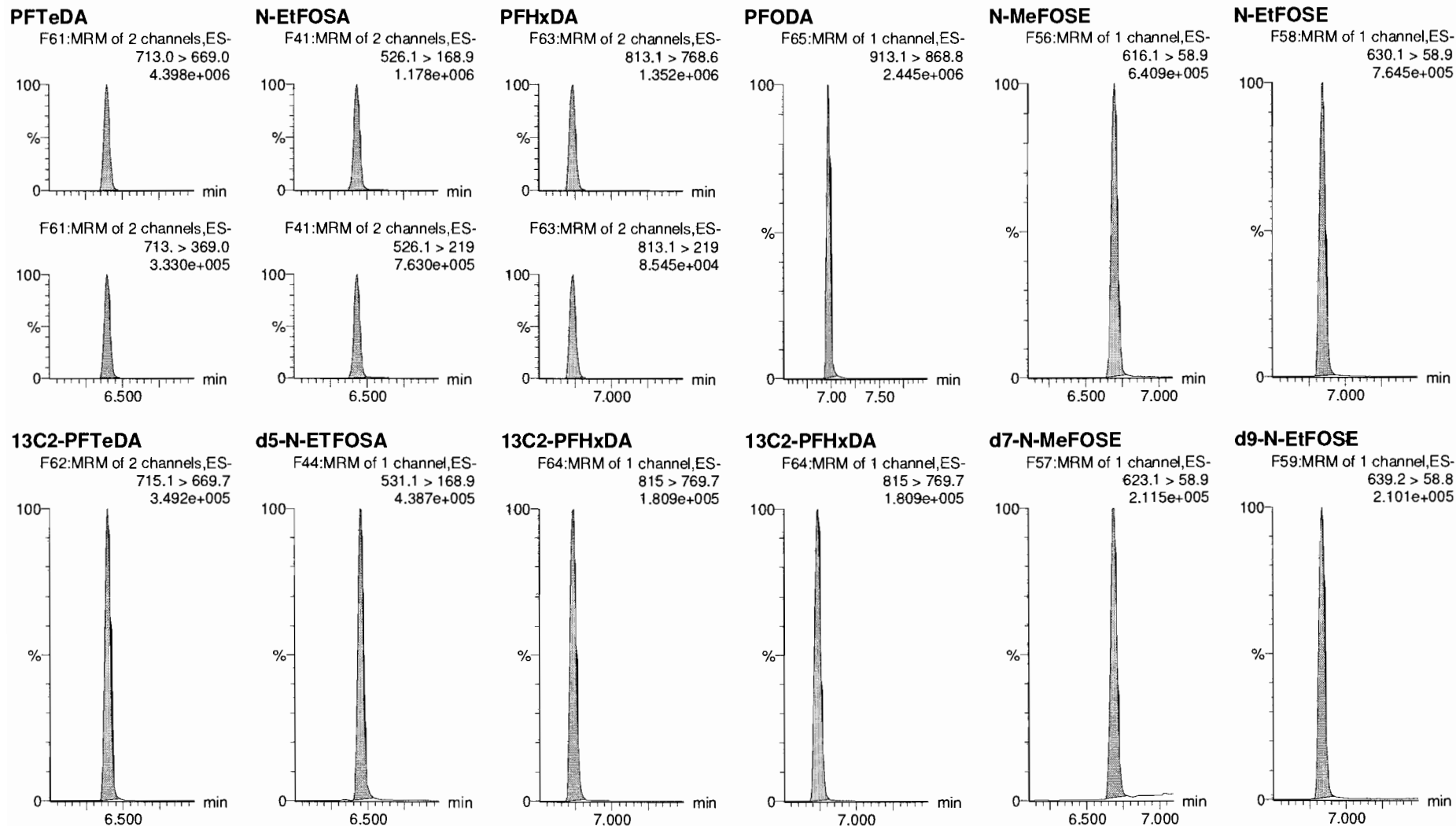


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

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Name: 181126M1_9, Date: 26-Nov-2018, Time: 13:00:11, ID: ST181126M2-8 PFC CS5 18K1908, Description: PFC CS5 18K1908

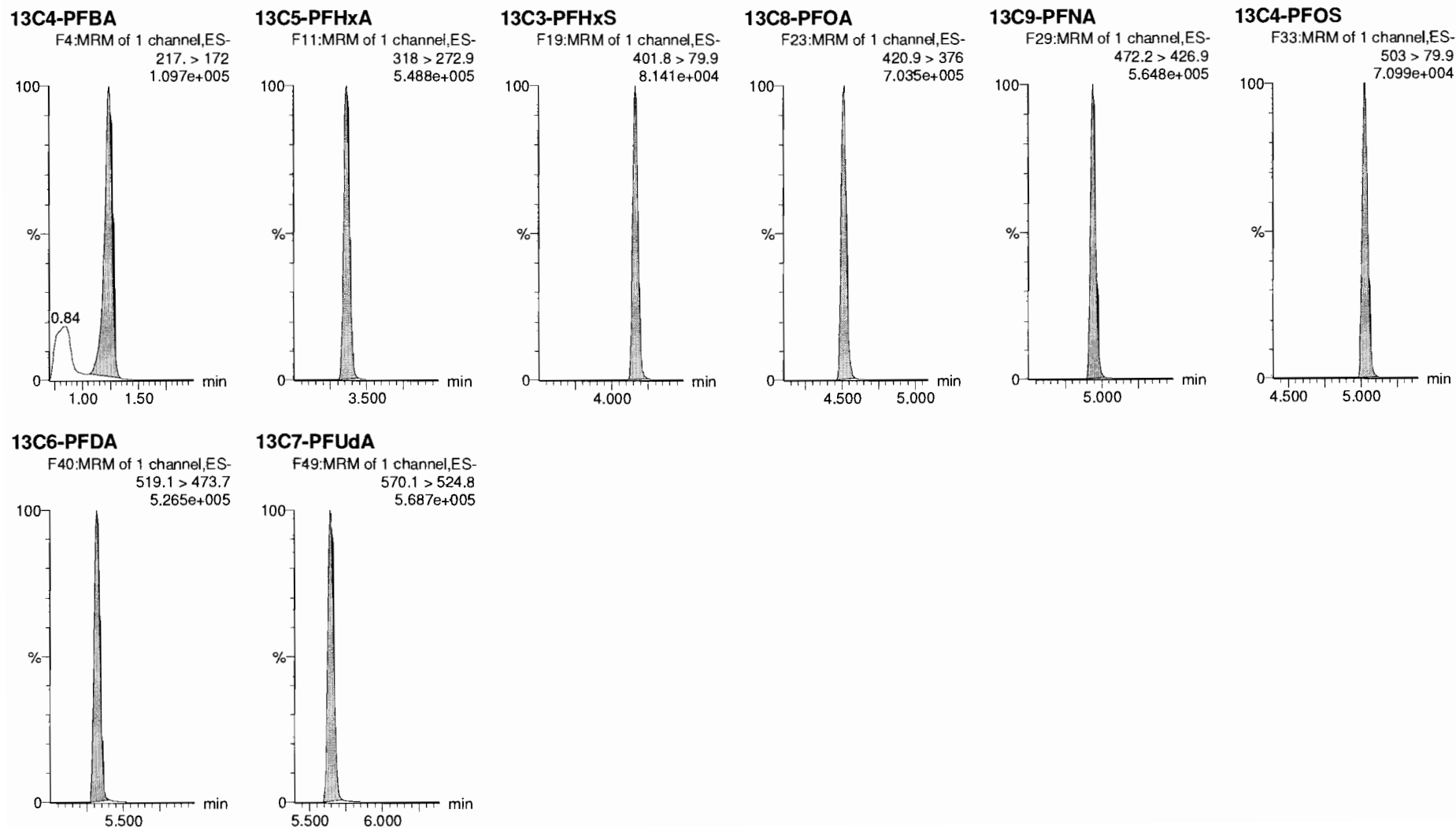


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_9, Date: 26-Nov-2018, Time: 13:00:11, ID: ST181126M2-8 PFC CS5 18K1908, Description: PFC CS5 18K1908



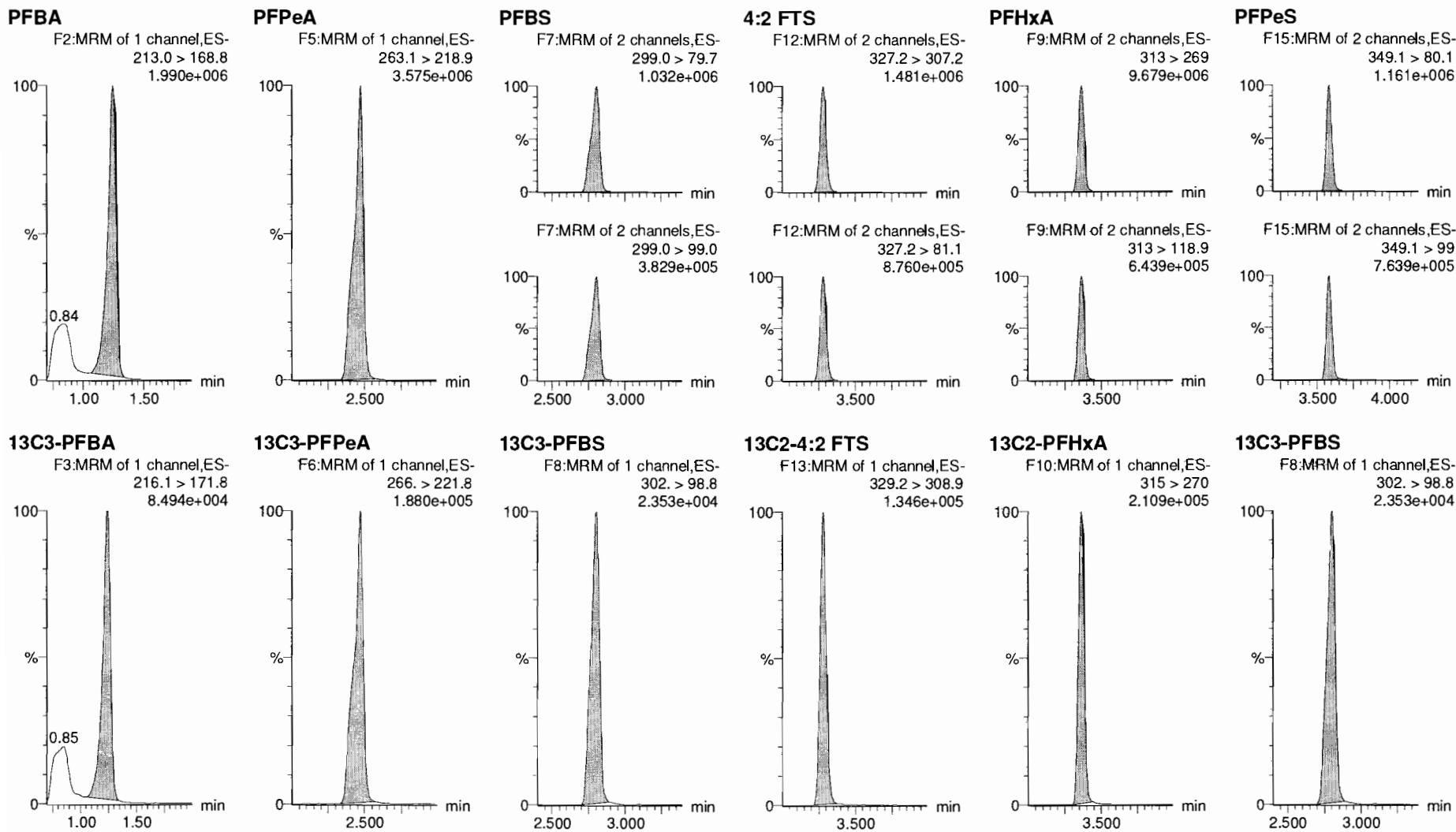
Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

1 AD 11/21/18

Name: 181126M1_10, Date: 26-Nov-2018, Time: 13:10:49, ID: ST181126M1-9 PFC CS6 18K1909, Description: PFC CS6 18K1909

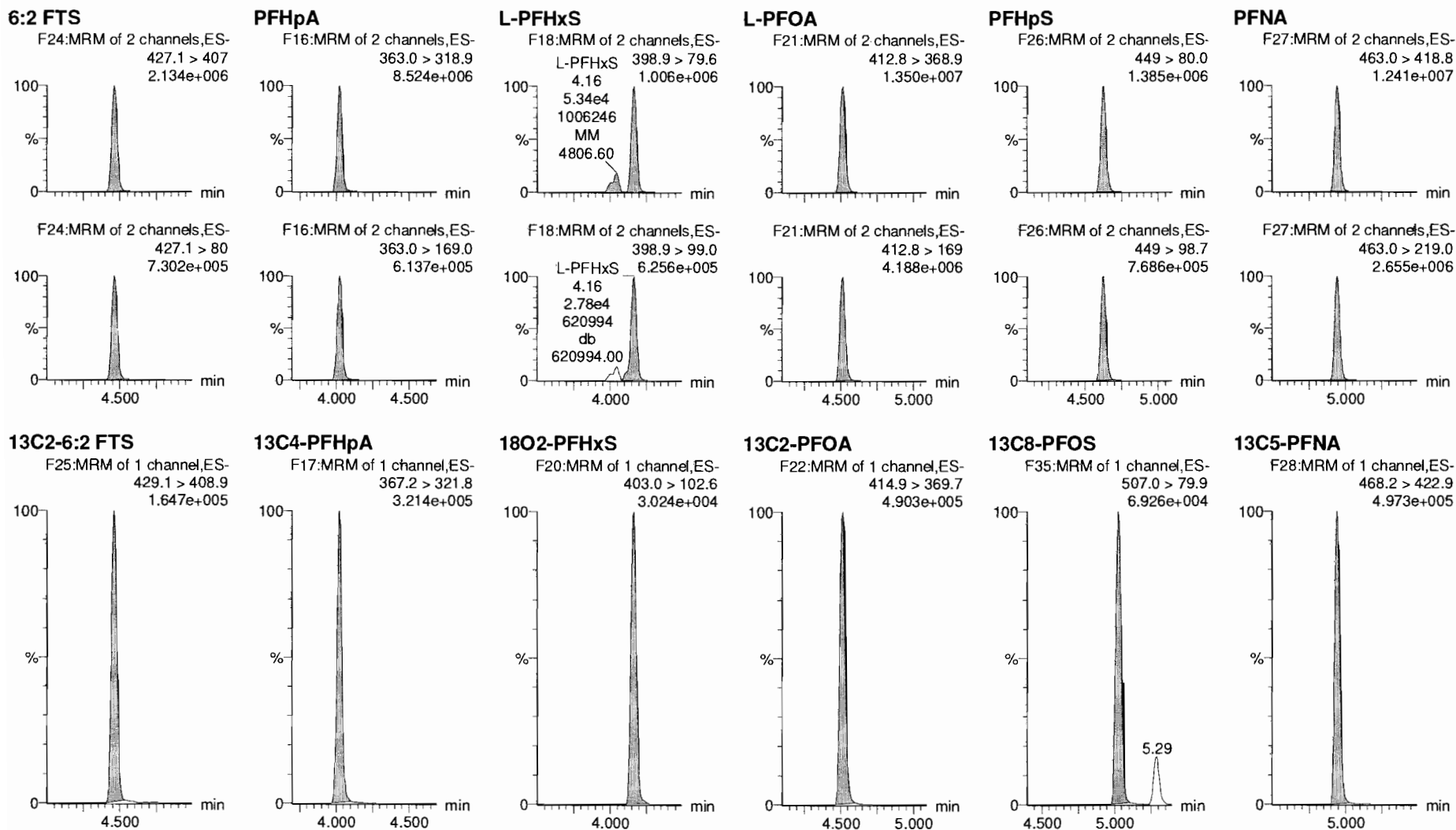


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_10, Date: 26-Nov-2018, Time: 13:10:49, ID: ST181126M2-9 PFC CS6 18K1909, Description: PFC CS6 18K1909

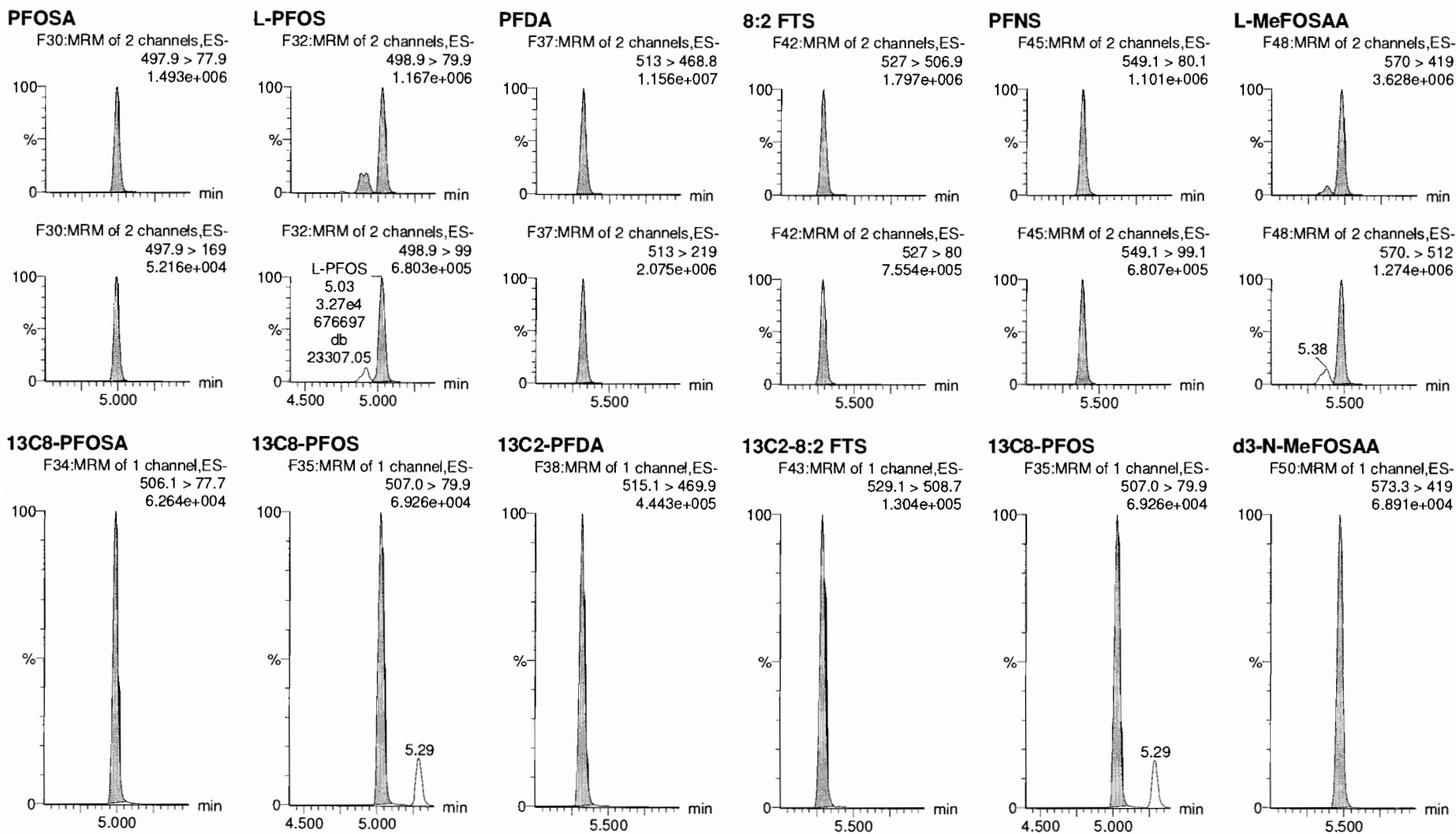


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

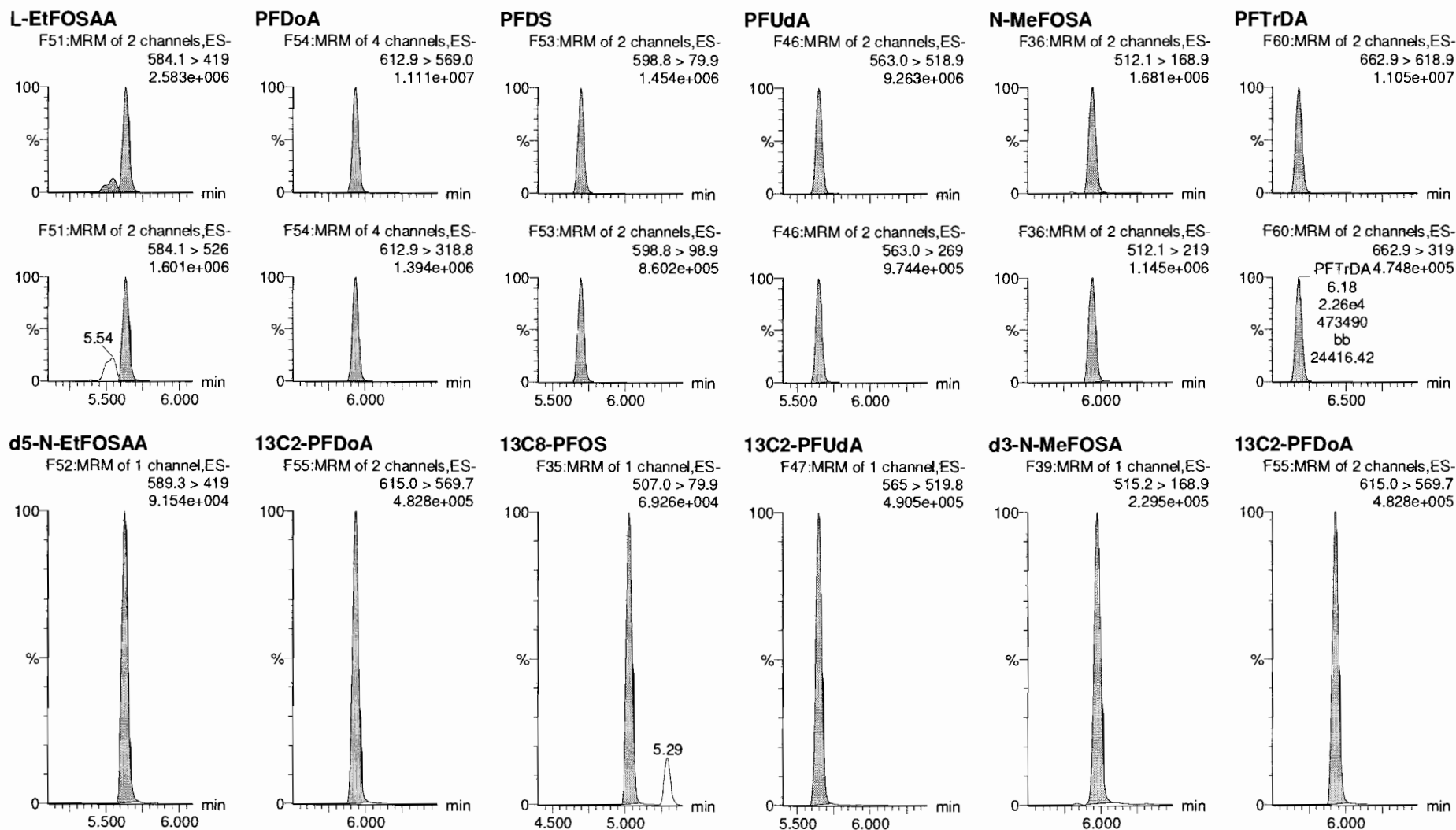
Name: 181126M1_10, Date: 26-Nov-2018, Time: 13:10:49, ID: ST181126M2-9 PFC CS6 18K1909, Description: PFC CS6 18K1909



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time
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Name: 181126M1_10, Date: 26-Nov-2018, Time: 13:10:49, ID: ST181126M2-9 PFC CS6 18K1909, Description: PFC CS6 18K1909

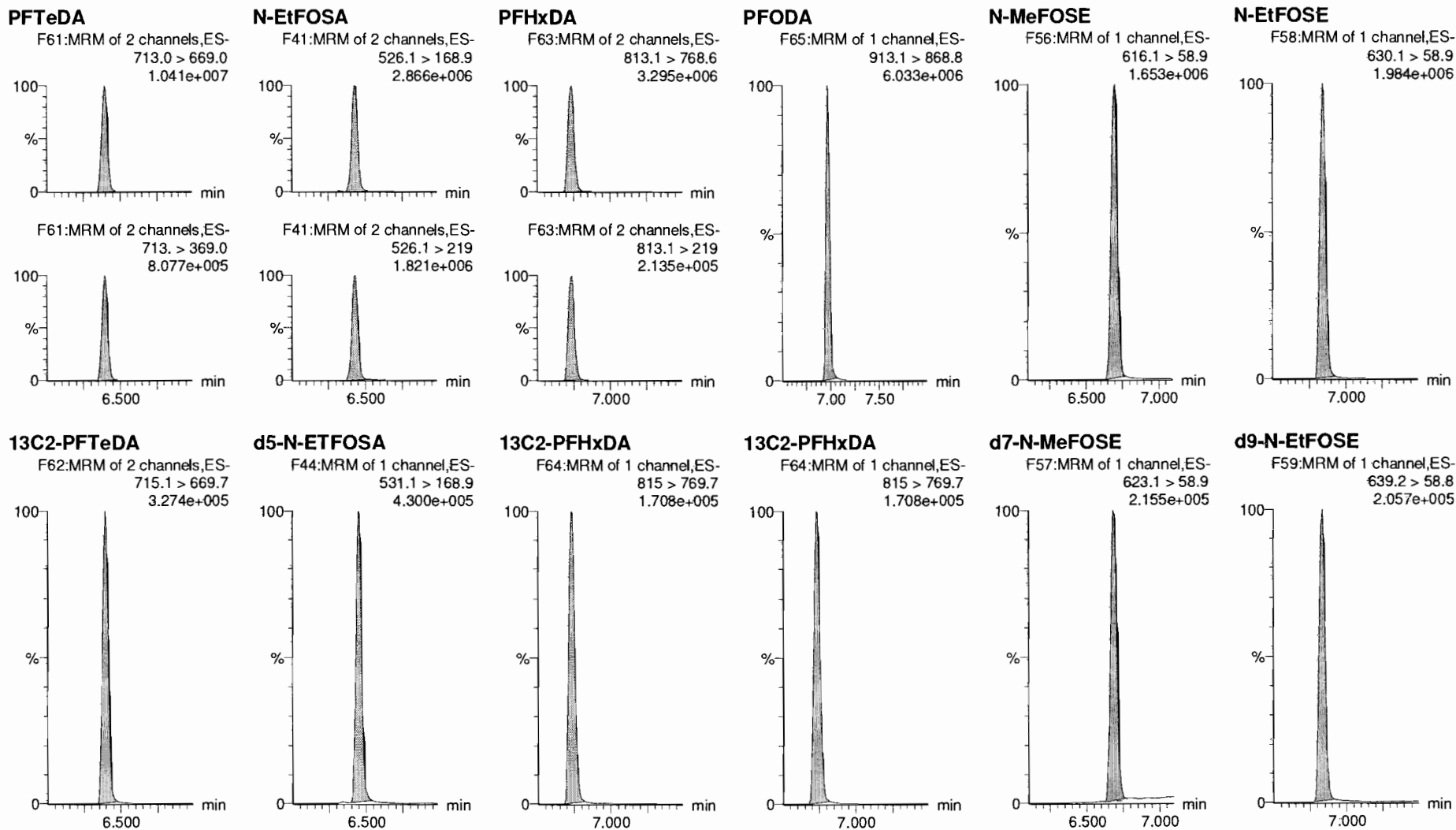


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:29:06 Pacific Standard Time

Printed: Monday, November 26, 2018 14:29:38 Pacific Standard Time

Name: 181126M1_10, Date: 26-Nov-2018, Time: 13:10:49, ID: ST181126M2-9 PFC CS6 18K1909, Description: PFC CS6 18K1909

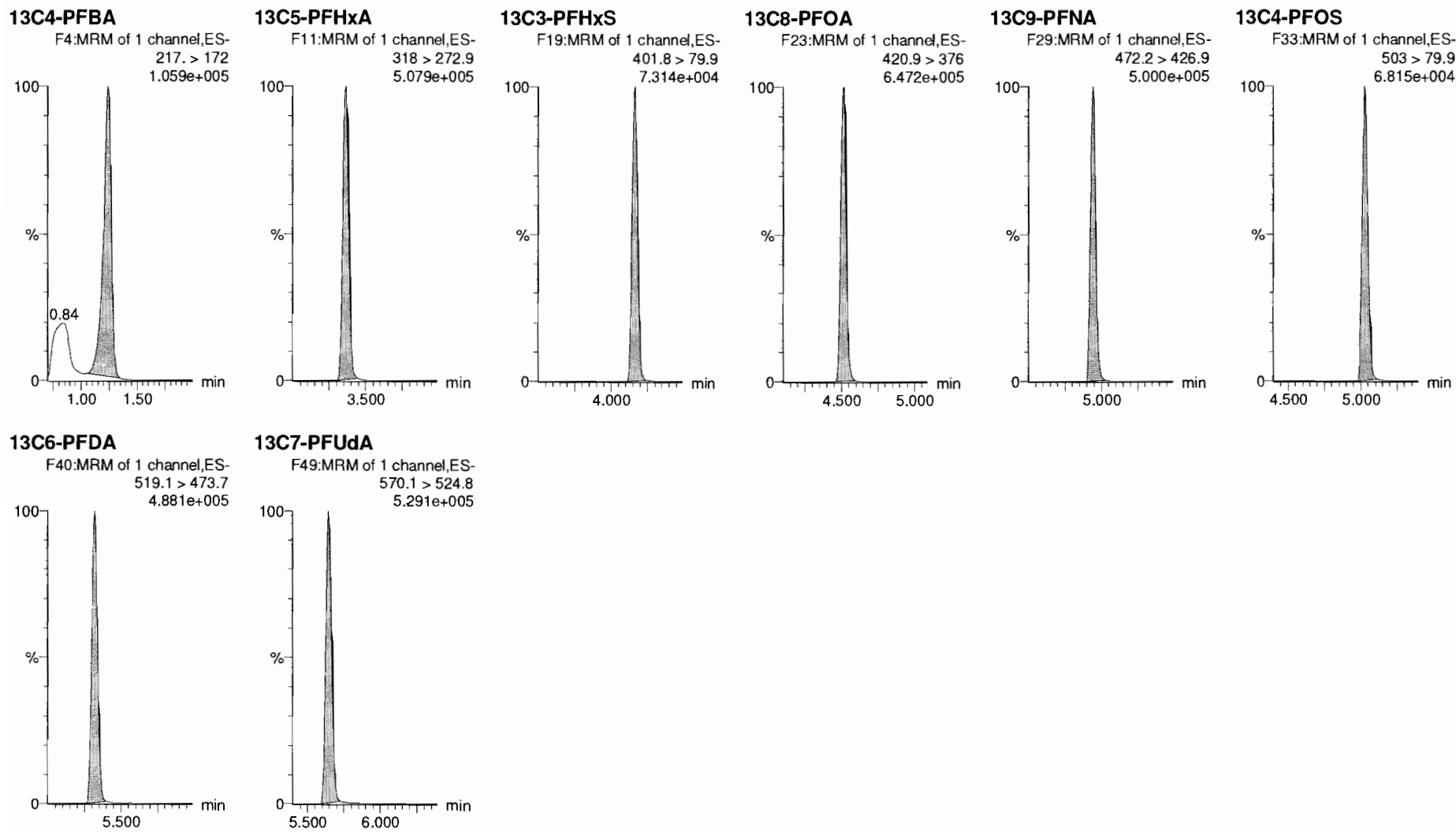


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_10, Date: 26-Nov-2018, Time: 13:10:49, ID: ST181126M2-9 PFC CS6 18K1909, Description: PFC CS6 18K1909



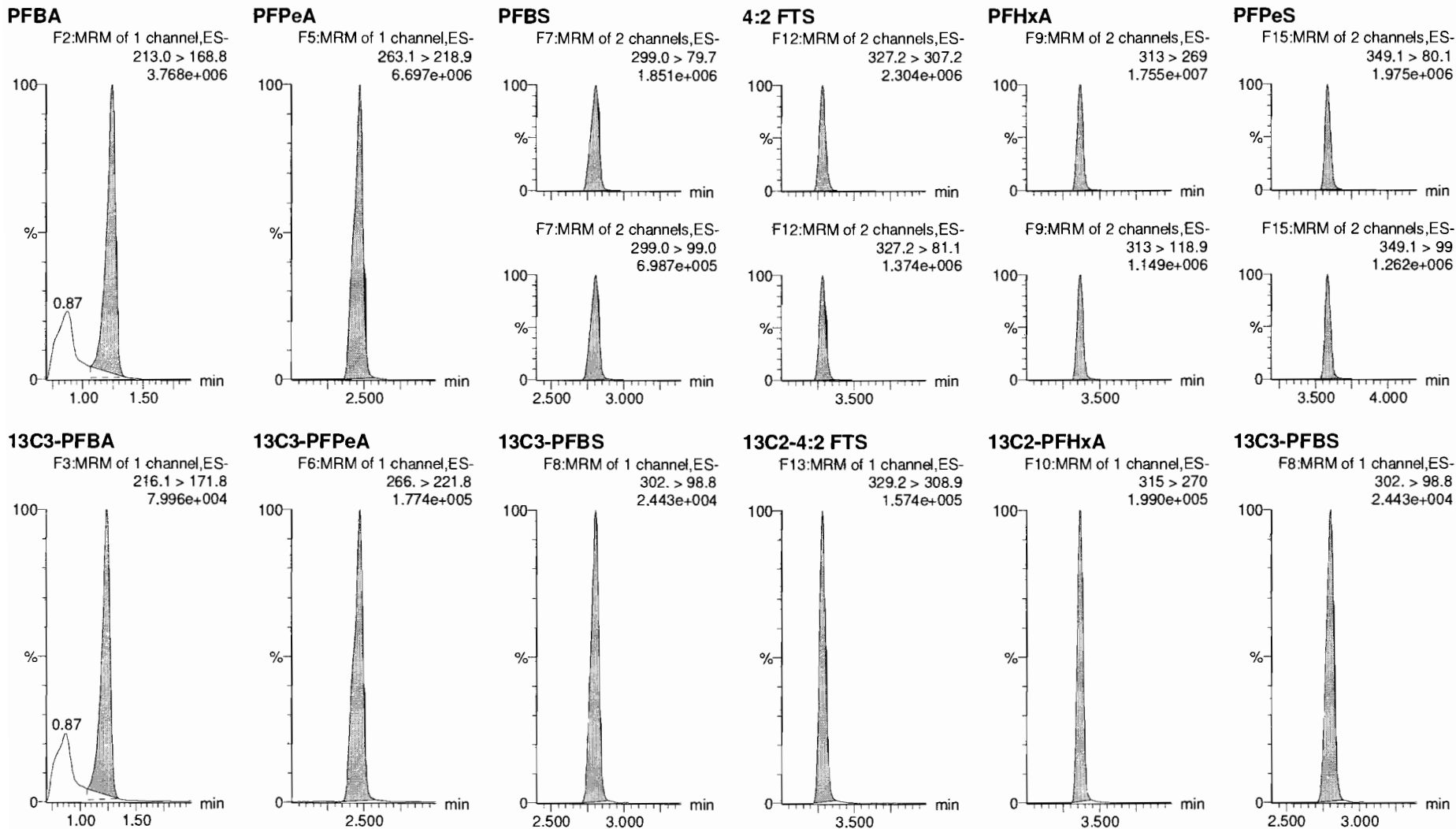
Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_11, Date: 26-Nov-2018, Time: 13:21:23, ID: ST181126M2-10 PFC CS7 18K1910, Description: PFC CS7 18K1910

AD 11/21/18



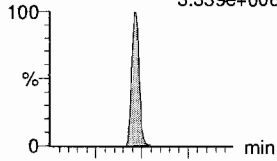
Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time
Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_11, Date: 26-Nov-2018, Time: 13:21:23, ID: ST181126M2-10 PFC CS7 18K1910, Description: PFC CS7 18K1910

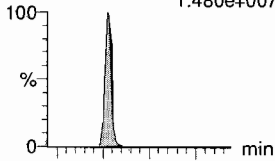
6:2 FTS

F24:MRM of 2 channels,ES-
427.1 > 407
3.339e+006



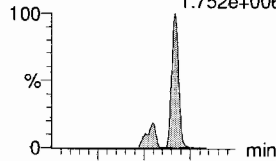
PFHpA

F16:MRM of 2 channels,ES-
363.0 > 318.9
1.480e+007



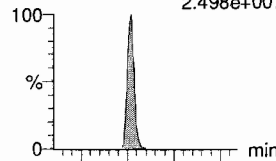
L-PFHxS

F18:MRM of 2 channels,ES-
398.9 > 79.6
1.752e+006



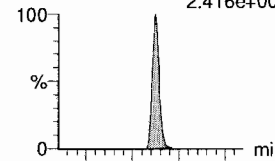
L-PFOA

F21:MRM of 2 channels,ES-
412.8 > 368.9
2.498e+007



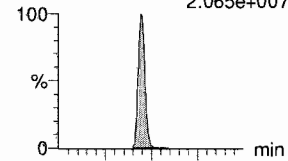
PFHpS

F26:MRM of 2 channels,ES-
449 > 80.0
2.416e+006

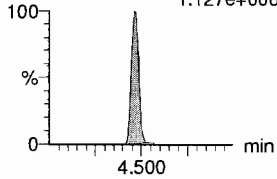


PFNA

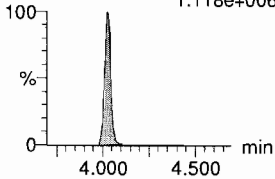
F27:MRM of 2 channels,ES-
463.0 > 418.8
2.065e+007



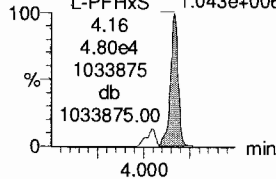
F24:MRM of 2 channels,ES-
427.1 > 80
1.127e+006



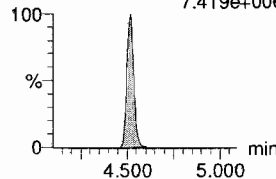
F16:MRM of 2 channels,ES-
363.0 > 169.0
1.118e+006



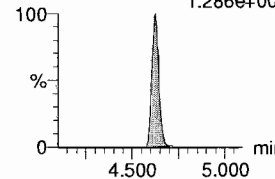
F18:MRM of 2 channels,ES-
398.9 > 99.0
1.043e+006



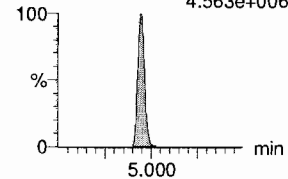
F21:MRM of 2 channels,ES-
412.8 > 169
7.419e+006



F26:MRM of 2 channels,ES-
449 > 98.7
1.286e+006

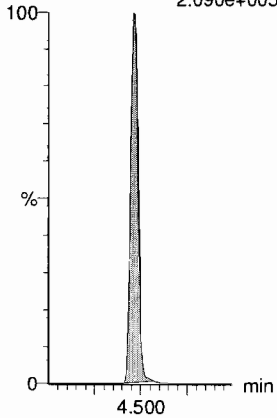


F27:MRM of 2 channels,ES-
463.0 > 219.0
4.563e+006



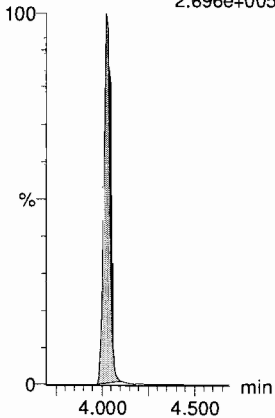
13C2-6:2 FTS

F25:MRM of 1 channel,ES-
429.1 > 408.9
2.090e+005



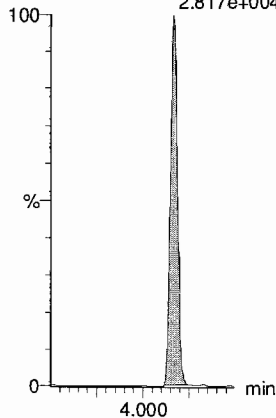
13C4-PFHpA

F17:MRM of 1 channel,ES-
367.2 > 321.8
2.896e+005



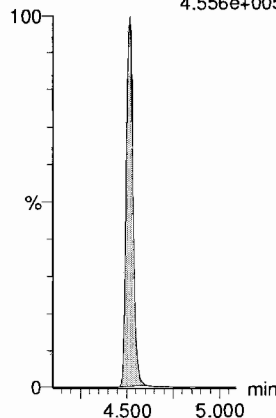
18O2-PFHxS

F20:MRM of 1 channel,ES-
403.0 > 102.6
2.817e+004



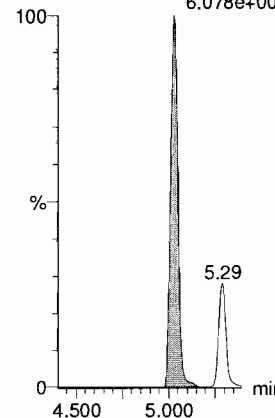
13C2-PFOA

F22:MRM of 1 channel,ES-
414.9 > 369.7
4.556e+005



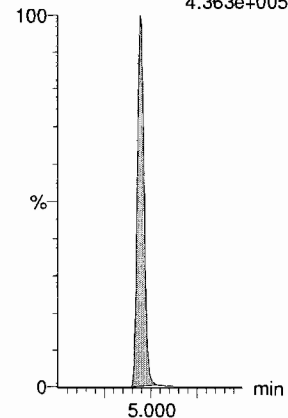
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
6.078e+004



13C5-PFNA

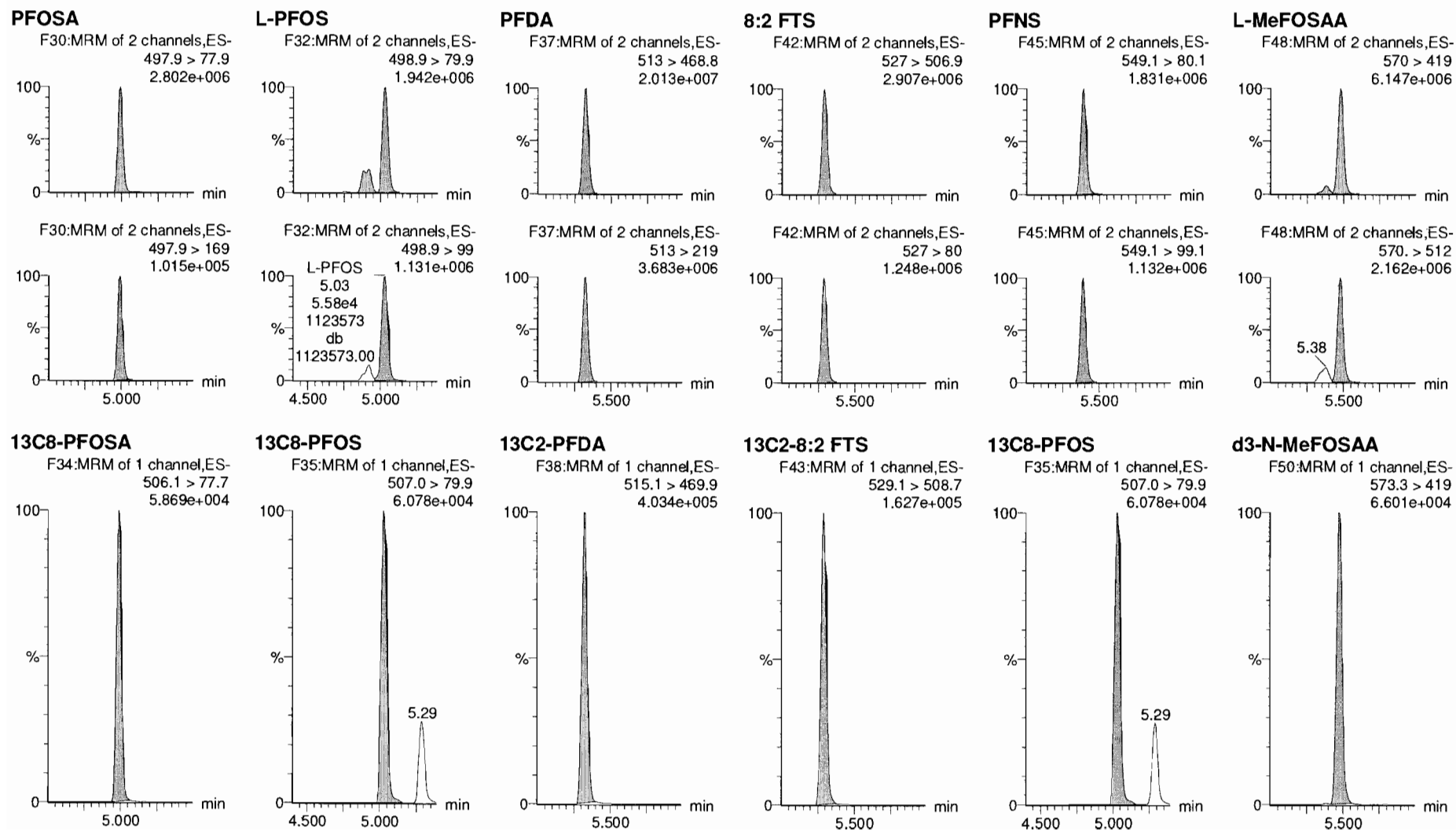
F28:MRM of 1 channel,ES-
468.2 > 422.9
4.363e+005



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

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Name: 181126M1_11, Date: 26-Nov-2018, Time: 13:21:23, ID: ST181126M2-10 PFC CS7 18K1910, Description: PFC CS7 18K1910



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

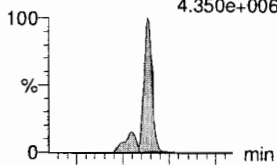
Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

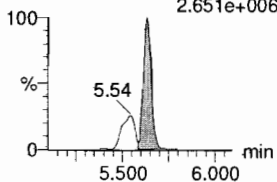
Name: 181126M1_11, Date: 26-Nov-2018, Time: 13:21:23, ID: ST181126M2-10 PFC CS7 18K1910, Description: PFC CS7 18K1910

L-EtFOSAA

F51:MRM of 2 channels,ES-
584.1 > 419
4.350e+006

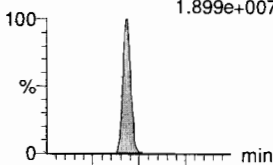


F51:MRM of 2 channels,ES-
584.1 > 526
2.651e+006

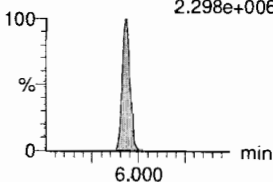


PFDoA

F54:MRM of 4 channels,ES-
612.9 > 569.0
1.899e+007

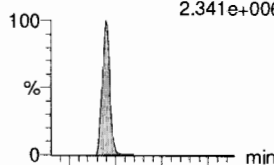


F54:MRM of 4 channels,ES-
612.9 > 318.8
2.298e+006

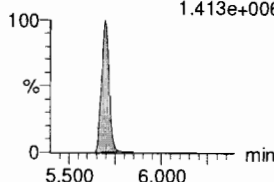


PFDS

F53:MRM of 2 channels,ES-
598.8 > 79.9
2.341e+006

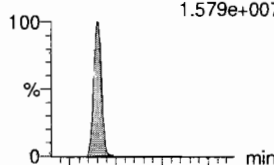


F53:MRM of 2 channels,ES-
598.8 > 98.9
1.413e+006

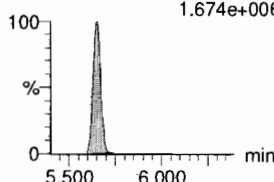


PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
1.579e+007

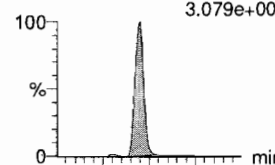


F46:MRM of 2 channels,ES-
563.0 > 269
1.674e+006

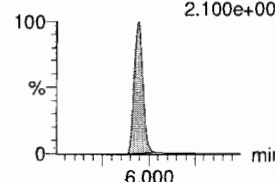


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
3.079e+006

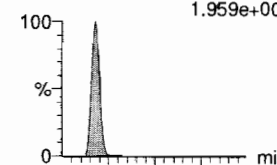


F36:MRM of 2 channels,ES-
512.1 > 219
2.100e+006

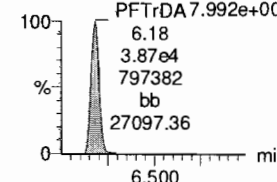


PFTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
1.959e+007

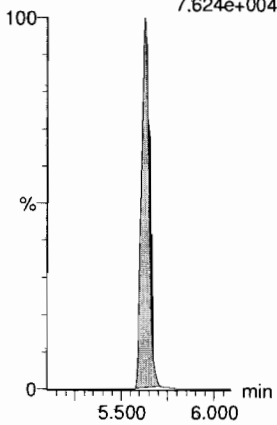


F60:MRM of 2 channels,ES-
662.9 > 319
7.992e+005



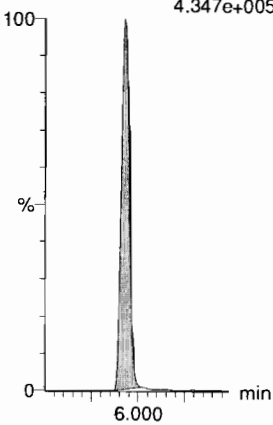
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
7.624e+004



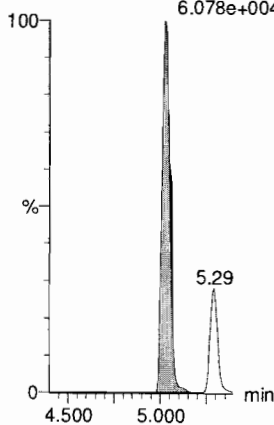
13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
4.347e+005



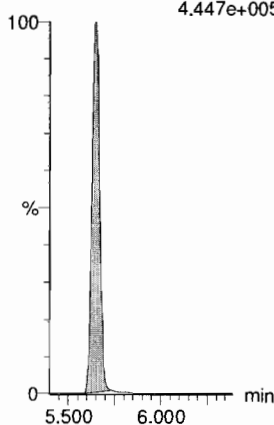
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
6.078e+004



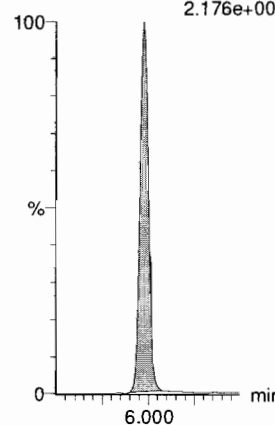
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
4.447e+005



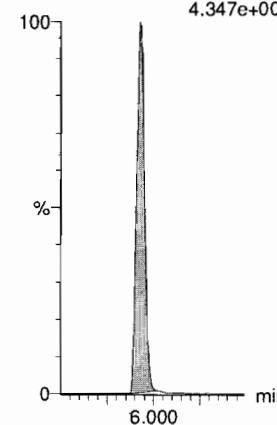
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
2.176e+005



13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
4.347e+005

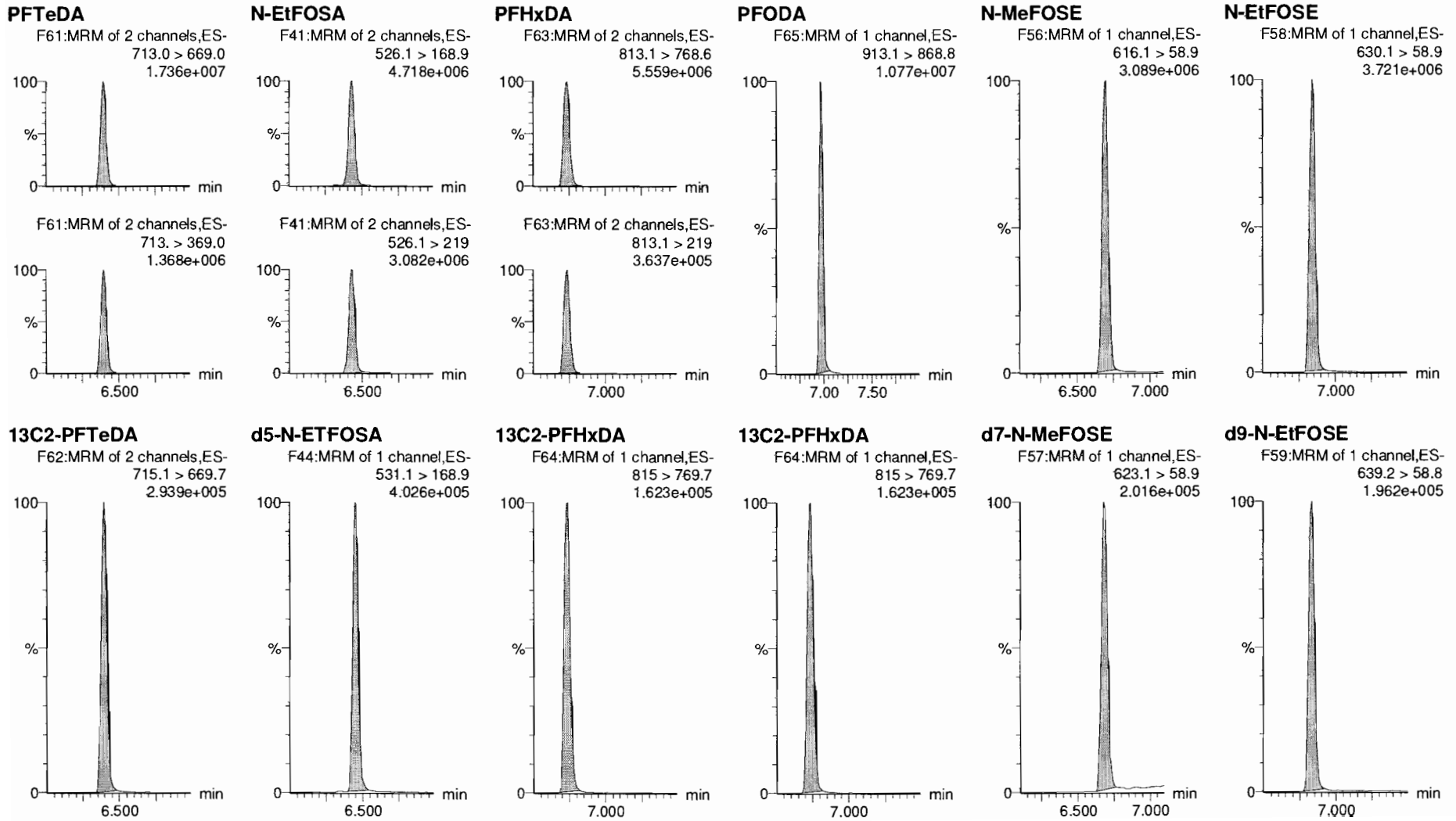


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-CRV.qld

Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_11, Date: 26-Nov-2018, Time: 13:21:23, ID: ST181126M2-10 PFC CS7 18K1910, Description: PFC CS7 18K1910

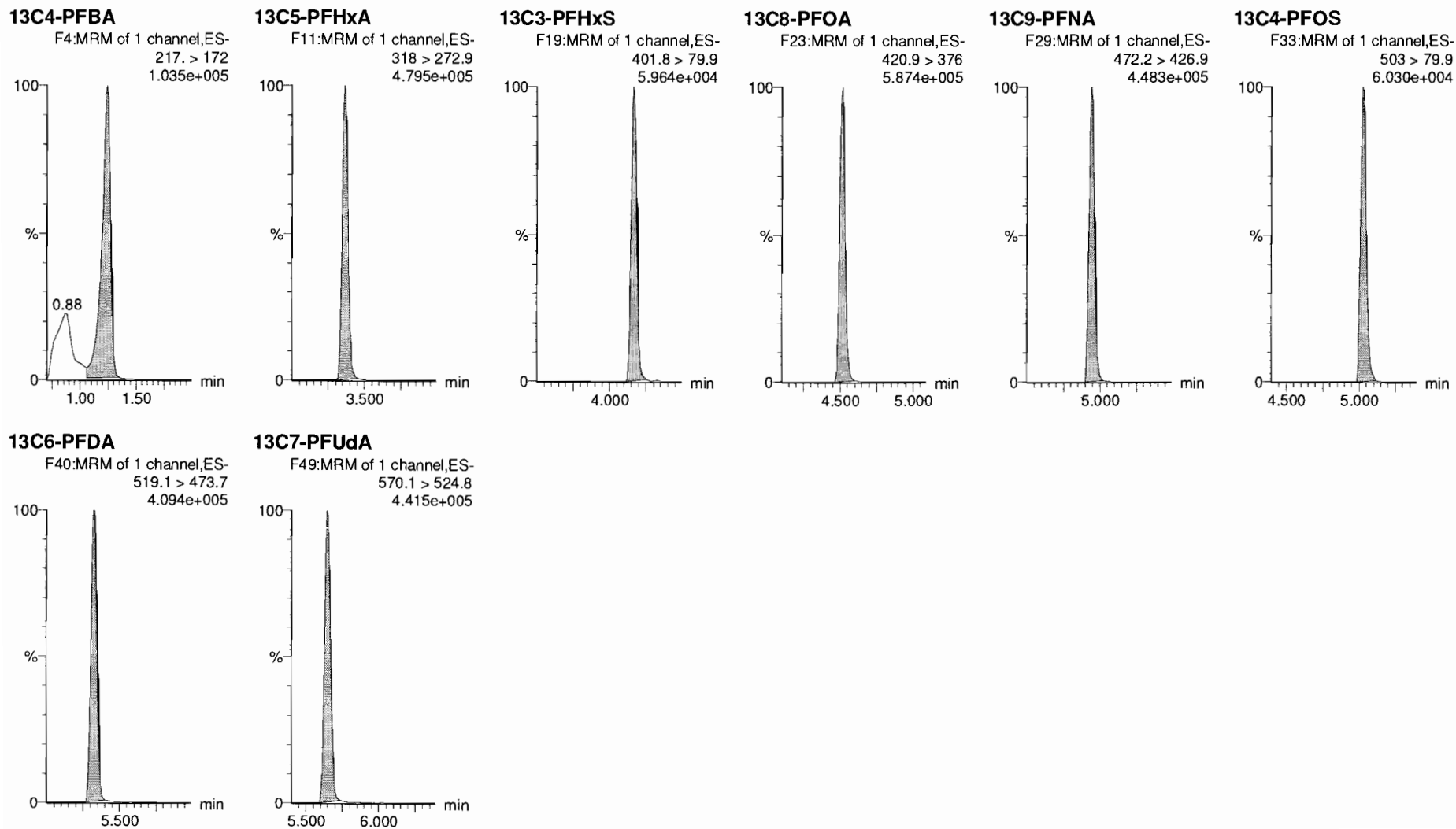


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Last Altered: Monday, November 26, 2018 14:09:42 Pacific Standard Time

Printed: Monday, November 26, 2018 14:14:21 Pacific Standard Time

Name: 181126M1_11, Date: 26-Nov-2018, Time: 13:21:23, ID: ST181126M2-10 PFC CS7 18K1910, Description: PFC CS7 18K1910



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-ICV.qld

Last Altered: Monday, November 26, 2018 14:55:41 Pacific Standard Time

Printed: Monday, November 26, 2018 14:56:11 Pacific Standard Time

AD 11/27/18

Name: 181126M1_13, Date: 26-Nov-2018, Time: 13:42:34, ID: ICV181126M1-1 PFC ICV 18K1911, Description: PFC ICV 18K1911

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	6577.573	6755.113	1.00	1.25	12.171	10.4	103.9	NO		
2	2 PFPeA	263.1 > 218.9	10646.053	13565.366	1.00	2.47	9.810	10.3	103.0	NO		
3	3 PFBS	299.0 > 79.7	2508.497	1757.272	1.00	2.81	17.844	8.6	86.4	NO	2.659	NO
4	4 4:2 FTS	327.2>307.2	3703.077	4459.432	1.00	3.28	10.380	9.9	99.3	NO	1.683	NO
5	5 PFHxA	313 > 269	19380.766	9400.432	1.00	3.37	10.308	10.9	108.9	NO	15.956	NO
6	6 PFPeS	349.1>80.1	2114.221	1757.272	1.00	3.59	15.039	9.0	90.0	NO	1.469	NO
7	36 13C3-PFBA	216.1 > 171.8	6755.113	8527.464	1.00	1.25	9.902	12.6	100.6	NO		
8	37 13C3-PFPeA	266. > 221.8	13565.366	25112.967	1.00	2.47	6.752	12.1	97.2	NO		
9	38 13C3-PFBS	302. > 98.8	1757.272	3191.469	1.00	2.81	6.883	12.8	102.5	NO		
10	39 13C2-4:2 FTS	329.2>308.9	4459.432	3191.469	1.00	3.28	17.466	11.8	94.5	NO		
11	40 13C2-PFHxA	315 > 270	9400.432	25112.967	1.00	3.37	4.679	4.7	94.7	NO		
12	38 13C3-PFBS	302. > 98.8	1757.272	3191.469	1.00	2.81	6.883	12.8	102.5	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	4605.992	4866.180	1.00	4.47	11.832	9.5	94.9	NO	2.889	NO
15	7 PFHpA	363.0 > 318.9	14161.893	13335.422	1.00	4.03	13.275	10.1	100.8	NO	13.955	NO
16	8 L-PFHxS	398.9 > 79.6	2162.868	1387.085	1.00	4.17	19.491	10.0	100.2	NO	1.736	NO
17	11 L-PFOA	412.8 > 368.9	26048.725	21999.895	1.00	4.52	14.800	10.8	107.9	NO	3.312	NO
18	13 PFHpS	449 > 80.0	2484.088	3481.192	1.00	4.63	8.920	9.5	95.1	NO	1.889	NO
19	14 PFNA	463.0 > 418.8	21775.484	21647.838	1.00	4.95	12.574	10.0	100.3	NO	4.687	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	4866.180	3201.922	1.00	4.47	18.997	12.2	97.2	NO		
21	41 13C4-PFHpA	367.2 > 321.8	13335.422	25112.967	1.00	4.03	6.638	12.4	99.0	NO		
22	42 18O2-PFHxS	403.0 > 102.6	1387.085	3191.469	1.00	4.17	5.433	12.1	97.0	NO		
23	44 13C2-PFOA	414.9 > 369.7	21999.895	29368.645	1.00	4.52	9.364	12.4	99.2	NO		
24	47 13C8-PFOS	507.0 > 79.9	3481.192	3201.922	1.00	5.03	13.590	13.0	104.4	NO		
25	45 13C5-PFNA	468.2 > 422.9	21647.838	21297.207	1.00	4.95	12.706	12.8	102.6	NO		
26	-1											
27	15 PFOSA	497.9 > 77.9	2450.302	2482.326	1.00	4.99	12.339	10.8	108.4	NO	22.816	NO
28	16 L-PFOS	498.9 > 79.9	2884.358	3481.192	1.00	5.03	10.357	9.4	94.2	NO	1.878	NO
29	18 PFDA	513 > 468.8	22482.363	20471.270	1.00	5.33	13.728	10.4	104.4	NO	5.453	NO
30	19 8:2 FTS	527 > 506.9	4350.170	3537.528	1.00	5.29	15.372	10.2	101.7	NO	2.420	NO
31	20 PFNS	549.1 > 80.1	2061.916	3481.192	1.00	5.39	7.404	9.7	96.5	NO	1.686	NO
32	21 L-MeFOSAA	570 > 419	9799.923	3489.177	1.00	5.48	35.108	12.1	120.8	NO	2.899	NO
33	46 13C8-PFOSA	506.1 > 77.7	2482.326	27217.928	1.00	4.99	1.140	11.7	93.9	NO		
34	47 13C8-PFOS	507.0 > 79.9	3481.192	3201.922	1.00	5.03	13.590	13.0	104.4	NO		
35	48 13C2-PFDA	515.1 > 469.9	20471.270	22865.025	1.00	5.33	11.191	12.4	99.2	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	3537.528	3201.922	1.00	5.29	13.810	11.7	93.8	NO		

*JC
11/26/18*

*AD
11/26/18*

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-ICV.qld

Last Altered: Monday, November 26, 2018 14:55:41 Pacific Standard Time

Printed: Monday, November 26, 2018 14:56:11 Pacific Standard Time

(A) Not present in ICV - AD 11/26/18

Name: 181126M1_13, Date: 26-Nov-2018, Time: 13:42:34, ID: ICV181126M2-1 PFC ICV 18K1911, Description: PFC ICV 18K1911

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47 13C8-PFOS	507.0 > 79.9	3481.192	3201.922	1.00	5.03	13.590	13.0	104.4	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	3489.177	27217.928	1.00	5.48	1.602	11.9	95.2	NO		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	8204.304	4919.687	1.00	5.64	20.846	12.9	128.6	NO	1.609	NO
41	27 PFD _o A	612.9 > 569.0	22903.582	24200.867	1.00	5.93	11.830	10.1	101.4	NO	8.422	NO
42	26 PFDS	598.8 > 79.9	2813.984	3481.192	1.00	5.70	10.104	9.6	96.3	NO	1.635	NO
43	25 PFUdA	563.0 > 518.9	19763.930	25231.500	1.00	5.65	9.791	10.0	100.4	NO	9.299	NO
44	28 N-MeFOSA	512.1 > 168.9		10839.260	1.00					NO		
45	29 PFT _r DA	662.9 > 618.9	22992.322	24200.867	1.00	6.18	11.876	10.2	102.2	NO	24.625	NO
46	52 d5-N-EtFOSAA	589.3 > 419	4919.687	27217.928	1.00	5.63	2.259	12.2	97.6	NO		
47	53 13C2-PFD _o A	615.0 > 569.7	24200.867	22865.025	1.00	5.93	13.230	12.6	101.1	NO		
48	47 13C8-PFOS	507.0 > 79.9	3481.192	3201.922	1.00	5.03	13.590	13.0	104.4	NO		
49	51 13C2-PFUdA	565 > 519.8	25231.500	27217.928	1.00	5.65	11.588	12.1	96.8	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	10839.260	27217.928	1.00	5.98	4.978	135.6	90.4	NO		
51	53 13C2-PFD _o A	615.0 > 569.7	24200.867	22865.025	1.00	5.93	13.230	12.6	101.1	NO		
52	-1											
53	30 PFT _e DA	713.0 > 669.0	20084.904	14715.695	1.00	6.40	17.061	10.4	104.4	NO	13.106	NO
54	31 N-EtFOSA	526.1 > 168.9		18693.453	1.00					NO		
55	32 PFH _x DA	813.1 > 768.6		7897.161	1.00					NO		
56	33 PFODA	913.1 > 868.8		7897.161	1.00					NO		
57	34 N-MeFOSE	616.1 > 58.9		9061.089	1.00					NO		
58	35 N-EtFOSE	630.1 > 58.9		8726.196	1.00					NO		
59	55 13C2-PFT _e DA	715.1 > 669.7	14715.695	27217.928	1.00	6.40	6.758	11.9	95.4	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	18693.453	27217.928	1.00	6.45	8.585	147.2	98.1	NO		
61	57 13C2-PFH _x DA	815 > 769.7	7897.161	27217.928	1.00	6.74	3.627	4.9	97.3	NO		
62	57 13C2-PFH _x DA	815 > 769.7	7897.161	27217.928	1.00	6.74	3.627	4.9	97.3	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	9061.089	27217.928	1.00	6.68	4.161	131.5	87.7	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	8726.196	27217.928	1.00	6.83	4.008	134.4	89.6	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	8527.464	8527.464	1.00	1.24	12.500	12.5	100.0	NO		
67	61 13C5-PFH _x A	318 > 272.9	25112.967	25112.967	1.00	3.37	12.500	12.5	100.0	NO		
68	62 13C3-PFH _x S	401.8 > 79.9	3191.469	3191.469	1.00	4.17	12.500	12.5	100.0	NO		
69	63 13C8-PFOA	420.9 > 376	29368.645	29368.645	1.00	4.52	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	21297.207	21297.207	1.00	4.95	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	3201.922	3201.922	1.00	5.03	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	22865.025	22865.025	1.00	5.33	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-ICV.qld

Last Altered: Monday, November 26, 2018 14:55:41 Pacific Standard Time

Printed: Monday, November 26, 2018 14:56:11 Pacific Standard Time

Name: 181126M1_13, Date: 26-Nov-2018, Time: 13:42:34, ID: ICV181126M2-1 PFC ICV 18K1911, Description: PFC ICV 18K1911

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery...	Ion Ratio	Ratio Out?
73	67 13C7-PFUdA	570.1 > 524.8	27217.928	27217.928	1.00	5.65	12.500	12.5	100.0		NO	

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Last Altered: Monday, November 26, 2018 14:55:41 Pacific Standard Time

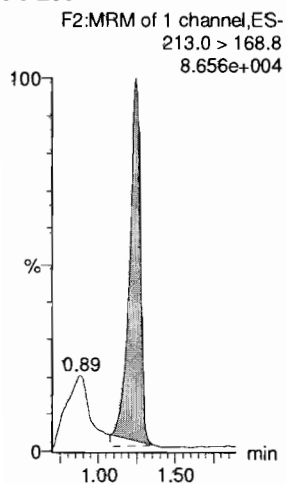
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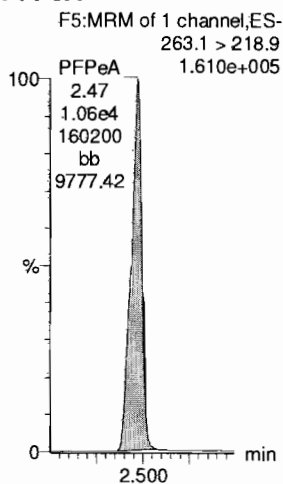
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Name: 181126M1_13, Date: 26-Nov-2018, Time: 13:42:34, ID: ICV181126M2-1 PFC ICV 18K1911, Description: PFC ICV 18K1911

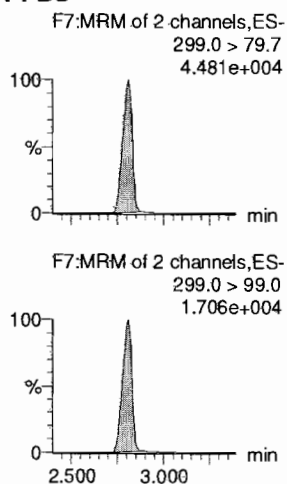
PFBA



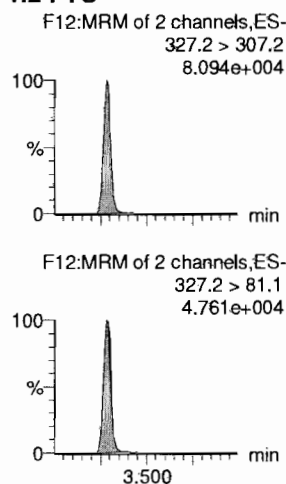
PFPeA



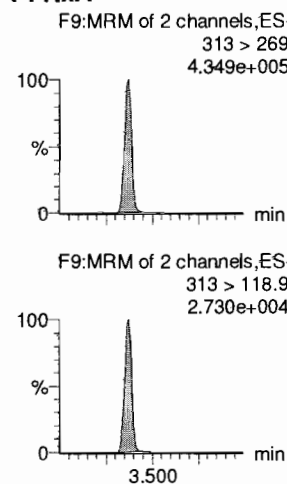
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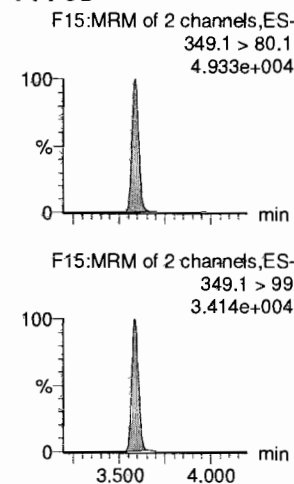
4:2 FTS



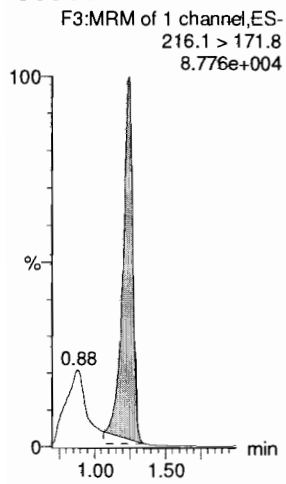
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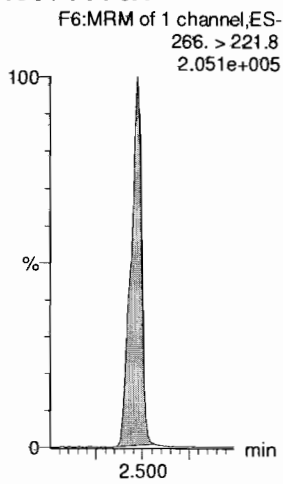
PFPeS



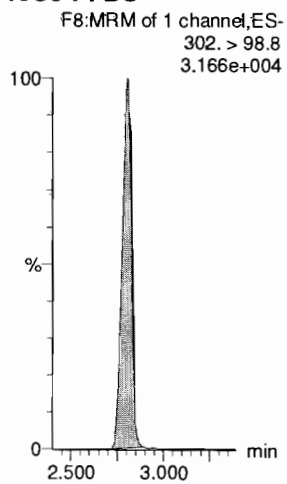
13C3-PFBA



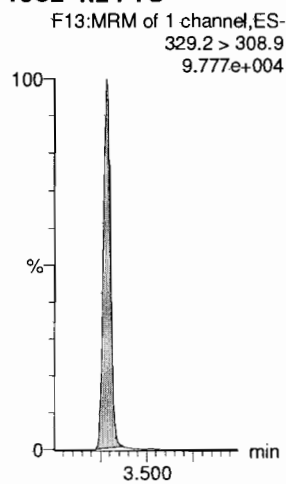
13C3-PFPeA



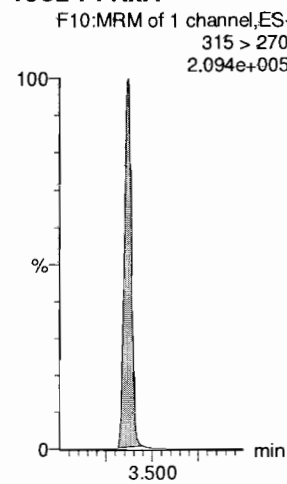
13C3-PFBS



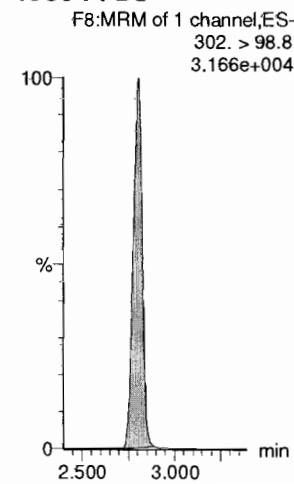
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

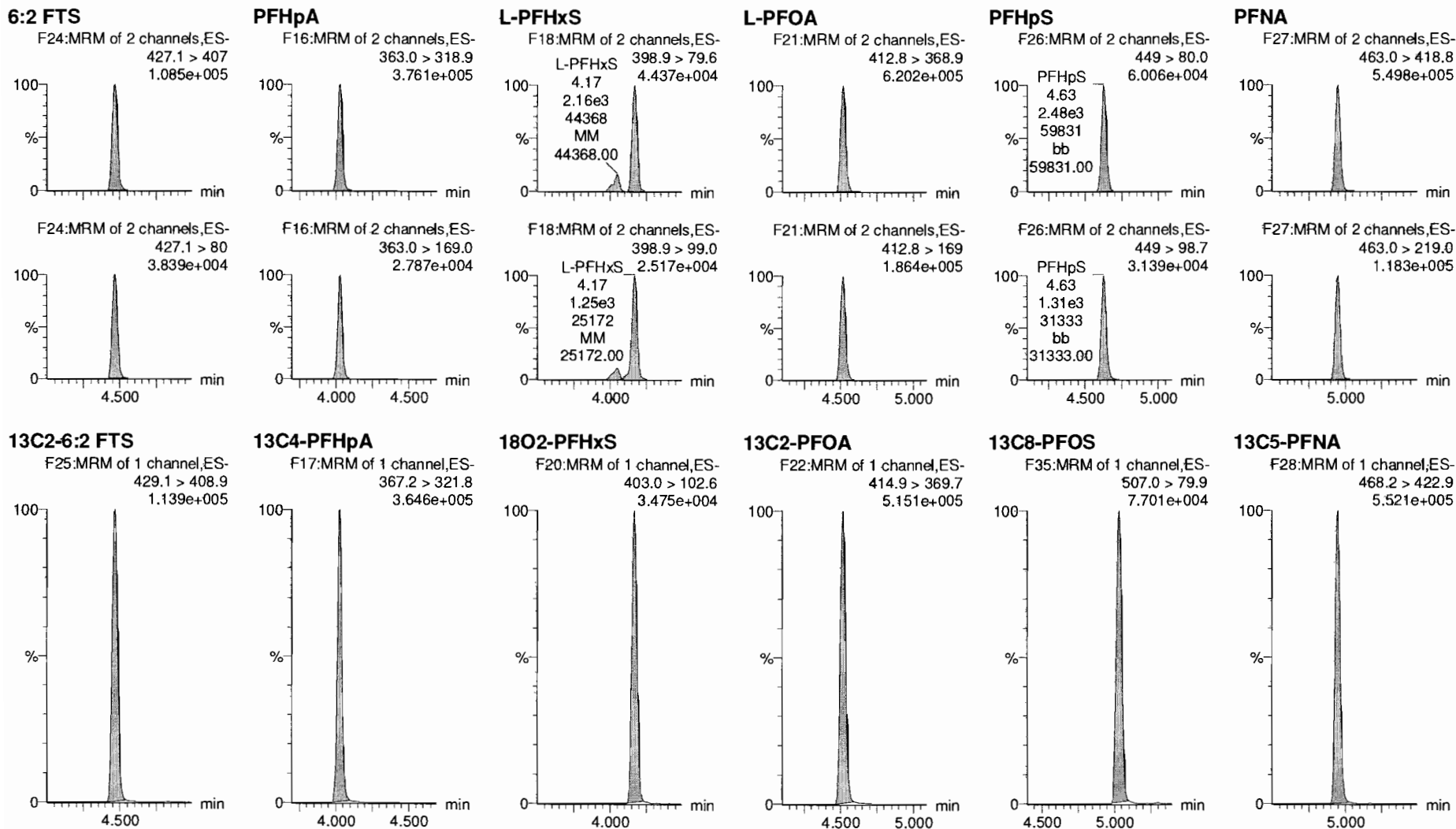


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Printed: Monday, November 26, 2018 14:56:11 Pacific Standard Time

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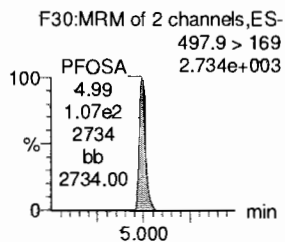
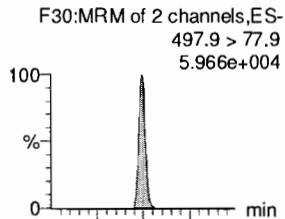
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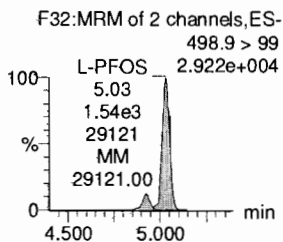
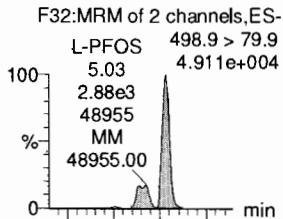
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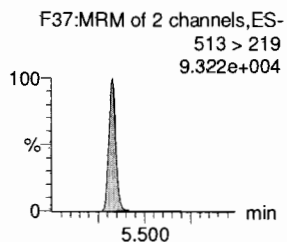
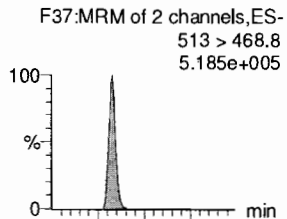
PFOSA



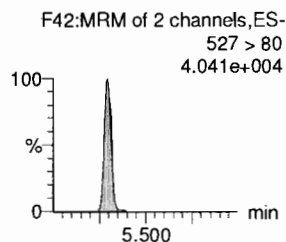
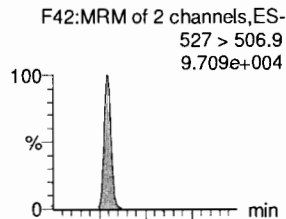
L-PFOS



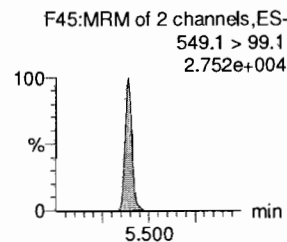
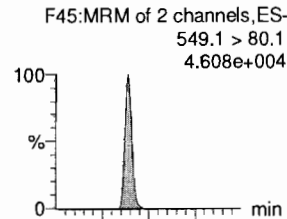
PFDA



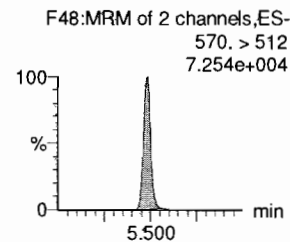
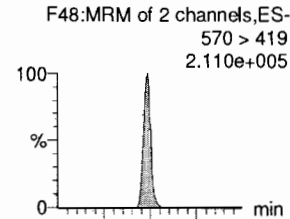
8:2 FTS



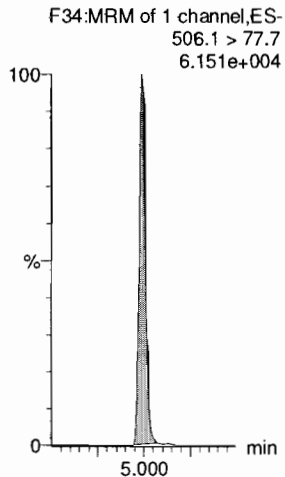
PFNS



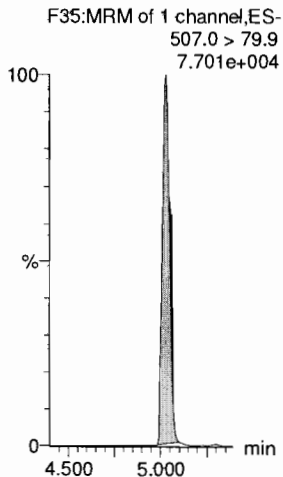
L-MeFOSAA



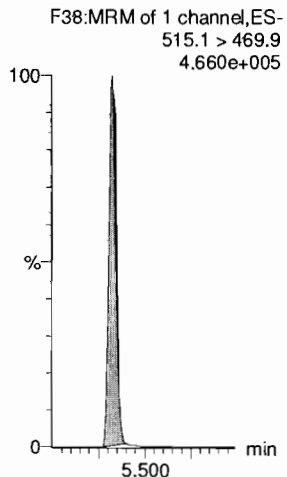
13C8-PFOSA



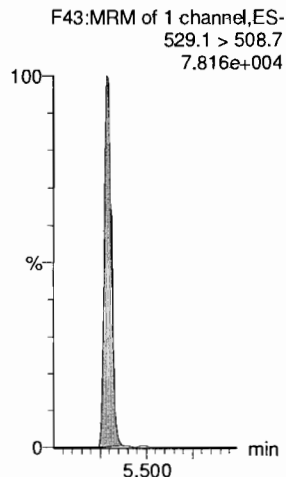
13C8-PFOS



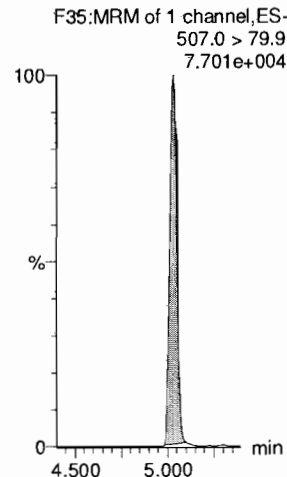
13C2-PFDA



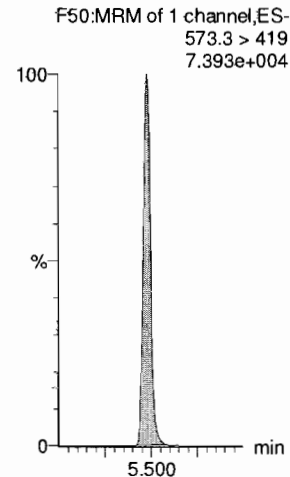
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

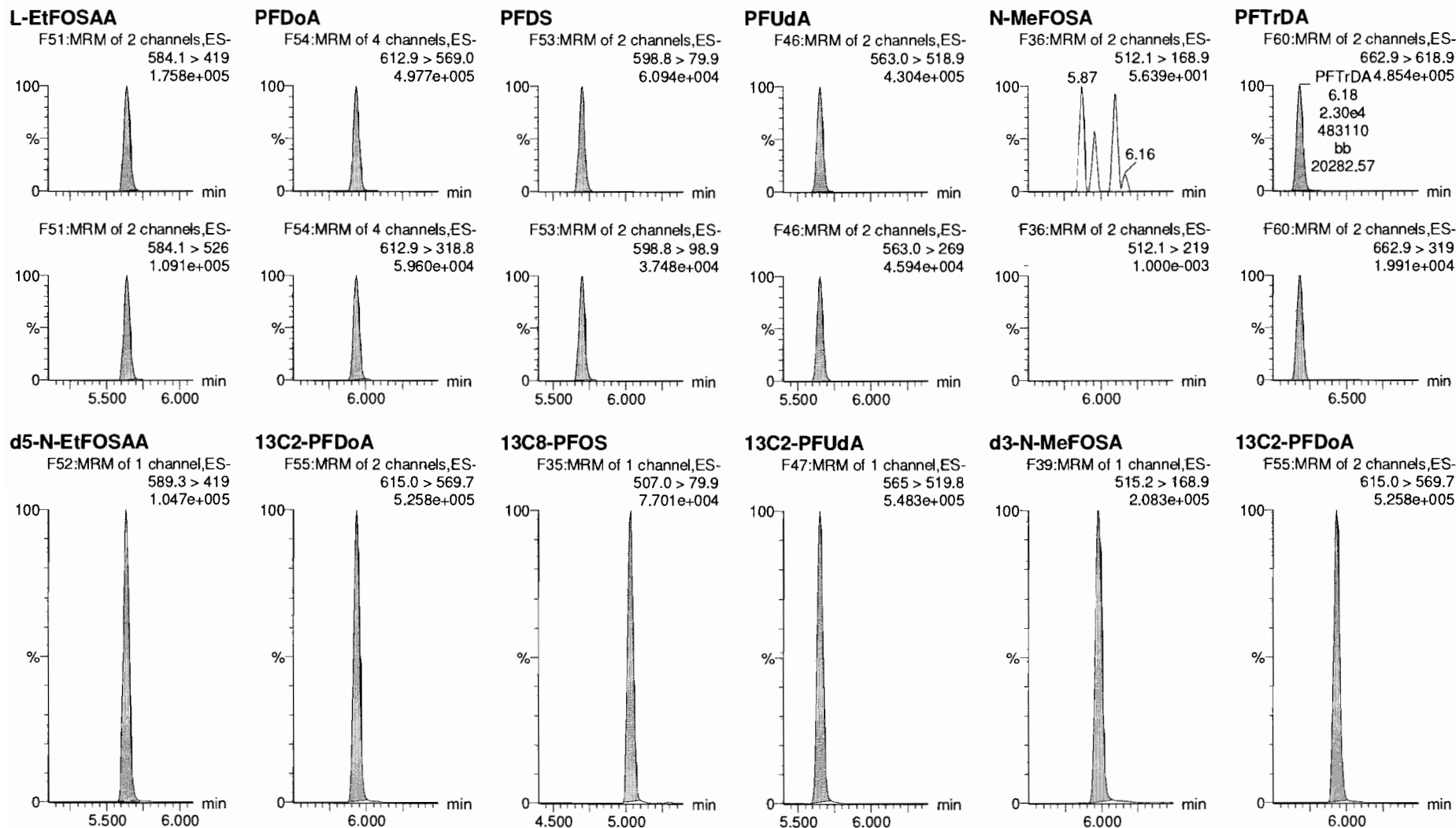


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Printed: Monday, November 26, 2018 14:56:11 Pacific Standard Time

Name: 181126M1_13, Date: 26-Nov-2018, Time: 13:42:34, ID: ICV181126M2-1 PFC ICV 18K1911, Description: PFC ICV 18K1911

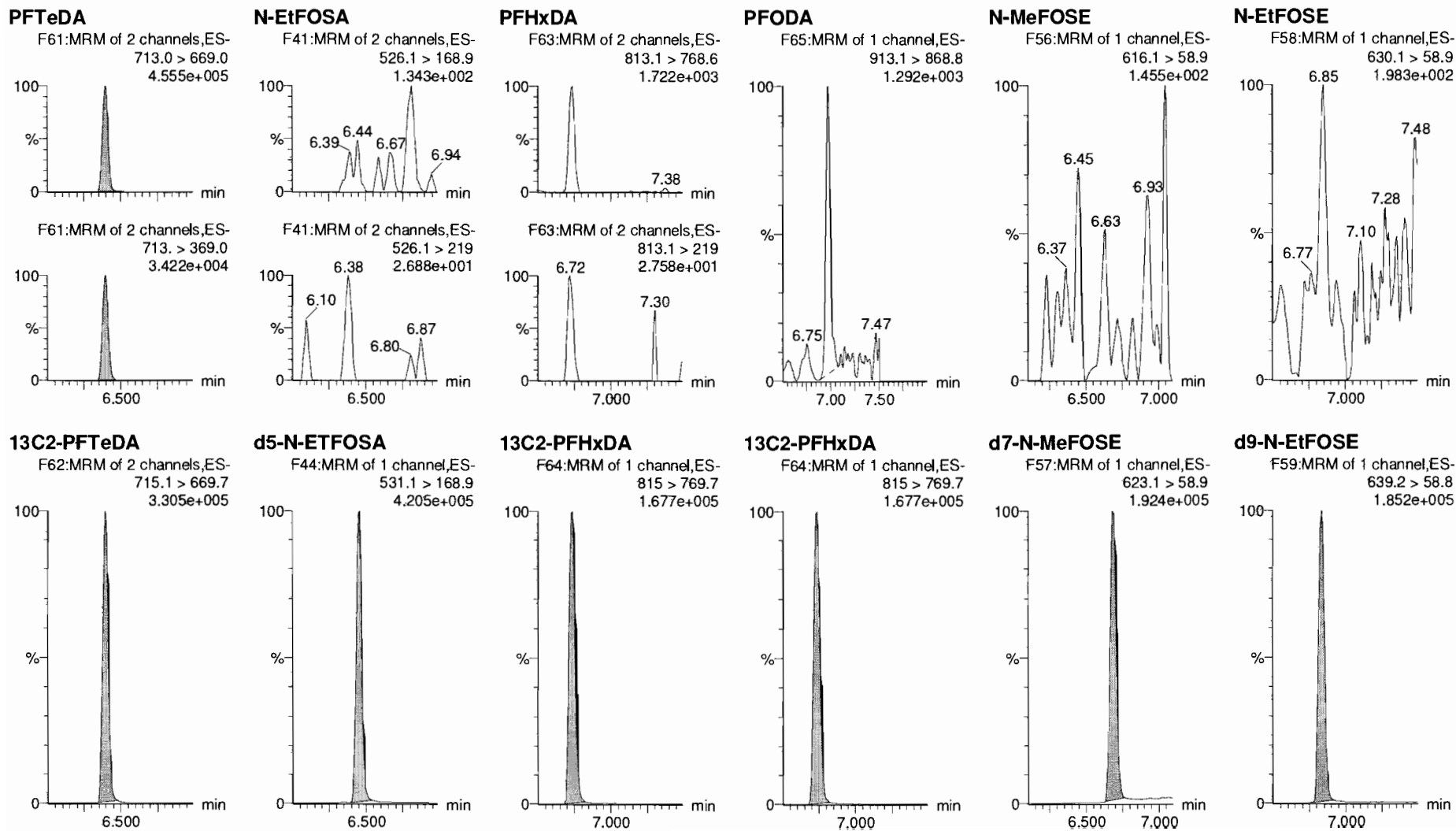


Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-ICV.qld

Last Altered: Monday, November 26, 2018 14:55:41 Pacific Standard Time

Printed: Monday, November 26, 2018 14:56:11 Pacific Standard Time

Name: 181126M1_13, Date: 26-Nov-2018, Time: 13:42:34, ID: ICV181126M2-1 PFC ICV 18K1911, Description: PFC ICV 18K1911



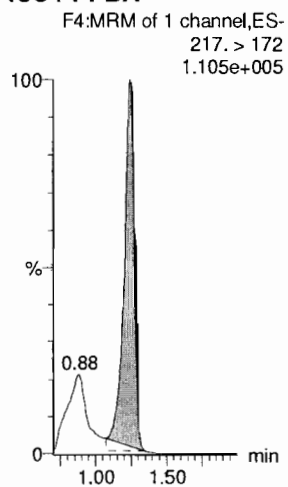
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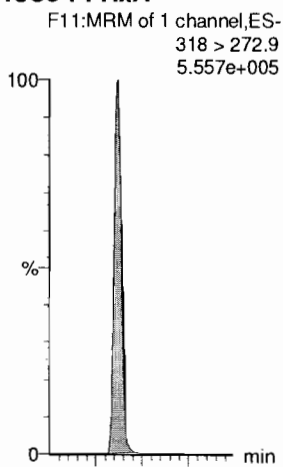
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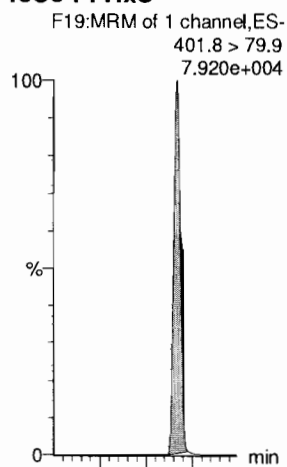
13C4-PFBA



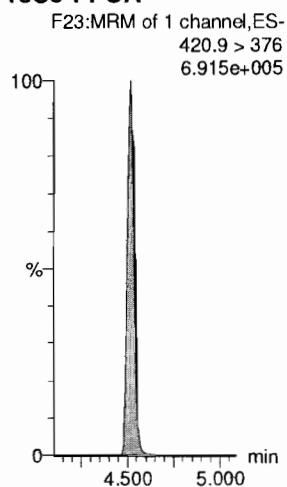
13C5-PFHxA



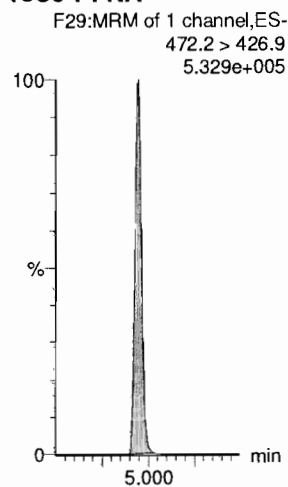
13C3-PFHxS



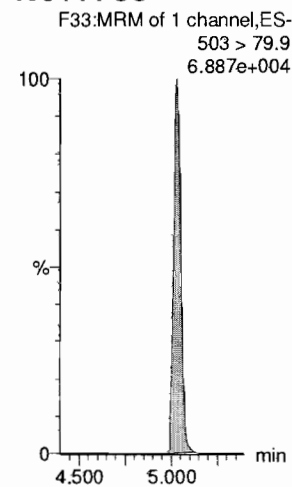
13C8-PFOA



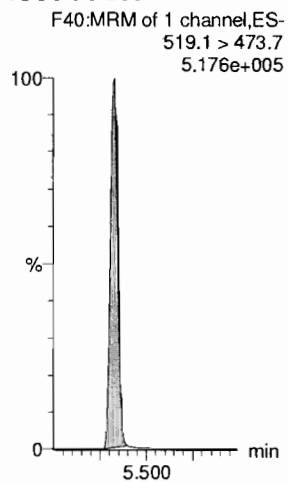
13C9-PFNA



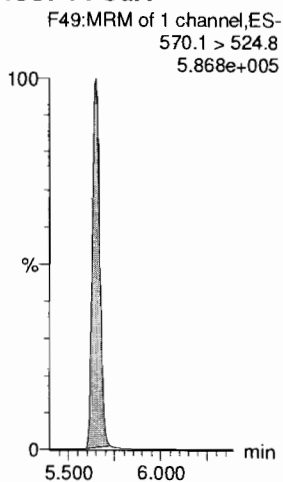
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: F:\Projects\PFAS.PRO\Results\181126M1\181126M1-IB.qld

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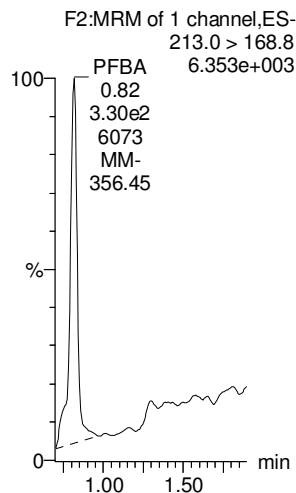
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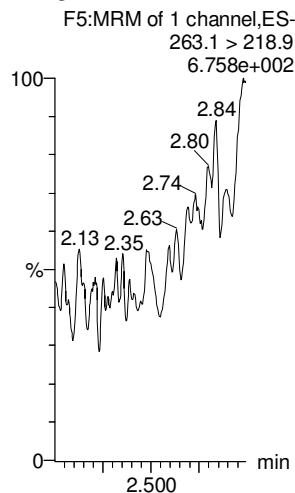
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Name: 181126M1_12, Date: 26-Nov-2018, Time: 13:32:01, ID: IPA, Description: IPA

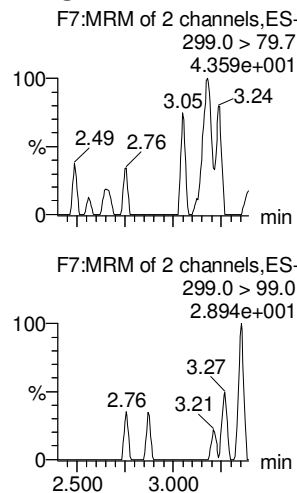
PFBA



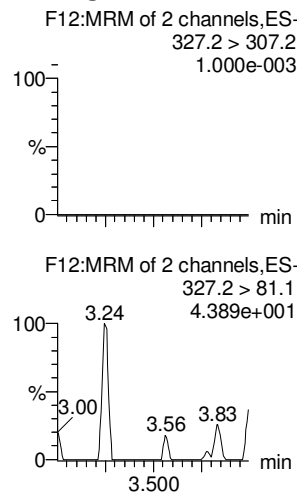
PFPeA



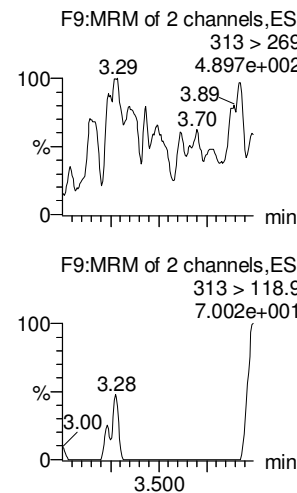
PFBS



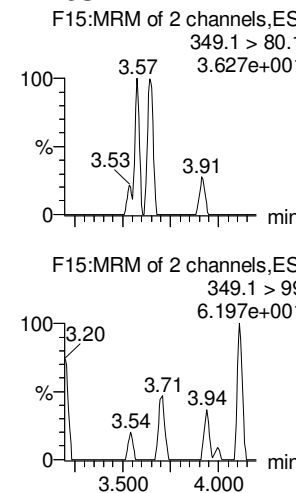
4:2 FTS



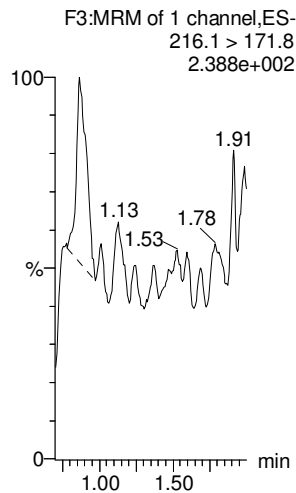
PFHxA



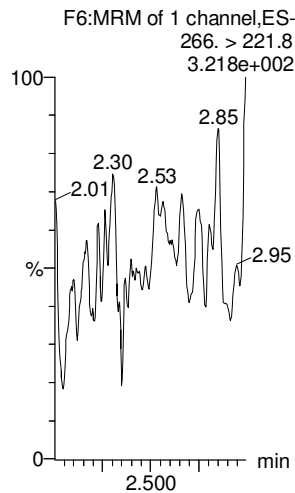
PFPeS



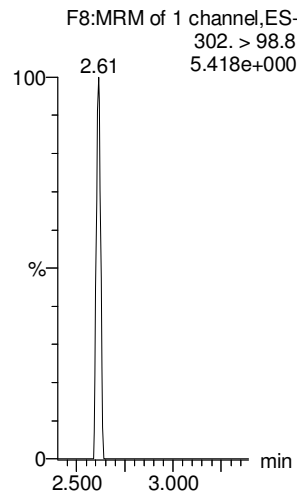
13C3-PFBA



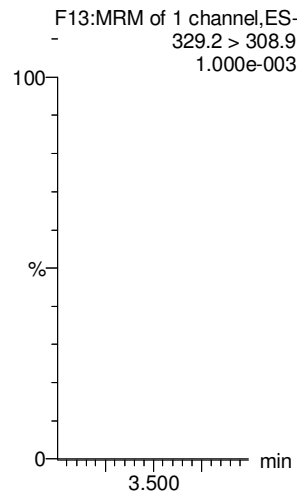
13C3-PFPeA



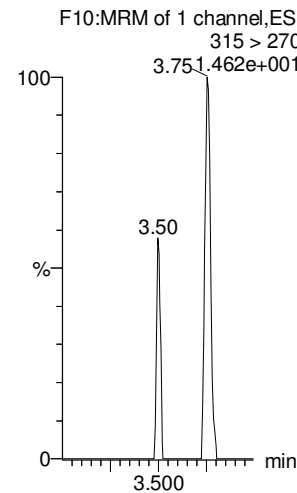
13C3-PFBS



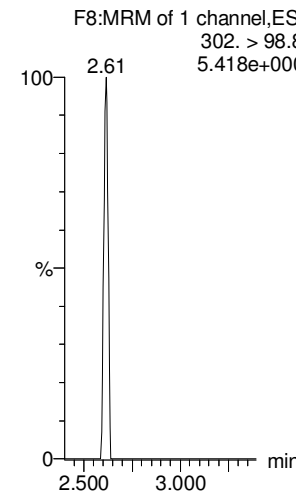
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



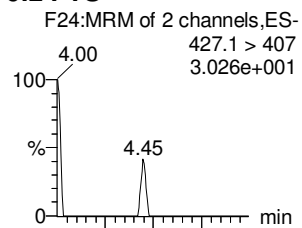
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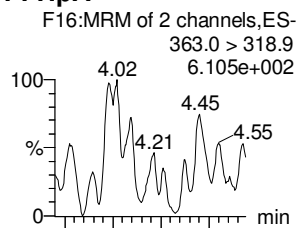
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Name: 181126M1_12, Date: 26-Nov-2018, Time: 13:32:01, ID: IPA, Description: IPA

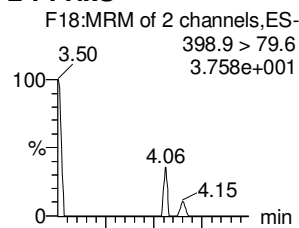
6:2 FTS



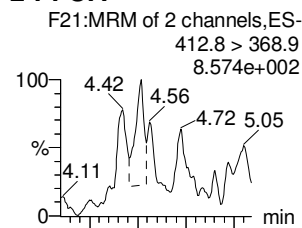
PFHpA



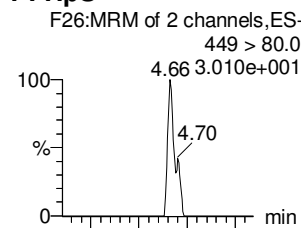
L-PFHxS



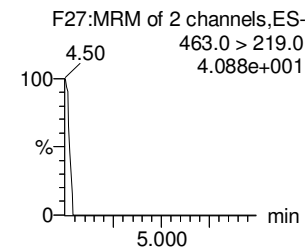
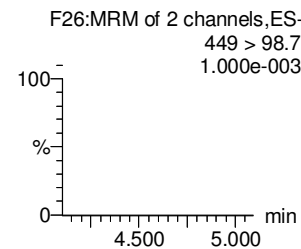
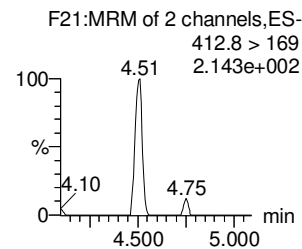
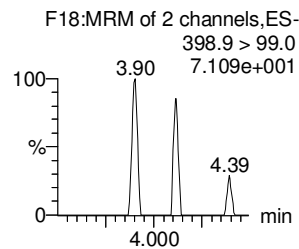
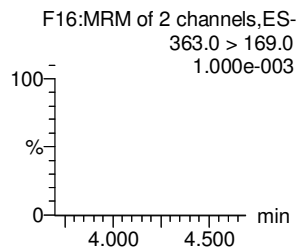
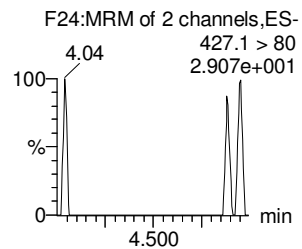
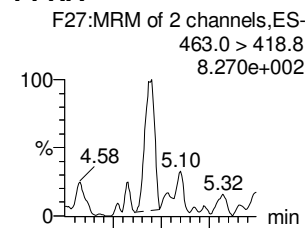
L-PFOA



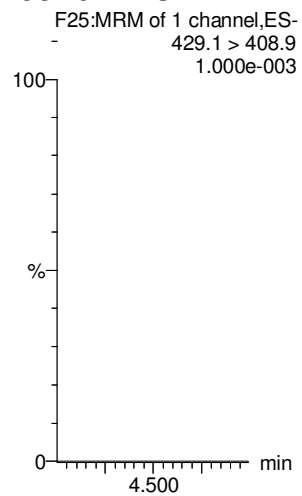
PFHpS



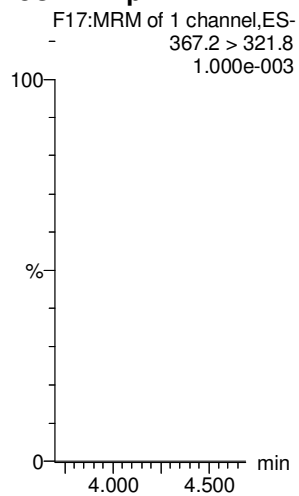
PFNA



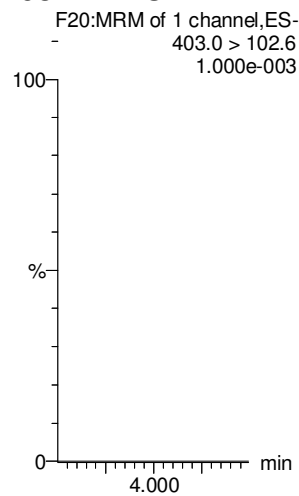
13C2-6:2 FTS



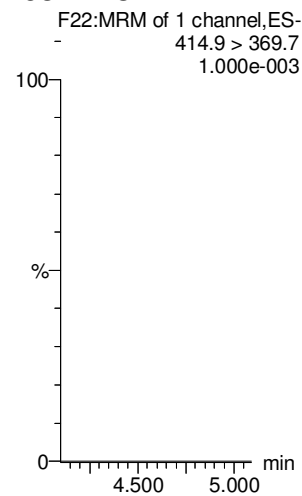
13C4-PFHpA



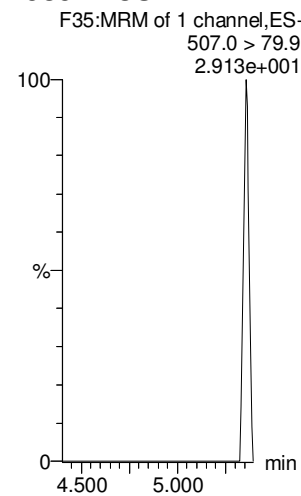
18O2-PFHxS



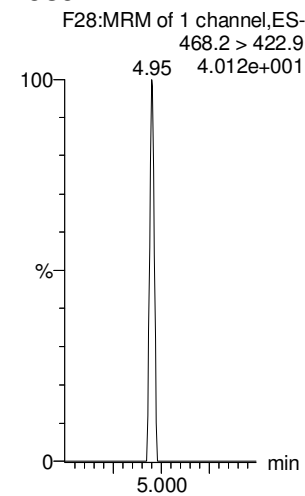
13C2-PFOA



13C8-PFOS



13C5-PFNA



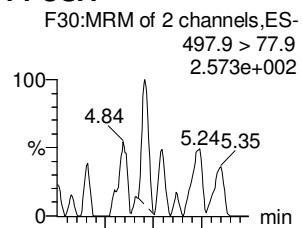
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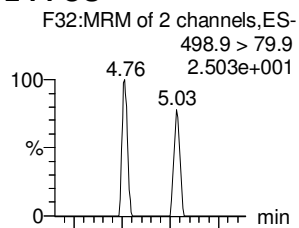
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Name: 181126M1_12, Date: 26-Nov-2018, Time: 13:32:01, ID: IPA, Description: IPA

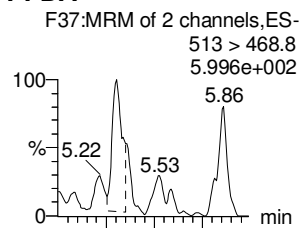
PFOSA



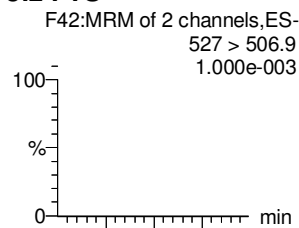
L-PFOS



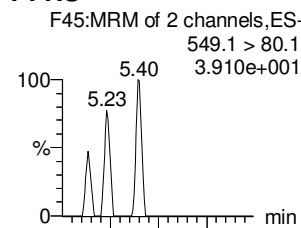
PFDA



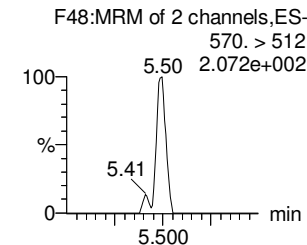
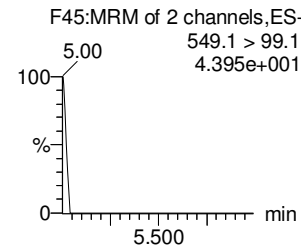
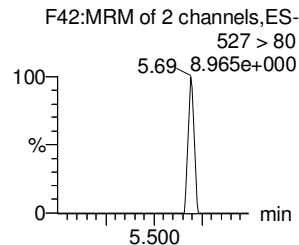
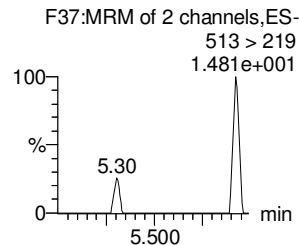
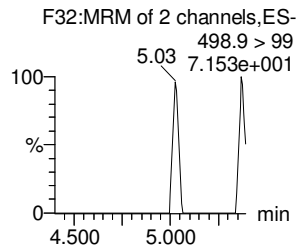
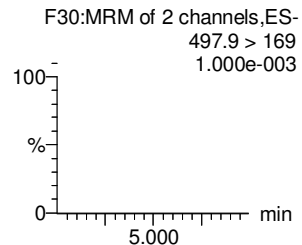
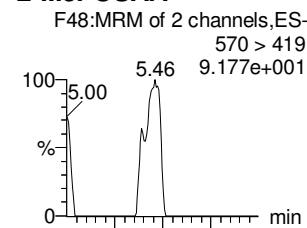
8:2 FTS



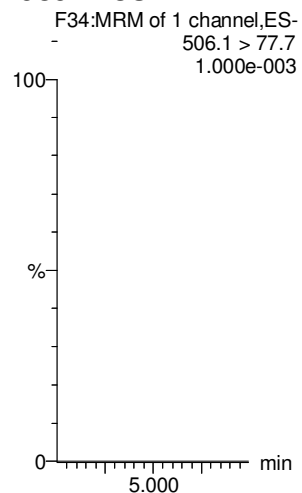
PFNS



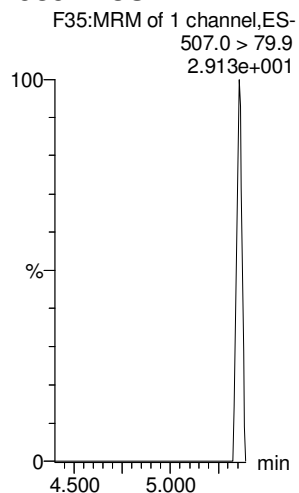
L-MeFOSAA



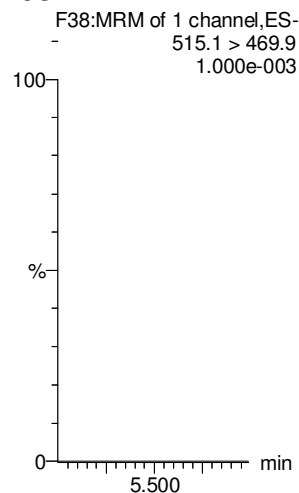
13C8-PFOSA



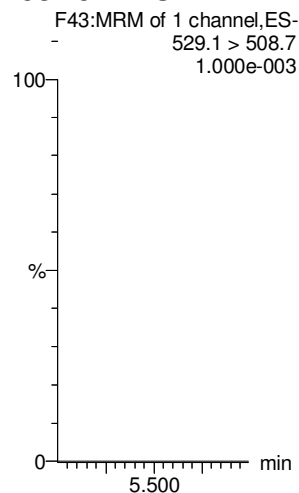
13C8-PFOS



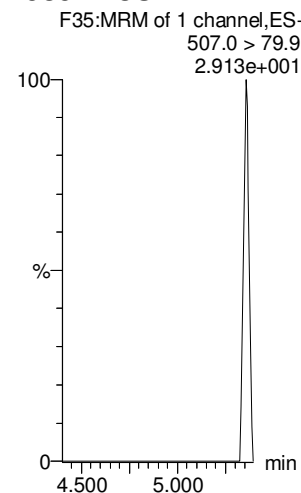
13C2-PFDA



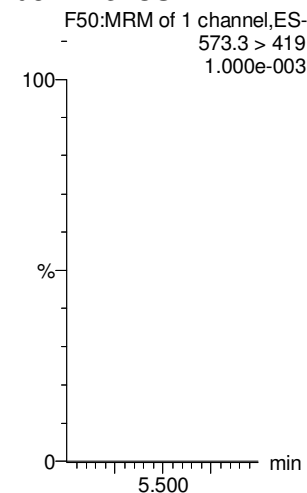
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



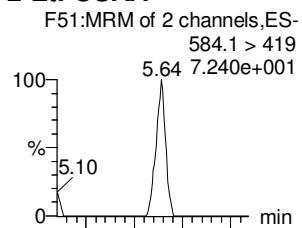
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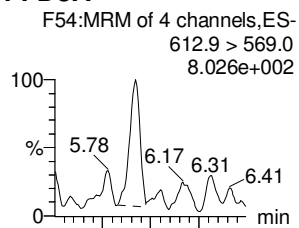
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Name: 181126M1_12, Date: 26-Nov-2018, Time: 13:32:01, ID: IPA, Description: IPA

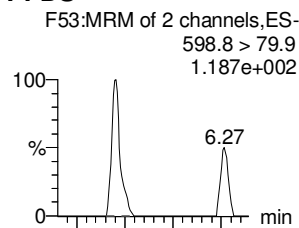
L-EtFOSAA



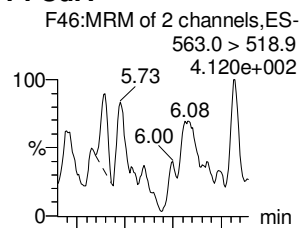
PFDoA



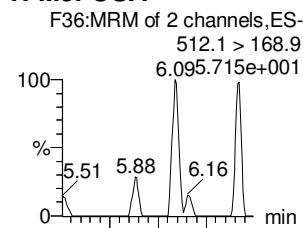
PFDS



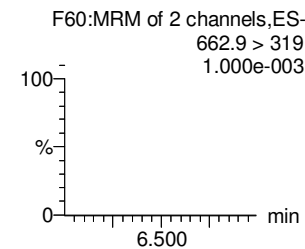
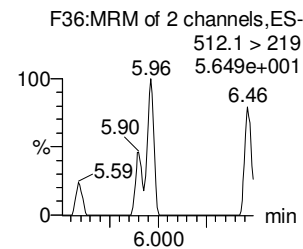
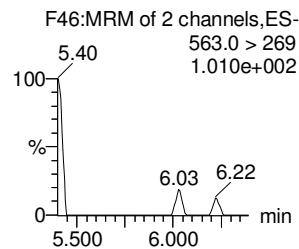
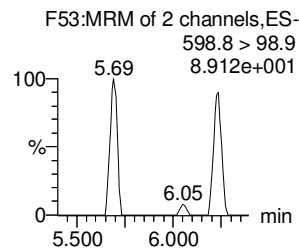
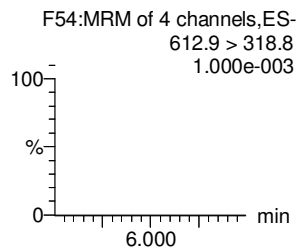
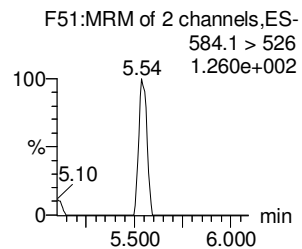
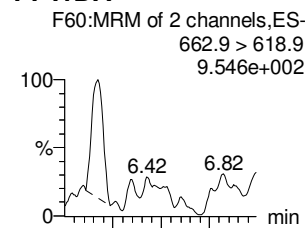
PFUdA



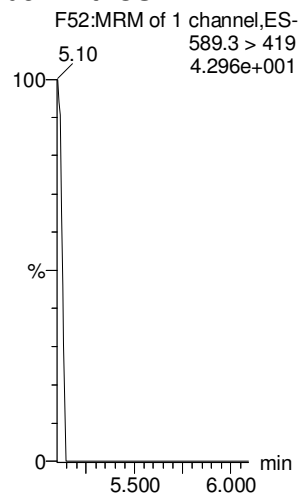
N-MeFOSA



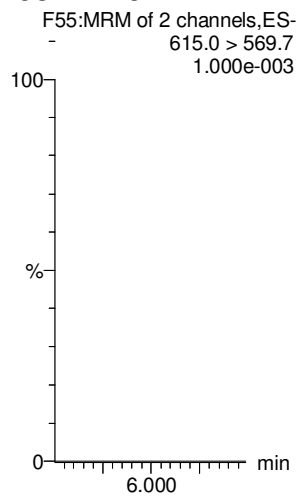
PFTrDA



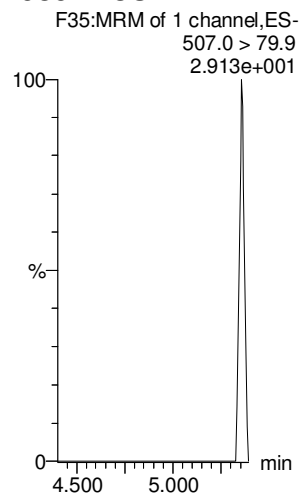
d5-N-EtFOSAA



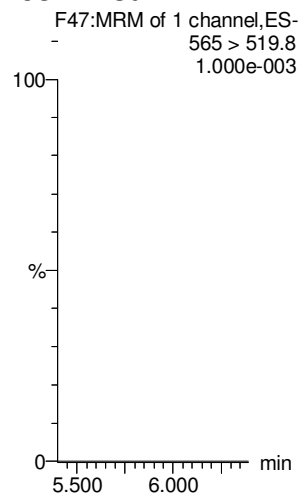
13C2-PFDoA



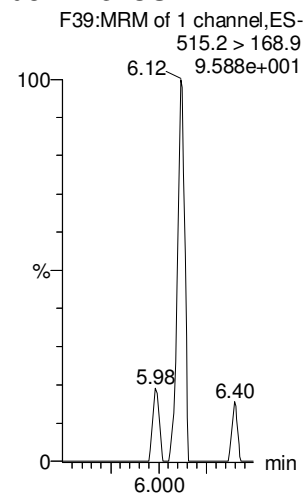
13C8-PFOS



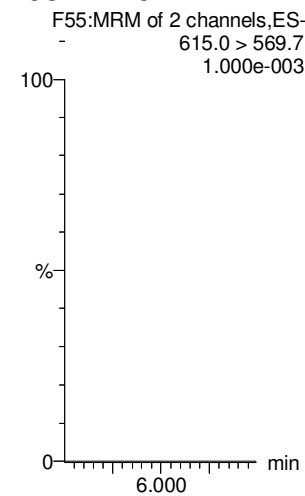
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



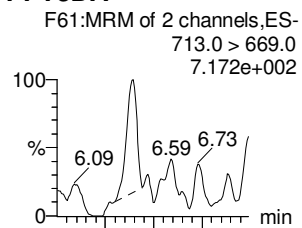
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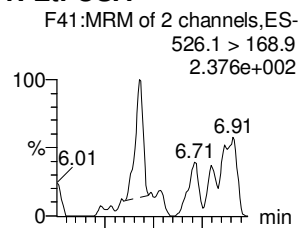
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Name: 181126M1_12, Date: 26-Nov-2018, Time: 13:32:01, ID: IPA, Description: IPA

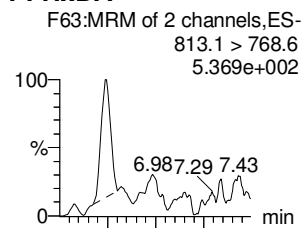
PFTeDA



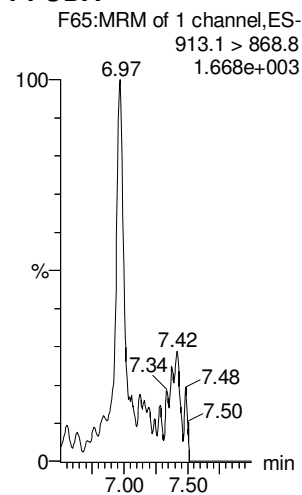
N-EtFOFA



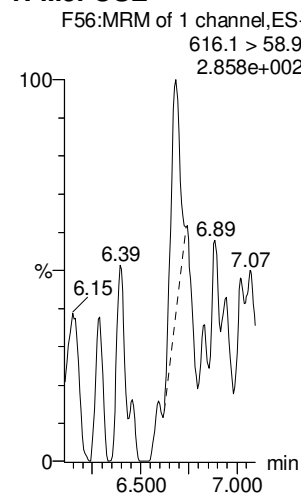
PFHxDA



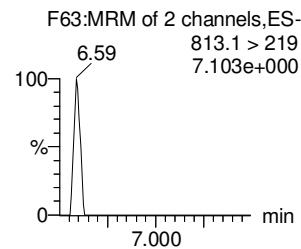
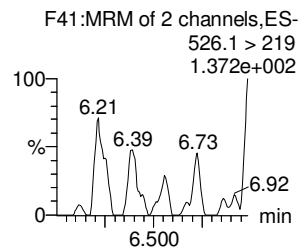
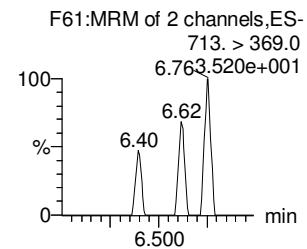
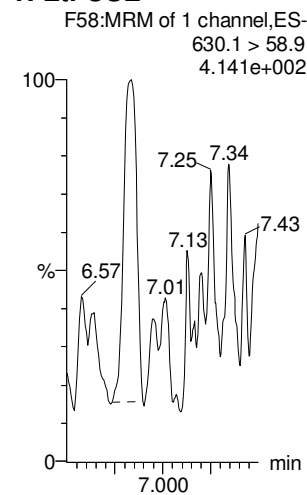
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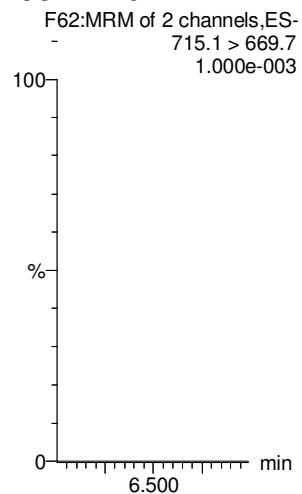
N-MeFOSE



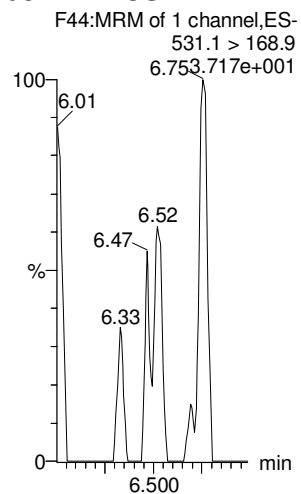
N-EtFOSE



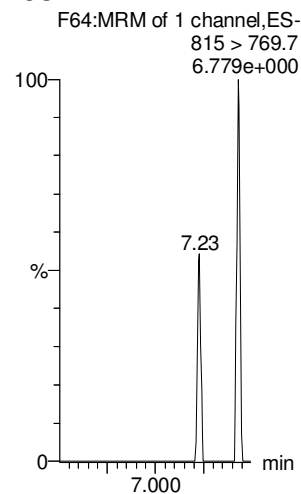
13C2-PFTeDA



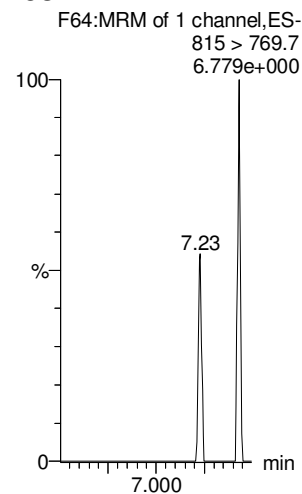
d5-N-ETFOFA



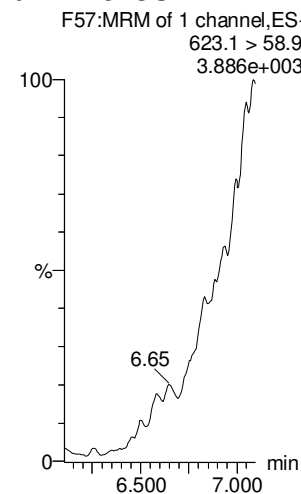
13C2-PFHxDA



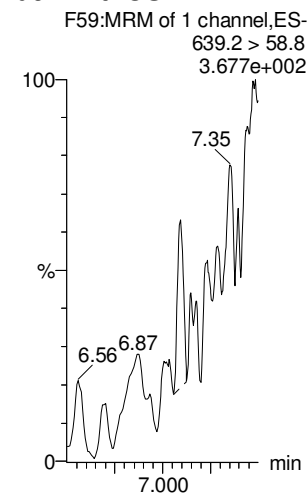
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



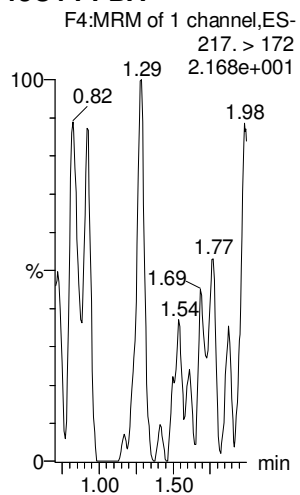
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Last Altered: Monday, November 26, 2018 14:38:52 Pacific Standard Time

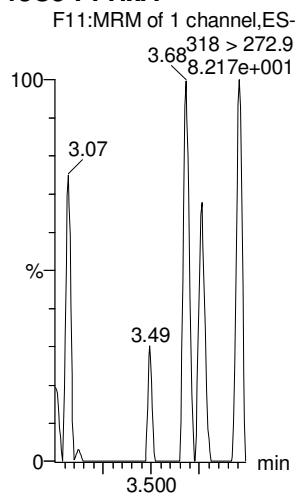
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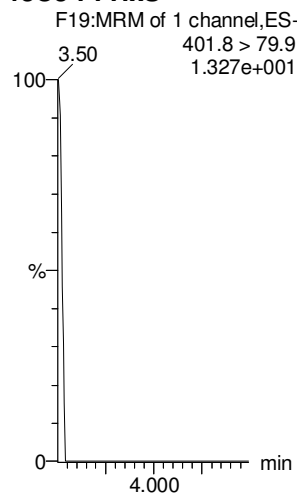
13C4-PFBA



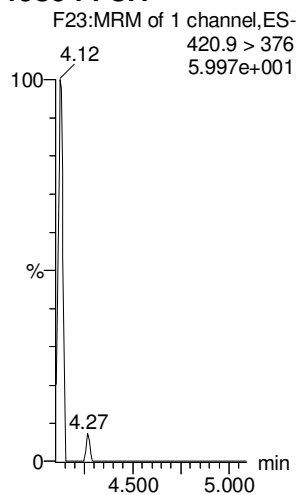
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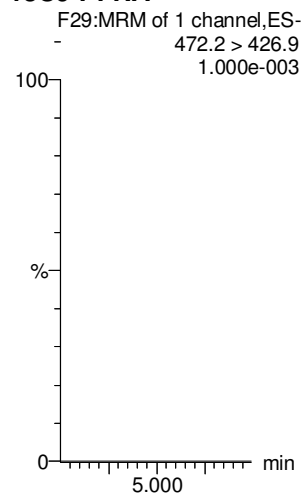
13C3-PFHxS



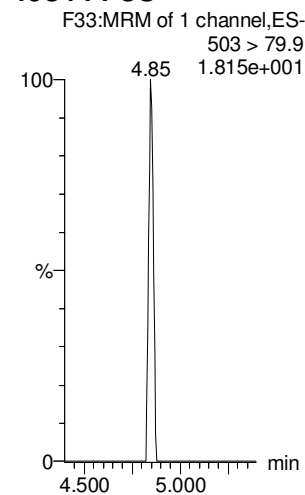
13C8-PFOA



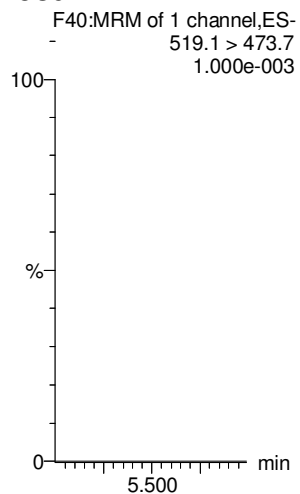
13C9-PFNA



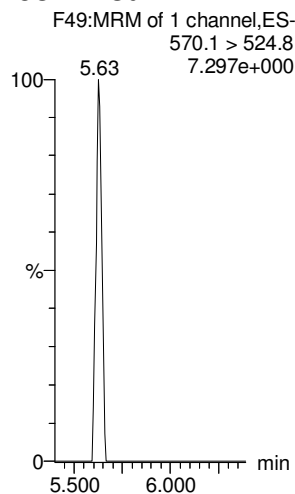
13C4-PFOS



13C6-PFDA



13C7-PFUdA



TUNE CHECKS

Tune check Q4(M) 11-27-18

Calibration Verification Report - MS1 Static

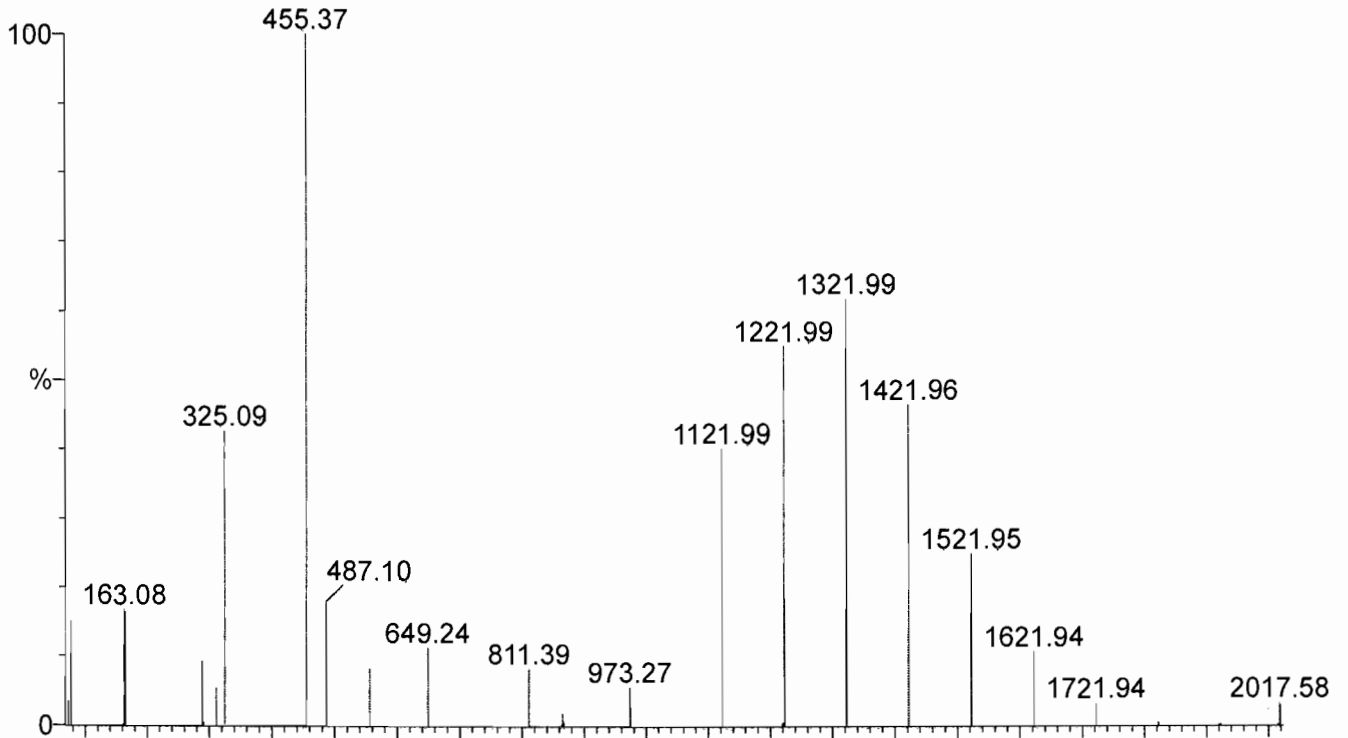
20181126-4

Page 1 of 6

Printed: Tue Nov 27 11:40:17 2018

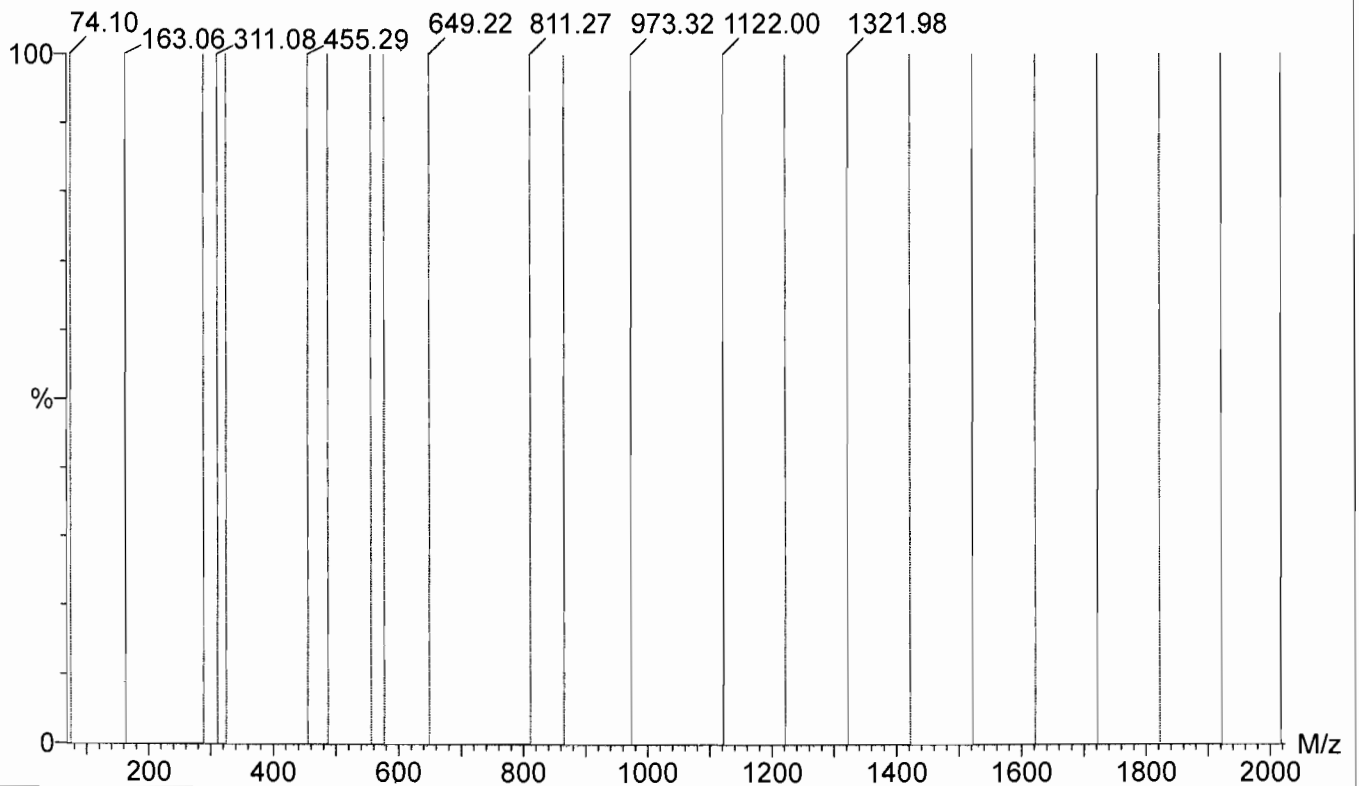
Data file: STATMS1V - Calibrated

21 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

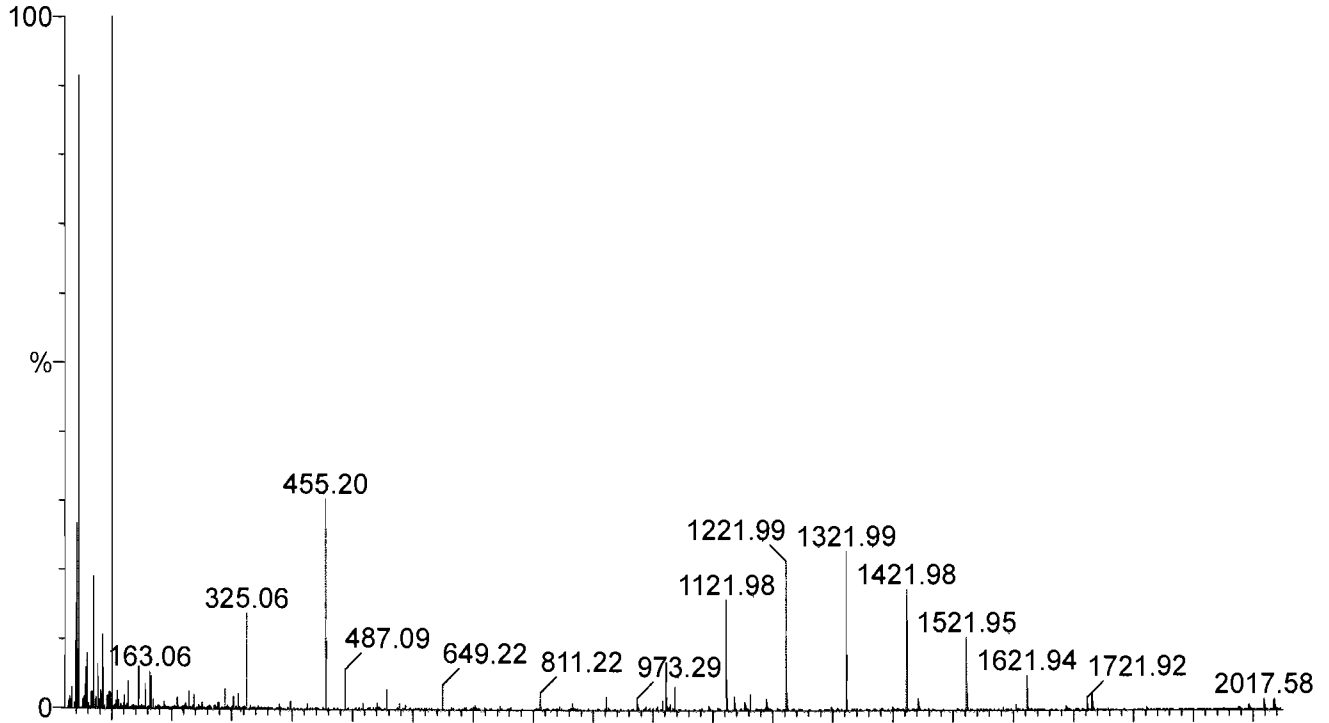
Mean residual = 0.0344 amu



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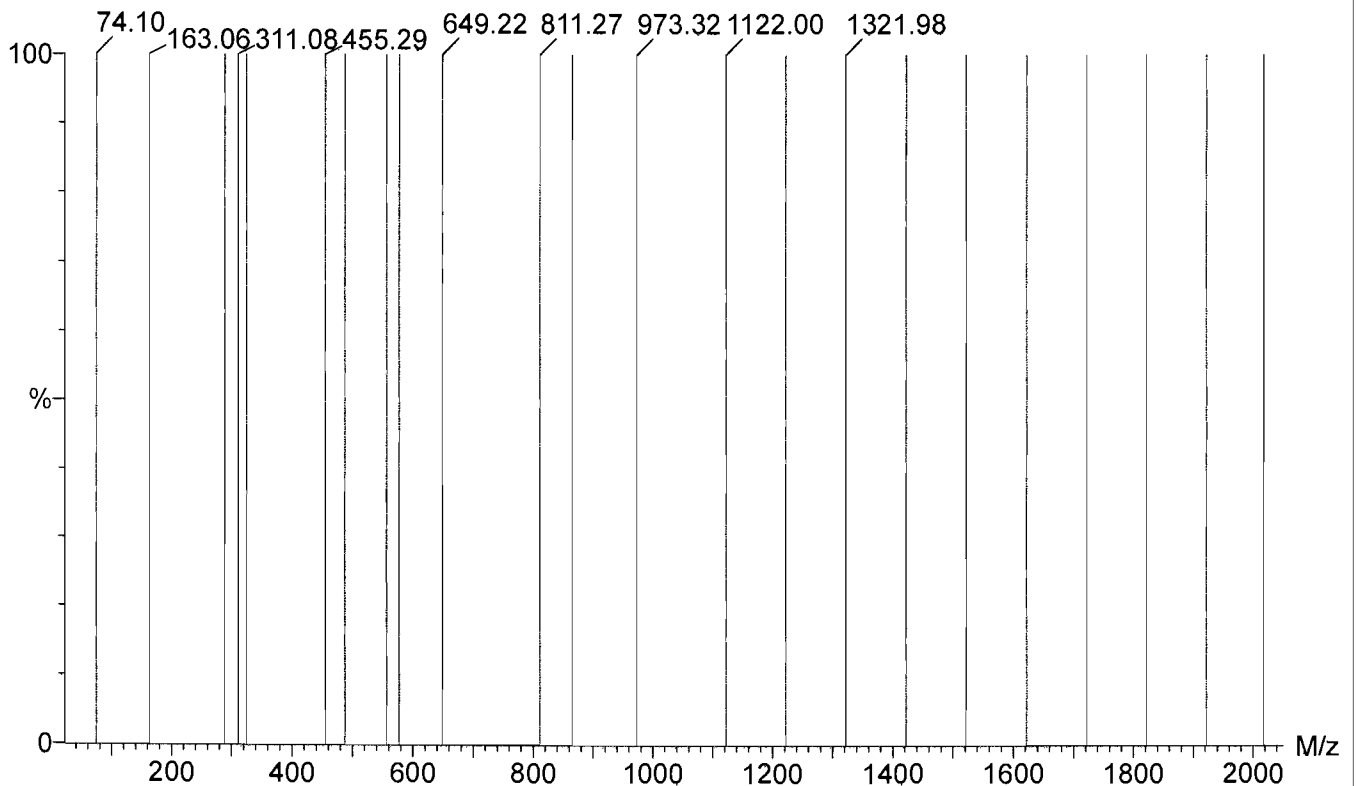
Data file: SCNMS1V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

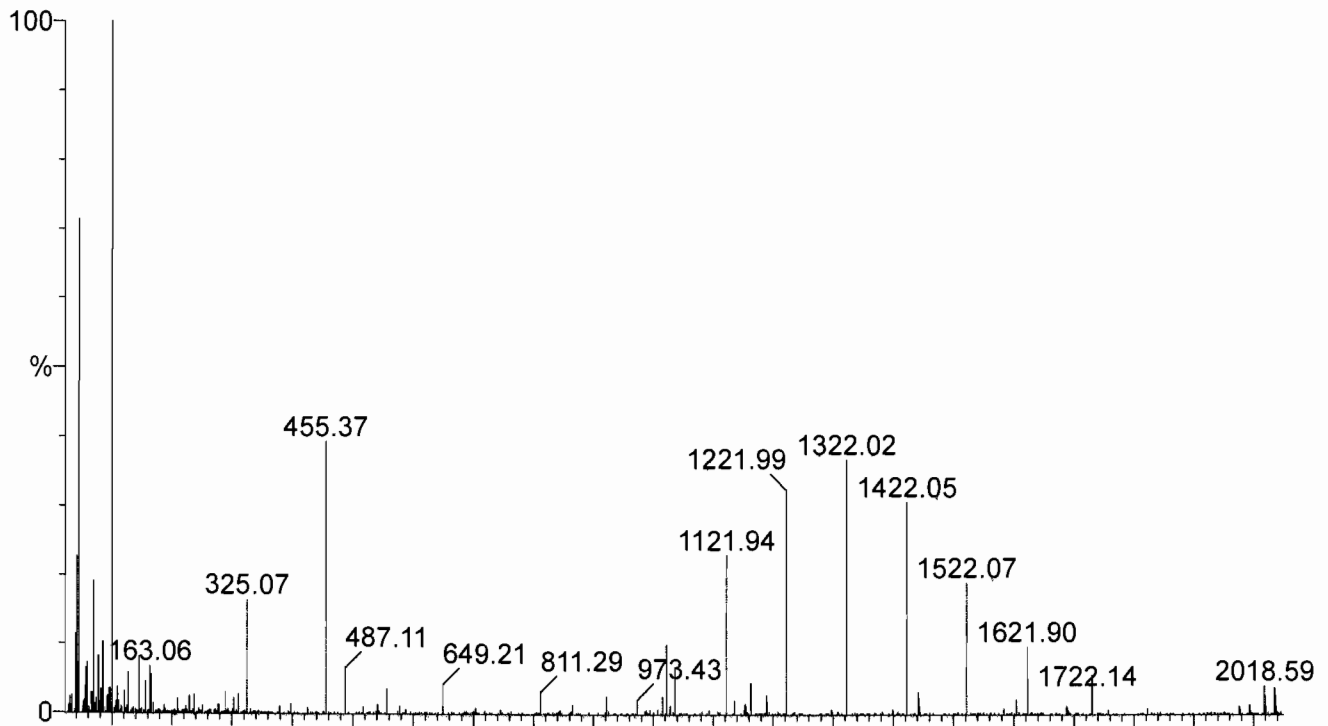
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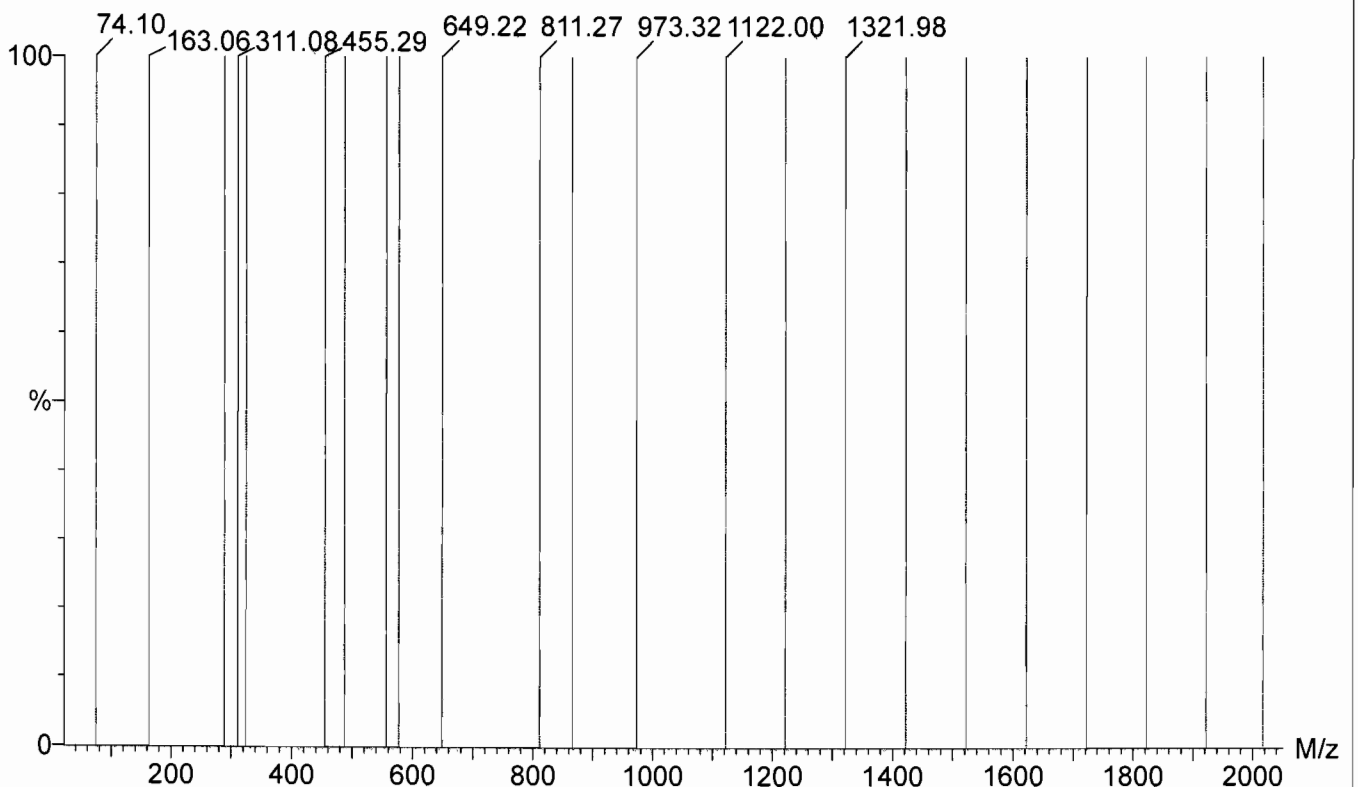
Data file: FASTMS1V - Calibrated

23 matches of 23 tested references

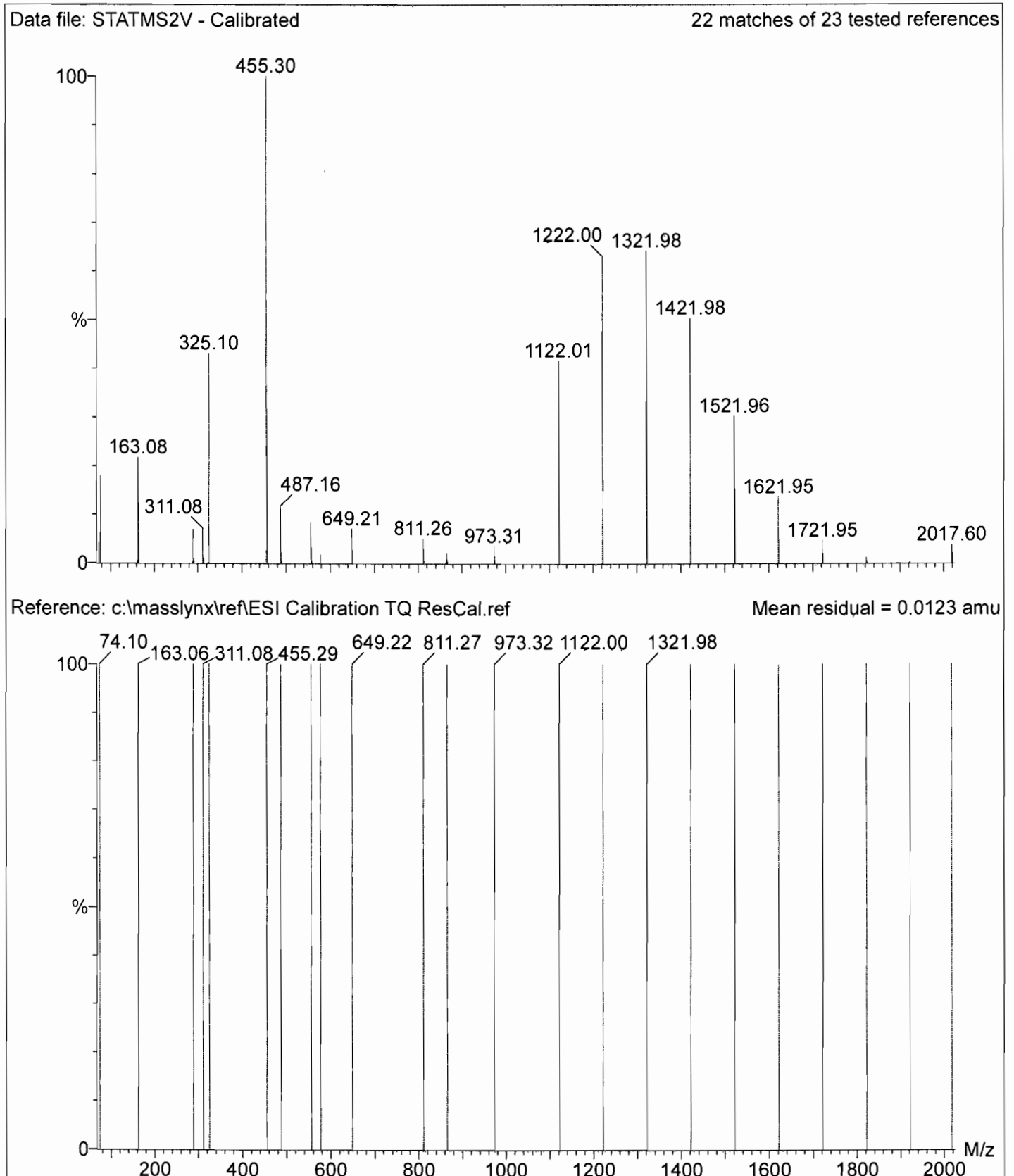


Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

Mean residual = 0.134 amu



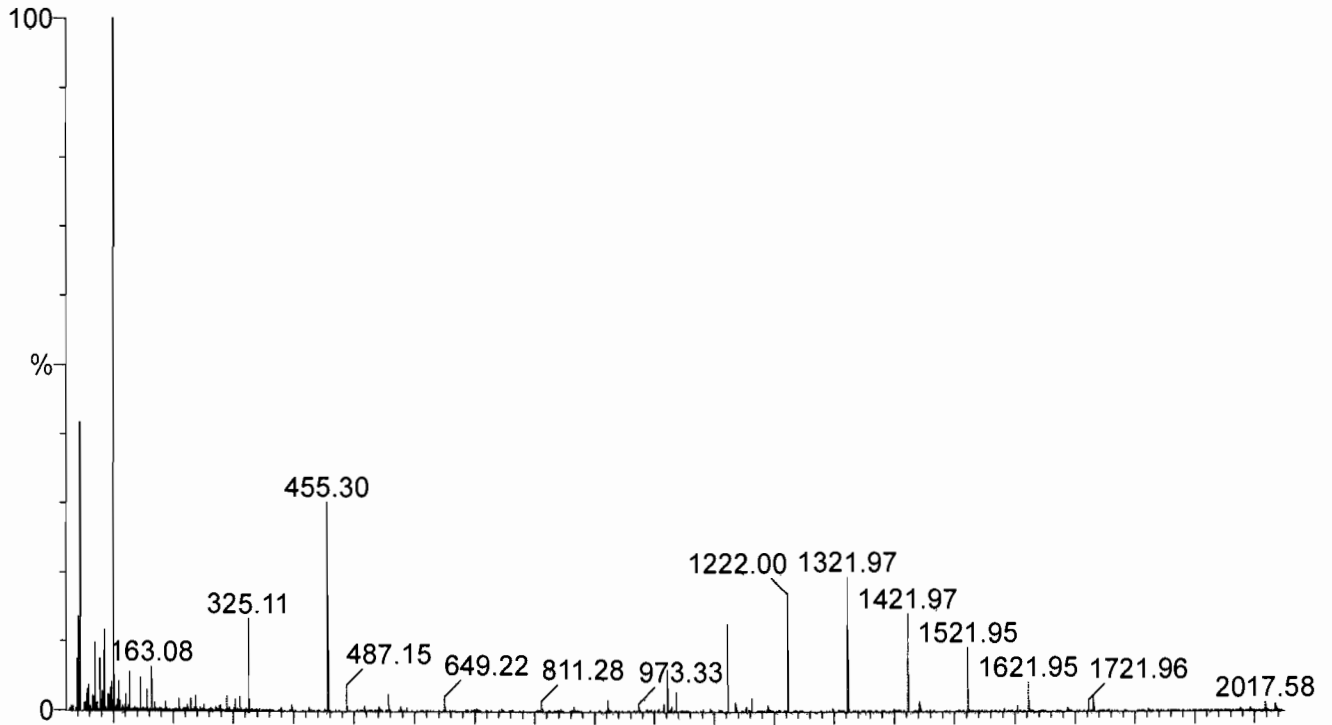
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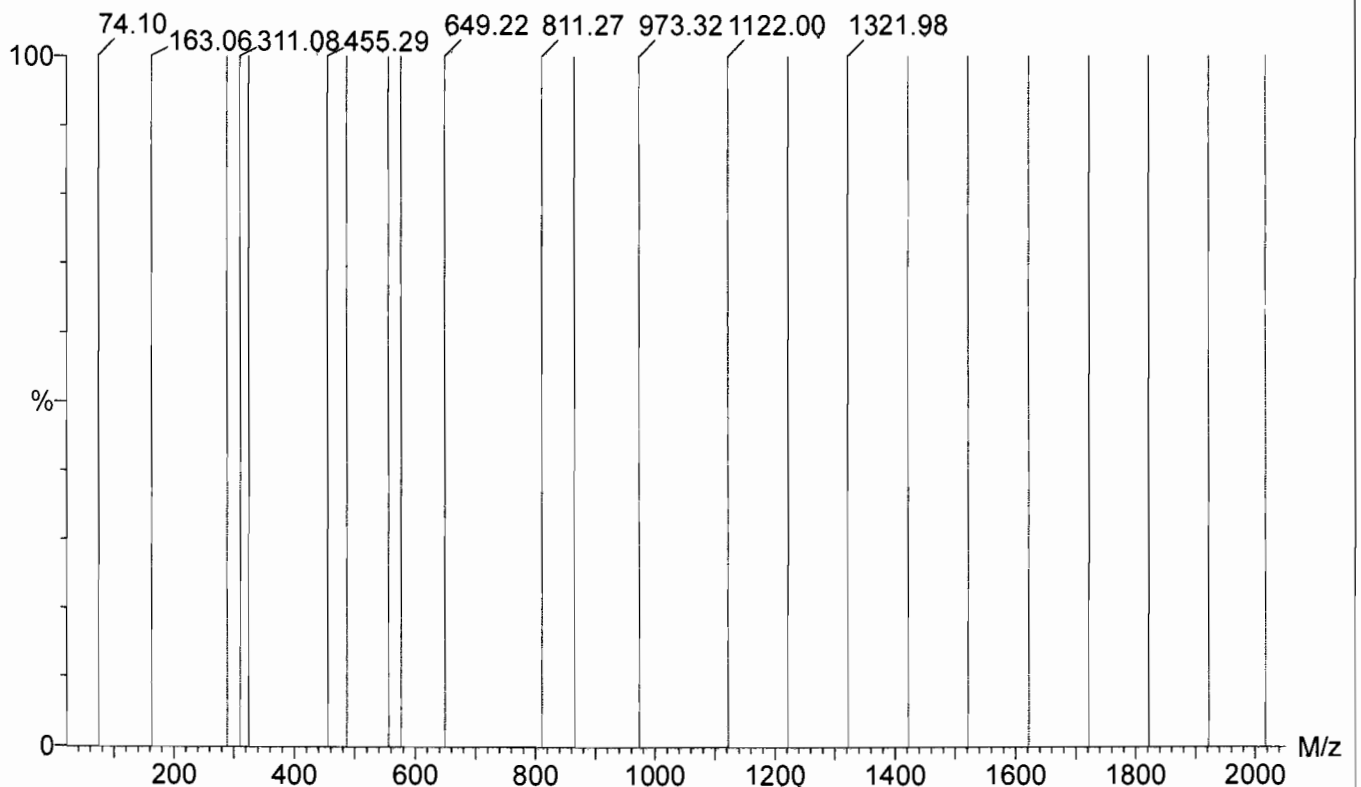
Data file: SCNMS2V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

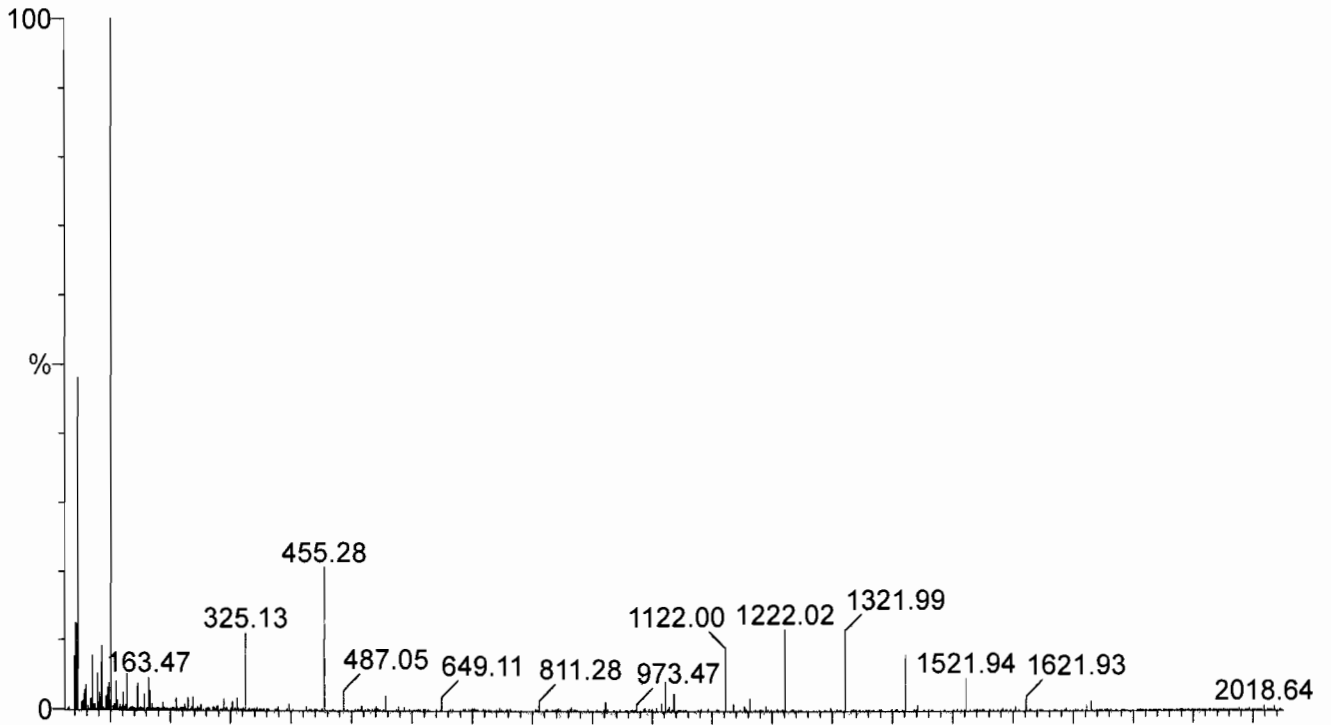
Mean residual = 0.0127 amu



Printed: Tue Nov 27 11:46:31 2018

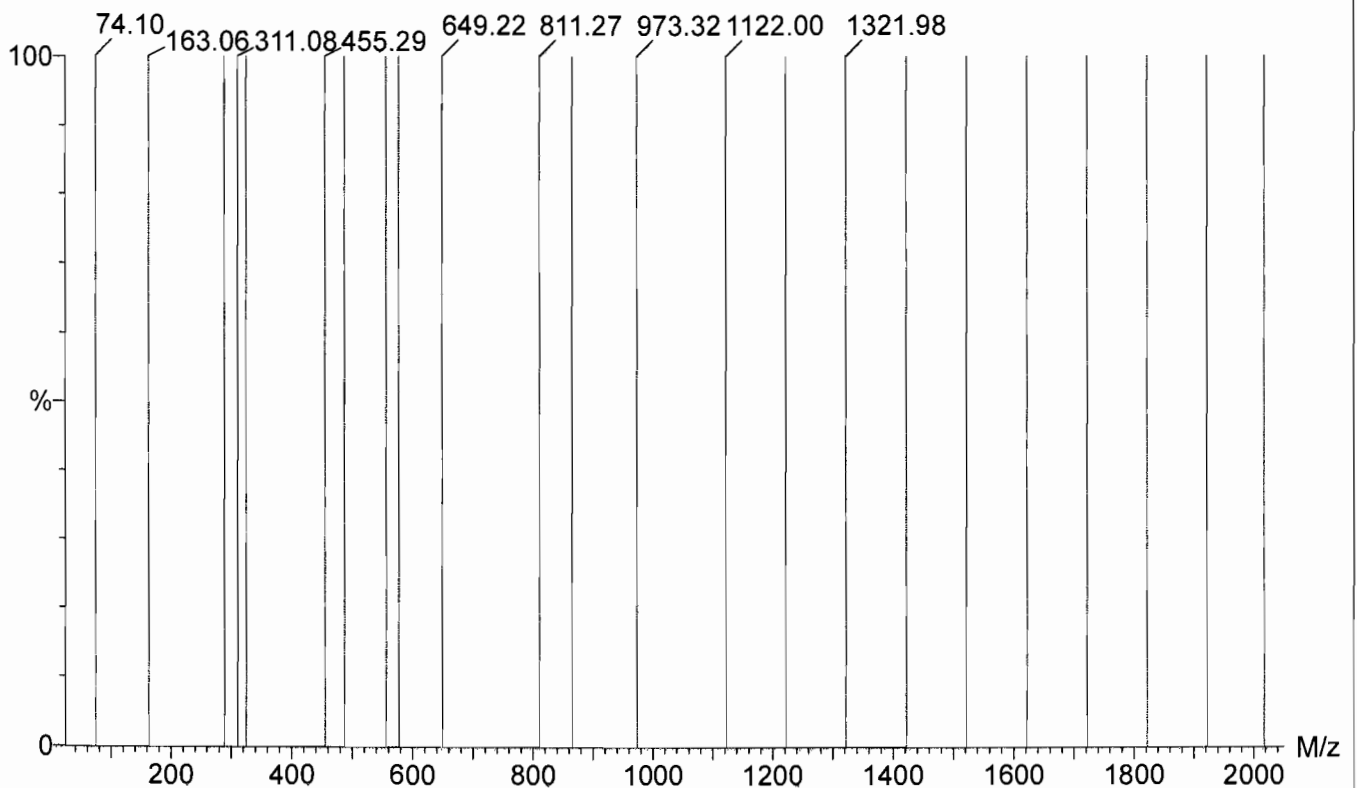
Data file: FASTMS2V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

Mean residual = 0.123 amu



**DATA VALIDATION SUMMARY REPORT
NAS OCEANA, VIRGINIA BEACH, VIRGINIA**

Client: CH2M HILL, Inc., Virginia Beach, Virginia
 SDG: 1803677
 Laboratory: Vista Analytical Laboratory, El Dorado Hills, California
 Site: NAS Oceana, Virginia Beach, Virginia, CTO-WE14
 Date: December 13, 2018

PFCs			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OC-RW05-1118	1803677-01	Water
1MS	OC-RW05-1118MS	1803677-01MS	Water
1MSD	OC-RW05-1118MSD	1803677-01MSD	Water
2	OC-RW05P-1118	1803677-02	Water
3	OC-FB05-1118	1803677-03	Water

A full data validation was performed on the analytical data for two water samples and one aqueous field blank sample collected on November 16, 2018 by CH2M HILL at the NAS Oceana site in Virginia Beach, 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
PFCs

Method References
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 Organic Superfund 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

- Initial and continuing calibration summaries
- Method blank and field QC blank contamination
- Internal Standards
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recoveries
- 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. There were no qualifications.

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.

Holding Times

- All samples were extracted within 14 days for water samples and analyzed within 28 days.

Initial Calibration

- All percent difference (%D) and/or correlation coefficients criteria were met.

Continuing Calibration

- All percent recovery (%R) criteria were met.

Method Blank

- The method blanks were free of contamination.

Field QC Blank

- The field blank samples were free of contamination.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
OC-FB05-1118	None - ND	-	-	-

Internal Standards

- All criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Sample (LCS)

- The LCS samples exhibited acceptable percent recoveries (%R).

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- All criteria were met.

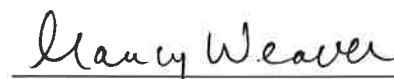
Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	OC-RW05-1118 ng/L	OC-RW05P-1118 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
Senior Chemist

Dated:

12/14/18

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.



Sample ID: OC-RW05-1118

PFAS Isotope Dilution Method

Client Data		Laboratory Data	
Name:	CH2M Hill	Lab Sample:	1803677-01
Project:	CTO-WE14	Date Received:	17-Nov-18 12:02
Matrix:	Drinking Water	Column:	BEH C18
Date Collected:	16-Nov-18 16:18		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFHpA	375-85-9	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFHxS	355-46-4	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFOA	335-67-1	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFOS	1763-23-1	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
PFNA	375-95-1	ND	2.96	4.31	8.63		B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
Labeled Standards	Type	% Recovery		Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	97.4		50 - 150			B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C4-PFHpA	IS	73.5		50 - 150			B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
18O2-PFHxS	IS	89.2		50 - 150			B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C2-PFOA	IS	80.0		50 - 150			B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C8-PFOS	IS	87.4		50 - 150			B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1
13C5-PFNA	IS	78.8		50 - 150			B8K0162	26-Nov-18	0.116 L	27-Nov-18 16:16	1

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of Quantitation
 Results reported to the DL.
 When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

NW 12/13/18

Sample ID: OC-RW05P-1118 **PFAS Isotope Dilution Method**

Client Data		Laboratory Data	
Name:	CH2M Hill	Lab Sample:	1803677-02
Project:	CTO-WE14	Date Received:	17-Nov-18 12:02
Matrix:	Drinking Water	Column:	BEH C18
Date Collected:	16-Nov-18 16:19		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFHpA	375-85-9	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFHxS	355-46-4	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFOA	335-67-1	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFOS	1763-23-1	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
PFNA	375-95-1	ND	2.91	4.24	8.51		B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
Labeled Standards	Type	% Recovery	Limits								
13C3-PFBS	IS	96.7	50 - 150				B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C4-PFHpA	IS	83.8	50 - 150				B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
18O2-PFHxS	IS	89.5	50 - 150				B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C2-PFOA	IS	87.1	50 - 150				B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C8-PFOS	IS	92.4	50 - 150				B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1
13C5-PFNA	IS	79.7	50 - 150				B8K0162	26-Nov-18	0.118 L	27-Nov-18 16:26	1

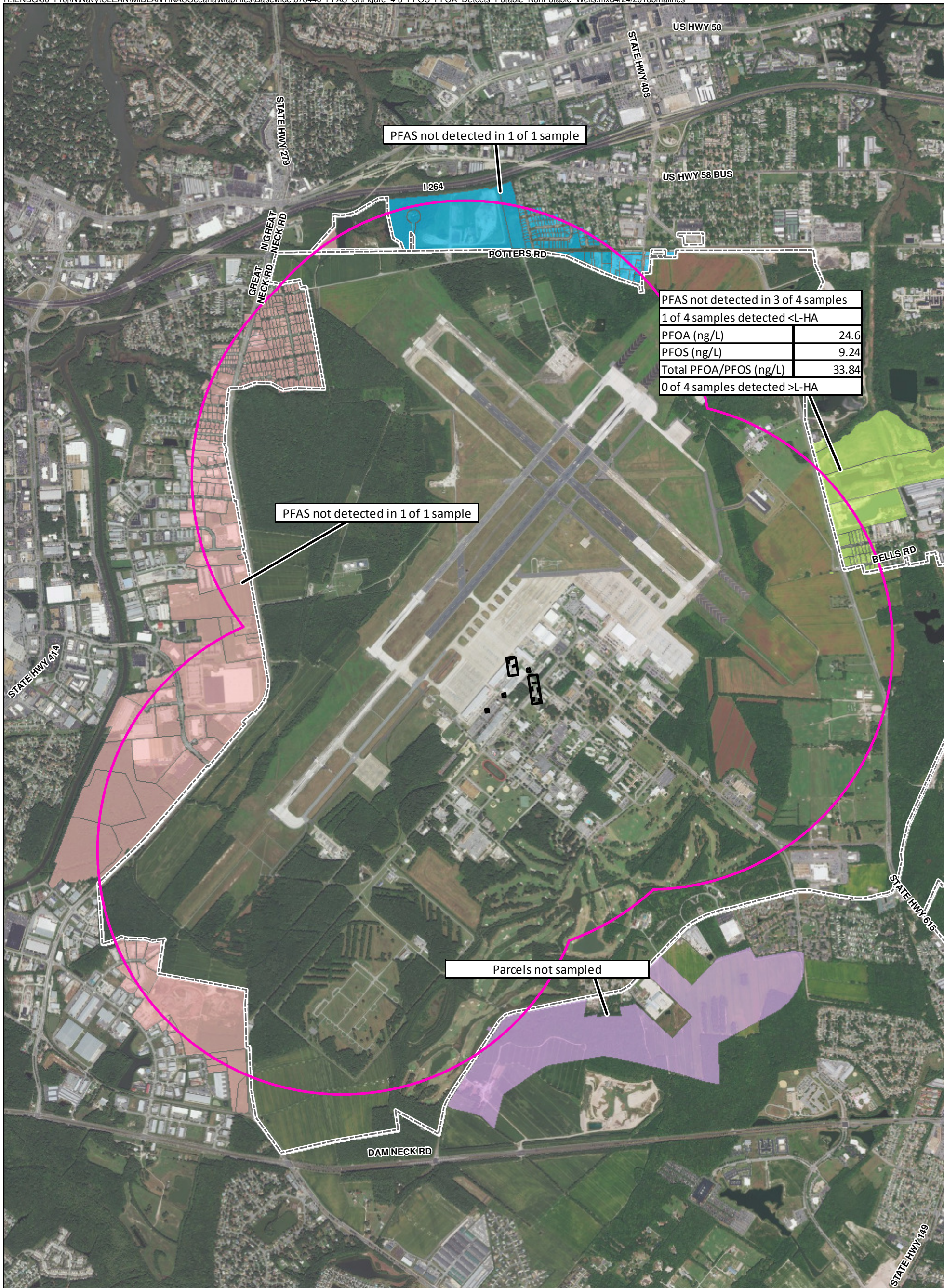
DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of quantitation
 Results reported to the DL.
 When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

12/13/18

Sample ID: OC-FB05-1118		PFAS Isotope Dilution Method									
Client Data		Laboratory Data									
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803677-03	Column:	BEH C18	Date Collected:	16-Nov-18 16:20	Date Received:	17-Nov-18 12:02
Project:	CTO-WE14										
Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFHpA	375-85-9	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFHxS	355-46-4	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFOA	335-67-1	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFOS	1763-23-1	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
PFNA	375-95-1	ND	2.81	4.10	8.21		B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	99.2	50 - 150			B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1	
13C4-PFHpA	IS	81.0	50 - 150			B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1	
18O2-PFHxS	IS	87.9	50 - 150			B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1	
13C2-PFOA	IS	85.9	50 - 150			B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1	
13C8-PFOS	IS	89.0	50 - 150			B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1	
13C5-PFNA	IS	80.2	50 - 150			B8K0162	26-Nov-18	0.122 L	27-Nov-18 16:37	1	

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of quantitation
 Results reported to the DL.
 When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

new 12.1.3.18



PFAS not detected in 3 of 4 samples	
1 of 4 samples detected <L-HA	
PFOA (ng/L)	24.6
PFOS (ng/L)	9.24
Total PFOA/PFOS (ng/L)	33.84
0 of 4 samples detected >L-HA	

- Legend**
- Non-Core Target Treatment Area (2004)
 - - Core Target Treatment Area (2004) (Core)
 - ▭ Sampling Area
 - ▭ Installation Boundary
 - Off-Base Parcels**
 - ▭ East
 - ▭ North
 - ▭ South
 - ▭ West

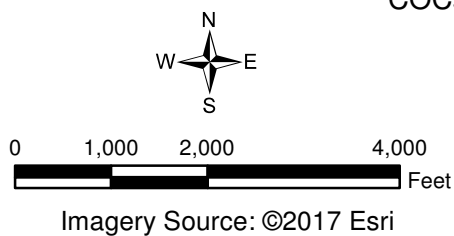


Figure 4-3
COCs Detections in Potable Wells Sampled from Parcels Located Off-Base
Basewide Per- and Polyfluoroalkyl Substances Site Inspection Report
NAS Oceana, Virginia Beach, Virginia