



**Groundwater Sample Results,
Level 2 Laboratory Report, Level 4 Laboratory Report,
Electronic Data Deliverable, Data Validation Report,
and the Sample Location Report, SDG 1701038**

*Naval Air Station Oceana
Virginia Beach, Virginia*

July 2019

August 25, 2017

Vista Work Order No. 1701038

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

Dear Ms. Hill,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on August 11, 2017. This sample set was analyzed on a rush turn-around time, under your Project Name 'NAS Oceana PFOS'.

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. 1701038

Case Narrative

Sample Condition on Receipt:

Two groundwater 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. As requested, the sample IDs were updated to "MW-BG04-0817" and "OC-EB081017".

Analytical Notes:

Modified EPA Method 537

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

Holding Times

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

Quality Control

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

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

The extracts were re-injected because one or more Injection Internal Standard Analyte response areas were outside of criteria. The MB and OPR area results were similar in the second injections; the results from the original injections have been reported. The sample results have been reported from the second injections, which passed the area 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
1701038-01	MW-BG04R-0817	10-Aug-17 10:10	11-Aug-17 09:29	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701038-02	OC-EB081017	10-Aug-17 10:15	11-Aug-17 09:29	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: Method Blank						Modified EPA Method 537			
Matrix: Aqueous Sample Size: 0.250 L		QC Batch: B7H0078 Date Extracted: 14-Aug-2017 9:21		Lab Sample: B7H0078-BLK1 Date Analyzed: 14-Aug-17 18:10 Column: BEH C18					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFBS	ND	0.895	2.50	4.00		IS 13C3-PFBS	121	50 - 150	
PFHpA	ND	0.296	2.50	4.00		IS 13C4-PFHpA	71.8	50 - 150	
PFHxS	ND	0.474	2.50	4.00		IS 18O2-PFHxS	99.6	50 - 150	
PFOA	ND	0.326	2.50	4.00		IS 13C2-PFOA	99.3	50 - 150	
PFOS	ND	0.404	2.50	4.00		IS 13C8-PFOS	90.4	50 - 150	
PFNA	ND	0.405	2.50	4.00		IS 13C5-PFNA	90.4	50 - 150	

LCL-UCL - Lower control limit - upper control limit

Results reported to DL.

When reported, PFBS, PFHxS, PFOA and PFOS include both linear and branched isomers.

Only the linear isomer is reported for all other analytes.

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

Matrix: Aqueous	QC Batch: B7H0078	Lab Sample: B7H0078-BS1
Sample Size: 0.250 L	Date Extracted: 14-Aug-2017 9:21	Date Analyzed: 14-Aug-17 17:49 Column: BEH C18

Analyte	Amt Found (ng/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PFBS	41.0	40.0	102	70 - 130	IS 13C3-PFBS	122	50 - 150
PFHpA	38.5	40.0	96.1	70 - 130	IS 13C4-PFHpA	72.5	50 - 150
PFHxS	34.8	40.0	87.0	70 - 130	IS 18O2-PFHxS	101	50 - 150
PFOA	45.0	40.0	112	70 - 130	IS 13C2-PFOA	97.1	50 - 150
PFOS	37.9	40.0	94.8	70 - 130	IS 13C8-PFOS	102	50 - 150
PFNA	42.8	40.0	107	70 - 130	IS 13C5-PFNA	84.1	50 - 150

LCL-UCL - Lower control limit - upper control limit

Sample ID: MW-BG04R-0817 **Modified EPA Method 537**

Client Data		Sample Data		Laboratory Data			
Name:	CH2M Hill	Matrix:	Groundwater	Lab Sample:	1701038-01	Date Received:	11-Aug-2017 9:29
Project:	NAS Oceana PFOS	Sample Size:	0.116 L	QC Batch:	B7H0078	Date Extracted:	14-Aug-2017 9:21
Date Collected:	10-Aug-2017 10:10			Date Analyzed:	15-Aug-17 18:01	Column:	BEH C18
Location:							

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFBS	8.67	1.92	5.39	8.59		IS 13C3-PFBS	128	50 - 150	
PFHpA	2.72	0.634	5.39	8.59	J	IS 13C4-PFHpA	76.6	50 - 150	
PFHxS	28.3	1.02	5.39	8.59		IS 18O2-PFHxS	109	50 - 150	
PFOA	4.72	0.699	5.39	8.59	J	IS 13C2-PFOA	96.4	50 - 150	
PFOS	ND	0.866	5.39	8.59		IS 13C8-PFOS	104	50 - 150	
PFNA	ND	0.869	5.39	8.59		IS 13C5-PFNA	97.7	50 - 150	

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

Sample ID: OC-EB081017

Modified EPA Method 537

Client Data		Sample Data			Laboratory Data				
Name:	CH2M Hill	Matrix:	Groundwater		Lab Sample:	1701038-02	Date Received:	11-Aug-2017 9:29	
Project:	NAS Oceana PFOS	Sample Size:	0.117 L		QC Batch:	B7H0078	Date Extracted:	14-Aug-2017 9:21	
Date Collected:	10-Aug-2017 10:15				Date Analyzed:	15-Aug-17 18:11 Column: BEH C18			
Location:									

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFBS	ND	1.91	5.34	8.53		IS 13C3-PFBS	119	50 - 150	
PFHpA	ND	0.630	5.34	8.53		IS 13C4-PFHpA	79.1	50 - 150	
PFHxS	ND	1.01	5.34	8.53		IS 18O2-PFHxS	105	50 - 150	
PFOA	ND	0.694	5.34	8.53		IS 13C2-PFOA	94.6	50 - 150	
PFOS	ND	0.861	5.34	8.53		IS 13C8-PFOS	94.5	50 - 150	
PFNA	ND	0.864	5.34	8.53		IS 13C5-PFNA	92.9	50 - 150	

LCL-UCL - Lower control limit - upper control limit

Results reported to DL.

When reported, PFBS, PFHxS, PFOA and PFOS include both linear and branched isomers.

Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1175673
New Hampshire Environmental Accreditation Program	207716
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	013
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	8621
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	EPA 1613B

Dilution GC/HRMS	
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

Sample Log-in Checklist

Vista Work Order #: 1701038 TAT Std

Samples Arrival:	Date/Time 8/11/17 0929	Initials: SR	Location: WR-2
Logged In:	Date/Time 8/14/17 1100	Initials: SR	Location: WR-2
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
Temp °C:	0.0 (uncorrected)	Time: 0939	DT-1
Temp °C:	-0.4 (corrected)	Probe used: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: TR-1

	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	Trk # 7798 9994 4450	<input checked="" type="checkbox"/>	
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"/> (A)		
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"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> Trizma	<input type="checkbox"/> None
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	<input checked="" type="checkbox"/> NA

Comments: (A) COC met at receipt SR 8/11/17

August 25, 2017

Vista Work Order No. 1701038

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

Dear Ms. Hill,

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

Sincerely,

Martha Maier
Laboratory Director



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Vista Work Order No. 1701038

Case Narrative

Sample Condition on Receipt:

Two groundwater 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. As requested, the sample IDs were updated to "MW-BG04-0817" and "OC-EB081017".

Analytical Notes:

Modified EPA Method 537

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

Holding Times

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

Quality Control

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

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

The extracts were re-injected because one or more Injection Internal Standard Analyte response areas were outside of criteria. The MB and OPR area results were similar in the second injections; the results from the original injections have been reported. The sample results have been reported from the second injections, which passed the area criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701038-01	MW-BG04R-0817	10-Aug-17 10:10	11-Aug-17 09:29	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1701038-02	OC-EB081017	10-Aug-17 10:15	11-Aug-17 09:29	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: Method Blank						Modified EPA Method 537			
Matrix: Aqueous Sample Size: 0.250 L		QC Batch: B7H0078 Date Extracted: 14-Aug-2017 9:21		Lab Sample: B7H0078-BLK1 Date Analyzed: 14-Aug-17 18:10 Column: BEH C18					
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFBS	ND	0.895	2.50	4.00		IS 13C3-PFBS	121	50 - 150	
PFHpA	ND	0.296	2.50	4.00		IS 13C4-PFHpA	71.8	50 - 150	
PFHxS	ND	0.474	2.50	4.00		IS 18O2-PFHxS	99.6	50 - 150	
PFOA	ND	0.326	2.50	4.00		IS 13C2-PFOA	99.3	50 - 150	
PFOS	ND	0.404	2.50	4.00		IS 13C8-PFOS	90.4	50 - 150	
PFNA	ND	0.405	2.50	4.00		IS 13C5-PFNA	90.4	50 - 150	

LCL-UCL - Lower control limit - upper control limit

Results reported to DL.

When reported, PFBS, PFHxS, PFOA and PFOS include both linear and branched isomers.

Only the linear isomer is reported for all other analytes.

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

Matrix: Aqueous	QC Batch: B7H0078	Lab Sample: B7H0078-BS1
Sample Size: 0.250 L	Date Extracted: 14-Aug-2017 9:21	Date Analyzed: 14-Aug-17 17:49 Column: BEH C18

Analyte	Amt Found (ng/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PFBS	41.0	40.0	102	70 - 130	IS 13C3-PFBS	122	50 - 150
PFHpA	38.5	40.0	96.1	70 - 130	IS 13C4-PFHpA	72.5	50 - 150
PFHxS	34.8	40.0	87.0	70 - 130	IS 18O2-PFHxS	101	50 - 150
PFOA	45.0	40.0	112	70 - 130	IS 13C2-PFOA	97.1	50 - 150
PFOS	37.9	40.0	94.8	70 - 130	IS 13C8-PFOS	102	50 - 150
PFNA	42.8	40.0	107	70 - 130	IS 13C5-PFNA	84.1	50 - 150

LCL-UCL - Lower control limit - upper control limit

Sample ID: MW-BG04R-0817

Modified EPA Method 537

Client Data			Sample Data			Laboratory Data			
Name:	CH2M Hill		Matrix:	Groundwater		Lab Sample:	1701038-01	Date Received:	11-Aug-2017 9:29
Project:	NAS Oceana PFOS		Sample Size:	0.116 L		QC Batch:	B7H0078	Date Extracted:	14-Aug-2017 9:21
Date Collected:	10-Aug-2017 10:10					Date Analyzed:	15-Aug-17 18:01	Column:	BEH C18
Location:									

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFBS	8.67	1.92	5.39	8.59		IS 13C3-PFBS	128	50 - 150	
PFHpA	2.72	0.634	5.39	8.59	J	IS 13C4-PFHpA	76.6	50 - 150	
PFHxS	28.3	1.02	5.39	8.59		IS 18O2-PFHxS	109	50 - 150	
PFOA	4.72	0.699	5.39	8.59	J	IS 13C2-PFOA	96.4	50 - 150	
PFOS	ND	0.866	5.39	8.59		IS 13C8-PFOS	104	50 - 150	
PFNA	ND	0.869	5.39	8.59		IS 13C5-PFNA	97.7	50 - 150	

LCL-UCL - Lower control limit - upper control limit

Results reported to DL.

When reported, PFBS, PFHxS, PFOA and PFOS include both linear and branched isomers.

Only the linear isomer is reported for all other analytes.

Sample ID: OC-EB081017

Modified EPA Method 537

Client Data		Sample Data			Laboratory Data				
Name:	CH2M Hill	Matrix:	Groundwater		Lab Sample:	1701038-02	Date Received:	11-Aug-2017 9:29	
Project:	NAS Oceana PFOS	Sample Size:	0.117 L		QC Batch:	B7H0078	Date Extracted:	14-Aug-2017 9:21	
Date Collected:	10-Aug-2017 10:15				Date Analyzed:	15-Aug-17 18:11 Column: BEH C18			
Location:									

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFBS	ND	1.91	5.34	8.53		IS 13C3-PFBS	119	50 - 150	
PFHpA	ND	0.630	5.34	8.53		IS 13C4-PFHpA	79.1	50 - 150	
PFHxS	ND	1.01	5.34	8.53		IS 18O2-PFHxS	105	50 - 150	
PFOA	ND	0.694	5.34	8.53		IS 13C2-PFOA	94.6	50 - 150	
PFOS	ND	0.861	5.34	8.53		IS 13C8-PFOS	94.5	50 - 150	
PFNA	ND	0.864	5.34	8.53		IS 13C5-PFNA	92.9	50 - 150	

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Results reported to DL.

When reported, PFBS, PFHxS, PFOA and PFOS include both linear and branched isomers.

Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1175673
New Hampshire Environmental Accreditation Program	207716
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	013
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	8621
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	EPA 1613B

Dilution GC/HRMS	
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

Sample Log-in Checklist

Vista Work Order #: 1701038 TAT Std

Samples Arrival:	Date/Time 8/11/17 0929	Initials: SR	Location: WR-2
Logged In:	Date/Time 8/14/17 1100	Initials: SR	Location: WR-2
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
Temp °C:	0.0 (uncorrected)	Time: 0939	Thermometer ID: DT-1 TR-1
Temp °C:	-0.4 (corrected)	Probe used: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

	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	Trk # 7798 9994 4450	<input checked="" type="checkbox"/>	
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"/> (A)		
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"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> Trizma	<input type="checkbox"/> None
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	

Comments: (A) COC met at receipt SR 8/11/17

EXTRACTION INFORMATION

Process Sheet
Workorder: 1701038

Prep Expiration: 2017-Aug-24
Client: CH2M Hill

Workorder Due: 25-Aug-17 00:00

TAT: 14

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

Prep Batch: B7H0078

Prep Data Entered: 8.15.17 Ae
Date and Initials

Version: UCMR 3 (6 Analyte)

Initial Sequence: _____

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
1701038-01 "A"	<input checked="" type="checkbox"/>	OC-PFC-MW04R-0817	11-Aug-17 09:29	WR-2 E-4	
1701038-02 "A"	<input checked="" type="checkbox"/>	OC-PFC-EB081017	11-Aug-17 09:29	WR-2 E-4	

WO Comments: List of 6, include Total PFOA.

Vista PM: Martha Maier

Vial Box ID: M:115 Steak

Sample Reconciled By: KBF 8/14/17

Batch: B7H0078

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1700862-01RE1	0.00025 ✓	NA	NA	1000	14-Aug-17 09:21	KBF			Aqueous	537M PFAS DOD (LOQ as
1700907-04RE1	0.11879 ✓			1000	14-Aug-17 09:21	KBF			Water	537M PFAS DOD (LOQ as
1701031-01	0.11417 ✓			1000	14-Aug-17 09:21	KBF			Groundwater	537M PFAS DOD (LOQ as
1701031-02	0.11783 ✓			1000	14-Aug-17 09:21	KBF			Groundwater	537M PFAS DOD (LOQ as
1701031-03	0.06438 ✓			1000	14-Aug-17 09:21	KBF			Groundwater	537M PFAS DOD (LOQ as
1701031-04	0.11638 ✓			1000	14-Aug-17 09:21	KBF			Groundwater	537M PFAS DOD (LOQ as
1701034-01	0.11955 ✓			1000	14-Aug-17 09:21	KBF			Water	537M PFAS DOD (LOQ as
1701034-02	0.11568 ✓			1000	14-Aug-17 09:21	KBF			Water	537M PFAS DOD (LOQ as
1701034-03	0.11439 ✓			1000	14-Aug-17 09:21	KBF			Water	537M PFAS DOD (LOQ as
1701034-04	0.10972 ✓			1000	14-Aug-17 09:21	KBF			Water	537M PFAS DOD (LOQ as
1701034-05	0.11548 ✓			1000	14-Aug-17 09:21	KBF			Water	537M PFAS DOD (LOQ as
1701034-06	0.09784 ✓			1000	14-Aug-17 09:21	KBF			Water	537M PFAS DOD (LOQ as
1701038-01	0.11646 ✓			1000	14-Aug-17 09:21	KBF			Groundwater	537M PFAS DOD (LOQ as
1701038-02	0.11718 ✓			1000	14-Aug-17 09:21	KBF			Groundwater	537M PFAS DOD (LOQ as
B7H0078-BLK1	0.25			1000	14-Aug-17 09:21	KBF				QC
B7H0078-BS1	0.25			1000	14-Aug-17 09:21	KBF	17G2428 ✓	10 ✓		QC
B7H0078-MS1	0.11881 ✓			1000	14-Aug-17 09:21	KBF	17G2428 ✓	10 ✓		QC
B7H0078-MSD1	0.117 ✓			1000	14-Aug-17 09:21	KBF	17G2428 ✓	10 ✓		QC

7K
8/15/17

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOO as mRL)

B7H0078

Chemist: G. Mendida

Prep Date/Time: ~~11-Aug-17 11:35~~
14-Aug-17 09:24

Prepared using: LCMS - SPE Extraction-LCMS

C	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	NA SPE	RS CHEM/WIT DATE
<input checked="" type="checkbox"/>	B7H0078-BLK1										
<input type="checkbox"/>	B7H0078-BS1										
<input type="checkbox"/>	B7H0078-MS1										
<input type="checkbox"/>	1701034-02										
<input type="checkbox"/>	B7H0078-MSD1										
<input type="checkbox"/>	1701034-02										
<input checked="" type="checkbox"/>	1700862-01RE1										
<input type="checkbox"/>	1700907-04RE1 (A)	7	2	0	7	145.81	27.02	0.11879	DM KBF 8/14/17	KBF 8/14/17	DM KBF 8/14/17
<input checked="" type="checkbox"/>	1701031-01										
<input type="checkbox"/>	1701031-02										
<input type="checkbox"/>	1701031-03										
<input type="checkbox"/>	1701031-04										
<input type="checkbox"/>	1701034-01										
<input type="checkbox"/>	1701034-02										
<input type="checkbox"/>	1701034-03										
<input type="checkbox"/>	1701034-04										
<input type="checkbox"/>	1701034-05										
<input checked="" type="checkbox"/>	1701034-06										

IS Name (V2) 17G1307, 10ml NS Name (V5) 17G2428, 10ml RS Name (V2) 17H0108, 10ml

SPE Chem: Strata-X-AW 33um 200um/6ml
 Ele SOLV: MeOH / 0.5% NH4OH in MeOH
 Final Volume(s) 1ml

Check Out: KBF 8/14/17
 Chemist/Date:
 Check In: NA
 Chemist/Date:
 Balance ID: HRMS-8
 pH Adjusted: 8/14/17 KBF
 Chemist/Date:

Comments: Assume 1 g = 1 mL (A) Sample centrifuged to remove particulate matter KBF 8/14/17

PREPARATION BENCH SHEET

Matrix: Aqueous

B7H0078

Chemist: G. Mendiola

Method: 537M PFAS DOD (LOO as mRL)

Prep Date/Time: ~~11-Aug-17 11:35~~
14-Aug-17 09:24

Prepared using: LCMS - SPE Extraction-LCMS

C	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	NA	RS CHEM/WIT DATE
										SPE	
<input type="checkbox"/>	1701038-01 (D)	5	2	0	2	143.36	26.90	0.11646	DM KBF 8/14/17	KBF 8/14/17	DM KBF 8/14/17
<input type="checkbox"/>	1701038-02 (D)	7	2	0	3	144.26	27.08	0.11718	↓	↓	↓

(D) Samples re-added to batch KBF 8/14/17

IS Name <u>17G1307, 10ml</u> (V3)	NS Name <u>17G2428, 10ml</u> (VS)	RS Name <u>17H0108, 10ml</u> (V2)	SPE Chem: <u>Strata-XAW 33um 200mg/6ml</u>	Check Out: <u>KBF 8/14/17</u>
			Ele SOLV: <u>MeOH/0.5% NH4OH in MeOH</u>	Check In: <u>NA</u>
			Final Volume(s) <u>1ml</u>	Balance ID: <u>HRMS-8</u>
				pH Adjusted: <u>KBF 8/14/17</u>

Comments: Assume 1 g = 1 mL

PREPARATION BENCH SHEET

Matrix: Aqueous

B7H0078

Chemist: G. Mendola

Method: 537M PFAS DOD (LOO as mRL)

Prep Date/Time: ~~11-Aug-17 11:33~~

14-Aug-17 09:21

Prepared using: LCMS - SPE Extraction-LCMS

C	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	NA	RS CHEM/WIT DATE
										SPE	
<input type="checkbox"/>	B7H0078-BLK1	5	2	0	4	NA	NA	(0.250)	WOM KBF 8/14/17	KBF 8/14/17	on KBF 8/14/17
<input type="checkbox"/>	B7H0078-BS1	5	2	0	4	↓	↓	(0.250)			
<input type="checkbox"/>	B7H0078-MS1 1701031-02 (A)	6	2	0	2	146.24	27.43	0.11881			
<input type="checkbox"/>	B7H0078-MSD1 1701031-02 (A)	6	2	0	2	145.04	27.34	0.11700			
<input type="checkbox"/>	1700862-01RE1 (E)	5	2	0	4	NA	KBF 26.27 17/17	0.250			
<input type="checkbox"/>	1701031-01	6	2	0	2	143.39	29.22	0.11417			
<input type="checkbox"/>	1701031-02	6	2	0	2	147.46	29.43	0.11783			
<input type="checkbox"/>	1701031-03 (A)(C)	6	2	0	2	93.27	28.89	0.06438			
<input type="checkbox"/>	1701031-04	6	2	0	2	145.96	29.58	0.11638			
<input type="checkbox"/>	1701034-01 (A)	5	2	0	2	147.01	27.46	0.11955			
<input type="checkbox"/>	1701034-02 (A)	6	2	0	2	143.08	27.40	0.11568			
<input type="checkbox"/>	1701034-03 (A)	6	2	0	2	141.68	27.29	0.11439			
<input type="checkbox"/>	1701034-04 (A)(B)	6	2	0	2	136.97	27.25	0.10972			
<input type="checkbox"/>	1701034-05	5	2	0	2	142.81	27.33	0.11548			
<input type="checkbox"/>	1701034-06 (A)(B)	6	2	0	2	125.19	27.35	0.09781			
<input type="checkbox"/>	1701038-01								Removed from batch KBF 8/11/17		

IS Name <u>1761307, 10mL</u> (V2)	NS Name <u>1762428, 10mL</u> (V5)	RS Name <u>17H0108, 10mL</u> (V2)	SPE Chem: <u>Strata-X-AW 33um 200mg/6mL</u>	Check Out: <u>KBF 8/11/17</u>
			Ele SOLV: <u>MeOH/0.5% NH₄OH in MeOH</u>	Check In: <u>NA</u>
			Final Volume(s) <u>1mL</u>	Chemist/Date: <u>NA</u>
				Balance ID: <u>HRMS-8</u>
				pH Adjusted: <u>KBF 8/11/17</u>
				Chemist/Date: <u>KBF 8/11/17</u>

Comments: Assume 1 g = 1 mL (A) Samples Centrifuged to remove particulate matter KBF 8/11/17 (C) only ~ 60mL Sample volume present KBF 8/11/17 (B) Samples Centrifuged a second time to further remove particulate matter KBF 8/11/17 (E) Pre-weighed bottle; added ~ 150mL of acid adjusted HPLC H₂O; added 250um sample; added more HPLC to bring sample mass to 250.00g KBF 8/14/17

SAMPLE DATA – MODIFIED EPA METHOD 537

Dataset: U:\Q4.PRO\results\170814M1\170814M1-21.qld

Last Altered: Tuesday, August 22, 2017 10:43:34 Pacific Daylight Time

Printed: Friday, August 25, 2017 15:58:29 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 15 Aug 2017 11:47:25

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170814M1_21, Date: 14-Aug-2017, Time: 18:10:21, ID: B7H0078-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299 > 79.7		1.18e3	0.2500		3.06				
2	5	PFHpA	363 > 318.9		8.18e3	0.2500		3.51				
3	6	PFHxS	398.9 > 79.6		7.92e2	0.2500		3.58				
4	8	PFOA	413 > 368.7		1.13e4	0.2500		3.71				
5	10	PFNA	462.9 > 418.8		9.46e3	0.2500		3.90				
6	12	PFOS	499 > 79.9		1.61e3	0.2500		3.96				
7	30	13C3-PFBS	302 > 98.8	1.18e3	1.19e4	0.2500	0.033	2.94	2.93	0.496	60.3	120.6
8	32	13C4-PFHpA	367.2 > 321.8	8.18e3	1.19e4	0.2500	0.384	3.51	3.41	3.45	35.9	71.8
9	33	18O2-PFHxS	403 > 102.6	7.92e2	1.91e3	0.2500	0.417	3.58	3.48	5.19	49.8	99.6

Dataset: U:\Q4.PRO\results\170814M1\170814M1-21.qld

Last Altered: Tuesday, August 22, 2017 10:43:34 Pacific Daylight Time

Printed: Friday, August 25, 2017 15:58:39 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 15 Aug 2017 11:47:25

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170814M1_21, Date: 14-Aug-2017, Time: 18:10:21, ID: B7H0078-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	35 13C2-PFOA	414.9 > 369.7	1.13e4	1.00e4	0.2500	1.132	3.71	3.62	14.1	49.7	99.3
2	36 13C5-PFNA	468.2 > 422.9	9.46e3	1.11e4	0.2500	0.946	3.90	3.80	10.7	45.2	90.4
3	38 13C8-PFOS	507 > 79.9	1.61e3	1.72e3	0.2500	1.040	3.96	3.85	11.7	45.2	90.4
4	52 13C5-PFHxA	318 > 272.9	1.19e4	1.19e4	0.2500	1.000	3.26	3.15	5.00	20.0	100.0
5	53 13C3-PFHxS	401.9 > 79.9	1.91e3	1.91e3	0.2500	1.000	3.58	3.48	12.5	50.0	100.0
6	54 13C8-PFOA	421.3 > 376	1.00e4	1.00e4	0.2500	1.000	3.71	3.62	12.5	50.0	100.0
7	55 13C9-PFNA	472.2 > 426.9	1.11e4	1.11e4	0.2500	1.000	3.90	3.80	12.5	50.0	100.0
8	56 13C4-PFOS	503 > 79.9	1.72e3	1.72e3	0.2500	1.000	3.96	3.85	12.5	50.0	100.0
9	59 Total PFBS	299 > 79.7	0.00e0	1.18e3	0.2500		3.06		0.000		
10	60 Total PFHxS	398.9 > 79.6	0.00e0	7.92e2	0.2500		3.58		0.000		
11	61 Total PFOA	413 > 368.7	0.00e0	1.13e4	0.2500		3.71		0.000		
12	62 Total PFOS	499 > 79.9	0.00e0	1.61e3	0.2500		3.96		0.000		

Dataset: U:\Q4.PRO\results\170814M1\170814M1-21.qld

Last Altered: Tuesday, August 22, 2017 10:43:34 Pacific Daylight Time

Printed: Friday, August 25, 2017 15:58:39 Pacific Daylight Time

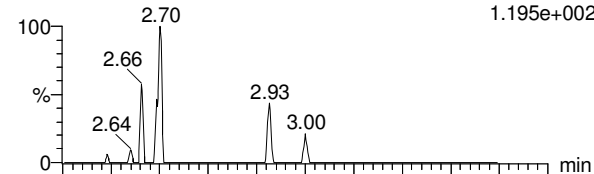
Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 15 Aug 2017 11:47:25

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

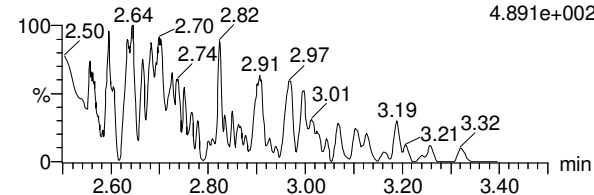
Name: 170814M1_21, Date: 14-Aug-2017, Time: 18:10:21, ID: B7H0078-BLK1 Method Blank 0.125, Description: Method Blank

Total PFBS

170814M1_21 Smooth(Mn,1x2) F6:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 299 > 79.7
1.195e+002

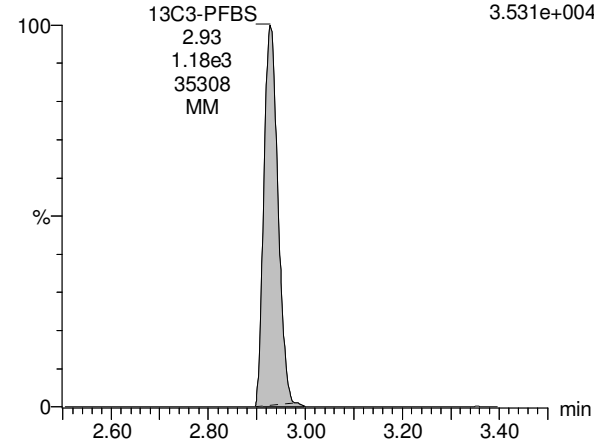


170814M1_21 Smooth(Mn,1x2) F6:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 299 > 99
4.891e+002



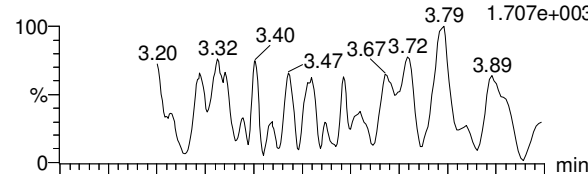
13C3-PFBS

170814M1_21 Smooth(Mn,1x2) F7:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 302 > 98.8
3.531e+004

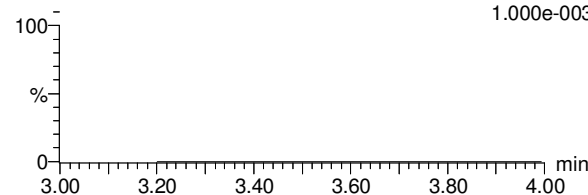


PFHpA

170814M1_21 Smooth(Mn,1x2) F14:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 363 > 318.9
1.707e+003

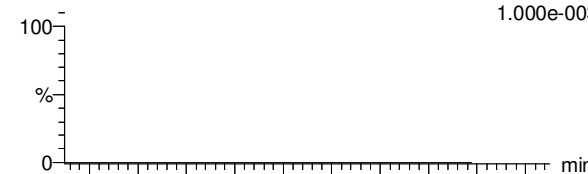


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1.000e-003

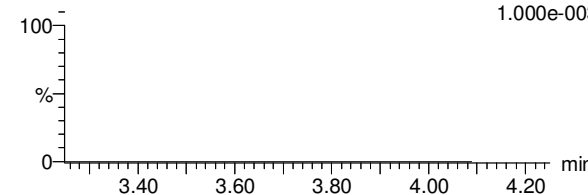


Total PFHxS

170814M1_21 Smooth(Mn,1x2) F16:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 398.9 > 79.6
1.000e-003

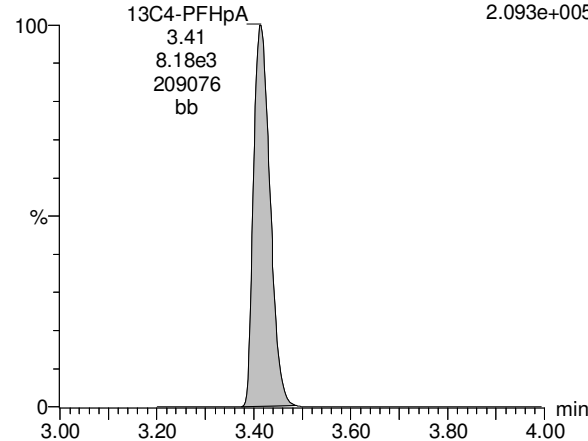


170814M1_21 Smooth(Mn,1x2) F16:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 398.9 > 99
1.000e-003



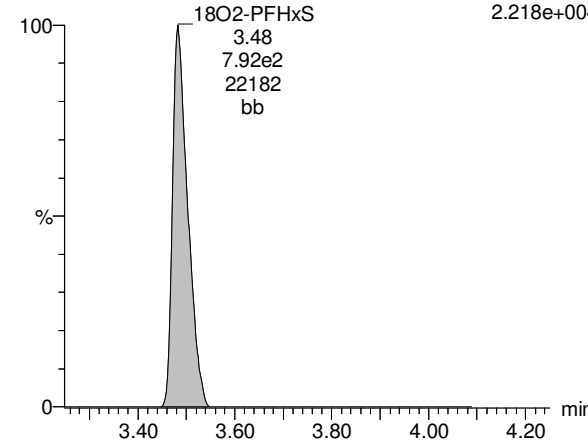
13C4-PFHpA

170814M1_21 Smooth(Mn,1x2) F15:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 367.2 > 321.8
2.093e+005



18O2-PFHxS

170814M1_21 Smooth(Mn,1x2) F18:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 403 > 102.6
2.218e+004



Dataset: U:\Q4.PRO\results\170814M1\170814M1-21.qld

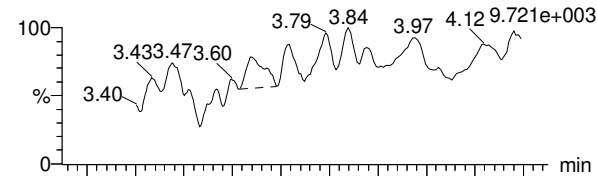
Last Altered: Tuesday, August 22, 2017 10:43:34 Pacific Daylight Time

Printed: Friday, August 25, 2017 15:58:39 Pacific Daylight Time

Name: 170814M1_21, Date: 14-Aug-2017, Time: 18:10:21, ID: B7H0078-BLK1 Method Blank 0.125, Description: Method Blank

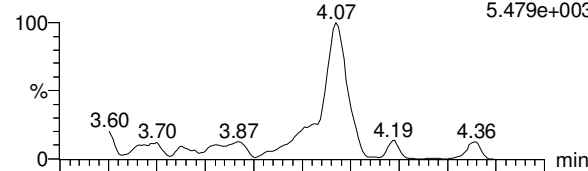
Total PFOA

170814M1_21 Smooth(Mn,1x2) F19:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 413 > 368.7
1.051e+003



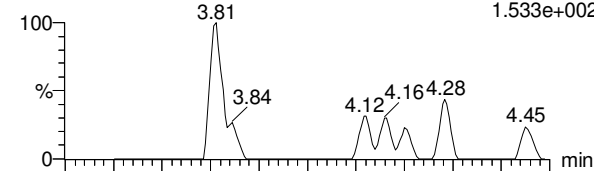
PFNA

170814M1_21 Smooth(Mn,1x2) F25:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 462.9 > 418.8
5.479e+003

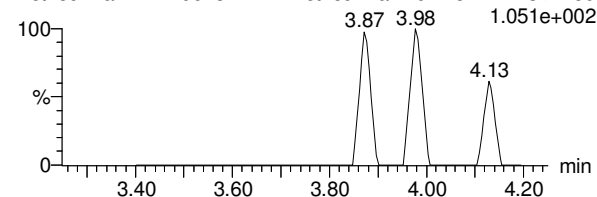


Total PFOS

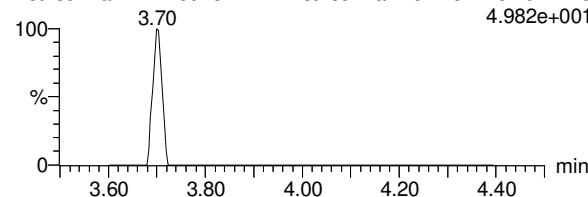
170814M1_21 Smooth(Mn,1x2) F30:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 499 > 79.9
1.533e+002



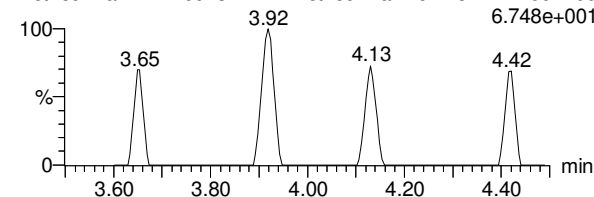
170814M1_21 Smooth(Mn,1x2) F19:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 413 > 169
1.051e+002



170814M1_21 Smooth(Mn,1x2) F25:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 462.9 > 219
4.982e+001

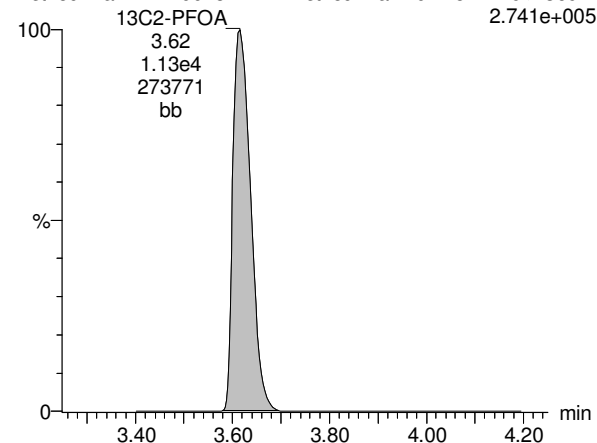


170814M1_21 Smooth(Mn,1x2) F30:MRM of 2 channels,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 499 > 99
6.748e+001



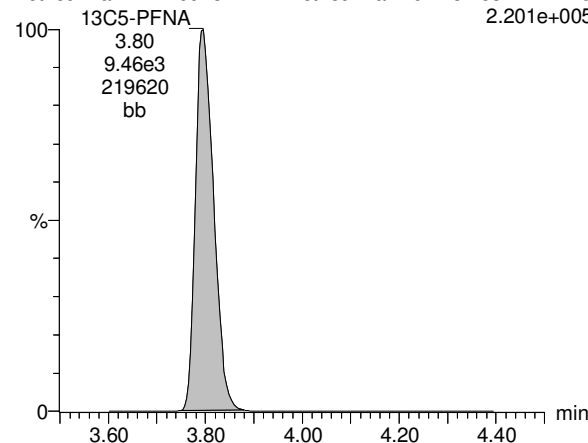
13C2-PFOA

170814M1_21 Smooth(Mn,1x2) F20:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 414.9 > 369.7
2.741e+005



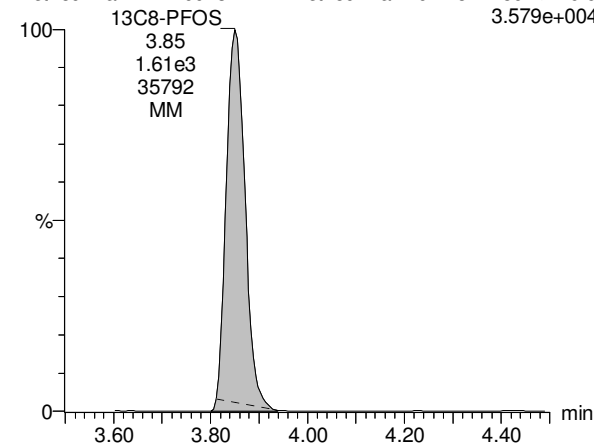
13C5-PFNA

170814M1_21 Smooth(Mn,1x2) F26:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 468.2 > 422.9
2.201e+005



13C8-PFOS

170814M1_21 Smooth(Mn,1x2) F33:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 507 > 79.9
3.579e+004



Dataset: U:\Q4.PRO\results\170814M1\170814M1-21.qld

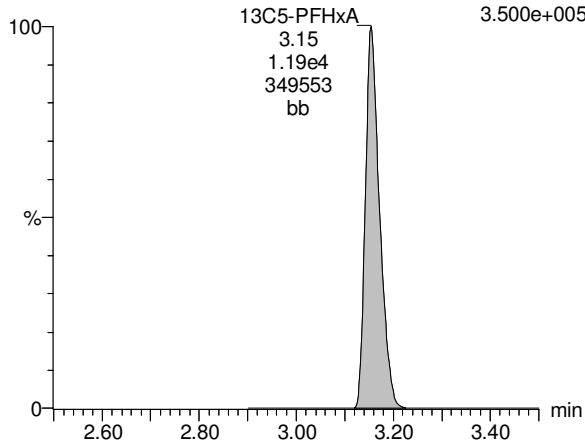
Last Altered: Tuesday, August 22, 2017 10:43:34 Pacific Daylight Time

Printed: Friday, August 25, 2017 15:58:39 Pacific Daylight Time

Name: 170814M1_21, Date: 14-Aug-2017, Time: 18:10:21, ID: B7H0078-BLK1 Method Blank 0.125, Description: Method Blank

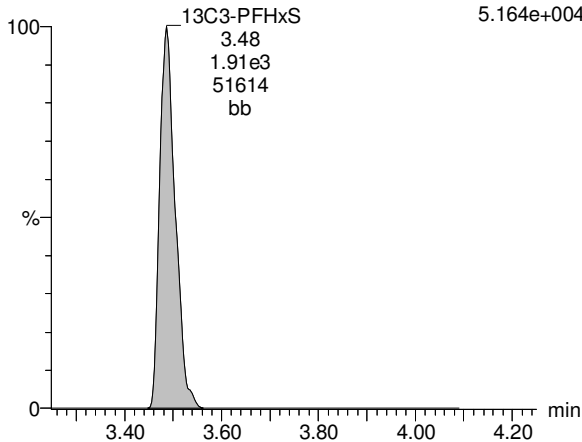
13C5-PFHxA

170814M1_21 Smooth(Mn,1x2) F10:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 318 > 272.9
3.500e+005



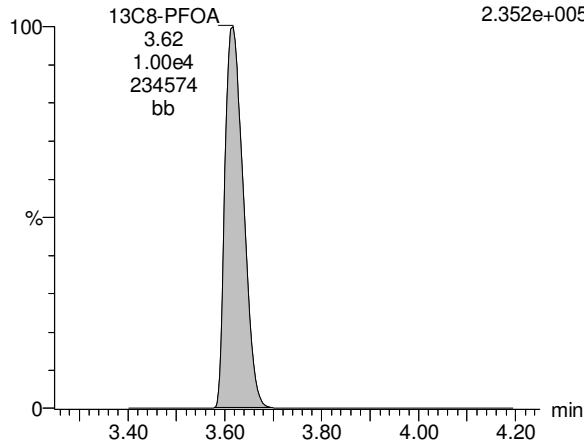
13C3-PFHxS

170814M1_21 Smooth(Mn,1x2) F17:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 401.9 > 79.9
5.164e+004



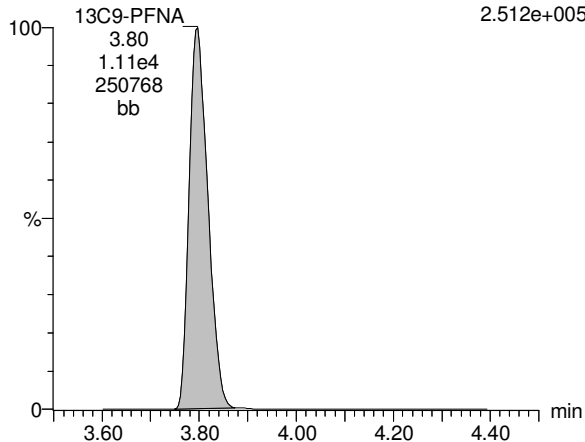
13C8-PFOA

170814M1_21 Smooth(Mn,1x2) F21:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 421.3 > 376
2.352e+005



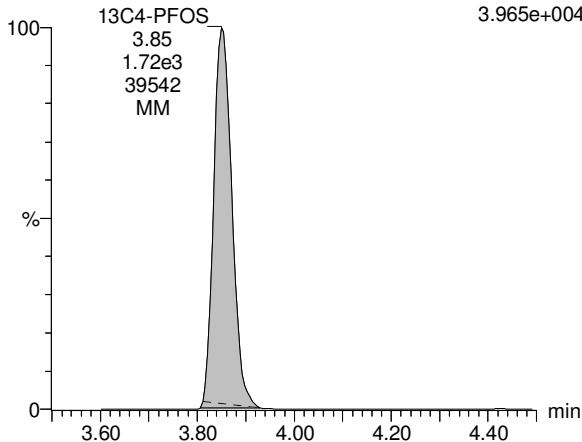
13C9-PFNA

170814M1_21 Smooth(Mn,1x2) F27:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 472.2 > 426.9
2.512e+005



13C4-PFOS

170814M1_21 Smooth(Mn,1x2) F31:MRM of 1 channel,ES-
Method Blank B7H0078-BLK1 Method Blank 0.125 503 > 79.9
3.965e+004



Dataset: U:\Q4.PRO\results\170814M1\170814M1-19.qld

Last Altered: Monday, August 21, 2017 14:06:50 Pacific Daylight Time

Printed: Friday, August 25, 2017 15:56:25 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 15 Aug 2017 11:47:25

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170814M1_19, Date: 14-Aug-2017, Time: 17:49:06, ID: B7H0078-BS1 OPR 0.125, Description: OPR

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299 > 79.7	1.70e3	1.20e3	0.2500		3.06	2.95	17.7	41.0	102.4
2	5 PFHpA	363 > 318.9	7.62e3	8.36e3	0.2500		3.51	3.43	11.4	38.5	96.1
3	6 PFHxS	398.9 > 79.6	9.35e2	7.64e2	0.2500		3.58	3.50	15.3	34.8	87.0
4	8 PFOA	413 > 368.7	9.66e3	1.08e4	0.2500		3.71	3.63	11.2	45.0	112.4
5	10 PFNA	462.9 > 418.8	8.58e3	9.76e3	0.2500		3.90	3.81	11.0	42.8	106.9
6	12 PFOS	499 > 79.9	1.58e3	1.96e3	0.2500		3.96	3.87	10.1	37.9	94.8
7	30 13C3-PFBS	302 > 98.8	1.20e3	1.20e4	0.2500	0.033	2.94	2.95	0.500	60.8	121.7
8	32 13C4-PFHpA	367.2 > 321.8	8.36e3	1.20e4	0.2500	0.384	3.51	3.43	3.48	36.3	72.5
9	33 18O2-PFHxS	403 > 102.6	7.64e2	1.82e3	0.2500	0.417	3.58	3.50	5.24	50.3	100.5

Dataset: U:\Q4.PRO\results\170814M1\170814M1-19.qld

Last Altered: Monday, August 21, 2017 14:06:50 Pacific Daylight Time

Printed: Friday, August 25, 2017 15:56:46 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 15 Aug 2017 11:47:25

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170814M1_19, Date: 14-Aug-2017, Time: 17:49:06, ID: B7H0078-BS1 OPR 0.125, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	35	13C2-PFOA	414.9 > 369.7	1.08e4	9.83e3	0.2500	1.132	3.71	3.64	13.7	48.6	97.1
2	36	13C5-PFNA	468.2 > 422.9	9.76e3	1.23e4	0.2500	0.946	3.90	3.81	9.95	42.1	84.1
3	38	13C8-PFOS	507 > 79.9	1.96e3	1.85e3	0.2500	1.040	3.96	3.87	13.2	50.9	101.7
4	52	13C5-PFHxA	318 > 272.9	1.20e4	1.20e4	0.2500	1.000	3.26	3.17	5.00	20.0	100.0
5	53	13C3-PFHxS	401.9 > 79.9	1.82e3	1.82e3	0.2500	1.000	3.58	3.50	12.5	50.0	100.0
6	54	13C8-PFOA	421.3 > 376	9.83e3	9.83e3	0.2500	1.000	3.71	3.64	12.5	50.0	100.0
7	55	13C9-PFNA	472.2 > 426.9	1.23e4	1.23e4	0.2500	1.000	3.90	3.82	12.5	50.0	100.0
8	56	13C4-PFOS	503 > 79.9	1.85e3	1.85e3	0.2500	1.000	3.96	3.87	12.5	50.0	100.0
9	59	Total PFBS	299 > 79.7	1.70e3	1.20e3	0.2500		3.06		17.7	41.0	
10	60	Total PFHxS	398.9 > 79.6	9.35e2	7.64e2	0.2500		3.58		15.3	34.8	
11	61	Total PFOA	413 > 368.7	9.66e3	1.08e4	0.2500		3.71		11.2	45.0	
12	62	Total PFOS	499 > 79.9	1.58e3	1.96e3	0.2500		3.96		10.1	37.9	

Dataset: U:\Q4.PRO\results\170814M1\170814M1-19.qld

Last Altered: Monday, August 21, 2017 14:06:50 Pacific Daylight Time

Printed: Friday, August 25, 2017 15:56:46 Pacific Daylight Time

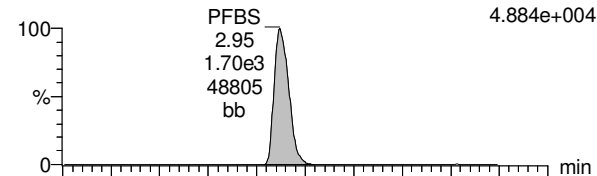
Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 15 Aug 2017 11:47:25

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170814M1_19, Date: 14-Aug-2017, Time: 17:49:06, ID: B7H0078-BS1 OPR 0.125, Description: OPR

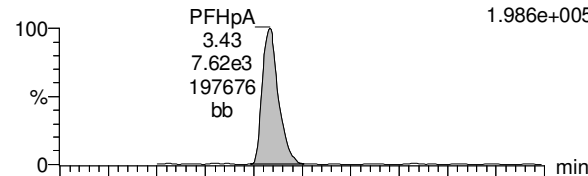
Total PFBS

170814M1_19 Smooth(Mn,1x2) F6:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 299 > 79.7
4.884e+004



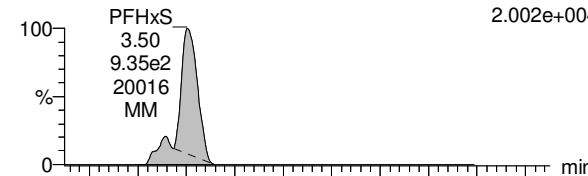
PFHpA

170814M1_19 Smooth(Mn,1x2) F14:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 363 > 318.9
1.986e+005

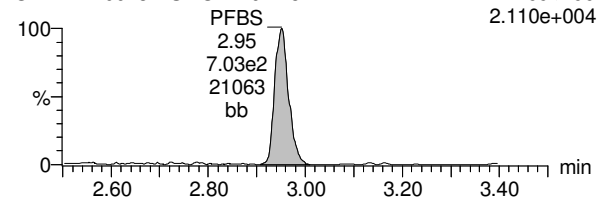


Total PFHxS

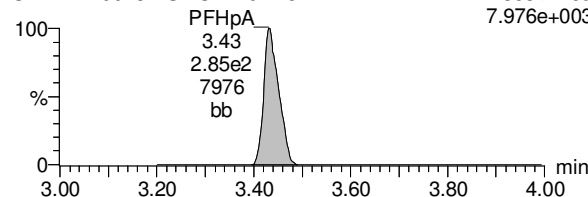
170814M1_19 Smooth(Mn,1x2) F16:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 398.9 > 79.6
2.002e+004



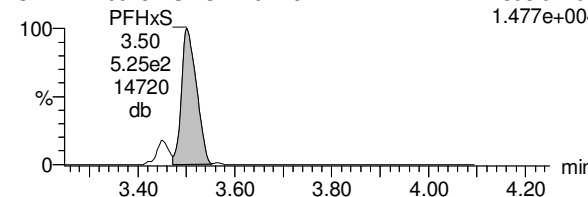
170814M1_19 Smooth(Mn,1x2) F6:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 299 > 99
2.110e+004



170814M1_19 Smooth(Mn,1x2) F14:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 363 > 169
7.976e+003

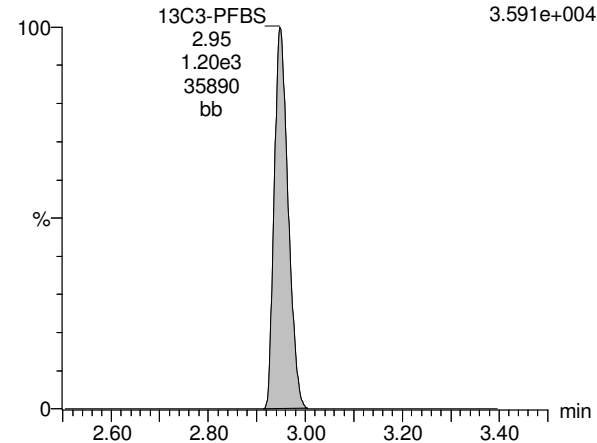


170814M1_19 Smooth(Mn,1x2) F16:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 398.9 > 99
1.477e+004



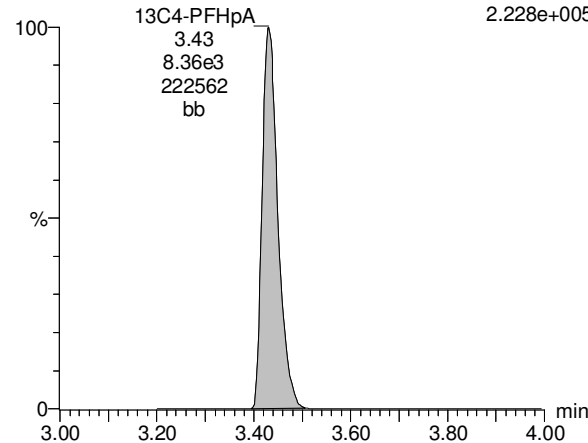
13C3-PFBS

170814M1_19 Smooth(Mn,1x2) F7:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 302 > 98.8
3.591e+004



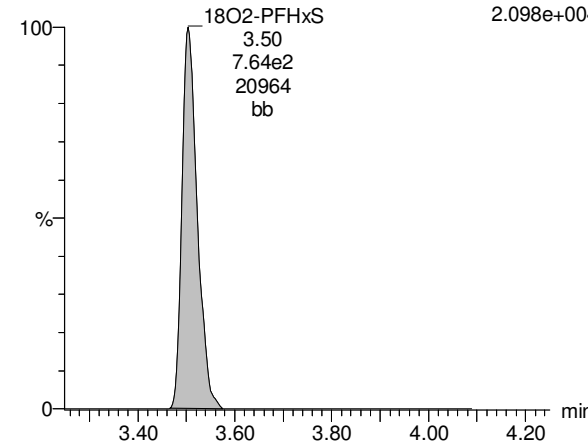
13C4-PFHpA

170814M1_19 Smooth(Mn,1x2) F15:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 367.2 > 321.8
2.228e+005



18O2-PFHxS

170814M1_19 Smooth(Mn,1x2) F18:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 403 > 102.6
2.098e+004



Dataset: U:\Q4.PRO\results\170814M1\170814M1-19.qld

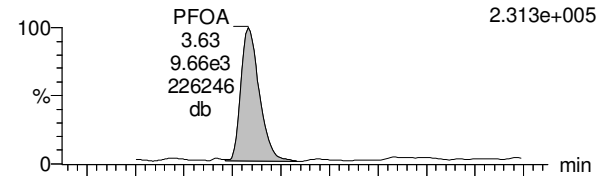
Last Altered: Monday, August 21, 2017 14:06:50 Pacific Daylight Time

Printed: Friday, August 25, 2017 15:56:46 Pacific Daylight Time

Name: 170814M1_19, Date: 14-Aug-2017, Time: 17:49:06, ID: B7H0078-BS1 OPR 0.125, Description: OPR

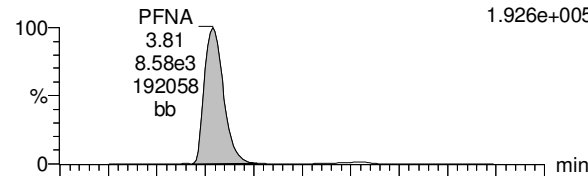
Total PFOA

170814M1_19 Smooth(Mn,1x2) F19:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 413 > 368.7
2.313e+005



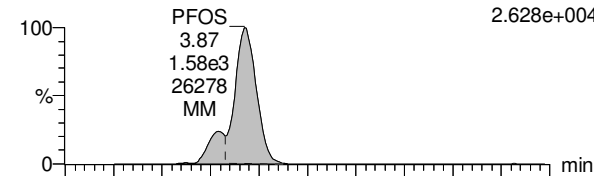
PFNA

170814M1_19 Smooth(Mn,1x2) F25:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 462.9 > 418.8
1.926e+005

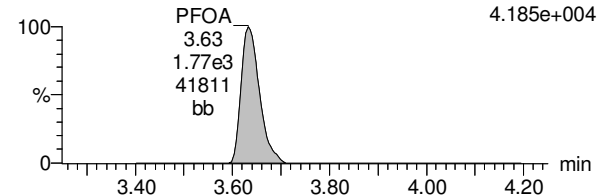


Total PFOS

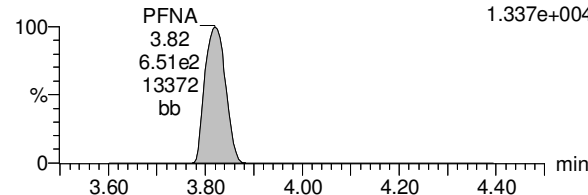
170814M1_19 Smooth(Mn,1x2) F30:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 499 > 79.9
2.628e+004



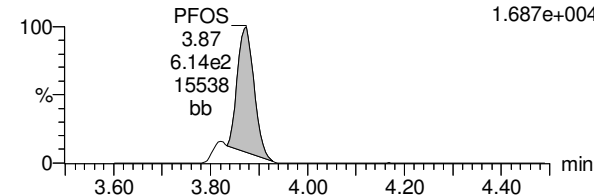
170814M1_19 Smooth(Mn,1x2) F19:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 413 > 169
4.185e+004



170814M1_19 Smooth(Mn,1x2) F25:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 462.9 > 219
1.337e+004

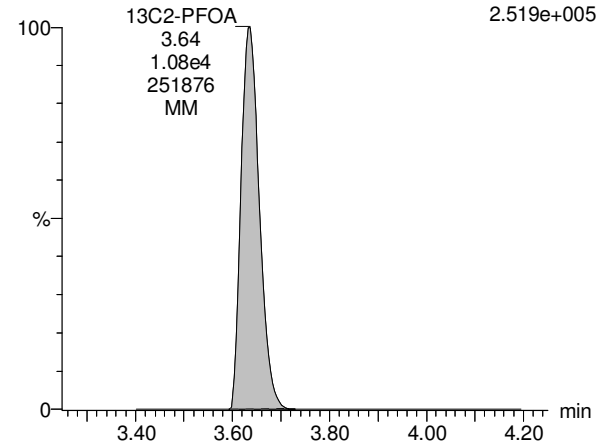


170814M1_19 Smooth(Mn,1x2) F30:MRM of 2 channels,ES-
OPR B7H0078-BS1 OPR 0.125 499 > 99
1.687e+004



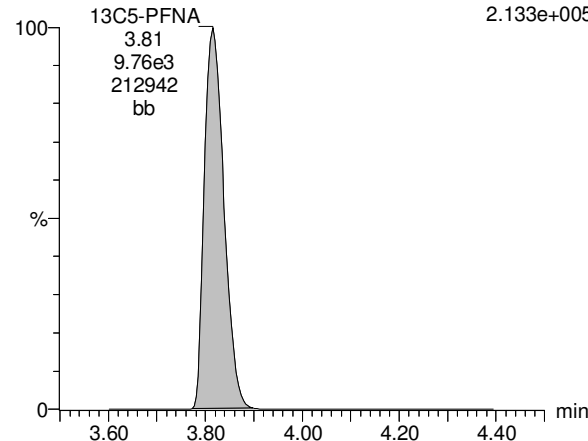
13C2-PFOA

170814M1_19 Smooth(Mn,1x2) F20:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 414.9 > 369.7
2.519e+005



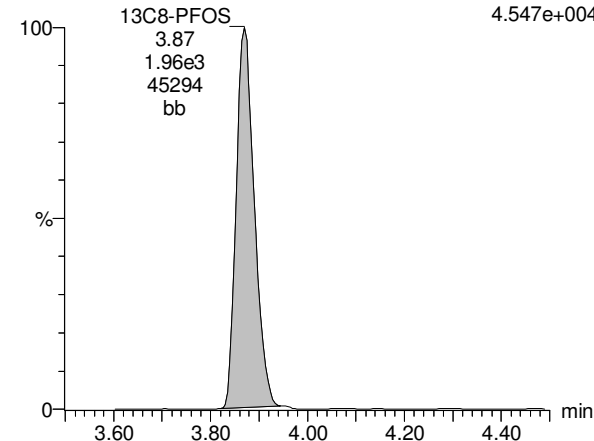
13C5-PFNA

170814M1_19 Smooth(Mn,1x2) F26:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 468.2 > 422.9
2.133e+005



13C8-PFOS

170814M1_19 Smooth(Mn,1x2) F33:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 507 > 79.9
4.547e+004



Dataset: U:\Q4.PRO\results\170814M1\170814M1-19.qld

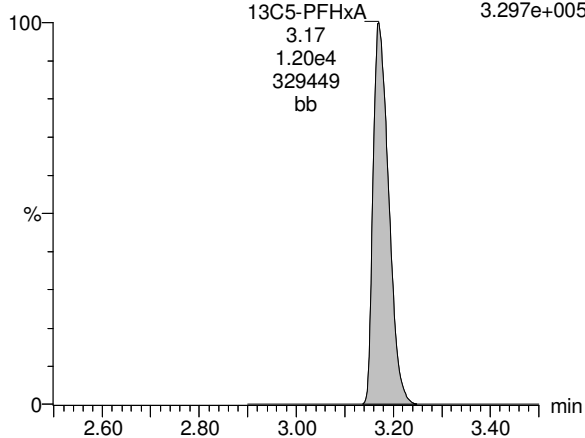
Last Altered: Monday, August 21, 2017 14:06:50 Pacific Daylight Time

Printed: Friday, August 25, 2017 15:56:46 Pacific Daylight Time

Name: 170814M1_19, Date: 14-Aug-2017, Time: 17:49:06, ID: B7H0078-BS1 OPR 0.125, Description: OPR

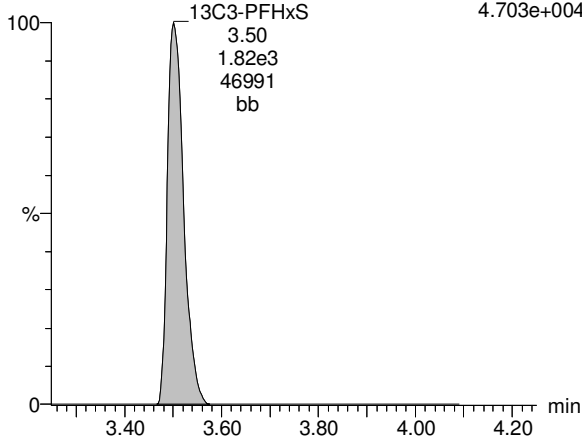
13C5-PFHxA

170814M1_19 Smooth(Mn,1x2) F10:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 318 > 272.9
3.297e+005



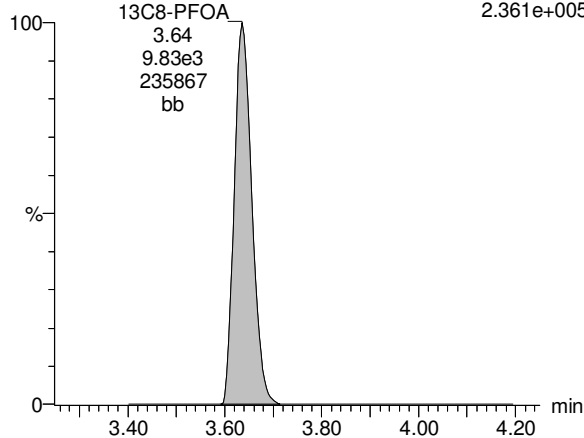
13C3-PFHxS

170814M1_19 Smooth(Mn,1x2) F17:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 401.9 > 79.9
4.703e+004



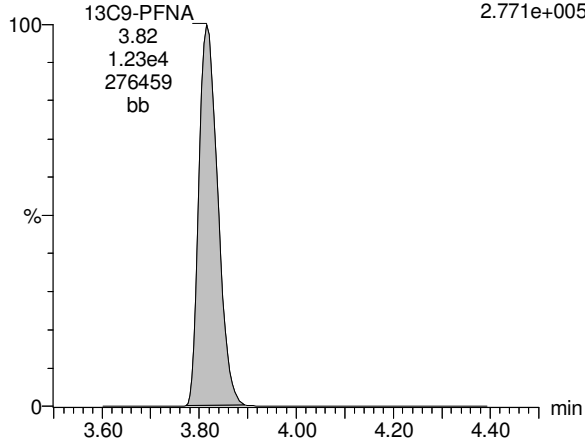
13C8-PFOA

170814M1_19 Smooth(Mn,1x2) F21:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 421.3 > 376
2.361e+005



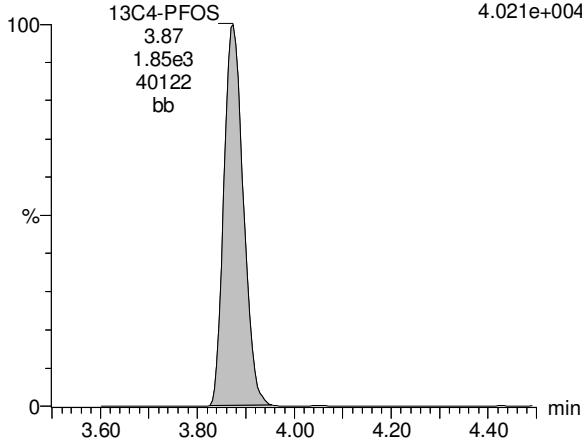
13C9-PFNA

170814M1_19 Smooth(Mn,1x2) F27:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 472.2 > 426.9
2.771e+005



13C4-PFOS

170814M1_19 Smooth(Mn,1x2) F31:MRM of 1 channel,ES-
OPR B7H0078-BS1 OPR 0.125 503 > 79.9
4.021e+004



Dataset: U:\Q4.PRO\results\170815M1\170815M1-27.qld

Last Altered: Friday, August 25, 2017 16:14:51 Pacific Daylight Time

Printed: Friday, August 25, 2017 16:15:29 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-16-17.mdb 16 Aug 2017 09:43:48

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170815M1_27, Date: 15-Aug-2017, Time: 18:01:00, ID: 1701038-01 OC-PFC-MW04R-0817 0.125, Description: OC-PFC-MW04R-0817

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299 > 79.7	7.67e2	5.02e3	0.1165		3.06	2.92	1.91	8.67	
2	5 PFHpA	363 > 318.9	2.47e3	3.52e4	0.1165		3.40	3.41	0.879	2.72	
3	6 PFHxS	398.9 > 79.6	1.64e3	3.57e3	0.1165		3.58	3.48	5.74	28.3	
4	8 PFOA	413 > 368.7	2.17e3	4.51e4	0.1165		3.71	3.62	0.603	3.95	
5	10 PFNA	462.9 > 418.8		3.57e4	0.1165		3.75				
6	12 PFOS	499 > 79.9	1.55e1	8.38e3	0.1165		3.79	3.79	0.0232	0.505	
7	30 13C3-PFBS	302 > 98.8	5.02e3	4.78e4	0.1165	0.033	2.94	2.92	0.525	137	127.8
8	32 13C4-PFHpA	367.2 > 321.8	3.52e4	4.78e4	0.1165	0.384	3.40	3.41	3.68	82.2	76.6
9	33 18O2-PFHxS	403 > 102.6	3.57e3	7.87e3	0.1165	0.417	3.47	3.48	5.67	117	108.7

Dataset: U:\Q4.PRO\results\170815M1\170815M1-27.qld

Last Altered: Friday, August 25, 2017 16:14:51 Pacific Daylight Time

Printed: Friday, August 25, 2017 16:15:38 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-16-17.mdb 16 Aug 2017 09:43:48

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170815M1_27, Date: 15-Aug-2017, Time: 18:01:00, ID: 1701038-01 OC-PFC-MW04R-0817 0.125, Description: OC-PFC-MW04R-0817

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	35 13C2-PFOA	414.9 > 369.7	4.51e4	4.13e4	0.1165	1.132	3.71	3.62	13.6	103	96.4
2	36 13C5-PFNA	468.2 > 422.9	3.57e4	3.87e4	0.1165	0.946	3.75	3.79	11.6	105	97.7
3	38 13C8-PFOS	507 > 79.9	8.38e3	7.77e3	0.1165	1.040	3.84	3.85	13.5	111	103.7
4	52 13C5-PFHxA	318 > 272.9	4.78e4	4.78e4	0.1165	1.000	3.14	3.15	5.00	42.9	100.0
5	53 13C3-PFHxS	401.9 > 79.9	7.87e3	7.87e3	0.1165	1.000	3.47	3.48	12.5	107	100.0
6	54 13C8-PFOA	421.3 > 376	4.13e4	4.13e4	0.1165	1.000	3.71	3.61	12.5	107	100.0
7	55 13C9-PFNA	472.2 > 426.9	3.87e4	3.87e4	0.1165	1.000	3.79	3.79	12.5	107	100.0
8	56 13C4-PFOS	503 > 79.9	7.77e3	7.77e3	0.1165	1.000	3.84	3.85	12.5	107	100.0
9	59 Total PFBS	299 > 79.7	8.37e2	5.02e3	0.1165		3.06		1.91	8.67	
10	60 Total PFHxS	398.9 > 79.6	1.64e3	3.57e3	0.1165		3.58		5.74	28.3	
11	61 Total PFOA	413 > 368.7	3.03e3	4.51e4	0.1165		3.71		0.841	4.72	
12	62 Total PFOS	499 > 79.9	1.55e1	8.38e3	0.1165		3.79		0.0232	0.505	

Dataset: U:\Q4.PRO\results\170815M1\170815M1-27.qld

Last Altered: Friday, August 25, 2017 16:14:51 Pacific Daylight Time

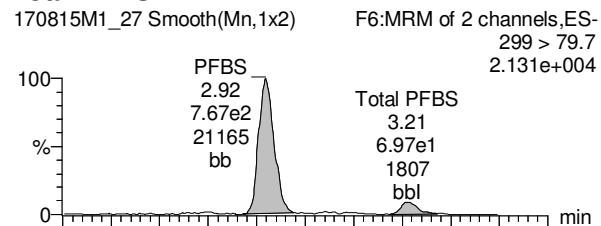
Printed: Friday, August 25, 2017 16:15:38 Pacific Daylight Time

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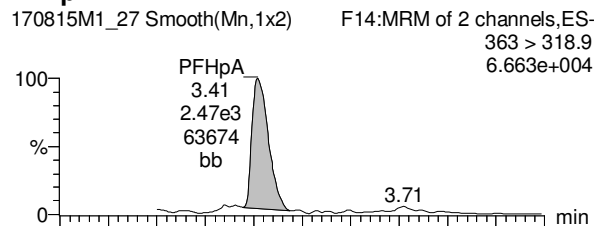
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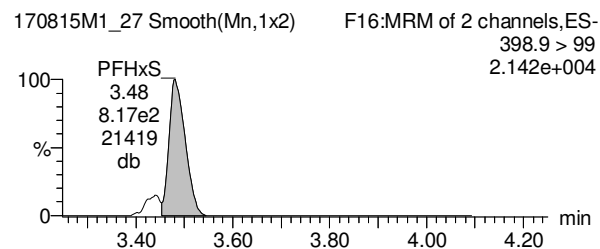
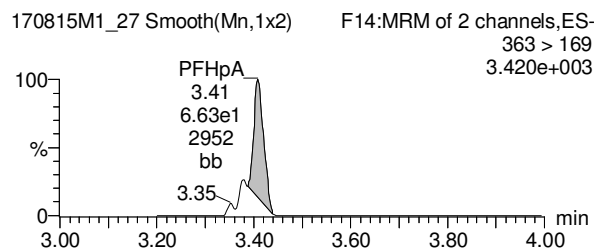
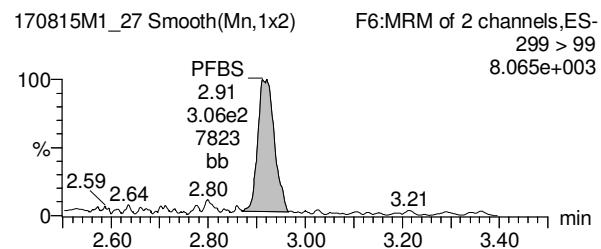
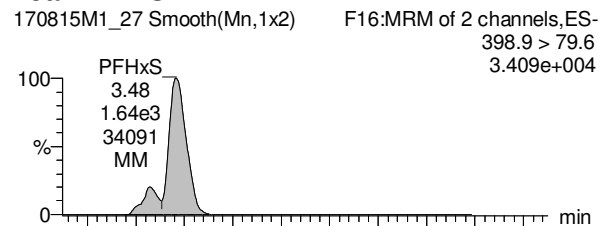
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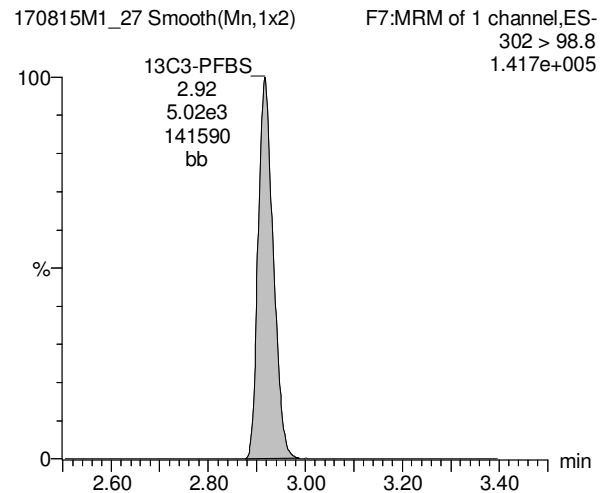
PFHpA



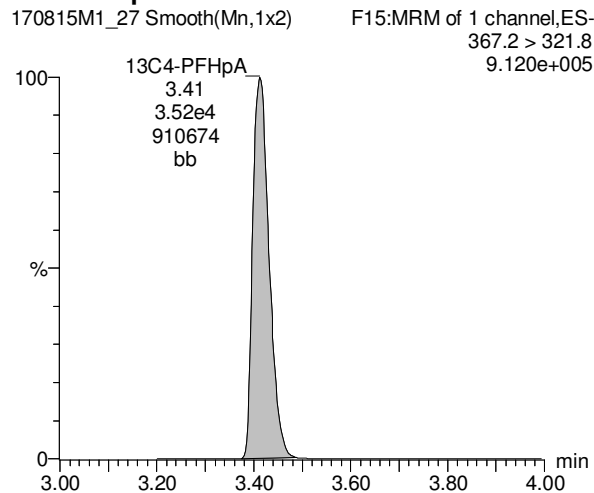
Total PFHxS



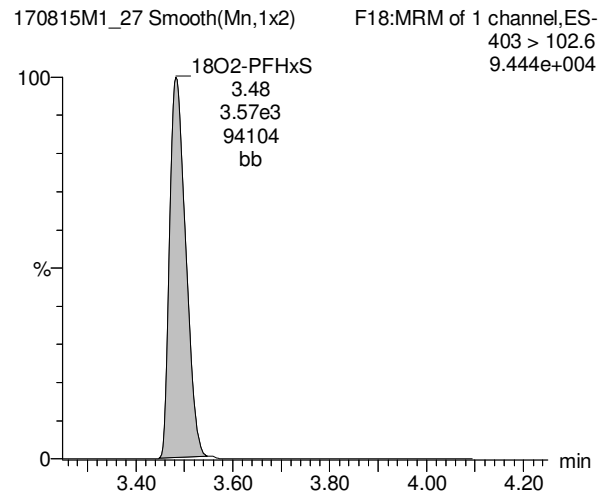
13C3-PFBS



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\170815M1\170815M1-27.qld

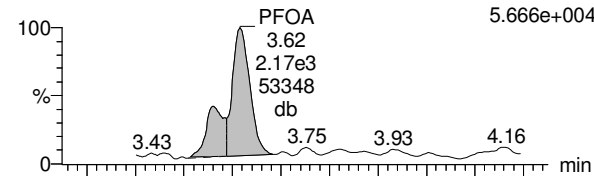
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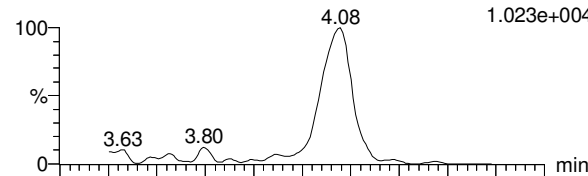
Total PFOA

170815M1_27 Smooth(Mn,1x2) F19:MRM of 2 channels,ES-413 > 368.7
5.666e+004



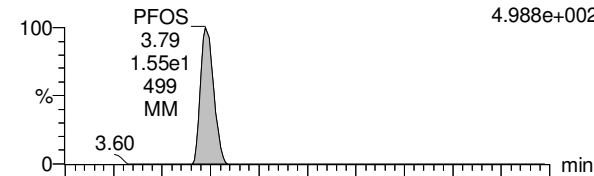
PFNA

170815M1_27 Smooth(Mn,1x2) F25:MRM of 2 channels,ES-462.9 > 418.8
1.023e+004

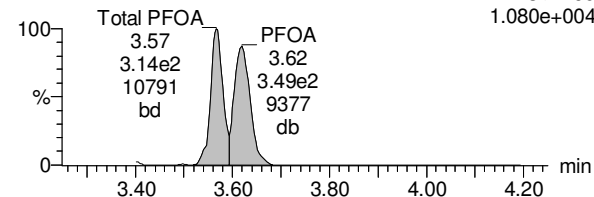


Total PFOS

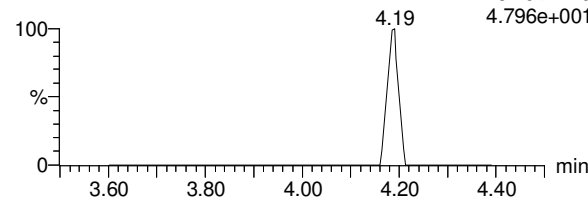
170815M1_27 Smooth(Mn,1x2) F30:MRM of 2 channels,ES-499 > 79.9
4.988e+002



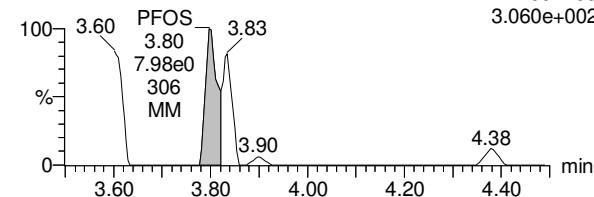
170815M1_27 Smooth(Mn,1x2) F19:MRM of 2 channels,ES-413 > 169
1.080e+004



170815M1_27 Smooth(Mn,1x2) F25:MRM of 2 channels,ES-462.9 > 219
4.796e+001

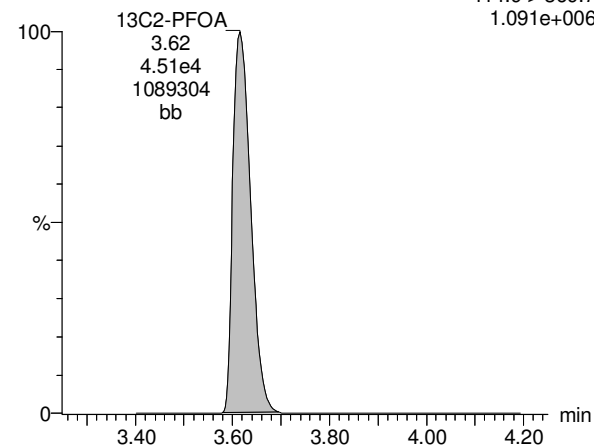


170815M1_27 Smooth(Mn,1x2) F30:MRM of 2 channels,ES-499 > 99
3.060e+002



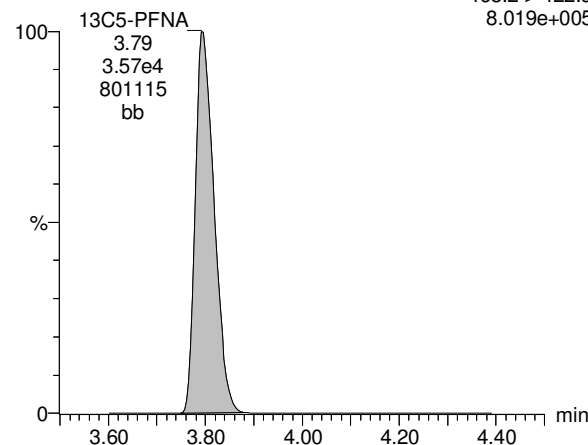
13C2-PFOA

170815M1_27 Smooth(Mn,1x2) F20:MRM of 1 channel,ES-414.9 > 369.7
1.091e+006



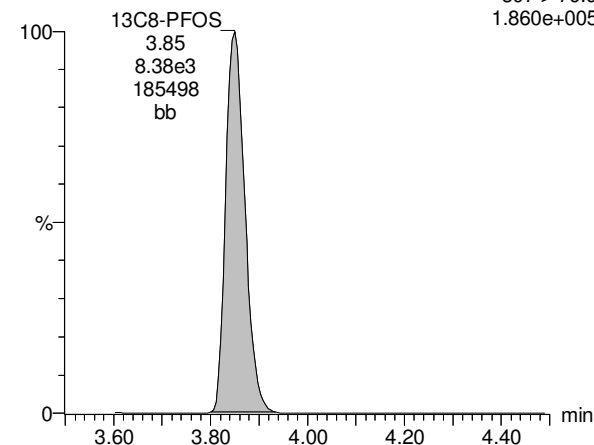
13C5-PFNA

170815M1_27 Smooth(Mn,1x2) F26:MRM of 1 channel,ES-468.2 > 422.9
8.019e+005



13C8-PFOS

170815M1_27 Smooth(Mn,1x2) F33:MRM of 1 channel,ES-507 > 79.9
1.860e+005



Dataset: U:\Q4.PRO\results\170815M1\170815M1-27.qld

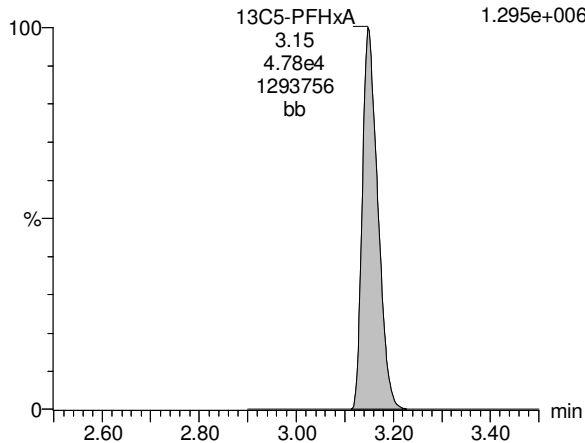
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Name: 170815M1_27, Date: 15-Aug-2017, Time: 18:01:00, ID: 1701038-01 OC-PFC-MW04R-0817 0.125, Description: OC-PFC-MW04R-0817

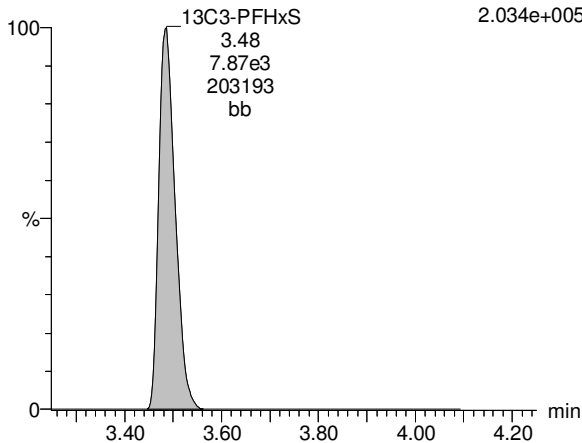
13C5-PFHxA

170815M1_27 Smooth(Mn,1x2) F10:MRM of 1 channel,ES-318 > 272.9
1.295e+006



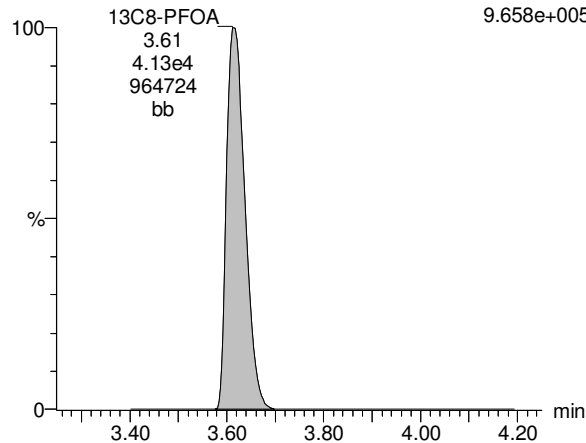
13C3-PFHxS

170815M1_27 Smooth(Mn,1x2) F17:MRM of 1 channel,ES-401.9 > 79.9
2.034e+005



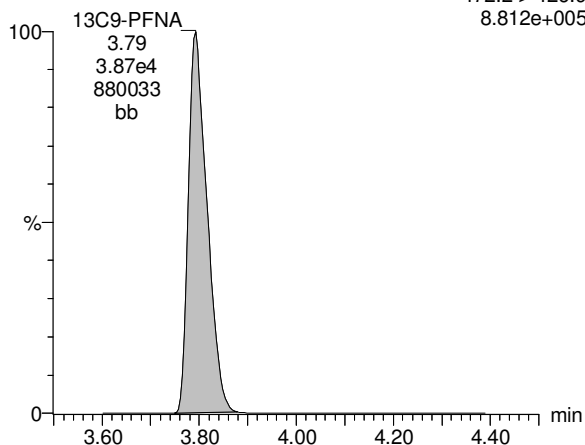
13C8-PFOA

170815M1_27 Smooth(Mn,1x2) F21:MRM of 1 channel,ES-421.3 > 376
9.658e+005



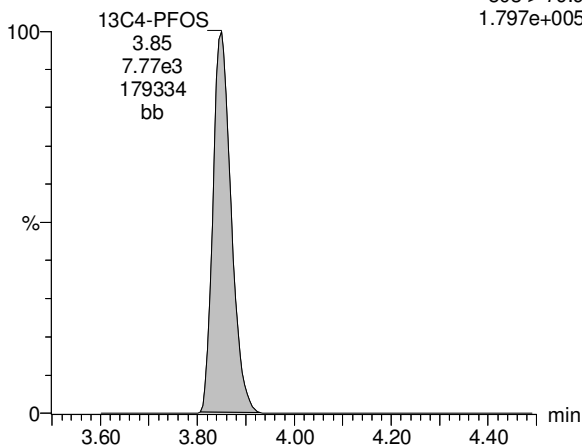
13C9-PFNA

170815M1_27 Smooth(Mn,1x2) F27:MRM of 1 channel,ES-472.2 > 426.9
8.812e+005



13C4-PFOS

170815M1_27 Smooth(Mn,1x2) F31:MRM of 1 channel,ES-503 > 79.9
1.797e+005



Dataset: U:\Q4.PRO\results\170815M1\170815M1-28.qld

Last Altered: Friday, August 25, 2017 16:22:36 Pacific Daylight Time

Printed: Friday, August 25, 2017 16:22:49 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-16-17.mdb 16 Aug 2017 09:43:48

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170815M1_28, Date: 15-Aug-2017, Time: 18:11:47, ID: 1701038-02 OC-PFC-EB081017 0.125, Description: OC-PFC-EB081017

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299 > 79.7		4.77e3	0.1172		3.06				
2	5 PFHpA	363 > 318.9		3.72e4	0.1172		3.40				
3	6 PFHxS	398.9 > 79.6	1.47e1	3.28e3	0.1172		3.58	3.50	0.0559	0.862	
4	8 PFOA	413 > 368.7		4.34e4	0.1172		3.71				
5	10 PFNA	462.9 > 418.8		3.83e4	0.1172		3.75				
6	12 PFOS	499 > 79.9		7.89e3	0.1172		3.96				
7	30 13C3-PFBS	302 > 98.8	4.77e3	4.90e4	0.1172	0.033	2.94	2.92	0.487	126	118.5
8	32 13C4-PFHpA	367.2 > 321.8	3.72e4	4.90e4	0.1172	0.384	3.40	3.41	3.80	84.3	79.1
9	33 18O2-PFHxS	403 > 102.6	3.28e3	7.46e3	0.1172	0.417	3.47	3.48	5.50	112	105.4

Dataset: U:\Q4.PRO\results\170815M1\170815M1-28.qld

Last Altered: Friday, August 25, 2017 16:22:36 Pacific Daylight Time

Printed: Friday, August 25, 2017 16:23:07 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-16-17.mdb 16 Aug 2017 09:43:48

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170815M1_28, Date: 15-Aug-2017, Time: 18:11:47, ID: 1701038-02 OC-PFC-EB081017 0.125, Description: OC-PFC-EB081017

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	35	13C2-PFOA	414.9 > 369.7	4.34e4	4.05e4	0.1172	1.132	3.71	3.62	13.4	101	94.6
2	36	13C5-PFNA	468.2 > 422.9	3.83e4	4.36e4	0.1172	0.946	3.75	3.80	11.0	99.1	92.9
3	38	13C8-PFOS	507 > 79.9	7.89e3	8.02e3	0.1172	1.040	3.84	3.85	12.3	101	94.5
4	52	13C5-PFHxA	318 > 272.9	4.90e4	4.90e4	0.1172	1.000	3.14	3.15	5.00	42.7	100.0
5	53	13C3-PFHxS	401.9 > 79.9	7.46e3	7.46e3	0.1172	1.000	3.47	3.48	12.5	107	100.0
6	54	13C8-PFOA	421.3 > 376	4.05e4	4.05e4	0.1172	1.000	3.71	3.62	12.5	107	100.0
7	55	13C9-PFNA	472.2 > 426.9	4.36e4	4.36e4	0.1172	1.000	3.79	3.80	12.5	107	100.0
8	56	13C4-PFOS	503 > 79.9	8.02e3	8.02e3	0.1172	1.000	3.84	3.85	12.5	107	100.0
9	59	Total PFBS	299 > 79.7	0.00e0	4.77e3	0.1172		3.06		0.000		
10	60	Total PFHxS	398.9 > 79.6	1.47e1	3.28e3	0.1172		3.58		0.0559	0.862	
11	61	Total PFOA	413 > 368.7	0.00e0	4.34e4	0.1172		3.71		0.000		
12	62	Total PFOS	499 > 79.9	0.00e0	7.89e3	0.1172		3.96		0.000		

Dataset: U:\Q4.PRO\results\170815M1\170815M1-28.qld

Last Altered: Friday, August 25, 2017 16:22:36 Pacific Daylight Time

Printed: Friday, August 25, 2017 16:23:07 Pacific Daylight Time

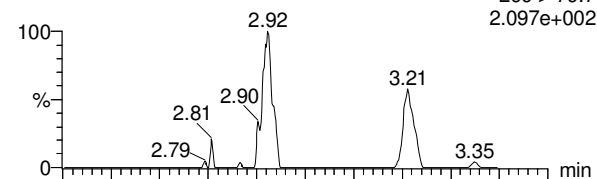
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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

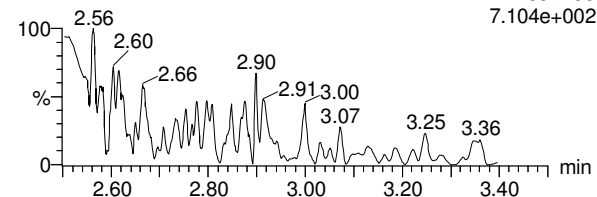
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Total PFBS

170815M1_28 Smooth(Mn,1x2) F6:MRM of 2 channels,ES-299 > 79.7
2.097e+002

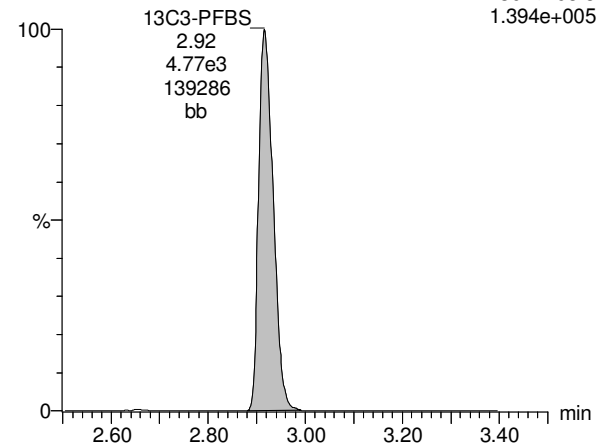


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7.104e+002



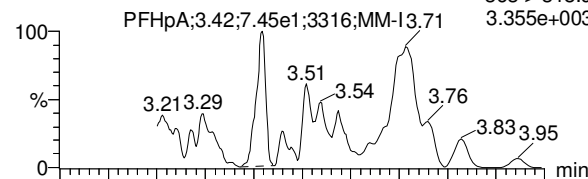
13C3-PFBS

170815M1_28 Smooth(Mn,1x2) F7:MRM of 1 channel,ES-302 > 98.8
1.394e+005

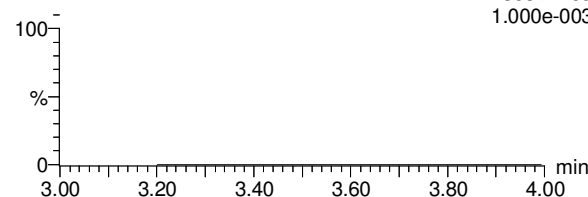


PFHpA

170815M1_28 Smooth(Mn,1x2) F14:MRM of 2 channels,ES-363 > 318.9
3.355e+003

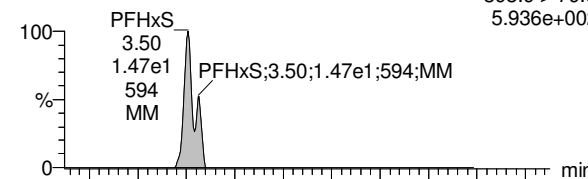


170815M1_28 Smooth(Mn,1x2) F14:MRM of 2 channels,ES-363 > 169
1.000e-003

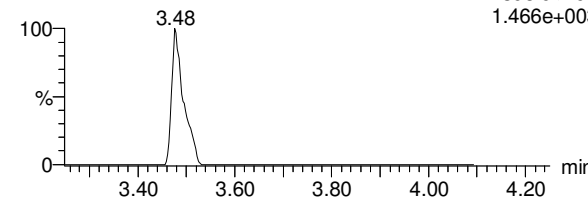


Total PFHxS

170815M1_28 Smooth(Mn,1x2) F16:MRM of 2 channels,ES-398.9 > 79.6
5.936e+002

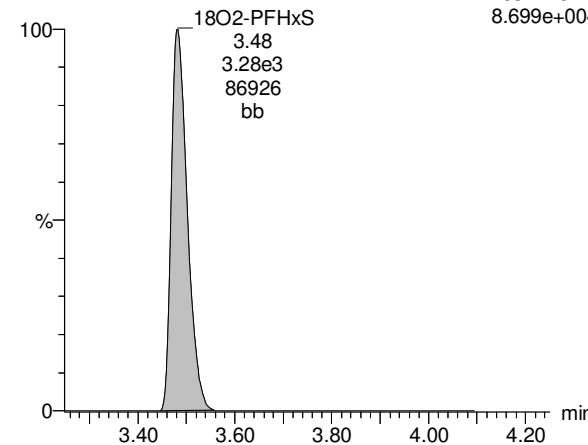


170815M1_28 Smooth(Mn,1x2) F16:MRM of 2 channels,ES-398.9 > 99
1.466e+003



18O2-PFHxS

170815M1_28 Smooth(Mn,1x2) F18:MRM of 1 channel,ES-403 > 102.6
8.699e+004



Dataset: U:\Q4.PRO\results\170815M1\170815M1-28.qld

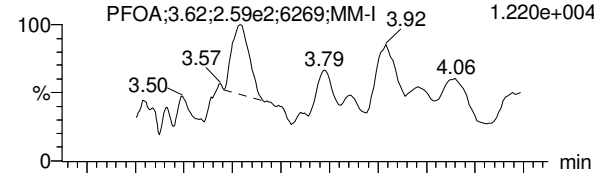
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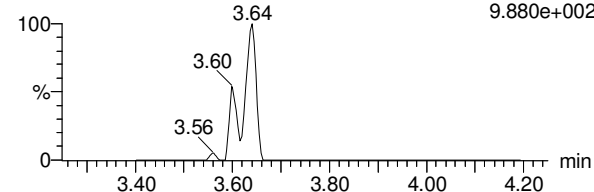
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Total PFOA

170815M1_28 Smooth(Mn,1x2) F19:MRM of 2 channels,ES-413 > 368.7
1.220e+004

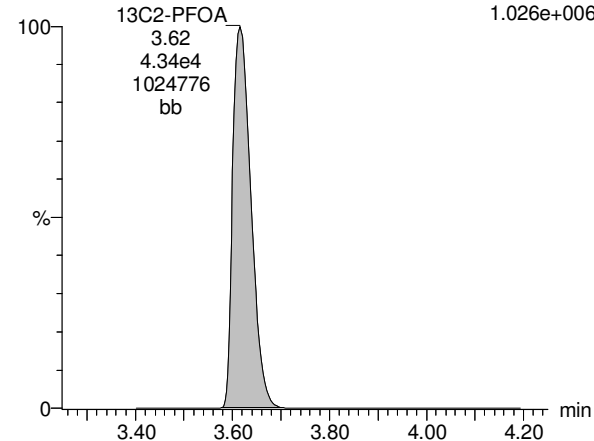


170815M1_28 Smooth(Mn,1x2) F19:MRM of 2 channels,ES-413 > 169
9.880e+002



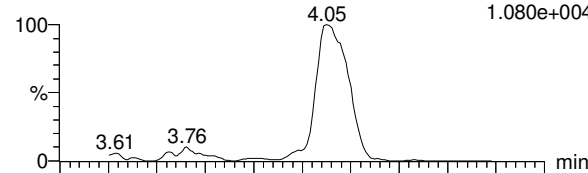
13C2-PFOA

170815M1_28 Smooth(Mn,1x2) F20:MRM of 1 channel,ES-414.9 > 369.7
1.026e+006

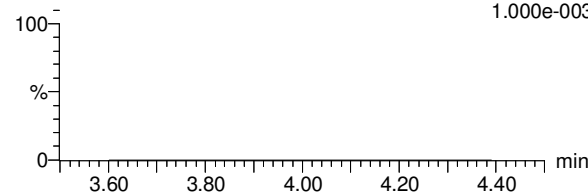


PFNA

170815M1_28 Smooth(Mn,1x2) F25:MRM of 2 channels,ES-462.9 > 418.8
1.080e+004

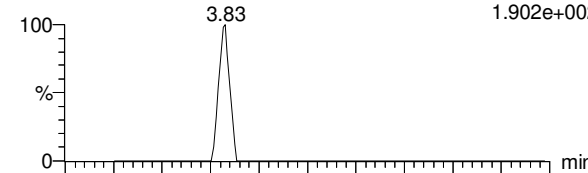


170815M1_28 Smooth(Mn,1x2) F25:MRM of 2 channels,ES-462.9 > 219
1.000e-003

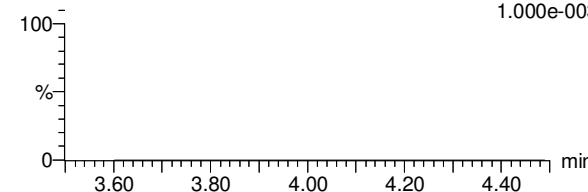


Total PFOS

170815M1_28 Smooth(Mn,1x2) F30:MRM of 2 channels,ES-499 > 79.9
1.902e+002

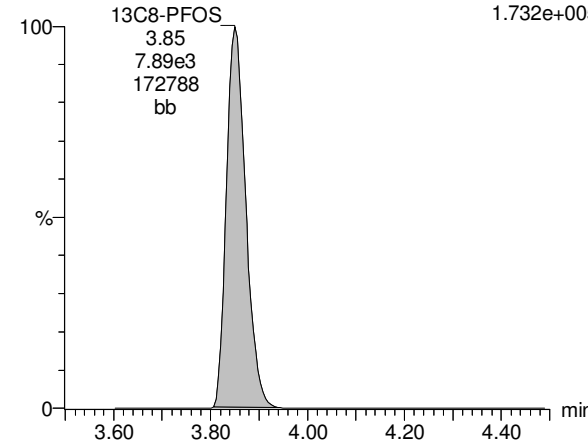


170815M1_28 Smooth(Mn,1x2) F30:MRM of 2 channels,ES-499 > 99
1.000e-003



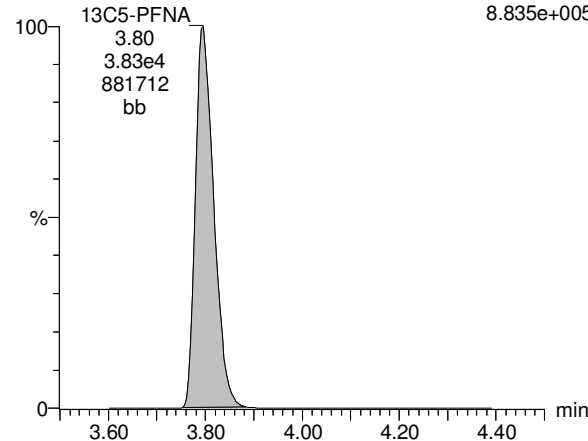
13C8-PFOS

170815M1_28 Smooth(Mn,1x2) F33:MRM of 1 channel,ES-507 > 79.9
1.732e+005



13C5-PFNA

170815M1_28 Smooth(Mn,1x2) F26:MRM of 1 channel,ES-468.2 > 422.9
8.835e+005



Dataset: U:\Q4.PRO\results\170815M1\170815M1-28.qld

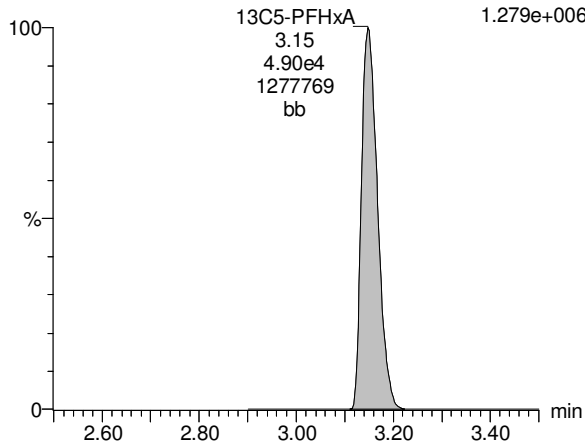
Last Altered: Friday, August 25, 2017 16:22:36 Pacific Daylight Time

Printed: Friday, August 25, 2017 16:23:07 Pacific Daylight Time

Name: 170815M1_28, Date: 15-Aug-2017, Time: 18:11:47, ID: 1701038-02 OC-PFC-EB081017 0.125, Description: OC-PFC-EB081017

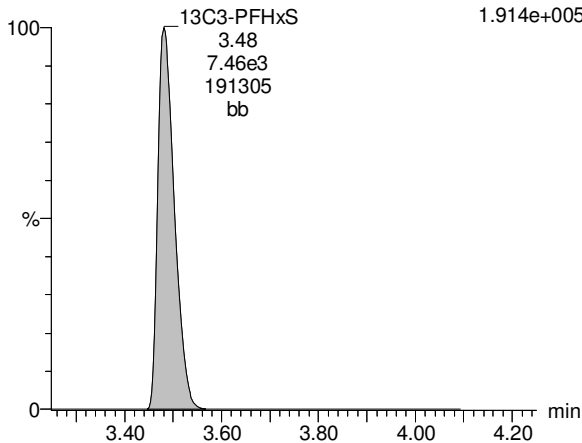
13C5-PFHxA

170815M1_28 Smooth(Mn,1x2) F10:MRM of 1 channel,ES-318 > 272.9
1.279e+006



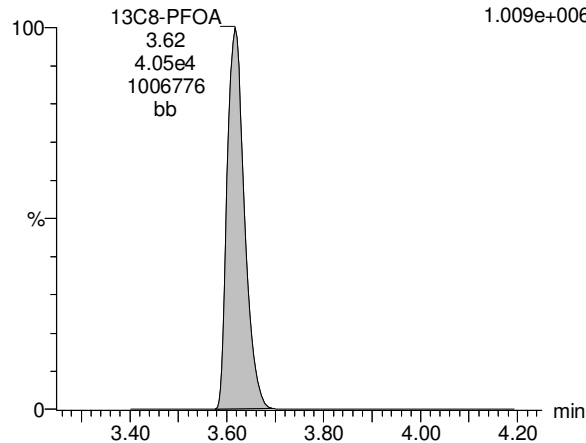
13C3-PFHxS

170815M1_28 Smooth(Mn,1x2) F17:MRM of 1 channel,ES-401.9 > 79.9
1.914e+005



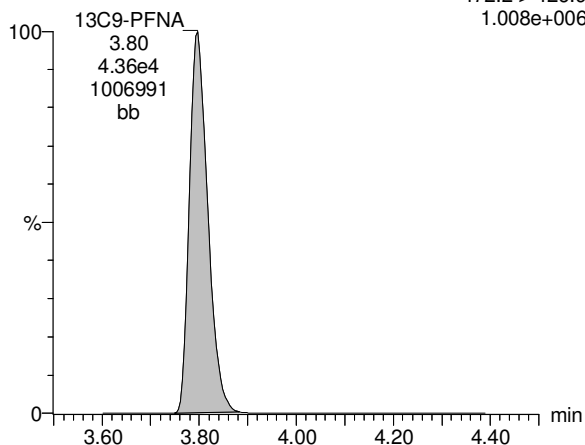
13C8-PFOA

170815M1_28 Smooth(Mn,1x2) F21:MRM of 1 channel,ES-421.3 > 376
1.009e+006



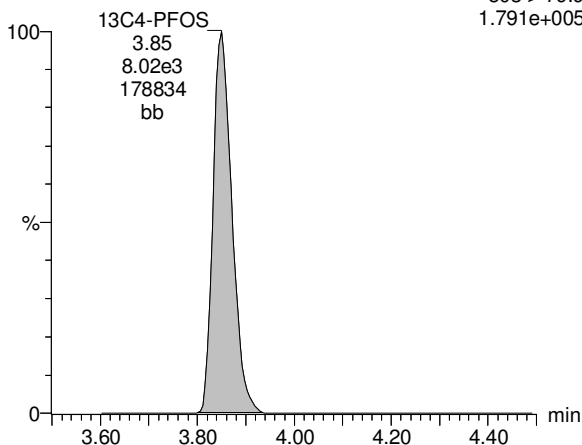
13C9-PFNA

170815M1_28 Smooth(Mn,1x2) F27:MRM of 1 channel,ES-472.2 > 426.9
1.008e+006



13C4-PFOS

170815M1_28 Smooth(Mn,1x2) F31:MRM of 1 channel,ES-503 > 79.9
1.791e+005



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

Dataset: U:\Q4.PRO\results\170814M1\IIS AREA.qld

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Method: U:\Q4.PRO\MethDB\PFAS_RS=only.mdb 11 Aug 2017 12:16:30

Calibration: 15 Aug 2017 12:30:45

Name: 170814M1_2, Date: 14-Aug-2017, Time: 14:46:41, ID: ST170814M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	4.15e4	100.0	NO
2	2 13C3-PFHxS	ST170...	7.56e3	100.0	NO
3	3 13C8-PFOA	ST170...	5.94e4	100.0	NO
4	4 13C9-PFNA	ST170...	6.24e4	100.0	NO
5	5 13C4-PFOS	ST170...	1.13e4	100.0	NO
6	6 13C6-PFDA	ST170...	6.21e4	100.0	NO
7	7 13C7-PFUnA	ST170...	8.00e4	100.0	NO

Name: 170814M1_3, Date: 14-Aug-2017, Time: 14:57:28, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA	1.04e1	0.0	NO
7	7 13C7-PFUnA	IPA	7.64e0	0.0	NO

Name: 170814M1_4, Date: 14-Aug-2017, Time: 15:08:06, ID: B7H0026-MS1 Matrix Spike 1, Description: Matrix Spike

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	5.27e4	127.0	NO
2	2 13C3-PFHxS	B7H00...	8.15e3	107.8	NO
3	3 13C8-PFOA	B7H00...	4.77e4	80.3	NO
4	4 13C9-PFNA	B7H00...	4.95e4	79.3	NO
5	5 13C4-PFOS	B7H00...	7.94e3	70.3	NO
6	6 13C6-PFDA	B7H00...	4.72e4	76.0	NO
7	7 13C7-PFUnA	B7H00...	4.97e4	62.1	NO

Name: 170814M1_5, Date: 14-Aug-2017, Time: 15:18:52, ID: B7H0026-MSD1 Matrix Spike Dup 1, Description: Matrix Spike Dup

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	6.15e4	148.2	NO
2	2 13C3-PFHxS	B7H00...	1.05e4	138.6	NO
3	3 13C8-PFOA	B7H00...	5.52e4	92.9	NO
4	4 13C9-PFNA	B7H00...	5.53e4	88.6	NO
5	5 13C4-PFOS	B7H00...	9.88e3	87.4	NO
6	6 13C6-PFDA	B7H00...	6.04e4	97.3	NO
7	7 13C7-PFUnA	B7H00...	5.18e4	64.7	NO

Dataset: U:\Q4.PRO\results\170814M1\IIS AREA.qld

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Name: 170814M1_6, Date: 14-Aug-2017, Time: 15:29:31, ID: 1700958-01 MATP03045 1, Description: MATP03045

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	5.46e4	131.4	NO
2	2 13C3-PFHxS	17009...	8.48e3	112.1	NO
3	3 13C8-PFOA	17009...	4.82e4	81.1	NO
4	4 13C9-PFNA	17009...	5.28e4	84.6	NO
5	5 13C4-PFOS	17009...	7.85e3	69.5	NO
6	6 13C6-PFDA	17009...	4.90e4	78.9	NO
7	7 13C7-PFUnA	17009...	5.08e4	63.5	NO

Name: 170814M1_7, Date: 14-Aug-2017, Time: 15:40:17, ID: 1700958-02 MATP03046 1, Description: MATP03046

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.10e4	146.9	NO
2	2 13C3-PFHxS	17009...	1.08e4	142.4	NO
3	3 13C8-PFOA	17009...	5.07e4	85.3	NO
4	4 13C9-PFNA	17009...	6.55e4	105.0	NO
5	5 13C4-PFOS	17009...	9.30e3	82.3	NO
6	6 13C6-PFDA	17009...	6.26e4	100.8	NO
7	7 13C7-PFUnA	17009...	6.02e4	75.2	NO

Name: 170814M1_8, Date: 14-Aug-2017, Time: 15:50:56, ID: 1700958-03 MATP03047 1, Description: MATP03047

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.05e4	145.6	NO
2	2 13C3-PFHxS	17009...	9.89e3	130.8	NO
3	3 13C8-PFOA	17009...	5.09e4	85.7	NO
4	4 13C9-PFNA	17009...	5.84e4	93.5	NO
5	5 13C4-PFOS	17009...	9.34e3	82.7	NO
6	6 13C6-PFDA	17009...	5.19e4	83.6	NO
7	7 13C7-PFUnA	17009...	6.02e4	75.2	NO

Name: 170814M1_9, Date: 14-Aug-2017, Time: 16:01:34, ID: 1700958-08 MATP04059 1, Description: MATP04059

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	5.19e4	124.9	NO
2	2 13C3-PFHxS	17009...	8.66e3	114.5	NO
3	3 13C8-PFOA	17009...	4.37e4	73.6	NO
4	4 13C9-PFNA	17009...	4.87e4	78.0	NO
5	5 13C4-PFOS	17009...	7.55e3	66.8	NO
6	6 13C6-PFDA	17009...	4.42e4	71.2	NO
7	7 13C7-PFUnA	17009...	4.74e4	59.3	NO

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Name: 170814M1_10, Date: 14-Aug-2017, Time: 16:12:12, ID: 1700958-09 MATP04060 1, Description: MATP04060

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.71e4	161.5	YES
2	2 13C3-PFHxS	17009...	1.05e4	139.2	NO
3	3 13C8-PFOA	17009...	5.53e4	93.0	NO
4	4 13C9-PFNA	17009...	6.09e4	97.6	NO
5	5 13C4-PFOS	17009...	9.36e3	82.8	NO
6	6 13C6-PFDA	17009...	6.00e4	96.7	NO
7	7 13C7-PFUnA	17009...	4.88e4	61.0	NO

Name: 170814M1_11, Date: 14-Aug-2017, Time: 16:22:51, ID: 1700958-10 MATP04061 1, Description: MATP04061

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.15e4	148.0	NO
2	2 13C3-PFHxS	17009...	9.28e3	122.7	NO
3	3 13C8-PFOA	17009...	4.76e4	80.2	NO
4	4 13C9-PFNA	17009...	5.34e4	85.6	NO
5	5 13C4-PFOS	17009...	7.89e3	69.8	NO
6	6 13C6-PFDA	17009...	4.67e4	75.3	NO
7	7 13C7-PFUnA	17009...	5.31e4	66.3	NO

Name: 170814M1_12, Date: 14-Aug-2017, Time: 16:33:38, ID: 1700958-11 MATP04062 1, Description: MATP04062

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	5.53e4	133.2	NO
2	2 13C3-PFHxS	17009...	8.74e3	115.6	NO
3	3 13C8-PFOA	17009...	4.50e4	75.7	NO
4	4 13C9-PFNA	17009...	4.64e4	74.4	NO
5	5 13C4-PFOS	17009...	8.01e3	70.9	NO
6	6 13C6-PFDA	17009...	4.85e4	78.1	NO
7	7 13C7-PFUnA	17009...	4.55e4	56.9	NO

Name: 170814M1_13, Date: 14-Aug-2017, Time: 16:44:16, ID: 1700958-12 MATP05078 1, Description: MATP05078

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	5.73e4	137.9	NO
2	2 13C3-PFHxS	17009...	9.50e3	125.6	NO
3	3 13C8-PFOA	17009...	5.02e4	84.5	NO
4	4 13C9-PFNA	17009...	5.93e4	95.0	NO
5	5 13C4-PFOS	17009...	9.84e3	87.1	NO
6	6 13C6-PFDA	17009...	5.52e4	88.9	NO
7	7 13C7-PFUnA	17009...	4.93e4	61.7	NO

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Name: 170814M1_14, Date: 14-Aug-2017, Time: 16:54:54, ID: 1700958-13 MATP05079 1, Description: MATP05079

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.50e4	156.6	YES
2	2 13C3-PFHxS	17009...	9.64e3	127.4	NO
3	3 13C8-PFOA	17009...	5.48e4	92.3	NO
4	4 13C9-PFNA	17009...	6.12e4	98.1	NO
5	5 13C4-PFOS	17009...	9.05e3	80.0	NO
6	6 13C6-PFDA	17009...	5.62e4	90.6	NO
7	7 13C7-PFUnA	17009...	5.35e4	66.9	NO

Name: 170814M1_15, Date: 14-Aug-2017, Time: 17:05:33, ID: 1700958-15 MATP05081 1, Description: MATP05081

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.34e4	152.7	YES
2	2 13C3-PFHxS	17009...	1.02e4	134.5	NO
3	3 13C8-PFOA	17009...	4.93e4	82.9	NO
4	4 13C9-PFNA	17009...	5.03e4	80.6	NO
5	5 13C4-PFOS	17009...	5.18e3	45.8	YES
6	6 13C6-PFDA	17009...	5.78e4	93.2	NO
7	7 13C7-PFUnA	17009...	5.88e4	73.5	NO

Name: 170814M1_16, Date: 14-Aug-2017, Time: 17:16:24, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	9.54e0	0.0	NO

Name: 170814M1_17, Date: 14-Aug-2017, Time: 17:27:32, ID: ST170814M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	4.06e4	97.7	NO
2	2 13C3-PFHxS	ST170...	8.27e3	109.4	NO
3	3 13C8-PFOA	ST170...	5.95e4	100.1	NO
4	4 13C9-PFNA	ST170...	6.07e4	97.3	NO
5	5 13C4-PFOS	ST170...	1.10e4	97.3	NO
6	6 13C6-PFDA	ST170...	6.07e4	97.8	NO
7	7 13C7-PFUnA	ST170...	5.87e4	73.4	NO

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Name: 170814M1_18, Date: 14-Aug-2017, Time: 17:38:25, ID: IPA, Description: IPA

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

Name: 170814M1_19, Date: 14-Aug-2017, Time: 17:49:06, ID: B7H0078-BS1 OPR 0.125, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	1.20e4	28.9	YES
2	2 13C3-PFHxS	B7H00...	1.82e3	24.1	YES
3	3 13C8-PFOA	B7H00...	9.81e3	16.5	YES
4	4 13C9-PFNA	B7H00...	1.23e4	19.7	YES
5	5 13C4-PFOS	B7H00...	1.85e3	16.4	YES
6	6 13C6-PFDA	B7H00...	1.15e4	18.6	YES
7	7 13C7-PFUnA	B7H00...	1.01e4	12.6	YES

Name: 170814M1_20, Date: 14-Aug-2017, Time: 17:59:42, ID: IPA, Description: IPA

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

Name: 170814M1_21, Date: 14-Aug-2017, Time: 18:10:21, ID: B7H0078-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	1.18e4	28.5	YES
2	2 13C3-PFHxS	B7H00...	1.91e3	25.2	YES
3	3 13C8-PFOA	B7H00...	1.00e4	16.9	YES
4	4 13C9-PFNA	B7H00...	1.10e4	17.7	YES
5	5 13C4-PFOS	B7H00...	1.72e3	15.2	YES
6	6 13C6-PFDA	B7H00...	1.17e4	18.8	YES
7	7 13C7-PFUnA	B7H00...	1.19e4	14.8	YES

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Name: 170814M1_22, Date: 14-Aug-2017, Time: 18:20:59, ID: B7H0078-MS1 Matrix Spike 0.125, Description: Matrix Spike

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	1.19e4	28.5	YES
2	2 13C3-PFHxS	B7H00...	1.66e3	21.9	YES
3	3 13C8-PFOA	B7H00...	1.02e4	17.1	YES
4	4 13C9-PFNA	B7H00...	1.18e4	18.9	YES
5	5 13C4-PFOS	B7H00...	1.81e3	16.0	YES
6	6 13C6-PFDA	B7H00...	1.06e4	17.0	YES
7	7 13C7-PFUnA	B7H00...	9.18e3	11.5	YES

Name: 170814M1_23, Date: 14-Aug-2017, Time: 18:31:38, ID: B7H0078-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	1.21e4	29.2	YES
2	2 13C3-PFHxS	B7H00...	2.18e3	28.8	YES
3	3 13C8-PFOA	B7H00...	9.55e3	16.1	YES
4	4 13C9-PFNA	B7H00...	1.10e4	17.7	YES
5	5 13C4-PFOS	B7H00...	1.89e3	16.7	YES
6	6 13C6-PFDA	B7H00...	1.13e4	18.3	YES
7	7 13C7-PFUnA	B7H00...	1.01e4	12.7	YES

Name: 170814M1_24, Date: 14-Aug-2017, Time: 18:42:16, ID: 1700862-01RE1 WS 252 0.00025, Description: WS 252

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17008...	1.17e4	28.1	YES
2	2 13C3-PFHxS	17008...	1.86e3	24.5	YES
3	3 13C8-PFOA	17008...	9.44e3	15.9	YES
4	4 13C9-PFNA	17008...	1.12e4	17.9	YES
5	5 13C4-PFOS	17008...	1.75e3	15.5	YES
6	6 13C6-PFDA	17008...	1.08e4	17.4	YES
7	7 13C7-PFUnA	17008...	1.21e4	15.2	YES

Name: 170814M1_25, Date: 14-Aug-2017, Time: 18:52:54, ID: 1700907-04RE1 AT028-MW17-06-071717-1300 0.12053, Description: AT028-MW17-06-071717-1300

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	1.05e4	25.3	YES
2	2 13C3-PFHxS	17009...	1.26e3	16.6	YES
3	3 13C8-PFOA	17009...	8.68e3	14.6	YES
4	4 13C9-PFNA	17009...	1.06e4	17.1	YES
5	5 13C4-PFOS	17009...	1.52e3	13.4	YES
6	6 13C6-PFDA	17009...	9.63e3	15.5	YES
7	7 13C7-PFUnA	17009...	1.02e4	12.7	YES

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Name: 170814M1_26, Date: 14-Aug-2017, Time: 19:03:33, ID: 1701031-01 BANGR-03-GW-TW03-080817 0.125, Description: BANGR-03-GW-TW03-080817

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.10e4	26.4	YES
2	2 13C3-PFHxS	17010...	1.25e3	16.6	YES
3	3 13C8-PFOA	17010...	8.84e3	14.9	YES
4	4 13C9-PFNA	17010...	1.11e4	17.8	YES
5	5 13C4-PFOS	17010...	1.74e3	15.4	YES
6	6 13C6-PFDA	17010...	1.22e4	19.7	YES
7	7 13C7-PFUnA	17010...	9.83e3	12.3	YES

Name: 170814M1_27, Date: 14-Aug-2017, Time: 19:14:11, ID: 1701031-02 BANGR-05-GW-TW05-080817 0.125, Description: BANGR-05-GW-TW05-080817

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.19e4	28.7	YES
2	2 13C3-PFHxS	17010...	2.00e3	26.5	YES
3	3 13C8-PFOA	17010...	9.59e3	16.1	YES
4	4 13C9-PFNA	17010...	1.22e4	19.6	YES
5	5 13C4-PFOS	17010...	2.16e3	19.1	YES
6	6 13C6-PFDA	17010...	1.19e4	19.2	YES
7	7 13C7-PFUnA	17010...	1.19e4	14.9	YES

Name: 170814M1_28, Date: 14-Aug-2017, Time: 19:24:49, ID: 1701031-03 BANGR-06-GW-TW06-080917 0.125, Description: BANGR-06-GW-TW06-080917

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.23e4	29.7	YES
2	2 13C3-PFHxS	17010...	1.80e3	23.9	YES
3	3 13C8-PFOA	17010...	1.15e4	19.4	YES
4	4 13C9-PFNA	17010...	1.22e4	19.5	YES
5	5 13C4-PFOS	17010...	1.86e3	16.4	YES
6	6 13C6-PFDA	17010...	1.23e4	19.9	YES
7	7 13C7-PFUnA	17010...	1.03e4	12.9	YES

Name: 170814M1_29, Date: 14-Aug-2017, Time: 19:35:28, ID: 1701031-04 BANGR-12-GW-TW12-080817 0.125, Description: BANGR-12-GW-TW12-080817

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	9.69e3	23.3	YES
2	2 13C3-PFHxS	17010...	1.24e3	16.4	YES
3	3 13C8-PFOA	17010...	8.99e3	15.1	YES
4	4 13C9-PFNA	17010...	8.42e3	13.5	YES
5	5 13C4-PFOS	17010...	1.23e3	10.9	YES
6	6 13C6-PFDA	17010...	1.08e4	17.4	YES
7	7 13C7-PFUnA	17010...	9.21e3	11.5	YES

Dataset: U:\Q4.PRO\results\170814M1\IIS AREA.qld

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Name: 170814M1_30, Date: 14-Aug-2017, Time: 19:46:06, ID: 1701034-01 SB01-20170808 0.125, Description: SB01-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.04e4	25.1	YES
2	2 13C3-PFHxS	17010...	1.55e3	20.5	YES
3	3 13C8-PFOA	17010...	9.08e3	15.3	YES
4	4 13C9-PFNA	17010...	9.38e3	15.0	YES
5	5 13C4-PFOS	17010...	1.49e3	13.2	YES
6	6 13C6-PFDA	17010...	9.37e3	15.1	YES
7	7 13C7-PFUnA	17010...	8.82e3	11.0	YES

Name: 170814M1_31, Date: 14-Aug-2017, Time: 19:56:45, ID: 1701034-02 Site1-GW-01TW03-20170808 0.125, Description: Site1-GW-01TW03-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.15e4	27.6	YES
2	2 13C3-PFHxS	17010...	1.78e3	23.6	YES
3	3 13C8-PFOA	17010...	9.70e3	16.3	YES
4	4 13C9-PFNA	17010...	1.09e4	17.5	YES
5	5 13C4-PFOS	17010...	1.73e3	15.3	YES
6	6 13C6-PFDA	17010...	1.13e4	18.2	YES
7	7 13C7-PFUnA	17010...	1.03e4	12.9	YES

Name: 170814M1_32, Date: 14-Aug-2017, Time: 20:07:23, ID: 1701034-03 Site1-GW-01TW01-20170808 0.125, Description: Site1-GW-01TW01-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.07e4	25.7	YES
2	2 13C3-PFHxS	17010...	1.88e3	24.9	YES
3	3 13C8-PFOA	17010...	1.01e4	17.0	YES
4	4 13C9-PFNA	17010...	1.06e4	17.0	YES
5	5 13C4-PFOS	17010...	1.68e3	14.8	YES
6	6 13C6-PFDA	17010...	9.85e3	15.9	YES
7	7 13C7-PFUnA	17010...	1.20e4	15.0	YES

Name: 170814M1_33, Date: 14-Aug-2017, Time: 20:18:06, ID: 1701034-04 Site1-GW-FD01-20170808 0.125, Description: Site1-GW-FD01-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.04e4	25.0	YES
2	2 13C3-PFHxS	17010...	1.66e3	22.0	YES
3	3 13C8-PFOA	17010...	9.82e3	16.5	YES
4	4 13C9-PFNA	17010...	1.09e4	17.5	YES
5	5 13C4-PFOS	17010...	1.68e3	14.8	YES
6	6 13C6-PFDA	17010...	9.59e3	15.4	YES
7	7 13C7-PFUnA	17010...	9.88e3	12.4	YES

Dataset: U:\Q4.PRO\results\170814M1\IIS AREA.qld

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Name: 170814M1_34, Date: 14-Aug-2017, Time: 20:28:55, ID: 1701034-05 EB01-20170808 0.125, Description: EB01-20170808

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.06e4	25.5	YES
2	2 13C3-PFHxS	17010...	1.62e3	21.4	YES
3	3 13C8-PFOA	17010...	9.78e3	16.5	YES
4	4 13C9-PFNA	17010...	9.65e3	15.5	YES
5	5 13C4-PFOS	17010...	1.63e3	14.5	YES
6	6 13C6-PFDA	17010...	9.15e3	14.7	YES
7	7 13C7-PFUnA	17010...	9.51e3	11.9	YES

Name: 170814M1_35, Date: 14-Aug-2017, Time: 20:39:34, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	2.36e1	0.0	NO

Name: 170814M1_36, Date: 14-Aug-2017, Time: 20:50:12, ID: ST170814M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	4.35e4	104.8	NO
2	2 13C3-PFHxS	ST170...	7.72e3	102.2	NO
3	3 13C8-PFOA	ST170...	6.69e4	112.6	NO
4	4 13C9-PFNA	ST170...	8.00e4	128.2	NO
5	5 13C4-PFOS	ST170...	1.18e4	104.2	NO
6	6 13C6-PFDA	ST170...	6.79e4	109.3	NO
7	7 13C7-PFUnA	ST170...	7.25e4	90.7	NO

Name: 170814M1_37, Date: 14-Aug-2017, Time: 21:00:59, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	5.32e0	0.0	NO

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Name: 170814M1_38, Date: 14-Aug-2017, Time: 21:11:37, ID: 1701034-06 Site1-GW-01TW02-20170808 0.125, Description: Site1-GW-01TW02-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.13e4	27.2	YES
2	2 13C3-PFHxS	17010...	1.95e3	25.8	YES
3	3 13C8-PFOA	17010...	8.62e3	14.5	YES
4	4 13C9-PFNA	17010...	9.92e3	15.9	YES
5	5 13C4-PFOS	17010...	1.77e3	15.6	YES
6	6 13C6-PFDA	17010...	1.01e4	16.3	YES
7	7 13C7-PFUnA	17010...	9.57e3	12.0	YES

Name: 170814M1_39, Date: 14-Aug-2017, Time: 21:22:16, ID: 1701038-01 OC-PFC-MW04R-0817 0.125, Description: OC-PFC-MW04R-0817

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.11e4	26.7	YES
2	2 13C3-PFHxS	17010...	1.93e3	25.5	YES
3	3 13C8-PFOA	17010...	9.74e3	16.4	YES
4	4 13C9-PFNA	17010...	1.04e4	16.7	YES
5	5 13C4-PFOS	17010...	1.74e3	15.4	YES
6	6 13C6-PFDA	17010...	8.92e3	14.4	YES
7	7 13C7-PFUnA	17010...	1.04e4	12.9	YES

Name: 170814M1_40, Date: 14-Aug-2017, Time: 21:32:54, ID: 1701038-02 OC-PFC-EB081017 0.125, Description: OC-PFC-EB081017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.22e4	29.3	YES
2	2 13C3-PFHxS	17010...	1.87e3	24.7	YES
3	3 13C8-PFOA	17010...	1.10e4	18.5	YES
4	4 13C9-PFNA	17010...	1.11e4	17.9	YES
5	5 13C4-PFOS	17010...	1.72e3	15.2	YES
6	6 13C6-PFDA	17010...	1.03e4	16.5	YES
7	7 13C7-PFUnA	17010...	9.60e3	12.0	YES

Name: 170814M1_41, Date: 14-Aug-2017, Time: 21:43:32, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.02e1	0.0	NO

Dataset: U:\Q4.PRO\results\170814M1\IIS AREA.qld

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Name: 170814M1_42, Date: 14-Aug-2017, Time: 21:54:11, ID: ST170814M1-4 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	4.42e4	106.4	NO
2	2 13C3-PFHxS	ST170...	8.95e3	118.4	NO
3	3 13C8-PFOA	ST170...	6.86e4	115.5	NO
4	4 13C9-PFNA	ST170...	8.09e4	129.7	NO
5	5 13C4-PFOS	ST170...	1.22e4	108.3	NO
6	6 13C6-PFDA	ST170...	6.97e4	112.3	NO
7	7 13C7-PFUnA	ST170...	7.47e4	93.3	NO

Name: 170814M1_43, Date: 14-Aug-2017, Time: 22:04:57, ID: IPA, Description: IPA

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

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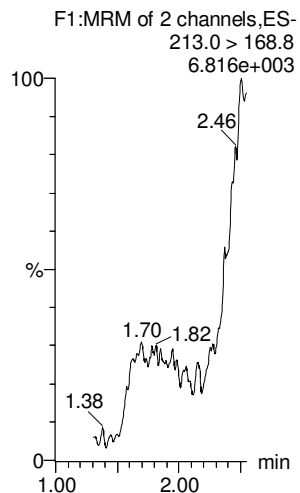
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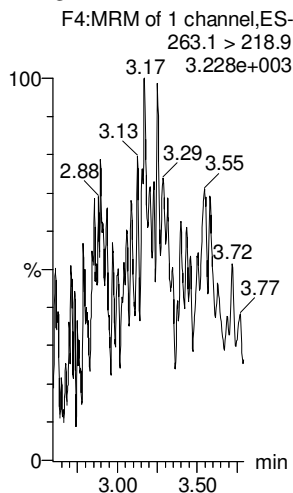
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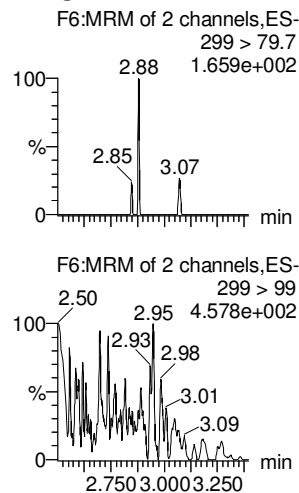
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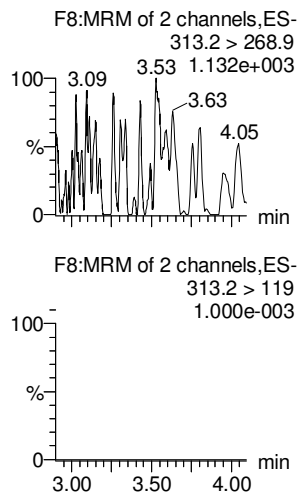
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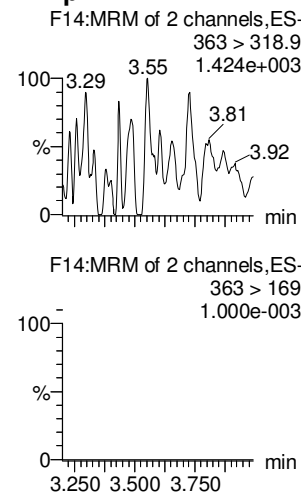
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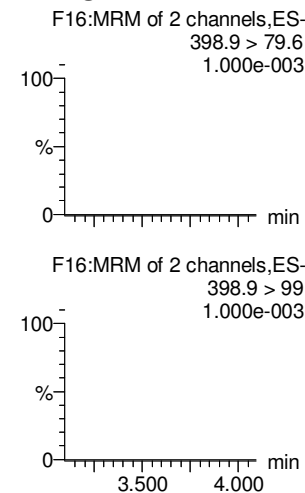
PFHxA



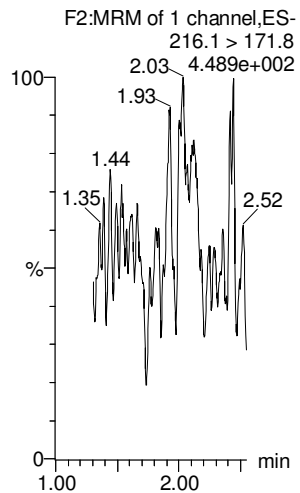
PFHpA



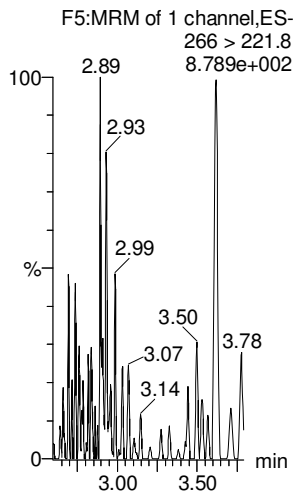
PFHxS



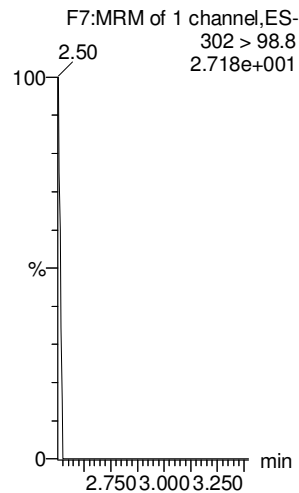
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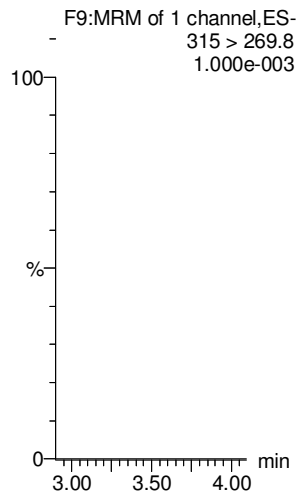
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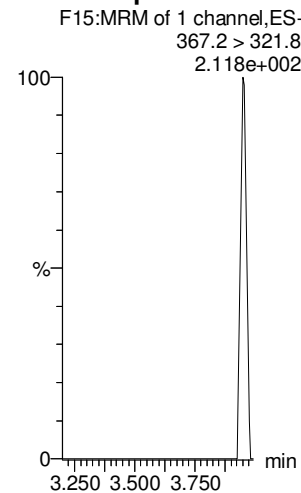
13C3-PFBS



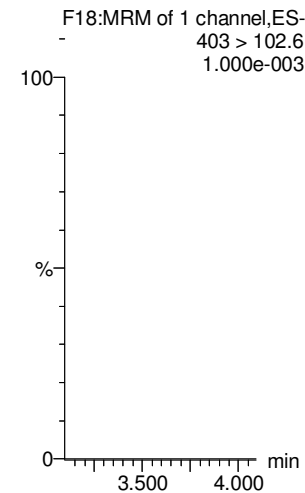
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



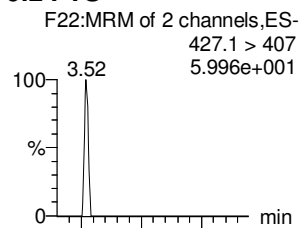
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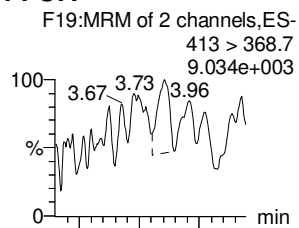
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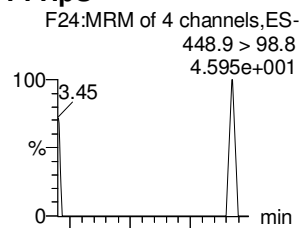
6:2 FTS



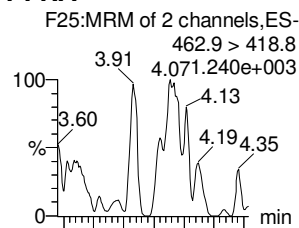
PFOA



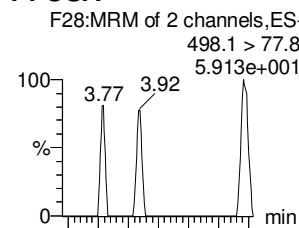
PFHpS



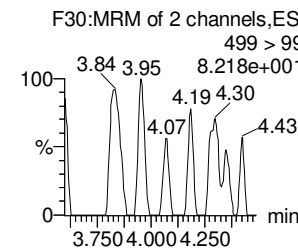
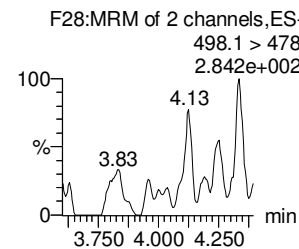
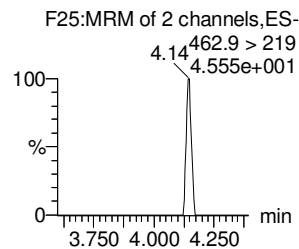
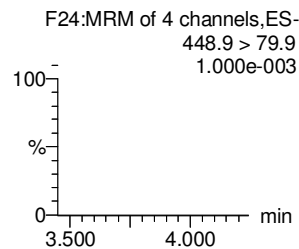
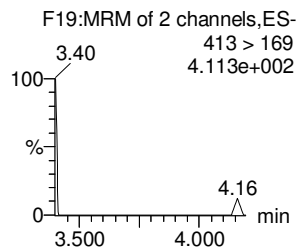
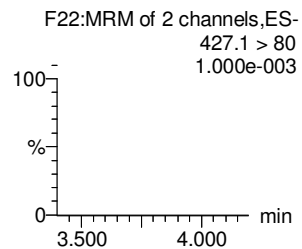
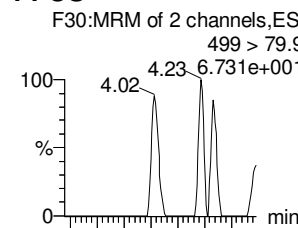
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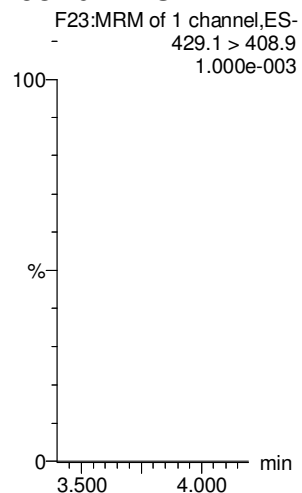
PFOSA



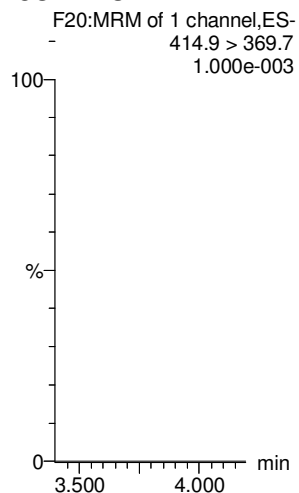
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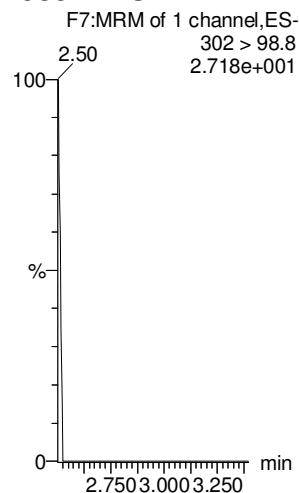
13C2-6:2 FTS



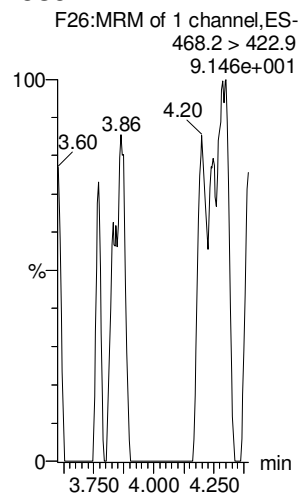
13C2-PFOA



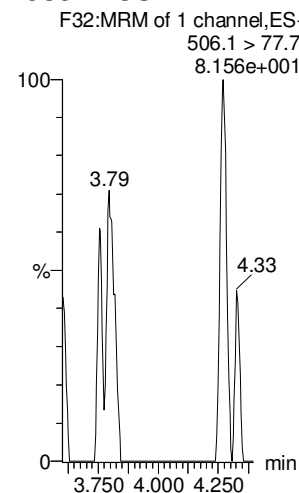
13C3-PFBS



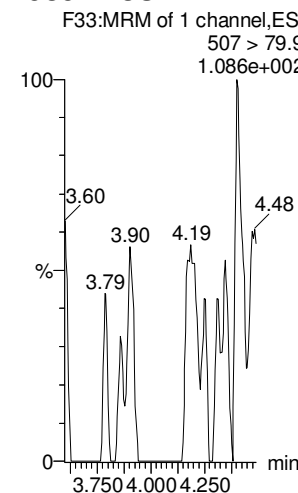
13C5-PFNA



13C8-PFOA



13C8-PFOS



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PFDA

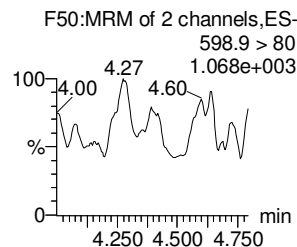
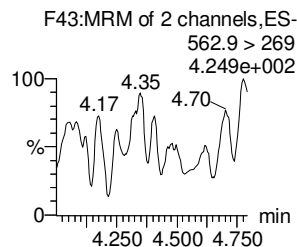
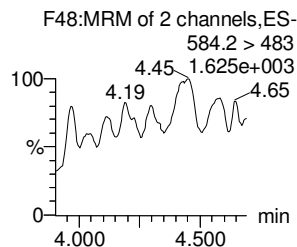
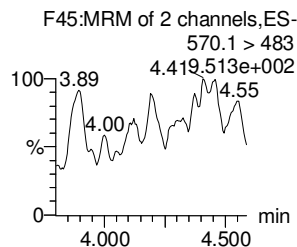
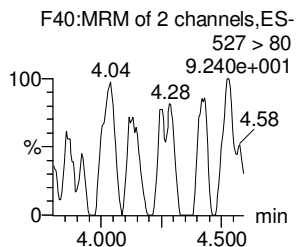
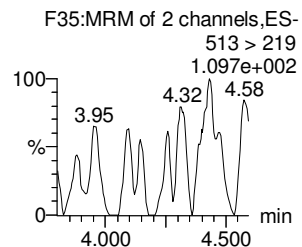
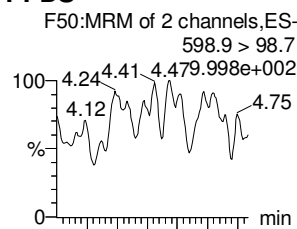
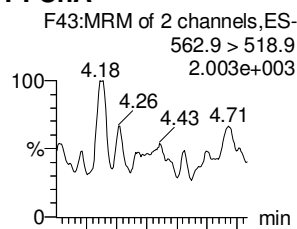
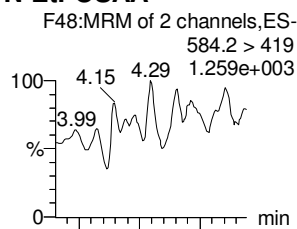
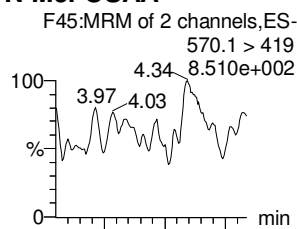
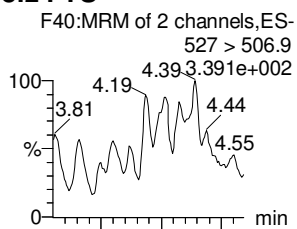
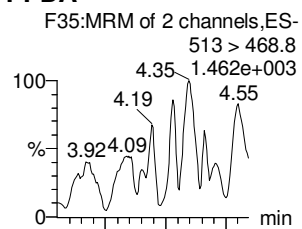
8:2 FTS

N-MeFOSAA

N-EtFOSAA

PFUnA

PFDS



13C2-PFDA

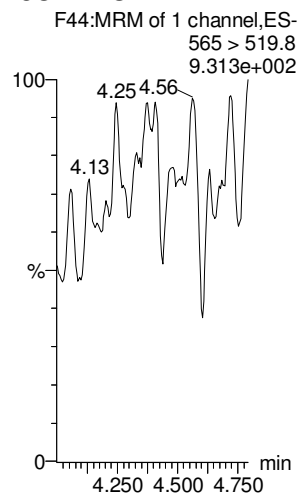
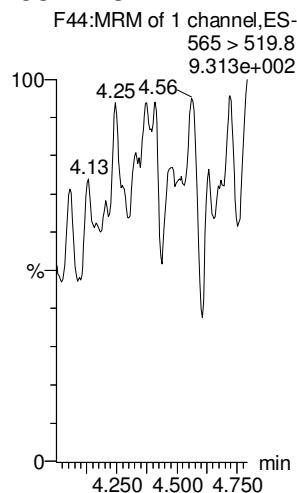
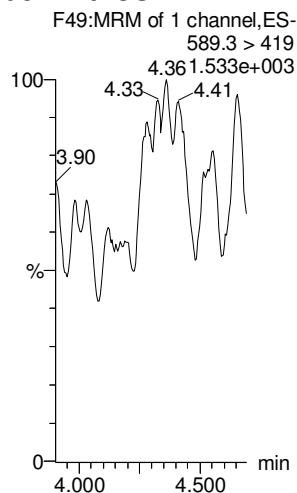
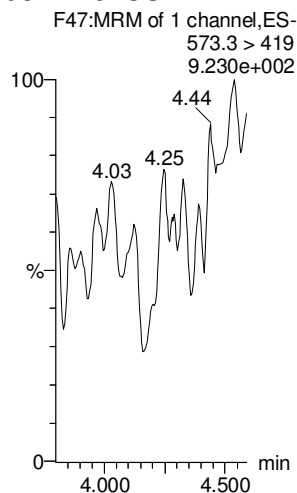
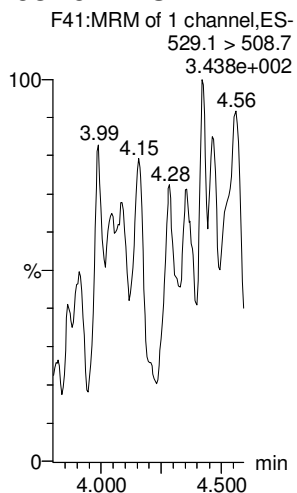
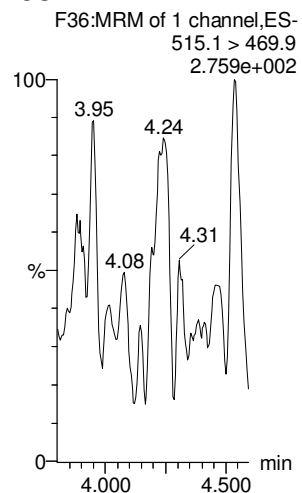
13C2-8:2 FTS

d3-N-MeFOSAA

d5-N-EtFOSAA

13C2-PFUnA

13C2-PFUnA



Dataset: U:\Q4.PRO\results\170814M1\170814M1-3.qld

Last Altered: Tuesday, August 15, 2017 14:59:08 Pacific Daylight Time

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Name: 170814M1_3, Date: 14-Aug-2017, Time: 14:57:28, ID: IPA, Description: IPA

PFDaA

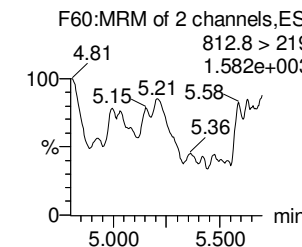
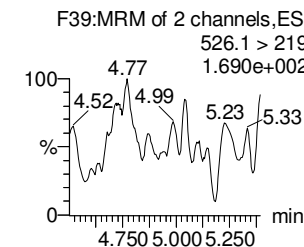
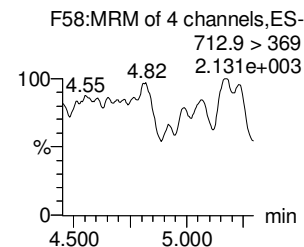
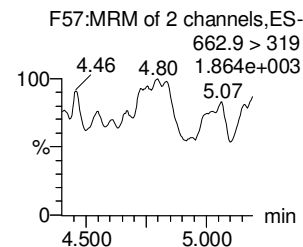
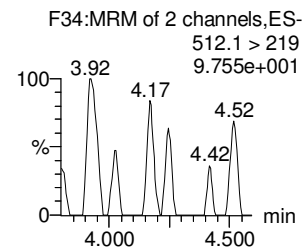
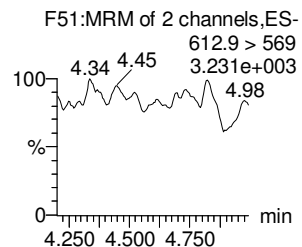
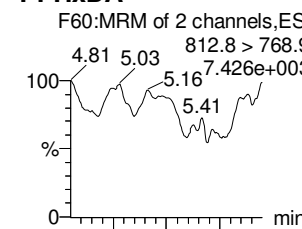
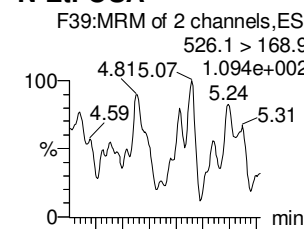
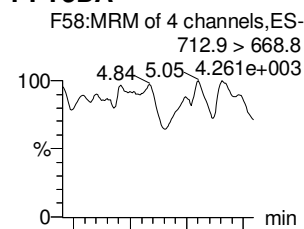
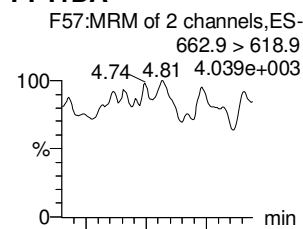
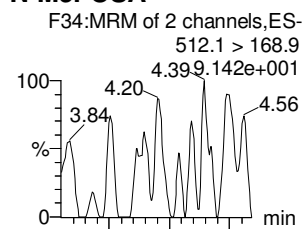
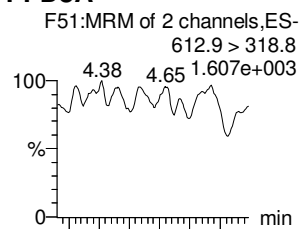
N-MeFOSA

PFTrDA

PFTeDA

N-EtFOSA

PFHxDA



13C2-PFDaA

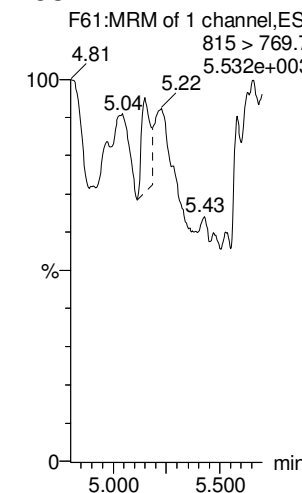
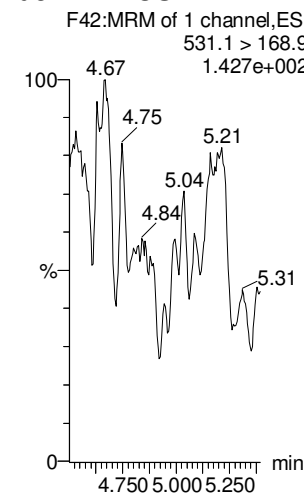
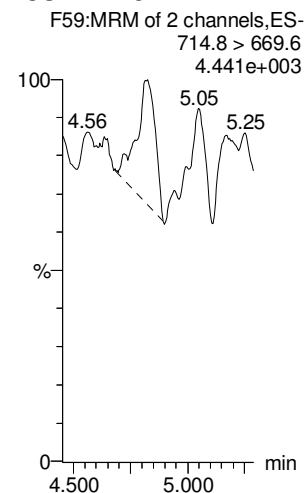
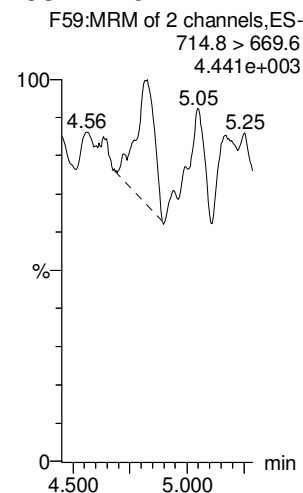
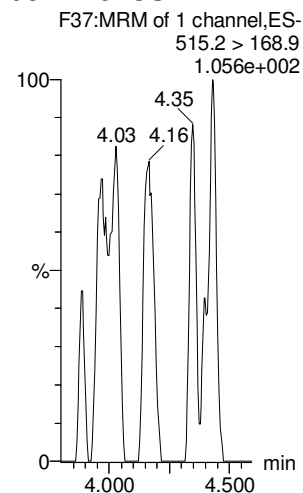
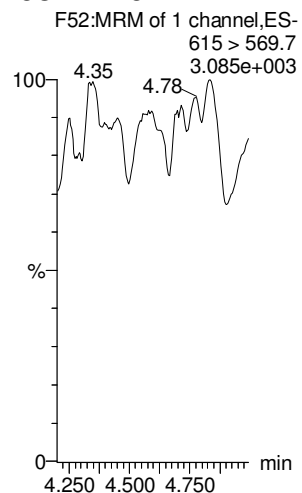
d3-N-MeFOSA

13C2-PFTeDA

13C2-PFTeDA

d5-N-ETFOSA

13C2-PFHxDA



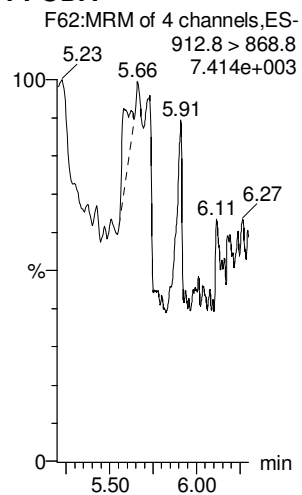
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Last Altered: Tuesday, August 15, 2017 14:59:08 Pacific Daylight Time

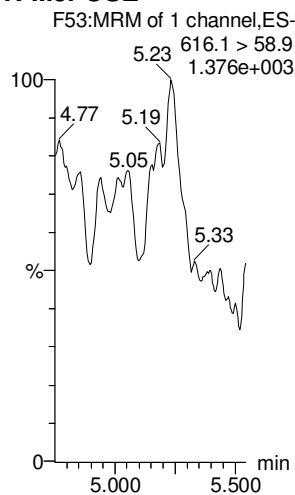
Printed: Tuesday, August 15, 2017 14:59:42 Pacific Daylight Time

Name: 170814M1_3, Date: 14-Aug-2017, Time: 14:57:28, ID: IPA, Description: IPA

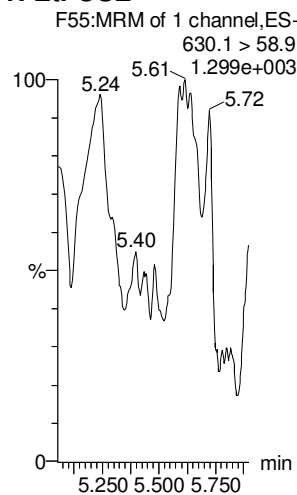
PFODA



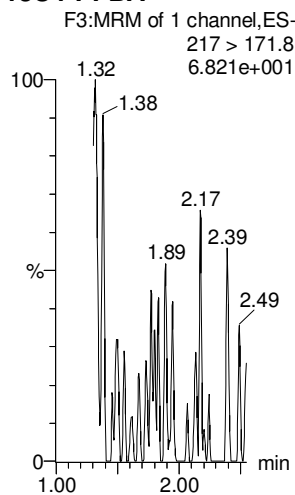
N-MeFOSE



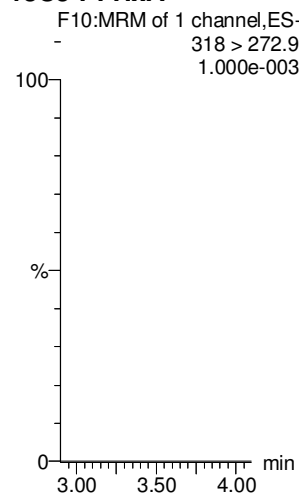
N-EtFOSE



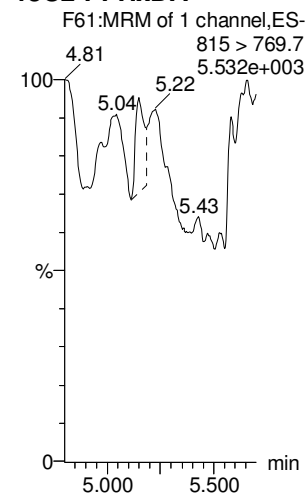
13C4-PFBA



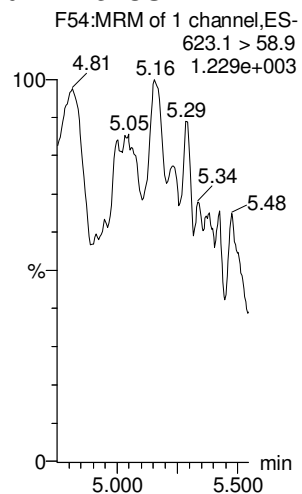
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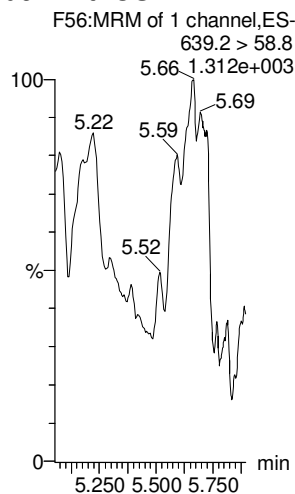
13C2-PFHxDA



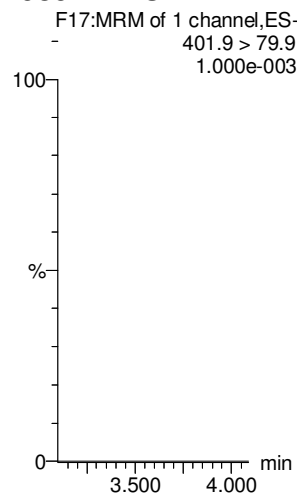
d7-N-MeFOSE



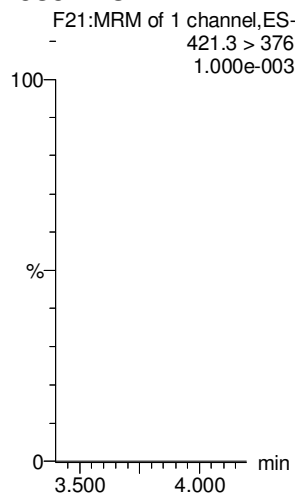
d9-N-EtFOSE



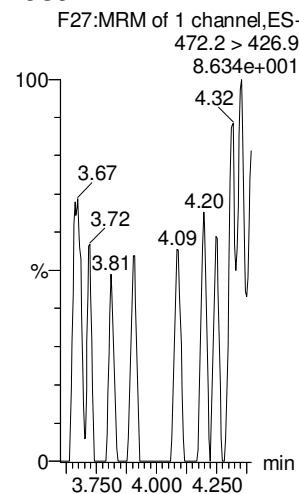
13C3-PFHxA



13C8-PFOA



13C9-PFNA



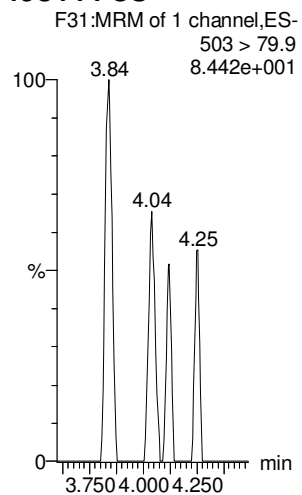
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Last Altered: Tuesday, August 15, 2017 14:59:08 Pacific Daylight Time

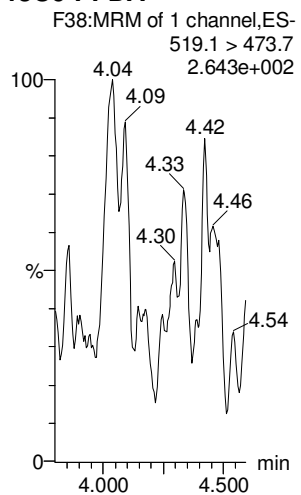
Printed: Tuesday, August 15, 2017 14:59:42 Pacific Daylight Time

Name: 170814M1_3, Date: 14-Aug-2017, Time: 14:57:28, ID: IPA, Description: IPA

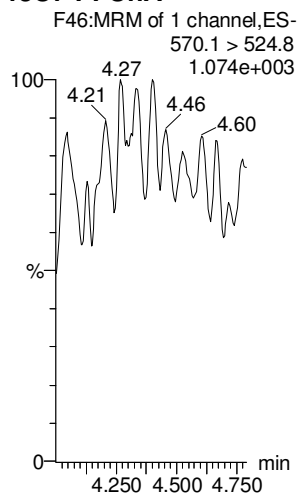
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\170814M1\170814M1-2.qld

Last Altered: Monday, August 14, 2017 17:02:22 Pacific Daylight Time

Printed: Monday, August 14, 2017 17:03:35 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 14 Aug 2017 16:54:23

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170814M1_2, Date: 14-Aug-2017, Time: 14:46:41, ID: ST170814M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

#	Name	Trace	Area	IS Resp	RRF	WL/Vol	RT	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1446.717	14960.409		1.000	1.51	1.05	105.20
2	2 PFPeA	263.1 > 218.9	2356.082	26443.443		1.000	2.73	1.06	105.60
3	3 PFBS	299 > 79.7	487.363	3235.237		1.000	2.94	0.99	99.40
4	4 PFHxA	313.2 > 268.9	3676.392	11850.918		1.000	3.16	0.72	72.31
5	5 PFHpA	363 > 318.9	3966.768	37602.430		1.000	3.42	0.71	70.62
6	6 PFHxS	398.9 > 79.6	458.376	2931.236		1.000	3.49	1.17	116.95
7	7 6:2 FTS	427.1 > 407	1033.377	10921.189		1.000	3.61	1.19	119.49
8	8 PFOA	413 > 368.7	6996.615	69355.984		1.000	3.62	1.13	113.17
9	9 PFHpS	448.9 > 98.8	468.783	69355.984		1.000	3.68	0.98	97.53
10	10 PFNA	462.9 > 418.8	6155.152	59149.348		1.000	3.81	0.80	80.35
11	11 PFOSA	498.1 > 77.8	642.919	7036.672		1.000	3.82	1.06	105.79
12	12 PFOS	499 > 79.9	891.672	11440.233		1.000	3.86	0.95	94.85
13	13 PFDA	513 > 468.8	6153.438	62068.152		1.000	3.98	0.99	99.36
14	14 8:2 FTS	527 > 506.9	963.906	7418.354		1.000	3.98	1.15	114.66
15	15 N-MeFOSAA	570.1 > 419	1661.305	15427.456		1.000	4.01	0.92	92.40
16	16 N-EtFOSAA	584.2 > 419	1445.588	15100.147		1.000	4.08	0.95	95.37
17	17 PFUnA	562.9 > 518.9	5276.830	79567.484		1.000	4.15	0.91	91.37
18	18 PFDS	598.9 > 98.7	503.421	79567.484		1.000	4.19	0.83	82.67
19	19 PFDoA	612.9 > 318.8	603.172	7682.160		1.000	4.31	1.12	112.29
20	20 N-MeFOSA	512.1 > 168.9	1039.029	28100.748		1.000	4.35	5.43	108.51
21	21 PFTrDA	662.9 > 618.9	6605.716	7682.160		1.000	4.48	0.95	94.95
22	22 PFTeDA	712.9 > 668.8	4619.484	49570.785		1.000	4.66	0.93	92.86
23	23 N-EtFOSA	526.1 > 168.9	1263.104	37960.109		1.000	4.89	5.16	103.23
24	24 PFHxDA	812.8 > 768.9	7554.311	24026.955		1.000	5.03	0.96	95.98
25	25 PFODA	912.8 > 868.8	6397.903	24026.955		1.000	5.39	0.97	96.61
26	26 N-MeFOSE	616.1 > 58.9	1552.840	42215.746		1.000	5.33	5.04	100.73
27	27 N-EtFOSE	630.1 > 58.9	1637.735	39476.645		1.000	5.51	3.62	72.36
28	28 13C3-PFBA	216.1 > 171.8	14960.409	16672.951	0.906	1.000	1.51	12.38	99.06
29	29 13C3-PFPeA	266 > 221.8	26443.443	41532.566	0.284	1.000	2.73	11.21	89.71
30	30 13C3-PFBS	302 > 98.8	3235.237	41532.566	0.033	1.000	2.94	11.85	94.77
31	31 13C2-PFHxA	315 > 269.8	11850.918	41532.566	0.304	1.000	3.16	4.70	93.98

30-130
SD-150

DM
9/14/17

Dataset: U:\Q4.PRO\results\170814M1\170814M1-2.qld

Last Altered: Monday, August 14, 2017 17:02:22 Pacific Daylight Time
Printed: Monday, August 14, 2017 17:03:35 Pacific Daylight Time

Name: 170814M1_2, Date: 14-Aug-2017, Time: 14:46:41, ID: ST170814M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

#	Name	Trace	Area	IS Resp	RRF	Wt./Vol	RT	Conc.	%Rec
32	32 13C4-PFHpA	367.2 > 321.8	37602.430	41532.566	0.384	1.000	3.42	11.79	94.29
33	33 18O2-PFHxS	403 > 102.6	2931.236	7561.511	0.417	1.000	3.49	11.62	92.93
34	34 13C2-6:2 FTS	429.1 > 408.9	10921.189	59412.145	0.202	1.000	3.61	11.39	91.13
35	35 13C2-PFOA	414.9 > 369.7	69355.984	59412.145	1.132	1.000	3.62	12.89	103.11
36	36 13C5-PFNA	468.2 > 422.9	59149.348	62387.309	0.946	1.000	3.80	12.53	100.21
37	37 13C8-PFOSA	506.1 > 77.7	7036.672	79993.000	0.119	1.000	3.81	9.21	73.66
38	38 13C8-PFOS	507 > 79.9	11440.233	11302.284	1.040	1.000	3.86	12.17	97.34
39	39 13C2-PFDA	515.1 > 469.9	62068.152	62258.402	0.971	1.000	3.98	12.84	102.69
40	40 13C2-8:2 FTS	529.1 > 508.7	7418.354	62258.402	0.140	1.000	3.97	10.62	84.94
41	41 d3-N-MeFOSAA	573.3 > 419	15427.456	79993.000	0.018	1.000	4.01	135.52	83.40
42	42 d5-N-EtFOSAA	589.3 > 419	15100.147	79993.000	0.018	1.000	4.08	129.43	79.65
43	43 13C2-PFUnA	565 > 519.8	79567.484	79993.000	1.085	1.000	4.15	11.46	91.66
44	44 13C2-PFDoA	615 > 569.7	7682.160	79993.000	0.123	1.000	4.31	9.75	77.99
45	45 d3-N-MeFOSA	515.2 > 168.9	28100.748	79993.000	0.043	1.000	4.39	101.49	67.66
46	46 13C2-PFTeDA	714.8 > 669.6	49570.785	79993.000	0.798	1.000	4.66	9.71	77.67
47	47 d5-N-ETFOSA	531.1 > 168.9	37960.109	79993.000	0.056	1.000	4.93	106.54	71.02
48	48 13C2-PFHxDA	815 > 769.7	24026.955	79993.000	0.926	1.000	5.03	4.05	81.05
49	49 d7-N-MeFOSE	623.1 > 58.9	42215.746	79993.000	0.059	1.000	5.32	110.97	73.98
50	50 d9-N-EtFOSE	639.2 > 58.8	39476.645	79993.000	0.059	1.000	5.49	103.71	69.14
51	51 13C4-PFBA	217 > 171.8	16672.951	16672.951	1.000	1.000	1.51	12.50	100.00
52	52 13C5-PFHxA	318 > 272.9	41532.566	41532.566	1.000	1.000	3.16	5.00	100.00
53	53 13C3-PFHxS	401.9 > 79.9	7561.511	7561.511	1.000	1.000	3.49	12.50	100.00
54	54 13C8-PFOA	421.3 > 376	59412.145	59412.145	1.000	1.000	3.62	12.50	100.00
55	55 13C9-PFNA	472.2 > 426.9	62387.309	62387.309	1.000	1.000	3.80	12.50	100.00
56	56 13C4-PFOS	503 > 79.9	11302.284	11302.284	1.000	1.000	3.86	12.50	100.00
57	57 13C6-PFDA	519.1 > 473.7	62258.402	62258.402	1.000	1.000	3.98	12.50	100.00
58	58 13C7-PFUnA	570.1 > 524.8	79993.000	79993.000	1.000	1.000	4.15	12.50	100.00

50-150
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Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170814M1.SPL
 Last Modified: Monday, August 14, 2017 17:36:46 Pacific Daylight Time
 Printed: Monday, August 14, 2017 17:36:48 Pacific Daylight Time

File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
1 170814M1_1	---	IPA	IPA	1.0000	1:48	Blank
2 170814M1_2	X	ST170814M1-1 PFC CS0 17H1302	PFC CS0 17H1302	1.0000	1:1	Analyte
3 170814M1_3	---	IPA	IPA	1.0000	1:48	Blank
4 170814M1_4	X	B7H0026-MS1 Matrix Spike 1	Matrix Spike	1.0000	1:3	Analyte
5 170814M1_5	X	B7H0026-MSD1 Matrix Spike Dup 1	Matrix Spike Dup	1.0000	1:4	Analyte
6 170814M1_6	X	1700958-01 MATP03045 1	MATP03045	1.0000	1:5	Analyte
7 170814M1_7	X	1700958-02 MATP03046 1	MATP03046	1.0000	1:6	Analyte
8 170814M1_8	X	1700958-03 MATP03047 1	MATP03047	1.0000	1:7	Analyte
9 170814M1_9	X	1700958-08 MATP04059 1	MATP04059	1.0000	1:8	Analyte
10 170814M1_10	O	1700958-09 MATP04060 1	MATP04060	1.0000	1:9	Analyte
11 170814M1_11	X	1700958-10 MATP04061 1	MATP04061	1.0000	1:10	Analyte
12 170814M1_12	X	1700958-11 MATP04062 1	MATP04062	1.0000	1:11	Analyte
13 170814M1_13	X	1700958-12 MATP05078 1	MATP05078	1.0000	1:12	Analyte
14 170814M1_14	O	1700958-13 MATP05079 1	MATP05079	1.0000	1:13	Analyte
15 170814M1_15	O	1700958-15 MATP05081 1	MATP05081	1.0000	1:14	Analyte
16 170814M1_16	---	IPA	IPA	1.0000	1:48	Blank
17 170814M1_17	---	ST170814M1-2 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
18 170814M1_18	---	IPA	IPA	1.0000	1:48	Blank
19 170814M1_19	---	B7H0078-BS1 OPR 0.125	OPR	0.1250	1:15	Analyte
20 170814M1_20	---	IPA	IPA	1.0000	1:48	Blank
21 170814M1_21	---	B7H0078-BLK1 Method Blank 0.125	Method Blank	0.1250	1:16	Analyte
22 170814M1_22	---	B7H0078-MS1 Matrix Spike 0.125	Matrix Spike	0.1250	1:17	Analyte
23 170814M1_23	---	B7H0078-MSD1 Matrix Spike Dup 0.125	Matrix Spike Dup	0.1250	1:18	Analyte
24 170814M1_24	---	1700862-01RE1 WS 252 0.00025	WS 252	0.0003	1:19	Analyte
25 170814M1_25	---	1700907-04RE1 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:20	Analyte
26 170814M1_26	---	1701031-01 BANGR-03-GW-TW03-080817 0.125	BANGR-03-GW-TW03-080817	0.1250	1:21	Analyte
27 170814M1_27	---	1701031-02 BANGR-05-GW-TW05-080817 0.125	BANGR-05-GW-TW05-080817	0.1250	1:22	Analyte
28 170814M1_28	---	1701031-03 BANGR-06-GW-TW06-080917 0.125	BANGR-06-GW-TW06-080917	0.1250	1:23	Analyte
29 170814M1_29	---	1701031-04 BANGR-12-GW-TW12-080817 0.125	BANGR-12-GW-TW12-080817	0.1250	1:24	Analyte
30 170814M1_30	---	1701034-01 SB01-20170808 0.125	SB01-20170808	0.1250	1:25	Analyte
31 170814M1_31	---	1701034-02 Site1-GW-01TW03-20170808 0.125	Site1-GW-01TW03-20170808	0.1250	1:26	Analyte
32 170814M1_32	---	1701034-03 Site1-GW-01TW01-20170808 0.125	Site1-GW-01TW01-20170808	0.1250	1:27	Analyte
33 170814M1_33	---	1701034-04 Site1-GW-FD01-20170808 0.125	Site1-GW-FD01-20170808	0.1250	1:28	Analyte
34 170814M1_34	---	1701034-05 EB01-20170808 0.125	EB01-20170808	0.1250	1:29	Analyte
35 170814M1_35	---	IPA	IPA	1.0000	1:48	Blank
36 170814M1_36	---	ST170814M1-3 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
37 170814M1_37	---	IPA	IPA	1.0000	1:48	Blank
38 170814M1_38	---	1701034-06 Site1-GW-01TW02-20170808 0.125	Site1-GW-01TW02-20170808	0.1250	1:30	Analyte
39 170814M1_39	---	1701038-01 OC-PFC-MW04R-0817 0.125	OC-PFC-MW04R-0817	0.1250	1:31	Analyte
40 170814M1_40	---	1701038-02 OC-PFC-EB081017 0.125	OC-PFC-EB081017	0.1250	1:32	Analyte

Sample List Report**MassLynx MassLynx V4.1 SCN945 SCN960**

Sample List: U:\Q4.PRO\SampleDB\170814M1.SPL
Last Modified: Monday, August 14, 2017 17:36:46 Pacific Daylight Time
Printed: Monday, August 14, 2017 17:36:48 Pacific Daylight Time

Page 3 of 4

Page Position (1, 2)

	File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
41	170814M1_41	---	IPA	IPA	1.0000	1:48	Blank
42	170814M1_42	---	ST170814M1-4 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
43	170814M1_43	---	IPA	IPA	1.0000	1:48	Blank

LC Calibration Standards Review Checklist

24

Calibration ID:	ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	
<u>ST170814MI-1</u> LMH	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>T</u> -2 LMH	<input 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"/>
<u>↓</u> -3 LMH	<input 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"/>
<u>↓</u> -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 checked="" 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"/>
_____ 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"/>
_____ 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: 8/21/17

Run Log Present:

of Samples per Sequence Checked:

Reviewed By: Yea 8/15/17
Initials/Date

Comments:

Full List

Dataset: U:\Q4.PRO\results\170814M1\170814M1-2.qld

Last Altered: Monday, August 14, 2017 17:02:22 Pacific Daylight Time

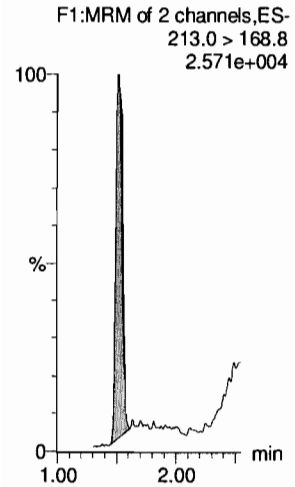
Printed: Monday, August 14, 2017 17:03:06 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 14 Aug 2017 16:54:23

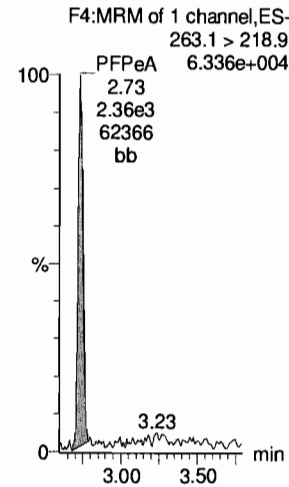
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170814M1_2, Date: 14-Aug-2017, Time: 14:46:41, ID: ST170814M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

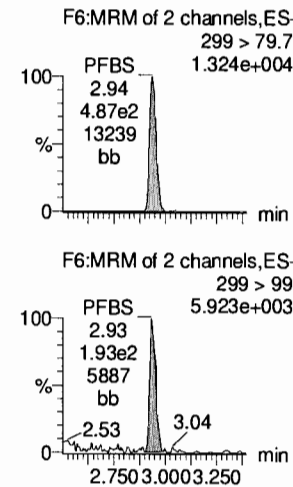
PFBA



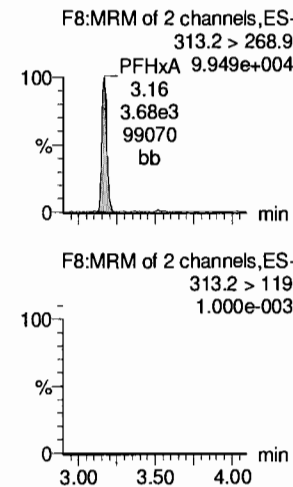
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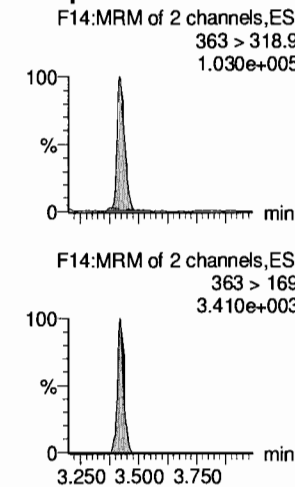
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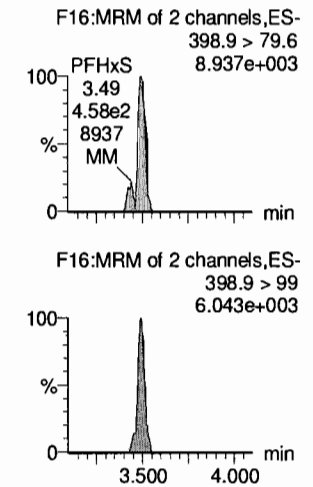
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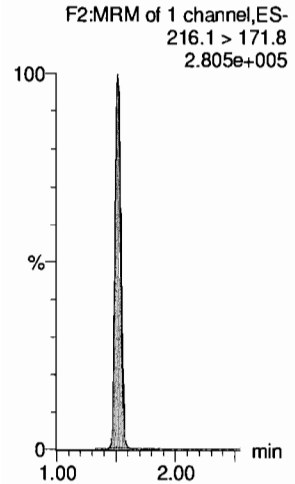
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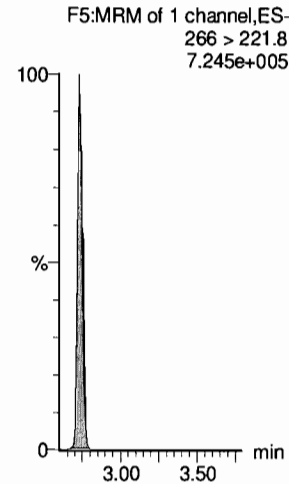
PFHxS



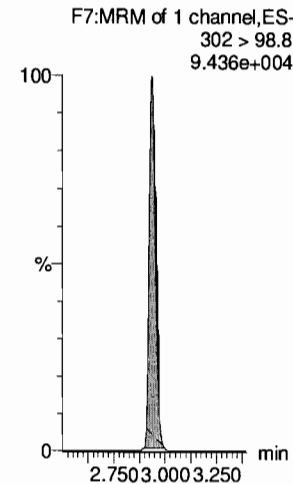
13C3-PFBA



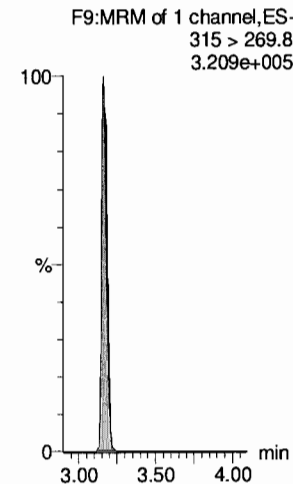
13C3-PFPeA



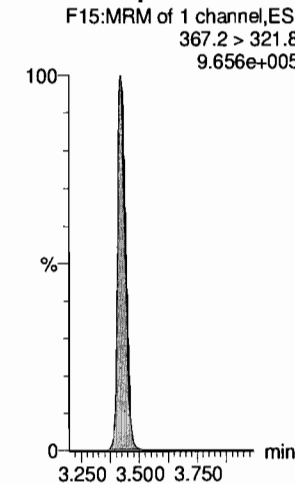
13C3-PFBS



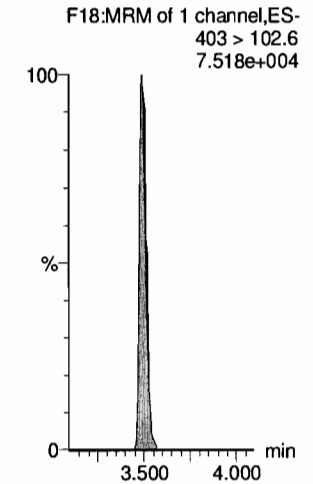
13C2-PFHxA



13C4-PFHpA



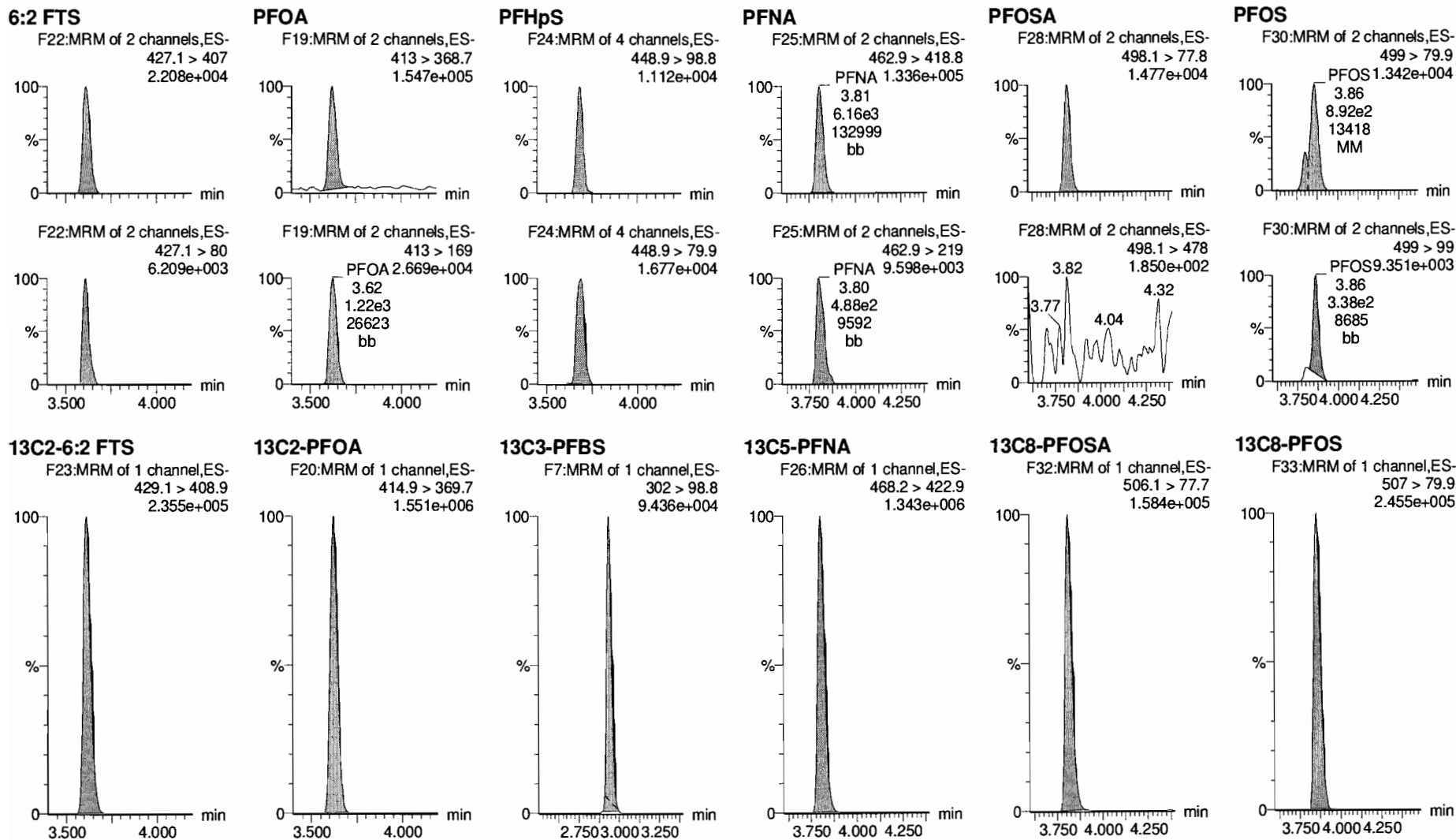
18O2-PFHxS



Dataset: U:\Q4.PRO\results\170814M1\170814M1-2.qld

Last Altered: Monday, August 14, 2017 17:02:22 Pacific Daylight Time
Printed: Monday, August 14, 2017 17:03:06 Pacific Daylight Time

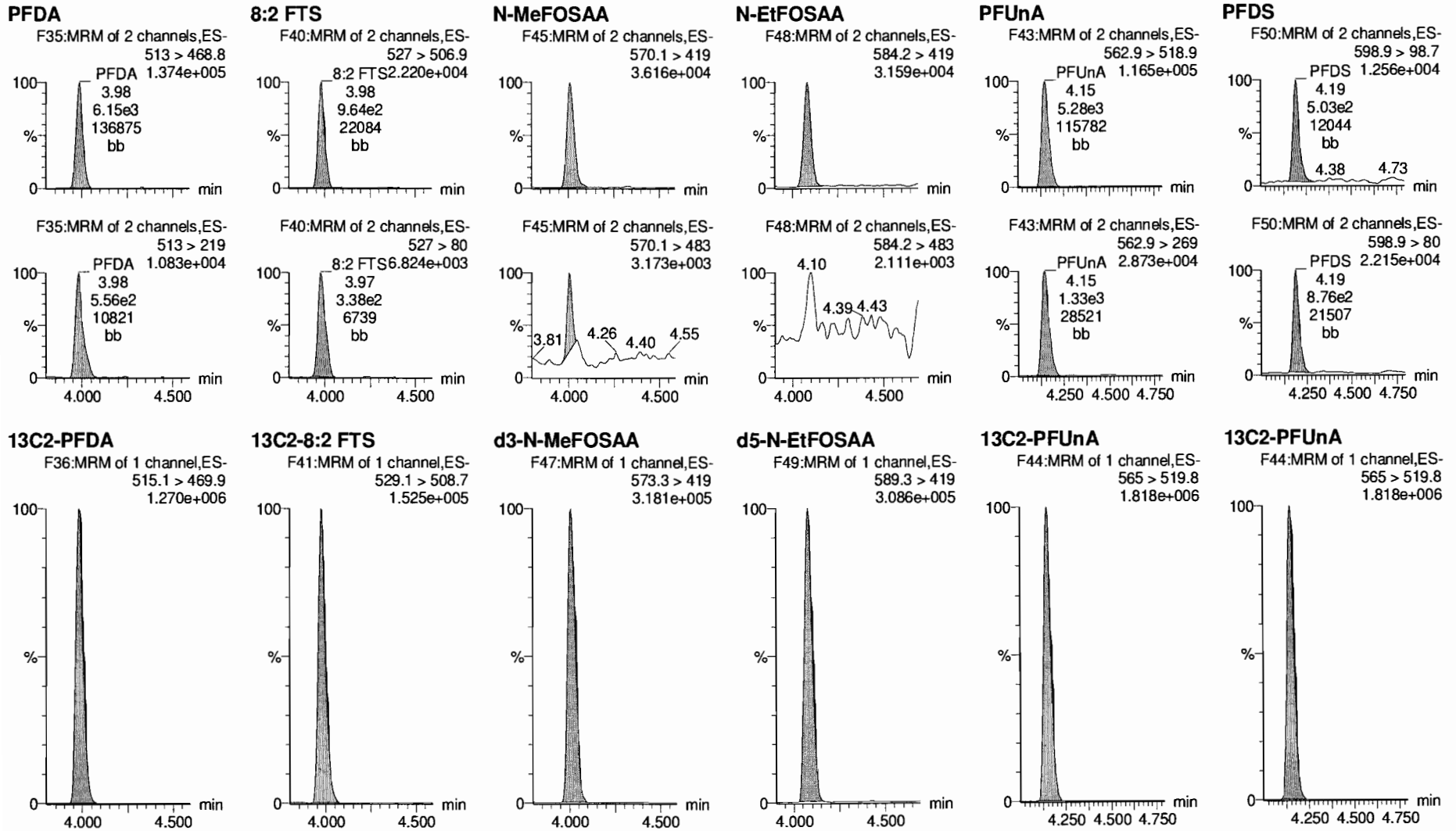
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Last Altered: Monday, August 14, 2017 17:02:22 Pacific Daylight Time
Printed: Monday, August 14, 2017 17:03:06 Pacific Daylight Time

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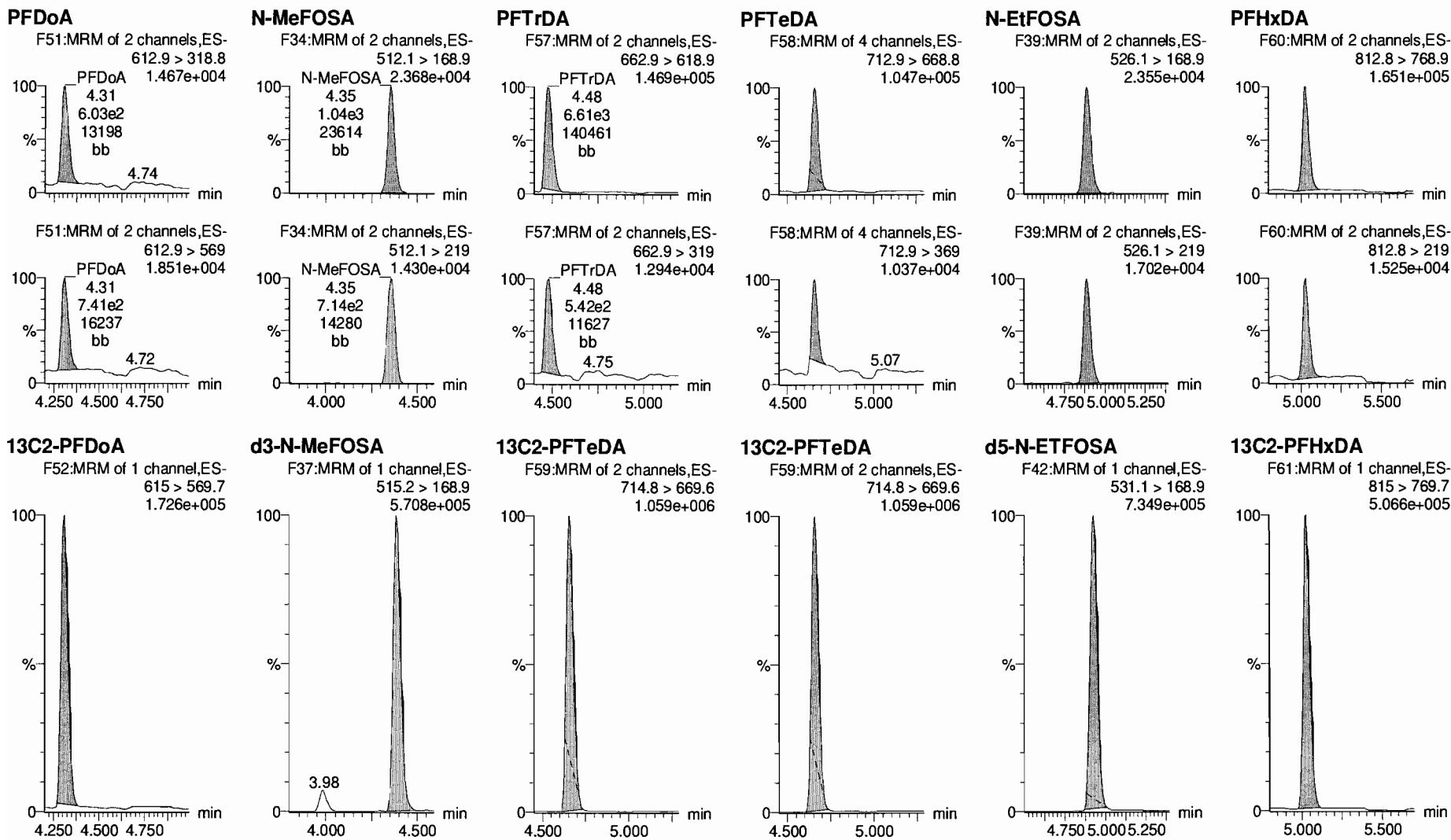


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Last Altered: Monday, August 14, 2017 17:02:22 Pacific Daylight Time

Printed: Monday, August 14, 2017 17:03:06 Pacific Daylight Time

Name: 170814M1_2, Date: 14-Aug-2017, Time: 14:46:41, ID: ST170814M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

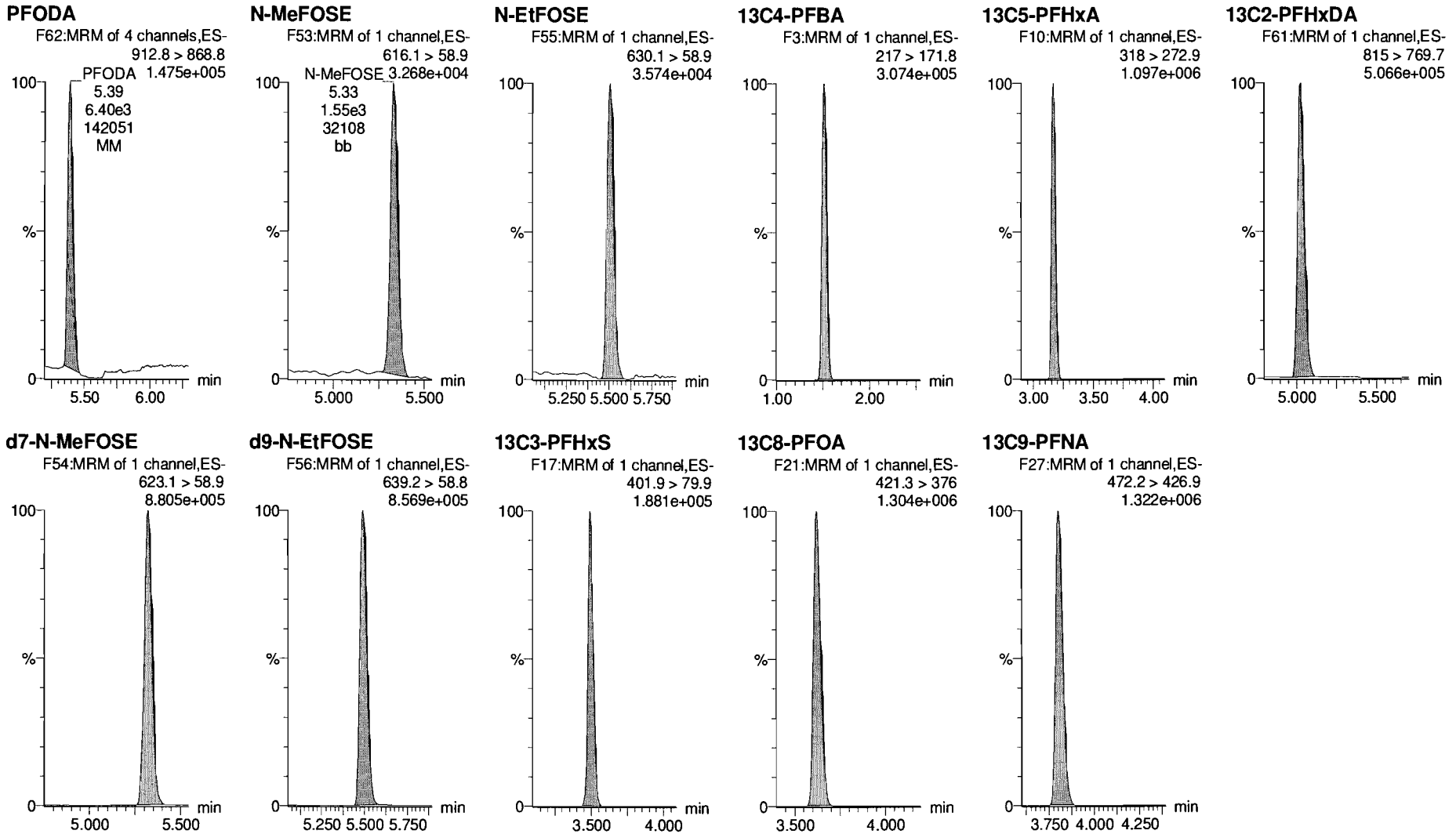


Dataset: U:\Q4.PRO\results\170814M1\170814M1-2.qld

Last Altered: Monday, August 14, 2017 17:02:22 Pacific Daylight Time

Printed: Monday, August 14, 2017 17:03:06 Pacific Daylight Time

Name: 170814M1_2, Date: 14-Aug-2017, Time: 14:46:41, ID: ST170814M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302



Dataset: U:\Q4.PRO\results\170814M1\170814M1-2.qld

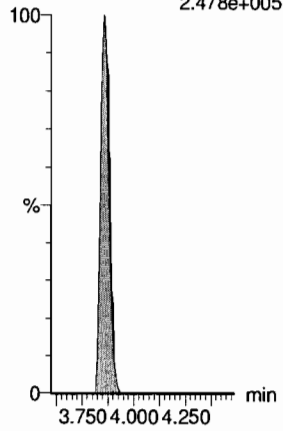
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Printed: Monday, August 14, 2017 17:03:06 Pacific Daylight Time

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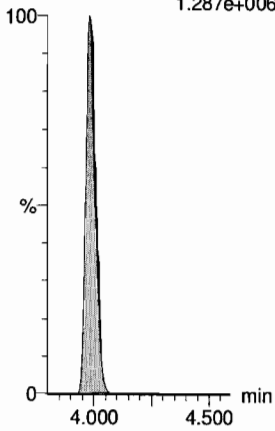
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.478e+005



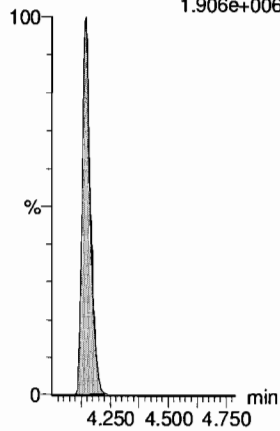
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.287e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.906e+006



Dataset: U:\Q4.PRO\results\170814M1\170814M1-17.qld

Last Altered: Tuesday, August 15, 2017 09:00:31 Pacific Daylight Time

Printed: Tuesday, August 15, 2017 09:01:25 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 14 Aug 2017 17:01:30

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170814M1_17, Date: 14-Aug-2017, Time: 17:27:32, ID: ST170814M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	Trace	Area	IS Resp	RRF	Wt./Vol	RT	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	13782.136	15460.034		1.000	1.54	10.16	101.59
2	2 PFPeA	263.1 > 218.9	22790.592	28522.715		1.000	2.75	10.46	104.63
3	3 PFBS	299 > 79.7	4593.691	3300.647		1.000	2.94	10.05	100.52
4	4 PFHxA	313.2 > 268.9	34713.320	12114.479		1.000	3.17	10.85	108.46
5	5 PFHpA	363 > 318.9	38380.438	38934.496		1.000	3.43	10.44	104.40
6	6 PFHxS	398.9 > 79.6	4275.215	3715.458		1.000	3.50	8.18	81.82
7	7 6:2 FTS	427.1 > 407	8032.856	9781.575		1.000	3.62	11.02	110.21
8	8 PFOA	413 > 368.7	59415.352	69833.570		1.000	3.63	10.69	106.93
9	9 PFHpS	448.9 > 98.8	5335.240	69833.570		1.000	3.69	12.05	120.46
10	10 PFNA	462.9 > 418.8	55257.879	62421.574		1.000	3.81	10.77	107.69
11	11 PFOSA	498.1 > 77.8	5750.566	6632.783		1.000	3.82	10.29	102.93
12	12 PFOS	499 > 79.9	9860.740	11489.068		1.000	3.87	10.10	100.95
13	13 PFDA	513 > 468.8	61942.355	61852.469		1.000	3.99	10.97	109.66
14	14 8:2 FTS	527 > 506.9	7340.588	6589.708		1.000	3.99	10.06	100.61
15	15 N-MeFOSAA	570.1 > 419	16082.174	14061.378		1.000	4.02	9.62	96.20
16	16 N-EtFOSAA	584.2 > 419	13072.968	13334.015		1.000	4.09	10.17	101.74
17	17 PFUnA	562.9 > 518.9	46703.246	75497.039		1.000	4.16	9.46	94.65
18	18 PFDS	598.9 > 98.7	4594.098	75497.039		1.000	4.20	9.19	91.94
19	19 PFDoA	612.9 > 318.8	4824.840	7373.646		1.000	4.31	9.76	97.61
20	20 N-MeFOSA	512.1 > 168.9	10230.861	28887.863		1.000	4.36	59.56	119.11
21	21 PFTrDA	662.9 > 618.9	63436.902	7373.646		1.000	4.49	10.61	106.08
22	22 PFTeDA	712.9 > 668.8	41541.441	47532.074		1.000	4.67	9.54	95.42
23	23 N-EtFOSA	526.1 > 168.9	11508.966	37506.574		1.000	4.90	51.91	103.82
24	24 PFHxDA	812.8 > 768.9	65337.953	24452.336		1.000	5.04	9.20	92.02
25	25 PFODA	912.8 > 868.8	56125.063	24452.336		1.000	5.40	8.95	89.49
26	26 N-MeFOSE	616.1 > 58.9	13404.210	40370.043		1.000	5.33	53.49	106.98
27	27 N-EtFOSE	630.1 > 58.9	14913.491	38813.023		1.000	5.50	54.23	108.47
28	28 13C3-PFBA	216.1 > 171.8	15460.034	17151.904	0.906	1.000	1.53	12.44	99.51
29	29 13C3-PFPeA	266 > 221.8	28522.715	40591.465	0.284	1.000	2.75	12.38	99.01
30	30 13C3-PFBS	302 > 98.8	3300.647	40591.465	0.033	1.000	2.95	12.37	98.93
31	31 13C2-PFHxA	315 > 269.8	12114.479	40591.465	0.304	1.000	3.17	4.91	98.29

70-130

50-150

dm
8/11 5/17

Dataset: U:\Q4.PRO\results\170814M1\170814M1-17.qld

Last Altered: Tuesday, August 15, 2017 09:00:31 Pacific Daylight Time

Printed: Tuesday, August 15, 2017 09:01:25 Pacific Daylight Time

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32	32 13C4-PFHpA	367.2 > 321.8	38934.496	40591.465	0.384	1.000	3.43	12.49	99.90
33	33 18O2-PFHxS	403 > 102.6	3715.458	8274.984	0.417	1.000	3.50	13.46	107.64
34	34 13C2-6:2 FTS	429.1 > 408.9	9781.575	59456.613	0.202	1.000	3.62	10.19	81.56
35	35 13C2-PFOA	414.9 > 369.7	69833.570	59456.613	1.132	1.000	3.63	12.97	103.74
36	36 13C5-PFNA	468.2 > 422.9	62421.574	60680.680	0.946	1.000	3.81	13.59	108.73
37	37 13C8-PFOA	506.1 > 77.7	6632.783	58631.730	0.119	1.000	3.82	11.84	94.73
38	38 13C8-PFOS	507 > 79.9	11489.068	11000.922	1.040	1.000	3.86	12.55	100.44
39	39 13C2-PFDA	515.1 > 469.9	61852.469	60678.406	0.971	1.000	3.99	13.13	105.00
40	40 13C2-8:2 FTS	529.1 > 508.7	6589.708	60678.406	0.140	1.000	3.99	9.68	77.42
41	41 d3-N-MeFOSAA	573.3 > 419	14061.378	58631.730	0.018	1.000	4.02	168.53	103.71
42	42 d5-N-ElFOSAA	589.3 > 419	13334.015	58631.730	0.018	1.000	4.09	155.93	95.96
43	43 13C2-PFUnA	565 > 519.8	75497.039	58631.730	1.085	1.000	4.16	14.83	118.66
44	44 13C2-PFDoA	615 > 569.7	7373.646	58631.730	0.123	1.000	4.32	12.77	102.14
45	45 d3-N-MeFOSA	515.2 > 168.9	28887.863	58631.730	0.043	1.000	4.40	142.34	94.90
46	46 13C2-PFTeDA	714.8 > 669.6	47532.074	58631.730	0.798	1.000	4.67	12.70	101.62
47	47 d5-N-ETFOSA	531.1 > 168.9	37506.574	58631.730	0.056	1.000	4.93	143.61	95.74
48	48 13C2-PFHxDA	815 > 769.7	24452.336	58631.730	0.926	1.000	5.04	5.63	112.54
49	49 d7-N-MeFOSE	623.1 > 58.9	40370.043	58631.730	0.059	1.000	5.32	144.78	96.52
50	50 d9-N-ElFOSE	639.2 > 58.8	38813.023	58631.730	0.059	1.000	5.49	139.12	92.74
51	51 13C4-PFBA	217 > 171.8	17151.904	17151.904	1.000	1.000	1.53	12.50	100.00
52	52 13C5-PFHxA	318 > 272.9	40591.465	40591.465	1.000	1.000	3.17	5.00	100.00
53	53 13C3-PFHxS	401.9 > 79.9	8274.984	8274.984	1.000	1.000	3.50	12.50	100.00
54	54 13C8-PFOA	421.3 > 376	59456.613	59456.613	1.000	1.000	3.63	12.50	100.00
55	55 13C9-PFNA	472.2 > 426.9	60680.680	60680.680	1.000	1.000	3.81	12.50	100.00
56	56 13C4-PFOS	503 > 79.9	11000.922	11000.922	1.000	1.000	3.86	12.50	100.00
57	57 13C6-PFDA	519.1 > 473.7	60678.406	60678.406	1.000	1.000	3.99	12.50	100.00
58	58 13C7-PFUnA	570.1 > 524.8	58631.730	58631.730	1.000	1.000	4.16	12.50	100.00

50-100
↓

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170814M1.SPL
 Last Modified: Monday, August 14, 2017 17:36:46 Pacific Daylight Time
 Printed: Monday, August 14, 2017 17:36:48 Pacific Daylight Time

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2 170814M1_2	X	ST170814M1-1 PFC CS0 17H1302	PFC CS0 17H1302	1.0000	1:1	Analyte
3 170814M1_3	---	IPA	IPA	1.0000	1:48	Blank
4 170814M1_4	X	B7H0026-MS1 Matrix Spike 1	Matrix Spike	1.0000	1:3	Analyte
5 170814M1_5	X	B7H0026-MSD1 Matrix Spike Dup 1	Matrix Spike Dup	1.0000	1:4	Analyte
6 170814M1_6	X	1700958-01 MATP03045 1	MATP03045	1.0000	1:5	Analyte
7 170814M1_7	X	1700958-02 MATP03046 1	MATP03046	1.0000	1:6	Analyte
8 170814M1_8	X	1700958-03 MATP03047 1	MATP03047	1.0000	1:7	Analyte
9 170814M1_9	X	1700958-08 MATP04059 1	MATP04059	1.0000	1:8	Analyte
10 170814M1_10	O	1700958-09 MATP04060 1	MATP04060	1.0000	1:9	Analyte
11 170814M1_11	X	1700958-10 MATP04061 1	MATP04061	1.0000	1:10	Analyte
12 170814M1_12	X	1700958-11 MATP04062 1	MATP04062	1.0000	1:11	Analyte
13 170814M1_13	X	1700958-12 MATP05078 1	MATP05078	1.0000	1:12	Analyte
14 170814M1_14	O	1700958-13 MATP05079 1	MATP05079	1.0000	1:13	Analyte
15 170814M1_15	O	1700958-15 MATP05081 1	MATP05081	1.0000	1:14	Analyte
16 170814M1_16	---	IPA	IPA	1.0000	1:48	Blank
17 170814M1_17	---	ST170814M1-2 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
18 170814M1_18	---	IPA	IPA	1.0000	1:48	Blank
19 170814M1_19	---	B7H0078-BS1 OPR 0.125	OPR	0.1250	1:15	Analyte
20 170814M1_20	---	IPA	IPA	1.0000	1:48	Blank
21 170814M1_21	---	B7H0078-BLK1 Method Blank 0.125	Method Blank	0.1250	1:16	Analyte
22 170814M1_22	---	B7H0078-MS1 Matrix Spike 0.125	Matrix Spike	0.1250	1:17	Analyte
23 170814M1_23	---	B7H0078-MSD1 Matrix Spike Dup 0.125	Matrix Spike Dup	0.1250	1:18	Analyte
24 170814M1_24	---	1700862-01RE1 WS 252 0.00025	WS 252	0.0003	1:19	Analyte
25 170814M1_25	---	1700907-04RE1 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:20	Analyte
26 170814M1_26	---	1701031-01 BANGR-03-GW-TW03-080817 0.125	BANGR-03-GW-TW03-080817	0.1250	1:21	Analyte
27 170814M1_27	---	1701031-02 BANGR-05-GW-TW05-080817 0.125	BANGR-05-GW-TW05-080817	0.1250	1:22	Analyte
28 170814M1_28	---	1701031-03 BANGR-06-GW-TW06-080917 0.125	BANGR-06-GW-TW06-080917	0.1250	1:23	Analyte
29 170814M1_29	---	1701031-04 BANGR-12-GW-TW12-080817 0.125	BANGR-12-GW-TW12-080817	0.1250	1:24	Analyte
30 170814M1_30	---	1701034-01 SB01-20170808 0.125	SB01-20170808	0.1250	1:25	Analyte
31 170814M1_31	---	1701034-02 Site1-GW-01TW03-20170808 0.125	Site1-GW-01TW03-20170808	0.1250	1:26	Analyte
32 170814M1_32	---	1701034-03 Site1-GW-01TW01-20170808 0.125	Site1-GW-01TW01-20170808	0.1250	1:27	Analyte
33 170814M1_33	---	1701034-04 Site1-GW-FD01-20170808 0.125	Site1-GW-FD01-20170808	0.1250	1:28	Analyte
34 170814M1_34	---	1701034-05 EB01-20170808 0.125	EB01-20170808	0.1250	1:29	Analyte
35 170814M1_35	---	IPA	IPA	1.0000	1:48	Blank
36 170814M1_36	---	ST170814M1-3 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
37 170814M1_37	---	IPA	IPA	1.0000	1:48	Blank
38 170814M1_38	---	1701034-06 Site1-GW-01TW02-20170808 0.125	Site1-GW-01TW02-20170808	0.1250	1:30	Analyte
39 170814M1_39	---	1701038-01 OC-PFC-MW04R-0817 0.125	OC-PFC-MW04R-0817	0.1250	1:31	Analyte
40 170814M1_40	---	1701038-02 OC-PFC-EB081017 0.125	OC-PFC-EB081017	0.1250	1:32	Analyte

Sample List Report**MassLynx MassLynx V4.1 SCN945 SCN960**

Sample List: U:\Q4.PRO\SampleDB\170814M1.SPL
Last Modified: Monday, August 14, 2017 17:36:46 Pacific Daylight Time
Printed: Monday, August 14, 2017 17:36:48 Pacific Daylight Time

Page 3 of 4

Page Position (1, 2)

	File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
41	170814M1_41	---	IPA	IPA	1.0000	1:48	Blank
42	170814M1_42	---	ST170814M1-4 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
43	170814M1_43	---	IPA	IPA	1.0000	1:48	Blank

Dataset: U:\Q4.PRO\results\170814M1\170814M1-17.qld

Last Altered: Tuesday, August 15, 2017 09:00:31 Pacific Daylight Time

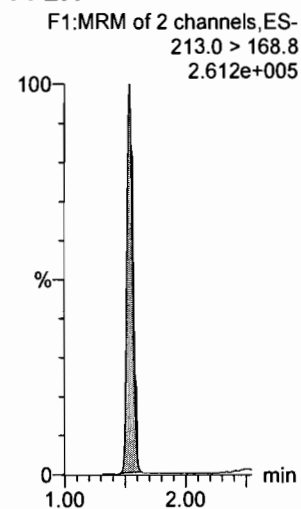
Printed: Tuesday, August 15, 2017 09:01:14 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 14 Aug 2017 17:01:30

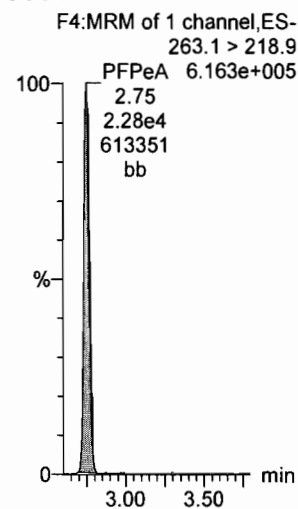
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170814M1_17, Date: 14-Aug-2017, Time: 17:27:32, ID: ST170814M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

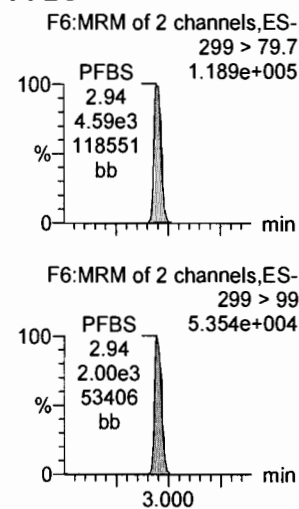
PFBA



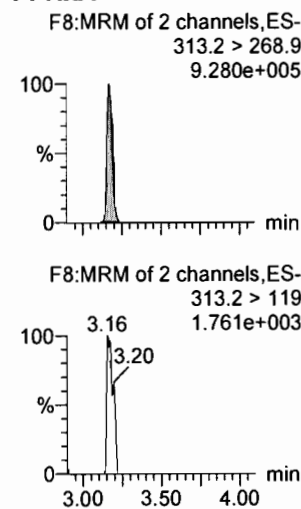
PFPeA



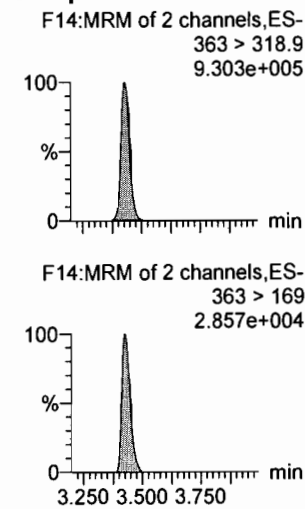
PFBS



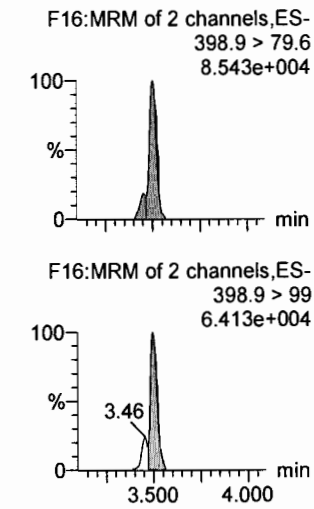
PFHxA



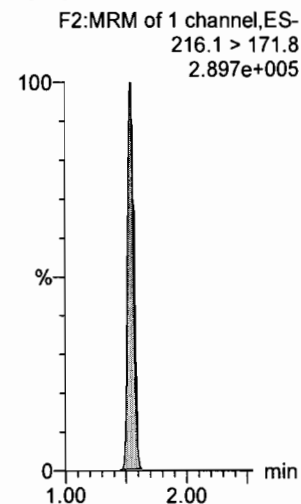
PFHpA



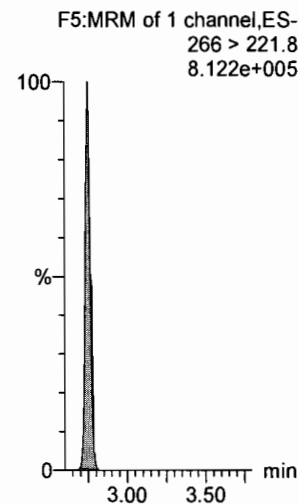
PFHxS



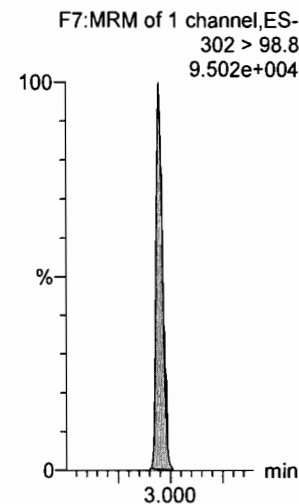
13C3-PFBA



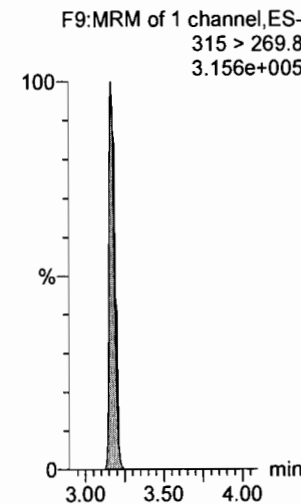
13C3-PFPeA



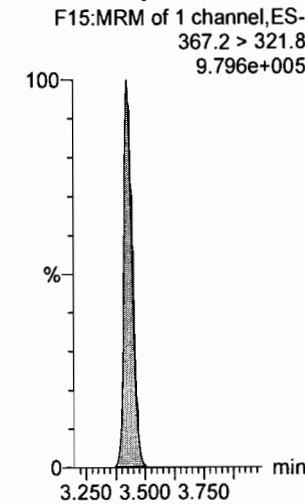
13C3-PFBS



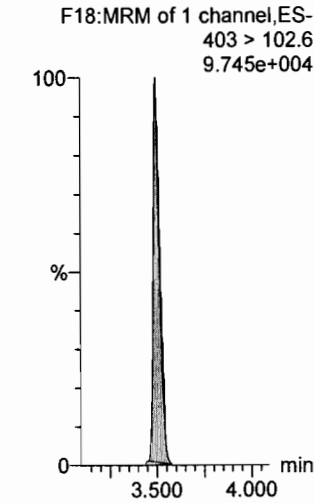
13C2-PFHxA



13C4-PFHpA



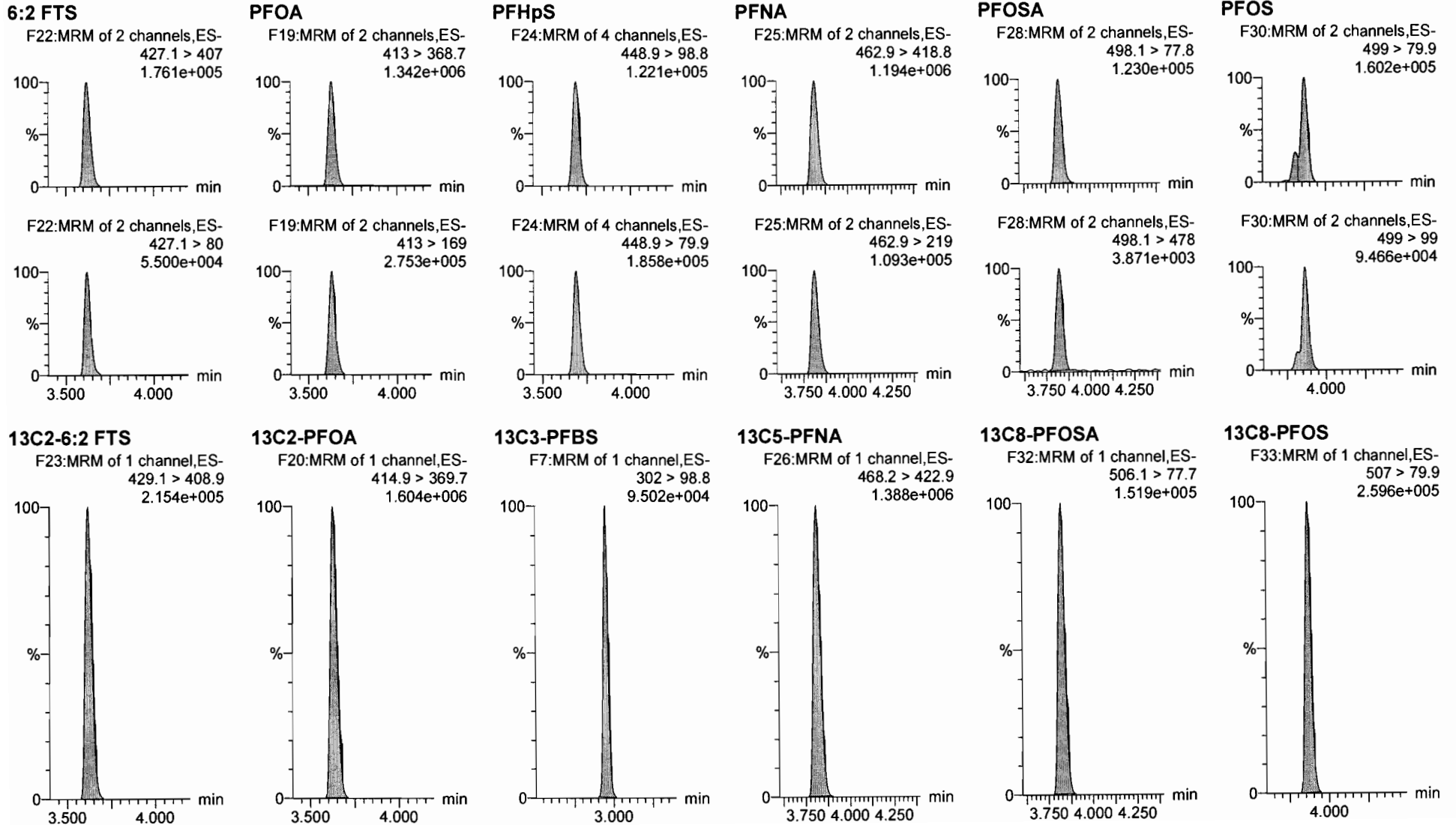
18O2-PFHxS



Dataset: U:\Q4.PRO\results\170814M1\170814M1-17.qld

Last Altered: Tuesday, August 15, 2017 09:00:31 Pacific Daylight Time
Printed: Tuesday, August 15, 2017 09:01:14 Pacific Daylight Time

Name: 170814M1_17, Date: 14-Aug-2017, Time: 17:27:32, ID: ST170814M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

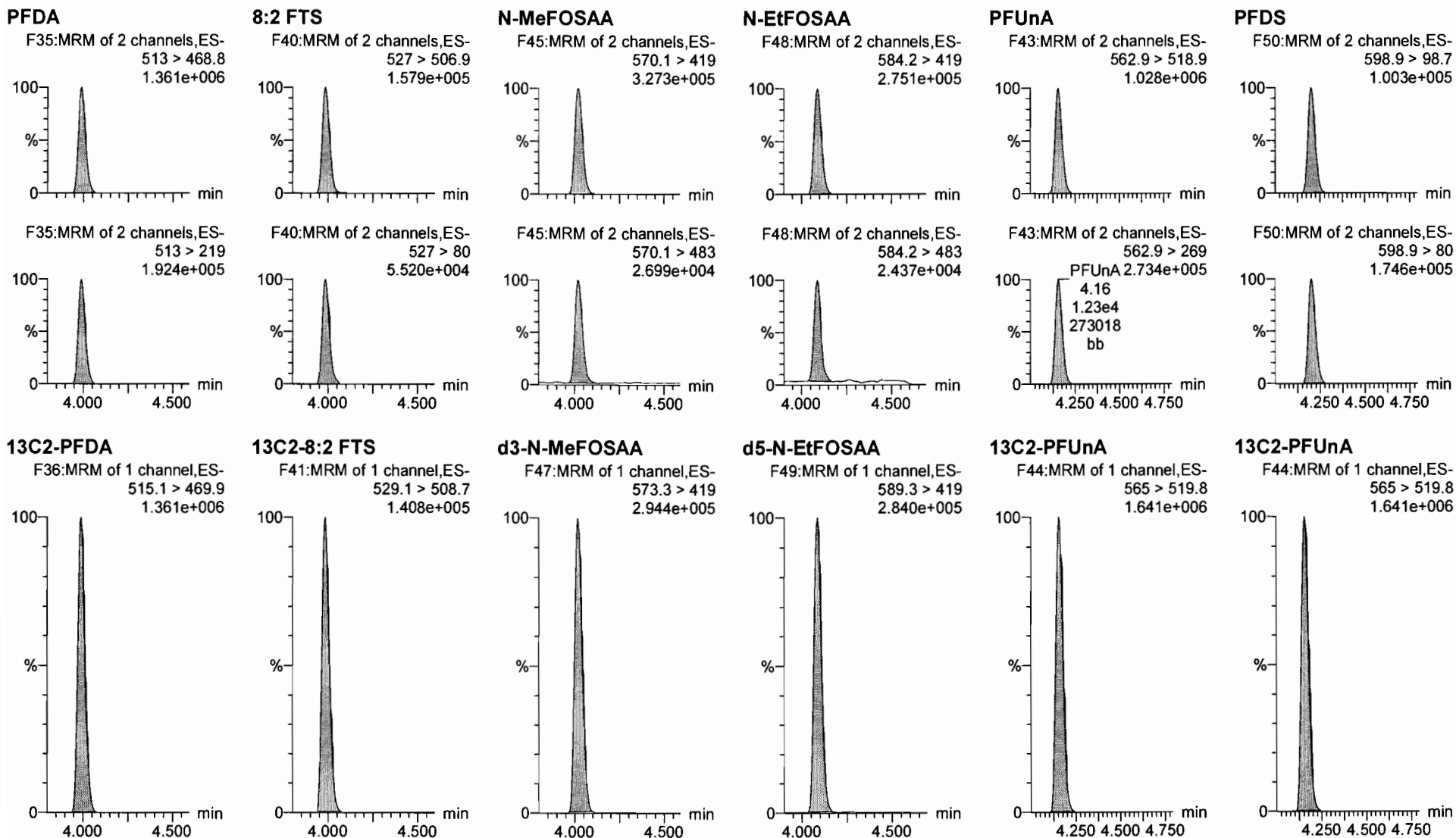


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Printed: Tuesday, August 15, 2017 09:01:14 Pacific Daylight Time

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Dataset: U:\Q4.PRO\results\170814M1\170814M1-17.qld

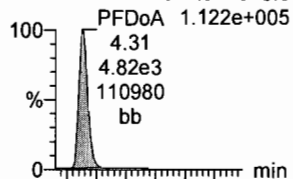
Last Altered: Tuesday, August 15, 2017 09:00:31 Pacific Daylight Time

Printed: Tuesday, August 15, 2017 09:01:14 Pacific Daylight Time

Name: 170814M1_17, Date: 14-Aug-2017, Time: 17:27:32, ID: ST170814M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

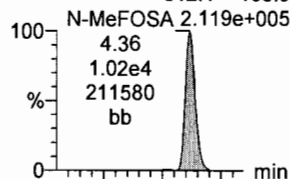
PFDoA

F51:MRM of 2 channels,ES-
612.9 > 318.8



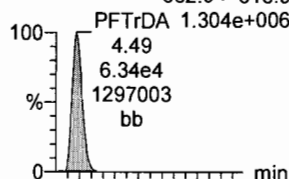
N-MeFOSA

F34:MRM of 2 channels,ES-
512.1 > 168.9



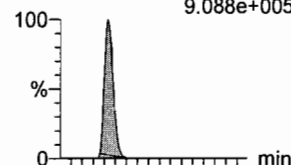
PFTrDA

F57:MRM of 2 channels,ES-
662.9 > 618.9



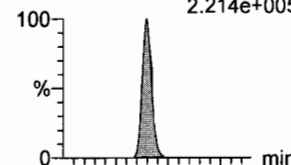
PFTeDA

F58:MRM of 4 channels,ES-
712.9 > 668.8
9.088e+005



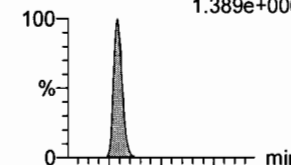
N-EtFOSA

F39:MRM of 2 channels,ES-
526.1 > 168.9
2.214e+005

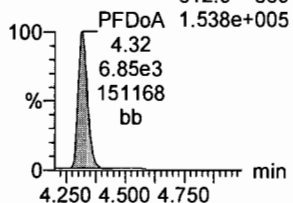


PFHxDA

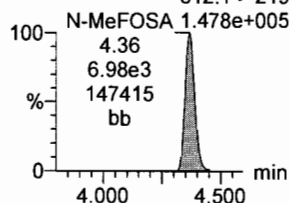
F60:MRM of 2 channels,ES-
812.8 > 768.9
1.389e+006



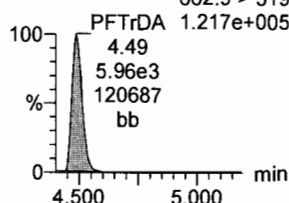
F51:MRM of 2 channels,ES-
612.9 > 569



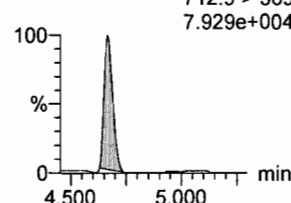
F34:MRM of 2 channels,ES-
512.1 > 219



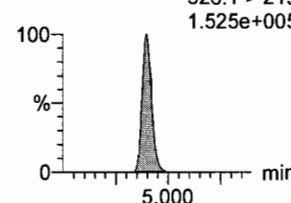
F57:MRM of 2 channels,ES-
662.9 > 319



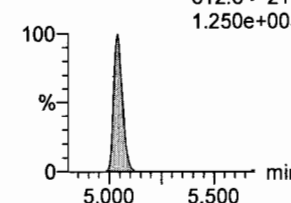
F58:MRM of 4 channels,ES-
712.9 > 369
7.929e+004



F39:MRM of 2 channels,ES-
526.1 > 219
1.525e+005

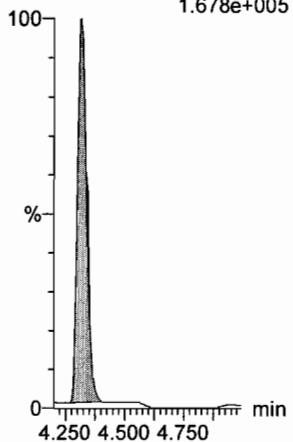


F60:MRM of 2 channels,ES-
812.8 > 219
1.250e+005



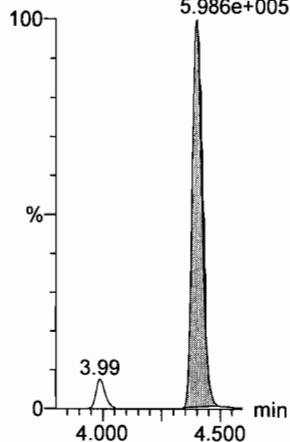
13C2-PFDoA

F52:MRM of 1 channel,ES-
615 > 569.7
1.678e+005



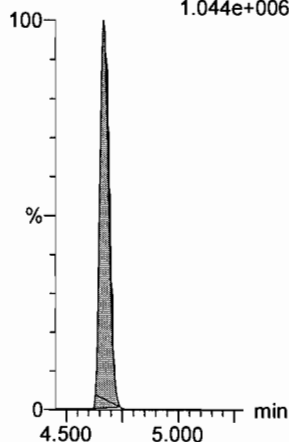
d3-N-MeFOSA

F37:MRM of 1 channel,ES-
515.2 > 168.9
5.986e+005



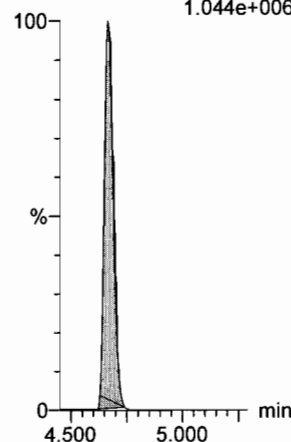
13C2-PFTrDA

F59:MRM of 2 channels,ES-
714.8 > 669.6
1.044e+006



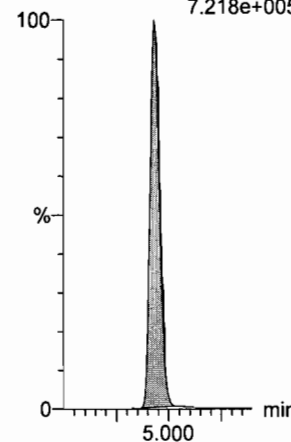
13C2-PFTeDA

F59:MRM of 2 channels,ES-
714.8 > 669.6
1.044e+006



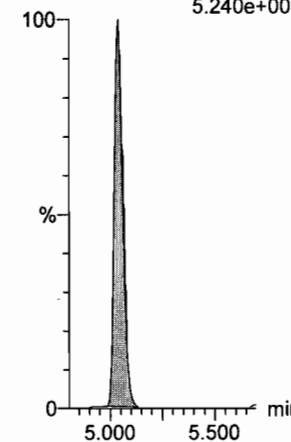
d5-N-ETFOSA

F42:MRM of 1 channel,ES-
531.1 > 168.9
7.218e+005



13C2-PFHxDA

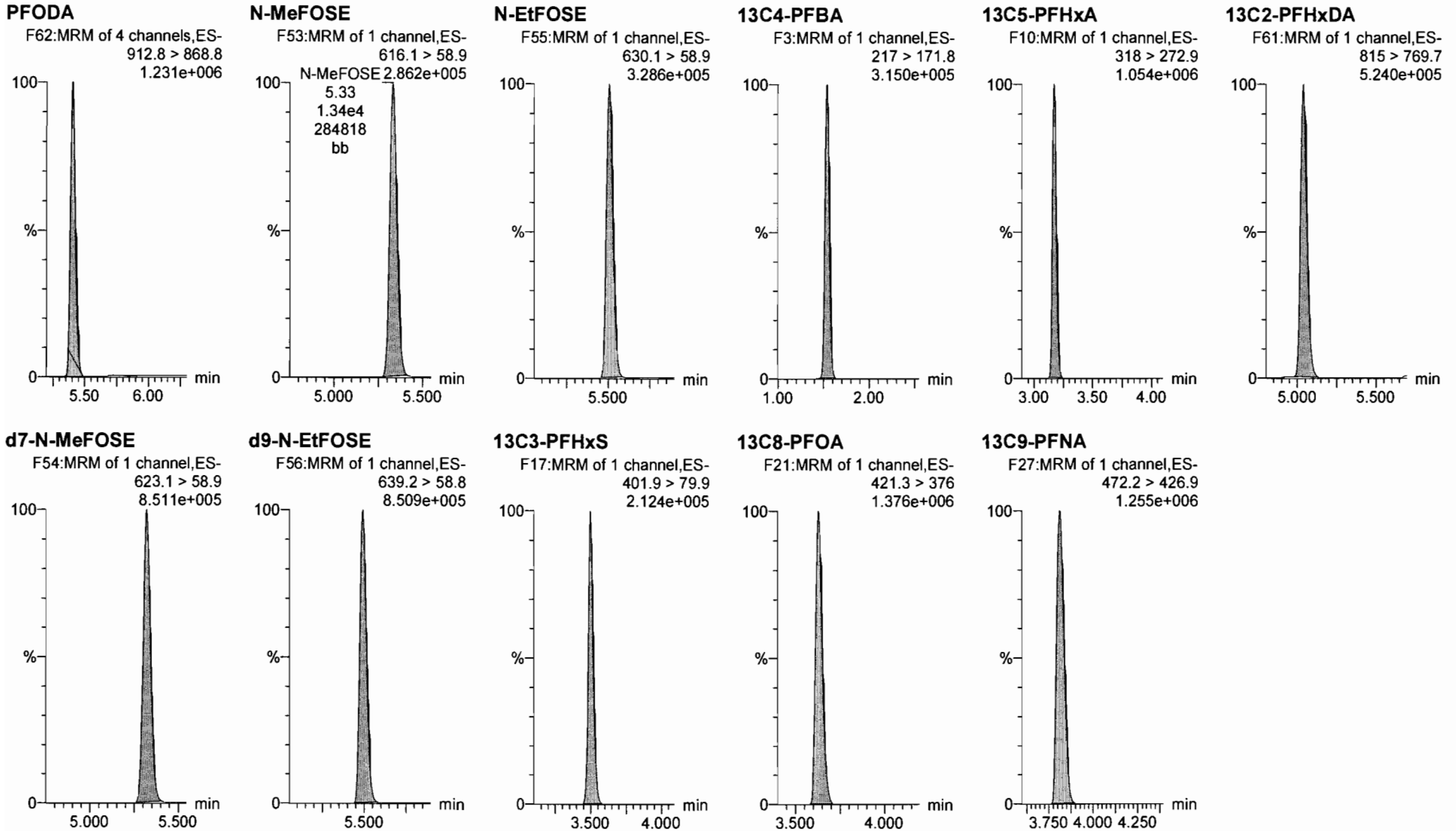
F61:MRM of 1 channel,ES-
815 > 769.7
5.240e+005



Dataset: U:\Q4.PRO\results\170814M1\170814M1-17.qld

Last Altered: Tuesday, August 15, 2017 09:00:31 Pacific Daylight Time
Printed: Tuesday, August 15, 2017 09:01:14 Pacific Daylight Time

Name: 170814M1_17, Date: 14-Aug-2017, Time: 17:27:32, ID: ST170814M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301



Dataset: U:\Q4.PRO\results\170814M1\170814M1-17.qld

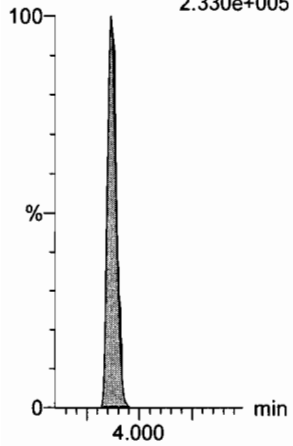
Last Altered: Tuesday, August 15, 2017 09:00:31 Pacific Daylight Time

Printed: Tuesday, August 15, 2017 09:01:14 Pacific Daylight Time

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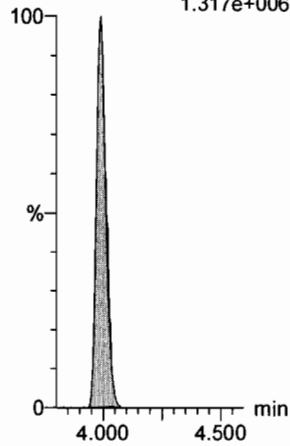
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.330e+005



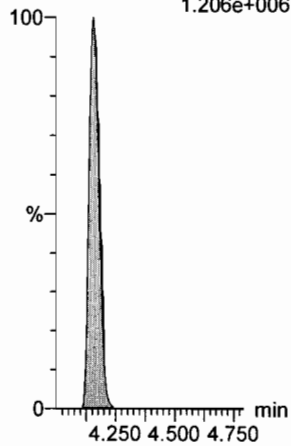
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.317e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.206e+006



Dataset: U:\Q4.PRO\results\170814M1\170814M1-36.qld

Last Altered: Tuesday, August 15, 2017 09:30:58 Pacific Daylight Time

Printed: Tuesday, August 15, 2017 09:31:21 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 14 Aug 2017 17:01:30

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170814M1_36, Date: 14-Aug-2017, Time: 20:50:12, ID: ST170814M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	Trace	Area	IS Resp	RRF	Wt./Vol	RT	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	13889.983	15844.948		1.000	1.45	9.99	99.88
2	2 PFPeA	263.1 > 218.9	23840.104	29387.006		1.000	2.71	10.63	106.25
3	3 PFBS	299 > 79.7	4849.708	3434.960		1.000	2.92	10.20	101.98
4	4 PFHxA	313.2 > 268.9	37241.652	12918.252		1.000	3.15	10.91	109.15
5	5 PFHpA	363 > 318.9	39375.195	41335.320		1.000	3.41	10.07	100.73
6	6 PFHxS	398.9 > 79.6	4758.563	3457.672		1.000	3.48	9.78	97.78
7	7 6:2 FTS	427.1 > 407	9976.313	11947.646		1.000	3.60	11.21	112.11
8	8 PFOA	413 > 368.7	64118.016	74722.945		1.000	3.62	10.79	107.86
9	9 PFHpS	448.9 > 98.8	5762.908	74722.945		1.000	3.68	12.16	121.61
10	10 PFNA	462.9 > 418.8	61644.273	68611.031		1.000	3.80	10.94	109.38
11	11 PFOSA	498.1 > 77.8	7502.567	8722.760		1.000	3.81	10.21	102.11
12	12 PFOS	499 > 79.9	10768.667	12327.464		1.000	3.85	10.27	102.74
13	13 PFDA	513 > 468.8	63910.375	67154.617		1.000	3.97	10.42	104.16
14	14 8:2 FTS	527 > 506.9	7779.313	7370.563		1.000	3.97	9.51	95.15
15	15 N-MeFOSAA	570.1 > 419	18462.111	15745.190		1.000	4.01	9.86	98.63
16	16 N-EtFOSAA	584.2 > 419	15010.114	15800.020		1.000	4.08	9.86	98.56
17	17 PFUnA	562.9 > 518.9	48550.723	69719.500		1.000	4.14	10.67	106.73
18	18 PFDS	598.9 > 98.7	4555.251	69719.500		1.000	4.19	9.89	98.86
19	19 PFDoA	612.9 > 318.8	5397.591	7412.790		1.000	4.30	10.87	108.71
20	20 N-MeFOSA	512.1 > 168.9	12800.502	38051.156		1.000	4.32	56.53	113.05
21	21 PFTTrDA	662.9 > 618.9	63504.129	7412.790		1.000	4.48	10.56	105.63
22	22 PFTeDA	712.9 > 668.8	43776.465	47876.828		1.000	4.66	9.99	99.89
23	23 N-EtFOSA	526.1 > 168.9	15559.740	50002.168		1.000	4.88	52.65	105.30
24	24 PFHxDA	812.8 > 768.9	67061.273	24312.605		1.000	5.03	9.51	95.06
25	25 PFOA	912.8 > 868.8	58835.016	24312.605		1.000	5.40	9.44	94.40
26	26 N-MeFOSE	616.1 > 58.9	19107.715	56598.117		1.000	5.38	54.41	108.81
27	27 N-EtFOSE	630.1 > 58.9	21743.469	56275.863		1.000	5.56	54.55	109.10
28	28 13C3-PFBA	216.1 > 171.8	15844.948	17211.354	0.906	1.000	1.45	12.70	101.63
29	29 13C3-PFPeA	266 > 221.8	29387.006	43540.539	0.284	1.000	2.71	11.89	95.10
30	30 13C3-PFBS	302 > 98.8	3434.960	43540.539	0.033	1.000	2.92	12.00	95.98
31	31 13C2-PFHxA	315 > 269.8	12918.252	43540.539	0.304	1.000	3.16	4.89	97.72

70-130

20-150

AM
8/15/17

Dataset: U:\Q4.PRO\results\170814M1\170814M1-36.qld

Last Altered: Tuesday, August 15, 2017 09:30:58 Pacific Daylight Time

Printed: Tuesday, August 15, 2017 09:31:21 Pacific Daylight Time

Name: 170814M1_36, Date: 14-Aug-2017, Time: 20:50:12, ID: ST170814M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	Trace	Area	IS Resp	RRF	Wt./Vol	RT	Conc.	%Rec
32	32 13C4-PFHpA	367.2 > 321.8	41335.320	43540.539	0.384	1.000	3.42	12.36	98.87
33	33 18O2-PFHxS	403 > 102.6	3457.672	7724.494	0.417	1.000	3.49	13.41	107.31
34	34 13C2-6:2 FTS	429.1 > 408.9	11947.646	66886.805	0.202	1.000	3.60	11.07	88.55
35	35 13C2-PFOA	414.9 > 369.7	74722.945	66886.805	1.132	1.000	3.62	12.33	98.67
36	36 13C5-PFNA	468.2 > 422.9	68611.031	79987.625	0.946	1.000	3.80	11.33	90.66
37	37 13C8-PFOA	506.1 > 77.7	8722.760	72055.430	0.119	1.000	3.81	12.67	101.37
38	38 13C8-PFOS	507 > 79.9	12327.464	11697.997	1.040	1.000	3.85	12.67	101.34
39	39 13C2-PFDA	515.1 > 469.9	67154.617	67856.094	0.971	1.000	3.97	12.74	101.94
40	40 13C2-8:2 FTS	529.1 > 508.7	7370.563	67856.094	0.140	1.000	3.97	9.68	77.43
41	41 d3-N-MeFOSAA	573.3 > 419	15745.190	72055.430	0.018	1.000	4.01	153.55	94.49
42	42 d5-N-EtFOSAA	589.3 > 419	15800.020	72055.430	0.018	1.000	4.07	150.35	92.52
43	43 13C2-PFUnA	565 > 519.8	69719.500	72055.430	1.085	1.000	4.14	11.15	89.17
44	44 13C2-PFDoA	615 > 569.7	7412.790	72055.430	0.123	1.000	4.30	10.44	83.55
45	45 d3-N-MeFOSA	515.2 > 168.9	38051.156	72055.430	0.043	1.000	4.36	152.57	101.71
46	46 13C2-PFTeDA	714.8 > 669.6	47876.828	72055.430	0.798	1.000	4.66	10.41	83.28
47	47 d5-N-ETFOSA	531.1 > 168.9	50002.168	72055.430	0.056	1.000	4.93	155.79	103.86
48	48 13C2-PFHxDA	815 > 769.7	24312.605	72055.430	0.926	1.000	5.03	4.55	91.05
49	49 d7-N-MeFOSE	623.1 > 58.9	56598.117	72055.430	0.059	1.000	5.37	165.17	110.11
50	50 d9-N-EtFOSE	639.2 > 58.8	56275.863	72055.430	0.059	1.000	5.55	164.13	109.42
51	51 13C4-PFBA	217 > 171.8	17211.354	17211.354	1.000	1.000	1.45	12.50	100.00
52	52 13C5-PFHxA	318 > 272.9	43540.539	43540.539	1.000	1.000	3.15	5.00	100.00
53	53 13C3-PFHxS	401.9 > 79.9	7724.494	7724.494	1.000	1.000	3.49	12.50	100.00
54	54 13C8-PFOA	421.3 > 376	66886.805	66886.805	1.000	1.000	3.62	12.50	100.00
55	55 13C9-PFNA	472.2 > 426.9	79987.625	79987.625	1.000	1.000	3.80	12.50	100.00
56	56 13C4-PFOS	503 > 79.9	11697.997	11697.997	1.000	1.000	3.85	12.50	100.00
57	57 13C6-PFDA	519.1 > 473.7	67856.094	67856.094	1.000	1.000	3.97	12.50	100.00
58	58 13C7-PFUnA	570.1 > 524.8	72055.430	72055.430	1.000	1.000	4.14	12.50	100.00

SD-150
↓

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170814M1.SPL
 Last Modified: Monday, August 14, 2017 17:36:46 Pacific Daylight Time
 Printed: Monday, August 14, 2017 17:36:48 Pacific Daylight Time

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File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type	
1	170814M1_1	---	IPA	IPA	1.0000	1:48	Blank
2	170814M1_2	X	ST170814M1-1 PFC CS0 17H1302	PFC CS0 17H1302	1.0000	1:1	Analyte
3	170814M1_3	---	IPA	IPA	1.0000	1:48	Blank
4	170814M1_4	X	B7H0026-MS1 Matrix Spike 1	Matrix Spike	1.0000	1:3	Analyte
5	170814M1_5	X	B7H0026-MSD1 Matrix Spike Dup 1	Matrix Spike Dup	1.0000	1:4	Analyte
6	170814M1_6	X	1700958-01 MATP03045 1	MATP03045	1.0000	1:5	Analyte
7	170814M1_7	X	1700958-02 MATP03046 1	MATP03046	1.0000	1:6	Analyte
8	170814M1_8	X	1700958-03 MATP03047 1	MATP03047	1.0000	1:7	Analyte
9	170814M1_9	X	1700958-08 MATP04059 1	MATP04059	1.0000	1:8	Analyte
10	170814M1_10	O	1700958-09 MATP04060 1	MATP04060	1.0000	1:9	Analyte
11	170814M1_11	X	1700958-10 MATP04061 1	MATP04061	1.0000	1:10	Analyte
12	170814M1_12	X	1700958-11 MATP04062 1	MATP04062	1.0000	1:11	Analyte
13	170814M1_13	X	1700958-12 MATP05078 1	MATP05078	1.0000	1:12	Analyte
14	170814M1_14	O	1700958-13 MATP05079 1	MATP05079	1.0000	1:13	Analyte
15	170814M1_15	O	1700958-15 MATP05081 1	MATP05081	1.0000	1:14	Analyte
16	170814M1_16	---	IPA	IPA	1.0000	1:48	Blank
17	170814M1_17	---	ST170814M1-2 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
18	170814M1_18	---	IPA	IPA	1.0000	1:48	Blank
19	170814M1_19	---	B7H0078-BS1 OPR 0.125	OPR	0.1250	1:15	Analyte
20	170814M1_20	---	IPA	IPA	1.0000	1:48	Blank
21	170814M1_21	---	B7H0078-BLK1 Method Blank 0.125	Method Blank	0.1250	1:16	Analyte
22	170814M1_22	---	B7H0078-MS1 Matrix Spike 0.125	Matrix Spike	0.1250	1:17	Analyte
23	170814M1_23	---	B7H0078-MSD1 Matrix Spike Dup 0.125	Matrix Spike Dup	0.1250	1:18	Analyte
24	170814M1_24	---	1700862-01RE1 WS 252 0.00025	WS 252	0.0003	1:19	Analyte
25	170814M1_25	---	1700907-04RE1 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:20	Analyte
26	170814M1_26	---	1701031-01 BANGR-03-GW-TW03-080817 0.125	BANGR-03-GW-TW03-080817	0.1250	1:21	Analyte
27	170814M1_27	---	1701031-02 BANGR-05-GW-TW05-080817 0.125	BANGR-05-GW-TW05-080817	0.1250	1:22	Analyte
28	170814M1_28	---	1701031-03 BANGR-06-GW-TW06-080917 0.125	BANGR-06-GW-TW06-080917	0.1250	1:23	Analyte
29	170814M1_29	---	1701031-04 BANGR-12-GW-TW12-080817 0.125	BANGR-12-GW-TW12-080817	0.1250	1:24	Analyte
30	170814M1_30	---	1701034-01 SB01-20170808 0.125	SB01-20170808	0.1250	1:25	Analyte
31	170814M1_31	---	1701034-02 Site1-GW-01TW03-20170808 0.125	Site1-GW-01TW03-20170808	0.1250	1:26	Analyte
32	170814M1_32	---	1701034-03 Site1-GW-01TW01-20170808 0.125	Site1-GW-01TW01-20170808	0.1250	1:27	Analyte
33	170814M1_33	---	1701034-04 Site1-GW-FD01-20170808 0.125	Site1-GW-FD01-20170808	0.1250	1:28	Analyte
34	170814M1_34	---	1701034-05 EB01-20170808 0.125	EB01-20170808	0.1250	1:29	Analyte
35	170814M1_35	---	IPA	IPA	1.0000	1:48	Blank
36	170814M1_36	---	ST170814M1-3 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
37	170814M1_37	---	IPA	IPA	1.0000	1:48	Blank
38	170814M1_38	---	1701034-06 Site1-GW-01TW02-20170808 0.125	Site1-GW-01TW02-20170808	0.1250	1:30	Analyte
39	170814M1_39	---	1701038-01 OC-PFC-MW04R-0817 0.125	OC-PFC-MW04R-0817	0.1250	1:31	Analyte
40	170814M1_40	---	1701038-02 OC-PFC-EB081017 0.125	OC-PFC-EB081017	0.1250	1:32	Analyte

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170814M1.SPL
Last Modified: Monday, August 14, 2017 17:36:46 Pacific Daylight Time
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41	170814M1_41	---	IPA	IPA	1.0000	1:48	Blank
42	170814M1_42	---	ST170814M1-4 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
43	170814M1_43	---	IPA	IPA	1.0000	1:48	Blank

Dataset: U:\Q4.PRO\results\170814M1\170814M1-36.qld

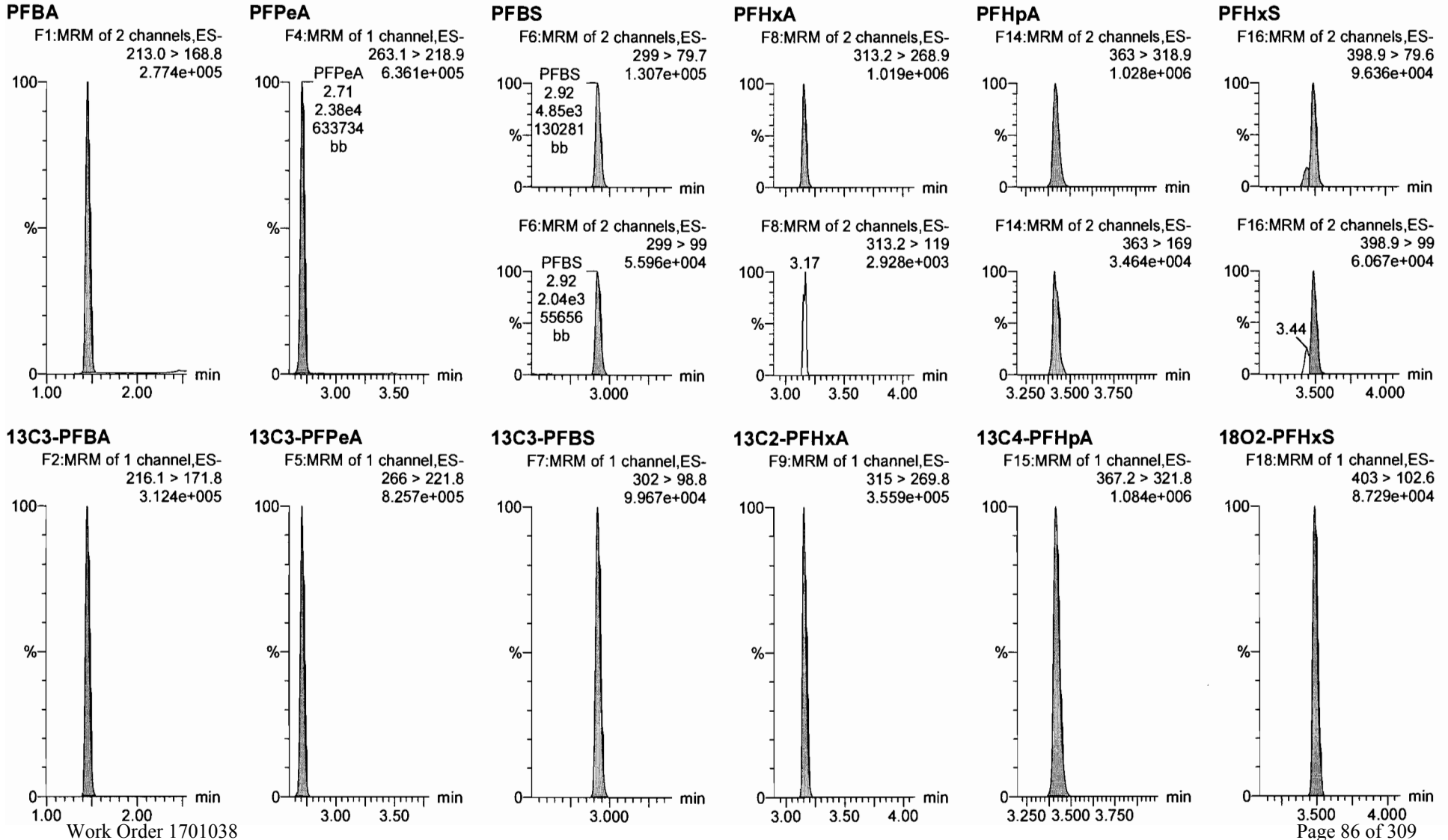
Last Altered: Tuesday, August 15, 2017 09:30:58 Pacific Daylight Time

Printed: Tuesday, August 15, 2017 09:31:07 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-14-17.mdb 14 Aug 2017 17:01:30

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

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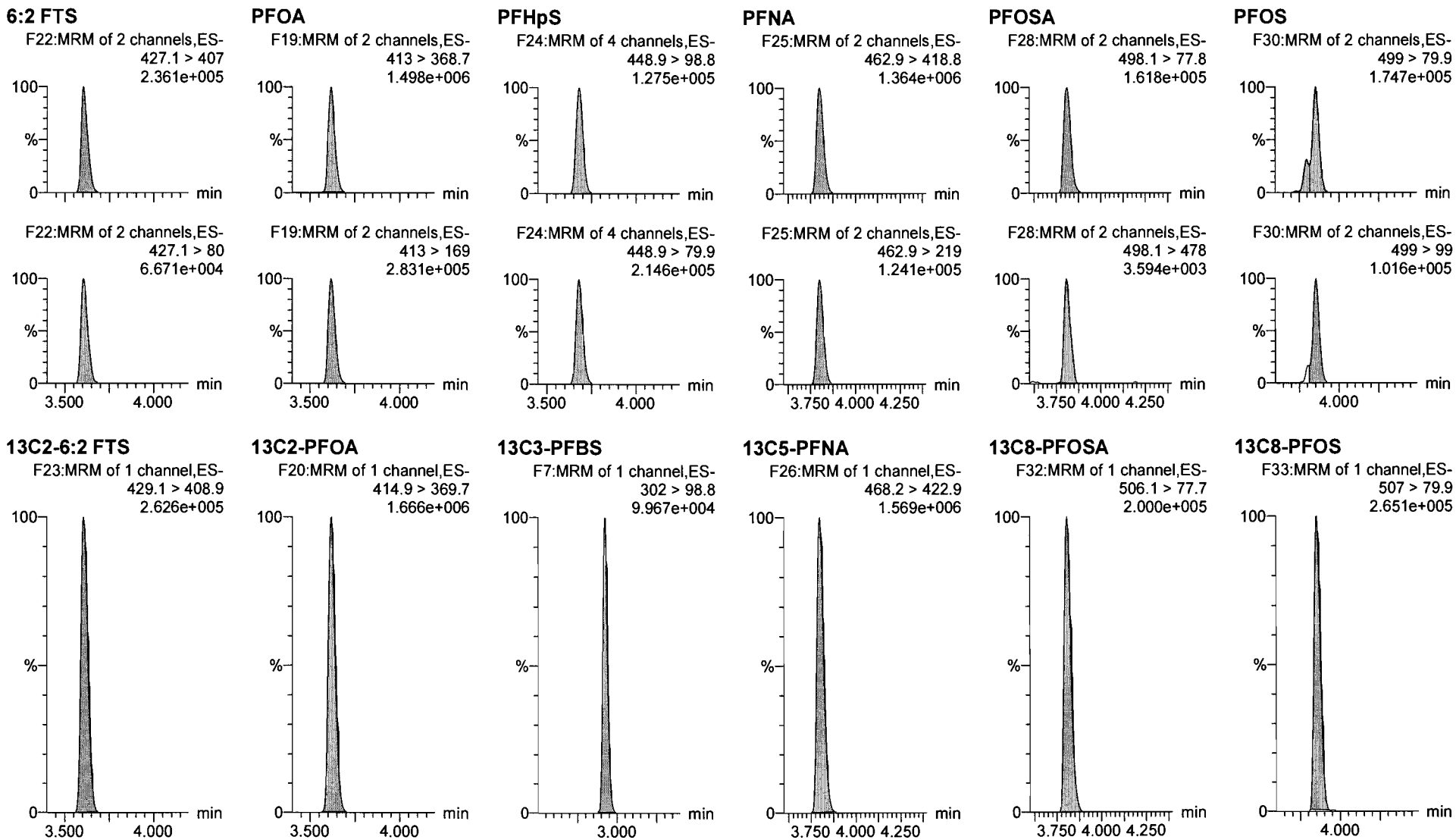


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Printed: Tuesday, August 15, 2017 09:31:07 Pacific Daylight Time

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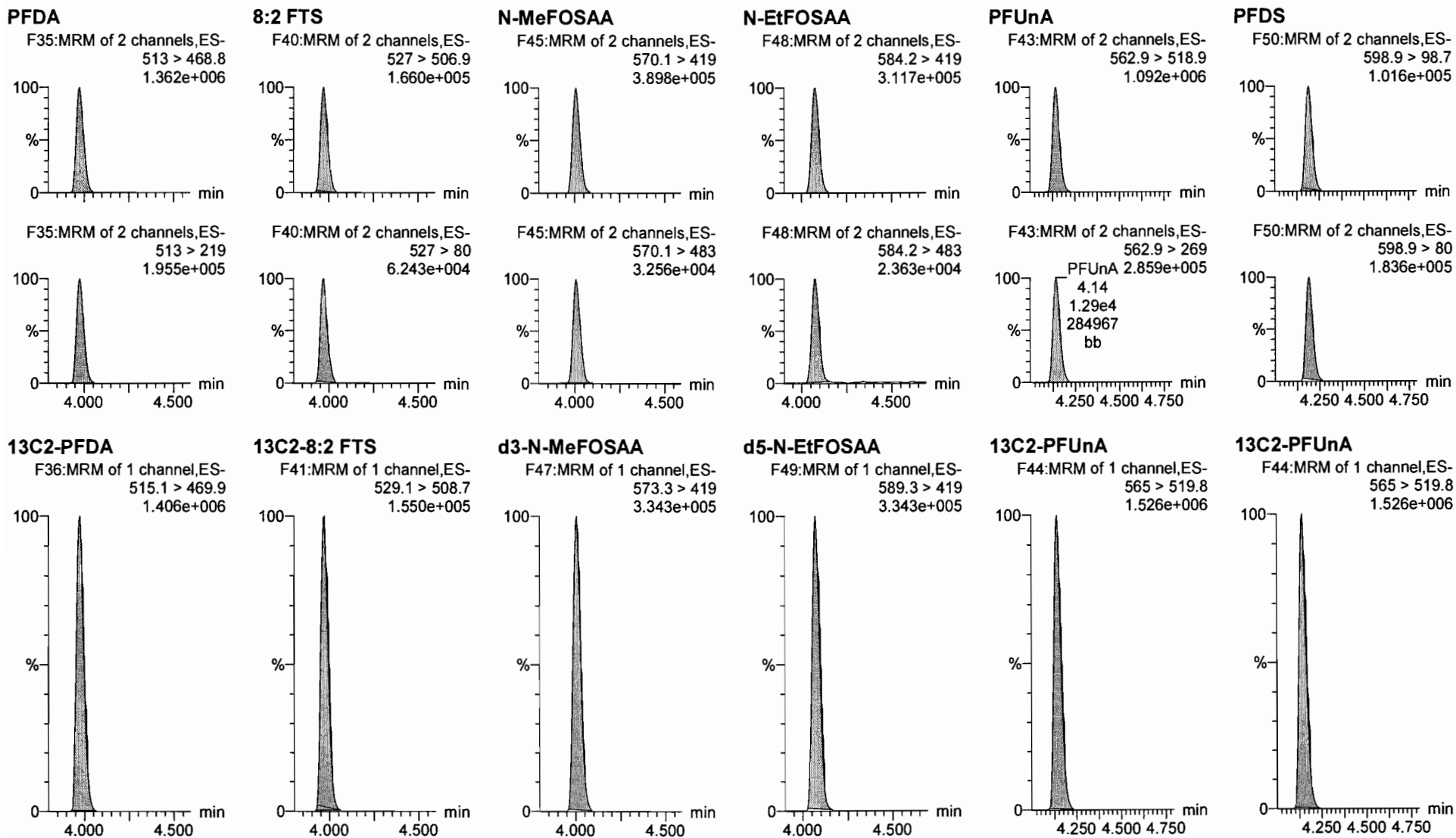


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Printed: Tuesday, August 15, 2017 09:31:07 Pacific Daylight Time

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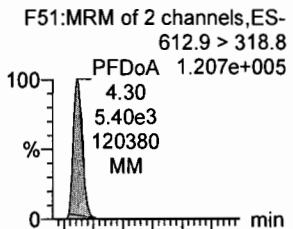
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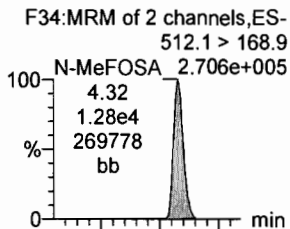
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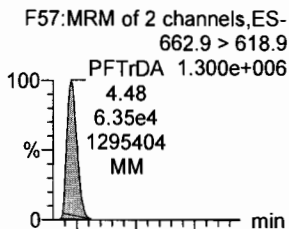
PFDoA



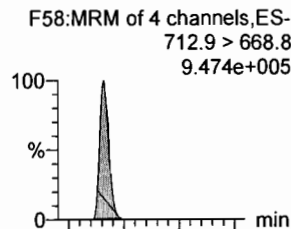
N-MeFOSA



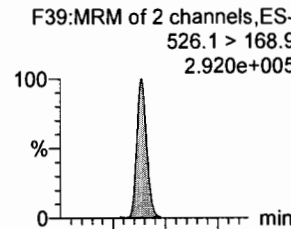
PFTrDA



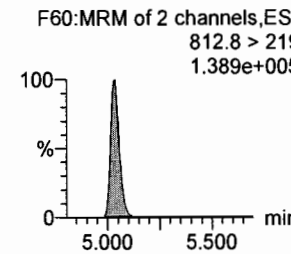
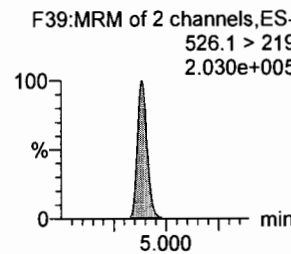
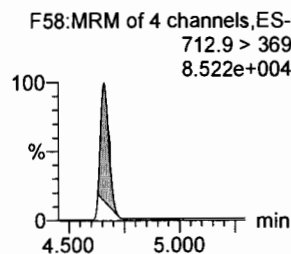
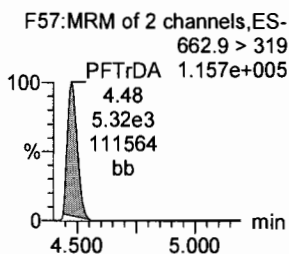
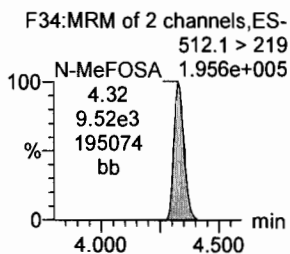
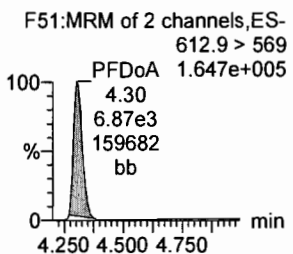
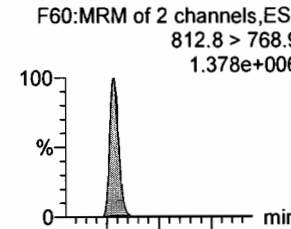
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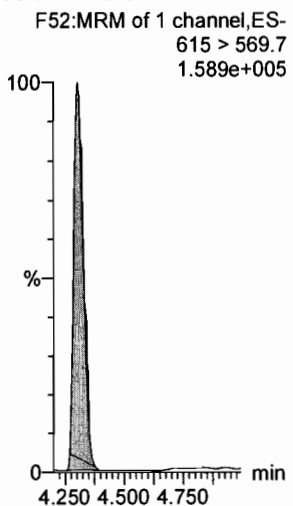
N-EtFOSA



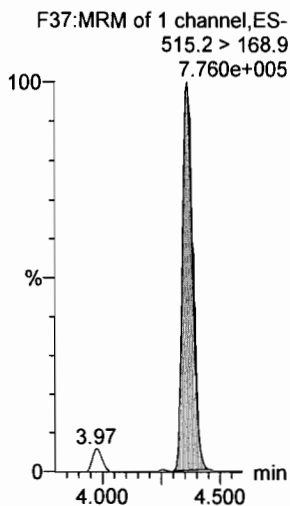
PFHxDA



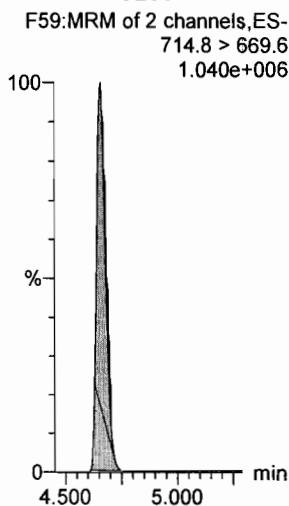
13C2-PFDoA



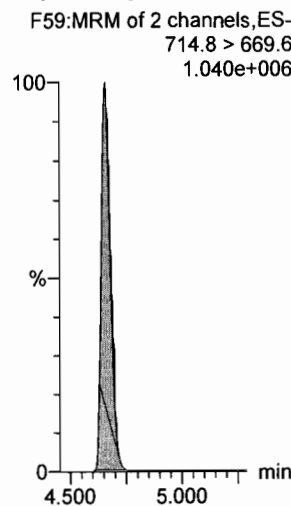
d3-N-MeFOSA



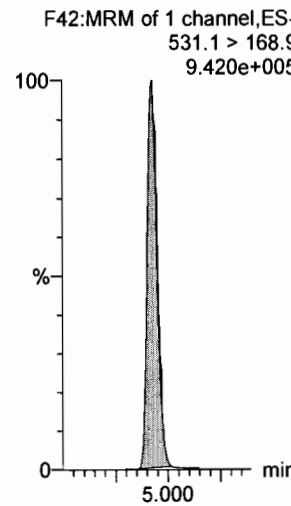
13C2-PFTeDA



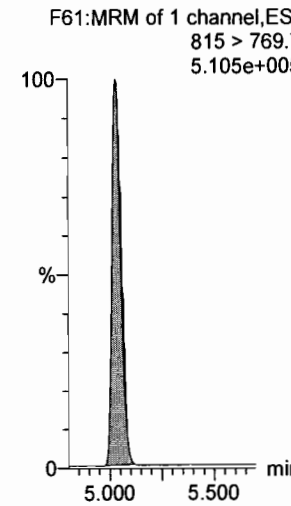
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

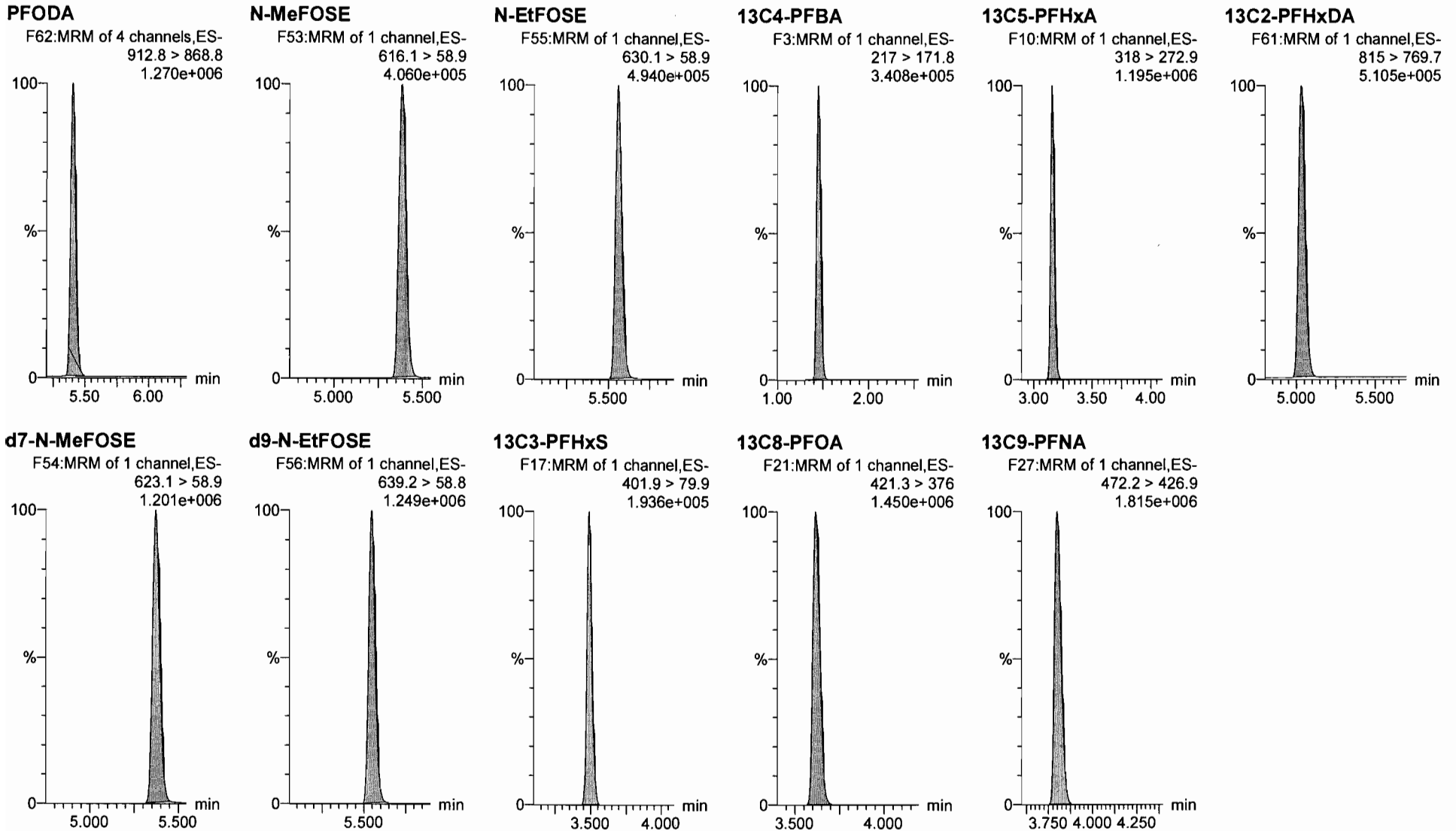


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Printed: Tuesday, August 15, 2017 09:31:07 Pacific Daylight Time

Name: 170814M1_36, Date: 14-Aug-2017, Time: 20:50:12, ID: ST170814M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301



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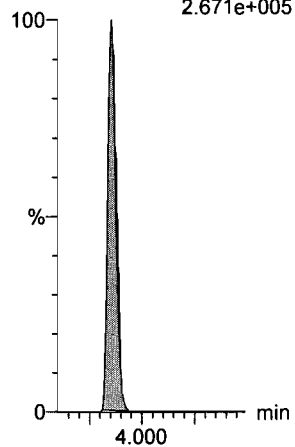
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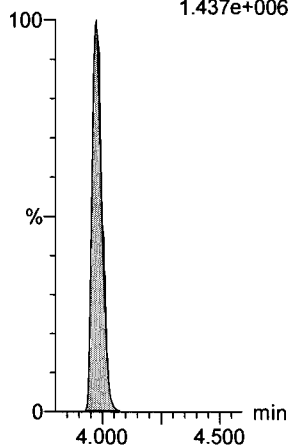
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.671e+005



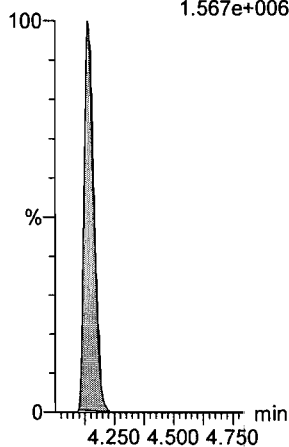
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.437e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.567e+006



Dataset: U:\Q4.PRO\results\170815M1\IIS AREA.qld

Last Altered: Wednesday, August 16, 2017 15:35:20 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 15:38:19 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS=only.mdb 11 Aug 2017 12:16:30

Calibration: 16 Aug 2017 15:24:31

Name: 170815M1_2, Date: 15-Aug-2017, Time: 13:07:55, ID: ST170815M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	4.66e4	100.0	NO
2	2 13C3-PFHxS	ST170...	1.18e4	100.0	NO
3	3 13C8-PFOA	ST170...	5.87e4	100.0	NO
4	4 13C9-PFNA	ST170...	6.58e4	100.0	NO
5	5 13C4-PFOS	ST170...	1.28e4	100.0	NO
6	6 13C6-PFDA	ST170...	5.91e4	100.0	NO
7	7 13C7-PFUnA	ST170...	6.85e4	100.0	NO

Name: 170815M1_3, Date: 15-Aug-2017, Time: 13:23:17, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA	6.70e0	0.0	NO
7	7 13C7-PFUnA	IPA			NO

Name: 170815M1_4, Date: 15-Aug-2017, Time: 13:34:04, ID: B7H0078-BS1 OPR 0.125, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	1.27e4	27.3	YES
2	2 13C3-PFHxS	B7H00...	2.14e3	18.1	YES
3	3 13C8-PFOA	B7H00...	9.78e3	16.6	YES
4	4 13C9-PFNA	B7H00...	1.27e4	19.3	YES
5	5 13C4-PFOS	B7H00...	1.96e3	15.3	YES
6	6 13C6-PFDA	B7H00...	1.09e4	18.5	YES
7	7 13C7-PFUnA	B7H00...	1.05e4	15.3	YES

Name: 170815M1_5, Date: 15-Aug-2017, Time: 13:44:42, ID: IPA, Description: IPA

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

Dataset: U:\Q4.PRO\results\170815M1\IIS AREA.qld

Last Altered: Wednesday, August 16, 2017 15:35:20 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 15:38:19 Pacific Daylight Time

Name: 170815M1_6, Date: 15-Aug-2017, Time: 13:59:37, ID: B7H0078-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	1.23e4	26.4	YES
2	2 13C3-PFHxS	B7H00...	1.77e3	15.0	YES
3	3 13C8-PFOA	B7H00...	8.78e3	15.0	YES
4	4 13C9-PFNA	B7H00...	1.06e4	16.1	YES
5	5 13C4-PFOS	B7H00...	1.65e3	12.9	YES
6	6 13C6-PFDA	B7H00...	9.66e3	16.3	YES
7	7 13C7-PFUnA	B7H00...	9.39e3	13.7	YES

Name: 170815M1_7, Date: 15-Aug-2017, Time: 14:10:12, ID: B7H0078-MS1 Matrix Spike 0.125, Description: Matrix Spike

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	1.26e4	27.0	YES
2	2 13C3-PFHxS	B7H00...	1.86e3	15.7	YES
3	3 13C8-PFOA	B7H00...	9.75e3	16.6	YES
4	4 13C9-PFNA	B7H00...	1.15e4	17.6	YES
5	5 13C4-PFOS	B7H00...	1.76e3	13.7	YES
6	6 13C6-PFDA	B7H00...	1.00e4	16.9	YES
7	7 13C7-PFUnA	B7H00...	9.42e3	13.7	YES

Name: 170815M1_8, Date: 15-Aug-2017, Time: 14:20:50, ID: B7H0078-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	1.22e4	26.2	YES
2	2 13C3-PFHxS	B7H00...	1.79e3	15.2	YES
3	3 13C8-PFOA	B7H00...	9.30e3	15.8	YES
4	4 13C9-PFNA	B7H00...	1.05e4	16.0	YES
5	5 13C4-PFOS	B7H00...	2.12e3	16.5	YES
6	6 13C6-PFDA	B7H00...	1.19e4	20.1	YES
7	7 13C7-PFUnA	B7H00...	1.11e4	16.1	YES

Name: 170815M1_9, Date: 15-Aug-2017, Time: 14:41:59, ID: 1700907-04RE1@20 AT028-MW17-06-071717-1300 0.12053, Description: AT028-MW17-06-071717-1300

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	4.80e2	1029.1	YES
2	2 13C3-PFHxS	17009...	5.43e1	459.1	YES
3	3 13C8-PFOA	17009...	3.53e2	600.9	YES
4	4 13C9-PFNA	17009...	4.36e2	662.9	YES
5	5 13C4-PFOS	17009...	5.09e1	397.6	YES
6	6 13C6-PFDA	17009...	3.39e2	573.1	YES
7	7 13C7-PFUnA	17009...	3.51e2	512.9	YES

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Name: 170815M1_10, Date: 15-Aug-2017, Time: 14:52:38, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA	6.27e0	0.0	NO
7	7 13C7-PFUnA	IPA	2.11e1	0.0	NO

Name: 170815M1_11, Date: 15-Aug-2017, Time: 15:03:16, ID: 1700862-01RE1 WS 252 0.00025, Description: WS 252

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17008...	1.15e4	24.6	YES
2	2 13C3-PFHxS	17008...	1.64e3	13.9	YES
3	3 13C8-PFOA	17008...	9.23e3	15.7	YES
4	4 13C9-PFNA	17008...	9.78e3	14.9	YES
5	5 13C4-PFOS	17008...	1.85e3	14.5	YES
6	6 13C6-PFDA	17008...	1.10e4	18.6	YES
7	7 13C7-PFUnA	17008...	1.09e4	15.9	YES

Name: 170815M1_12, Date: 15-Aug-2017, Time: 15:13:54, ID: 1700907-04RE1 AT028-MW17-06-071717-1300 0.12053, Description: AT028-MW17-06-071717-1300

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	1.03e4	22.1	YES
2	2 13C3-PFHxS	17009...	1.33e3	11.2	YES
3	3 13C8-PFOA	17009...	8.64e3	14.7	YES
4	4 13C9-PFNA	17009...	9.20e3	14.0	YES
5	5 13C4-PFOS	17009...	1.54e3	12.1	YES
6	6 13C6-PFDA	17009...	9.71e3	16.4	YES
7	7 13C7-PFUnA	17009...	1.01e4	14.8	YES

Name: 170815M1_13, Date: 15-Aug-2017, Time: 15:24:33, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	7.97e0	0.0	NO

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Name: 170815M1_14, Date: 15-Aug-2017, Time: 15:35:11, ID: 1701031-01 BANGR-03-GW-TW03-080817 0.125,
Description: BANGR-03-GW-TW03-080817

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.06e4	22.7	YES
2	2 13C3-PFHxS	17010...	1.22e3	10.3	YES
3	3 13C8-PFOA	17010...	9.19e3	15.7	YES
4	4 13C9-PFNA	17010...	1.11e4	16.8	YES
5	5 13C4-PFOS	17010...	1.65e3	12.9	YES
6	6 13C6-PFDA	17010...	1.22e4	20.6	YES
7	7 13C7-PFUnA	17010...	8.56e3	12.5	YES

Name: 170815M1_15, Date: 15-Aug-2017, Time: 15:45:50, ID: 1701031-02 BANGR-05-GW-TW05-080817 0.125,
Description: BANGR-05-GW-TW05-080817

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.21e4	26.0	YES
2	2 13C3-PFHxS	17010...	1.90e3	16.0	YES
3	3 13C8-PFOA	17010...	1.07e4	18.2	YES
4	4 13C9-PFNA	17010...	1.08e4	16.5	YES
5	5 13C4-PFOS	17010...	2.03e3	15.8	YES
6	6 13C6-PFDA	17010...	1.11e4	18.8	YES
7	7 13C7-PFUnA	17010...	1.12e4	16.4	YES

Name: 170815M1_16, Date: 15-Aug-2017, Time: 15:56:28, ID: 1701031-03 BANGR-06-GW-TW06-080917 0.125,
Description: BANGR-06-GW-TW06-080917

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.25e4	26.8	YES
2	2 13C3-PFHxS	17010...	1.87e3	15.8	YES
3	3 13C8-PFOA	17010...	1.01e4	17.2	YES
4	4 13C9-PFNA	17010...	1.20e4	18.2	YES
5	5 13C4-PFOS	17010...	2.02e3	15.8	YES
6	6 13C6-PFDA	17010...	1.02e4	17.3	YES
7	7 13C7-PFUnA	17010...	9.79e3	14.3	YES

Name: 170815M1_17, Date: 15-Aug-2017, Time: 16:07:21, ID: 1701031-04 BANGR-12-GW-TW12-080817 0.125,
Description: BANGR-12-GW-TW12-080817

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	9.69e3	20.8	YES
2	2 13C3-PFHxS	17010...	1.29e3	10.9	YES
3	3 13C8-PFOA	17010...	8.56e3	14.6	YES
4	4 13C9-PFNA	17010...	9.60e3	14.6	YES
5	5 13C4-PFOS	17010...	1.12e3	8.7	YES
6	6 13C6-PFDA	17010...	1.07e4	18.1	YES
7	7 13C7-PFUnA	17010...	1.03e4	15.0	YES

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Name: 170815M1_18, Date: 15-Aug-2017, Time: 16:18:34, ID: 1701034-01 SB01-20170808 0.125, Description: SB01-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.05e4	22.6	YES
2	2 13C3-PFHxS	17010...	1.53e3	12.9	YES
3	3 13C8-PFOA	17010...	8.52e3	14.5	YES
4	4 13C9-PFNA	17010...	1.01e4	15.4	YES
5	5 13C4-PFOS	17010...	1.45e3	11.3	YES
6	6 13C6-PFDA	17010...	8.77e3	14.8	YES
7	7 13C7-PFUnA	17010...	1.01e4	14.8	YES

Name: 170815M1_19, Date: 15-Aug-2017, Time: 16:29:12, ID: 1701034-02 Site1-GW-01TW03-20170808 0.125, Description: Site1-GW-01TW03-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.13e4	24.2	YES
2	2 13C3-PFHxS	17010...	1.66e3	14.0	YES
3	3 13C8-PFOA	17010...	9.48e3	16.1	YES
4	4 13C9-PFNA	17010...	1.07e4	16.3	YES
5	5 13C4-PFOS	17010...	1.74e3	13.6	YES
6	6 13C6-PFDA	17010...	1.17e4	19.9	YES
7	7 13C7-PFUnA	17010...	1.26e4	18.5	YES

Name: 170815M1_20, Date: 15-Aug-2017, Time: 16:39:51, ID: 1701034-03 Site1-GW-01TW01-20170808 0.125, Description: Site1-GW-01TW01-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.14e4	24.5	YES
2	2 13C3-PFHxS	17010...	1.83e3	15.5	YES
3	3 13C8-PFOA	17010...	9.64e3	16.4	YES
4	4 13C9-PFNA	17010...	9.96e3	15.2	YES
5	5 13C4-PFOS	17010...	1.84e3	14.4	YES
6	6 13C6-PFDA	17010...	9.65e3	16.3	YES
7	7 13C7-PFUnA	17010...	9.78e3	14.3	YES

Name: 170815M1_21, Date: 15-Aug-2017, Time: 16:50:29, ID: 1701034-04 Site1-GW-FD01-20170808 0.125, Description: Site1-GW-FD01-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.09e4	23.4	YES
2	2 13C3-PFHxS	17010...	1.81e3	15.3	YES
3	3 13C8-PFOA	17010...	8.45e3	14.4	YES
4	4 13C9-PFNA	17010...	1.08e4	16.4	YES
5	5 13C4-PFOS	17010...	1.69e3	13.2	YES
6	6 13C6-PFDA	17010...	9.66e3	16.4	YES
7	7 13C7-PFUnA	17010...	9.99e3	14.6	YES

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Name: 170815M1_22, Date: 15-Aug-2017, Time: 17:01:07, ID: 1701034-05 EB01-20170808 0.125, Description: EB01-20170808

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	1.00e4	21.5	YES
2	2 13C3-PFHxS	17010...	1.62e3	13.7	YES
3	3 13C8-PFOA	17010...	8.05e3	13.7	YES
4	4 13C9-PFNA	17010...	1.01e4	15.4	YES
5	5 13C4-PFOS	17010...	1.61e3	12.6	YES
6	6 13C6-PFDA	17010...	9.70e3	16.4	YES
7	7 13C7-PFUnA	17010...	1.06e4	15.5	YES

Name: 170815M1_23, Date: 15-Aug-2017, Time: 17:18:19, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.36e1	0.0	NO

Name: 170815M1_24, Date: 15-Aug-2017, Time: 17:28:57, ID: ST170815M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	5.29e4	113.6	NO
2	2 13C3-PFHxS	ST170...	1.26e4	106.6	NO
3	3 13C8-PFOA	ST170...	6.51e4	110.7	NO
4	4 13C9-PFNA	ST170...	8.24e4	125.3	NO
5	5 13C4-PFOS	ST170...	1.31e4	102.2	NO
6	6 13C6-PFDA	ST170...	7.54e4	127.6	NO
7	7 13C7-PFUnA	ST170...	7.76e4	113.3	NO

Name: 170815M1_25, Date: 15-Aug-2017, Time: 17:39:44, ID: IPA, Description: IPA

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

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Name: 170815M1_26, Date: 15-Aug-2017, Time: 17:50:22, ID: 1701034-06 Site1-GW-01TW02-20170808 0.125, Description: Site1-GW-01TW02-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.60e4	98.7	NO
2	2 13C3-PFHxS	17010...	7.58e3	64.1	NO
3	3 13C8-PFOA	17010...	3.82e4	65.0	NO
4	4 13C9-PFNA	17010...	4.50e4	68.4	NO
5	5 13C4-PFOS	17010...	7.02e3	54.8	NO
6	6 13C6-PFDA	17010...	4.68e4	79.3	NO
7	7 13C7-PFUnA	17010...	4.41e4	64.4	NO

Name: 170815M1_27, Date: 15-Aug-2017, Time: 18:01:00, ID: 1701038-01 OC-PFC-MW04R-0817 0.125, Description: OC-PFC-MW04R-0817

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.78e4	102.5	NO
2	2 13C3-PFHxS	17010...	7.87e3	66.5	NO
3	3 13C8-PFOA	17010...	4.13e4	70.3	NO
4	4 13C9-PFNA	17010...	3.87e4	58.8	NO
5	5 13C4-PFOS	17010...	7.77e3	60.7	NO
6	6 13C6-PFDA	17010...	4.38e4	74.2	NO
7	7 13C7-PFUnA	17010...	4.06e4	59.3	NO

Name: 170815M1_28, Date: 15-Aug-2017, Time: 18:11:47, ID: 1701038-02 OC-PFC-EB081017 0.125, Description: OC-PFC-EB081017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.90e4	105.1	NO
2	2 13C3-PFHxS	17010...	7.46e3	63.1	NO
3	3 13C8-PFOA	17010...	4.05e4	68.9	NO
4	4 13C9-PFNA	17010...	4.35e4	66.1	NO
5	5 13C4-PFOS	17010...	8.02e3	62.7	NO
6	6 13C6-PFDA	17010...	4.00e4	67.7	NO
7	7 13C7-PFUnA	17010...	4.33e4	63.2	NO

Name: 170815M1_29, Date: 15-Aug-2017, Time: 18:22:33, ID: B7H0035-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	6.14e4	131.7	NO
2	2 13C3-PFHxS	B7H00...	9.11e3	77.0	NO
3	3 13C8-PFOA	B7H00...	5.12e4	87.2	NO
4	4 13C9-PFNA	B7H00...	5.30e4	80.5	NO
5	5 13C4-PFOS	B7H00...	7.62e3	59.5	NO
6	6 13C6-PFDA	B7H00...	3.88e4	65.7	NO
7	7 13C7-PFUnA	B7H00...	2.05e4	30.0	YES

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Name: 170815M1_30, Date: 15-Aug-2017, Time: 18:33:20, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.35e1	0.0	NO

Name: 170815M1_31, Date: 15-Aug-2017, Time: 18:43:59, ID: B7H0035-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	6.36e4	136.5	NO
2	2 13C3-PFHxS	B7H00...	9.50e3	80.3	NO
3	3 13C8-PFOA	B7H00...	5.06e4	86.1	NO
4	4 13C9-PFNA	B7H00...	5.81e4	88.3	NO
5	5 13C4-PFOS	B7H00...	8.62e3	67.3	NO
6	6 13C6-PFDA	B7H00...	4.23e4	71.6	NO
7	7 13C7-PFUnA	B7H00...	2.66e4	38.8	YES

Name: 170815M1_32, Date: 15-Aug-2017, Time: 18:54:37, ID: B7H0035-MS1 Matrix Spike 0.11511, Description: Matrix Spike

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	5.59e4	119.8	NO
2	2 13C3-PFHxS	B7H00...	8.45e3	71.4	NO
3	3 13C8-PFOA	B7H00...	4.70e4	79.9	NO
4	4 13C9-PFNA	B7H00...	5.39e4	82.0	NO
5	5 13C4-PFOS	B7H00...	7.73e3	60.4	NO
6	6 13C6-PFDA	B7H00...	4.57e4	77.4	NO
7	7 13C7-PFUnA	B7H00...	2.89e4	42.2	YES

Name: 170815M1_33, Date: 15-Aug-2017, Time: 19:05:15, ID: B7H0035-MSD1 Matrix Spike Dup 0.11806, Description: Matrix Spike Dup

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	6.37e4	136.6	NO
2	2 13C3-PFHxS	B7H00...	9.55e3	80.7	NO
3	3 13C8-PFOA	B7H00...	5.12e4	87.2	NO
4	4 13C9-PFNA	B7H00...	6.15e4	93.5	NO
5	5 13C4-PFOS	B7H00...	8.55e3	66.8	NO
6	6 13C6-PFDA	B7H00...	5.41e4	91.6	NO
7	7 13C7-PFUnA	B7H00...	3.55e4	51.8	NO

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Name: 170815M1_34, Date: 15-Aug-2017, Time: 19:16:10, ID: 1700980-01 IR09MW61A-080217 0.10744, Description: IR09MW61A-080217

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.38e4	137.0	NO
2	2 13C3-PFHxS	17009...	9.56e3	80.8	NO
3	3 13C8-PFOA	17009...	5.30e4	90.2	NO
4	4 13C9-PFNA	17009...	5.52e4	84.0	NO
5	5 13C4-PFOS	17009...	8.47e3	66.2	NO
6	6 13C6-PFDA	17009...	5.02e4	84.9	NO
7	7 13C7-PFUnA	17009...	3.69e4	53.8	NO

Name: 170815M1_35, Date: 15-Aug-2017, Time: 19:27:30, ID: 1700980-02 IR09MW62A-080217 0.11271, Description: IR09MW62A-080217

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.86e4	147.2	NO
2	2 13C3-PFHxS	17009...	9.56e3	80.8	NO
3	3 13C8-PFOA	17009...	5.43e4	92.4	NO
4	4 13C9-PFNA	17009...	5.98e4	91.0	NO
5	5 13C4-PFOS	17009...	8.66e3	67.6	NO
6	6 13C6-PFDA	17009...	5.18e4	87.7	NO
7	7 13C7-PFUnA	17009...	3.65e4	53.3	NO

Name: 170815M1_36, Date: 15-Aug-2017, Time: 19:38:09, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA	1.14e1	0.0	YES
7	7 13C7-PFUnA	IPA			NO

Name: 170815M1_37, Date: 15-Aug-2017, Time: 19:48:46, ID: 1700980-03 IR09P040A-080217 0.11721, Description: IR09P040A-080217

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	5.54e4	118.8	NO
2	2 13C3-PFHxS	17009...	8.57e3	72.5	NO
3	3 13C8-PFOA	17009...	4.70e4	80.0	NO
4	4 13C9-PFNA	17009...	5.33e4	81.1	NO
5	5 13C4-PFOS	17009...	7.75e3	60.5	NO
6	6 13C6-PFDA	17009...	4.05e4	68.6	NO
7	7 13C7-PFUnA	17009...	2.83e4	41.3	YES

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Name: 170815M1_38, Date: 15-Aug-2017, Time: 19:59:33, ID: 1700980-04 IR10MW28A-080217 0.1175, Description: IR10MW28A-080217

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.45e4	138.3	NO
2	2 13C3-PFHxS	17009...	9.99e3	84.4	NO
3	3 13C8-PFOA	17009...	5.38e4	91.6	NO
4	4 13C9-PFNA	17009...	5.84e4	88.8	NO
5	5 13C4-PFOS	17009...	9.60e3	75.0	NO
6	6 13C6-PFDA	17009...	5.56e4	94.2	NO
7	7 13C7-PFUnA	17009...	5.09e4	74.3	NO

Name: 170815M1_39, Date: 15-Aug-2017, Time: 20:10:11, ID: 1700980-05 080217-FB-01 0.12184, Description: 080217-FB-01

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.17e4	132.4	NO
2	2 13C3-PFHxS	17009...	9.47e3	80.0	NO
3	3 13C8-PFOA	17009...	5.14e4	87.6	NO
4	4 13C9-PFNA	17009...	5.69e4	86.5	NO
5	5 13C4-PFOS	17009...	8.24e3	64.4	NO
6	6 13C6-PFDA	17009...	5.02e4	85.0	NO
7	7 13C7-PFUnA	17009...	3.43e4	50.1	NO

Name: 170815M1_40, Date: 15-Aug-2017, Time: 20:20:58, ID: 1700980-06 IR10MW13A1-080217 0.12103, Description: IR10MW13A1-080217

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	7.27e4	156.0	YES
2	2 13C3-PFHxS	17009...	1.04e4	88.1	NO
3	3 13C8-PFOA	17009...	5.83e4	99.3	NO
4	4 13C9-PFNA	17009...	5.78e4	87.9	NO
5	5 13C4-PFOS	17009...	9.31e3	72.7	NO
6	6 13C6-PFDA	17009...	4.88e4	82.6	NO
7	7 13C7-PFUnA	17009...	4.21e4	61.4	NO

Name: 170815M1_41, Date: 15-Aug-2017, Time: 20:31:46, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.99e1	0.0	NO

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Name: 170815M1_42, Date: 15-Aug-2017, Time: 20:42:31, ID: ST170815M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	5.71e4	122.4	NO
2	2 13C3-PFHxS	ST170...	1.32e4	112.0	NO
3	3 13C8-PFOA	ST170...	7.80e4	132.7	NO
4	4 13C9-PFNA	ST170...	8.00e4	121.6	NO
5	5 13C4-PFOS	ST170...	1.33e4	103.6	NO
6	6 13C6-PFDA	ST170...	7.93e4	134.1	NO
7	7 13C7-PFUnA	ST170...	8.60e4	125.5	NO

Name: 170815M1_43, Date: 15-Aug-2017, Time: 20:53:17, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.79e1	0.0	NO

Name: 170815M1_44, Date: 15-Aug-2017, Time: 21:03:56, ID: 1700980-07 IR10MW31A1-080217 0.12279, Description: IR10MW31A1-080217

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.43e4	138.0	NO
2	2 13C3-PFHxS	17009...	1.01e4	85.7	NO
3	3 13C8-PFOA	17009...	5.52e4	94.0	NO
4	4 13C9-PFNA	17009...	5.70e4	86.6	NO
5	5 13C4-PFOS	17009...	8.92e3	69.7	NO
6	6 13C6-PFDA	17009...	5.04e4	85.3	NO
7	7 13C7-PFUnA	17009...	3.57e4	52.1	NO

Name: 170815M1_45, Date: 15-Aug-2017, Time: 21:14:34, ID: 1700980-08 IR10MW31A1-080217-D 0.11964, Description: IR10MW31A1-080217-D

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.61e4	141.8	NO
2	2 13C3-PFHxS	17009...	1.05e4	88.7	NO
3	3 13C8-PFOA	17009...	5.63e4	95.8	NO
4	4 13C9-PFNA	17009...	6.26e4	95.2	NO
5	5 13C4-PFOS	17009...	9.42e3	73.6	NO
6	6 13C6-PFDA	17009...	5.54e4	93.8	NO
7	7 13C7-PFUnA	17009...	4.31e4	62.9	NO

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Name: 170815M1_46, Date: 15-Aug-2017, Time: 21:25:13, ID: 1700980-09 080217-ER-01 0.11911, Description: 080217-ER-01

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	5.93e4	127.2	NO
2	2 13C3-PFHxS	17009...	9.24e3	78.1	NO
3	3 13C8-PFOA	17009...	4.66e4	79.3	NO
4	4 13C9-PFNA	17009...	4.61e4	70.1	NO
5	5 13C4-PFOS	17009...	7.99e3	62.4	NO
6	6 13C6-PFDA	17009...	4.51e4	76.3	NO
7	7 13C7-PFUnA	17009...	3.65e4	53.2	NO

Name: 170815M1_47, Date: 15-Aug-2017, Time: 21:35:59, ID: 1700980-10 080217-SB-01 0.11909, Description: 080217-SB-01

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17009...	6.02e4	129.2	NO
2	2 13C3-PFHxS	17009...	9.83e3	83.1	NO
3	3 13C8-PFOA	17009...	4.63e4	78.8	NO
4	4 13C9-PFNA	17009...	5.83e4	88.7	NO
5	5 13C4-PFOS	17009...	8.20e3	64.1	NO
6	6 13C6-PFDA	17009...	5.00e4	84.6	NO
7	7 13C7-PFUnA	17009...	4.10e4	59.8	NO

Name: 170815M1_48, Date: 15-Aug-2017, Time: 21:46:46, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	5.13e0	0.0	YES

Name: 170815M1_49, Date: 15-Aug-2017, Time: 21:57:24, ID: B7H0066-BS1 OPR 0.125, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	5.31e4	114.0	NO
2	2 13C3-PFHxS	B7H00...	9.32e3	78.8	NO
3	3 13C8-PFOA	B7H00...	4.48e4	76.2	NO
4	4 13C9-PFNA	B7H00...	5.15e4	78.3	NO
5	5 13C4-PFOS	B7H00...	1.00e4	78.1	NO
6	6 13C6-PFDA	B7H00...	4.67e4	79.1	NO
7	7 13C7-PFUnA	B7H00...	5.47e4	79.8	NO

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Name: 170815M1_50, Date: 15-Aug-2017, Time: 22:08:03, ID: B7H0069-BS1 OPR 0.25, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	6.30e4	135.1	NO
2	2 13C3-PFHxS	B7H00...	9.97e3	84.3	NO
3	3 13C8-PFOA	B7H00...	5.13e4	87.3	NO
4	4 13C9-PFNA	B7H00...	5.76e4	87.5	NO
5	5 13C4-PFOS	B7H00...	9.80e3	76.5	NO
6	6 13C6-PFDA	B7H00...	5.67e4	96.0	NO
7	7 13C7-PFUnA	B7H00...	5.74e4	83.8	NO

Name: 170815M1_51, Date: 15-Aug-2017, Time: 22:18:41, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.87e1	0.0	NO

Name: 170815M1_52, Date: 15-Aug-2017, Time: 22:29:27, ID: B7H0066-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	5.95e4	127.5	NO
2	2 13C3-PFHxS	B7H00...	1.03e4	87.4	NO
3	3 13C8-PFOA	B7H00...	4.68e4	79.6	NO
4	4 13C9-PFNA	B7H00...	5.11e4	77.7	NO
5	5 13C4-PFOS	B7H00...	9.82e3	76.7	NO
6	6 13C6-PFDA	B7H00...	5.28e4	89.4	NO
7	7 13C7-PFUnA	B7H00...	4.72e4	68.9	NO

Name: 170815M1_53, Date: 15-Aug-2017, Time: 22:40:06, ID: B7H0069-BLK1 Method Blank 0.25, Description: Method Blank

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	7.26e4	155.7	YES
2	2 13C3-PFHxS	B7H00...	1.10e4	93.3	NO
3	3 13C8-PFOA	B7H00...	6.16e4	104.8	NO
4	4 13C9-PFNA	B7H00...	7.09e4	107.8	NO
5	5 13C4-PFOS	B7H00...	1.11e4	86.6	NO
6	6 13C6-PFDA	B7H00...	5.90e4	99.9	NO
7	7 13C7-PFUnA	B7H00...	5.84e4	85.2	NO

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Name: 170815M1_54, Date: 15-Aug-2017, Time: 22:50:52, ID: B7H0066-MS1 Matrix Spike 0.11555, Description: Matrix Spike

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	6.16e4	132.1	NO
2	2 13C3-PFHxS	B7H00...	1.08e4	91.2	NO
3	3 13C8-PFOA	B7H00...	4.83e4	82.2	NO
4	4 13C9-PFNA	B7H00...	5.87e4	89.2	NO
5	5 13C4-PFOS	B7H00...	9.86e3	77.0	NO
6	6 13C6-PFDA	B7H00...	5.52e4	93.4	NO
7	7 13C7-PFUnA	B7H00...	5.81e4	84.8	NO

Name: 170815M1_55, Date: 15-Aug-2017, Time: 23:01:39, ID: B7H0066-MSD1 Matrix Spike Dup 0.11567, Description: Matrix Spike Dup

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	6.92e4	148.4	NO
2	2 13C3-PFHxS	B7H00...	1.09e4	91.8	NO
3	3 13C8-PFOA	B7H00...	5.27e4	89.7	NO
4	4 13C9-PFNA	B7H00...	6.12e4	93.0	NO
5	5 13C4-PFOS	B7H00...	1.04e4	81.3	NO
6	6 13C6-PFDA	B7H00...	5.48e4	92.8	NO
7	7 13C7-PFUnA	B7H00...	5.96e4	86.9	NO

Name: 170815M1_56, Date: 15-Aug-2017, Time: 23:12:25, ID: B7H0066-MS2 Matrix Spike 0.11836, Description: Matrix Spike

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	6.88e4	147.7	NO
2	2 13C3-PFHxS	B7H00...	1.05e4	88.6	NO
3	3 13C8-PFOA	B7H00...	5.18e4	88.2	NO
4	4 13C9-PFNA	B7H00...	5.88e4	89.3	NO
5	5 13C4-PFOS	B7H00...	1.15e4	90.1	NO
6	6 13C6-PFDA	B7H00...	5.44e4	92.0	NO
7	7 13C7-PFUnA	B7H00...	6.06e4	88.5	NO

Name: 170815M1_57, Date: 15-Aug-2017, Time: 23:23:12, ID: B7H0066-MSD2 Matrix Spike Dup 0.11729, Description: Matrix Spike Dup

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	6.17e4	132.3	NO
2	2 13C3-PFHxS	B7H00...	1.02e4	86.0	NO
3	3 13C8-PFOA	B7H00...	4.82e4	82.0	NO
4	4 13C9-PFNA	B7H00...	6.21e4	94.4	NO
5	5 13C4-PFOS	B7H00...	1.05e4	81.9	NO
6	6 13C6-PFDA	B7H00...	5.02e4	84.9	NO
7	7 13C7-PFUnA	B7H00...	5.50e4	80.3	NO

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Name: 170815M1_58, Date: 15-Aug-2017, Time: 23:33:50, ID: B7H0069-MS1 Matrix Spike 0.1193, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	7.27e4	156.0	YES
2	2 13C3-PFHxS	B7H00...	1.21e4	101.9	NO
3	3 13C8-PFOA	B7H00...	5.31e4	90.3	NO
4	4 13C9-PFNA	B7H00...	6.41e4	97.4	NO
5	5 13C4-PFOS	B7H00...	1.15e4	89.6	NO
6	6 13C6-PFDA	B7H00...	6.06e4	102.6	NO
7	7 13C7-PFUnA	B7H00...	5.78e4	84.4	NO

Name: 170815M1_59, Date: 15-Aug-2017, Time: 23:44:36, ID: B7H0069-MSD1 Matrix Spike Dup 0.11433, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	6.22e4	133.5	NO
2	2 13C3-PFHxS	B7H00...	1.06e4	89.7	NO
3	3 13C8-PFOA	B7H00...	5.36e4	91.2	NO
4	4 13C9-PFNA	B7H00...	5.52e4	83.9	NO
5	5 13C4-PFOS	B7H00...	1.02e4	80.0	NO
6	6 13C6-PFDA	B7H00...	4.26e4	72.2	NO
7	7 13C7-PFUnA	B7H00...	5.29e4	77.2	NO

Name: 170815M1_60, Date: 15-Aug-2017, Time: 23:55:15, ID: 1701011-01 06302140000900_2017 0.11617, Description: 06302140000900_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	5.69e4	122.1	NO
2	2 13C3-PFHxS	17010...	9.26e3	78.2	NO
3	3 13C8-PFOA	17010...	5.08e4	86.5	NO
4	4 13C9-PFNA	17010...	5.30e4	80.6	NO
5	5 13C4-PFOS	17010...	9.35e3	73.0	NO
6	6 13C6-PFDA	17010...	4.30e4	72.8	NO
7	7 13C7-PFUnA	17010...	4.69e4	68.4	NO

Name: 170815M1_61, Date: 16-Aug-2017, Time: 00:06:08, ID: 1701011-02 06302140002050_2017 0.11859, Description: 06302140002050_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.25e4	134.2	NO
2	2 13C3-PFHxS	17010...	1.05e4	88.5	NO
3	3 13C8-PFOA	17010...	4.85e4	82.6	NO
4	4 13C9-PFNA	17010...	5.41e4	82.3	NO
5	5 13C4-PFOS	17010...	1.01e4	78.8	NO
6	6 13C6-PFDA	17010...	5.21e4	88.1	NO
7	7 13C7-PFUnA	17010...	5.27e4	76.9	NO

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Name: 170815M1_62, Date: 16-Aug-2017, Time: 00:16:58, ID: 1701011-03 06302140002100_2017 0.11904, Description: 06302140002100_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	5.59e4	119.9	NO
2	2 13C3-PFHxS	17010...	9.64e3	81.5	NO
3	3 13C8-PFOA	17010...	4.42e4	75.3	NO
4	4 13C9-PFNA	17010...	5.41e4	82.3	NO
5	5 13C4-PFOS	17010...	9.56e3	74.7	NO
6	6 13C6-PFDA	17010...	4.92e4	83.2	NO
7	7 13C7-PFUnA	17010...	4.42e4	64.5	NO

Name: 170815M1_63, Date: 16-Aug-2017, Time: 00:28:17, ID: 1701011-04 06302810002200_2017 0.11477, Description: 06302810002200_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.00e4	128.6	NO
2	2 13C3-PFHxS	17010...	9.98e3	84.3	NO
3	3 13C8-PFOA	17010...	4.74e4	80.7	NO
4	4 13C9-PFNA	17010...	5.57e4	84.8	NO
5	5 13C4-PFOS	17010...	9.44e3	73.7	NO
6	6 13C6-PFDA	17010...	4.91e4	83.1	NO
7	7 13C7-PFUnA	17010...	5.75e4	84.0	NO

Name: 170815M1_64, Date: 16-Aug-2017, Time: 00:39:05, ID: 1701011-05 064W5000002700_2017 0.11543, Description: 064W5000002700_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.96e4	149.3	NO
2	2 13C3-PFHxS	17010...	1.17e4	98.9	NO
3	3 13C8-PFOA	17010...	6.05e4	102.9	NO
4	4 13C9-PFNA	17010...	6.73e4	102.3	NO
5	5 13C4-PFOS	17010...	1.15e4	90.1	NO
6	6 13C6-PFDA	17010...	5.90e4	99.8	NO
7	7 13C7-PFUnA	17010...	5.80e4	84.7	NO

Name: 170815M1_65, Date: 16-Aug-2017, Time: 00:49:59, ID: 1701011-06 FD-01 0.12004, Description: FD-01

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.30e4	135.1	NO
2	2 13C3-PFHxS	17010...	1.05e4	89.0	NO
3	3 13C8-PFOA	17010...	5.05e4	86.0	NO
4	4 13C9-PFNA	17010...	6.01e4	91.4	NO
5	5 13C4-PFOS	17010...	1.03e4	80.2	NO
6	6 13C6-PFDA	17010...	4.98e4	84.3	NO
7	7 13C7-PFUnA	17010...	4.71e4	68.8	NO

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Name: 170815M1_66, Date: 16-Aug-2017, Time: 01:00:43, ID: 1701011-07 FD-02 0.11727, Description: FD-02

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.11e4	131.2	NO
2	2 13C3-PFHxS	17010...	9.58e3	81.0	NO
3	3 13C8-PFOA	17010...	4.89e4	83.3	NO
4	4 13C9-PFNA	17010...	5.45e4	82.9	NO
5	5 13C4-PFOS	17010...	9.58e3	74.8	NO
6	6 13C6-PFDA	17010...	5.02e4	85.0	NO
7	7 13C7-PFUnA	17010...	5.17e4	75.5	NO

Name: 170815M1_67, Date: 16-Aug-2017, Time: 01:11:21, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA	5.78e0	0.0	NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	2.34e1	0.0	NO

Name: 170815M1_68, Date: 16-Aug-2017, Time: 01:21:59, ID: ST170815M1-4 PFC CS0 17H1504, Description: PFC CS0 17H1504

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	3.84e4	82.5	NO
2	2 13C3-PFHxS	ST170...	7.09e3	60.0	NO
3	3 13C8-PFOA	ST170...	5.72e4	97.4	NO
4	4 13C9-PFNA	ST170...	6.38e4	96.9	NO
5	5 13C4-PFOS	ST170...	1.11e4	87.0	NO
6	6 13C6-PFDA	ST170...	5.67e4	95.9	NO
7	7 13C7-PFUnA	ST170...	6.53e4	95.3	NO

Name: 170815M1_69, Date: 16-Aug-2017, Time: 01:32:46, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA	5.50e0	0.0	NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.33e1	0.0	NO

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Name: 170815M1_70, Date: 16-Aug-2017, Time: 01:43:25, ID: 1701011-08 06302130001200_2017 0.12215,
Description: 06302130001200_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.43e4	138.0	NO
2	2 13C3-PFHxS	17010...	1.03e4	86.8	NO
3	3 13C8-PFOA	17010...	5.38e4	91.5	NO
4	4 13C9-PFNA	17010...	5.97e4	90.8	NO
5	5 13C4-PFOS	17010...	1.06e4	83.2	NO
6	6 13C6-PFDA	17010...	5.08e4	86.0	NO
7	7 13C7-PFUnA	17010...	6.09e4	88.9	NO

Name: 170815M1_71, Date: 16-Aug-2017, Time: 01:54:11, ID: 1701011-09 06302130001400A_2017 0.12023,
Description: 06302130001400A_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	5.90e4	126.5	NO
2	2 13C3-PFHxS	17010...	9.52e3	80.5	NO
3	3 13C8-PFOA	17010...	4.96e4	84.5	NO
4	4 13C9-PFNA	17010...	5.03e4	76.4	NO
5	5 13C4-PFOS	17010...	9.93e3	77.6	NO
6	6 13C6-PFDA	17010...	4.79e4	81.1	NO
7	7 13C7-PFUnA	17010...	5.68e4	82.9	NO

Name: 170815M1_72, Date: 16-Aug-2017, Time: 02:04:49, ID: 1701011-10 06302810001500_B_2017 0.11695,
Description: 06302810001500_B_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.66e4	142.8	NO
2	2 13C3-PFHxS	17010...	1.02e4	85.9	NO
3	3 13C8-PFOA	17010...	5.39e4	91.8	NO
4	4 13C9-PFNA	17010...	6.19e4	94.1	NO
5	5 13C4-PFOS	17010...	1.05e4	82.1	NO
6	6 13C6-PFDA	17010...	5.40e4	91.4	NO
7	7 13C7-PFUnA	17010...	5.79e4	84.5	NO

Name: 170815M1_73, Date: 16-Aug-2017, Time: 02:15:36, ID: 1701011-11 6302840007000_2017 0.11166,
Description: 6302840007000_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.58e4	141.2	NO
2	2 13C3-PFHxS	17010...	1.08e4	91.1	NO
3	3 13C8-PFOA	17010...	5.84e4	99.5	NO
4	4 13C9-PFNA	17010...	5.73e4	87.1	NO
5	5 13C4-PFOS	17010...	1.02e4	79.7	NO
6	6 13C6-PFDA	17010...	5.25e4	88.8	NO
7	7 13C7-PFUnA	17010...	5.59e4	81.7	NO

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Name: 170815M1_74, Date: 16-Aug-2017, Time: 02:26:20, ID: 1701011-12 FD-03 0.11337, Description: FD-03

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	5.43e4	116.6	NO
2	2 13C3-PFHxS	17010...	9.22e3	77.9	NO
3	3 13C8-PFOA	17010...	4.52e4	77.0	NO
4	4 13C9-PFNA	17010...	5.01e4	76.2	NO
5	5 13C4-PFOS	17010...	9.47e3	74.0	NO
6	6 13C6-PFDA	17010...	4.35e4	73.7	NO
7	7 13C7-PFUnA	17010...	4.58e4	66.9	NO

Name: 170815M1_75, Date: 16-Aug-2017, Time: 02:37:18, ID: 1701011-13 FD-04 0.12051, Description: FD-04

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.29e4	134.9	NO
2	2 13C3-PFHxS	17010...	1.01e4	85.1	NO
3	3 13C8-PFOA	17010...	5.15e4	87.7	NO
4	4 13C9-PFNA	17010...	5.86e4	89.0	NO
5	5 13C4-PFOS	17010...	1.02e4	79.4	NO
6	6 13C6-PFDA	17010...	5.17e4	87.5	NO
7	7 13C7-PFUnA	17010...	5.58e4	81.5	NO

Name: 170815M1_76, Date: 16-Aug-2017, Time: 02:48:10, ID: 1701011-14 FD-05 0.11946, Description: FD-05

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.41e4	137.6	NO
2	2 13C3-PFHxS	17010...	1.09e4	91.9	NO
3	3 13C8-PFOA	17010...	5.33e4	90.8	NO
4	4 13C9-PFNA	17010...	6.13e4	93.2	NO
5	5 13C4-PFOS	17010...	1.01e4	78.8	NO
6	6 13C6-PFDA	17010...	6.21e4	105.2	NO
7	7 13C7-PFUnA	17010...	5.84e4	85.2	NO

Name: 170815M1_77, Date: 16-Aug-2017, Time: 02:58:57, ID: 1701011-15 06302720002300_2017 0.11523, Description: 06302720002300_2017

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.08e4	130.5	NO
2	2 13C3-PFHxS	17010...	9.78e3	82.6	NO
3	3 13C8-PFOA	17010...	4.32e4	73.6	NO
4	4 13C9-PFNA	17010...	5.14e4	78.2	NO
5	5 13C4-PFOS	17010...	8.33e3	65.0	NO
6	6 13C6-PFDA	17010...	4.67e4	79.1	NO
7	7 13C7-PFUnA	17010...	5.69e4	83.0	NO

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Name: 170815M1_78, Date: 16-Aug-2017, Time: 03:09:35, ID: 1701011-16 06302720002500_2017-C 0.10939, Description: 06302720002500_2017-C

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.25e4	134.0	NO
2	2 13C3-PFHxS	17010...	9.78e3	82.6	NO
3	3 13C8-PFOA	17010...	5.06e4	86.1	NO
4	4 13C9-PFNA	17010...	6.17e4	93.9	NO
5	5 13C4-PFOS	17010...	9.66e3	75.5	NO
6	6 13C6-PFDA	17010...	5.20e4	88.0	NO
7	7 13C7-PFUnA	17010...	5.27e4	77.0	NO

Name: 170815M1_79, Date: 16-Aug-2017, Time: 03:20:22, ID: 1701011-17 06302720002800_2017 0.11111, Description: 06302720002800_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.12e4	131.3	NO
2	2 13C3-PFHxS	17010...	9.71e3	82.0	NO
3	3 13C8-PFOA	17010...	5.01e4	85.2	NO
4	4 13C9-PFNA	17010...	5.62e4	85.4	NO
5	5 13C4-PFOS	17010...	9.37e3	73.2	NO
6	6 13C6-PFDA	17010...	5.34e4	90.3	NO
7	7 13C7-PFUnA	17010...	6.17e4	90.1	NO

Name: 170815M1_80, Date: 16-Aug-2017, Time: 03:31:00, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA	5.60e0	0.0	NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.53e1	0.0	NO

Name: 170815M1_81, Date: 16-Aug-2017, Time: 03:41:47, ID: ST170815M1-5 PFC CS3 17H1505, Description: PFC CS3 17H1505

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	3.85e4	82.6	NO
2	2 13C3-PFHxS	ST170...	6.93e3	58.6	NO
3	3 13C8-PFOA	ST170...	5.70e4	97.0	NO
4	4 13C9-PFNA	ST170...	6.92e4	105.2	NO
5	5 13C4-PFOS	ST170...	1.08e4	84.1	NO
6	6 13C6-PFDA	ST170...	5.97e4	101.1	NO
7	7 13C7-PFUnA	ST170...	6.92e4	101.0	NO

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Name: 170815M1_82, Date: 16-Aug-2017, Time: 03:52:25, ID: IPA, Description: IPA

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

Name: 170815M1_83, Date: 16-Aug-2017, Time: 04:03:03, ID: 1701011-18 06302810001500_A_2017 0.11512, Description: 06302810001500_A_2017

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.81e4	103.1	NO
2	2 13C3-PFHxS	17010...	8.06e3	68.1	NO
3	3 13C8-PFOA	17010...	4.07e4	69.3	NO
4	4 13C9-PFNA	17010...	4.54e4	69.0	NO
5	5 13C4-PFOS	17010...	8.35e3	65.2	NO
6	6 13C6-PFDA	17010...	3.90e4	66.0	NO
7	7 13C7-PFUnA	17010...	3.58e4	52.3	NO

Name: 170815M1_84, Date: 16-Aug-2017, Time: 04:13:50, ID: 1701011-19 Tr-Prk-Pub-Well-1_2017 0.11801, Description: Tr-Prk-Pub-Well-1_2017

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.28e4	134.6	NO
2	2 13C3-PFHxS	17010...	1.08e4	91.2	NO
3	3 13C8-PFOA	17010...	5.04e4	85.7	NO
4	4 13C9-PFNA	17010...	5.76e4	87.6	NO
5	5 13C4-PFOS	17010...	9.92e3	77.5	NO
6	6 13C6-PFDA	17010...	5.51e4	93.3	NO
7	7 13C7-PFUnA	17010...	5.64e4	82.3	NO

Name: 170815M1_85, Date: 16-Aug-2017, Time: 04:24:28, ID: 1701011-20 Tr-Prk-Pub-Well-2_2017 0.11847, Description: Tr-Prk-Pub-Well-2_2017

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	5.65e4	121.2	NO
2	2 13C3-PFHxS	17010...	9.35e3	79.0	NO
3	3 13C8-PFOA	17010...	4.53e4	77.2	NO
4	4 13C9-PFNA	17010...	5.50e4	83.7	NO
5	5 13C4-PFOS	17010...	9.26e3	72.3	NO
6	6 13C6-PFDA	17010...	4.12e4	69.8	NO
7	7 13C7-PFUnA	17010...	4.76e4	69.5	NO

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Name: 170815M1_86, Date: 16-Aug-2017, Time: 04:35:15, ID: 1701013-01 06302720002600_2017 0.11643, Description: 06302720002600_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.86e4	147.2	NO
2	2 13C3-PFHxS	17010...	1.10e4	93.2	NO
3	3 13C8-PFOA	17010...	5.50e4	93.6	NO
4	4 13C9-PFNA	17010...	5.91e4	89.9	NO
5	5 13C4-PFOS	17010...	1.07e4	83.4	NO
6	6 13C6-PFDA	17010...	5.79e4	98.1	NO
7	7 13C7-PFUnA	17010...	6.04e4	88.1	NO

Name: 170815M1_87, Date: 16-Aug-2017, Time: 04:46:03, ID: 1701013-02 06302720002900_2017 0.11676, Description: 06302720002900_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.42e4	137.7	NO
2	2 13C3-PFHxS	17010...	1.05e4	88.6	NO
3	3 13C8-PFOA	17010...	5.26e4	89.5	NO
4	4 13C9-PFNA	17010...	5.72e4	87.0	NO
5	5 13C4-PFOS	17010...	9.96e3	77.8	NO
6	6 13C6-PFDA	17010...	5.82e4	98.5	NO
7	7 13C7-PFUnA	17010...	5.64e4	82.4	NO

Name: 170815M1_88, Date: 16-Aug-2017, Time: 04:57:07, ID: 1701013-03 06302810000600_2017 0.12244, Description: 06302810000600_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.03e4	129.4	NO
2	2 13C3-PFHxS	17010...	1.01e4	85.5	NO
3	3 13C8-PFOA	17010...	5.07e4	86.4	NO
4	4 13C9-PFNA	17010...	5.59e4	85.0	NO
5	5 13C4-PFOS	17010...	9.58e3	74.9	NO
6	6 13C6-PFDA	17010...	4.95e4	83.8	NO
7	7 13C7-PFUnA	17010...	5.65e4	82.5	NO

Name: 170815M1_89, Date: 16-Aug-2017, Time: 05:07:45, ID: 1701013-04 064A3000000100_2017 0.1166, Description: 064A3000000100_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.69e4	100.6	NO
2	2 13C3-PFHxS	17010...	9.72e3	82.2	NO
3	3 13C8-PFOA	17010...	5.00e4	85.1	NO
4	4 13C9-PFNA	17010...	5.75e4	87.4	NO
5	5 13C4-PFOS	17010...	9.96e3	77.8	NO
6	6 13C6-PFDA	17010...	5.21e4	88.2	NO
7	7 13C7-PFUnA	17010...	5.74e4	83.8	NO

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Name: 170815M1_90, Date: 16-Aug-2017, Time: 05:18:32, ID: 1701013-05 064A3500005900_2017 0.12037, Description: 064A3500005900_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.47e4	138.7	NO
2	2 13C3-PFHxS	17010...	1.11e4	93.6	NO
3	3 13C8-PFOA	17010...	5.02e4	85.4	NO
4	4 13C9-PFNA	17010...	5.15e4	78.3	NO
5	5 13C4-PFOS	17010...	9.96e3	77.8	NO
6	6 13C6-PFDA	17010...	5.44e4	92.1	NO
7	7 13C7-PFUnA	17010...	5.66e4	82.6	NO

Name: 170815M1_91, Date: 16-Aug-2017, Time: 05:29:10, ID: 1701013-06 5673_F41_2017 0.12174, Description: 5673_F41_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.63e4	142.2	NO
2	2 13C3-PFHxS	17010...	1.06e4	89.6	NO
3	3 13C8-PFOA	17010...	5.14e4	87.4	NO
4	4 13C9-PFNA	17010...	5.84e4	88.8	NO
5	5 13C4-PFOS	17010...	1.05e4	81.7	NO
6	6 13C6-PFDA	17010...	5.38e4	91.0	NO
7	7 13C7-PFUnA	17010...	6.81e4	99.4	NO

Name: 170815M1_92, Date: 16-Aug-2017, Time: 05:39:49, ID: 1701013-07 06302140002250_2017 0.12148, Description: 06302140002250_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	5.98e4	128.4	NO
2	2 13C3-PFHxS	17010...	1.02e4	86.5	NO
3	3 13C8-PFOA	17010...	4.91e4	83.6	NO
4	4 13C9-PFNA	17010...	5.28e4	80.3	NO
5	5 13C4-PFOS	17010...	1.01e4	79.1	NO
6	6 13C6-PFDA	17010...	5.72e4	96.8	NO
7	7 13C7-PFUnA	17010...	5.52e4	80.5	NO

Name: 170815M1_93, Date: 16-Aug-2017, Time: 05:50:27, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA	9.24e0	0.0	NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA			NO

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Name: 170815M1_94, Date: 16-Aug-2017, Time: 06:01:06, ID: ST170815M1-6 PFC CS3 17H1505, Description: PFC CS3 17H1505

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	3.82e4	81.9	NO
2	2 13C3-PFHxS	ST170...	6.55e3	55.4	NO
3	3 13C8-PFOA	ST170...	5.02e4	85.4	NO
4	4 13C9-PFNA	ST170...	7.61e4	115.8	NO
5	5 13C4-PFOS	ST170...	1.10e4	86.1	NO
6	6 13C6-PFDA	ST170...	6.06e4	102.5	NO
7	7 13C7-PFUnA	ST170...	6.34e4	92.5	NO

Name: 170815M1_95, Date: 16-Aug-2017, Time: 06:11:44, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.32e1	0.0	NO

Name: 170815M1_96, Date: 16-Aug-2017, Time: 06:22:22, ID: 1701013-08 06302810001010_2017 0.1142, Description: 06302810001010_2017

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	6.82e4	146.2	NO
2	2 13C3-PFHxS	17010...	1.02e4	86.6	NO
3	3 13C8-PFOA	17010...	5.50e4	93.6	NO
4	4 13C9-PFNA	17010...	5.71e4	86.9	NO
5	5 13C4-PFOS	17010...	1.02e4	79.8	NO
6	6 13C6-PFDA	17010...	5.33e4	90.1	NO
7	7 13C7-PFUnA	17010...	5.76e4	84.0	NO

Name: 170815M1_97, Date: 16-Aug-2017, Time: 06:33:09, ID: 1701013-09 064P5000001700_2017 0.12061, Description: 064P5000001700_2017

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	5.69e4	122.0	NO
2	2 13C3-PFHxS	17010...	9.29e3	78.5	NO
3	3 13C8-PFOA	17010...	4.43e4	75.4	NO
4	4 13C9-PFNA	17010...	4.87e4	74.0	NO
5	5 13C4-PFOS	17010...	9.10e3	71.1	NO
6	6 13C6-PFDA	17010...	4.59e4	77.7	NO
7	7 13C7-PFUnA	17010...	4.98e4	72.7	NO

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Name: 170815M1_98, Date: 16-Aug-2017, Time: 06:43:47, ID: 1701013-10 064V5000000200_2017 0.11516, Description: 064V5000000200_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	5.36e4	115.0	NO
2	2 13C3-PFHxS	17010...	8.62e3	72.9	NO
3	3 13C8-PFOA	17010...	4.52e4	76.9	NO
4	4 13C9-PFNA	17010...	4.87e4	74.1	NO
5	5 13C4-PFOS	17010...	9.25e3	72.3	NO
6	6 13C6-PFDA	17010...	4.81e4	81.3	NO
7	7 13C7-PFUnA	17010...	5.61e4	81.9	NO

Name: 170815M1_99, Date: 16-Aug-2017, Time: 06:54:34, ID: 1701013-11 LabDI_2017 0.11964, Description: LabDI_2017

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	5.01e4	107.5	NO
2	2 13C3-PFHxS	17010...	8.37e3	70.8	NO
3	3 13C8-PFOA	17010...	4.27e4	72.7	NO
4	4 13C9-PFNA	17010...	4.65e4	70.7	NO
5	5 13C4-PFOS	17010...	9.10e3	71.1	NO
6	6 13C6-PFDA	17010...	4.39e4	74.4	NO
7	7 13C7-PFUnA	17010...	4.22e4	61.6	NO

Name: 170815M1_100, Date: 16-Aug-2017, Time: 07:05:12, ID: 1701022-01 Lagoon (420-124769-1) 0.24019, Description: Lagoon (420-124769-1)

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.69e4	100.7	NO
2	2 13C3-PFHxS	17010...	7.58e3	64.1	NO
3	3 13C8-PFOA	17010...	4.05e4	68.9	NO
4	4 13C9-PFNA	17010...	4.47e4	67.9	NO
5	5 13C4-PFOS	17010...	7.43e3	58.1	NO
6	6 13C6-PFDA	17010...	4.28e4	72.5	NO
7	7 13C7-PFUnA	17010...	4.56e4	66.6	NO

Name: 170815M1_101, Date: 16-Aug-2017, Time: 07:15:50, ID: 1701023-01 SB01-20170807 0.11872, Description: SB01-20170807

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.74e4	101.6	NO
2	2 13C3-PFHxS	17010...	8.24e3	69.6	NO
3	3 13C8-PFOA	17010...	3.89e4	66.2	NO
4	4 13C9-PFNA	17010...	4.54e4	69.0	NO
5	5 13C4-PFOS	17010...	7.89e3	61.6	NO
6	6 13C6-PFDA	17010...	4.26e4	72.2	NO
7	7 13C7-PFUnA	17010...	4.39e4	64.1	NO

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Name: 170815M1_102, Date: 16-Aug-2017, Time: 07:26:29, ID: 1701023-02 EB01-20170807 0.11734, Description: EB01-20170807

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.17e4	89.4	NO
2	2 13C3-PFHxS	17010...	7.09e3	59.9	NO
3	3 13C8-PFOA	17010...	3.36e4	57.2	NO
4	4 13C9-PFNA	17010...	4.23e4	64.4	NO
5	5 13C4-PFOS	17010...	7.07e3	55.2	NO
6	6 13C6-PFDA	17010...	3.69e4	62.5	NO
7	7 13C7-PFUnA	17010...	4.11e4	60.0	NO

Name: 170815M1_103, Date: 16-Aug-2017, Time: 07:37:17, ID: 1701023-03 OUA1-MW08-20170807 0.1175, Description: OUA1-MW08-20170807

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.14e4	88.8	NO
2	2 13C3-PFHxS	17010...	7.80e3	65.9	NO
3	3 13C8-PFOA	17010...	3.79e4	64.5	NO
4	4 13C9-PFNA	17010...	4.05e4	61.6	NO
5	5 13C4-PFOS	17010...	8.20e3	64.0	NO
6	6 13C6-PFDA	17010...	4.54e4	76.7	NO
7	7 13C7-PFUnA	17010...	4.29e4	62.6	NO

Name: 170815M1_104, Date: 16-Aug-2017, Time: 07:47:59, ID: 1701023-04 OUA1-HS03-20170807 0.11075, Description: OUA1-HS03-20170807

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.63e4	99.2	NO
2	2 13C3-PFHxS	17010...	7.88e3	66.6	NO
3	3 13C8-PFOA	17010...	4.00e4	68.0	NO
4	4 13C9-PFNA	17010...	4.12e4	62.6	NO
5	5 13C4-PFOS	17010...	8.05e3	62.9	NO
6	6 13C6-PFDA	17010...	4.21e4	71.3	NO
7	7 13C7-PFUnA	17010...	4.22e4	61.6	NO

Name: 170815M1_105, Date: 16-Aug-2017, Time: 07:58:42, ID: 1701023-05 EB02-20170808 0.11203, Description: EB02-20170808

	# Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17010...	4.48e4	96.2	NO
2	2 13C3-PFHxS	17010...	7.64e3	64.6	NO
3	3 13C8-PFOA	17010...	3.85e4	65.6	NO
4	4 13C9-PFNA	17010...	4.15e4	63.1	NO
5	5 13C4-PFOS	17010...	7.44e3	58.1	NO
6	6 13C6-PFDA	17010...	4.19e4	70.9	NO
7	7 13C7-PFUnA	17010...	4.06e4	59.3	NO

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Name: 170815M1_106, Date: 16-Aug-2017, Time: 08:09:21, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.93e1	0.0	NO

Name: 170815M1_107, Date: 16-Aug-2017, Time: 08:19:59, ID: ST170815M1-7 PFC CS3 17H1505, Description: PFC CS3 17H1505

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	3.89e4	83.4	NO
2	2 13C3-PFHxS	ST170...	6.82e3	57.7	NO
3	3 13C8-PFOA	ST170...	5.12e4	87.2	NO
4	4 13C9-PFNA	ST170...	6.34e4	96.4	NO
5	5 13C4-PFOS	ST170...	1.15e4	89.9	NO
6	6 13C6-PFDA	ST170...	5.96e4	100.9	NO
7	7 13C7-PFUnA	ST170...	6.47e4	94.5	NO

Name: 170815M1_108, Date: 16-Aug-2017, Time: 08:30:38, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	1.84e1	0.0	NO

Name: 170815M1_109, Date: 16-Aug-2017, Time: 08:41:27, ID: B7H0086-BLK1 Method Blank 1, Description: Method Blank

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	1.11e4	23.8	YES
2	2 13C3-PFHxS	B7H00...	2.08e3	17.6	YES
3	3 13C8-PFOA	B7H00...	9.50e3	16.2	YES
4	4 13C9-PFNA	B7H00...	9.46e3	14.4	YES
5	5 13C4-PFOS	B7H00...	2.05e3	16.0	YES
6	6 13C6-PFDA	B7H00...	1.05e4	17.8	YES
7	7 13C7-PFUnA	B7H00...	1.16e4	17.0	YES

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Name: 170815M1_110, Date: 16-Aug-2017, Time: 08:52:10, ID: B7H0086-BS1 OPR 1, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	1.13e4	24.2	YES
2	2 13C3-PFHxS	B7H00...	2.19e3	18.5	YES
3	3 13C8-PFOA	B7H00...	9.78e3	16.6	YES
4	4 13C9-PFNA	B7H00...	1.06e4	16.1	YES
5	5 13C4-PFOS	B7H00...	2.21e3	17.3	YES
6	6 13C6-PFDA	B7H00...	1.05e4	17.7	YES
7	7 13C7-PFUnA	B7H00...	1.13e4	16.5	YES

Name: 170815M1_111, Date: 16-Aug-2017, Time: 09:02:49, ID: B7H0086-BS2 OPR 1, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	9.75e3	20.9	YES
2	2 13C3-PFHxS	B7H00...	1.74e3	14.7	YES
3	3 13C8-PFOA	B7H00...	9.64e3	16.4	YES
4	4 13C9-PFNA	B7H00...	1.04e4	15.8	YES
5	5 13C4-PFOS	B7H00...	1.79e3	14.0	YES
6	6 13C6-PFDA	B7H00...	8.92e3	15.1	YES
7	7 13C7-PFUnA	B7H00...	9.19e3	13.4	YES

Name: 170815M1_112, Date: 16-Aug-2017, Time: 09:13:27, ID: B7H0086-BS3 OPR 1, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	8.24e3	17.7	YES
2	2 13C3-PFHxS	B7H00...	1.60e3	13.5	YES
3	3 13C8-PFOA	B7H00...	6.78e3	11.5	YES
4	4 13C9-PFNA	B7H00...	7.02e3	10.7	YES
5	5 13C4-PFOS	B7H00...	1.40e3	11.0	YES
6	6 13C6-PFDA	B7H00...	8.38e3	14.2	YES
7	7 13C7-PFUnA	B7H00...	7.25e3	10.6	YES

Name: 170815M1_113, Date: 16-Aug-2017, Time: 09:24:05, ID: B7H0086-BS4 OPR 1, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	7.66e3	16.4	YES
2	2 13C3-PFHxS	B7H00...	1.45e3	12.2	YES
3	3 13C8-PFOA	B7H00...	6.69e3	11.4	YES
4	4 13C9-PFNA	B7H00...	7.53e3	11.4	YES
5	5 13C4-PFOS	B7H00...	1.24e3	9.7	YES
6	6 13C6-PFDA	B7H00...	7.71e3	13.0	YES
7	7 13C7-PFUnA	B7H00...	7.01e3	10.2	YES

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Name: 170815M1_114, Date: 16-Aug-2017, Time: 09:34:44, ID: B7H0086-BS5 OPR 1, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	B7H00...	8.73e3	18.7	YES
2	2 13C3-PFHxS	B7H00...	1.57e3	13.3	YES
3	3 13C8-PFOA	B7H00...	7.65e3	13.0	YES
4	4 13C9-PFNA	B7H00...	8.53e3	13.0	YES
5	5 13C4-PFOS	B7H00...	1.61e3	12.6	YES
6	6 13C6-PFDA	B7H00...	8.75e3	14.8	YES
7	7 13C7-PFUnA	B7H00...	7.78e3	11.4	YES

Name: 170815M1_115, Date: 16-Aug-2017, Time: 09:45:22, ID: 1700813-01RE1 LOD/LOQ Full List DoD 3Q17 1, Description: LOD/LOQ Full List DoD 3Q17

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	17008...	7.40e3	15.9	YES
2	2 13C3-PFHxS	17008...	1.30e3	11.0	YES
3	3 13C8-PFOA	17008...	7.13e3	12.1	YES
4	4 13C9-PFNA	17008...	8.07e3	12.3	YES
5	5 13C4-PFOS	17008...	1.33e3	10.4	YES
6	6 13C6-PFDA	17008...	6.94e3	11.7	YES
7	7 13C7-PFUnA	17008...	6.59e3	9.6	YES

Name: 170815M1_116, Date: 16-Aug-2017, Time: 09:56:01, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	IPA			NO
2	2 13C3-PFHxS	IPA			NO
3	3 13C8-PFOA	IPA			NO
4	4 13C9-PFNA	IPA			NO
5	5 13C4-PFOS	IPA			NO
6	6 13C6-PFDA	IPA			NO
7	7 13C7-PFUnA	IPA	3.31e1	0.0	NO

Name: 170815M1_117, Date: 16-Aug-2017, Time: 10:06:42, ID: ST170815M1-8 PFC CS3 17H1505, Description: PFC CS3 17H1505

#	Name	ID	Area	%Rec	Area Out
1	1 13C5-PFHxA	ST170...	3.84e4	82.3	NO
2	2 13C3-PFHxS	ST170...	6.97e3	58.9	NO
3	3 13C8-PFOA	ST170...	5.13e4	87.3	NO
4	4 13C9-PFNA	ST170...	6.49e4	98.6	NO
5	5 13C4-PFOS	ST170...	1.14e4	89.4	NO
6	6 13C6-PFDA	ST170...	6.44e4	109.0	NO
7	7 13C7-PFUnA	ST170...	6.11e4	89.3	NO

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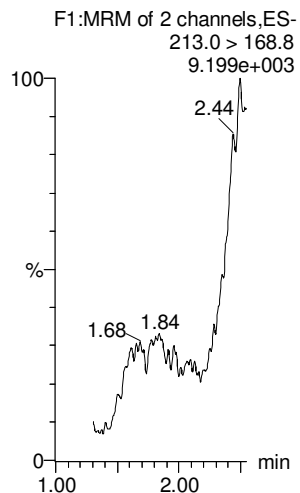
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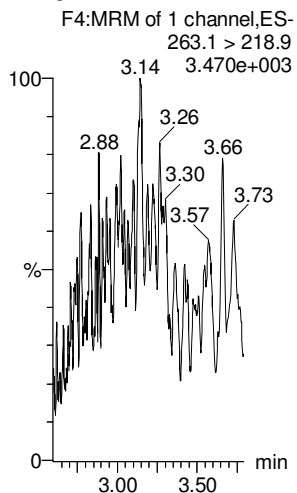
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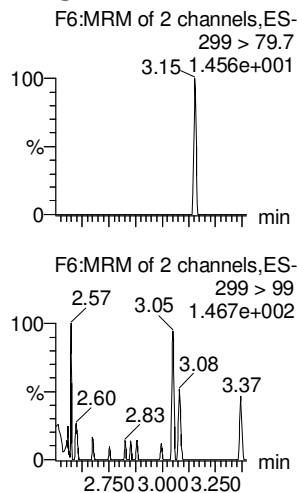
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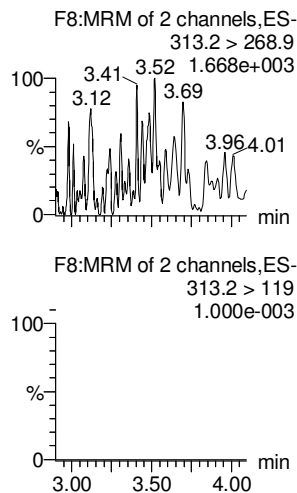
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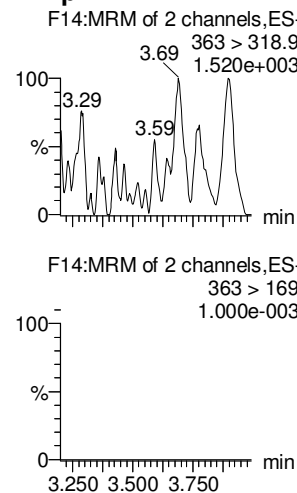
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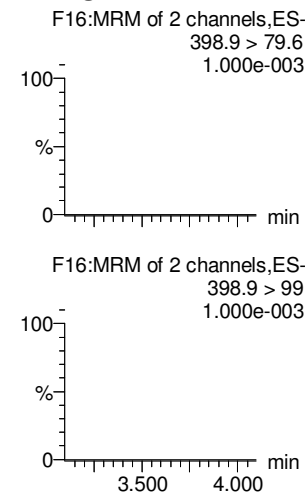
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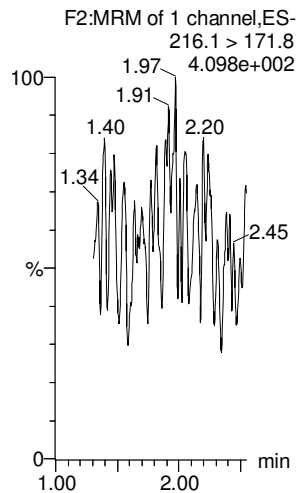
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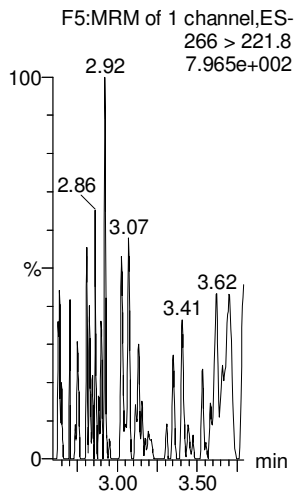
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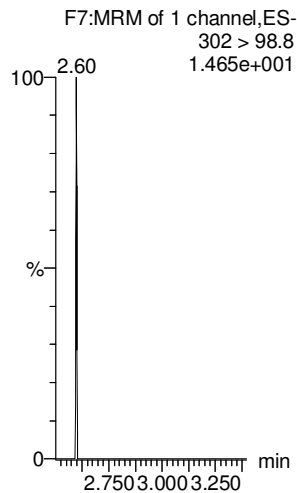
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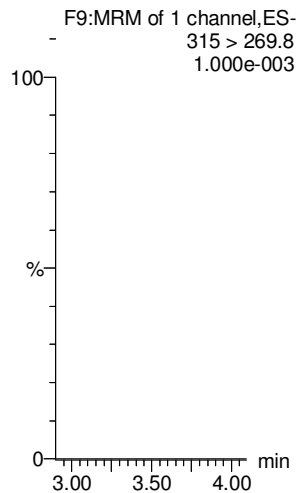
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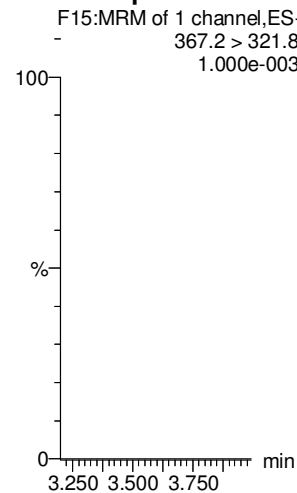
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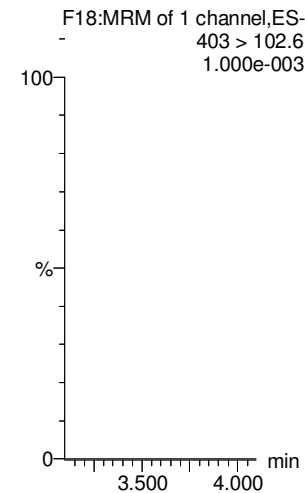
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13C4-PFHpA



18O2-PFHxS



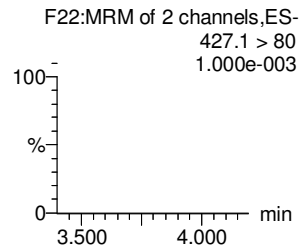
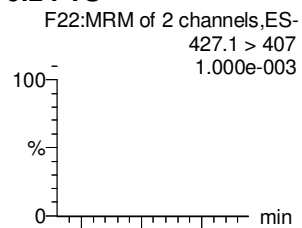
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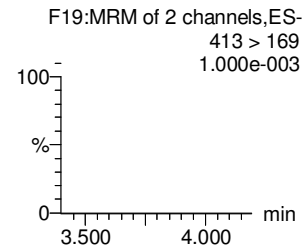
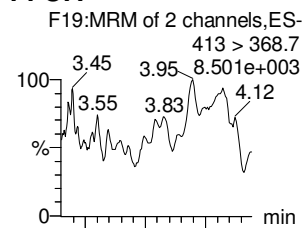
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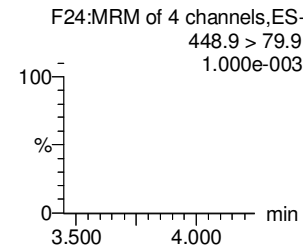
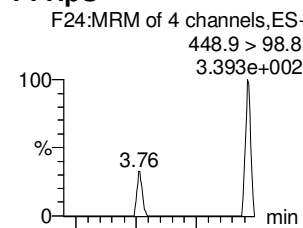
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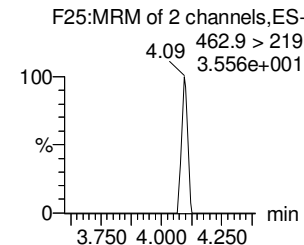
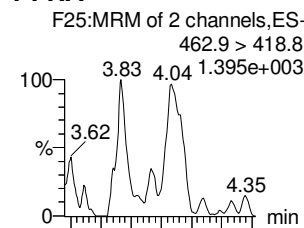
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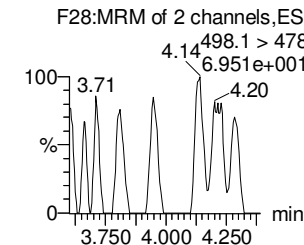
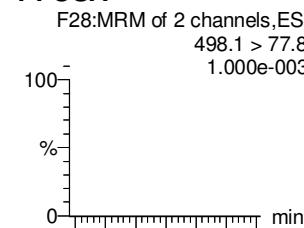
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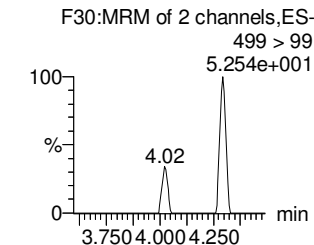
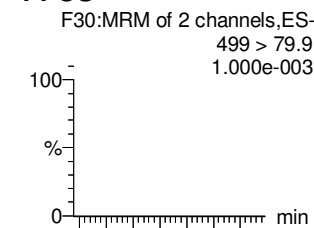
PFNA



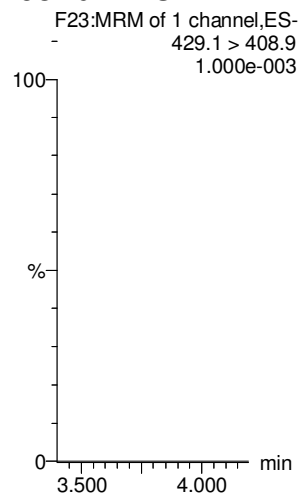
PFOSA



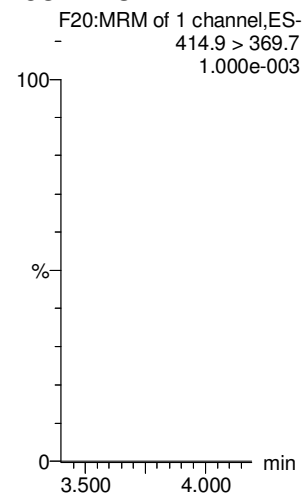
PFOS



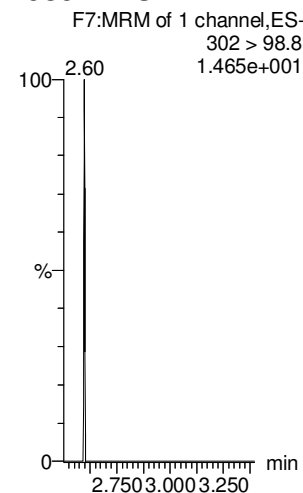
13C2-6:2 FTS



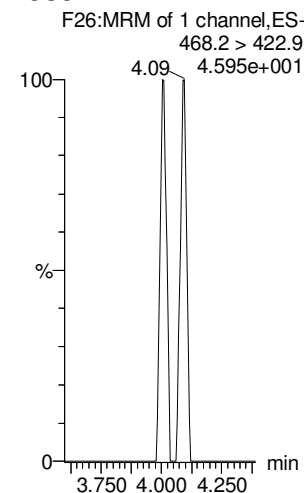
13C2-PFOA



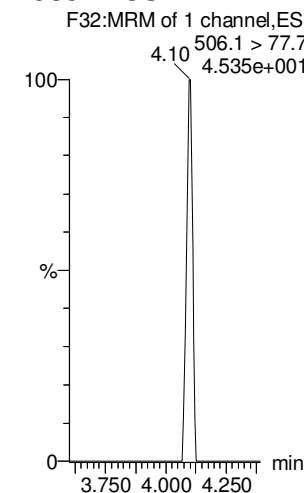
13C3-PFBS



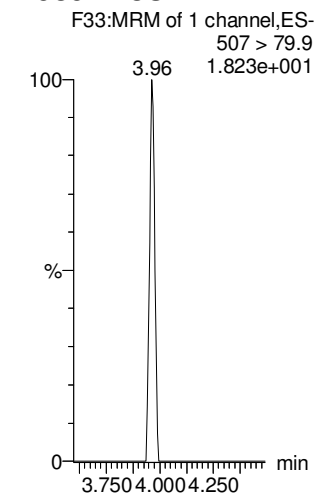
13C5-PFNA



13C8-PFOA



13C8-PFOS



Dataset: U:\Q4.PRO\results\170815M1\170815M1-3.qld

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Name: 170815M1_3, Date: 15-Aug-2017, Time: 13:23:17, ID: IPA, Description: IPA

PFDA

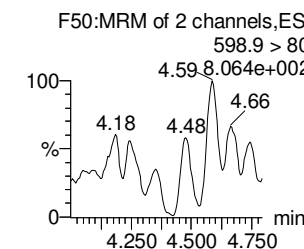
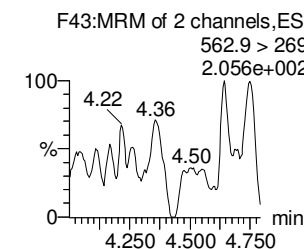
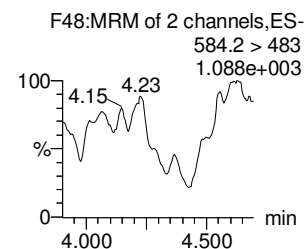
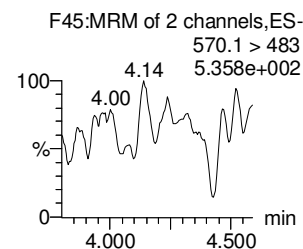
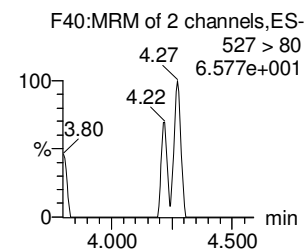
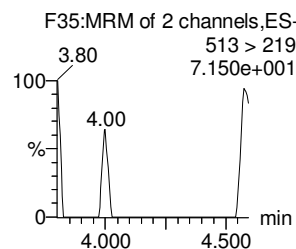
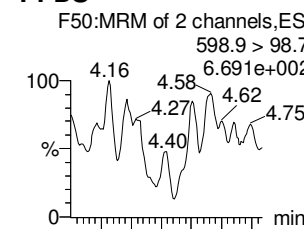
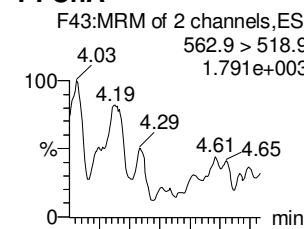
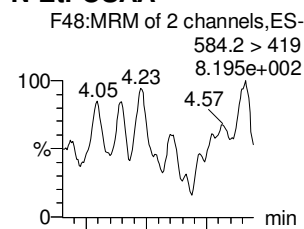
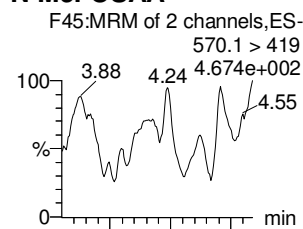
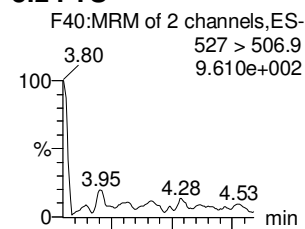
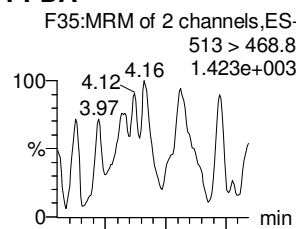
8:2 FTS

N-MeFOSAA

N-EtFOSAA

PFUnA

PFDS



13C2-PFDA

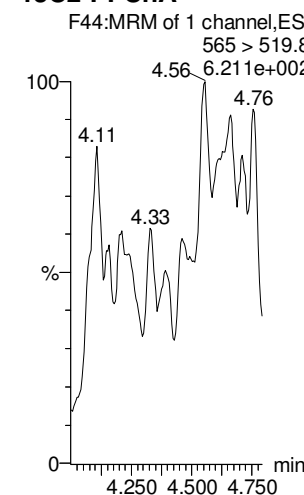
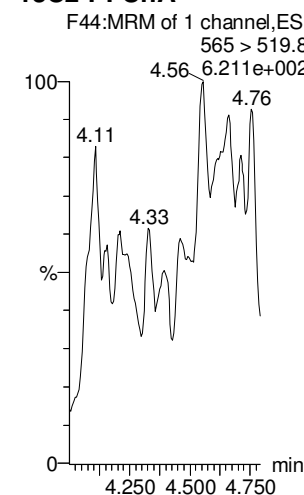
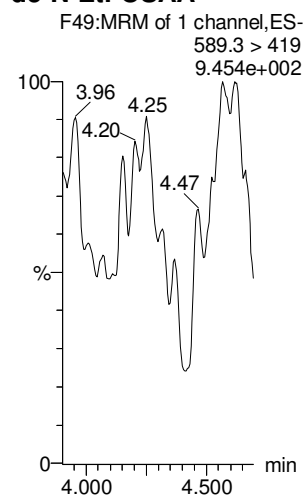
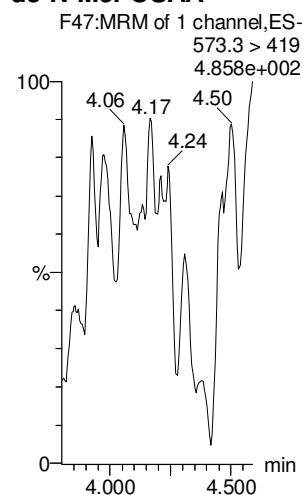
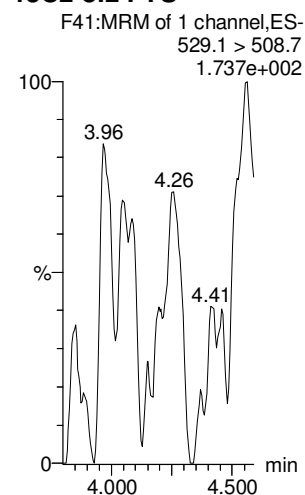
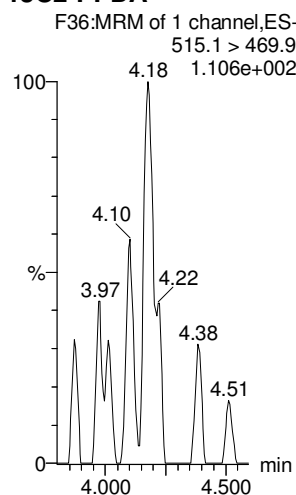
13C2-8:2 FTS

d3-N-MeFOSAA

d5-N-EtFOSAA

13C2-PFUnA

13C2-PFUnA



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Name: 170815M1_3, Date: 15-Aug-2017, Time: 13:23:17, ID: IPA, Description: IPA

PFD_oA

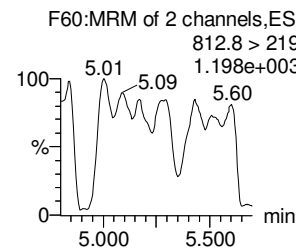
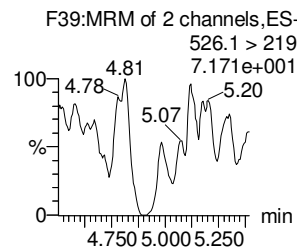
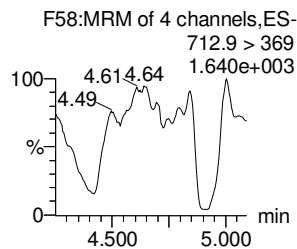
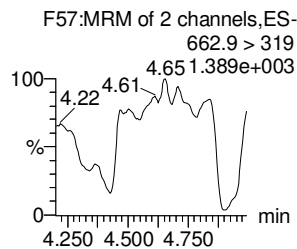
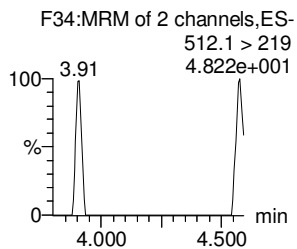
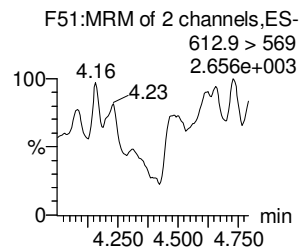
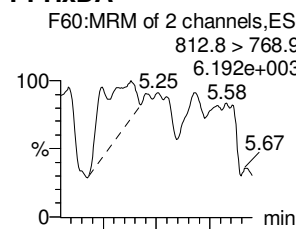
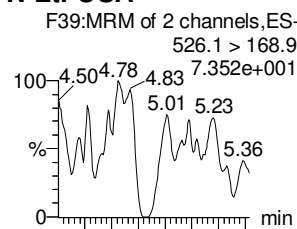
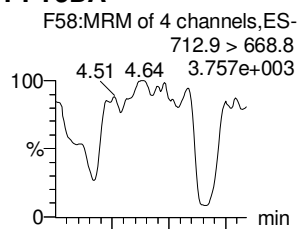
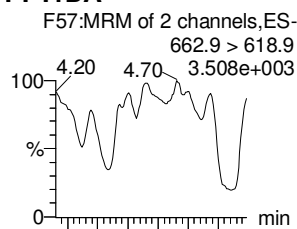
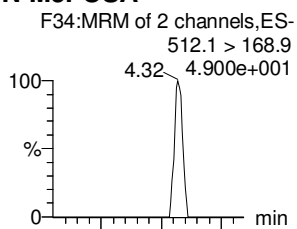
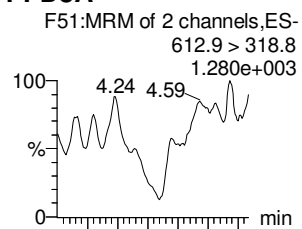
N-MeFOSA

PFT_rDA

PFT_eDA

N-EtFOSA

PFH_xDA



13C2-PFD_oA

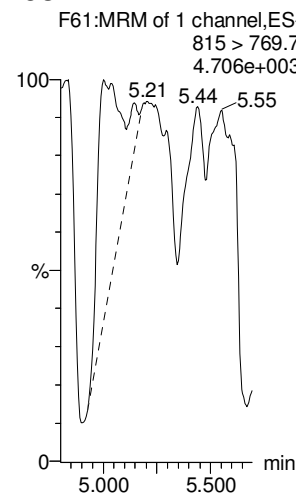
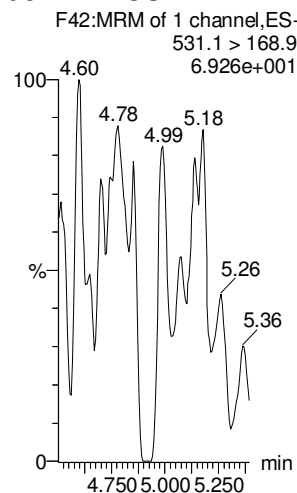
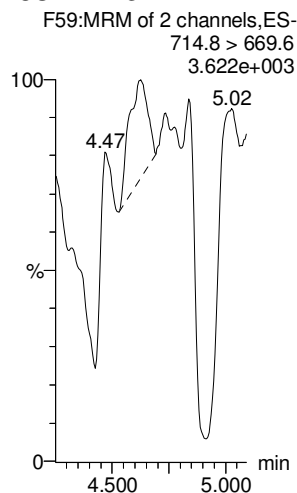
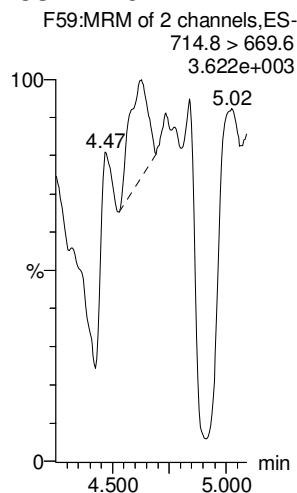
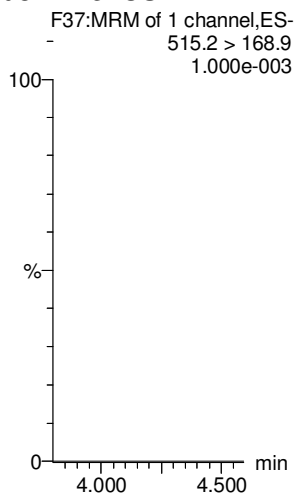
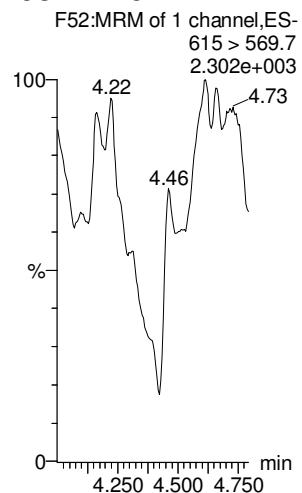
d3-N-MeFOSA

13C2-PFT_eDA

13C2-PFT_rDA

d5-N-ETFOSA

13C2-PFH_xDA



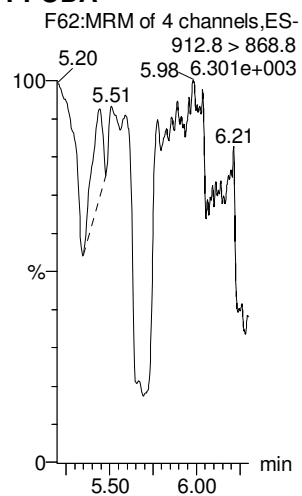
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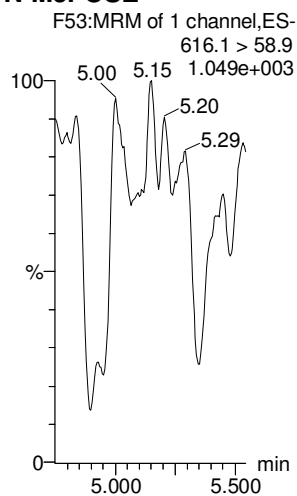
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Name: 170815M1_3, Date: 15-Aug-2017, Time: 13:23:17, ID: IPA, Description: IPA

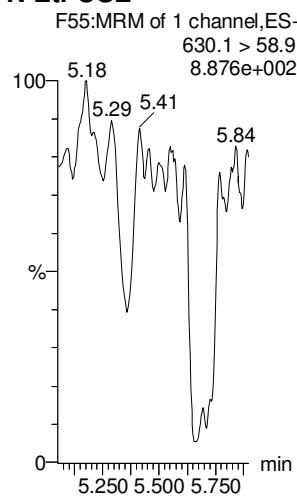
PFODA



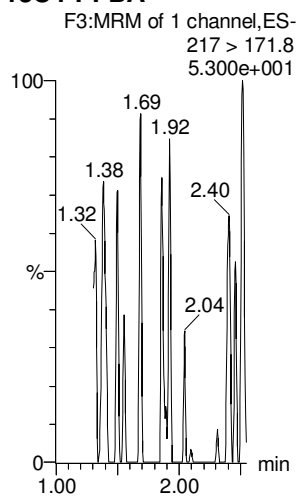
N-MeFOSE



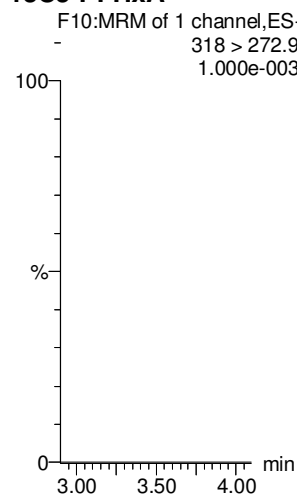
N-EtFOSE



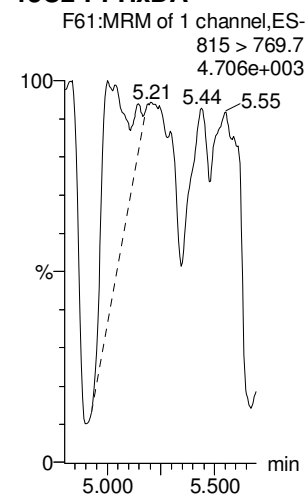
13C4-PFBA



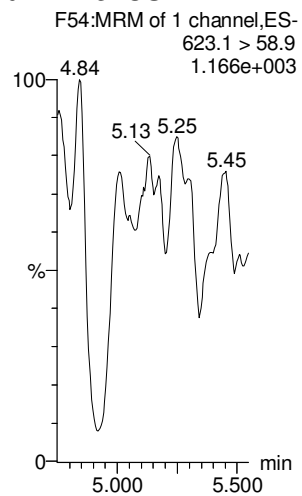
13C5-PFHxA



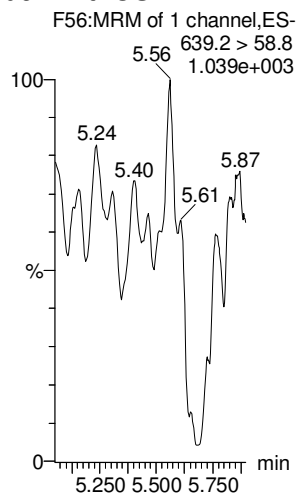
13C2-PFHxDA



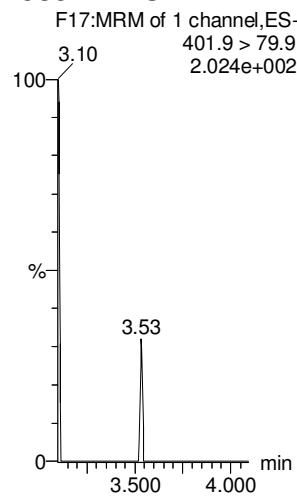
d7-N-MeFOSE



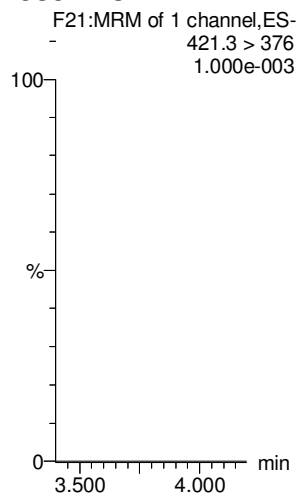
d9-N-EtFOSE



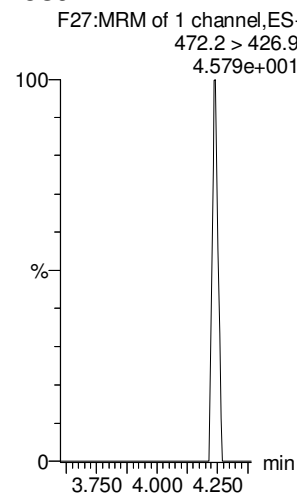
13C3-PFHxA



13C8-PFOA



13C9-PFNA



Dataset: U:\Q4.PRO\results\170815M1\170815M1-3.qld

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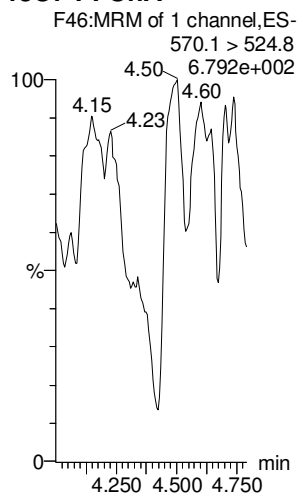
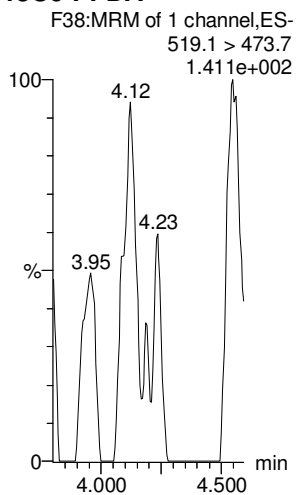
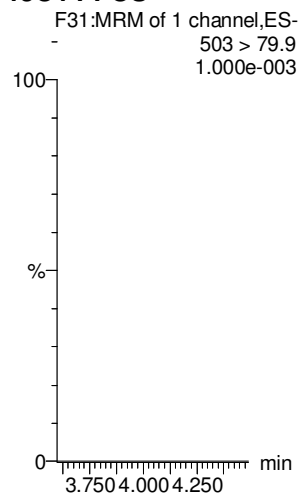
Printed: Wednesday, August 16, 2017 09:47:01 Pacific Daylight Time

Name: 170815M1_3, Date: 15-Aug-2017, Time: 13:23:17, ID: IPA, Description: IPA

13C4-PFOS

13C6-PFDA

13C7-PFUnA



Dataset: U:\Q4.PRO\results\170815M1\170815M1-2.qld

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Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-16-17.mdb 16 Aug 2017 09:43:48

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

(A) out of limit criteria.

Name: 170815M1_2, Date: 15-Aug-2017, Time: 13:07:55, ID: ST170815M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

#	Name	Trace	Area	IS Resp	RRF	Wt./Vol	RT	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1646.699	17022.521		1.000	1.43	1.05	105.24
2	2 PFPeA	263.1 > 218.9	2525.251	30514.090		1.000	2.69	0.97	97.19
3	3 PFBS	299 > 79.7	558.399	3662.750		1.000	2.91	1.01	100.72
4	4 PFHxA	313.2 > 268.9	4480.659	13893.005		1.000	3.14	0.77	77.18
5	5 PFHpA	363 > 318.9	5501.625	50060.188		1.000	3.40	0.75	75.49
6	6 PFHxS	398.9 > 79.6	745.329	4910.829		1.000	3.47	1.14	113.71
7	7 6:2 FTS	427.1 > 407	1069.135	12831.247		1.000	3.60	1.04	104.49
8	8 PFOA	413 > 368.7	6524.229	70967.344		1.000	3.60	1.02	101.76
9	9 PFHpS	448.9 > 98.8	628.800	70967.344		1.000	3.66	1.31	130.94
10	10 PFNA	462.9 > 418.8	6048.625	62839.656		1.000	3.78	0.70	70.39
11	11 PFOSA	498.1 > 77.8	791.377	8099.667		1.000	3.79	1.13	113.34
12	12 PFOS	499 > 79.9	1177.721	13350.933		1.000	3.84	1.07	106.87
13	13 PFDA	513 > 468.8	6616.505	63212.453		1.000	3.96	1.05	105.47
14	14 8:2 FTS	527 > 506.9	894.217	8467.706		1.000	3.95	0.93	93.29
15	15 N-MeFOSAA	570.1 > 419	2023.227	15622.665		1.000	3.99	1.11	110.66
16	16 N-EtFOSAA	584.2 > 419	1380.775	14250.190		1.000	4.06	0.97	96.58
17	17 PFUnA	562.9 > 518.9	4765.569	67303.445		1.000	4.12	0.98	98.29
18	18 PFDS	598.9 > 98.7	465.272	67303.445		1.000	4.17	0.92	91.62
19	19 PFDoA	612.9 > 318.8	527.476	7823.967		1.000	4.28	0.96	95.69
20	20 N-MeFOSA	512.1 > 168.9	1599.842	36234.859		1.000	4.32	6.65	133.00
21	21 PFTrDA	662.9 > 618.9	7594.234	7823.967		1.000	4.45	1.09	108.77
22	22 PFTeDA	712.9 > 668.8	5470.577	55262.918		1.000	4.63	0.99	99.23
23	23 N-EtFOSA	526.1 > 168.9	1767.426	51211.613		1.000	4.89	5.37	107.46
24	24 PFHxDA	812.8 > 768.9	7300.092	21569.508		1.000	5.00	1.04	104.32
25	25 PFODA	912.8 > 868.8	6443.370	21569.508		1.000	5.37	1.09	109.38
26	26 N-MeFOSE	616.1 > 58.9	2025.413	56909.863		1.000	5.39	4.84	96.81
27	27 N-EtFOSE	630.1 > 58.9	2350.108	56474.500		1.000	5.56	3.64	72.74
28	28 13C3-PFBA	216.1 > 171.8	17022.521	18529.873	0.906	1.000	1.43	12.68	101.42
29	29 13C3-PFPeA	266 > 221.8	30514.090	46612.586	0.284	1.000	2.69	11.53	92.24
30	30 13C3-PFBS	302 > 98.8	3662.750	46612.586	0.033	1.000	2.91	11.95	95.60
31	31 13C2-PFHxA	315 > 269.8	13893.005	46612.586	0.304	1.000	3.14	4.91	98.16
32	32 13C4-PFHpA	367.2 > 321.8	50060.188	46612.586	0.384	1.000	3.40	13.98	111.85

70-130

50-150

*DM
8/16/17*

Dataset: U:\Q4.PRO\results\170815M1\170815M1-2.qld

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Name: 170815M1_2, Date: 15-Aug-2017, Time: 13:07:55, ID: ST170815M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

#	Name	Trace	Area	IS Resp	RRF	Wt./Vol	RT	Conc.	%Rec
33	33 18O2-PFHxS	403 > 102.6	4910.829	11829.847	0.417	1.000	3.47	12.44	99.52
34	34 13C2-6:2 FTS	429.1 > 408.9	12831.247	58743.977	0.202	1.000	3.59	13.54	108.28
35	35 13C2-PFOA	414.9 > 369.7	70967.344	58743.977	1.132	1.000	3.60	13.34	106.70
36	36 13C5-PFNA	468.2 > 422.9	62839.656	65765.703	0.946	1.000	3.78	12.62	101.00
37	37 13C8-PFOA	506.1 > 77.7	8099.667	68502.117	0.119	1.000	3.79	12.38	99.01
38	38 13C8-PFOS	507 > 79.9	13350.933	12802.217	1.040	1.000	3.84	12.54	100.29
39	39 13C2-PFDA	515.1 > 469.9	63212.453	59091.094	0.971	1.000	3.96	13.77	110.19
40	40 13C2-8:2 FTS	529.1 > 508.7	8467.706	59091.094	0.140	1.000	3.95	12.77	102.15
41	41 d3-N-MeFOSAA	573.3 > 419	15622.665	68502.117	0.018	1.000	3.99	160.26	98.62
42	42 d5-N-EtFOSAA	589.3 > 419	14250.190	68502.117	0.018	1.000	4.06	142.63	87.77
43	43 13C2-PFUnA	565 > 519.8	67303.445	68502.117	1.085	1.000	4.12	11.32	90.54
44	44 13C2-PFDoA	615 > 569.7	7823.967	68502.117	0.123	1.000	4.29	11.59	92.76
45	45 d3-N-MeFOSA	515.2 > 168.9	36234.859	68502.117	0.043	1.000	4.35	152.82	101.88
46	46 13C2-PFTeDA	714.8 > 669.6	55262.918	68502.117	0.798	1.000	4.63	12.64	101.12
47	47 d5-N-ETFOSA	531.1 > 168.9	51211.613	68502.117	0.056	1.000	4.93	167.84	111.89
48	48 13C2-PFHxDA	815 > 769.7	21569.508	68502.117	0.926	1.000	5.01	4.25	84.97
49	49 d7-N-MeFOSE	623.1 > 58.9	56909.863	68502.117	0.059	1.000	5.38	174.69	116.46
50	50 d9-N-EtFOSE	639.2 > 58.8	56474.500	68502.117	0.059	1.000	5.55	173.25	115.50
51	51 13C4-PFBA	217 > 171.8	18529.873	18529.873	1.000	1.000	1.43	12.50	100.00
52	52 13C5-PFHxA	318 > 272.9	46612.586	46612.586	1.000	1.000	3.14	5.00	100.00
53	53 13C3-PFHxS	401.9 > 79.9	11829.847	11829.847	1.000	1.000	3.47	12.50	100.00
54	54 13C8-PFOA	421.3 > 376	58743.977	58743.977	1.000	1.000	3.60	12.50	100.00
55	55 13C9-PFNA	472.2 > 426.9	65765.703	65765.703	1.000	1.000	3.79	12.50	100.00
56	56 13C4-PFOS	503 > 79.9	12802.217	12802.217	1.000	1.000	3.84	12.50	100.00
57	57 13C6-PFDA	519.1 > 473.7	59091.094	59091.094	1.000	1.000	3.95	12.50	100.00
58	58 13C7-PFUnA	570.1 > 524.8	68502.117	68502.117	1.000	1.000	4.12	12.50	100.00

50-52
↓

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
 Last Modified: Tuesday, August 15, 2017 13:50:57 Pacific Daylight Time
 Printed: Tuesday, August 15, 2017 13:51:10 Pacific Daylight Time

File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
1	---	IPA	IPA	1.0000	1:48	Blank
2	X	ST170815M1-1 PFC CS0 17H1302	PFC CS0 17H1302	1.0000	1:1	Analyte
3	---	IPA	IPA	1.0000	1:48	Blank
4	-	B7H0078-BS1 OPR 0.125	OPR	0.1250	1:15	Analyte
5	---	IPA	IPA	1.0000	1:48	Blank
6	-	B7H0078-BLK1 Method Blank 0.125	Method Blank	0.1250	1:16	Analyte
7	-	B7H0078-MS1 Matrix Spike 0.125	Matrix Spike	0.1250	1:17	Analyte
8	-	B7H0078-MSD1 Matrix Spike Dup 0.125	Matrix Spike Dup	0.1250	1:18	Analyte
9	-	1700907-04RE1@20 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:33	Analyte
10	---	IPA	IPA	1.0000	1:48	Blank
11	-	1700862-01RE1 WS 252 0.00025	WS 252	0.0003	1:19	Analyte
12	-	1700907-04RE1 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:20	Analyte
13	---	IPA	IPA	1.0000	1:48	Blank
14	-	1701031-01 BANGR-03-GW-TW03-080817 0.125	BANGR-03-GW-TW03-080817	0.1250	1:21	Analyte
15	-	1701031-02 BANGR-05-GW-TW05-080817 0.125	BANGR-05-GW-TW05-080817	0.1250	1:22	Analyte
16	-	1701031-03 BANGR-06-GW-TW06-080917 0.125	BANGR-06-GW-TW06-080917	0.1250	1:23	Analyte
17	-	1701031-04 BANGR-12-GW-TW12-080817 0.125	BANGR-12-GW-TW12-080817	0.1250	1:24	Analyte
18	-	1701034-01 SB01-20170808 0.125	SB01-20170808	0.1250	1:25	Analyte
19	-	1701034-02 Site1-GW-01TW03-20170808 0.125	Site1-GW-01TW03-20170808	0.1250	1:26	Analyte
20	-	1701034-03 Site1-GW-01TW01-20170808 0.125	Site1-GW-01TW01-20170808	0.1250	1:27	Analyte
21	-	1701034-04 Site1-GW-FD01-20170808 0.125	Site1-GW-FD01-20170808	0.1250	1:28	Analyte
22	-	1701034-05 EB01-20170808 0.125	EB01-20170808	0.1250	1:29	Analyte
23	---	IPA	IPA	1.0000	1:48	Blank
24	X	ST170815M1-2 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
25	---	IPA	IPA	1.0000	1:48	Blank
26	-	1701034-06 Site1-GW-01TW02-20170808 0.125	Site1-GW-01TW02-20170808	0.1250	1:30	Analyte
27	-	1701038-01 OC-PFC-MW04R-0817 0.125	OC-PFC-MW04R-0817	0.1250	1:31	Analyte
28	-	1701038-02 OC-PFC-EB081017 0.125	OC-PFC-EB081017	0.1250	1:32	Analyte
29	---	IPA	IPA	1.0000	1:48	Blank
30	X	ST170815M1-3 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
31	---	IPA	IPA	1.0000	1:48	Blank

Ⓐ Re-injected because IIS AREA was at the 1st time. on 8/15/17
 Ⓑ Instrument paused to adjust windows. on 8/15/17
 Ⓒ Instrument paused to load sample on tray. on 8/15/17
 Ⓓ Sample 1038 added, see corrected.

on 8/15/17

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
 Last Modified: Tuesday, August 15, 2017 17:54:39 Pacific Daylight Time
 Printed: Tuesday, August 15, 2017 17:55:26 Pacific Daylight Time

File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
1 170815M1_1	---	IPA	IPA	1.0000	1:48	Blank
2 170815M1_2	X	ST170815M1-1 PFC CS0 17H1302	PFC CS0 17H1302	1.0000	1:1	Analyte
3 170815M1_3	---	IPA	IPA	1.0000	1:48	Blank
4 170815M1_4	-	B7H0078-BS1 OPR 0.125	OPR	0.1250	1:15	Analyte
5 170815M1_5	---	IPA	IPA	1.0000	1:48	Blank
6 170815M1_6	-	B7H0078-BLK1 Method Blank 0.125	Method Blank	0.1250	1:16	Analyte
7 170815M1_7	-	B7H0078-MS1 Matrix Spike 0.125	Matrix Spike	0.1250	1:17	Analyte
8 170815M1_8	-	B7H0078-MSD1 Matrix Spike Dup 0.125	Matrix Spike Dup	0.1250	1:18	Analyte
9 170815M1_9	-	1700907-04RE1@20 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:33	Analyte
10 170815M1_10	---	IPA	IPA	1.0000	1:48	Blank
11 170815M1_11	-	1700862-01RE1 WS 252 0.00025	WS 252	0.0003	1:19	Analyte
12 170815M1_12	-	1700907-04RE1 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:20	Analyte
13 170815M1_13	---	IPA	IPA	1.0000	1:48	Blank
14 170815M1_14	-	1701031-01 BANGR-03-GW-TW03-080817 0.125	BANGR-03-GW-TW03-080817	0.1250	1:21	Analyte
15 170815M1_15	-	1701031-02 BANGR-05-GW-TW05-080817 0.125	BANGR-05-GW-TW05-080817	0.1250	1:22	Analyte
16 170815M1_16	-	1701031-03 BANGR-06-GW-TW06-080917 0.125	BANGR-06-GW-TW06-080917	0.1250	1:23	Analyte
17 170815M1_17	-	1701031-04 BANGR-12-GW-TW12-080817 0.125	BANGR-12-GW-TW12-080817	0.1250	1:24	Analyte
18 170815M1_18	-	1701034-01 SB01-20170808 0.125	SB01-20170808	0.1250	1:25	Analyte
19 170815M1_19	-	1701034-02 Site1-GW-01TW03-20170808 0.125	Site1-GW-01TW03-20170808	0.1250	1:26	Analyte
20 170815M1_20	-	1701034-03 Site1-GW-01TW01-20170808 0.125	Site1-GW-01TW01-20170808	0.1250	1:27	Analyte
21 170815M1_21	-	1701034-04 Site1-GW-FD01-20170808 0.125	Site1-GW-FD01-20170808	0.1250	1:28	Analyte
22 170815M1_22	-	1701034-05 EB01-20170808 0.125	EB01-20170808	0.1250	1:29	Analyte
23 170815M1_23	---	IPA	IPA	1.0000	1:48	Blank
24 170815M1_24	X	ST170815M1-2 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
25 170815M1_25	---	IPA	IPA	1.0000	1:48	Blank
26 170815M1_26	-	1701034-06 Site1-GW-01TW02-20170808 0.125	Site1-GW-01TW02-20170808	0.1250	1:30	Analyte
27 170815M1_27	-	1701038-01 OC-PFC-MW04R-0817 0.125	OC-PFC-MW04R-0817	0.1250	1:31	Analyte
28 170815M1_28	-	1701038-02 OC-PFC-EB081017 0.125	OC-PFC-EB081017	0.1250	1:32	Analyte
29 170815M1_29	---	B7H0035-BS1 OPR 0.125	OPR	0.1250	1:33	Analyte
30 170815M1_30	---	IPA	IPA	1.0000	1:48	Blank
31 170815M1_31	---	B7H0035-BLK1 Method Blank 0.125	Method Blank	0.1250	1:34	Analyte
32 170815M1_32	---	B7H0035-MS1 Matrix Spike 0.11511	Matrix Spike	0.1151	1:35	Analyte
33 170815M1_33	---	B7H0035-MSD1 Matrix Spike Dup 0.11806	Matrix Spike Dup	0.1181	1:36	Analyte
34 170815M1_34	---	1700980-01 IR09MW61A-080217 0.10744	IR09MW61A-080217	0.1074	1:37	Analyte
35 170815M1_35	---	1700980-02 IR09MW62A-080217 0.11271	IR09MW62A-080217	0.1127	1:38	Analyte
36 170815M1_36	---	IPA	IPA	0.1127	1:39	Analyte
37 170815M1_37	---	1700980-03 IR09P040A-080217 0.11721	IR09P040A-080217	0.1172	1:40	Analyte
38 170815M1_38	---	1700980-04 IR10MW28A-080217 0.1175	IR10MW28A-080217	0.1175	1:41	Analyte
39 170815M1_39	---	1700980-05 080217-FB-01 0.12184	080217-FB-01	0.1218	1:42	Analyte
40 170815M1_40	---	1700980-06 IR10MW13A1-080217 0.12103	IR10MW13A1-080217	0.1210	1:43	Analyte

Work Order 1701288 instrument paused to load samples on 8/15/17

am 9/15/17

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
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File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type	
41	170815M1_41	---	IPA	IPA	1.0000	1:48	Blank
42	170815M1_42	X	ST170815M1-3 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
43	170815M1_43	---	IPA	IPA	1.0000	1:48	Blank
44	170815M1_44	---	1700980-07 IR10MW31A1-080217 0.12279	IR10MW31A1-080217	0.1228	1:44	Analyte
45	170815M1_45	---	1700980-08 IR10MW31A1-080217-D 0.11964	IR10MW31A1-080217-D	0.1196	1:45	Analyte
46	170815M1_46	---	1700980-09 080217-ER-01 0.11911	080217-ER-01	0.1191	1:46	Analyte
47	170815M1_47	---	1700980-10 080217-SB-01 0.11909	080217-SB-01	0.1191	1:47	Analyte
48	170815M1_48	---	IPA	IPA	0.1093	2:1	Analyte
49	170815M1_49	---	B7H0066-BS1 OPR 0.125	OPR	0.1250	2:2	Analyte
50	170815M1_50	---	B7H0069-BS1 OPR 0.25	OPR	0.2500	2:3	Analyte
51	170815M1_51	---	IPA	IPA	1.0000	1:48	Blank
52	170815M1_52	---	B7H0066-BLK1 Method Blank 0.125	Method Blank	0.1250	2:4	Analyte
53	170815M1_53	---	B7H0069-BLK1 Method Blank 0.25	Method Blank	0.2500	2:5	Analyte
54	170815M1_54	---	B7H0066-MS1 Matrix Spike 0.11555	Matrix Spike	0.1156	2:6	Analyte
55	170815M1_55	---	B7H0066-MSD1 Matrix Spike Dup 0.11567	Matrix Spike Dup	0.1157	2:7	Analyte
56	170815M1_56	---	B7H0066-MS2 Matrix Spike 0.11836	Matrix Spike	0.1184	2:8	Analyte
57	170815M1_57	---	B7H0066-MSD2 Matrix Spike Dup 0.11729	Matrix Spike Dup	0.1173	2:9	Analyte
58	170815M1_58	---	B7H0069-MS1 Matrix Spike 0.1193	Matrix Spike	0.1193	2:10	Analyte
59	170815M1_59	---	B7H0069-MSD1 Matrix Spike Dup 0.11433	Matrix Spike Dup	0.1143	2:11	Analyte
60	170815M1_60	---	1701011-01 06302140000900_2017 0.11617	06302140000900_2017	0.1162	2:12	Analyte
61	170815M1_61	---	1701011-02 06302140002050_2017 0.11859	06302140002050_2017	0.1186	2:13	Analyte
62	170815M1_62	---	1701011-03 06302140002100_2017 0.11904	06302140002100_2017	0.1190	2:14	Analyte
63	170815M1_63	---	1701011-04 06302810002200_2017 0.11477	06302810002200_2017	0.1148	2:15	Analyte
64	170815M1_64	---	1701011-05 064W5000002700_2017 0.11543	064W5000002700_2017	0.1154	2:16	Analyte
65	170815M1_65	---	1701011-06 FD-01 0.12004	FD-01	0.1200	2:17	Analyte
66	170815M1_66	---	1701011-07 FD-02 0.11727	FD-02	0.1173	2:18	Analyte
67	170815M1_67	---	IPA	IPA	1.0000	1:48	Blank
68	170815M1_68	X	ST170815M1-4 PFC CS0 17H1504	PFC CS0 17H1504	1.0000	1:3	Analyte
69	170815M1_69	---	IPA	IPA	1.0000	1:48	Blank
70	170815M1_70	---	1701011-08 06302130001200_2017 0.12215	06302130001200_2017	0.1221	2:19	Analyte
71	170815M1_71	---	1701011-09 06302130001400A_2017 0.12023	06302130001400A_2017	0.1202	2:20	Analyte
72	170815M1_72	---	1701011-10 06302810001500_B_2017 0.11695	06302810001500_B_2017	0.1170	2:21	Analyte
73	170815M1_73	---	1701011-11 6302840007000_2017 0.11166	6302840007000_2017	0.1117	2:22	Analyte
74	170815M1_74	---	1701011-12 FD-03 0.11337	FD-03	0.1134	2:23	Analyte
75	170815M1_75	---	1701011-13 FD-04 0.12051	FD-04	0.1205	2:24	Analyte
76	170815M1_76	---	1701011-14 FD-05 0.11946	FD-05	0.1195	2:25	Analyte
77	170815M1_77	---	1701011-15 06302720002300_2017 0.11523	06302720002300_2017	0.1152	2:26	Analyte
78	170815M1_78	---	1701011-16 06302720002500_2017-C 0.10939	06302720002500_2017-C	0.1094	2:27	Analyte
79	170815M1_79	---	1701011-17 06302720002800_2017 0.11111	06302720002800_2017	0.1111	2:28	Analyte
80	170815M1_80	---	IPA	IPA	1.0000	1:48	Blank

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
 Last Modified: Tuesday, August 15, 2017 17:54:39 Pacific Daylight Time
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File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
81 170815M1_81	X	ST170815M1-5 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
82 170815M1_82	---	IPA	IPA	1.0000	1:48	Blank
83 170815M1_83	---	1701011-18 06302810001500_A_2017 0.11512	06302810001500_A_2017	0.1151	2:29	Analyte
84 170815M1_84	---	1701011-19 Tr-Prk-Pub-Well-1_2017 0.11801	Tr-Prk-Pub-Well-1_2017	0.1180	2:30	Analyte
85 170815M1_85	---	1701011-20 Tr-Prk-Pub-Well-2_2017 0.11847	Tr-Prk-Pub-Well-2_2017	0.1185	2:31	Analyte
86 170815M1_86	---	1701013-01 06302720002600_2017 0.11643	06302720002600_2017	0.1164	2:32	Analyte
87 170815M1_87	---	1701013-02 06302720002900_2017 0.11676	06302720002900_2017	0.1168	2:33	Analyte
88 170815M1_88	---	1701013-03 06302810000600_2017 0.12244	06302810000600_2017	0.1224	2:34	Analyte
89 170815M1_89	---	1701013-04 064A3000000100_2017 0.1166	064A3000000100_2017	0.1166	2:35	Analyte
90 170815M1_90	---	1701013-05 064A35000005900_2017 0.12037	064A35000005900_2017	0.1204	2:36	Analyte
91 170815M1_91	---	1701013-06 5673_F41_2017 0.12174	5673_F41_2017	0.1217	2:37	Analyte
92 170815M1_92	---	1701013-07 06302140002250_2017 0.12148	06302140002250_2017	0.1215	2:38	Analyte
93 170815M1_93	---	IPA	IPA	1.0000	1:48	Blank
94 170815M1_94	X	ST170815M1-6 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
95 170815M1_95	---	IPA	IPA	1.0000	1:48	Blank
96 170815M1_96	---	1701013-08 06302810001010_2017 0.1142	06302810001010_2017	0.1142	2:39	Analyte
97 170815M1_97	---	1701013-09 064P5000001700_2017 0.12061	064P5000001700_2017	0.1206	2:40	Analyte
98 170815M1_98	---	1701013-10 064V5000000200_2017 0.11516	064V5000000200_2017	0.1152	2:41	Analyte
99 170815M1_99	---	1701013-11 LabDI_2017 0.11964	LabDI_2017	0.1196	2:42	Analyte
100 170815M1_100	---	1701022-01 Lagoon (420-124769-1) 0.24019	Lagoon (420-124769-1)	0.2402	2:43	Analyte
101 170815M1_101	---	1701023-01 SB01-20170807 0.11872	SB01-20170807	0.1187	2:44	Analyte
102 170815M1_102	---	1701023-02 EB01-20170807 0.11734	EB01-20170807	0.1173	2:45	Analyte
103 170815M1_103	---	1701023-03 OUA1-MW08-20170807 0.1175	OUA1-MW08-20170807	0.1175	2:46	Analyte
104 170815M1_104	---	1701023-04 OUA1-HS03-20170807 0.11075	OUA1-HS03-20170807	0.1108	2:47	Analyte
105 170815M1_105	---	1701023-05 EB02-20170808 0.11203	EB02-20170808	0.1120	2:48	Analyte
106 170815M1_106	---	IPA	IPA	1.0000	1:48	Blank
107 170815M1_107	X	ST170815M1-7 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
108 170815M1_108	---	IPA	IPA	1.0000	1:48	Blank
109 170815M1_109	---	B7H0086-BLK1 Method Blank 1	Method Blank	1.0000	1:5	Analyte
110 170815M1_110	---	B7H0086-BS1 OPR 1	OPR	1.0000	1:6	Analyte
111 170815M1_111	---	B7H0086-BS2 OPR 1	OPR	1.0000	1:7	Analyte
112 170815M1_112	---	B7H0086-BS3 OPR 1	OPR	1.0000	1:8	Analyte
113 170815M1_113	---	B7H0086-BS4 OPR 1	OPR	1.0000	1:9	Analyte
114 170815M1_114	---	B7H0086-BS5 OPR 1	OPR	1.0000	1:10	Analyte
115 170815M1_115	---	1700813-01 RE1 LOD/LOQ Full List DoD 3Q17	LOD/LOQ Full List DoD 3Q17	1.0000	1:11	Analyte
116 170815M1_116	---	IPA	IPA	1.0000	1:48	Blank
117 170815M1_117	X	ST170815M1-8 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
118 170815M1_118	---	IPA	IPA	1.0000	1:48	Blank
119 170815M1_119	---	170814_1034_3	170814_1034_3	1.0000	1:12	Blank
120 170815M1_120	---	170814_1034_4	170814_1034_4	1.0000	1:13	Blank

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

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	File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
121	170815M1_121	---	170814_1034_6	170814_1034_6	1.0000	1:14	Blank
122	170815M1_122	---	IPA	IPA	1.0000	1:48	Blank
123	170815M1_123	---	125ml 1:1 ACN/MeOH	125ml 1:1 ACN/MeOH	1.0000	1:15	Blank
124	170815M1_124	---	125ml MeOH Rinse 1	125ml MeOH Rinse 1	1.0000	1:16	Blank
125	170815M1_125	---	125ml MeOH Rinse 2	125ml MeOH Rinse 2	1.0000	1:17	Blank
126	170815M1_126	---	IPA	IPA	1.0000	1:48	Blank

LC Calibration Standards Review Checklist 04

Calibration ID:		ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	
<u>ST170815MI-1</u>	(L M H)	NA	<input checked="" type="checkbox"/> (A)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <u>NA</u>
<u>-2</u>	(L M H)	<input 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"/>
<u>-3</u>	(L M H)	<input 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"/>
<u>-4</u>	(L M H)	<input type="checkbox"/>	<input checked="" type="checkbox"/> (B)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>-5</u>	(L M H)	<input 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"/>
<u>-6</u>	(L M H)	<input 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"/>
<u>-7</u>	(L M H)	<input type="checkbox"/>	<input checked="" type="checkbox"/> (C)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>-8</u>	(L M H)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (C)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u> </u>	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Full Mass Cal. Date: 6/2/17

Run Log Present:

of Samples per Sequence Checked:

Reviewed By: Yon 8/16/17
Initials/Date

Comments:
 Full List
 (A) PFHPS ^{on 01/15/17} 3 N-MeFOSA at of limit criteria.
 (B) PFHPA at of limit criteria, not used.
 (C) PFHPS at of limit criteria, not used.

Dataset: U:\Q4.PRO\results\170815M1\170815M1-2.qld

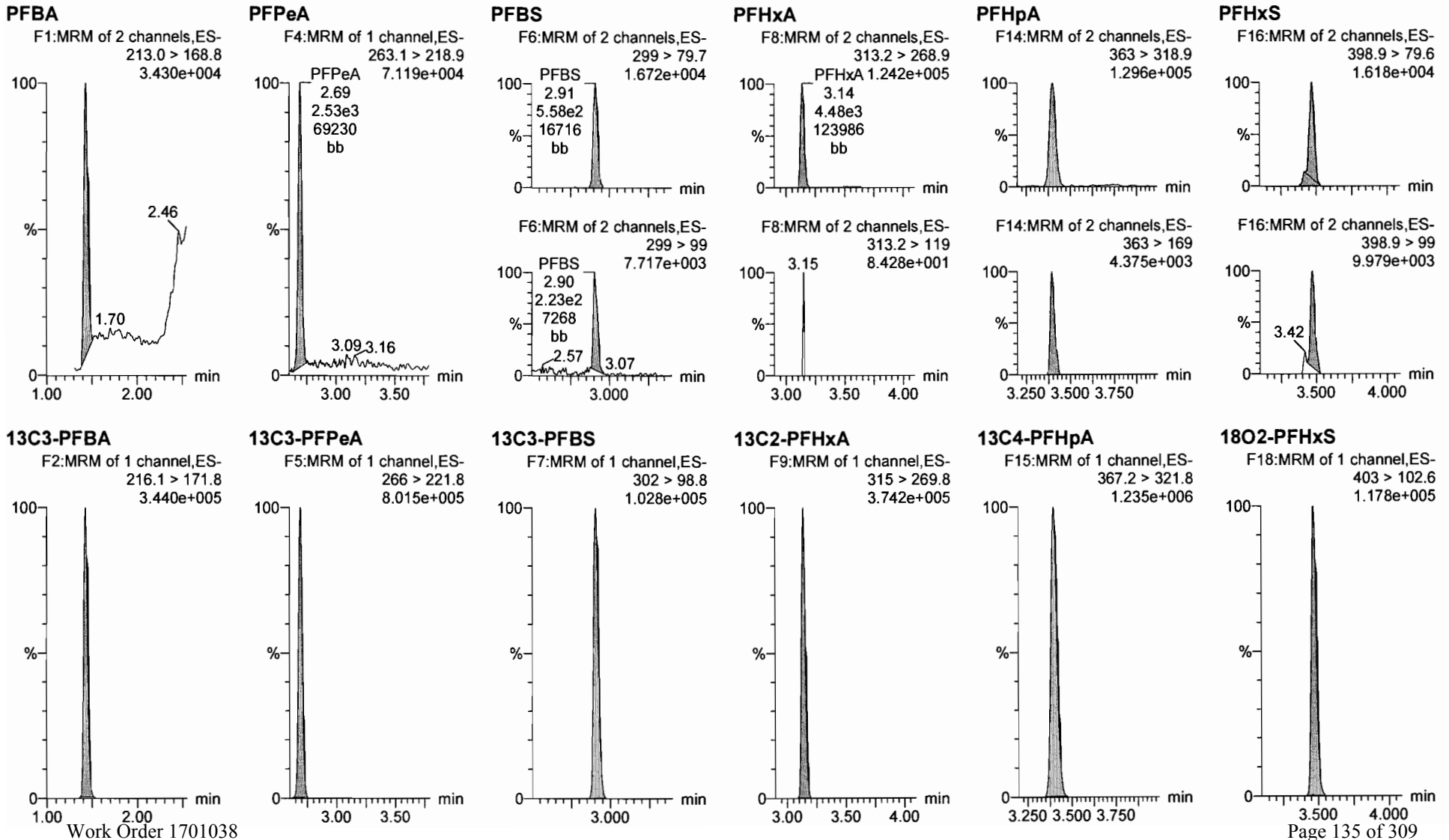
Last Altered: Wednesday, August 16, 2017 09:45:20 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:46:07 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-16-17.mdb 16 Aug 2017 09:43:48

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170815M1_2, Date: 15-Aug-2017, Time: 13:07:55, ID: ST170815M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

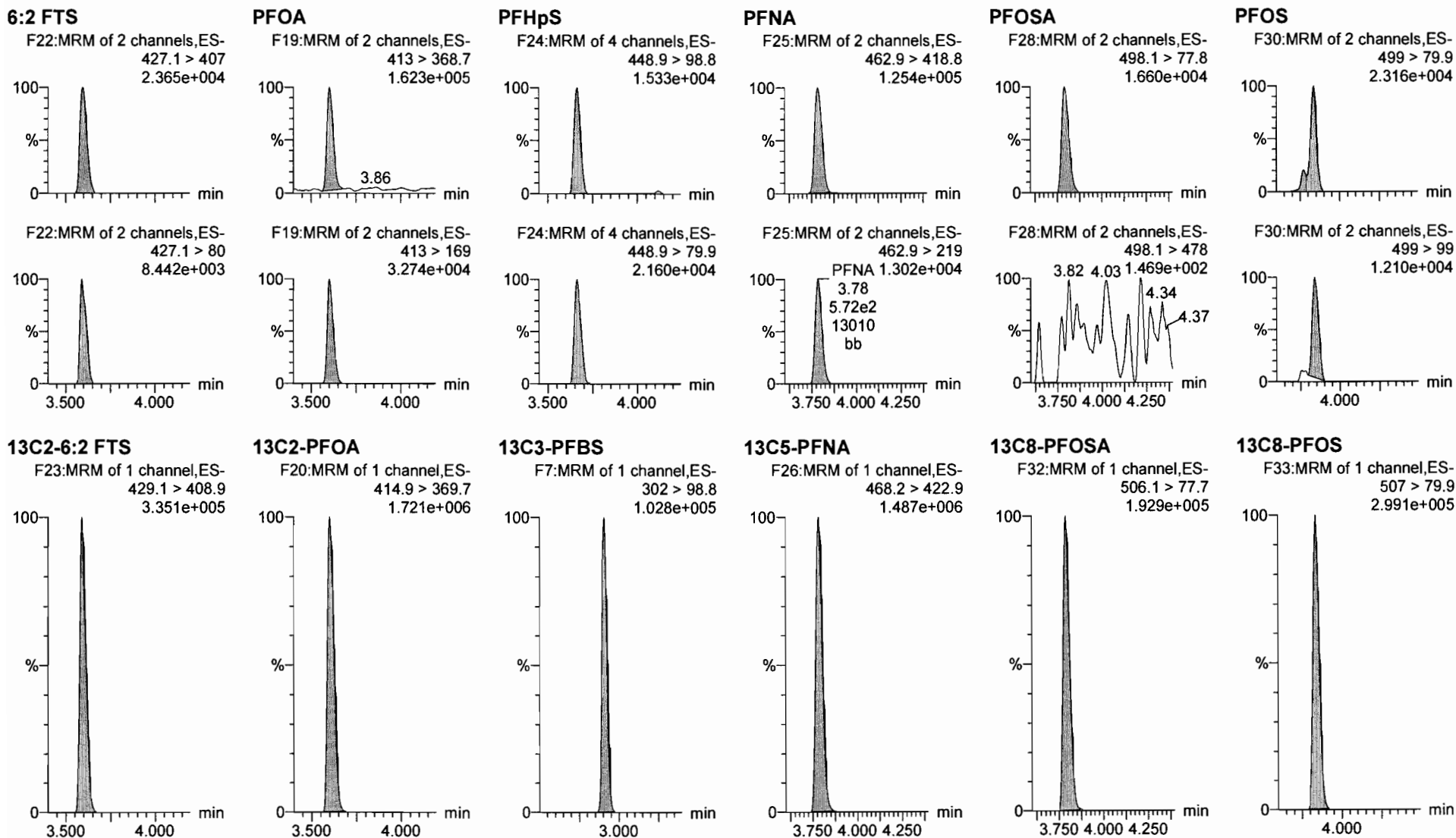


Dataset: U:\Q4.PRO\results\170815M1\170815M1-2.qld

Last Altered: Wednesday, August 16, 2017 09:45:20 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:46:07 Pacific Daylight Time

Name: 170815M1_2, Date: 15-Aug-2017, Time: 13:07:55, ID: ST170815M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

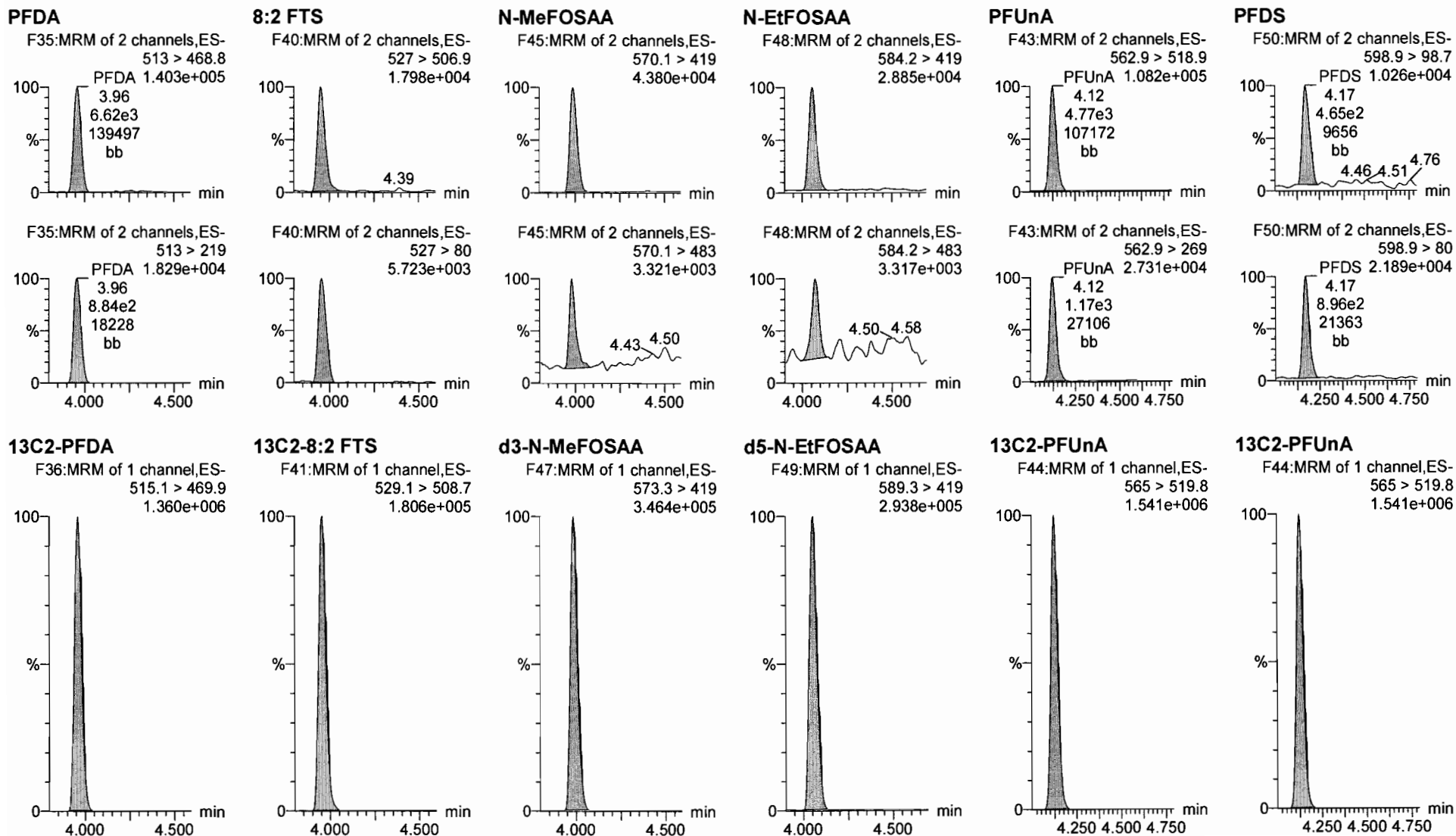


Dataset: U:\Q4.PRO\results\170815M1\170815M1-2.qld

Last Altered: Wednesday, August 16, 2017 09:45:20 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:46:07 Pacific Daylight Time

Name: 170815M1_2, Date: 15-Aug-2017, Time: 13:07:55, ID: ST170815M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

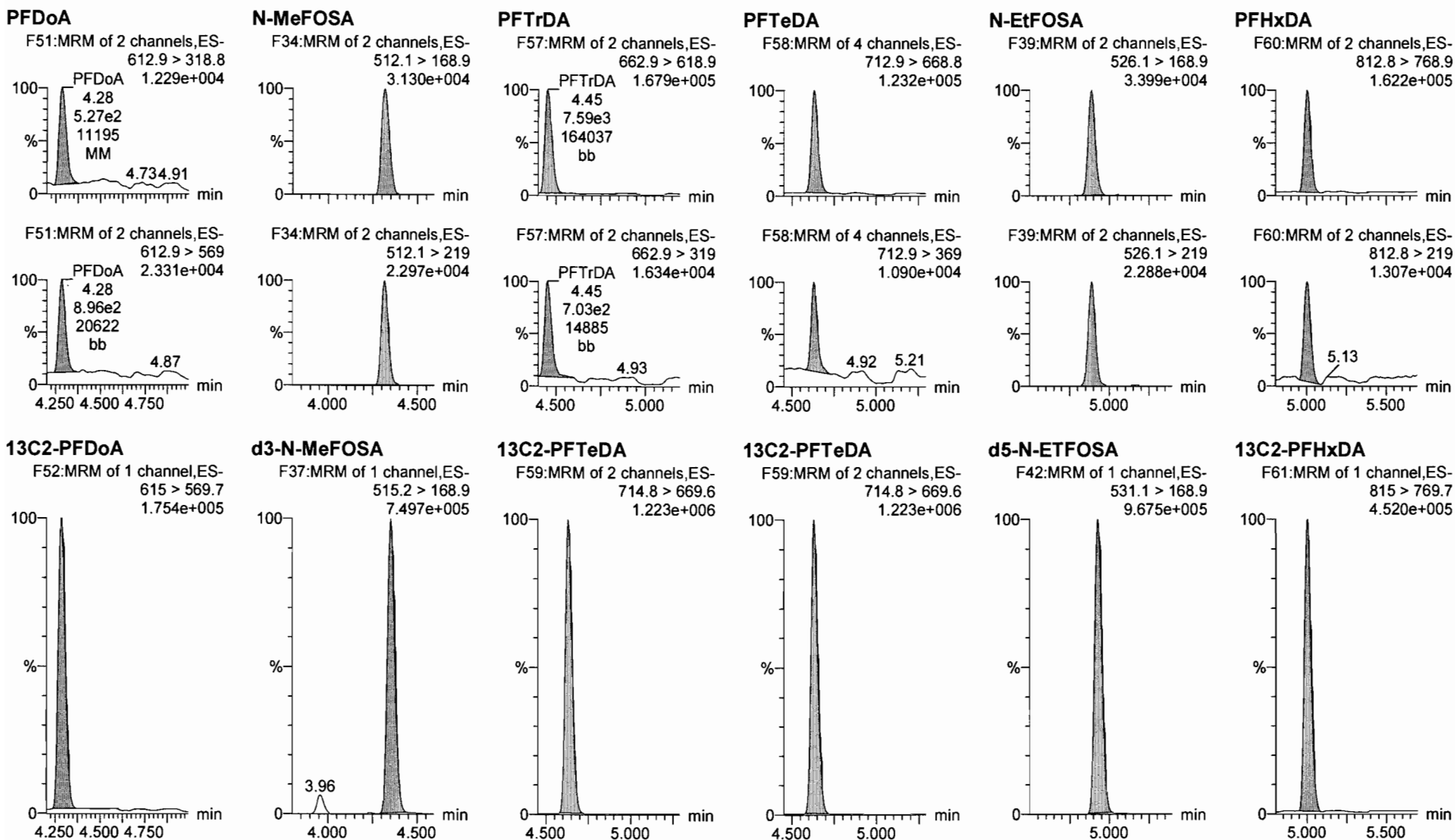


Dataset: U:\Q4.PRO\results\170815M1\170815M1-2.qld

Last Altered: Wednesday, August 16, 2017 09:45:20 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:46:07 Pacific Daylight Time

Name: 170815M1_2, Date: 15-Aug-2017, Time: 13:07:55, ID: ST170815M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

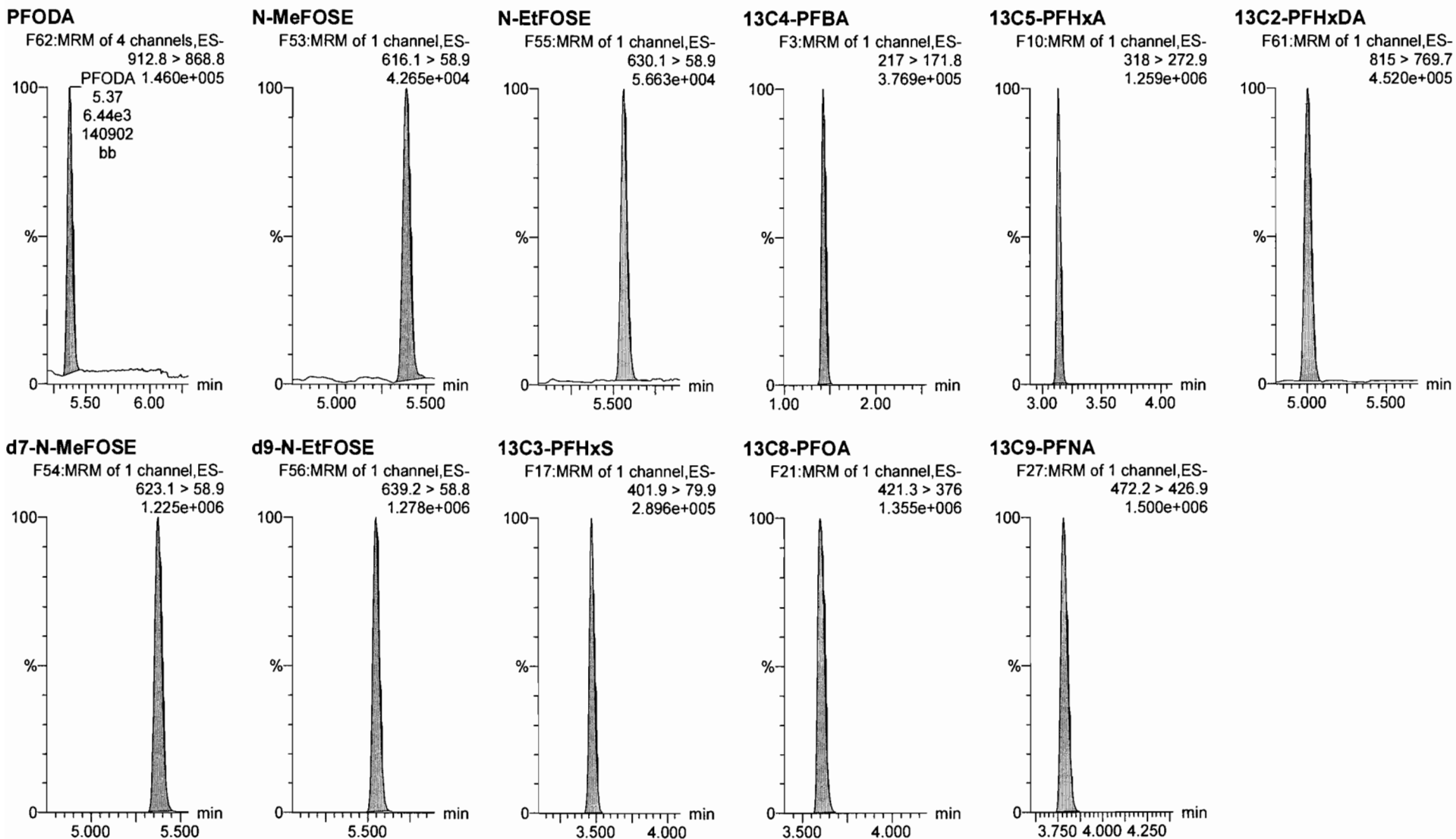


Dataset: U:\Q4.PRO\results\170815M1\170815M1-2.qld

Last Altered: Wednesday, August 16, 2017 09:45:20 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:46:07 Pacific Daylight Time

Name: 170815M1_2, Date: 15-Aug-2017, Time: 13:07:55, ID: ST170815M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302



Dataset: U:\Q4.PRO\results\170815M1\170815M1-2.qld

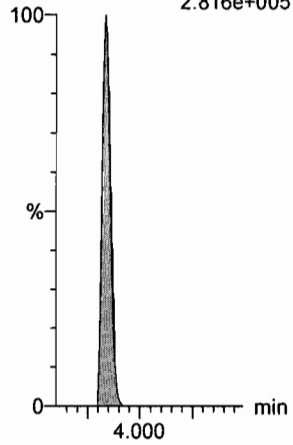
Last Altered: Wednesday, August 16, 2017 09:45:20 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:46:07 Pacific Daylight Time

Name: 170815M1_2, Date: 15-Aug-2017, Time: 13:07:55, ID: ST170815M1-1 PFC CS0 17H1302, Description: PFC CS0 17H1302

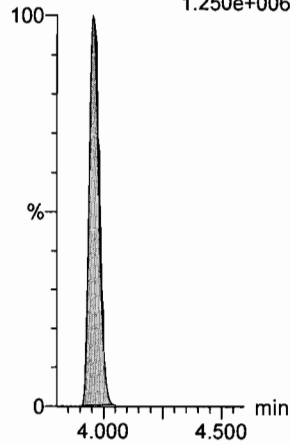
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.816e+005



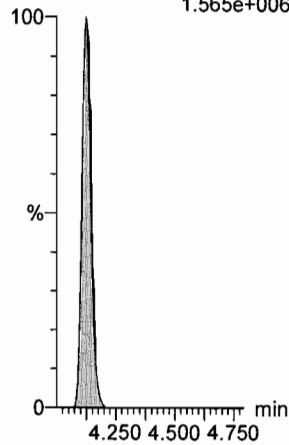
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.250e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.565e+006



Dataset: U:\Q4.PRO\results\170815M1\170815M1-24.qld

Last Altered: Wednesday, August 16, 2017 09:50:12 Pacific Daylight Time
Printed: Wednesday, August 16, 2017 09:50:36 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-16-17.mdb 16 Aug 2017 09:43:48
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170815M1_24, Date: 15-Aug-2017, Time: 17:28:57, ID: ST170815M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	Trace	Area	IS Resp	RRF	Wt./Vol	RT	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	16595.273	18931.156		1.000	1.44	9.99	99.88
2	2 PFPeA	263.1 > 218.9	27349.803	33695.578		1.000	2.70	10.63	106.31
3	3 PFBS	299 > 79.7	5851.625	4040.181		1.000	2.92	10.46	104.65
4	4 PFHxA	313.2 > 268.9	46118.344	15941.997		1.000	3.15	10.95	109.54
5	5 PFHpA	363 > 318.9	59870.176	59096.453		1.000	3.41	10.74	107.42
6	6 PFHxS	398.9 > 79.6	7103.760	5574.216		1.000	3.48	9.06	90.57
7	7 6:2 FTS	427.1 > 407	10812.200	12962.159		1.000	3.60	11.20	111.99
8	8 PFOA	413 > 368.7	63143.371	76746.680		1.000	3.61	10.34	103.35
9	9 PFHpS	448.9 > 98.8	6073.267	76746.680		1.000	3.67	12.48	124.81
10	10 PFNA	462.9 > 418.8	66842.281	73193.641		1.000	3.79	11.13	111.26
11	11 PFOSA	498.1 > 77.8	7721.616	9154.096		1.000	3.80	10.01	100.13
12	12 PFOS	499 > 79.9	11599.705	14492.571		1.000	3.84	9.42	94.15
13	13 PFDA	513 > 468.8	66171.148	81965.203		1.000	3.97	8.82	88.20
14	14 8:2 FTS	527 > 506.9	8609.939	8640.332		1.000	3.96	8.97	89.67
15	15 N-MeFOSAA	570.1 > 419	19675.762	17571.182		1.000	4.00	9.42	94.18
16	16 N-EtFOSAA	584.2 > 419	16196.048	16036.118		1.000	4.07	10.48	104.83
17	17 PFUnA	562.9 > 518.9	53186.422	86013.297		1.000	4.13	9.46	94.61
18	18 PFDS	598.9 > 98.7	5070.790	86013.297		1.000	4.18	8.90	89.02
19	19 PFDoA	612.9 > 318.8	5673.428	7672.295		1.000	4.29	11.04	110.42
20	20 N-MeFOSA	512.1 > 168.9	12458.075	37298.828		1.000	4.33	56.12	112.24
21	21 PFTrDA	662.9 > 618.9	70612.656	7672.295		1.000	4.46	11.36	113.57
22	22 PFTeDA	712.9 > 668.8	49737.027	54294.883		1.000	4.64	10.01	100.08
23	23 N-EtFOSA	526.1 > 168.9	15801.320	50088.383		1.000	4.89	53.38	106.76
24	24 PFHxDA	812.8 > 768.9	73672.680	27478.441		1.000	5.02	9.23	92.34
25	25 PFODA	912.8 > 868.8	65361.777	27478.441		1.000	5.39	9.28	92.77
26	26 N-MeFOSE	616.1 > 58.9	19078.980	56681.340		1.000	5.39	54.24	108.48
27	27 N-EtFOSE	630.1 > 58.9	21663.037	55227.074		1.000	5.56	55.42	110.84
28	28 13C3-PFBA	216.1 > 171.8	18931.156	20683.689	0.906	1.000	1.43	12.63	101.04
29	29 13C3-PFPeA	266 > 221.8	33695.578	52933.020	0.284	1.000	2.70	11.21	89.69
30	30 13C3-PFBS	302 > 98.8	4040.181	52933.020	0.033	1.000	2.92	11.61	92.86
31	31 13C2-PFHxA	315 > 269.8	15941.997	52933.020	0.304	1.000	3.15	4.96	99.19

70-150

50-150

DM
8/16/17

Dataset: U:\Q4.PRO\results\170815M1\170815M1-24.qld

Last Altered: Wednesday, August 16, 2017 09:50:12 Pacific Daylight Time
Printed: Wednesday, August 16, 2017 09:50:36 Pacific Daylight Time

Name: 170815M1_24, Date: 15-Aug-2017, Time: 17:28:57, ID: ST170815M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	Trace	Area	IS Resp	RRF	Wt./Vol	RT	Conc.	%Rec
32	32 13C4-PFHpA	367.2 > 321.8	59096.453	52933.020	0.384	1.000	3.41	14.53	116.27
33	33 18O2-PFHxS	403 > 102.6	5574.216	12611.422	0.417	1.000	3.48	13.25	105.96
34	34 13C2-6:2 FTS	429.1 > 408.9	12962.159	65055.668	0.202	1.000	3.60	12.35	98.77
35	35 13C2-PFOA	414.9 > 369.7	76746.680	65055.668	1.132	1.000	3.61	13.02	104.20
36	36 13C5-PFNA	468.2 > 422.9	73193.641	82428.484	0.946	1.000	3.79	11.73	93.86
37	37 13C8-PFOSA	506.1 > 77.7	9154.096	77591.398	0.119	1.000	3.80	12.35	98.79
38	38 13C8-PFOS	507 > 79.9	14492.571	13080.090	1.040	1.000	3.84	13.32	106.55
39	39 13C2-PFDA	515.1 > 469.9	81965.203	75393.875	0.971	1.000	3.96	14.00	111.96
40	40 13C2-8:2 FTS	529.1 > 508.7	8640.332	75393.875	0.140	1.000	3.96	10.21	81.70
41	41 d3-N-MeFOSAA	573.3 > 419	17571.182	77591.398	0.018	1.000	4.00	159.13	97.93
42	42 d5-N-EtFOSAA	589.3 > 419	16036.118	77591.398	0.018	1.000	4.06	141.70	87.20
43	43 13C2-PFUnA	565 > 519.8	86013.297	77591.398	1.085	1.000	4.13	12.77	102.16
44	44 13C2-PFDoA	615 > 569.7	7672.295	77591.398	0.123	1.000	4.30	10.04	80.30
45	45 d3-N-MeFOSA	515.2 > 168.9	37298.828	77591.398	0.043	1.000	4.36	138.88	92.59
46	46 13C2-PFTeDA	714.8 > 669.6	54294.883	77591.398	0.798	1.000	4.64	10.96	87.71
47	47 d5-N-ETFOSA	531.1 > 168.9	50088.383	77591.398	0.056	1.000	4.93	144.93	96.62
48	48 13C2-PFHxDA	815 > 769.7	27478.441	77591.398	0.926	1.000	5.02	4.78	95.56
49	49 d7-N-MeFOSE	623.1 > 58.9	56681.340	77591.398	0.059	1.000	5.38	153.61	102.41
50	50 d9-N-EtFOSE	639.2 > 58.8	55227.074	77591.398	0.059	1.000	5.55	149.58	99.72
51	51 13C4-PFBA	217 > 171.8	20683.689	20683.689	1.000	1.000	1.43	12.50	100.00
52	52 13C5-PFHxA	318 > 272.9	52933.020	52933.020	1.000	1.000	3.15	5.00	100.00
53	53 13C3-PFHxS	401.9 > 79.9	12611.422	12611.422	1.000	1.000	3.48	12.50	100.00
54	54 13C8-PFOA	421.3 > 376	65055.668	65055.668	1.000	1.000	3.61	12.50	100.00
55	55 13C9-PFNA	472.2 > 426.9	82428.484	82428.484	1.000	1.000	3.79	12.50	100.00
56	56 13C4-PFOS	503 > 79.9	13080.090	13080.090	1.000	1.000	3.84	12.50	100.00
57	57 13C6-PFDA	519.1 > 473.7	75393.875	75393.875	1.000	1.000	3.96	12.50	100.00
58	58 13C7-PFUnA	570.1 > 524.8	77591.398	77591.398	1.000	1.000	4.13	12.50	100.00

SD-150
↓

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
 Last Modified: Tuesday, August 15, 2017 13:50:57 Pacific Daylight Time
 Printed: Tuesday, August 15, 2017 13:51:10 Pacific Daylight Time

File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
1 170815M1_1	---	IPA	IPA	1.0000	1:48	Blank
2 170815M1_2	X	ST170815M1-1 PFC CS0 17H1302	PFC CS0 17H1302	1.0000	1:1	Analyte
3 170815M1_3	---	IPA	IPA	1.0000	1:48	Blank
4 170815M1_4	-	B7H0078-BS1 OPR 0.125	OPR	0.1250	1:15	Analyte
5 170815M1_5	---	IPA	IPA	1.0000	1:48	Blank
6 170815M1_6	-	B7H0078-BLK1 Method Blank 0.125	Method Blank	0.1250	1:16	Analyte
7 170815M1_7	-	B7H0078-MS1 Matrix Spike 0.125	Matrix Spike	0.1250	1:17	Analyte
8 170815M1_8	-	B7H0078-MSD1 Matrix Spike Dup 0.125	Matrix Spike Dup	0.1250	1:18	Analyte
9 170815M1_9	-	1700907-04RE1@20 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:33	Analyte
10 170815M1_10	---	IPA	IPA	1.0000	1:48	Blank
11 170815M1_11	-	1700862-01RE1 WS 252 0.00025	WS 252	0.0003	1:19	Analyte
12 170815M1_12	-	1700907-04RE1 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:20	Analyte
13 170815M1_13	---	IPA	IPA	1.0000	1:48	Blank
14 170815M1_14	-	1701031-01 BANGR-03-GW-TW03-080817 0.125	BANGR-03-GW-TW03-080817	0.1250	1:21	Analyte
15 170815M1_15	-	1701031-02 BANGR-05-GW-TW05-080817 0.125	BANGR-05-GW-TW05-080817	0.1250	1:22	Analyte
16 170815M1_16	-	1701031-03 BANGR-06-GW-TW06-080917 0.125	BANGR-06-GW-TW06-080917	0.1250	1:23	Analyte
17 170815M1_17	-	1701031-04 BANGR-12-GW-TW12-080817 0.125	BANGR-12-GW-TW12-080817	0.1250	1:24	Analyte
18 170815M1_18	-	1701034-01 SB01-20170808 0.125	SB01-20170808	0.1250	1:25	Analyte
19 170815M1_19	-	1701034-02 Site1-GW-01TW03-20170808 0.125	Site1-GW-01TW03-20170808	0.1250	1:26	Analyte
20 170815M1_20	-	1701034-03 Site1-GW-01TW01-20170808 0.125	Site1-GW-01TW01-20170808	0.1250	1:27	Analyte
21 170815M1_21	-	1701034-04 Site1-GW-FD01-20170808 0.125	Site1-GW-FD01-20170808	0.1250	1:28	Analyte
22 170815M1_22	-	1701034-05 EB01-20170808 0.125	EB01-20170808	0.1250	1:29	Analyte
23 170815M1_23	---	IPA	IPA	1.0000	1:48	Blank
24 170815M1_24	X	ST170815M1-2 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
25 170815M1_25	---	IPA	IPA	1.0000	1:48	Blank
26 170815M1_26	-	1701034-06 Site1-GW-01TW02-20170808 0.125	Site1-GW-01TW02-20170808	0.1250	1:30	Analyte
27 170815M1_27	-	1701038-01 OC-PFC-MW04R-0817 0.125	OC-PFC-MW04R-0817	0.1250	1:31	Analyte
28 170815M1_28	-	1701038-02 OC-PFC-EB081017 0.125	OC-PFC-EB081017	0.1250	1:32	Analyte
29 170815M1_29	---	IPA	IPA	1.0000	1:48	Blank
30 170815M1_30	X	ST170815M1-3 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
31 170815M1_31	---	IPA	IPA	1.0000	1:48	Blank

Ⓐ Re-injected because IIS AREA was at the 1st time. on 8/15/17
 Ⓑ Instrument paused to adjust windows. on 8/15/17
 Ⓒ Instrument paused to load sample on tray. on 8/15/17

on 8/15/17

Ⓓ samples added, see corrected.

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
 Last Modified: Tuesday, August 15, 2017 17:54:39 Pacific Daylight Time
 Printed: Tuesday, August 15, 2017 17:55:26 Pacific Daylight Time

File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
1 170815M1_1	---	IPA	IPA	1.0000	1:48	Blank
2 170815M1_2	X	ST170815M1-1 PFC CS0 17H1302	PFC CS0 17H1302	1.0000	1:1	Analyte
3 170815M1_3	---	IPA	IPA	1.0000	1:48	Blank
4 170815M1_4	-	B7H0078-BS1 OPR 0.125	OPR	0.1250	1:15	Analyte
5 170815M1_5	---	IPA	IPA	1.0000	1:48	Blank
6 170815M1_6	-	B7H0078-BLK1 Method Blank 0.125	Method Blank	0.1250	1:16	Analyte
7 170815M1_7	-	B7H0078-MS1 Matrix Spike 0.125	Matrix Spike	0.1250	1:17	Analyte
8 170815M1_8	-	B7H0078-MSD1 Matrix Spike Dup 0.125	Matrix Spike Dup	0.1250	1:18	Analyte
9 170815M1_9	-	1700907-04RE1@20 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:33	Analyte
10 170815M1_10	---	IPA	IPA	1.0000	1:48	Blank
11 170815M1_11	-	1700862-01RE1 WS 252 0.00025	WS 252	0.0003	1:19	Analyte
12 170815M1_12	-	1700907-04RE1 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:20	Analyte
13 170815M1_13	---	IPA	IPA	1.0000	1:48	Blank
14 170815M1_14	-	1701031-01 BANGR-03-GW-TW03-080817 0.125	BANGR-03-GW-TW03-080817	0.1250	1:21	Analyte
15 170815M1_15	-	1701031-02 BANGR-05-GW-TW05-080817 0.125	BANGR-05-GW-TW05-080817	0.1250	1:22	Analyte
16 170815M1_16	-	1701031-03 BANGR-06-GW-TW06-080917 0.125	BANGR-06-GW-TW06-080917	0.1250	1:23	Analyte
17 170815M1_17	-	1701031-04 BANGR-12-GW-TW12-080817 0.125	BANGR-12-GW-TW12-080817	0.1250	1:24	Analyte
18 170815M1_18	-	1701034-01 SB01-20170808 0.125	SB01-20170808	0.1250	1:25	Analyte
19 170815M1_19	-	1701034-02 Site1-GW-01TW03-20170808 0.125	Site1-GW-01TW03-20170808	0.1250	1:26	Analyte
20 170815M1_20	-	1701034-03 Site1-GW-01TW01-20170808 0.125	Site1-GW-01TW01-20170808	0.1250	1:27	Analyte
21 170815M1_21	-	1701034-04 Site1-GW-FD01-20170808 0.125	Site1-GW-FD01-20170808	0.1250	1:28	Analyte
22 170815M1_22	-	1701034-05 EB01-20170808 0.125	EB01-20170808	0.1250	1:29	Analyte
23 170815M1_23	---	IPA	IPA	1.0000	1:48	Blank
24 170815M1_24	X	ST170815M1-2 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
25 170815M1_25	---	IPA	IPA	1.0000	1:48	Blank
26 170815M1_26	-	1701034-06 Site1-GW-01TW02-20170808 0.125	Site1-GW-01TW02-20170808	0.1250	1:30	Analyte
27 170815M1_27	-	1701038-01 OC-PFC-MW04R-0817 0.125	OC-PFC-MW04R-0817	0.1250	1:31	Analyte
28 170815M1_28	-	1701038-02 OC-PFC-EB081017 0.125	OC-PFC-EB081017	0.1250	1:32	Analyte
29 170815M1_29	---	B7H0035-BS1 OPR 0.125	OPR	0.1250	1:33	Analyte
30 170815M1_30	---	IPA	IPA	1.0000	1:48	Blank
31 170815M1_31	---	B7H0035-BLK1 Method Blank 0.125	Method Blank	0.1250	1:34	Analyte
32 170815M1_32	---	B7H0035-MS1 Matrix Spike 0.11511	Matrix Spike	0.1151	1:35	Analyte
33 170815M1_33	---	B7H0035-MSD1 Matrix Spike Dup 0.11806	Matrix Spike Dup	0.1181	1:36	Analyte
34 170815M1_34	---	1700980-01 IR09MW61A-080217 0.10744	IR09MW61A-080217	0.1074	1:37	Analyte
35 170815M1_35	---	1700980-02 IR09MW62A-080217 0.11271	IR09MW62A-080217	0.1127	1:38	Analyte
36 170815M1_36	---	IPA	IPA	0.1127	1:39	Analyte
37 170815M1_37	---	1700980-03 IR09P040A-080217 0.11721	IR09P040A-080217	0.1172	1:40	Analyte
38 170815M1_38	---	1700980-04 IR10MW28A-080217 0.1175	IR10MW28A-080217	0.1175	1:41	Analyte
39 170815M1_39	---	1700980-05 080217-FB-01 0.12184	080217-FB-01	0.1218	1:42	Analyte
40 170815M1_40	---	1700980-06 IR10MW13A1-080217 0.12103	IR10MW13A1-080217	0.1210	1:43	Analyte

Work Order 1701088
 Instrument reused to load samples on 8/15/17

am 9/15/17

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
 Last Modified: Tuesday, August 15, 2017 17:54:39 Pacific Daylight Time
 Printed: Tuesday, August 15, 2017 17:55:26 Pacific Daylight Time

File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type	
41	170815M1_41	---	IPA	IPA	1.0000	1:48	Blank
42	170815M1_42	X	ST170815M1-3 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
43	170815M1_43	---	IPA	IPA	1.0000	1:48	Blank
44	170815M1_44	---	1700980-07 IR10MW31A1-080217 0.12279	IR10MW31A1-080217	0.1228	1:44	Analyte
45	170815M1_45	---	1700980-08 IR10MW31A1-080217-D 0.11964	IR10MW31A1-080217-D	0.1196	1:45	Analyte
46	170815M1_46	---	1700980-09 080217-ER-01 0.11911	080217-ER-01	0.1191	1:46	Analyte
47	170815M1_47	---	1700980-10 080217-SB-01 0.11909	080217-SB-01	0.1191	1:47	Analyte
48	170815M1_48	---	IPA	IPA	0.1093	2:1	Analyte
49	170815M1_49	---	B7H0066-BS1 OPR 0.125	OPR	0.1250	2:2	Analyte
50	170815M1_50	---	B7H0069-BS1 OPR 0.25	OPR	0.2500	2:3	Analyte
51	170815M1_51	---	IPA	IPA	1.0000	1:48	Blank
52	170815M1_52	---	B7H0066-BLK1 Method Blank 0.125	Method Blank	0.1250	2:4	Analyte
53	170815M1_53	---	B7H0069-BLK1 Method Blank 0.25	Method Blank	0.2500	2:5	Analyte
54	170815M1_54	---	B7H0066-MS1 Matrix Spike 0.11555	Matrix Spike	0.1156	2:6	Analyte
55	170815M1_55	---	B7H0066-MSD1 Matrix Spike Dup 0.11567	Matrix Spike Dup	0.1157	2:7	Analyte
56	170815M1_56	---	B7H0066-MS2 Matrix Spike 0.11836	Matrix Spike	0.1184	2:8	Analyte
57	170815M1_57	---	B7H0066-MSD2 Matrix Spike Dup 0.11729	Matrix Spike Dup	0.1173	2:9	Analyte
58	170815M1_58	---	B7H0069-MS1 Matrix Spike 0.1193	Matrix Spike	0.1193	2:10	Analyte
59	170815M1_59	---	B7H0069-MSD1 Matrix Spike Dup 0.11433	Matrix Spike Dup	0.1143	2:11	Analyte
60	170815M1_60	---	1701011-01 06302140000900_2017 0.11617	06302140000900_2017	0.1162	2:12	Analyte
61	170815M1_61	---	1701011-02 06302140002050_2017 0.11859	06302140002050_2017	0.1186	2:13	Analyte
62	170815M1_62	---	1701011-03 06302140002100_2017 0.11904	06302140002100_2017	0.1190	2:14	Analyte
63	170815M1_63	---	1701011-04 06302810002200_2017 0.11477	06302810002200_2017	0.1148	2:15	Analyte
64	170815M1_64	---	1701011-05 064W5000002700_2017 0.11543	064W5000002700_2017	0.1154	2:16	Analyte
65	170815M1_65	---	1701011-06 FD-01 0.12004	FD-01	0.1200	2:17	Analyte
66	170815M1_66	---	1701011-07 FD-02 0.11727	FD-02	0.1173	2:18	Analyte
67	170815M1_67	---	IPA	IPA	1.0000	1:48	Blank
68	170815M1_68	X	ST170815M1-4 PFC CS0 17H1504	PFC CS0 17H1504	1.0000	1:3	Analyte
69	170815M1_69	---	IPA	IPA	1.0000	1:48	Blank
70	170815M1_70	---	1701011-08 06302130001200_2017 0.12215	06302130001200_2017	0.1221	2:19	Analyte
71	170815M1_71	---	1701011-09 06302130001400A_2017 0.12023	06302130001400A_2017	0.1202	2:20	Analyte
72	170815M1_72	---	1701011-10 06302810001500_B_2017 0.11695	06302810001500_B_2017	0.1170	2:21	Analyte
73	170815M1_73	---	1701011-11 6302840007000_2017 0.11166	6302840007000_2017	0.1117	2:22	Analyte
74	170815M1_74	---	1701011-12 FD-03 0.11337	FD-03	0.1134	2:23	Analyte
75	170815M1_75	---	1701011-13 FD-04 0.12051	FD-04	0.1205	2:24	Analyte
76	170815M1_76	---	1701011-14 FD-05 0.11946	FD-05	0.1195	2:25	Analyte
77	170815M1_77	---	1701011-15 06302720002300_2017 0.11523	06302720002300_2017	0.1152	2:26	Analyte
78	170815M1_78	---	1701011-16 06302720002500_2017-C 0.10939	06302720002500_2017-C	0.1094	2:27	Analyte
79	170815M1_79	---	1701011-17 06302720002800_2017 0.11111	06302720002800_2017	0.1111	2:28	Analyte
80	170815M1_80	---	IPA	IPA	1.0000	1:48	Blank

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
 Last Modified: Tuesday, August 15, 2017 17:54:39 Pacific Daylight Time
 Printed: Tuesday, August 15, 2017 17:55:26 Pacific Daylight Time

File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type	
81	170815M1_81	X	ST170815M1-5 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
82	170815M1_82	---	IPA	IPA	1.0000	1:48	Blank
83	170815M1_83	---	1701011-18 06302810001500_A_2017 0.11512	06302810001500_A_2017	0.1151	2:29	Analyte
84	170815M1_84	---	1701011-19 Tr-Prk-Pub-Well-1_2017 0.11801	Tr-Prk-Pub-Well-1_2017	0.1180	2:30	Analyte
85	170815M1_85	---	1701011-20 Tr-Prk-Pub-Well-2_2017 0.11847	Tr-Prk-Pub-Well-2_2017	0.1185	2:31	Analyte
86	170815M1_86	---	1701013-01 06302720002600_2017 0.11643	06302720002600_2017	0.1164	2:32	Analyte
87	170815M1_87	---	1701013-02 06302720002900_2017 0.11676	06302720002900_2017	0.1168	2:33	Analyte
88	170815M1_88	---	1701013-03 06302810000600_2017 0.12244	06302810000600_2017	0.1224	2:34	Analyte
89	170815M1_89	---	1701013-04 064A300000100_2017 0.1166	064A300000100_2017	0.1166	2:35	Analyte
90	170815M1_90	---	1701013-05 064A3500005900_2017 0.12037	064A3500005900_2017	0.1204	2:36	Analyte
91	170815M1_91	---	1701013-06 5673_F41_2017 0.12174	5673_F41_2017	0.1217	2:37	Analyte
92	170815M1_92	---	1701013-07 06302140002250_2017 0.12148	06302140002250_2017	0.1215	2:38	Analyte
93	170815M1_93	---	IPA	IPA	1.0000	1:48	Blank
94	170815M1_94	X	ST170815M1-6 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
95	170815M1_95	---	IPA	IPA	1.0000	1:48	Blank
96	170815M1_96	---	1701013-08 06302810001010_2017 0.1142	06302810001010_2017	0.1142	2:39	Analyte
97	170815M1_97	---	1701013-09 064P5000001700_2017 0.12061	064P5000001700_2017	0.1206	2:40	Analyte
98	170815M1_98	---	1701013-10 064V5000000200_2017 0.11516	064V5000000200_2017	0.1152	2:41	Analyte
99	170815M1_99	---	1701013-11 LabDI_2017 0.11964	LabDI_2017	0.1196	2:42	Analyte
100	170815M1_100	---	1701022-01 Lagoon (420-124769-1) 0.24019	Lagoon (420-124769-1)	0.2402	2:43	Analyte
101	170815M1_101	---	1701023-01 SB01-20170807 0.11872	SB01-20170807	0.1187	2:44	Analyte
102	170815M1_102	---	1701023-02 EB01-20170807 0.11734	EB01-20170807	0.1173	2:45	Analyte
103	170815M1_103	---	1701023-03 OUA1-MW08-20170807 0.1175	OUA1-MW08-20170807	0.1175	2:46	Analyte
104	170815M1_104	---	1701023-04 OUA1-HS03-20170807 0.11075	OUA1-HS03-20170807	0.1108	2:47	Analyte
105	170815M1_105	---	1701023-05 EB02-20170808 0.11203	EB02-20170808	0.1120	2:48	Analyte
106	170815M1_106	---	IPA	IPA	1.0000	1:48	Blank
107	170815M1_107	X	ST170815M1-7 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
108	170815M1_108	---	IPA	IPA	1.0000	1:48	Blank
109	170815M1_109	---	B7H0086-BLK1 Method Blank 1	Method Blank	1.0000	1:5	Analyte
110	170815M1_110	---	B7H0086-BS1 OPR 1	OPR	1.0000	1:6	Analyte
111	170815M1_111	---	B7H0086-BS2 OPR 1	OPR	1.0000	1:7	Analyte
112	170815M1_112	---	B7H0086-BS3 OPR 1	OPR	1.0000	1:8	Analyte
113	170815M1_113	---	B7H0086-BS4 OPR 1	OPR	1.0000	1:9	Analyte
114	170815M1_114	---	B7H0086-BS5 OPR 1	OPR	1.0000	1:10	Analyte
115	170815M1_115	---	1700813-01 RE1 LOD/LOQ Full List DoD 3Q17	LOD/LOQ Full List DoD 3Q17	1.0000	1:11	Analyte
116	170815M1_116	---	IPA	IPA	1.0000	1:48	Blank
117	170815M1_117	X	ST170815M1-8 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
118	170815M1_118	---	IPA	IPA	1.0000	1:48	Blank
119	170815M1_119	---	170814_1034_3	170814_1034_3	1.0000	1:12	Blank
120	170815M1_120	---	170814_1034_4	170814_1034_4	1.0000	1:13	Blank

Sample List Report**MassLynx MassLynx V4.1 SCN945 SCN960**

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
Last Modified: Tuesday, August 15, 2017 17:54:39 Pacific Daylight Time
Printed: Tuesday, August 15, 2017 17:55:26 Pacific Daylight Time

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Page Position (1, 4)

	File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
121	170815M1_121	---	170814_1034_6	170814_1034_6	1.0000	1:14	Blank
122	170815M1_122	---	IPA	IPA	1.0000	1:48	Blank
123	170815M1_123	---	125ml 1:1 ACN/MeOH	125ml 1:1 ACN/MeOH	1.0000	1:15	Blank
124	170815M1_124	---	125ml MeOH Rinse 1	125ml MeOH Rinse 1	1.0000	1:16	Blank
125	170815M1_125	---	125ml MeOH Rinse 2	125ml MeOH Rinse 2	1.0000	1:17	Blank
126	170815M1_126	---	IPA	IPA	1.0000	1:48	Blank

Dataset: U:\Q4.PRO\results\170815M1\170815M1-24.qld

Last Altered: Wednesday, August 16, 2017 09:50:12 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:50:43 Pacific Daylight Time

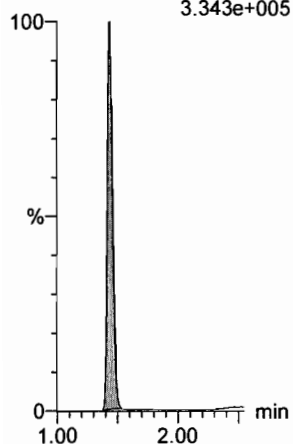
Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-16-17.mdb 16 Aug 2017 09:43:48

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170815M1_24, Date: 15-Aug-2017, Time: 17:28:57, ID: ST170815M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

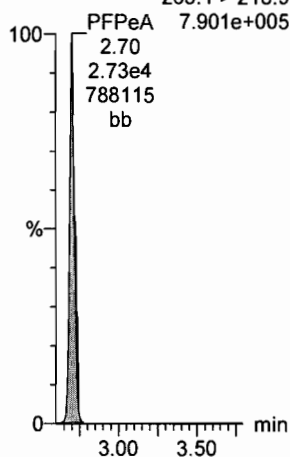
PFBA

F1:MRM of 2 channels,ES-
213.0 > 168.8
3.343e+005



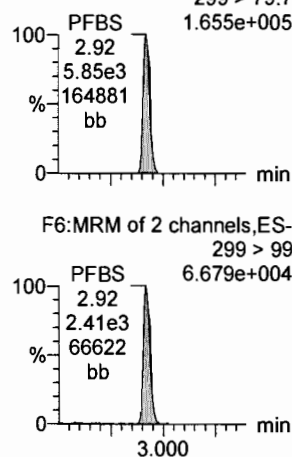
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
7.901e+005



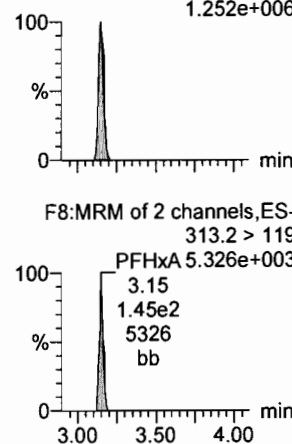
PFBS

F6:MRM of 2 channels,ES-
299 > 79.7
1.655e+005



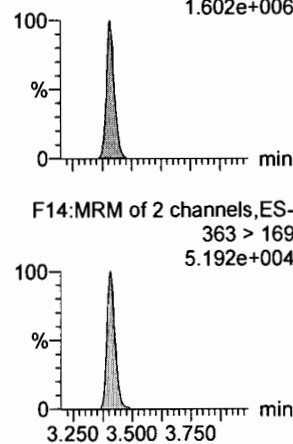
PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
1.252e+006



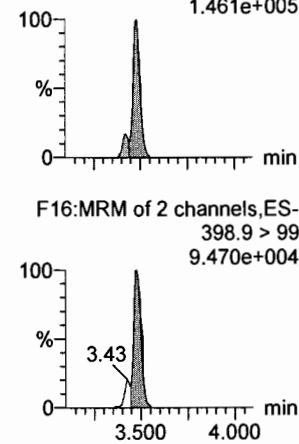
PFHpA

F14:MRM of 2 channels,ES-
363 > 318.9
1.602e+006



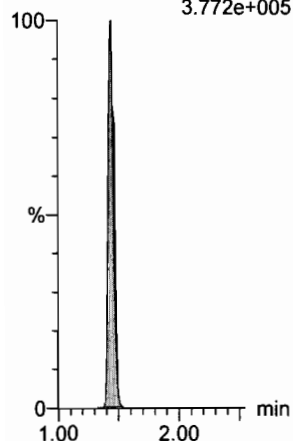
PFHxS

F16:MRM of 2 channels,ES-
398.9 > 79.6
1.461e+005



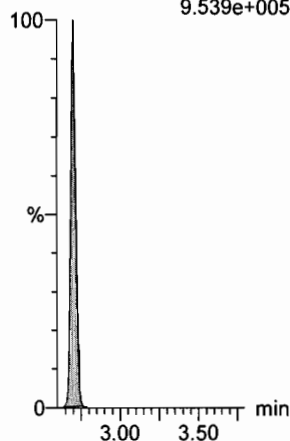
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
3.772e+005



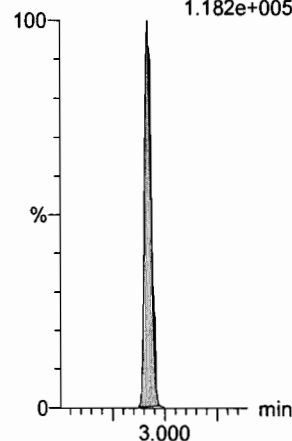
13C3-PFPeA

F5:MRM of 1 channel,ES-
266 > 221.8
9.539e+005



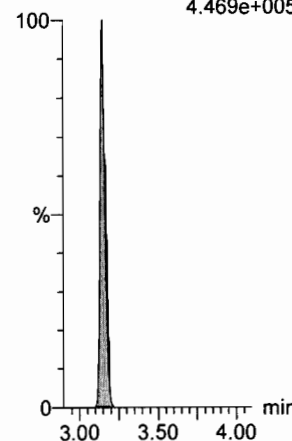
13C3-PFBS

F7:MRM of 1 channel,ES-
302 > 98.8
1.182e+005



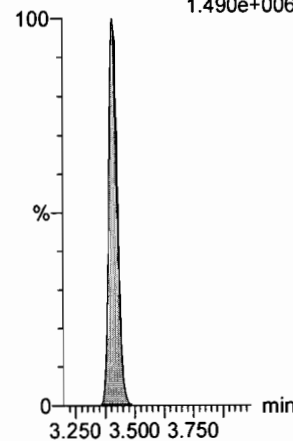
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
4.469e+005



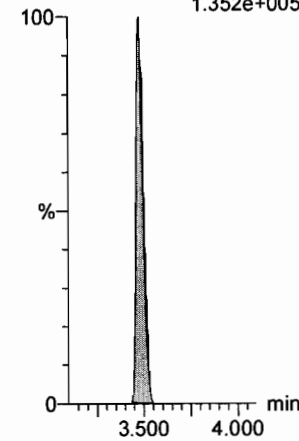
13C4-PFHpA

F15:MRM of 1 channel,ES-
367.2 > 321.8
1.490e+006



18O2-PFHxS

F18:MRM of 1 channel,ES-
403 > 102.6
1.352e+005



Dataset: U:\Q4.PRO\results\170815M1\170815M1-24.qld

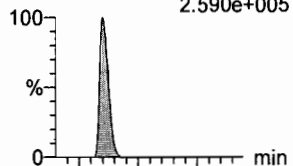
Last Altered: Wednesday, August 16, 2017 09:50:12 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:50:43 Pacific Daylight Time

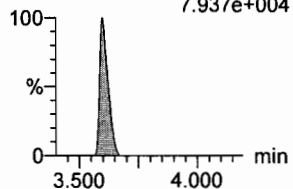
Name: 170815M1_24, Date: 15-Aug-2017, Time: 17:28:57, ID: ST170815M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

6:2 FTS

F22:MRM of 2 channels,ES-
427.1 > 407
2.590e+005

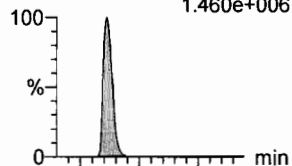


F22:MRM of 2 channels,ES-
427.1 > 80
7.937e+004

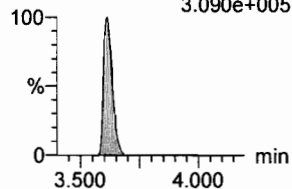


PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
1.460e+006

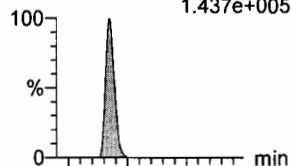


F19:MRM of 2 channels,ES-
413 > 169
3.090e+005

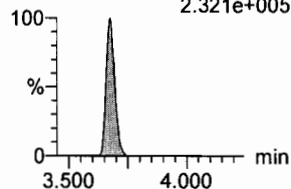


PFHpS

F24:MRM of 4 channels,ES-
448.9 > 98.8
1.437e+005



F24:MRM of 4 channels,ES-
448.9 > 79.9
2.321e+005

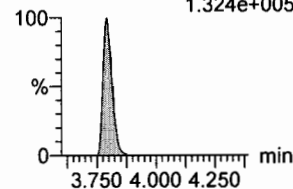


PFNA

F25:MRM of 2 channels,ES-
462.9 > 418.8
1.552e+006

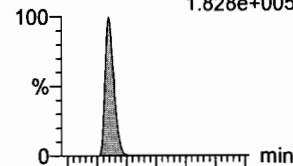


F25:MRM of 2 channels,ES-
462.9 > 219
1.324e+005

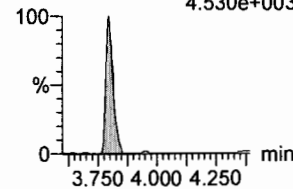


PFOSA

F28:MRM of 2 channels,ES-
498.1 > 77.8
1.828e+005

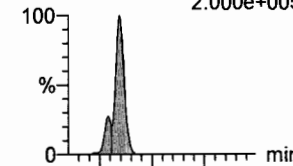


F28:MRM of 2 channels,ES-
498.1 > 478
4.530e+003

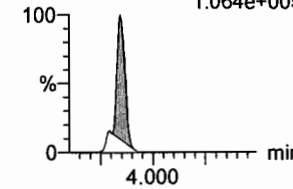


PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
2.000e+005

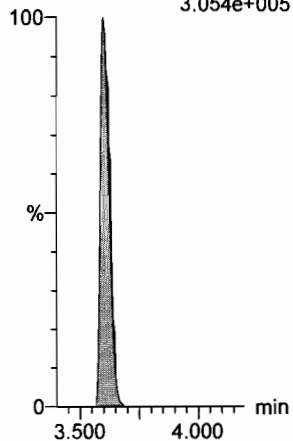


F30:MRM of 2 channels,ES-
499 > 99
1.064e+005



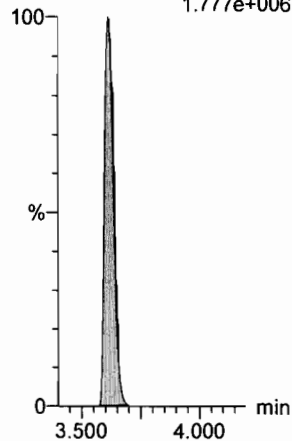
13C2-6:2 FTS

F23:MRM of 1 channel,ES-
429.1 > 408.9
3.054e+005



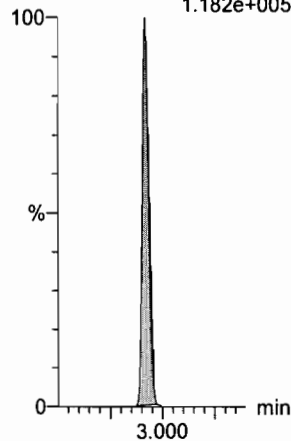
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
1.777e+006



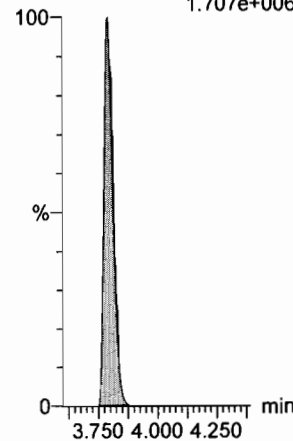
13C3-PFBS

F7:MRM of 1 channel,ES-
302 > 98.8
1.182e+005



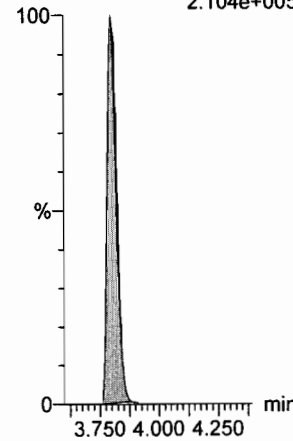
13C5-PFNA

F26:MRM of 1 channel,ES-
468.2 > 422.9
1.707e+006



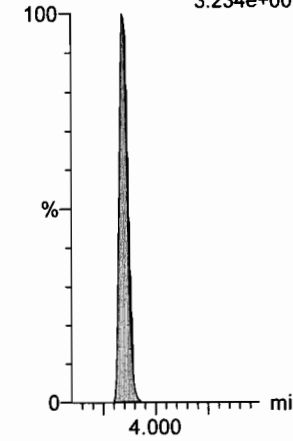
13C8-PFOA

F32:MRM of 1 channel,ES-
506.1 > 77.7
2.104e+005



13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
3.234e+005

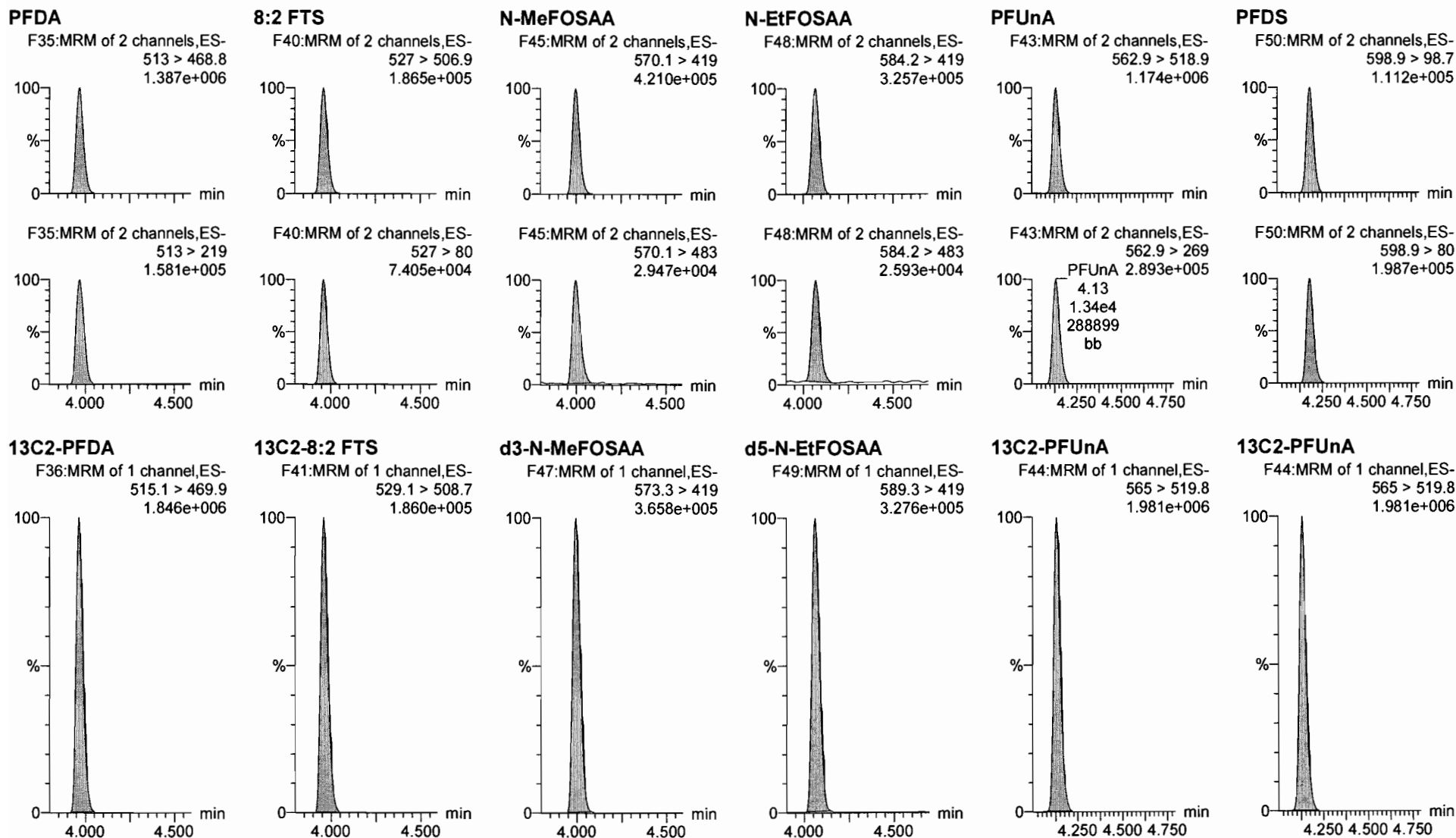


Dataset: U:\Q4.PRO\results\170815M1\170815M1-24.qld

Last Altered: Wednesday, August 16, 2017 09:50:12 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:50:43 Pacific Daylight Time

Name: 170815M1_24, Date: 15-Aug-2017, Time: 17:28:57, ID: ST170815M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

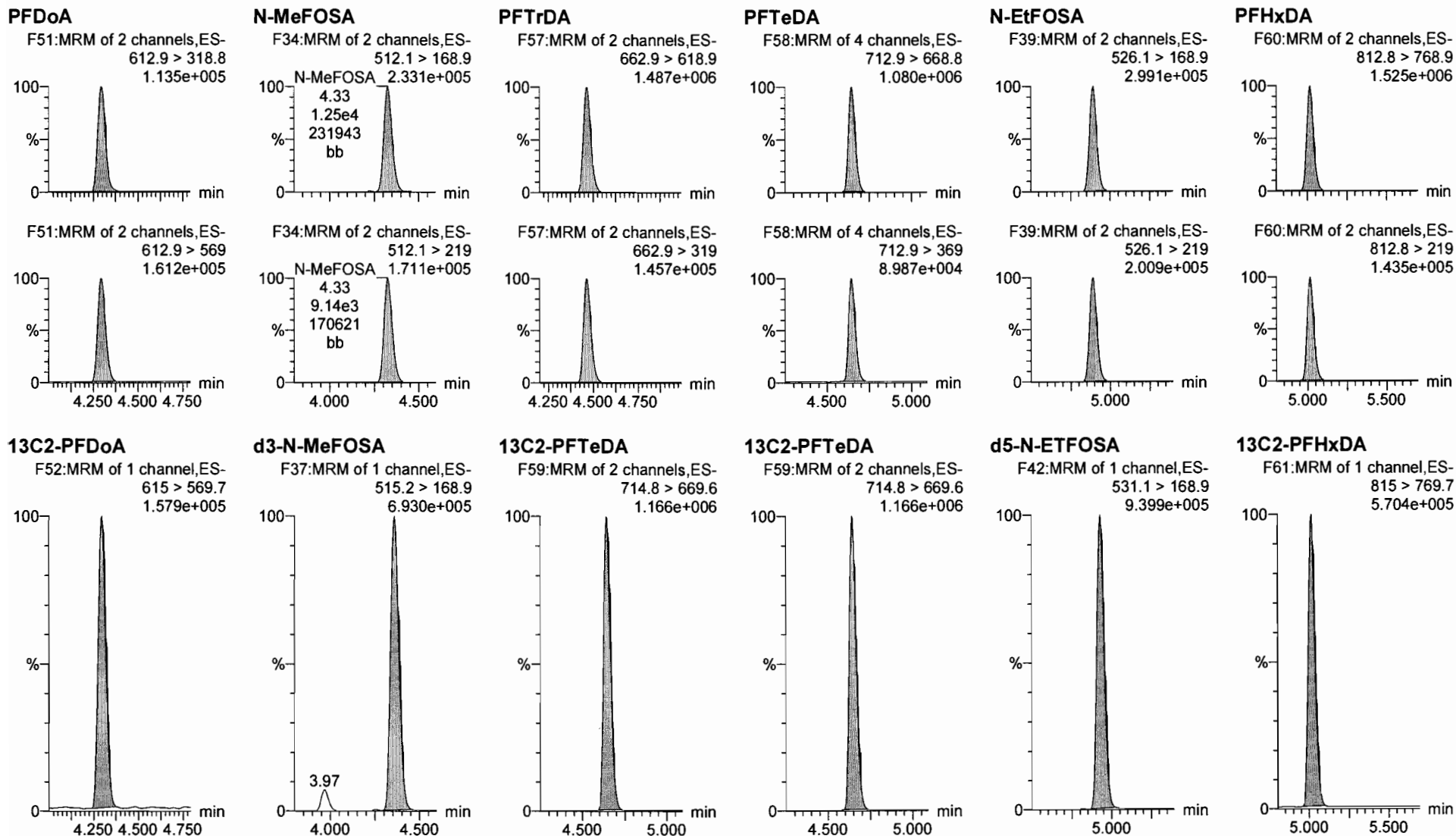


Dataset: U:\Q4.PRO\results\170815M1\170815M1-24.qld

Last Altered: Wednesday, August 16, 2017 09:50:12 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:50:43 Pacific Daylight Time

Name: 170815M1_24, Date: 15-Aug-2017, Time: 17:28:57, ID: ST170815M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

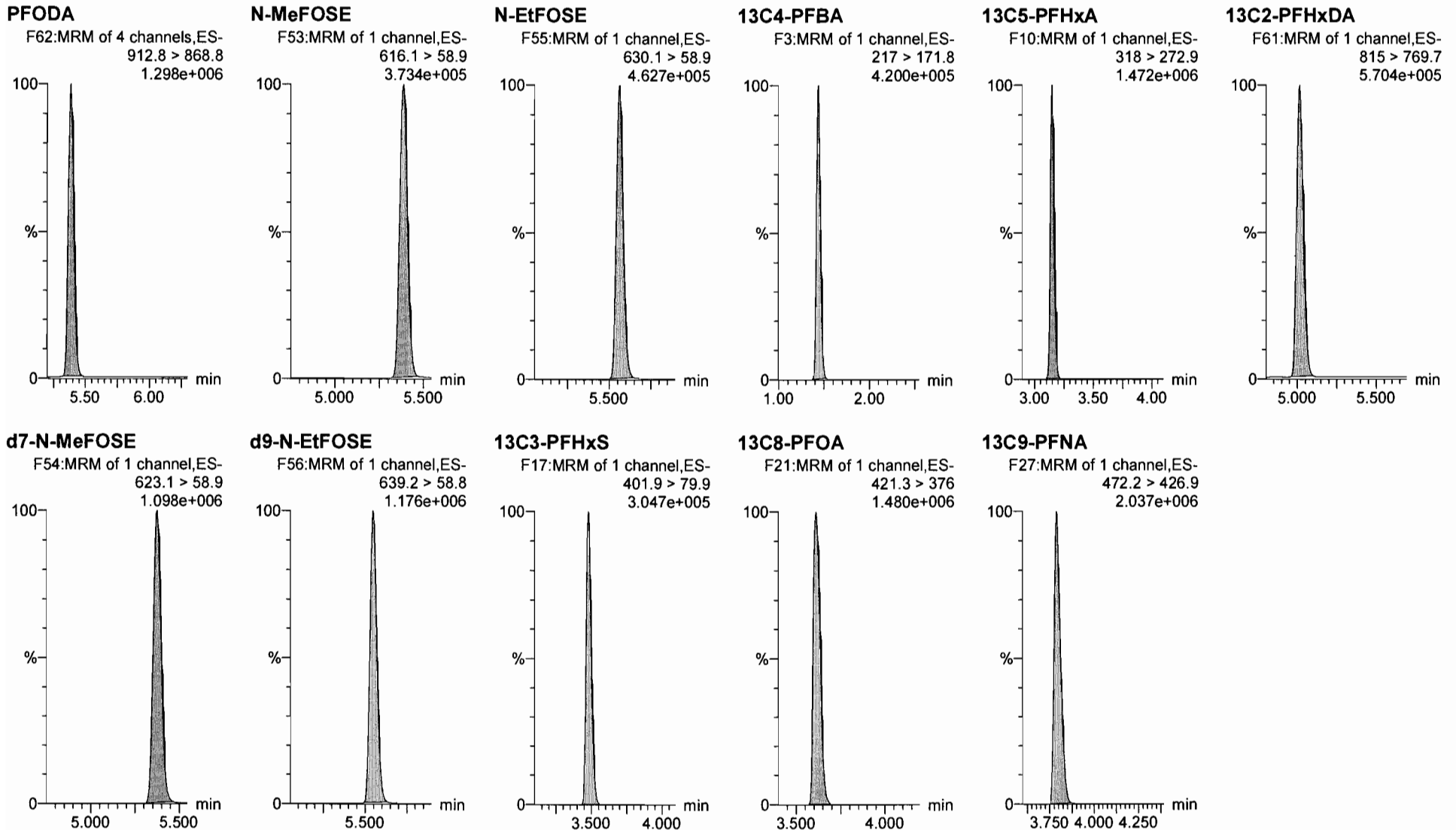


Dataset: U:\Q4.PRO\results\170815M1\170815M1-24.qld

Last Altered: Wednesday, August 16, 2017 09:50:12 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:50:43 Pacific Daylight Time

Name: 170815M1_24, Date: 15-Aug-2017, Time: 17:28:57, ID: ST170815M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301



Dataset: U:\Q4.PRO\results\170815M1\170815M1-24.qld

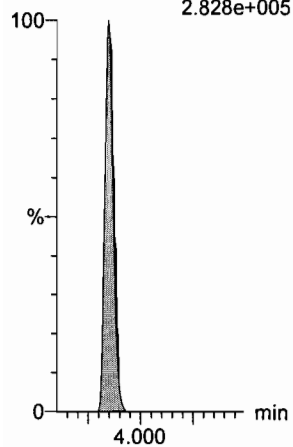
Last Altered: Wednesday, August 16, 2017 09:50:12 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:50:43 Pacific Daylight Time

Name: 170815M1_24, Date: 15-Aug-2017, Time: 17:28:57, ID: ST170815M1-2 PFC CS3 17H1301, Description: PFC CS3 17H1301

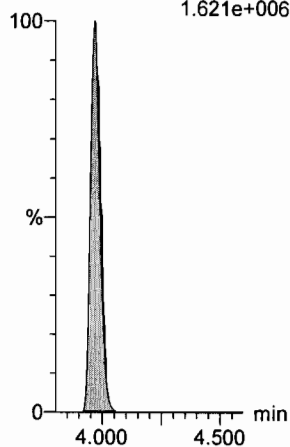
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.828e+005



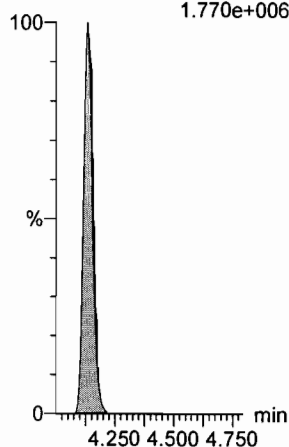
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.621e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.770e+006



Dataset: U:\Q4.PRO\results\170815M1\170815M1-42.qld

Last Altered: Wednesday, August 16, 2017 09:52:02 Pacific Daylight Time
Printed: Wednesday, August 16, 2017 09:52:34 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-16-17.mdb 16 Aug 2017 09:43:48
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170815M1_42, Date: 15-Aug-2017, Time: 20:42:31, ID: ST170815M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	Trace	Area	IS Resp	RRF	Wt./Vol	RT	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	17372.230	19614.084		1.000	1.45	10.09	100.93
2	2 PFPeA	263.1 > 218.9	28752.855	35527.645		1.000	2.72	10.60	106.00
3	3 PFBS	299 > 79.7	6126.807	4162.814		1.000	2.92	10.64	106.36
4	4 PFHxA	313.2 > 268.9	46500.266	16813.262		1.000	3.15	10.45	104.51
5	5 PFHpA	363 > 318.9	65404.547	66652.695		1.000	3.41	10.39	103.90
6	6 PFHxS	398.9 > 79.6	6957.408	5614.812		1.000	3.48	8.81	88.08
7	7 6:2 FTS	427.1 > 407	10752.384	12754.169		1.000	3.60	11.32	113.22
8	8 PFOA	413 > 368.7	70777.891	86244.422		1.000	3.62	10.31	103.09
9	9 PFHpS	448.9 > 98.8	6093.041	86244.422		1.000	3.68	11.13	111.32
10	10 PFNA	462.9 > 418.8	69809.664	75952.906		1.000	3.79	11.20	112.01
11	11 PFOSA	498.1 > 77.8	7606.469	8826.577		1.000	3.80	10.23	102.31
12	12 PFOS	499 > 79.9	11622.013	13614.604		1.000	3.85	10.04	100.41
13	13 PFDA	513 > 468.8	73271.844	65734.016		1.000	3.97	12.22	122.17
14	14 8:2 FTS	527 > 506.9	8810.162	7795.236		1.000	3.96	10.21	102.13
15	15 N-MeFOSAA	570.1 > 419	19604.828	17350.018		1.000	4.00	9.50	95.04
16	16 N-EtFOSAA	584.2 > 419	16106.939	17105.484		1.000	4.07	9.77	97.69
17	17 PFUnA	562.9 > 518.9	55781.629	90936.250		1.000	4.14	9.38	93.84
18	18 PFDS	598.9 > 98.7	4833.485	90936.250		1.000	4.18	8.01	80.08
19	19 PFDoA	612.9 > 318.8	5997.638	9290.701		1.000	4.30	9.63	96.29
20	20 N-MeFOSA	512.1 > 168.9	13087.983	37647.301		1.000	4.34	58.45	116.89
21	21 PFTTrDA	662.9 > 618.9	76432.227	9290.701		1.000	4.47	10.14	101.39
22	22 PFTeDA	712.9 > 668.8	51460.301	57815.531		1.000	4.65	9.72	97.20
23	23 N-EtFOSA	526.1 > 168.9	16193.625	50671.680		1.000	4.90	54.08	108.17
24	24 PFHxDA	812.8 > 768.9	73595.906	26761.512		1.000	5.03	9.48	94.77
25	25 PFODA	912.8 > 868.8	67878.102	26761.512		1.000	5.40	9.90	98.98
26	26 N-MeFOSE	616.1 > 58.9	19431.281	58117.441		1.000	5.39	53.87	107.74
27	27 N-EtFOSE	630.1 > 58.9	22165.346	57058.199		1.000	5.57	54.86	109.72
28	28 13C3-PFBA	216.1 > 171.8	19614.084	21500.596	0.906	1.000	1.45	12.59	100.71
29	29 13C3-PFPeA	266 > 221.8	35527.645	57062.938	0.284	1.000	2.72	10.97	87.72
30	30 13C3-PFBS	302 > 98.8	4162.814	57062.938	0.033	1.000	2.92	11.09	88.75
31	31 13C2-PFHxA	315 > 269.8	16813.262	57062.938	0.304	1.000	3.15	4.85	97.04

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Dataset: U:\Q4.PRO\results\170815M1\170815M1-42.qld

Last Altered: Wednesday, August 16, 2017 09:52:02 Pacific Daylight Time
Printed: Wednesday, August 16, 2017 09:52:34 Pacific Daylight Time

Name: 170815M1_42, Date: 15-Aug-2017, Time: 20:42:31, ID: ST170815M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301

#	Name	Trace	Area	IS Resp	RRF	Wt./Vol	RT	Conc.	%Rec
32	13C4-PFHpA	367.2 > 321.8	66652.695	57062.938	0.384	1.000	3.41	15.21	121.65
33	18O2-PFHxS	403 > 102.6	5614.812	13246.498	0.417	1.000	3.48	12.70	101.62
34	13C2-6:2 FTS	429.1 > 408.9	12754.169	77958.547	0.202	1.000	3.60	10.14	81.10
35	13C2-PFOA	414.9 > 369.7	86244.422	77958.547	1.132	1.000	3.61	12.21	97.71
36	13C5-PFNA	468.2 > 422.9	75952.906	79797.203	0.946	1.000	3.79	12.58	100.61
37	13C8-PFOA	506.1 > 77.7	8826.577	85958.680	0.119	1.000	3.80	10.75	85.99
38	13C8-PFOS	507 > 79.9	13614.604	13268.856	1.040	1.000	3.85	12.33	98.67
39	13C2-PFDA	515.1 > 469.9	65734.016	79258.961	0.971	1.000	3.97	10.68	85.43
40	13C2-8:2 FTS	529.1 > 508.7	7795.236	79258.961	0.140	1.000	3.96	8.76	70.11
41	d3-N-MeFOSAA	573.3 > 419	17350.018	85958.680	0.018	1.000	4.00	141.83	87.28
42	d5-N-EtFOSAA	589.3 > 419	17105.484	85958.680	0.018	1.000	4.07	136.44	83.96
43	13C2-PFUnA	565 > 519.8	90936.250	85958.680	1.085	1.000	4.14	12.19	97.49
44	13C2-PFDoA	615 > 569.7	9290.701	85958.680	0.123	1.000	4.30	10.97	87.78
45	d3-N-MeFOSA	515.2 > 168.9	37647.301	85958.680	0.043	1.000	4.37	126.53	84.35
46	13C2-PFTeDA	714.8 > 669.6	57815.531	85958.680	0.798	1.000	4.65	10.54	84.31
47	d5-N-ETFOSA	531.1 > 168.9	50671.680	85958.680	0.056	1.000	4.94	132.34	88.23
48	13C2-PFHxDA	815 > 769.7	26761.512	85958.680	0.926	1.000	5.03	4.20	84.01
49	d7-N-MeFOSE	623.1 > 58.9	58117.441	85958.680	0.059	1.000	5.38	142.17	94.78
50	d9-N-EtFOSE	639.2 > 58.8	57058.199	85958.680	0.059	1.000	5.55	139.50	93.00
51	13C4-PFBA	217 > 171.8	21500.596	21500.596	1.000	1.000	1.45	12.50	100.00
52	13C5-PFHxA	318 > 272.9	57062.938	57062.938	1.000	1.000	3.15	5.00	100.00
53	13C3-PFHxS	401.9 > 79.9	13246.498	13246.498	1.000	1.000	3.48	12.50	100.00
54	13C8-PFOA	421.3 > 376	77958.547	77958.547	1.000	1.000	3.61	12.50	100.00
55	13C9-PFNA	472.2 > 426.9	79797.203	79797.203	1.000	1.000	3.80	12.50	100.00
56	13C4-PFOS	503 > 79.9	13268.856	13268.856	1.000	1.000	3.85	12.50	100.00
57	13C6-PFDA	519.1 > 473.7	79258.961	79258.961	1.000	1.000	3.97	12.50	100.00
58	13C7-PFUnA	570.1 > 524.8	85958.680	85958.680	1.000	1.000	4.14	12.50	100.00

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Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
 Last Modified: Tuesday, August 15, 2017 13:50:57 Pacific Daylight Time
 Printed: Tuesday, August 15, 2017 13:51:10 Pacific Daylight Time

File Name	RS OK=X	Sample ID	File Text	User	Divisor 1	Bottle	Sample Type
1	---	IPA	IPA		1.0000	1:48	Blank
2	X	ST170815M1-1 PFC CS0 17H1302	PFC CS0 17H1302		1.0000	1:1	Analyte
3	---	IPA	IPA		1.0000	1:48	Blank
4	-	B7H0078-BS1 OPR 0.125	OPR		0.1250	1:15	Analyte
5	---	IPA	IPA		1.0000	1:48	Blank
6	-	B7H0078-BLK1 Method Blank 0.125	Method Blank		0.1250	1:16	Analyte
7	-	B7H0078-MS1 Matrix Spike 0.125	Matrix Spike		0.1250	1:17	Analyte
8	-	B7H0078-MSD1 Matrix Spike Dup 0.125	Matrix Spike Dup		0.1250	1:18	Analyte
9	-	1700907-04RE1@20 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300		0.1205	1:33	Analyte
10	---	IPA	IPA		1.0000	1:48	Blank
11	-	1700862-01RE1 WS 252 0.00025	WS 252		0.0003	1:19	Analyte
12	-	1700907-04RE1 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300		0.1205	1:20	Analyte
13	---	IPA	IPA		1.0000	1:48	Blank
14	-	1701031-01 BANGR-03-GW-TW03-080817 0.125	BANGR-03-GW-TW03-080817		0.1250	1:21	Analyte
15	-	1701031-02 BANGR-05-GW-TW05-080817 0.125	BANGR-05-GW-TW05-080817		0.1250	1:22	Analyte
16	-	1701031-03 BANGR-06-GW-TW06-080917 0.125	BANGR-06-GW-TW06-080917		0.1250	1:23	Analyte
17	-	1701031-04 BANGR-12-GW-TW12-080817 0.125	BANGR-12-GW-TW12-080817		0.1250	1:24	Analyte
18	-	1701034-01 SB01-20170808 0.125	SB01-20170808		0.1250	1:25	Analyte
19	-	1701034-02 Site1-GW-01TW03-20170808 0.125	Site1-GW-01TW03-20170808		0.1250	1:26	Analyte
20	-	1701034-03 Site1-GW-01TW01-20170808 0.125	Site1-GW-01TW01-20170808		0.1250	1:27	Analyte
21	-	1701034-04 Site1-GW-FD01-20170808 0.125	Site1-GW-FD01-20170808		0.1250	1:28	Analyte
22	-	1701034-05 EB01-20170808 0.125	EB01-20170808		0.1250	1:29	Analyte
23	---	IPA	IPA		1.0000	1:48	Blank
24	X	ST170815M1-2 PFC CS3 17H1301	PFC CS3 17H1301		1.0000	1:2	Analyte
25	---	IPA	IPA		1.0000	1:48	Blank
26	-	1701034-06 Site1-GW-01TW02-20170808 0.125	Site1-GW-01TW02-20170808		0.1250	1:30	Analyte
27	-	1701038-01 OC-PFC-MW04R-0817 0.125	OC-PFC-MW04R-0817		0.1250	1:31	Analyte
28	-	1701038-02 OC-PFC-EB081017 0.125	OC-PFC-EB081017		0.1250	1:32	Analyte
29	---	IPA	IPA		1.0000	1:48	Blank
30	X	ST170815M1-3 PFC CS3 17H1301	PFC CS3 17H1301		1.0000	1:2	Analyte
31	---	IPA	IPA		1.0000	1:48	Blank

Ⓐ Re-injected because ITS AREA was at the 1st time. on 8/15/17
 Ⓑ Instrument paused to adjust windows. on 8/15/17
 Ⓒ Instrument paused to load sample on tray. on 8/15/17

on 8/15/17

Ⓓ W015 OK samples added, see corrected.

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
 Last Modified: Tuesday, August 15, 2017 17:54:39 Pacific Daylight Time
 Printed: Tuesday, August 15, 2017 17:55:26 Pacific Daylight Time

File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
1 170815M1_1	---	IPA	IPA	1.0000	1:48	Blank
2 170815M1_2	X	ST170815M1-1 PFC CS0 17H1302	PFC CS0 17H1302	1.0000	1:1	Analyte
3 170815M1_3	---	IPA	IPA	1.0000	1:48	Blank
4 170815M1_4	-	B7H0078-BS1 OPR 0.125	OPR	0.1250	1:15	Analyte
5 170815M1_5	---	IPA	IPA	1.0000	1:48	Blank
6 170815M1_6	-	B7H0078-BLK1 Method Blank 0.125	Method Blank	0.1250	1:16	Analyte
7 170815M1_7	-	B7H0078-MS1 Matrix Spike 0.125	Matrix Spike	0.1250	1:17	Analyte
8 170815M1_8	-	B7H0078-MSD1 Matrix Spike Dup 0.125	Matrix Spike Dup	0.1250	1:18	Analyte
9 170815M1_9	-	1700907-04RE1@20 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:33	Analyte
10 170815M1_10	---	IPA	IPA	1.0000	1:48	Blank
11 170815M1_11	-	1700862-01RE1 WS 252 0.00025	WS 252	0.0003	1:19	Analyte
12 170815M1_12	-	1700907-04RE1 AT028-MW17-06-071717-1300 0.12053	AT028-MW17-06-071717-1300	0.1205	1:20	Analyte
13 170815M1_13	---	IPA	IPA	1.0000	1:48	Blank
14 170815M1_14	-	1701031-01 BANGR-03-GW-TW03-080817 0.125	BANGR-03-GW-TW03-080817	0.1250	1:21	Analyte
15 170815M1_15	-	1701031-02 BANGR-05-GW-TW05-080817 0.125	BANGR-05-GW-TW05-080817	0.1250	1:22	Analyte
16 170815M1_16	-	1701031-03 BANGR-06-GW-TW06-080917 0.125	BANGR-06-GW-TW06-080917	0.1250	1:23	Analyte
17 170815M1_17	-	1701031-04 BANGR-12-GW-TW12-080817 0.125	BANGR-12-GW-TW12-080817	0.1250	1:24	Analyte
18 170815M1_18	-	1701034-01 SB01-20170808 0.125	SB01-20170808	0.1250	1:25	Analyte
19 170815M1_19	-	1701034-02 Site1-GW-01TW03-20170808 0.125	Site1-GW-01TW03-20170808	0.1250	1:26	Analyte
20 170815M1_20	-	1701034-03 Site1-GW-01TW01-20170808 0.125	Site1-GW-01TW01-20170808	0.1250	1:27	Analyte
21 170815M1_21	-	1701034-04 Site1-GW-FD01-20170808 0.125	Site1-GW-FD01-20170808	0.1250	1:28	Analyte
22 170815M1_22	-	1701034-05 EB01-20170808 0.125	EB01-20170808	0.1250	1:29	Analyte
23 170815M1_23	---	IPA	IPA	1.0000	1:48	Blank
24 170815M1_24	X	ST170815M1-2 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
25 170815M1_25	---	IPA	IPA	1.0000	1:48	Blank
26 170815M1_26	-	1701034-06 Site1-GW-01TW02-20170808 0.125	Site1-GW-01TW02-20170808	0.1250	1:30	Analyte
27 170815M1_27	-	1701038-01 OC-PFC-MW04R-0817 0.125	OC-PFC-MW04R-0817	0.1250	1:31	Analyte
28 170815M1_28	-	1701038-02 OC-PFC-EB081017 0.125	OC-PFC-EB081017	0.1250	1:32	Analyte
29 170815M1_29	---	B7H0035-BS1 OPR 0.125	OPR	0.1250	1:33	Analyte
30 170815M1_30	---	IPA	IPA	1.0000	1:48	Blank
31 170815M1_31	---	B7H0035-BLK1 Method Blank 0.125	Method Blank	0.1250	1:34	Analyte
32 170815M1_32	---	B7H0035-MS1 Matrix Spike 0.11511	Matrix Spike	0.1151	1:35	Analyte
33 170815M1_33	---	B7H0035-MSD1 Matrix Spike Dup 0.11806	Matrix Spike Dup	0.1181	1:36	Analyte
34 170815M1_34	---	1700980-01 IR09MW61A-080217 0.10744	IR09MW61A-080217	0.1074	1:37	Analyte
35 170815M1_35	---	1700980-02 IR09MW62A-080217 0.11271	IR09MW62A-080217	0.1127	1:38	Analyte
36 170815M1_36	---	IPA	IPA	0.1127	1:39	Analyte
37 170815M1_37	---	1700980-03 IR09P040A-080217 0.11721	IR09P040A-080217	0.1172	1:40	Analyte
38 170815M1_38	---	1700980-04 IR10MW28A-080217 0.1175	IR10MW28A-080217	0.1175	1:41	Analyte
39 170815M1_39	---	1700980-05 080217-FB-01 0.12184	080217-FB-01	0.1218	1:42	Analyte
40 170815M1_40	---	1700980-06 IR10MW13A1-080217 0.12103	IR10MW13A1-080217	0.1210	1:43	Analyte

Work Order 170815M1 instrument paused to load samples on 8/15/17

am 8/15/17

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
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	File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
41	170815M1_41	---	IPA	IPA	1.0000	1:48	Blank
42	170815M1_42	X	ST170815M1-3 PFC CS3 17H1301	PFC CS3 17H1301	1.0000	1:2	Analyte
43	170815M1_43	---	IPA	IPA	1.0000	1:48	Blank
44	170815M1_44	---	1700980-07 IR10MW31A1-080217 0.12279	IR10MW31A1-080217	0.1228	1:44	Analyte
45	170815M1_45	---	1700980-08 IR10MW31A1-080217-D 0.11964	IR10MW31A1-080217-D	0.1196	1:45	Analyte
46	170815M1_46	---	1700980-09 080217-ER-01 0.11911	080217-ER-01	0.1191	1:46	Analyte
47	170815M1_47	---	1700980-10 080217-SB-01 0.11909	080217-SB-01	0.1191	1:47	Analyte
48	170815M1_48	---	IPA	IPA	0.1093	2:1	Analyte
49	170815M1_49	---	B7H0066-BS1 OPR 0.125	OPR	0.1250	2:2	Analyte
50	170815M1_50	---	B7H0069-BS1 OPR 0.25	OPR	0.2500	2:3	Analyte
51	170815M1_51	---	IPA	IPA	1.0000	1:48	Blank
52	170815M1_52	---	B7H0066-BLK1 Method Blank 0.125	Method Blank	0.1250	2:4	Analyte
53	170815M1_53	---	B7H0069-BLK1 Method Blank 0.25	Method Blank	0.2500	2:5	Analyte
54	170815M1_54	---	B7H0066-MS1 Matrix Spike 0.11555	Matrix Spike	0.1156	2:6	Analyte
55	170815M1_55	---	B7H0066-MSD1 Matrix Spike Dup 0.11567	Matrix Spike Dup	0.1157	2:7	Analyte
56	170815M1_56	---	B7H0066-MS2 Matrix Spike 0.11836	Matrix Spike	0.1184	2:8	Analyte
57	170815M1_57	---	B7H0066-MSD2 Matrix Spike Dup 0.11729	Matrix Spike Dup	0.1173	2:9	Analyte
58	170815M1_58	---	B7H0069-MS1 Matrix Spike 0.1193	Matrix Spike	0.1193	2:10	Analyte
59	170815M1_59	---	B7H0069-MSD1 Matrix Spike Dup 0.11433	Matrix Spike Dup	0.1143	2:11	Analyte
60	170815M1_60	---	1701011-01 06302140000900_2017 0.11617	06302140000900_2017	0.1162	2:12	Analyte
61	170815M1_61	---	1701011-02 06302140002050_2017 0.11859	06302140002050_2017	0.1186	2:13	Analyte
62	170815M1_62	---	1701011-03 06302140002100_2017 0.11904	06302140002100_2017	0.1190	2:14	Analyte
63	170815M1_63	---	1701011-04 06302810002200_2017 0.11477	06302810002200_2017	0.1148	2:15	Analyte
64	170815M1_64	---	1701011-05 064W5000002700_2017 0.11543	064W5000002700_2017	0.1154	2:16	Analyte
65	170815M1_65	---	1701011-06 FD-01 0.12004	FD-01	0.1200	2:17	Analyte
66	170815M1_66	---	1701011-07 FD-02 0.11727	FD-02	0.1173	2:18	Analyte
67	170815M1_67	---	IPA	IPA	1.0000	1:48	Blank
68	170815M1_68	X	ST170815M1-4 PFC CS0 17H1504	PFC CS0 17H1504	1.0000	1:3	Analyte
69	170815M1_69	---	IPA	IPA	1.0000	1:48	Blank
70	170815M1_70	---	1701011-08 06302130001200_2017 0.12215	06302130001200_2017	0.1221	2:19	Analyte
71	170815M1_71	---	1701011-09 06302130001400A_2017 0.12023	06302130001400A_2017	0.1202	2:20	Analyte
72	170815M1_72	---	1701011-10 06302810001500_B_2017 0.11695	06302810001500_B_2017	0.1170	2:21	Analyte
73	170815M1_73	---	1701011-11 6302840007000_2017 0.11166	6302840007000_2017	0.1117	2:22	Analyte
74	170815M1_74	---	1701011-12 FD-03 0.11337	FD-03	0.1134	2:23	Analyte
75	170815M1_75	---	1701011-13 FD-04 0.12051	FD-04	0.1205	2:24	Analyte
76	170815M1_76	---	1701011-14 FD-05 0.11946	FD-05	0.1195	2:25	Analyte
77	170815M1_77	---	1701011-15 06302720002300_2017 0.11523	06302720002300_2017	0.1152	2:26	Analyte
78	170815M1_78	---	1701011-16 06302720002500_2017-C 0.10939	06302720002500_2017-C	0.1094	2:27	Analyte
79	170815M1_79	---	1701011-17 06302720002800_2017 0.11111	06302720002800_2017	0.1111	2:28	Analyte
80	170815M1_80	---	IPA	IPA	1.0000	1:48	Blank

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
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File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type	
81	170815M1_81	X	ST170815M1-5 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
82	170815M1_82	---	IPA	IPA	1.0000	1:48	Blank
83	170815M1_83	---	1701011-18 06302810001500_A_2017 0.11512	06302810001500_A_2017	0.1151	2:29	Analyte
84	170815M1_84	---	1701011-19 Tr-Prk-Pub-Well-1_2017 0.11801	Tr-Prk-Pub-Well-1_2017	0.1180	2:30	Analyte
85	170815M1_85	---	1701011-20 Tr-Prk-Pub-Well-2_2017 0.11847	Tr-Prk-Pub-Well-2_2017	0.1185	2:31	Analyte
86	170815M1_86	---	1701013-01 06302720002600_2017 0.11643	06302720002600_2017	0.1164	2:32	Analyte
87	170815M1_87	---	1701013-02 06302720002900_2017 0.11676	06302720002900_2017	0.1168	2:33	Analyte
88	170815M1_88	---	1701013-03 06302810000600_2017 0.12244	06302810000600_2017	0.1224	2:34	Analyte
89	170815M1_89	---	1701013-04 064A300000100_2017 0.1166	064A300000100_2017	0.1166	2:35	Analyte
90	170815M1_90	---	1701013-05 064A3500005900_2017 0.12037	064A3500005900_2017	0.1204	2:36	Analyte
91	170815M1_91	---	1701013-06 5673_F41_2017 0.12174	5673_F41_2017	0.1217	2:37	Analyte
92	170815M1_92	---	1701013-07 06302140002250_2017 0.12148	06302140002250_2017	0.1215	2:38	Analyte
93	170815M1_93	---	IPA	IPA	1.0000	1:48	Blank
94	170815M1_94	X	ST170815M1-6 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
95	170815M1_95	---	IPA	IPA	1.0000	1:48	Blank
96	170815M1_96	---	1701013-08 06302810001010_2017 0.1142	06302810001010_2017	0.1142	2:39	Analyte
97	170815M1_97	---	1701013-09 064P5000001700_2017 0.12061	064P5000001700_2017	0.1206	2:40	Analyte
98	170815M1_98	---	1701013-10 064V5000000200_2017 0.11516	064V5000000200_2017	0.1152	2:41	Analyte
99	170815M1_99	---	1701013-11 LabDI_2017 0.11964	LabDI_2017	0.1196	2:42	Analyte
100	170815M1_100	---	1701022-01 Lagoon (420-124769-1) 0.24019	Lagoon (420-124769-1)	0.2402	2:43	Analyte
101	170815M1_101	---	1701023-01 SB01-20170807 0.11872	SB01-20170807	0.1187	2:44	Analyte
102	170815M1_102	---	1701023-02 EB01-20170807 0.11734	EB01-20170807	0.1173	2:45	Analyte
103	170815M1_103	---	1701023-03 OUA1-MW08-20170807 0.1175	OUA1-MW08-20170807	0.1175	2:46	Analyte
104	170815M1_104	---	1701023-04 OUA1-HS03-20170807 0.11075	OUA1-HS03-20170807	0.1108	2:47	Analyte
105	170815M1_105	---	1701023-05 EB02-20170808 0.11203	EB02-20170808	0.1120	2:48	Analyte
106	170815M1_106	---	IPA	IPA	1.0000	1:48	Blank
107	170815M1_107	X	ST170815M1-7 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
108	170815M1_108	---	IPA	IPA	1.0000	1:48	Blank
109	170815M1_109	---	B7H0086-BLK1 Method Blank 1	Method Blank	1.0000	1:5	Analyte
110	170815M1_110	---	B7H0086-BS1 OPR 1	OPR	1.0000	1:6	Analyte
111	170815M1_111	---	B7H0086-BS2 OPR 1	OPR	1.0000	1:7	Analyte
112	170815M1_112	---	B7H0086-BS3 OPR 1	OPR	1.0000	1:8	Analyte
113	170815M1_113	---	B7H0086-BS4 OPR 1	OPR	1.0000	1:9	Analyte
114	170815M1_114	---	B7H0086-BS5 OPR 1	OPR	1.0000	1:10	Analyte
115	170815M1_115	---	1700813-01 RE1 LOD/LOQ Full List DoD 3Q17	LOD/LOQ Full List DoD 3Q17	1.0000	1:11	Analyte
116	170815M1_116	---	IPA	IPA	1.0000	1:48	Blank
117	170815M1_117	X	ST170815M1-8 PFC CS3 17H1505	PFC CS3 17H1505	1.0000	1:4	Analyte
118	170815M1_118	---	IPA	IPA	1.0000	1:48	Blank
119	170815M1_119	---	170814_1034_3	170814_1034_3	1.0000	1:12	Blank
120	170815M1_120	---	170814_1034_4	170814_1034_4	1.0000	1:13	Blank

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170815M1.SPL
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	File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
121	170815M1_121	---	170814_1034_6	170814_1034_6	1.0000	1:14	Blank
122	170815M1_122	---	IPA	IPA	1.0000	1:48	Blank
123	170815M1_123	---	125ml 1:1 ACN/MeOH	125ml 1:1 ACN/MeOH	1.0000	1:15	Blank
124	170815M1_124	---	125ml MeOH Rinse 1	125ml MeOH Rinse 1	1.0000	1:16	Blank
125	170815M1_125	---	125ml MeOH Rinse 2	125ml MeOH Rinse 2	1.0000	1:17	Blank
126	170815M1_126	---	IPA	IPA	1.0000	1:48	Blank

Dataset: U:\Q4.PRO\results\170815M1\170815M1-42.qld

Last Altered: Wednesday, August 16, 2017 09:52:02 Pacific Daylight Time

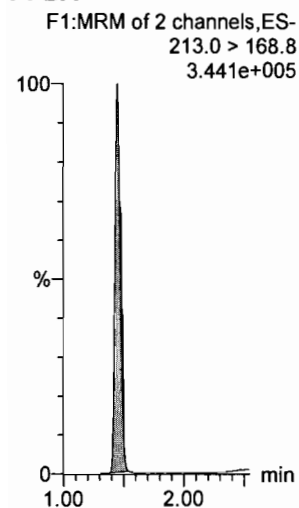
Printed: Wednesday, August 16, 2017 09:52:23 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-16-17.mdb 16 Aug 2017 09:43:48

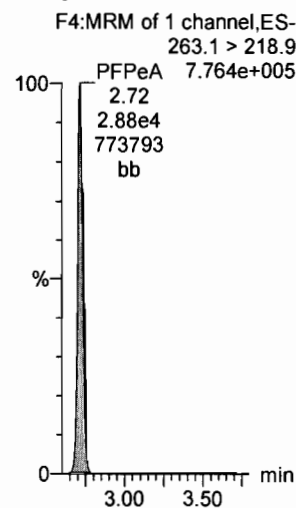
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170815M1_42, Date: 15-Aug-2017, Time: 20:42:31, ID: ST170815M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301

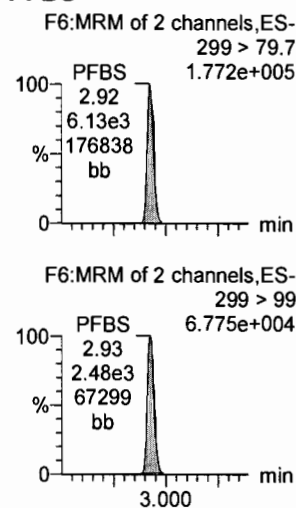
PFBA



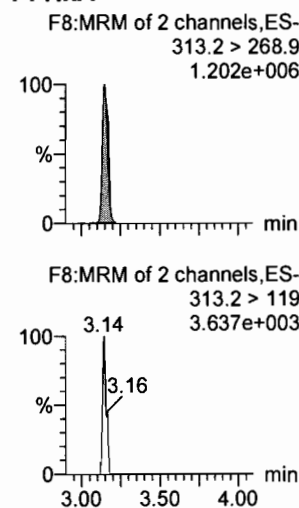
PFPeA



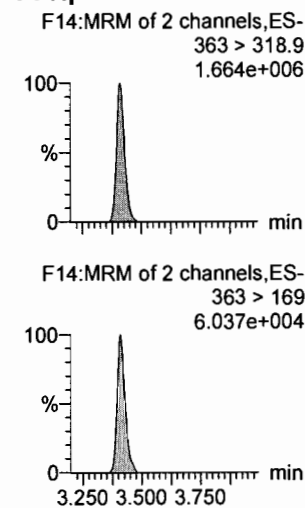
PFBS



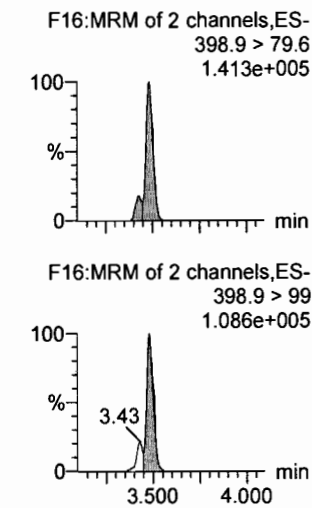
PFHxA



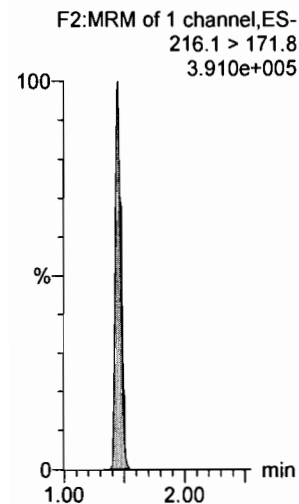
PFHpA



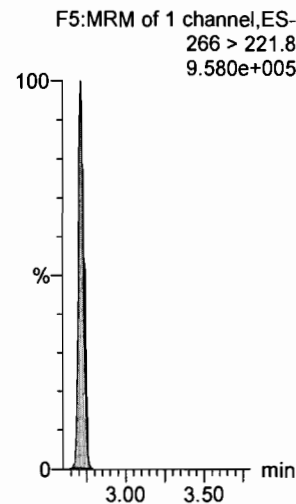
PFHxS



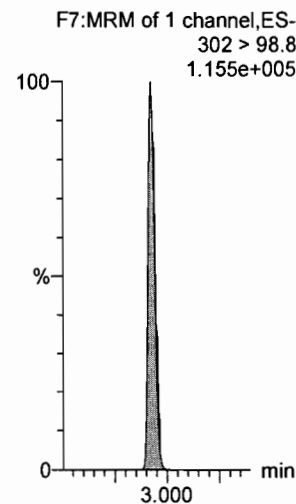
13C3-PFBA



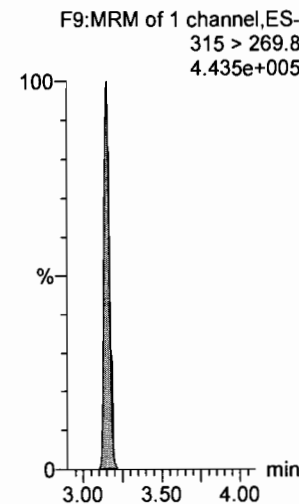
13C3-PFPeA



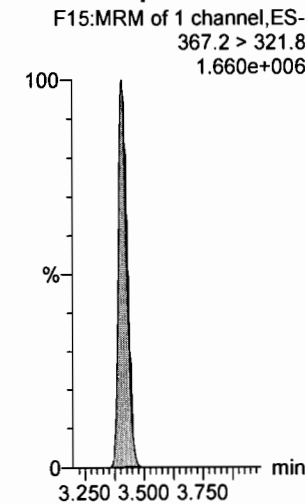
13C3-PFBS



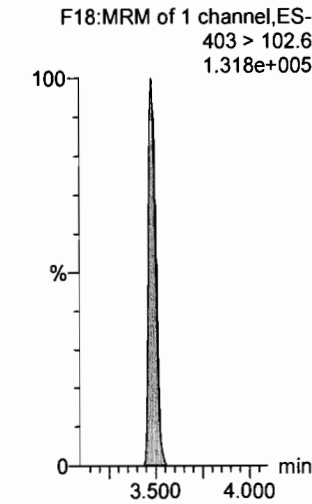
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

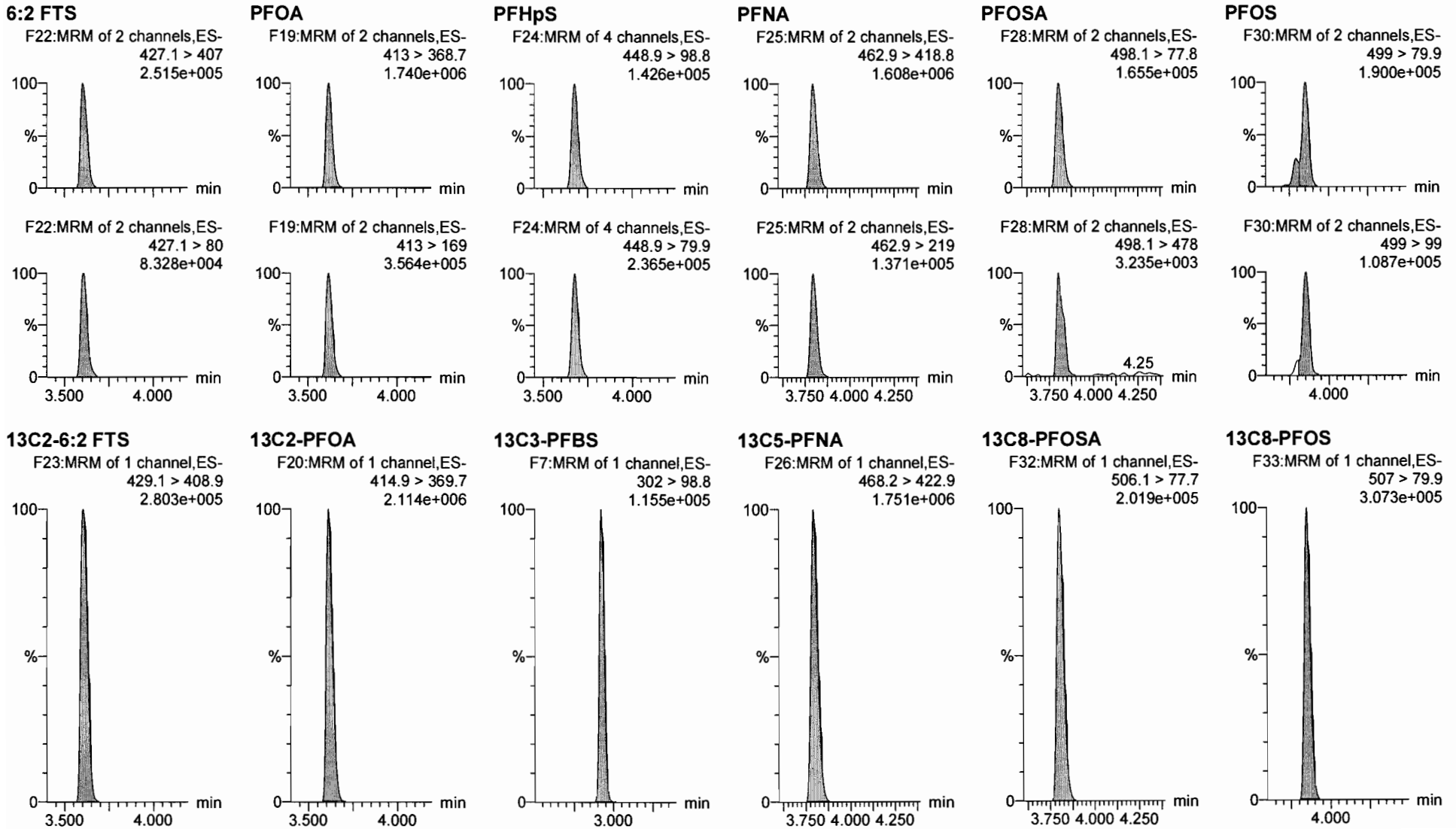


Dataset: U:\Q4.PRO\results\170815M1\170815M1-42.qld

Last Altered: Wednesday, August 16, 2017 09:52:02 Pacific Daylight Time

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Name: 170815M1_42, Date: 15-Aug-2017, Time: 20:42:31, ID: ST170815M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301



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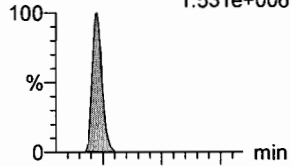
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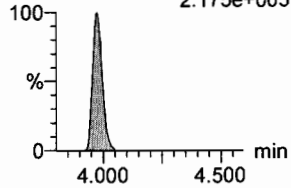
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PFDA

F35:MRM of 2 channels,ES-
513 > 468.8
1.531e+006

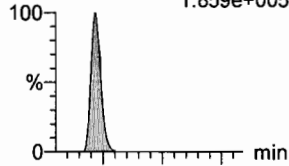


F35:MRM of 2 channels,ES-
513 > 219
2.175e+005

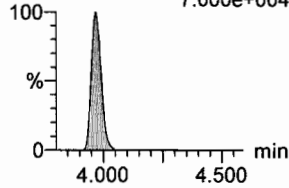


8:2 FTS

F40:MRM of 2 channels,ES-
527 > 506.9
1.859e+005

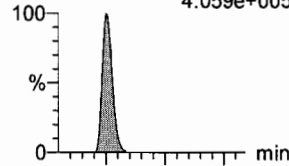


F40:MRM of 2 channels,ES-
527 > 80
7.000e+004

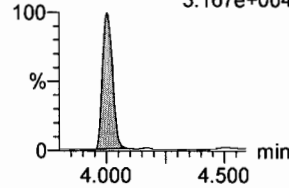


N-MeFOSAA

F45:MRM of 2 channels,ES-
570.1 > 419
4.059e+005

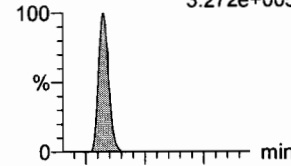


F45:MRM of 2 channels,ES-
570.1 > 483
3.167e+004

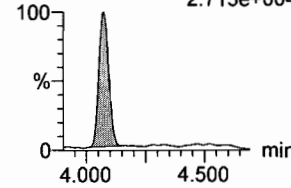


N-EtFOSAA

F48:MRM of 2 channels,ES-
584.2 > 419
3.272e+005

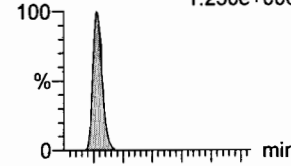


F48:MRM of 2 channels,ES-
584.2 > 483
2.715e+004

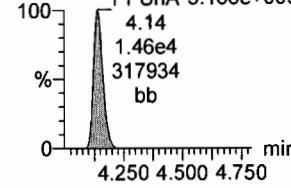


PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9
1.230e+006

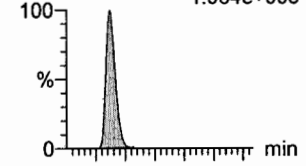


F43:MRM of 2 channels,ES-
562.9 > 269
3.188e+005

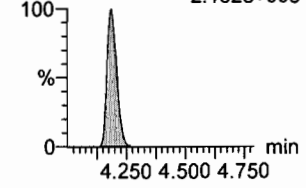


PFDS

F50:MRM of 2 channels,ES-
598.9 > 98.7
1.064e+005

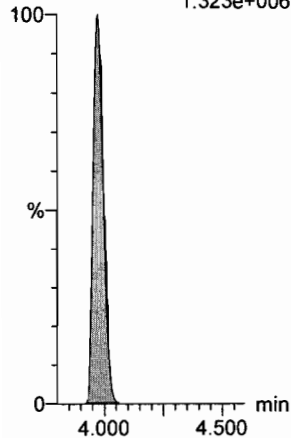


F50:MRM of 2 channels,ES-
598.9 > 80
2.162e+005



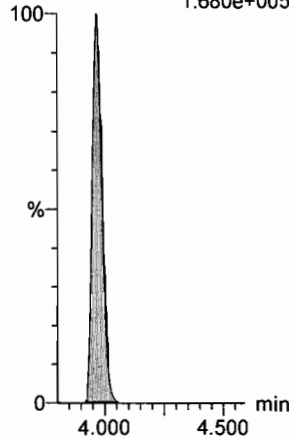
13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
1.323e+006



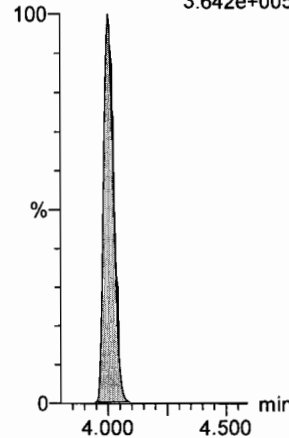
13C2-8:2 FTS

F41:MRM of 1 channel,ES-
529.1 > 508.7
1.680e+005



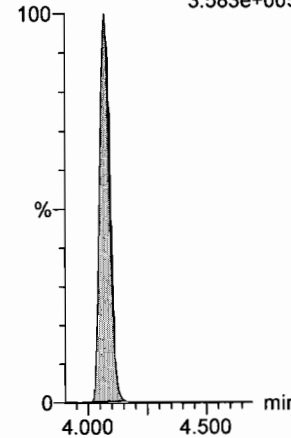
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419
3.642e+005



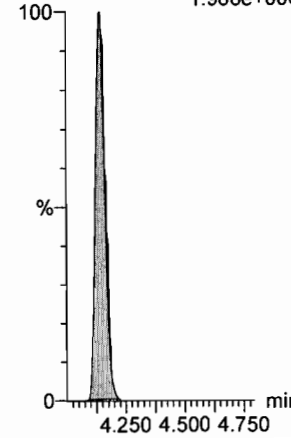
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419
3.583e+005



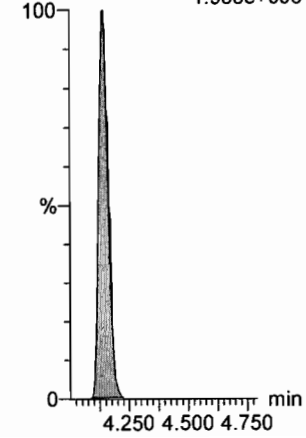
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
1.988e+006



13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
1.988e+006

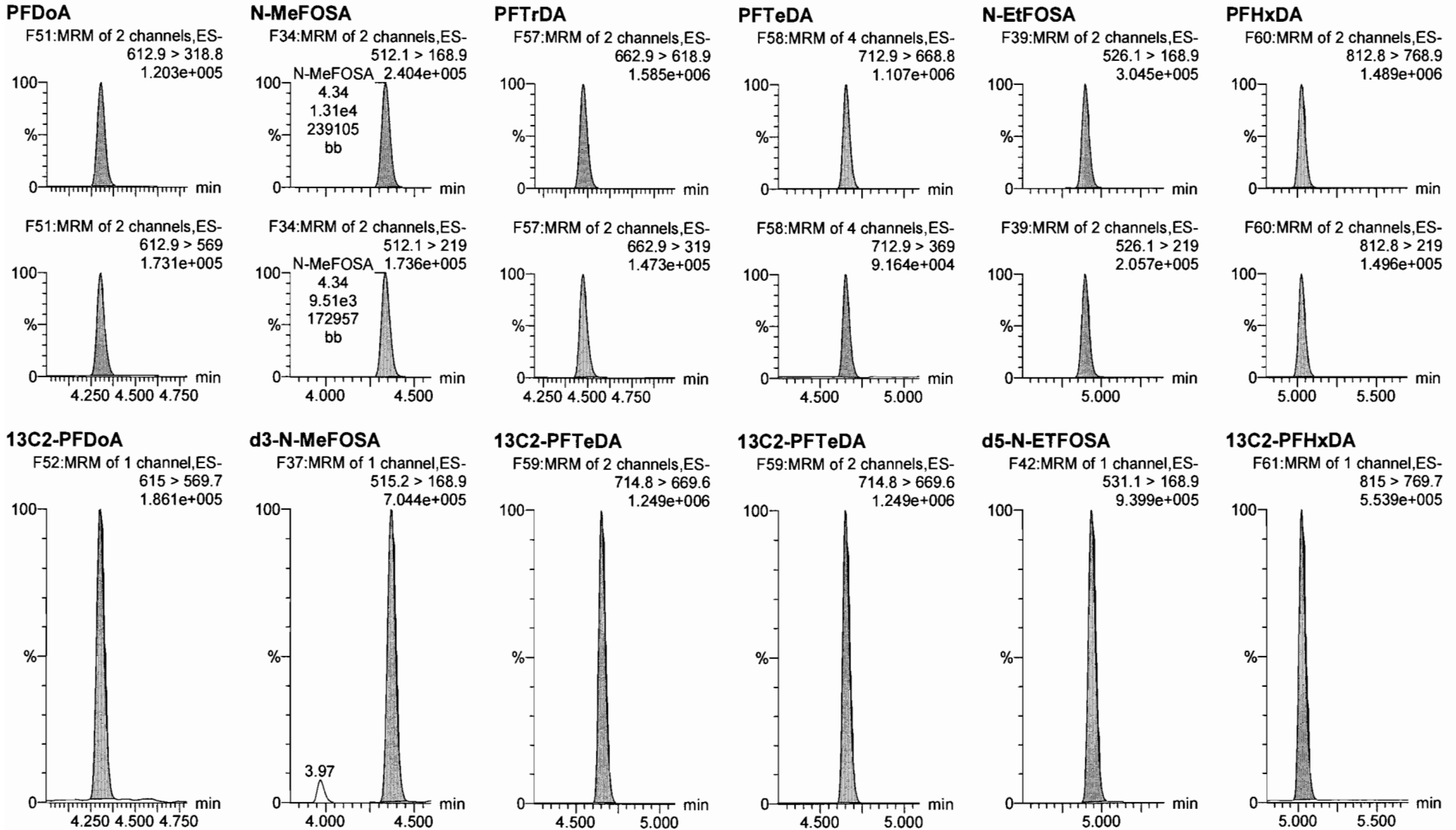


Dataset: U:\Q4.PRO\results\170815M1\170815M1-42.qld

Last Altered: Wednesday, August 16, 2017 09:52:02 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:52:23 Pacific Daylight Time

Name: 170815M1_42, Date: 15-Aug-2017, Time: 20:42:31, ID: ST170815M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301

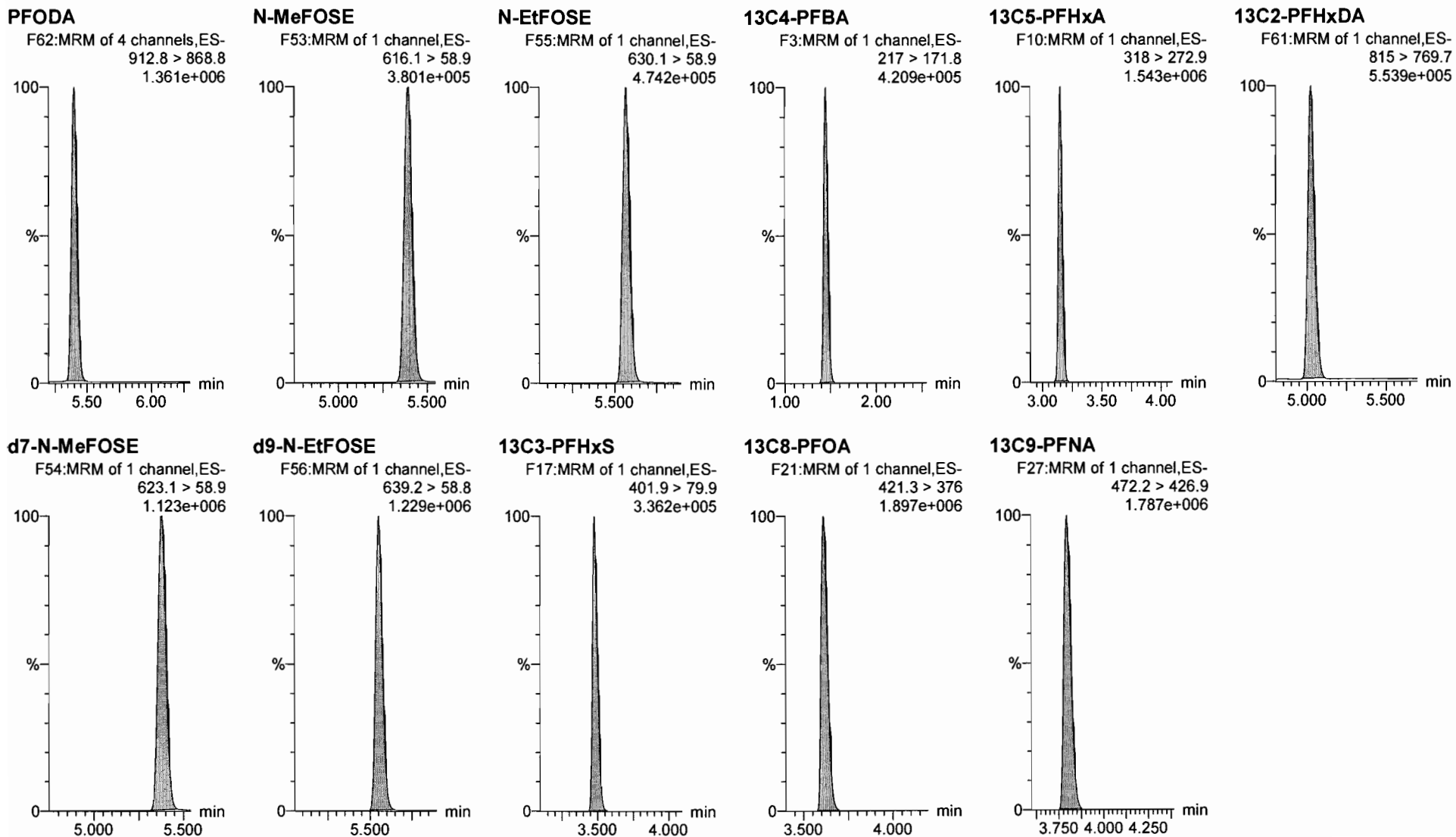


Dataset: U:\Q4.PRO\results\170815M1\170815M1-42.qld

Last Altered: Wednesday, August 16, 2017 09:52:02 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:52:23 Pacific Daylight Time

Name: 170815M1_42, Date: 15-Aug-2017, Time: 20:42:31, ID: ST170815M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301



Dataset: U:\Q4.PRO\results\170815M1\170815M1-42.qld

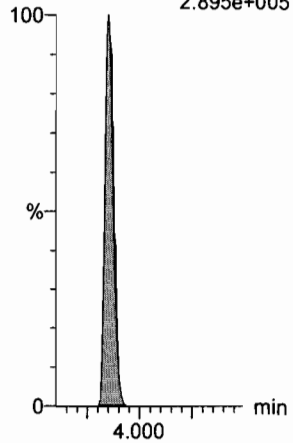
Last Altered: Wednesday, August 16, 2017 09:52:02 Pacific Daylight Time

Printed: Wednesday, August 16, 2017 09:52:23 Pacific Daylight Time

Name: 170815M1_42, Date: 15-Aug-2017, Time: 20:42:31, ID: ST170815M1-3 PFC CS3 17H1301, Description: PFC CS3 17H1301

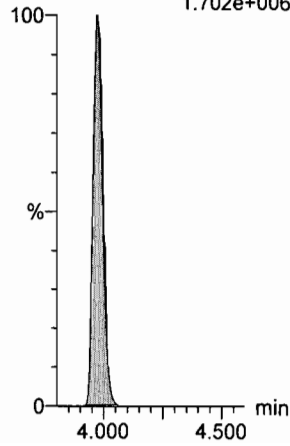
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.895e+005



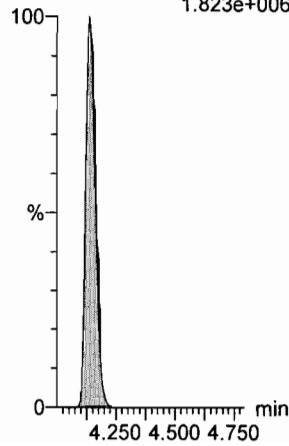
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.702e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.823e+006



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

Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time
 Printed: Friday, August 11, 2017 09:31:51 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-10-17.mdb 11 Aug 2017 08:55:25
 Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Compound name: PFBA

Coefficient of Determination: $R^2 = 0.999558$
 Calibration curve: $-0.000132012 * x^2 + 1.09237 * x + 0.0597566$
 Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

AM 8/11/17
AM 8/11/17

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	170810M2_2	Standard	0.250	1.92	424.371	15542.773	0.341	0.3	3.1	NO	1.000	NO	bb
2	170810M2_3	Standard	0.500	1.92	754.429	15666.696	0.602	0.5	-0.7	NO	1.000	NO	bb
3	170810M2_4	Standard	1.000	1.92	1618.036	16473.561	1.228	1.1	6.9	NO	1.000	NO	bb
4	170810M2_5	Standard	2.000	1.92	2982.913	15767.530	2.365	2.1	5.5	NO	1.000	NO	bb
5	170810M2_6	Standard	5.000	1.91	7409.122	16464.104	5.625	5.1	2.0	NO	1.000	NO	bb
6	170810M2_7	Standard	10.000	1.91	14834.788	16369.950	11.328	10.3	3.3	NO	1.000	NO	bb
7	170810M2_8	Standard	50.000	1.92	71756.844	16361.661	54.821	50.4	0.9	NO	1.000	NO	bb
8	170810M2_9	Standard	100.000	1.91	168270.703	18859.416	111.530	103.3	3.3	NO	1.000	NO	bb
9	170810M2_10	Standard	250.000	1.91	386171.219	18778.650	257.055	242.4	-3.1	NO	1.000	NO	bb
10	170810M2_11	Standard	500.000	1.90	760893.688	18418.195	516.401	503.3	0.7	NO	1.000	NO	bb

Compound name: PFPeA

Correlation coefficient: $r = 0.999003$, $r^2 = 0.998007$
 Calibration curve: $0.943317 * x + 0.117613$
 Response type: Internal Std (Ref 29), 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	170810M2_2	Standard	0.250	2.95	653.409	27880.619	0.293	0.2	-25.7	NO	0.998	NO	bb
2	170810M2_3	Standard	0.500	2.96	1172.739	28322.555	0.518	0.4	-15.2	NO	0.998	NO	bb
3	170810M2_4	Standard	1.000	2.95	2464.434	28875.371	1.067	1.0	0.6	NO	0.998	NO	bb
4	170810M2_5	Standard	2.000	2.95	4911.096	27712.795	2.215	2.2	11.2	NO	0.998	NO	bb
5	170810M2_6	Standard	5.000	2.95	12193.369	29315.059	5.199	5.4	7.7	NO	0.998	NO	bb
6	170810M2_7	Standard	10.000	2.96	24281.596	29802.102	10.185	10.7	6.7	NO	0.998	NO	bb
7	170810M2_8	Standard	50.000	2.95	116934.664	28667.293	50.988	53.9	7.9	NO	0.998	NO	bb
8	170810M2_9	Standard	100.000	2.95	277388.313	33506.395	103.483	109.6	9.6	NO	0.998	NO	bb
9	170810M2_10	Standard	250.000	2.94	605455.688	32021.633	236.346	250.4	0.2	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time
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Compound name: PFPeA

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 170810M2_11	Standard	500.000	2.94	1128645.625	30833.635	457.555	484.9	-3.0	NO	0.998	NO	bb

Compound name: PFBS

Correlation coefficient: $r = 0.999068$, $r^2 = 0.998137$
 Calibration curve: $1.7128 * x + 0.180452$
 Response type: Internal Std (Ref 30), 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 170810M2_2	Standard	0.250	3.11	130.566	3242.905	0.503	0.2	-24.6	NO	0.998	NO	MM
2	2 170810M2_3	Standard	0.500	3.11	260.774	3291.404	0.990	0.5	-5.4	NO	0.998	NO	bb
3	3 170810M2_4	Standard	1.000	3.11	535.091	3435.015	1.947	1.0	3.1	NO	0.998	NO	bb
4	4 170810M2_5	Standard	2.000	3.12	1039.628	3373.359	3.852	2.1	7.2	NO	0.998	NO	bb
5	5 170810M2_6	Standard	5.000	3.12	2403.595	3305.415	9.090	5.2	4.0	NO	0.998	NO	bb
6	6 170810M2_7	Standard	10.000	3.12	5112.701	3622.048	17.644	10.2	2.0	NO	0.998	NO	bb
7	7 170810M2_8	Standard	50.000	3.11	25072.861	3433.760	91.273	53.2	6.4	NO	0.998	NO	bb
8	8 170810M2_9	Standard	100.000	3.11	56239.211	3757.638	187.083	109.1	9.1	NO	0.998	NO	bb
9	9 170810M2_10	Standard	250.000	3.10	124185.078	3568.171	435.045	253.9	1.6	NO	0.998	NO	bb
10	10 170810M2_11	Standard	500.000	3.10	218811.797	3303.260	828.015	483.3	-3.3	NO	0.998	NO	bb

Compound name: PFHxA

Correlation coefficient: $r = 0.997990$, $r^2 = 0.995984$
 Calibration curve: $1.26213 * x + 0.638423$
 Response type: Internal Std (Ref 31), 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 170810M2_2	Standard	0.250	3.32	973.456	11232.063	0.433			NO	0.996	NO	bbXI
2	2 170810M2_3	Standard	0.500	3.32	1845.170	11474.060	0.804	0.1	-73.8	NO	0.996	NO	bbX
3	3 170810M2_4	Standard	1.000	3.33	3912.146	12197.214	1.604	0.8	-23.5	NO	0.996	NO	bb
4	4 170810M2_5	Standard	2.000	3.32	7263.097	12310.407	2.950	1.8	-8.4	NO	0.996	NO	bb
5	5 170810M2_6	Standard	5.000	3.32	18200.357	12691.323	7.170	5.2	3.5	NO	0.996	NO	bb
6	6 170810M2_7	Standard	10.000	3.32	36521.176	13114.998	13.923	10.5	5.3	NO	0.996	NO	bb
7	7 170810M2_8	Standard	50.000	3.32	177809.250	12075.982	73.621	57.8	15.6	NO	0.996	NO	bb

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Compound name: PFHxA

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8 170810M2_9	Standard	100.000	3.31	393866.563	14098.515	139.684	110.2	10.2	NO	0.996	NO	bb
9	9 170810M2_10	Standard	250.000	3.30	896249.938	13890.280	322.618	255.1	2.0	NO	0.996	NO	bb
10	10 170810M2_11	Standard	500.000	3.30	1694936.625	14073.479	602.174	476.6	-4.7	NO	0.996	NO	bb

Compound name: PFHpA

Correlation coefficient: $r = 0.998520$, $r^2 = 0.997041$

Calibration curve: $1.13042 * x + 0.520352$

Response type: Internal Std (Ref 32), 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 170810M2_2	Standard	0.250	3.57	1021.577	32744.631	0.390			NO	0.997	NO	bbXI
2	2 170810M2_3	Standard	0.500	3.57	2115.316	37927.195	0.697	0.2	-68.7	NO	0.997	NO	bbX
3	3 170810M2_4	Standard	1.000	3.58	4504.139	40517.414	1.390	0.8	-23.1	NO	0.997	NO	bb
4	4 170810M2_5	Standard	2.000	3.57	8848.725	40261.074	2.747	2.0	-1.5	NO	0.997	NO	bb
5	5 170810M2_6	Standard	5.000	3.57	20480.195	40307.914	6.351	5.2	3.2	NO	0.997	NO	bb
6	6 170810M2_7	Standard	10.000	3.57	39021.555	40487.199	12.047	10.2	2.0	NO	0.997	NO	bb
7	7 170810M2_8	Standard	50.000	3.57	204471.547	40139.113	63.676	55.9	11.7	NO	0.997	NO	bb
8	8 170810M2_9	Standard	100.000	3.56	439243.500	43301.590	126.798	111.7	11.7	NO	0.997	NO	bb
9	9 170810M2_10	Standard	250.000	3.55	986020.313	43919.035	280.636	247.8	-0.9	NO	0.997	NO	bb
10	10 170810M2_11	Standard	500.000	3.55	1853039.250	42249.473	548.243	484.5	-3.1	NO	0.997	NO	bb

Compound name: PFHxS

Coefficient of Determination: $R^2 = 0.999727$

Calibration curve: $-0.00059344 * x^2 + 1.77788 * x + -0.123769$

Response type: Internal Std (Ref 33), 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 170810M2_2	Standard	0.250	3.64	104.558	2973.079	0.440	0.3	26.8	NO	1.000	NO	MM
2	2 170810M2_3	Standard	0.500	3.66	147.156	3418.749	0.538	0.4	-25.5	NO	1.000	NO	MM
3	3 170810M2_4	Standard	1.000	3.65	505.877	3603.866	1.755	1.1	5.7	NO	1.000	NO	MM
4	4 170810M2_5	Standard	2.000	3.64	970.668	3657.688	3.317	1.9	-3.2	NO	1.000	NO	MM
5	5 170810M2_6	Standard	5.000	3.64	2611.106	3713.872	8.788	5.0	0.4	NO	1.000	NO	bb

Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

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Compound name: PFHxS

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6 170810M2_7	Standard	10.000	3.64	5130.715	3730.608	17.191	9.8	-2.3	NO	1.000	NO	MM
7	7 170810M2_8	Standard	50.000	3.64	24993.557	3648.731	85.624	49.0	-1.9	NO	1.000	NO	bb
8	8 170810M2_9	Standard	100.000	3.63	53419.980	3949.262	169.082	98.4	-1.6	NO	1.000	NO	MM
9	9 170810M2_10	Standard	250.000	3.63	117028.563	3521.197	415.443	255.5	2.2	NO	1.000	NO	db
10	10 170810M2_11	Standard	500.000	3.62	217790.609	3693.524	737.069	497.1	-0.6	NO	1.000	NO	db

Compound name: 6:2 FTS

Coefficient of Determination: R^2 = 0.998948

Calibration curve: $-0.00172688 * x^2 + 0.945449 * x + 0.0555048$

Response type: Internal Std (Ref 34), 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 170810M2_2	Standard	0.250	3.75	200.187	10827.486	0.231	0.2	-25.7	NO	0.999	NO	bb
2	2 170810M2_3	Standard	0.500	3.77	486.104	10909.211	0.557	0.5	6.2	NO	0.999	NO	bb
3	3 170810M2_4	Standard	1.000	3.77	883.831	10654.119	1.037	1.0	4.0	NO	0.999	NO	bb
4	4 170810M2_5	Standard	2.000	3.76	1608.501	10669.914	1.884	1.9	-2.9	NO	0.999	NO	bb
5	5 170810M2_6	Standard	5.000	3.77	4302.423	10053.431	5.349	5.7	13.2	NO	0.999	NO	bb
6	6 170810M2_7	Standard	10.000	3.77	8047.447	10016.485	10.043	10.8	7.8	NO	0.999	NO	bb
7	7 170810M2_8	Standard	50.000	3.76	39191.262	11428.154	42.867	49.8	-0.4	NO	0.999	NO	bb
8	8 170810M2_9	Standard	100.000	3.75	85670.922	14187.794	75.479	96.9	-3.1	NO	0.999	NO	bb
9	9 170810M2_10	Standard	250.000	3.74	179225.031	17337.529	129.218	261.9	4.7	NO	0.999	NO	bb
10	10 170810M2_11	Standard	500.000	3.74	272261.250	19594.984	173.680			NO	0.999	NO	bbXI

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Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

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Compound name: PFOA

Correlation coefficient: $r = 0.999304$, $r^2 = 0.998608$

Calibration curve: $0.980416 * x + 0.151461$

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	0.250	3.78	1692.874	61642.953	0.343	0.2	-21.7	NO	0.999	NO	bb
2	2 170810M2_3	Standard	0.500	3.78	3289.689	67663.805	0.608	0.5	-6.9	NO	0.999	NO	bb
3	3 170810M2_4	Standard	1.000	3.78	6109.179	67625.266	1.129	1.0	-0.3	NO	0.999	NO	bb
4	4 170810M2_5	Standard	2.000	3.78	12862.762	69456.469	2.315	2.2	10.3	NO	0.999	NO	bb
5	5 170810M2_6	Standard	5.000	3.78	26522.385	61218.832	5.415	5.4	7.4	NO	0.999	NO	bb
6	6 170810M2_7	Standard	10.000	3.78	54100.707	64709.793	10.451	10.5	5.0	NO	0.999	NO	db
7	7 170810M2_8	Standard	50.000	3.78	248422.766	59761.141	51.962	52.8	5.7	NO	0.999	NO	bb
8	8 170810M2_9	Standard	100.000	3.77	559988.438	68978.094	101.479	103.4	3.4	NO	0.999	NO	bb
9	9 170810M2_10	Standard	250.000	3.76	1313767.500	68939.547	238.210	242.8	-2.9	NO	0.999	NO	bb
10	10 170810M2_11	Standard	500.000	3.75	2233816.250	64044.930	435.986	444.5	-11.1	NO	0.999	NO	bbX

Compound name: PFHpS

Correlation coefficient: $r = 0.995991$, $r^2 = 0.991997$

Calibration curve: $0.0786311 * x + 0.00779766$

Response type: Internal Std (Ref 35), 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 170810M2_2	Standard	0.250	3.84	115.389	61642.953	0.023	0.2	-20.6	NO	0.992	NO	bb
2	2 170810M2_3	Standard	0.500	3.85	247.359	67663.805	0.046	0.5	-3.6	NO	0.992	NO	bb
3	3 170810M2_4	Standard	1.000	3.85	467.065	67625.266	0.086	1.0	-0.1	NO	0.992	NO	bb
4	4 170810M2_5	Standard	2.000	3.85	1021.924	69456.469	0.184	2.2	12.0	NO	0.992	NO	bb
5	5 170810M2_6	Standard	5.000	3.85	2169.387	61218.832	0.443	5.5	10.7	NO	0.992	NO	bb
6	6 170810M2_7	Standard	10.000	3.84	4681.044	64709.793	0.904	11.4	14.0	NO	0.992	NO	bb
7	7 170810M2_8	Standard	50.000	3.84	21604.721	59761.141	4.519	57.4	14.7	NO	0.992	NO	bb
8	8 170810M2_9	Standard	100.000	3.83	49713.887	68978.094	9.009	114.5	14.5	NO	0.992	NO	bb
9	9 170810M2_10	Standard	250.000	3.82	114797.594	68939.547	20.815	264.6	5.8	NO	0.992	NO	bb
10	10 170810M2_11	Standard	500.000	3.82	185939.734	64044.930	36.291	461.4	-7.7	NO	0.992	NO	bb

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Compound name: PFNA

Correlation coefficient: $r = 0.998366$, $r^2 = 0.996735$

Calibration curve: $0.979826 * x + 0.513479$

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 170810M2_2	Standard	0.250	3.97	1700.456	62033.051	0.343			NO	0.997	NO	bbXI
2	2 170810M2_3	Standard	0.500	3.98	2793.827	56715.289	0.616	0.1	-79.1	NO	0.997	NO	bbX
3	3 170810M2_4	Standard	1.000	3.98	6302.374	60834.914	1.295	0.8	-20.2	NO	0.997	NO	bb
4	4 170810M2_5	Standard	2.000	3.97	11665.123	61086.734	2.387	1.9	-4.4	NO	0.997	NO	bb
5	5 170810M2_6	Standard	5.000	3.97	26210.676	58121.105	5.637	5.2	4.6	NO	0.997	NO	bb
6	6 170810M2_7	Standard	10.000	3.97	54617.367	63817.566	10.698	10.4	3.9	NO	0.997	NO	bb
7	7 170810M2_8	Standard	50.000	3.97	241126.203	57678.809	52.256	52.8	5.6	NO	0.997	NO	bb
8	8 170810M2_9	Standard	100.000	3.96	570147.125	64540.883	110.424	112.2	12.2	NO	0.997	NO	bb
9	9 170810M2_10	Standard	250.000	3.96	1276250.000	63239.992	252.263	256.9	2.8	NO	0.997	NO	bb
10	10 170810M2_11	Standard	500.000	3.95	2011288.625	53648.328	468.628	477.8	-4.4	NO	0.997	NO	bb

Compound name: PFOSA

Correlation coefficient: $r = 0.999155$, $r^2 = 0.998311$

Calibration curve: $1.04987 * x + 0.0313857$

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

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

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	0.250	3.99	140.984	6459.227	0.273	0.2	-8.0	NO	0.998	NO	bb
2	2 170810M2_3	Standard	0.500	4.00	317.971	6795.560	0.585	0.5	5.4	NO	0.998	NO	bb
3	3 170810M2_4	Standard	1.000	3.99	679.323	7247.529	1.172	1.1	8.6	NO	0.998	NO	bb
4	4 170810M2_5	Standard	2.000	3.98	1225.911	6795.770	2.255	2.1	5.9	NO	0.998	NO	bb
5	5 170810M2_6	Standard	5.000	3.99	2957.377	7263.316	5.090	4.8	-3.6	NO	0.998	NO	bb
6	6 170810M2_7	Standard	10.000	3.99	6346.346	7321.714	10.835	10.3	2.9	NO	0.998	NO	bb
7	7 170810M2_8	Standard	50.000	3.98	29107.096	7239.874	50.255	47.8	-4.3	NO	0.998	NO	bb
8	8 170810M2_9	Standard	100.000	3.97	63806.832	8149.971	97.864	93.2	-6.8	NO	0.998	NO	bb
9	9 170810M2_10	Standard	250.000	3.96	141035.125	6965.660	253.090	241.0	-3.6	NO	0.998	NO	bb
10	10 170810M2_11	Standard	500.000	3.96	220683.688	5075.854	543.464	517.6	3.5	NO	0.998	NO	bb

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Compound name: PFOS

Coefficient of Determination: $R^2 = 0.999791$

Calibration curve: $-0.000252174 * x^2 + 1.06922 * x - 0.0396957$

Response type: Internal Std (Ref 38), 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 170810M2_2	Standard	0.250	4.03	202.820	10626.669	0.239	0.3	4.1	NO	1.000	NO	MM
2	2 170810M2_3	Standard	0.500	4.04	413.253	11363.964	0.455	0.5	-7.5	NO	1.000	NO	MM
3	3 170810M2_4	Standard	1.000	4.03	862.786	10971.130	0.983	1.0	-4.3	NO	1.000	NO	MM
4	4 170810M2_5	Standard	2.000	4.03	1937.711	11205.850	2.161	2.1	3.0	NO	1.000	NO	MM
5	5 170810M2_6	Standard	5.000	4.03	4462.908	11041.968	5.052	4.8	-4.6	NO	1.000	NO	MM
6	6 170810M2_7	Standard	10.000	4.03	8765.405	11122.137	9.851	9.3	-7.3	NO	1.000	NO	MM
7	7 170810M2_8	Standard	50.000	4.03	43448.457	10002.095	54.299	51.4	2.9	NO	1.000	NO	MM
8	8 170810M2_9	Standard	100.000	4.02	95483.617	11632.687	102.603	98.3	-1.7	NO	1.000	NO	MM
9	9 170810M2_10	Standard	250.000	4.01	215446.594	10617.809	253.638	252.3	0.9	NO	1.000	NO	MM
10	10 170810M2_11	Standard	500.000	4.01	348312.906	9250.272	470.679	499.0	-0.2	NO	1.000	NO	MM

Compound name: PFDA

Correlation coefficient: $r = 0.999612$, $r^2 = 0.999225$

Calibration curve: $1.13105 * x + 0.115427$

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	0.250	4.15	1467.511	55995.238	0.328	0.2	-25.0	NO	0.999	NO	bb
2	2 170810M2_3	Standard	0.500	4.16	2956.190	55977.539	0.660	0.5	-3.7	NO	0.999	NO	bb
3	3 170810M2_4	Standard	1.000	4.16	6754.155	58804.391	1.436	1.2	16.7	NO	0.999	NO	bb
4	4 170810M2_5	Standard	2.000	4.15	10501.298	50928.629	2.577	2.2	8.8	NO	0.999	NO	bb
5	5 170810M2_6	Standard	5.000	4.16	26044.916	56490.598	5.763	5.0	-0.1	NO	0.999	NO	bb
6	6 170810M2_7	Standard	10.000	4.16	53593.426	59644.734	11.232	9.8	-1.7	NO	0.999	NO	bb
7	7 170810M2_8	Standard	50.000	4.16	238216.063	50433.004	59.043	52.1	4.2	NO	0.999	NO	bb
8	8 170810M2_9	Standard	100.000	4.14	591185.688	63572.438	116.243	102.7	2.7	NO	0.999	NO	bb
9	9 170810M2_10	Standard	250.000	4.13	1293616.750	58295.023	277.386	245.1	-1.9	NO	0.999	NO	bb
10	10 170810M2_11	Standard	500.000	4.13	1924513.000	52405.832	459.041	405.8	-18.8	NO	0.999	NO	bbX

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Compound name: 8:2 FTS

Coefficient of Determination: R² = 0.997950

Calibration curve: -0.00480406 * x² + 1.4337 * x + -0.0133124

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 170810M2_2	Standard	0.250	4.15	222.118	7665.451	0.362	0.3	4.9	NO	0.998	NO	bb
2	2 170810M2_3	Standard	0.500	4.16	397.530	7353.410	0.676	0.5	-3.7	NO	0.998	NO	bb
3	3 170810M2_4	Standard	1.000	4.15	986.639	7736.133	1.594	1.1	12.5	NO	0.998	NO	bb
4	4 170810M2_5	Standard	2.000	4.15	1700.260	7913.699	2.686	1.9	-5.3	NO	0.998	NO	bb
5	5 170810M2_6	Standard	5.000	4.15	3979.425	7743.167	6.424	4.6	-8.8	NO	0.998	NO	bb
6	6 170810M2_7	Standard	10.000	4.15	7871.591	7632.894	12.891	9.3	-7.1	NO	0.998	NO	bb
7	7 170810M2_8	Standard	50.000	4.15	36677.406	7336.241	62.494	53.0	6.0	NO	0.998	NO	bb
8	8 170810M2_9	Standard	100.000	4.14	73436.234	9762.668	94.027	97.3	-2.7	NO	0.998	NO	bb
9	9 170810M2_10	Standard	250.000	4.13	154924.188	11954.295	161.996			NO	0.998	NO	bbXI
10	10 170810M2_11	Standard	500.000	4.12	222765.531	13632.657	204.257			NO	0.998	NO	bbXI

Compound name: N-MeFOSAA

Coefficient of Determination: R² = 0.999893

Calibration curve: -0.00750568 * x² + 19.4398 * x + -0.45786

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	0.250	4.17	319.184	13096.980	3.960	0.2	-9.1	NO	1.000	NO	bb
2	2 170810M2_3	Standard	0.500	4.19	832.861	13619.695	9.937	0.5	7.0	NO	1.000	NO	bb
3	3 170810M2_4	Standard	1.000	4.19	1638.138	13420.139	19.836	1.0	4.4	NO	1.000	NO	bb
4	4 170810M2_5	Standard	2.000	4.18	3473.874	14342.013	39.360	2.0	2.5	NO	1.000	NO	bb
5	5 170810M2_6	Standard	5.000	4.18	7888.805	14009.009	91.508	4.7	-5.2	NO	1.000	NO	bb
6	6 170810M2_7	Standard	10.000	4.19	15596.266	13329.100	190.140	9.8	-1.6	NO	1.000	NO	bb
7	7 170810M2_8	Standard	50.000	4.18	74786.219	12505.077	971.826	51.0	2.0	NO	1.000	NO	bb
8	8 170810M2_9	Standard	100.000	4.17	166516.688	14369.895	1883.031	100.8	0.8	NO	1.000	NO	bb
9	9 170810M2_10	Standard	250.000	4.16	363121.188	13581.694	4344.612	247.1	-1.2	NO	1.000	NO	bb
10	10 170810M2_11	Standard	500.000	4.16	577726.813	11942.306	7861.179	501.5	0.3	NO	1.000	NO	bb

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Compound name: N-EtFOSAA

Coefficient of Determination: R² = 0.999638

Calibration curve: $-0.00353476 * x^2 + 15.6313 * x + 0.651764$

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 170810M2_2	Standard	0.250	4.26	313.074	13212.761	3.850	0.2	-18.1	NO	1.000	NO	bb
2	2 170810M2_3	Standard	0.500	4.26	835.143	13188.293	10.290	0.6	23.3	NO	1.000	NO	bb
3	3 170810M2_4	Standard	1.000	4.26	1459.771	13739.960	17.264	1.1	6.3	NO	1.000	NO	bb
4	4 170810M2_5	Standard	2.000	4.25	2723.785	13472.679	32.853	2.1	3.0	NO	1.000	NO	bb
5	5 170810M2_6	Standard	5.000	4.25	6536.180	13386.724	79.342	5.0	0.8	NO	1.000	NO	bb
6	6 170810M2_7	Standard	10.000	4.25	13418.110	14147.375	154.123	9.8	-1.6	NO	1.000	NO	bb
7	7 170810M2_8	Standard	50.000	4.25	64230.766	13121.947	795.423	51.4	2.9	NO	1.000	NO	bb
8	8 170810M2_9	Standard	100.000	4.24	148325.734	15456.478	1559.406	102.1	2.1	NO	1.000	NO	bb
9	9 170810M2_10	Standard	250.000	4.23	327290.563	14790.417	3595.890	243.4	-2.6	NO	1.000	NO	bb
10	10 170810M2_11	Standard	500.000	4.23	562908.563	13123.576	6970.100	503.1	0.6	NO	1.000	NO	bb

Compound name: PFUnA

Coefficient of Determination: R² = 0.995537

Calibration curve: $-0.000304422 * x^2 + 0.810482 * x + 0.0887281$

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	0.250	4.33	1082.861	57444.809	0.236	0.2	-27.5	NO	0.996	NO	bb
2	2 170810M2_3	Standard	0.500	4.34	2396.822	62078.648	0.483	0.5	-2.8	NO	0.996	NO	bb
3	3 170810M2_4	Standard	1.000	4.34	4977.892	64503.668	0.965	1.1	8.1	NO	0.996	NO	bb
4	4 170810M2_5	Standard	2.000	4.33	9185.262	59270.816	1.937	2.3	14.1	NO	0.996	NO	bb
5	5 170810M2_6	Standard	5.000	4.33	21770.973	69700.664	3.904	4.7	-5.7	NO	0.996	NO	bb
6	6 170810M2_7	Standard	10.000	4.33	40820.391	61611.820	8.282	10.1	1.5	NO	0.996	NO	bb
7	7 170810M2_8	Standard	50.000	4.33	192810.016	52882.594	45.575	57.4	14.7	NO	0.996	NO	bb
8	8 170810M2_9	Standard	100.000	4.31	448601.406	68600.250	81.742	104.9	4.9	NO	0.996	NO	bb
9	9 170810M2_10	Standard	250.000	4.30	1001369.188	74813.570	167.311	225.4	-9.8	NO	0.996	NO	bb
10	10 170810M2_11	Standard	500.000	4.30	1654232.125	61521.715	336.107	513.7	2.7	NO	0.996	NO	bb

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Compound name: PFDS

Coefficient of Determination: $R^2 = 0.992589$

Calibration curve: $-4.87611e-005 * x^2 + 0.0819404 * x + 0.0113831$

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

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

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	0.250	4.38	50.134	57444.809	0.011			NO	0.993	NO	MMXI
2	2 170810M2_3	Standard	0.500	4.39	251.218	62078.648	0.051	0.5	-4.3	NO	0.993	NO	bb
3	3 170810M2_4	Standard	1.000	4.39	485.986	64503.668	0.094	1.0	1.1	NO	0.993	NO	bb
4	4 170810M2_5	Standard	2.000	4.38	806.569	59270.816	0.170	1.9	-3.0	NO	0.993	NO	bb
5	5 170810M2_6	Standard	5.000	4.38	2118.120	69700.664	0.380	4.5	-9.8	NO	0.993	NO	bb
6	6 170810M2_7	Standard	10.000	4.38	4130.849	61611.820	0.838	10.2	1.5	NO	0.993	NO	bb
7	7 170810M2_8	Standard	50.000	4.38	19476.701	52882.594	4.604	58.1	16.1	NO	0.993	NO	bb
8	8 170810M2_9	Standard	100.000	4.36	45542.465	68600.250	8.299	108.1	8.1	NO	0.993	NO	bb
9	9 170810M2_10	Standard	250.000	4.36	92623.195	74813.570	15.476	216.7	-13.3	NO	0.993	NO	bb
10	10 170810M2_11	Standard	500.000	4.35	145684.594	61521.715	29.600	525.3	5.1	NO	0.993	NO	bb

Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.999746$

Calibration curve: $-0.000238279 * x^2 + 0.835861 * x + 0.0431344$

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 170810M2_2	Standard	0.250	4.51	126.520	6520.931	0.243	0.2	-4.6	NO	1.000	NO	bb
2	2 170810M2_3	Standard	0.500	4.53	246.742	7169.665	0.430	0.5	-7.4	NO	1.000	NO	bb
3	3 170810M2_4	Standard	1.000	4.52	609.030	7950.386	0.958	1.1	9.4	NO	1.000	NO	bb
4	4 170810M2_5	Standard	2.000	4.51	1069.381	7572.749	1.765	2.1	3.1	NO	1.000	NO	bb
5	5 170810M2_6	Standard	5.000	4.51	2402.908	6676.272	4.499	5.3	6.8	NO	1.000	NO	bb
6	6 170810M2_7	Standard	10.000	4.51	4358.342	7074.396	7.701	9.2	-8.1	NO	1.000	NO	bb
7	7 170810M2_8	Standard	50.000	4.51	21732.080	6639.138	40.917	49.6	-0.8	NO	1.000	NO	bb
8	8 170810M2_9	Standard	100.000	4.49	51974.469	7805.791	83.231	102.5	2.5	NO	1.000	NO	bb
9	9 170810M2_10	Standard	250.000	4.48	109401.664	7118.316	192.113	247.2	-1.1	NO	1.000	NO	bb
10	10 170810M2_11	Standard	500.000	4.48	198369.359	6906.029	359.051	501.1	0.2	NO	1.000	NO	bb

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Compound name: N-MeFOSA

Correlation coefficient: $r = 0.995786$, $r^2 = 0.991590$

Calibration curve: $0.878916 * x + 0.777845$

Response type: Internal Std (Ref 45), 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 170810M2_2	Standard	1.250	4.55	296.818	27716.932	1.606	0.9	-24.6	NO	0.992	NO	bb
2	2 170810M2_3	Standard	2.500	4.56	506.989	27527.555	2.763	2.3	-9.7	NO	0.992	NO	bb
3	3 170810M2_4	Standard	5.000	4.56	1040.113	27554.281	5.662	5.6	11.1	NO	0.992	NO	bb
4	4 170810M2_5	Standard	10.000	4.56	2132.267	27954.211	11.442	12.1	21.3	NO	0.992	NO	bb
5	5 170810M2_6	Standard	25.000	4.55	4991.766	26972.852	27.760	30.7	22.8	NO	0.992	NO	bb
6	6 170810M2_7	Standard	50.000	4.54	10478.551	29265.723	53.707	60.2	20.4	NO	0.992	NO	bb
7	7 170810M2_8	Standard	250.000	4.53	50625.969	29202.176	260.046	295.0	18.0	NO	0.992	NO	db
8	8 170810M2_9	Standard	500.000	4.51	118740.742	35066.203	507.928	577.0	15.4	NO	0.992	NO	bb
9	9 170810M2_10	Standard	1250.000	4.50	273392.375	36176.391	1133.581	1288.9	3.1	NO	0.992	NO	bb
10	10 170810M2_11	Standard	2500.000	4.50	473733.750	34819.609	2040.806	2321.1	-7.2	NO	0.992	NO	db

Compound name: PFTTrDA

Correlation coefficient: $r = 0.999754$, $r^2 = 0.999507$

Calibration curve: $10.0213 * x + 1.2331$

Response type: Internal Std (Ref 44), 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 170810M2_2	Standard	0.250	4.70	1808.306	6520.931	3.466	0.2	-10.9	NO	1.000	NO	MM
2	2 170810M2_3	Standard	0.500	4.71	3277.177	7169.665	5.714	0.4	-10.6	NO	1.000	NO	bb
3	3 170810M2_4	Standard	1.000	4.71	7157.351	7950.386	11.253	1.0	-0.0	NO	1.000	NO	bb
4	4 170810M2_5	Standard	2.000	4.70	13517.759	7572.749	22.313	2.1	5.2	NO	1.000	NO	bb
5	5 170810M2_6	Standard	5.000	4.70	29636.258	6676.272	55.488	5.4	8.3	NO	1.000	NO	bb
6	6 170810M2_7	Standard	10.000	4.70	60225.457	7074.396	106.414	10.5	5.0	NO	1.000	NO	bb
7	7 170810M2_8	Standard	50.000	4.70	275791.281	6639.138	519.253	51.7	3.4	NO	1.000	NO	bb
8	8 170810M2_9	Standard	100.000	4.68	633892.563	7805.791	1015.100	101.2	1.2	NO	1.000	NO	bb
9	9 170810M2_10	Standard	250.000	4.67	1405725.625	7118.316	2468.501	246.2	-1.5	NO	1.000	NO	bb
10	10 170810M2_11	Standard	500.000	4.67	2233990.500	6906.029	4043.551	403.4	-19.3	NO	1.000	NO	bbX

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Compound name: PFTeDA

Coefficient of Determination: R² = 0.999640

Calibration curve: -0.000533447 * x² + 1.13867 * x + 0.107998

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 170810M2_2	Standard	0.250	4.90	1296.794	43934.512	0.369	0.2	-8.3	NO	1.000	NO	bb
2	2 170810M2_3	Standard	0.500	4.91	2459.198	44478.961	0.691	0.5	2.4	NO	1.000	NO	bb
3	3 170810M2_4	Standard	1.000	4.91	4822.091	48823.219	1.235	1.0	-1.0	NO	1.000	NO	bb
4	4 170810M2_5	Standard	2.000	4.90	9330.564	47903.941	2.435	2.0	2.3	NO	1.000	NO	bb
5	5 170810M2_6	Standard	5.000	4.90	20629.588	43352.480	5.948	5.1	2.8	NO	1.000	NO	bb
6	6 170810M2_7	Standard	10.000	4.90	41831.395	45414.316	11.514	10.1	0.6	NO	1.000	NO	bb
7	7 170810M2_8	Standard	50.000	4.90	191464.297	43089.582	55.543	49.8	-0.3	NO	1.000	NO	bb
8	8 170810M2_9	Standard	100.000	4.87	448893.063	49984.359	112.258	103.5	3.5	NO	1.000	NO	bb
9	9 170810M2_10	Standard	250.000	4.87	983211.563	50076.543	245.427	243.1	-2.7	NO	1.000	NO	MM
10	10 170810M2_11	Standard	500.000	4.86	1620744.750	46214.285	438.378	503.8	0.8	NO	1.000	NO	MM

Compound name: N-EtFOSA

Correlation coefficient: r = 0.998278, r² = 0.996558

Calibration curve: 0.877827 * x + 0.460454

Response type: Internal Std (Ref 47), 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 170810M2_2	Standard	1.250	5.00	300.846	35807.328	1.260	0.9	-27.1	NO	0.997	NO	bb
2	2 170810M2_3	Standard	2.500	5.01	616.719	35651.246	2.595	2.4	-2.7	NO	0.997	NO	bb
3	3 170810M2_4	Standard	5.000	5.00	1224.420	36907.691	4.976	5.1	2.9	NO	0.997	NO	bb
4	4 170810M2_5	Standard	10.000	5.00	2355.630	37358.246	9.458	10.3	2.5	NO	0.997	NO	bb
5	5 170810M2_6	Standard	25.000	5.00	5722.799	34930.285	24.575	27.5	9.9	NO	0.997	NO	bb
6	6 170810M2_7	Standard	50.000	4.98	11801.225	38343.563	46.166	52.1	4.1	NO	0.997	NO	bb
7	7 170810M2_8	Standard	250.000	4.97	58068.348	36419.504	239.164	271.9	8.8	NO	0.997	NO	db
8	8 170810M2_9	Standard	500.000	4.95	136462.141	43820.121	467.122	531.6	6.3	NO	0.997	NO	db
9	9 170810M2_10	Standard	1250.000	4.94	323008.469	46286.176	1046.776	1191.9	-4.6	NO	0.997	NO	bb
10	10 170810M2_11	Standard	2500.000	4.94	574823.688	43106.852	2000.228	2278.1	-8.9	NO	0.997	NO	bbX

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Compound name: PFHxDA

Coefficient of Determination: R² = 0.999241

Calibration curve: -0.00134262 * x² + 1.44391 * x + 0.187386

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 170810M2_2	Standard	0.250	5.29	2439.806	20425.877	0.597	0.3	13.6	NO	0.999	NO	bd
2	2 170810M2_3	Standard	0.500	5.30	3560.579	20498.971	0.868	0.5	-5.6	NO	0.999	NO	bb
3	3 170810M2_4	Standard	1.000	5.30	6815.783	21206.127	1.607	1.0	-1.6	NO	0.999	NO	bb
4	4 170810M2_5	Standard	2.000	5.29	13956.986	22826.240	3.057	2.0	-0.4	NO	0.999	NO	bb
5	5 170810M2_6	Standard	5.000	5.28	30517.473	20867.588	7.312	5.0	-0.9	NO	0.999	NO	bb
6	6 170810M2_7	Standard	10.000	5.29	57583.516	21425.330	13.438	9.3	-7.4	NO	0.999	NO	bb
7	7 170810M2_8	Standard	50.000	5.28	276492.656	19445.941	71.093	51.6	3.2	NO	0.999	NO	bb
8	8 170810M2_9	Standard	100.000	5.26	606868.313	23300.309	130.228	99.2	-0.8	NO	0.999	NO	MM
9	9 170810M2_10	Standard	250.000	5.25	897246.125	15976.768	280.797	254.6	1.9	NO	0.999	NO	bbX
10	10 170810M2_11	Standard	500.000	5.24	1213814.625	11401.953	532.284			NO	0.999	NO	bbXI

Compound name: PFODA

Correlation coefficient: r = 0.999467, r² = 0.998934

Calibration curve: 1.27081 * x + 0.103615

Response type: Internal Std (Ref 48), 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 170810M2_2	Standard	0.250	5.66	1714.516	20425.877	0.420	0.2	-0.5	NO	0.999	NO	bb
2	2 170810M2_3	Standard	0.500	5.66	3188.736	20498.971	0.778	0.5	6.1	NO	0.999	NO	bb
3	3 170810M2_4	Standard	1.000	5.66	6602.740	21206.127	1.557	1.1	14.4	NO	0.999	NO	bb
4	4 170810M2_5	Standard	2.000	5.66	12914.733	22826.240	2.829	2.1	7.2	NO	0.999	NO	bb
5	5 170810M2_6	Standard	5.000	5.66	27537.434	20867.588	6.598	5.1	2.2	NO	0.999	NO	bb
6	6 170810M2_7	Standard	10.000	5.66	56117.164	21425.330	13.096	10.2	2.2	NO	0.999	NO	bb
7	7 170810M2_8	Standard	50.000	5.65	255676.906	19445.941	65.740	51.6	3.3	NO	0.999	NO	bb
8	8 170810M2_9	Standard	100.000	5.62	579058.625	23300.309	124.260	97.7	-2.3	NO	0.999	NO	bb
9	9 170810M2_10	Standard	250.000	5.61	1368190.375	15976.768	428.181	336.9	34.7	NO	0.999	NO	bbX
10	10 170810M2_11	Standard	500.000	5.60	2323741.500	11401.953	1019.010	801.8	60.4	NO	0.999	NO	bbX

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Compound name: N-MeFOSE

Correlation coefficient: $r = 0.998979$, $r^2 = 0.997958$

Calibration curve: $0.913987 * x + 0.914175$

Response type: Internal Std (Ref 49), 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 170810M2_2	Standard	1.250	5.28	449.666	37456.684	1.801	1.0	-22.4	NO	0.998	NO	bb
2	2 170810M2_3	Standard	2.500	5.29	709.438	37182.391	2.862	2.1	-14.8	NO	0.998	NO	bb
3	3 170810M2_4	Standard	5.000	5.29	1441.188	38748.840	5.579	5.1	2.1	NO	0.998	NO	bb
4	4 170810M2_5	Standard	10.000	5.28	2749.127	38784.367	10.632	10.6	6.3	NO	0.998	NO	bb
5	5 170810M2_6	Standard	25.000	5.28	6369.167	37768.906	25.295	26.7	6.7	NO	0.998	NO	bb
6	6 170810M2_7	Standard	50.000	5.28	13694.196	41681.102	49.282	52.9	5.8	NO	0.998	NO	bb
7	7 170810M2_8	Standard	250.000	5.28	68194.742	40391.512	253.252	276.1	10.4	NO	0.998	NO	bb
8	8 170810M2_9	Standard	500.000	5.26	159694.672	48233.188	496.633	542.4	8.5	NO	0.998	NO	bb
9	9 170810M2_10	Standard	1250.000	5.25	369344.906	48233.070	1148.626	1255.7	0.5	NO	0.998	NO	bb
10	10 170810M2_11	Standard	2500.000	5.25	687202.625	46562.453	2213.809	2421.1	-3.2	NO	0.998	NO	bb

Compound name: N-EtFOSE

Correlation coefficient: $r = 0.998468$, $r^2 = 0.996938$

Calibration curve: $1.01573 * x + 2.54785$

Response type: Internal Std (Ref 50), 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 170810M2_2	Standard	1.250	5.45	431.103	36366.551	1.778			NO	0.997	NO	bbXI
2	2 170810M2_3	Standard	2.500	5.46	845.634	37921.910	3.345	0.8	-68.6	NO	0.997	NO	bbX
3	3 170810M2_4	Standard	5.000	5.46	1629.428	37938.703	6.442	3.8	-23.3	NO	0.997	NO	bb
4	4 170810M2_5	Standard	10.000	5.45	3162.947	39692.059	11.953	9.3	-7.4	NO	0.997	NO	bb
5	5 170810M2_6	Standard	25.000	5.45	7056.696	37298.547	28.379	25.4	1.7	NO	0.997	NO	bb
6	6 170810M2_7	Standard	50.000	5.45	15470.291	39826.883	58.266	54.9	9.7	NO	0.997	NO	bb
7	7 170810M2_8	Standard	250.000	5.45	75266.070	39464.043	286.081	279.1	11.7	NO	0.997	NO	bb
8	8 170810M2_9	Standard	500.000	5.43	181684.203	48142.445	566.083	554.8	11.0	NO	0.997	NO	bb
9	9 170810M2_10	Standard	1250.000	5.42	430891.406	50641.645	1276.296	1254.0	0.3	NO	0.997	NO	bb
10	10 170810M2_11	Standard	2500.000	5.42	790079.563	48390.172	2449.091	2408.7	-3.7	NO	0.997	NO	bb

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Compound name: 13C3-PFBA

Response Factor: 0.905828

RRF SD: 0.0122576, Relative SD: 1.35319

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	1.91	15542.773	17253.230	11.261	12.4	-0.5	NO		NO	bb
2	2 170810M2_3	Standard	12.500	1.92	15666.696	17209.924	11.379	12.6	0.5	NO		NO	bb
3	3 170810M2_4	Standard	12.500	1.92	16473.561	17869.518	11.524	12.7	1.8	NO		NO	bb
4	4 170810M2_5	Standard	12.500	1.92	15767.530	17173.609	11.477	12.7	1.4	NO		NO	bb
5	5 170810M2_6	Standard	12.500	1.91	16464.104	18114.355	11.361	12.5	0.3	NO		NO	bb
6	6 170810M2_7	Standard	12.500	1.92	16369.950	18442.018	11.096	12.2	-2.0	NO		NO	bb
7	7 170810M2_8	Standard	12.500	1.92	16361.661	17753.158	11.520	12.7	1.7	NO		NO	bb
8	8 170810M2_9	Standard	12.500	1.91	18859.416	21098.885	11.173	12.3	-1.3	NO		NO	bb
9	9 170810M2_10	Standard	12.500	1.91	18778.650	20835.586	11.266	12.4	-0.5	NO		NO	bb
10	10 170810M2_11	Standard	12.500	1.90	18418.195	20606.902	11.172	12.3	-1.3	NO		NO	bb

Compound name: 13C3-PFPeA

Response Factor: 0.283893

RRF SD: 0.00573445, Relative SD: 2.01993

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	2.95	27880.619	38245.879	3.645	12.8	2.7	NO		NO	bb
2	2 170810M2_3	Standard	12.500	2.95	28322.555	40090.316	3.532	12.4	-0.5	NO		NO	bb
3	3 170810M2_4	Standard	12.500	2.96	28875.371	41622.215	3.469	12.2	-2.3	NO		NO	bb
4	4 170810M2_5	Standard	12.500	2.95	27712.795	39798.098	3.482	12.3	-1.9	NO		NO	bb
5	5 170810M2_6	Standard	12.500	2.95	29315.059	41689.316	3.516	12.4	-0.9	NO		NO	bb
6	6 170810M2_7	Standard	12.500	2.95	29802.102	41735.027	3.570	12.6	0.6	NO		NO	bb
7	7 170810M2_8	Standard	12.500	2.95	28667.293	39240.863	3.653	12.9	2.9	NO		NO	bb
8	8 170810M2_9	Standard	12.500	2.94	33506.395	46120.840	3.632	12.8	2.4	NO		NO	bb
9	9 170810M2_10	Standard	12.500	2.94	32021.633	45642.266	3.508	12.4	-1.1	NO		NO	bb
10	10 170810M2_11	Standard	12.500	2.94	30833.635	44306.922	3.480	12.3	-1.9	NO		NO	bb

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Compound name: 13C3-PFBS

Response Factor: 0.0328786

RRF SD: 0.00161235, Relative SD: 4.90396

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	3.11	3242.905	38245.879	0.424	12.9	3.2	NO		NO	bb
2	2 170810M2_3	Standard	12.500	3.11	3291.404	40090.316	0.410	12.5	-0.1	NO		NO	bb
3	3 170810M2_4	Standard	12.500	3.12	3435.015	41622.215	0.413	12.6	0.4	NO		NO	bb
4	4 170810M2_5	Standard	12.500	3.11	3373.359	39798.098	0.424	12.9	3.1	NO		NO	bb
5	5 170810M2_6	Standard	12.500	3.12	3305.415	41689.316	0.396	12.1	-3.5	NO		NO	bb
6	6 170810M2_7	Standard	12.500	3.12	3622.048	41735.027	0.434	13.2	5.6	NO		NO	bb
7	7 170810M2_8	Standard	12.500	3.12	3433.760	39240.863	0.438	13.3	6.5	NO		NO	bb
8	8 170810M2_9	Standard	12.500	3.11	3757.638	46120.840	0.407	12.4	-0.9	NO		NO	bb
9	9 170810M2_10	Standard	12.500	3.10	3568.171	45642.266	0.391	11.9	-4.9	NO		NO	bb
10	10 170810M2_11	Standard	12.500	3.10	3303.260	44306.922	0.373	11.3	-9.3	NO		NO	bb

Compound name: 13C2-PFHxA

Response Factor: 0.303632

RRF SD: 0.00987768, Relative SD: 3.25318

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	5.000	3.32	11232.063	38245.879	1.468	4.8	-3.3	NO		NO	bb
2	2 170810M2_3	Standard	5.000	3.32	11474.060	40090.316	1.431	4.7	-5.7	NO		NO	bb
3	3 170810M2_4	Standard	5.000	3.33	12197.214	41622.215	1.465	4.8	-3.5	NO		NO	bb
4	4 170810M2_5	Standard	5.000	3.32	12310.407	39798.098	1.547	5.1	1.9	NO		NO	bb
5	5 170810M2_6	Standard	5.000	3.32	12691.323	41689.316	1.522	5.0	0.3	NO		NO	bb
6	6 170810M2_7	Standard	5.000	3.32	13114.998	41735.027	1.571	5.2	3.5	NO		NO	bb
7	7 170810M2_8	Standard	5.000	3.32	12075.982	39240.863	1.539	5.1	1.4	NO		NO	bb
8	8 170810M2_9	Standard	5.000	3.31	14098.515	46120.840	1.528	5.0	0.7	NO		NO	bb
9	9 170810M2_10	Standard	5.000	3.30	13890.280	45642.266	1.522	5.0	0.2	NO		NO	bb
10	10 170810M2_11	Standard	5.000	3.30	14073.479	44306.922	1.588	5.2	4.6	NO		NO	bb

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Compound name: 13C4-PFHpA

Response Factor: 0.384073

RRF SD: 0.0180967, Relative SD: 4.71177

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	3.57	32744.631	38245.879	4.281	11.1	-10.8	NO		NO	bb
2	2 170810M2_3	Standard	12.500	3.58	37927.195	40090.316	4.730	12.3	-1.5	NO		NO	bb
3	3 170810M2_4	Standard	12.500	3.58	40517.414	41622.215	4.867	12.7	1.4	NO		NO	bb
4	4 170810M2_5	Standard	12.500	3.57	40261.074	39798.098	5.058	13.2	5.4	NO		NO	bb
5	5 170810M2_6	Standard	12.500	3.57	40307.914	41689.316	4.834	12.6	0.7	NO		NO	bb
6	6 170810M2_7	Standard	12.500	3.57	40487.199	41735.027	4.851	12.6	1.0	NO		NO	bb
7	7 170810M2_8	Standard	12.500	3.57	40139.113	39240.863	5.114	13.3	6.5	NO		NO	bb
8	8 170810M2_9	Standard	12.500	3.56	43301.590	46120.840	4.694	12.2	-2.2	NO		NO	bb
9	9 170810M2_10	Standard	12.500	3.55	43919.035	45642.266	4.811	12.5	0.2	NO		NO	bb
10	10 170810M2_11	Standard	12.500	3.55	42249.473	44306.922	4.768	12.4	-0.7	NO		NO	bb

Compound name: 18O2-PFHxS

Response Factor: 0.417122

RRF SD: 0.0140806, Relative SD: 3.37566

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	3.64	2973.079	7282.960	5.103	12.2	-2.1	NO		NO	bb
2	2 170810M2_3	Standard	12.500	3.65	3418.749	8095.660	5.279	12.7	1.2	NO		NO	bb
3	3 170810M2_4	Standard	12.500	3.65	3603.866	8554.390	5.266	12.6	1.0	NO		NO	bb
4	4 170810M2_5	Standard	12.500	3.64	3657.688	9118.271	5.014	12.0	-3.8	NO		NO	bb
5	5 170810M2_6	Standard	12.500	3.64	3713.872	8806.590	5.271	12.6	1.1	NO		NO	bb
6	6 170810M2_7	Standard	12.500	3.65	3730.608	8875.088	5.254	12.6	0.8	NO		NO	bb
7	7 170810M2_8	Standard	12.500	3.64	3648.731	8462.481	5.390	12.9	3.4	NO		NO	bb
8	8 170810M2_9	Standard	12.500	3.63	3949.262	9360.616	5.274	12.6	1.1	NO		NO	bb
9	9 170810M2_10	Standard	12.500	3.63	3521.197	9070.533	4.853	11.6	-6.9	NO		NO	bb
10	10 170810M2_11	Standard	12.500	3.62	3693.524	8491.929	5.437	13.0	4.3	NO		NO	bb

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Compound name: 13C2-6:2 FTS

Response Factor: 0.201722

RRF SD: 0.0340952, Relative SD: 16.9021

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	3.76	10827.486	54603.613	2.479	12.3	-1.7	NO		NO	bb
2	2 170810M2_3	Standard	12.500	3.77	10909.211	58987.684	2.312	11.5	-8.3	NO		NO	bb
3	3 170810M2_4	Standard	12.500	3.77	10654.119	60428.516	2.204	10.9	-12.6	NO		NO	bb
4	4 170810M2_5	Standard	12.500	3.77	10669.914	61095.281	2.183	10.8	-13.4	NO		NO	bb
5	5 170810M2_6	Standard	12.500	3.77	10053.431	56983.695	2.205	10.9	-12.5	NO		NO	bb
6	6 170810M2_7	Standard	12.500	3.77	10016.485	53819.109	2.326	11.5	-7.7	NO		NO	bb
7	7 170810M2_8	Standard	12.500	3.76	11428.154	52844.020	2.703	13.4	7.2	NO		NO	bb
8	8 170810M2_9	Standard	12.500	3.75	14187.794	63696.625	2.784	13.8	10.4	NO		NO	bb
9	9 170810M2_10	Standard	12.500	3.74	17337.529	61971.621	3.497	17.3	38.7	NO		NO	bb
10	10 170810M2_11	Standard	12.500	3.74	19594.984	53950.348	4.540	22.5	80.1	NO		NO	bbX

Compound name: 13C2-PFOA

Response Factor: 1.1322

RRF SD: 0.0401853, Relative SD: 3.54932

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	3.78	61642.953	54603.613	14.111	12.5	-0.3	NO		NO	bb
2	2 170810M2_3	Standard	12.500	3.79	67663.805	58987.684	14.339	12.7	1.3	NO		NO	bb
3	3 170810M2_4	Standard	12.500	3.79	67625.266	60428.516	13.989	12.4	-1.2	NO		NO	bb
4	4 170810M2_5	Standard	12.500	3.78	69456.469	61095.281	14.211	12.6	0.4	NO		NO	bb
5	5 170810M2_6	Standard	12.500	3.78	61218.832	56983.695	13.429	11.9	-5.1	NO		NO	bb
6	6 170810M2_7	Standard	12.500	3.78	64709.793	53819.109	15.029	13.3	6.2	NO		NO	bb
7	7 170810M2_8	Standard	12.500	3.78	59761.141	52844.020	14.136	12.5	-0.1	NO		NO	bb
8	8 170810M2_9	Standard	12.500	3.77	68978.094	63696.625	13.536	12.0	-4.4	NO		NO	bb
9	9 170810M2_10	Standard	12.500	3.76	68939.547	61971.621	13.905	12.3	-1.7	NO		NO	bb
10	10 170810M2_11	Standard	12.500	3.76	64044.930	53950.348	14.839	13.1	4.8	NO		NO	bb

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Compound name: 13C5-PFNA

Response Factor: 0.94609

RRF SD: 0.0460977, Relative SD: 4.87244

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	3.97	62033.051	62822.277	12.343	13.0	4.4	NO		NO	bb
2	2 170810M2_3	Standard	12.500	3.98	56715.289	69006.492	10.274	10.9	-13.1	NO		NO	bb
3	3 170810M2_4	Standard	12.500	3.98	60834.914	64031.563	11.876	12.6	0.4	NO		NO	bb
4	4 170810M2_5	Standard	12.500	3.97	61086.734	63786.367	11.971	12.7	1.2	NO		NO	bb
5	5 170810M2_6	Standard	12.500	3.97	58121.105	59683.719	12.173	12.9	2.9	NO		NO	bb
6	6 170810M2_7	Standard	12.500	3.97	63817.566	67704.961	11.782	12.5	-0.4	NO		NO	bb
7	7 170810M2_8	Standard	12.500	3.97	57678.809	61617.066	11.701	12.4	-1.1	NO		NO	bb
8	8 170810M2_9	Standard	12.500	3.96	64540.883	67146.039	12.015	12.7	1.6	NO		NO	bb
9	9 170810M2_10	Standard	12.500	3.95	63239.992	65393.742	12.088	12.8	2.2	NO		NO	bb
10	10 170810M2_11	Standard	12.500	3.95	53648.328	55705.484	12.038	12.7	1.8	NO		NO	bb

Compound name: 13C8-PFOSA

Response Factor: 0.11942

RRF SD: 0.0160933, Relative SD: 13.4762

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	3.99	6459.227	56516.137	1.429	12.0	-4.3	NO		NO	bb
2	2 170810M2_3	Standard	12.500	3.99	6795.560	54058.969	1.571	13.2	5.3	NO		NO	bb
3	3 170810M2_4	Standard	12.500	3.99	7247.529	58876.535	1.539	12.9	3.1	NO		NO	bb
4	4 170810M2_5	Standard	12.500	3.98	6795.770	54908.402	1.547	13.0	3.6	NO		NO	bb
5	5 170810M2_6	Standard	12.500	3.99	7263.316	66408.094	1.367	11.4	-8.4	NO		NO	bb
6	6 170810M2_7	Standard	12.500	3.99	7321.714	50136.242	1.825	15.3	22.3	NO		NO	bb
7	7 170810M2_8	Standard	12.500	3.98	7239.874	55712.629	1.624	13.6	8.8	NO		NO	bb
8	8 170810M2_9	Standard	12.500	3.97	8149.971	65160.934	1.563	13.1	4.7	NO		NO	bb
9	9 170810M2_10	Standard	12.500	3.96	6965.660	61852.313	1.408	11.8	-5.7	NO		NO	bb
10	10 170810M2_11	Standard	12.500	3.96	5075.854	60220.047	1.054	8.8	-29.4	NO		NO	bb

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Compound name: 13C8-PFOS

Response Factor: 1.03984

RRF SD: 0.043134, Relative SD: 4.14815

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	4.03	10626.669	10014.264	13.264	12.8	2.0	NO		NO	bb
2	2 170810M2_3	Standard	12.500	4.04	11363.964	11495.998	12.356	11.9	-4.9	NO		NO	bb
3	3 170810M2_4	Standard	12.500	4.03	10971.130	10441.012	13.135	12.6	1.1	NO		NO	bb
4	4 170810M2_5	Standard	12.500	4.03	11205.850	10602.818	13.211	12.7	1.6	NO		NO	bb
5	5 170810M2_6	Standard	12.500	4.03	11041.968	10918.573	12.641	12.2	-2.7	NO		NO	bb
6	6 170810M2_7	Standard	12.500	4.03	11122.137	9895.137	14.050	13.5	8.1	NO		NO	bb
7	7 170810M2_8	Standard	12.500	4.03	10002.095	10000.603	12.502	12.0	-3.8	NO		NO	bb
8	8 170810M2_9	Standard	12.500	4.02	11632.687	11222.943	12.956	12.5	-0.3	NO		NO	bb
9	9 170810M2_10	Standard	12.500	4.01	10617.809	10708.807	12.394	11.9	-4.6	NO		NO	bd
10	10 170810M2_11	Standard	12.500	4.01	9250.272	8584.092	13.470	13.0	3.6	NO		NO	bd

Compound name: 13C2-PFDA

Response Factor: 0.970789

RRF SD: 0.0673883, Relative SD: 6.9416

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	4.15	55995.238	62130.031	11.266	11.6	-7.2	NO		NO	bb
2	2 170810M2_3	Standard	12.500	4.16	55977.539	56889.133	12.300	12.7	1.4	NO		NO	bb
3	3 170810M2_4	Standard	12.500	4.16	58804.391	63530.797	11.570	11.9	-4.7	NO		NO	bb
4	4 170810M2_5	Standard	12.500	4.16	50928.629	56949.430	11.178	11.5	-7.9	NO		NO	bb
5	5 170810M2_6	Standard	12.500	4.16	56490.598	58825.063	12.004	12.4	-1.1	NO		NO	bb
6	6 170810M2_7	Standard	12.500	4.16	59644.734	57823.469	12.894	13.3	6.3	NO		NO	bb
7	7 170810M2_8	Standard	12.500	4.15	50433.004	53425.855	11.800	12.2	-2.8	NO		NO	bb
8	8 170810M2_9	Standard	12.500	4.14	63572.438	62756.719	12.662	13.0	4.3	NO		NO	bb
9	9 170810M2_10	Standard	12.500	4.13	58295.023	62057.383	11.742	12.1	-3.2	NO		NO	bb
10	10 170810M2_11	Standard	12.500	4.13	52405.832	47017.207	13.933	14.4	14.8	NO		NO	bb

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Compound name: 13C2-8:2 FTS

Response Factor: 0.140279

RRF SD: 0.0220172, Relative SD: 15.6953

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	4.15	7665.451	62130.031	1.542	11.0	-12.0	NO		NO	bb
2	2 170810M2_3	Standard	12.500	4.16	7353.410	56889.133	1.616	11.5	-7.9	NO		NO	bb
3	3 170810M2_4	Standard	12.500	4.16	7736.133	63530.797	1.522	10.9	-13.2	NO		NO	bb
4	4 170810M2_5	Standard	12.500	4.15	7913.699	56949.430	1.737	12.4	-0.9	NO		NO	bb
5	5 170810M2_6	Standard	12.500	4.15	7743.167	58825.063	1.645	11.7	-6.2	NO		NO	bb
6	6 170810M2_7	Standard	12.500	4.15	7632.894	57823.469	1.650	11.8	-5.9	NO		NO	bb
7	7 170810M2_8	Standard	12.500	4.15	7336.241	53425.855	1.716	12.2	-2.1	NO		NO	bb
8	8 170810M2_9	Standard	12.500	4.14	9762.668	62756.719	1.945	13.9	10.9	NO		NO	bb
9	9 170810M2_10	Standard	12.500	4.12	11954.295	62057.383	2.408	17.2	37.3	NO		NO	bb
10	10 170810M2_11	Standard	12.500	4.12	13632.657	47017.207	3.624	25.8	106.7	NO		NO	bbX

Compound name: d3-N-MeFOSAA

Response Factor: 0.0177885

RRF SD: 0.00168688, Relative SD: 9.48297

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	162.500	4.18	13096.980	56516.137	2.897	162.8	0.2	NO		NO	bb
2	2 170810M2_3	Standard	162.500	4.19	13619.695	54058.969	3.149	177.0	8.9	NO		NO	bb
3	3 170810M2_4	Standard	162.500	4.19	13420.139	58876.535	2.849	160.2	-1.4	NO		NO	bb
4	4 170810M2_5	Standard	162.500	4.18	14342.013	54908.402	3.265	183.5	13.0	NO		NO	bb
5	5 170810M2_6	Standard	162.500	4.18	14009.009	66408.094	2.637	148.2	-8.8	NO		NO	bb
6	6 170810M2_7	Standard	162.500	4.18	13329.100	50136.242	3.323	186.8	15.0	NO		NO	bb
7	7 170810M2_8	Standard	162.500	4.18	12505.077	55712.629	2.806	157.7	-2.9	NO		NO	bb
8	8 170810M2_9	Standard	162.500	4.17	14369.895	65160.934	2.757	155.0	-4.6	NO		NO	bb
9	9 170810M2_10	Standard	162.500	4.16	13581.694	61852.313	2.745	154.3	-5.0	NO		NO	bb
10	10 170810M2_11	Standard	162.500	4.16	11942.306	60220.047	2.479	139.4	-14.2	NO		NO	bb

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Compound name: d5-N-EtFOSAA

Response Factor: 0.018231

RRF SD: 0.00158227, Relative SD: 8.67901

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	162.500	4.25	13212.761	56516.137	2.922	160.3	-1.4	NO		NO	bb
2	2 170810M2_3	Standard	162.500	4.26	13188.293	54058.969	3.050	167.3	2.9	NO		NO	bb
3	3 170810M2_4	Standard	162.500	4.26	13739.960	58876.535	2.917	160.0	-1.5	NO		NO	bb
4	4 170810M2_5	Standard	162.500	4.25	13472.679	54908.402	3.067	168.2	3.5	NO		NO	bb
5	5 170810M2_6	Standard	162.500	4.25	13386.724	66408.094	2.520	138.2	-14.9	NO		NO	bb
6	6 170810M2_7	Standard	162.500	4.25	14147.375	50136.242	3.527	193.5	19.1	NO		NO	bb
7	7 170810M2_8	Standard	162.500	4.25	13121.947	55712.629	2.944	161.5	-0.6	NO		NO	bb
8	8 170810M2_9	Standard	162.500	4.23	15456.478	65160.934	2.965	162.6	0.1	NO		NO	bb
9	9 170810M2_10	Standard	162.500	4.23	14790.417	61852.313	2.989	164.0	0.9	NO		NO	bb
10	10 170810M2_11	Standard	162.500	4.22	13123.576	60220.047	2.724	149.4	-8.0	NO		NO	bb

Compound name: 13C2-PFUnA

Response Factor: 1.08514

RRF SD: 0.0880815, Relative SD: 8.11704

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	4.33	57444.809	56516.137	12.705	11.7	-6.3	NO		NO	bb
2	2 170810M2_3	Standard	12.500	4.34	62078.648	54058.969	14.354	13.2	5.8	NO		NO	bb
3	3 170810M2_4	Standard	12.500	4.34	64503.668	58876.535	13.695	12.6	1.0	NO		NO	bb
4	4 170810M2_5	Standard	12.500	4.33	59270.816	54908.402	13.493	12.4	-0.5	NO		NO	bb
5	5 170810M2_6	Standard	12.500	4.32	69700.664	66408.094	13.120	12.1	-3.3	NO		NO	bb
6	6 170810M2_7	Standard	12.500	4.34	61611.820	50136.242	15.361	14.2	13.2	NO		NO	bb
7	7 170810M2_8	Standard	12.500	4.33	52882.594	55712.629	11.865	10.9	-12.5	NO		NO	bb
8	8 170810M2_9	Standard	12.500	4.32	68600.250	65160.934	13.160	12.1	-3.0	NO		NO	bb
9	9 170810M2_10	Standard	12.500	4.30	74813.570	61852.313	15.119	13.9	11.5	NO		NO	bb
10	10 170810M2_11	Standard	12.500	4.30	61521.715	60220.047	12.770	11.8	-5.9	NO		NO	bb

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Compound name: 13C2-PFDoA

Response Factor: 0.123132

RRF SD: 0.0129407, Relative SD: 10.5096

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	4.51	6520.931	56516.137	1.442	11.7	-6.3	NO		NO	bb
2	2 170810M2_3	Standard	12.500	4.52	7169.665	54058.969	1.658	13.5	7.7	NO		NO	bb
3	3 170810M2_4	Standard	12.500	4.52	7950.386	58876.535	1.688	13.7	9.7	NO		NO	bb
4	4 170810M2_5	Standard	12.500	4.51	7572.749	54908.402	1.724	14.0	12.0	NO		NO	bb
5	5 170810M2_6	Standard	12.500	4.51	6676.272	66408.094	1.257	10.2	-18.4	NO		NO	bb
6	6 170810M2_7	Standard	12.500	4.51	7074.396	50136.242	1.764	14.3	14.6	NO		NO	bb
7	7 170810M2_8	Standard	12.500	4.51	6639.138	55712.629	1.490	12.1	-3.2	NO		NO	bb
8	8 170810M2_9	Standard	12.500	4.49	7805.791	65160.934	1.497	12.2	-2.7	NO		NO	bb
9	9 170810M2_10	Standard	12.500	4.48	7118.316	61852.313	1.439	11.7	-6.5	NO		NO	bb
10	10 170810M2_11	Standard	12.500	4.48	6906.029	60220.047	1.433	11.6	-6.9	NO		NO	MM

Compound name: d3-N-MeFOSA

Response Factor: 0.0432669

RRF SD: 0.0047116, Relative SD: 10.8896

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	150.000	4.58	27716.932	56516.137	6.130	141.7	-5.5	NO		NO	bb
2	2 170810M2_3	Standard	150.000	4.59	27527.555	54058.969	6.365	147.1	-1.9	NO		NO	bb
3	3 170810M2_4	Standard	150.000	4.59	27554.281	58876.535	5.850	135.2	-9.9	NO		NO	bb
4	4 170810M2_5	Standard	150.000	4.58	27954.211	54908.402	6.364	147.1	-1.9	NO		NO	bb
5	5 170810M2_6	Standard	150.000	4.58	26972.852	66408.094	5.077	117.3	-21.8	NO		NO	bb
6	6 170810M2_7	Standard	150.000	4.57	29265.723	50136.242	7.297	168.6	12.4	NO		NO	bb
7	7 170810M2_8	Standard	150.000	4.55	29202.176	55712.629	6.552	151.4	1.0	NO		NO	bb
8	8 170810M2_9	Standard	150.000	4.54	35066.203	65160.934	6.727	155.5	3.6	NO		NO	bb
9	9 170810M2_10	Standard	150.000	4.53	36176.391	61852.313	7.311	169.0	12.7	NO		NO	bb
10	10 170810M2_11	Standard	150.000	4.53	34819.609	60220.047	7.228	167.0	11.4	NO		NO	bb

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Compound name: 13C2-PFTeDA

Response Factor: 0.797804

RRF SD: 0.0690308, Relative SD: 8.6526

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	4.90	43934.512	56516.137	9.717	12.2	-2.6	NO		NO	bb
2	2 170810M2_3	Standard	12.500	4.91	44478.961	54058.969	10.285	12.9	3.1	NO		NO	bb
3	3 170810M2_4	Standard	12.500	4.91	48823.219	58876.535	10.366	13.0	3.9	NO		NO	bb
4	4 170810M2_5	Standard	12.500	4.90	47903.941	54908.402	10.905	13.7	9.4	NO		NO	bb
5	5 170810M2_6	Standard	12.500	4.90	43352.480	66408.094	8.160	10.2	-18.2	NO		NO	bb
6	6 170810M2_7	Standard	12.500	4.90	45414.316	50136.242	11.323	14.2	13.5	NO		NO	bb
7	7 170810M2_8	Standard	12.500	4.90	43089.582	55712.629	9.668	12.1	-3.1	NO		NO	bb
8	8 170810M2_9	Standard	12.500	4.87	49984.359	65160.934	9.589	12.0	-3.8	NO		NO	bb
9	9 170810M2_10	Standard	12.500	4.86	50076.543	61852.313	10.120	12.7	1.5	NO		NO	MM
10	10 170810M2_11	Standard	12.500	4.86	46214.285	60220.047	9.593	12.0	-3.8	NO		NO	MM

Compound name: d5-N-ETFOSA

Response Factor: 0.0556786

RRF SD: 0.00566563, Relative SD: 10.1756

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	150.000	5.02	35807.328	56516.137	7.920	142.2	-5.2	NO		NO	bb
2	2 170810M2_3	Standard	150.000	5.03	35651.246	54058.969	8.244	148.1	-1.3	NO		NO	bb
3	3 170810M2_4	Standard	150.000	5.03	36907.691	58876.535	7.836	140.7	-6.2	NO		NO	bb
4	4 170810M2_5	Standard	150.000	5.03	37358.246	54908.402	8.505	152.7	1.8	NO		NO	bb
5	5 170810M2_6	Standard	150.000	5.02	34930.285	66408.094	6.575	118.1	-21.3	NO		NO	bb
6	6 170810M2_7	Standard	150.000	5.01	38343.563	50136.242	9.560	171.7	14.5	NO		NO	bb
7	7 170810M2_8	Standard	150.000	5.00	36419.504	55712.629	8.171	146.8	-2.2	NO		NO	bb
8	8 170810M2_9	Standard	150.000	4.98	43820.121	65160.934	8.406	151.0	0.7	NO		NO	bb
9	9 170810M2_10	Standard	150.000	4.97	46286.176	61852.313	9.354	168.0	12.0	NO		NO	bb
10	10 170810M2_11	Standard	150.000	4.97	43106.852	60220.047	8.948	160.7	7.1	NO		NO	bb

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Compound name: 13C2-PFHxDA

Response Factor: 0.92647

RRF SD: 0.0912877, Relative SD: 9.85328

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	5.000	5.29	20425.877	56516.137	4.518	4.9	-2.5	NO		NO	bb
2	2 170810M2_3	Standard	5.000	5.30	20498.971	54058.969	4.740	5.1	2.3	NO		NO	bb
3	3 170810M2_4	Standard	5.000	5.30	21206.127	58876.535	4.502	4.9	-2.8	NO		NO	bb
4	4 170810M2_5	Standard	5.000	5.29	22826.240	54908.402	5.196	5.6	12.2	NO		NO	bb
5	5 170810M2_6	Standard	5.000	5.28	20867.588	66408.094	3.928	4.2	-15.2	NO		NO	bb
6	6 170810M2_7	Standard	5.000	5.29	21425.330	50136.242	5.342	5.8	15.3	NO		NO	bb
7	7 170810M2_8	Standard	5.000	5.28	19445.941	55712.629	4.363	4.7	-5.8	NO		NO	bb
8	8 170810M2_9	Standard	5.000	5.26	23300.309	65160.934	4.470	4.8	-3.5	NO		NO	MM
9	9 170810M2_10	Standard	5.000	5.25	15976.768	61852.313	3.229	3.5	-30.3	NO		NO	bbX
10	10 170810M2_11	Standard	5.000	5.24	11401.953	60220.047	2.367	2.6	-48.9	NO		NO	bbX

Compound name: d7-N-MeFOSE

Response Factor: 0.0594448

RRF SD: 0.00621154, Relative SD: 10.4492

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	150.000	5.26	37456.684	56516.137	8.285	139.4	-7.1	NO		NO	bb
2	2 170810M2_3	Standard	150.000	5.28	37182.391	54058.969	8.598	144.6	-3.6	NO		NO	bb
3	3 170810M2_4	Standard	150.000	5.28	38748.840	58876.535	8.227	138.4	-7.7	NO		NO	bb
4	4 170810M2_5	Standard	150.000	5.27	38784.367	54908.402	8.829	148.5	-1.0	NO		NO	bb
5	5 170810M2_6	Standard	150.000	5.26	37768.906	66408.094	7.109	119.6	-20.3	NO		NO	bb
6	6 170810M2_7	Standard	150.000	5.27	41681.102	50136.242	10.392	174.8	16.5	NO		NO	bb
7	7 170810M2_8	Standard	150.000	5.26	40391.512	55712.629	9.062	152.5	1.6	NO		NO	bb
8	8 170810M2_9	Standard	150.000	5.25	48233.188	65160.934	9.253	155.7	3.8	NO		NO	bb
9	9 170810M2_10	Standard	150.000	5.24	48233.070	61852.313	9.748	164.0	9.3	NO		NO	bb
10	10 170810M2_11	Standard	150.000	5.24	46562.453	60220.047	9.665	162.6	8.4	NO		NO	bb

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Compound name: d9-N-EtFOSE

Response Factor: 0.0594811

RRF SD: 0.00676808, Relative SD: 11.3785

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	150.000	5.44	36366.551	56516.137	8.043	135.2	-9.8	NO		NO	bb
2	2 170810M2_3	Standard	150.000	5.45	37921.910	54058.969	8.769	147.4	-1.7	NO		NO	bb
3	3 170810M2_4	Standard	150.000	5.44	37938.703	58876.535	8.055	135.4	-9.7	NO		NO	bb
4	4 170810M2_5	Standard	150.000	5.44	39692.059	54908.402	9.036	151.9	1.3	NO		NO	bb
5	5 170810M2_6	Standard	150.000	5.44	37298.547	66408.094	7.021	118.0	-21.3	NO		NO	bb
6	6 170810M2_7	Standard	150.000	5.44	39826.883	50136.242	9.930	166.9	11.3	NO		NO	bb
7	7 170810M2_8	Standard	150.000	5.43	39464.043	55712.629	8.854	148.9	-0.8	NO		NO	bb
8	8 170810M2_9	Standard	150.000	5.42	48142.445	65160.934	9.235	155.3	3.5	NO		NO	bb
9	9 170810M2_10	Standard	150.000	5.41	50641.645	61852.313	10.234	172.1	14.7	NO		NO	bb
10	10 170810M2_11	Standard	150.000	5.41	48390.172	60220.047	10.044	168.9	12.6	NO		NO	bb

Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 7.40149e-017, Relative SD: 7.40149e-015

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	1.91	17253.230	17253.230	12.500	12.5	0.0	NO		NO	bb
2	2 170810M2_3	Standard	12.500	1.92	17209.924	17209.924	12.500	12.5	0.0	NO		NO	bb
3	3 170810M2_4	Standard	12.500	1.92	17869.518	17869.518	12.500	12.5	0.0	NO		NO	bb
4	4 170810M2_5	Standard	12.500	1.91	17173.609	17173.609	12.500	12.5	0.0	NO		NO	bb
5	5 170810M2_6	Standard	12.500	1.91	18114.355	18114.355	12.500	12.5	0.0	NO		NO	bb
6	6 170810M2_7	Standard	12.500	1.91	18442.018	18442.018	12.500	12.5	0.0	NO		NO	bb
7	7 170810M2_8	Standard	12.500	1.92	17753.158	17753.158	12.500	12.5	0.0	NO		NO	bb
8	8 170810M2_9	Standard	12.500	1.91	21098.885	21098.885	12.500	12.5	0.0	NO		NO	bb
9	9 170810M2_10	Standard	12.500	1.90	20835.586	20835.586	12.500	12.5	0.0	NO		NO	bb
10	10 170810M2_11	Standard	12.500	1.90	20606.902	20606.902	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C5-PFHxA

Response Factor: 1

RRF SD: 0, Relative SD: 0

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	5.000	3.32	38245.879	38245.879	5.000	5.0	0.0	NO		NO	bb
2	2 170810M2_3	Standard	5.000	3.32	40090.316	40090.316	5.000	5.0	0.0	NO		NO	bb
3	3 170810M2_4	Standard	5.000	3.32	41622.215	41622.215	5.000	5.0	0.0	NO		NO	bb
4	4 170810M2_5	Standard	5.000	3.32	39798.098	39798.098	5.000	5.0	0.0	NO		NO	bb
5	5 170810M2_6	Standard	5.000	3.32	41689.316	41689.316	5.000	5.0	0.0	NO		NO	bb
6	6 170810M2_7	Standard	5.000	3.32	41735.027	41735.027	5.000	5.0	0.0	NO		NO	bb
7	7 170810M2_8	Standard	5.000	3.32	39240.863	39240.863	5.000	5.0	0.0	NO		NO	bb
8	8 170810M2_9	Standard	5.000	3.31	46120.840	46120.840	5.000	5.0	0.0	NO		NO	bb
9	9 170810M2_10	Standard	5.000	3.30	45642.266	45642.266	5.000	5.0	0.0	NO		NO	bb
10	10 170810M2_11	Standard	5.000	3.30	44306.922	44306.922	5.000	5.0	0.0	NO		NO	bb

Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 0, Relative SD: 0

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	3.65	7282.960	7282.960	12.500	12.5	0.0	NO		NO	bb
2	2 170810M2_3	Standard	12.500	3.65	8095.660	8095.660	12.500	12.5	0.0	NO		NO	bb
3	3 170810M2_4	Standard	12.500	3.65	8554.390	8554.390	12.500	12.5	0.0	NO		NO	bb
4	4 170810M2_5	Standard	12.500	3.64	9118.271	9118.271	12.500	12.5	0.0	NO		NO	bb
5	5 170810M2_6	Standard	12.500	3.64	8806.590	8806.590	12.500	12.5	0.0	NO		NO	bb
6	6 170810M2_7	Standard	12.500	3.64	8875.088	8875.088	12.500	12.5	0.0	NO		NO	bb
7	7 170810M2_8	Standard	12.500	3.64	8462.481	8462.481	12.500	12.5	0.0	NO		NO	bb
8	8 170810M2_9	Standard	12.500	3.63	9360.616	9360.616	12.500	12.5	0.0	NO		NO	bb
9	9 170810M2_10	Standard	12.500	3.63	9070.533	9070.533	12.500	12.5	0.0	NO		NO	bb
10	10 170810M2_11	Standard	12.500	3.62	8491.929	8491.929	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 1.11022e-016, Relative SD: 1.11022e-014

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	3.78	54603.613	54603.613	12.500	12.5	0.0	NO		NO	bb
2	2 170810M2_3	Standard	12.500	3.78	58987.684	58987.684	12.500	12.5	0.0	NO		NO	bb
3	3 170810M2_4	Standard	12.500	3.79	60428.516	60428.516	12.500	12.5	0.0	NO		NO	bb
4	4 170810M2_5	Standard	12.500	3.78	61095.281	61095.281	12.500	12.5	0.0	NO		NO	bb
5	5 170810M2_6	Standard	12.500	3.78	56983.695	56983.695	12.500	12.5	0.0	NO		NO	bb
6	6 170810M2_7	Standard	12.500	3.78	53819.109	53819.109	12.500	12.5	0.0	NO		NO	bb
7	7 170810M2_8	Standard	12.500	3.78	52844.020	52844.020	12.500	12.5	0.0	NO		NO	bb
8	8 170810M2_9	Standard	12.500	3.76	63696.625	63696.625	12.500	12.5	0.0	NO		NO	bb
9	9 170810M2_10	Standard	12.500	3.76	61971.621	61971.621	12.500	12.5	0.0	NO		NO	bb
10	10 170810M2_11	Standard	12.500	3.76	53950.348	53950.348	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 8.27511e-017, Relative SD: 8.27511e-015

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

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	3.97	62822.277	62822.277	12.500	12.5	0.0	NO		NO	bb
2	2 170810M2_3	Standard	12.500	3.98	69006.492	69006.492	12.500	12.5	0.0	NO		NO	bb
3	3 170810M2_4	Standard	12.500	3.98	64031.563	64031.563	12.500	12.5	0.0	NO		NO	bb
4	4 170810M2_5	Standard	12.500	3.97	63786.367	63786.367	12.500	12.5	0.0	NO		NO	bb
5	5 170810M2_6	Standard	12.500	3.97	59683.719	59683.719	12.500	12.5	0.0	NO		NO	bb
6	6 170810M2_7	Standard	12.500	3.97	67704.961	67704.961	12.500	12.5	0.0	NO		NO	bb
7	7 170810M2_8	Standard	12.500	3.97	61617.066	61617.066	12.500	12.5	0.0	NO		NO	bb
8	8 170810M2_9	Standard	12.500	3.96	67146.039	67146.039	12.500	12.5	0.0	NO		NO	bb
9	9 170810M2_10	Standard	12.500	3.96	65393.742	65393.742	12.500	12.5	0.0	NO		NO	bb
10	10 170810M2_11	Standard	12.500	3.95	55705.484	55705.484	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time
 Printed: Friday, August 11, 2017 09:12:47 Pacific Daylight Time

Compound name: 13C4-PFOS

Response Factor: 1

RRF SD: 0, Relative SD: 0

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	4.03	10014.264	10014.264	12.500	12.5	0.0	NO		NO	bb
2	2 170810M2_3	Standard	12.500	4.03	11495.998	11495.998	12.500	12.5	0.0	NO		NO	bb
3	3 170810M2_4	Standard	12.500	4.04	10441.012	10441.012	12.500	12.5	0.0	NO		NO	bb
4	4 170810M2_5	Standard	12.500	4.03	10602.818	10602.818	12.500	12.5	0.0	NO		NO	bb
5	5 170810M2_6	Standard	12.500	4.03	10918.573	10918.573	12.500	12.5	0.0	NO		NO	bb
6	6 170810M2_7	Standard	12.500	4.03	9895.137	9895.137	12.500	12.5	0.0	NO		NO	bb
7	7 170810M2_8	Standard	12.500	4.03	10000.603	10000.603	12.500	12.5	0.0	NO		NO	bb
8	8 170810M2_9	Standard	12.500	4.02	11222.943	11222.943	12.500	12.5	0.0	NO		NO	bb
9	9 170810M2_10	Standard	12.500	4.01	10708.807	10708.807	12.500	12.5	0.0	NO		NO	bb
10	10 170810M2_11	Standard	12.500	4.01	8584.092	8584.092	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 8.27511e-017, Relative SD: 8.27511e-015

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	4.16	62130.031	62130.031	12.500	12.5	0.0	NO		NO	bb
2	2 170810M2_3	Standard	12.500	4.16	56889.133	56889.133	12.500	12.5	0.0	NO		NO	bb
3	3 170810M2_4	Standard	12.500	4.16	63530.797	63530.797	12.500	12.5	0.0	NO		NO	bb
4	4 170810M2_5	Standard	12.500	4.16	56949.430	56949.430	12.500	12.5	0.0	NO		NO	bb
5	5 170810M2_6	Standard	12.500	4.16	58825.063	58825.063	12.500	12.5	0.0	NO		NO	bb
6	6 170810M2_7	Standard	12.500	4.16	57823.469	57823.469	12.500	12.5	0.0	NO		NO	bb
7	7 170810M2_8	Standard	12.500	4.15	53425.855	53425.855	12.500	12.5	0.0	NO		NO	bb
8	8 170810M2_9	Standard	12.500	4.14	62756.719	62756.719	12.500	12.5	0.0	NO		NO	bb
9	9 170810M2_10	Standard	12.500	4.13	62057.383	62057.383	12.500	12.5	0.0	NO		NO	bb
10	10 170810M2_11	Standard	12.500	4.13	47017.207	47017.207	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time
Printed: Friday, August 11, 2017 09:12:47 Pacific Daylight Time

Compound name: 13C7-PFUnA

Response Factor: 1

RRF SD: 3.70074e-017, Relative SD: 3.70074e-015

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

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 170810M2_2	Standard	12.500	4.33	56516.137	56516.137	12.500	12.5	0.0	NO		NO	bb
2	2 170810M2_3	Standard	12.500	4.34	54058.969	54058.969	12.500	12.5	0.0	NO		NO	bb
3	3 170810M2_4	Standard	12.500	4.34	58876.535	58876.535	12.500	12.5	0.0	NO		NO	bb
4	4 170810M2_5	Standard	12.500	4.34	54908.402	54908.402	12.500	12.5	0.0	NO		NO	bb
5	5 170810M2_6	Standard	12.500	4.33	66408.094	66408.094	12.500	12.5	0.0	NO		NO	bb
6	6 170810M2_7	Standard	12.500	4.33	50136.242	50136.242	12.500	12.5	0.0	NO		NO	bb
7	7 170810M2_8	Standard	12.500	4.32	55712.629	55712.629	12.500	12.5	0.0	NO		NO	bb
8	8 170810M2_9	Standard	12.500	4.31	65160.934	65160.934	12.500	12.5	0.0	NO		NO	bb
9	9 170810M2_10	Standard	12.500	4.30	61852.313	61852.313	12.500	12.5	0.0	NO		NO	bb
10	10 170810M2_11	Standard	12.500	4.30	60220.047	60220.047	12.500	12.5	0.0	NO		NO	bb

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170810M2.SPL
 Last Modified: Thursday, August 10, 2017 20:07:32 Pacific Daylight Time
 Printed: Thursday, August 10, 2017 20:46:13 Pacific Daylight Time

File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
1	---	IPA	IPA	1.0000	1:48	Blank
2	---	ST170810M2-1 PFC CS-2 17H1015	PFC CS-2 17H1015	1.0000	1:1	Standard
3	---	ST170810M2-2 PFC CS-1 17H1003	PFC CS-1 17H1003	1.0000	1:2	Standard
4	---	ST170810M2-3 PFC CS0 17H1004	PFC CS0 17H1004	1.0000	1:3	Standard
5	---	ST170810M2-4 PFC CS1 17H1016	PFC CS1 17H1016	1.0000	1:4	Standard
6	---	ST170810M2-5 PFC CS2 17H1017	PFC CS2 17H1017	1.0000	1:5	Standard
7	---	ST170810M2-6 PFC CS3 17H1005	PFC CS3 17H1005	1.0000	1:6	Standard
8	---	ST170810M2-7 PFC CS4 17H1018	PFC CS4 17H1018	1.0000	1:7	Standard
9	---	ST170810M2-8 PFC CS5 17H1019	PFC CS5 17H1019	1.0000	1:8	Standard
10	---	ST170810M2-9 PFC CS6 17H1013	PFC CS6 17H1013	1.0000	1:9	Standard
11	---	ST170810M2-10 PFC CS7 17H1012	PFC CS7 17H1012	1.0000	1:10	Analyte
12	---	IPA	IPA	1.0000	1:48	Blank
13	---	SS170810M2-1 PFC SSS 17H1020	PFC SSS 17H1020	1.0000	1:11	Analyte
14	---	IPA	IPA	1.0000	1:48	Blank
15	O	1700946-05RE1 MATP05077 1.06	MATP05077	1.0233	1:12	Analyte
16	---	IPA	IPA	1.0000	1:48	Blank
17	O	1700946-05RE1@5X MATP05077 1.06	MATP05077	1.0233	1:13	Analyte
18	---	IPA	IPA	1.0000	1:48	Blank
19	X	B7H0026-BS1 OPR 1	OPR	1.0000	1:14	Analyte
20	---	IPA	IPA	1.0000	1:48	Blank
21	X	B7H0026-BLK1 Method Blank 1	Method Blank	1.0000	1:15	Analyte
22	---	IPA	IPA	1.0000	1:48	Blank
23	X	1700946-01 MATP05073 1	MATP05073	1.0000	1:16	Analyte
24	X	1700946-02 MATP05074 1	MATP05074	1.0000	1:17	Analyte
25	X	1700946-03 MATP05075 1	MATP05075	1.0000	1:18	Analyte
26	---	1700946-05 MATP05077 1	MATP05077	1.0000	1:19	Analyte
27	---	IPA	IPA	1.0000	1:48	Blank
28	X	1700946-04 MATP05076 1	MATP05076	1.0000	1:20	Analyte
29	---	IPA	IPA	1.0000	1:48	Blank
30	---	1700946-05@10X MATP05077 1	MATP05077	1.0000	1:22	Analyte
31	---	IPA	IPA	1.0000	1:48	Blank
32	X	1700946-04@10X MATP05076 1	MATP05076	1.0000	1:23	Analyte
33	---	IPA	IPA	1.0000	1:48	Blank
34	---	B7H0037-BS1 OPR 0.125	OPR	0.2500	1:24	Analyte
35	---	IPA	IPA	1.0000	1:48	Blank
36	X	1701010-02@10X VEL-FOAM-080317 0.125	VEL-FOAM-080317	0.0065	1:25	Analyte
37	---	IPA	IPA	1.0000	1:48	Blank
38	---	ST170810M2-11 PFC CS3 17H1005	PFC CS3 17H1005	1.0000	1:6	Standard
39	---	IPA	IPA	1.0000	1:48	Blank
40	X	1701010-02 VEL-FOAM-080317 0.125	VEL-FOAM-080317	0.1250	1:26	Analyte



(A) Work Order 1701038 scanned, new curve run due to slight shifts in P.T. on 8/10/17

DM 8/10/17

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170810M2.SPL
 Last Modified: Thursday, August 10, 2017 20:07:32 Pacific Daylight Time
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	File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
41	170810M2_41	---	IPA	IPA	1.0000	1:48	Blank
42	170810M2_42	---	B7H0060-BS1 OPR 2.5	OPR	2.5000	1:27	Analyte
43	170810M2_43	---	B7H0073-BS1 OPR 0.125	OPR	0.1250	1:28	Analyte
44	170810M2_44	---	B7H0074-BS1 OPR 0.125	OPR	0.1250	1:29	Analyte
45	170810M2_45	---	B7H0060-BLK1 Method Blank 2.5	Method Blank	2.5000	1:30	Analyte
46	170810M2_46	---	B7H0073-BLK1 Method Blank 0.125	Method Blank	0.1250	1:31	Analyte
47	170810M2_47	---	B7H0074-BLK1 Method Blank 0.125	Method Blank	0.1250	1:32	Analyte
48	170810M2_48	---	B7H0073-MS1 Matrix Spike 0.0005	Matrix Spike	0.0005	1:33	Analyte
49	170810M2_49	---	IPA	IPA	1.0000	1:48	Blank
50	170810M2_50	---	B7H0073-MSD1 Matrix Spike Dup 0.00139	Matrix Spike Dup	0.0014	1:34	Analyte
51	170810M2_51	---	IPA	IPA	1.0000	1:48	Blank
52	170810M2_52	---	B7H0074-MS1 Matrix Spike 0.125	Matrix Spike	0.1250	1:35	Analyte
53	170810M2_53	---	B7H0074-MSD1 Matrix Spike Dup 0.125	Matrix Spike Dup	0.1250	1:36	Analyte
54	170810M2_54	---	1700819-01RE1 QPFD-14 2.5	QPFD-14	2.5000	1:37	Analyte
55	170810M2_55	---	1700819-02RE1 QPFD-15 2.5	QPFD-15	2.5000	1:38	Analyte
56	170810M2_56	---	IPA	IPA	1.0000	1:48	Blank
57	170810M2_57	---	1700819-03RE1 QPFD-16 2.5	QPFD-16	2.5000	1:39	Analyte
58	170810M2_58	---	1700819-04RE1 QPFD-17 2	QPFD-17	2.0000	1:40	Analyte
59	170810M2_59	---	1700819-05RE1 QPFD-18 2.5	QPFD-18	2.5000	1:41	Analyte
60	170810M2_60	---	1700819-06RE1 QPFD-19 2.5	QPFD-19	2.5000	1:42	Analyte
61	170810M2_61	---	1700819-07RE1 QPFD-20 2.5	QPFD-20	2.5000	1:43	Analyte
62	170810M2_62	---	1700819-08RE1 QPFD-21 2.5	QPFD-21	2.5000	1:44	Analyte
63	170810M2_63	---	1700819-09RE1 QPFD-22 2.5	QPFD-22	2.5000	1:45	Analyte
64	170810M2_64	---	1700819-10RE1 QPFD-23 2.5	QPFD-23	2.5000	1:46	Analyte
65	170810M2_65	---	IPA	IPA	1.0000	1:48	Blank
66	170810M2_66	---	ST170810M2-12 PFC CS0 17H1004	PFC CS0 17H1004	1.0000	1:3	Standard
67	170810M2_67	---	IPA	IPA	1.0000	1:48	Blank
68	170810M2_68	---	1700819-11RE1 QPFD-24 2.5	QPFD-24	2.5000	1:47	Analyte
69	170810M2_69	---	1700819-12RE1 QPFD-25 2.5	QPFD-25	2.5000	2:1	Analyte
70	170810M2_70	---	1700819-13RE1 QPFD-26 2.5	QPFD-26	2.5000	2:2	Analyte
71	170810M2_71	---	1700925-04RE2 I001MW52S-170724 0.00122	I001MW52S-170724	0.0012	2:3	Analyte
72	170810M2_72	---	IPA	IPA	1.0000	1:48	Blank
73	170810M2_73	---	1700925-05RE2 I001MW52X-170724 0.00133	I001MW52X-170724	0.0013	2:4	Analyte
74	170810M2_74	---	IPA	IPA	1.0000	1:48	Blank
75	170810M2_75	---	1700922-01RE1 MH-L103-20170721 0.10565	MH-L103-20170721	0.1056	2:5	Analyte
76	170810M2_76	---	1700922-02RE1 MH-N104-20170721 0.11025	MH-N104-20170721	0.1103	2:6	Analyte
77	170810M2_77	---	1700922-03RE1 Upstream-Culvert-109-20170721 0.1185	Upstream-Culvert-109-20170721	0.1185	2:7	Analyte
78	170810M2_78	---	1700922-04RE1 FRB03-20170721 0.11017	FRB03-20170721	0.1102	2:8	Analyte
79	170810M2_79	---	1700922-05RE1 RB08-20170720 0.11893	RB08-20170720	0.1189	2:9	Analyte
80	170810M2_80	---	IPA	IPA	1.0000	1:48	Blank

Sample List Report

MassLynx MassLynx V4.1 SCN945 SCN960

Sample List: U:\Q4.PRO\SampleDB\170810M2.SPL
 Last Modified: Thursday, August 10, 2017 20:07:32 Pacific Daylight Time
 Printed: Thursday, August 10, 2017 20:46:13 Pacific Daylight Time

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File Name	RS OK=X	Sample ID	File Text	User Divisor 1	Bottle	Sample Type
81 170810M2_81	X	ST170810M2-13 PFC CS3 17H1005	PFC CS3 17H1005	1.0000	1:6	Analyte
82 170810M2_82	---	IPA	IPA	1.0000	1:48	Blank
83 170810M2_83	---	1700922-06RE1 RB09-20170721 0.11676	RB09-20170721	0.1168	2:10	Analyte
84 170810M2_84	---	1700925-01RE1 I001BC43S-170724 0.12112	I001BC43S-170724	0.1211	2:11	Analyte
85 170810M2_85	---	1700925-02RE1 SB01-170724 0.12178	SB01-170724	0.1218	2:12	Analyte
86 170810M2_86	---	1700925-03RE1 I001BC50S-170724 0.12135	I001BC50S-170724	0.1214	2:13	Analyte
87 170810M2_87	---	1700925-06RE1 EB01-170724 0.1185	EB01-170724	0.1185	2:14	Analyte
88 170810M2_88	---	1700929-01RE1 MATP01001 0.11834	MATP01001	0.1183	2:15	Analyte
89 170810M2_89	---	1700929-02RE1 MATP01002 0.1157	MATP01002	0.1157	2:16	Analyte
90 170810M2_90	---	1700938-01RE1 NORP08102 0.11844	NORP08102	0.1184	2:17	Analyte
91 170810M2_91	---	1700938-02RE1 NORP08103 0.12014	NORP08103	0.1201	2:18	Analyte
92 170810M2_92	---	1700938-03RE1 NORP08104 0.11247	NORP08104	0.1125	2:19	Analyte
93 170810M2_93	---	IPA	IPA	1.0000	1:48	Blank
94 170810M2_94	---	ST170810M2-14 PFC CS3 17H1005	PFC CS3 17H1005	1.0000	1:6	Standard
95 170810M2_95	---	IPA	IPA	1.0000	1:48	Blank
96 170810M2_96	---	1700819-02RE1 QPFD-15 2.5	QPFD-15	2.5000	1:21	Analyte
97 170810M2_97	---	IPA	IPA	1.0000	1:48	Blank
98 170810M2_98	---	B7H0073-MS1@20X Matrix Spike 0.0005	Matrix Spike	0.0005	2:20	Analyte
99 170810M2_99	---	IPA	IPA	1.0000	1:48	Blank
100 170810M2_100	---	B7H0073-MSD1@20X Matrix Spike Dup 0.00139	Matrix Spike Dup	0.0014	2:21	Analyte
101 170810M2_101	---	IPA	IPA	1.0000	1:48	Blank
102 170810M2_102	---	1700925-04RE2 I001MW52S-170724 0.00122	I001MW52S-170724	0.0012	2:22	Analyte
103 170810M2_103	---	IPA	IPA	1.0000	1:48	Blank
104 170810M2_104	---	1700925-05RE2 I001MW52X-170724 0.00133	I001MW52X-170724	0.0013	2:23	Analyte
105 170810M2_105	---	IPA	IPA	1.0000	1:48	Blank
106 170810M2_106	X	ST170810M2-15 PFC CS3 17H1005	PFC CS3 17H1005	1.0000	1:6	Analyte
107 170810M2_107	---	IPA	IPA	1.0000	1:48	Blank

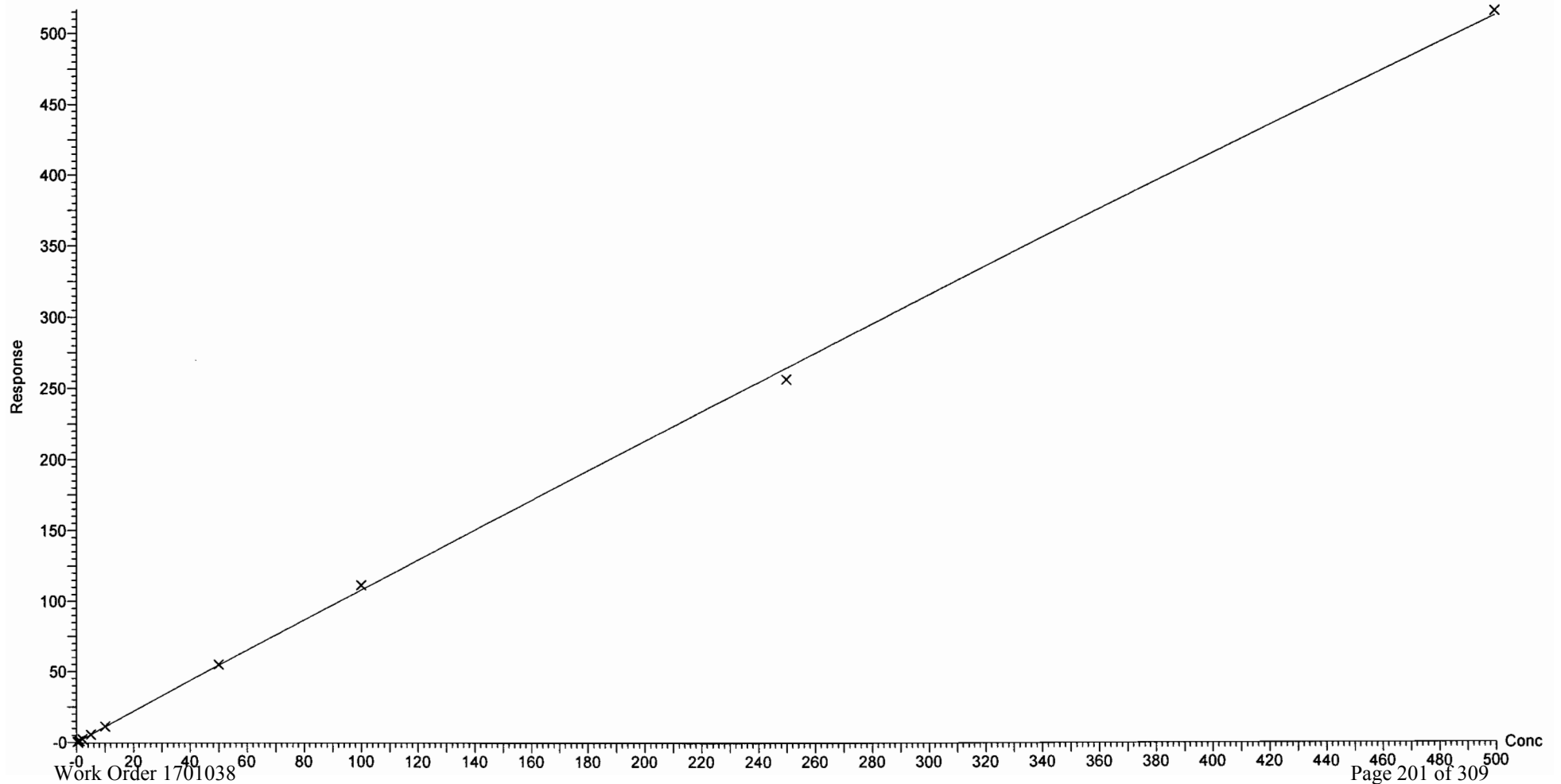
Ⓟ PFDa, PFDa, PFDa, PFDa, & PFDa shifted out of window, samples not injected. am 8/11/17

Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time
Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-10-17.mdb 11 Aug 2017 08:55:25
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Compound name: PFBA
Coefficient of Determination: $R^2 = 0.999558$
Calibration curve: $-0.000132012 * x^2 + 1.09237 * x + 0.0597566$
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

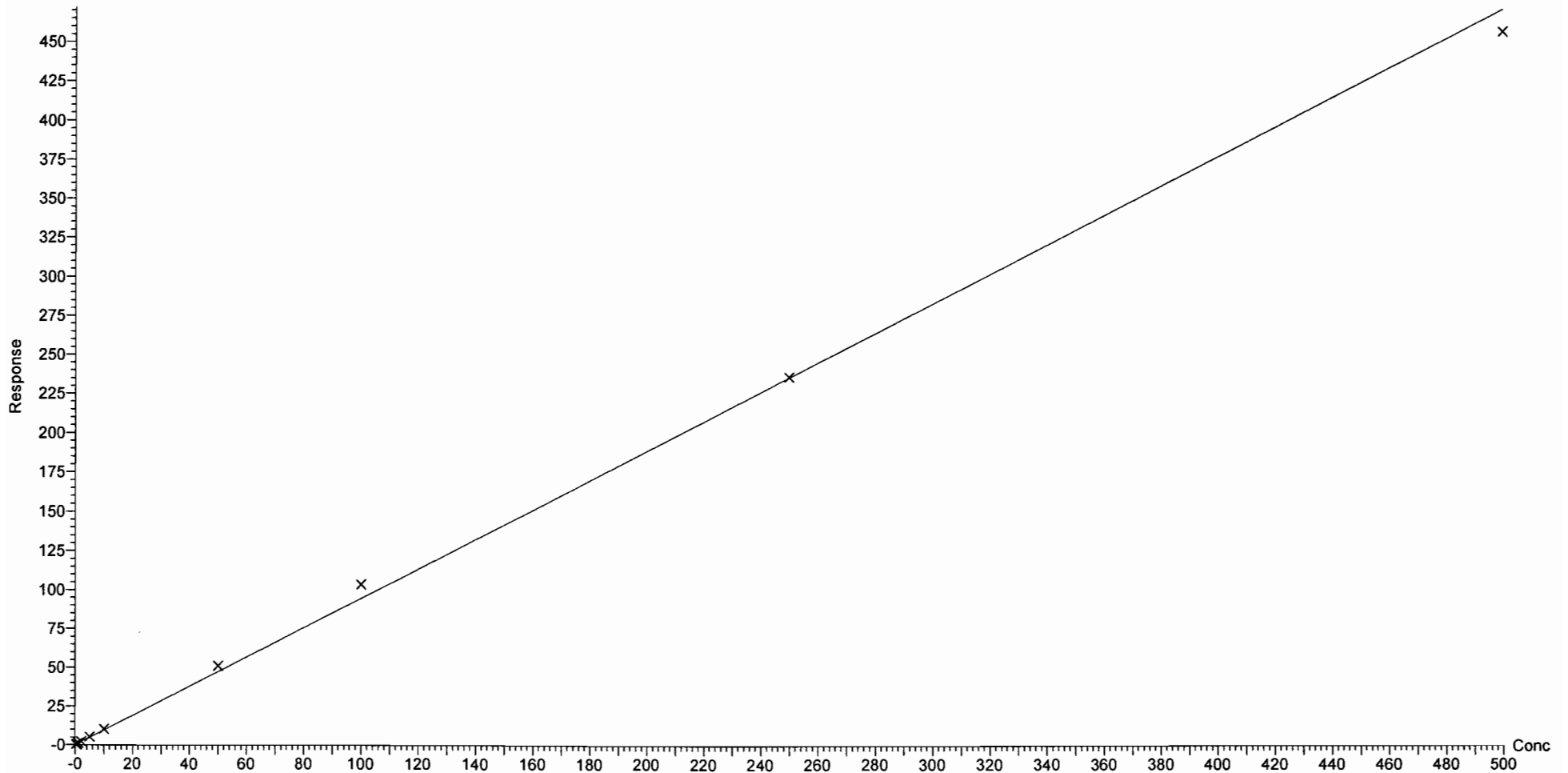
Compound name: PFPeA

Correlation coefficient: $r = 0.999003$, $r^2 = 0.998007$

Calibration curve: $0.943317 * x + 0.117613$

Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

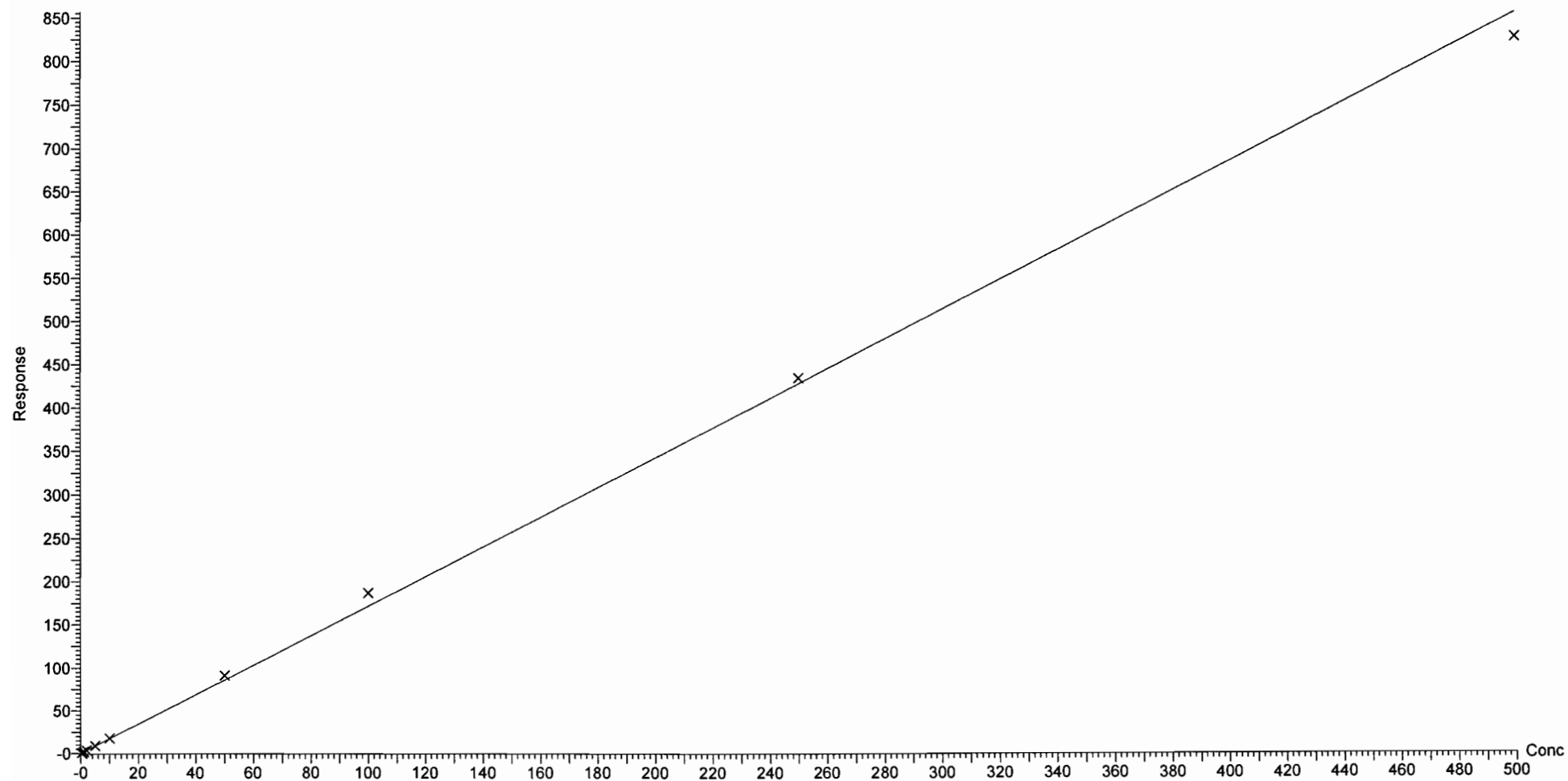
Compound name: PFBS

Correlation coefficient: $r = 0.999068$, $r^2 = 0.998137$

Calibration curve: $1.7128 * x + 0.180452$

Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

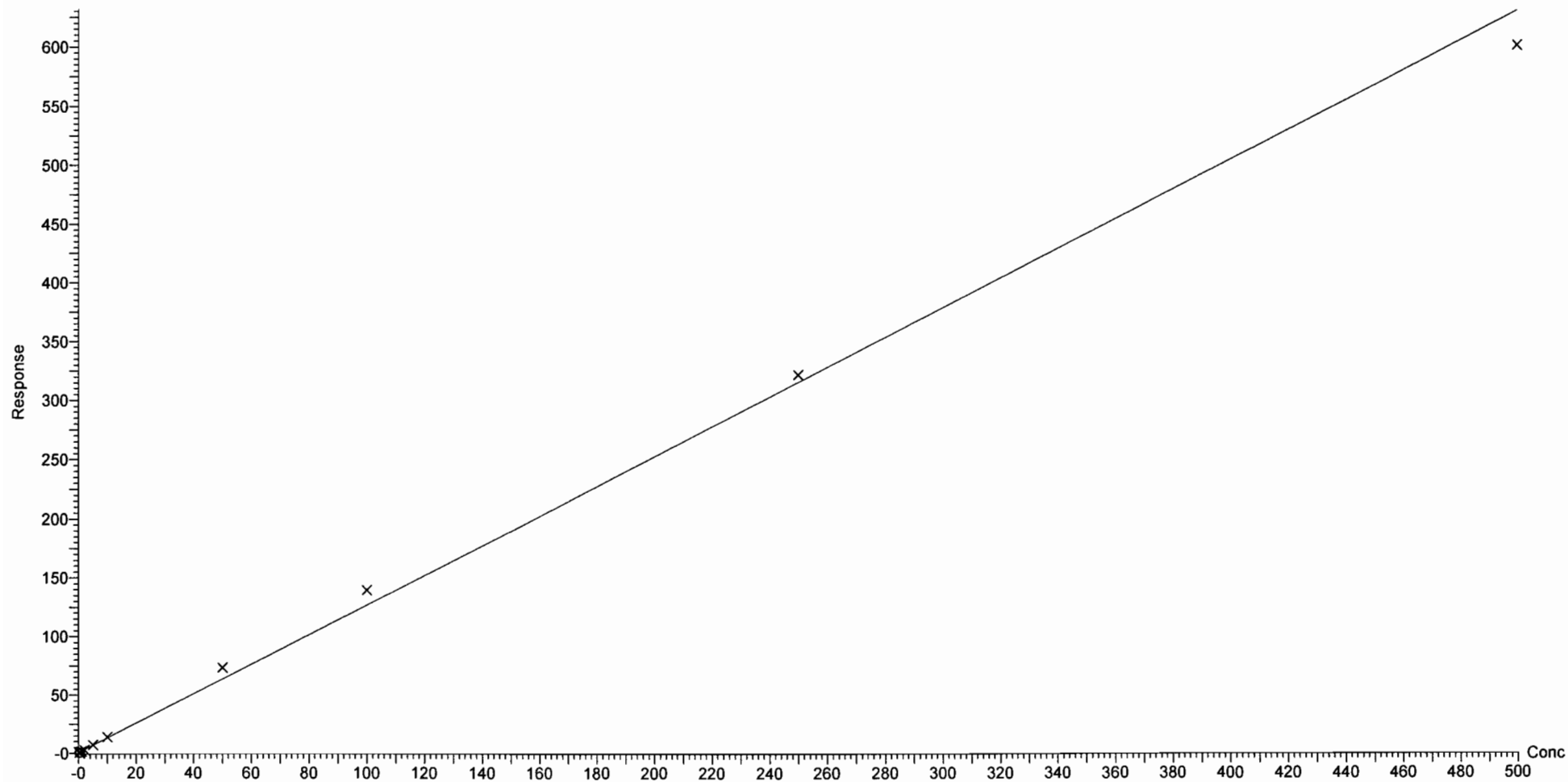
Compound name: PFHxA

Correlation coefficient: $r = 0.997990$, $r^2 = 0.995984$

Calibration curve: $1.26213 * x + 0.638423$

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

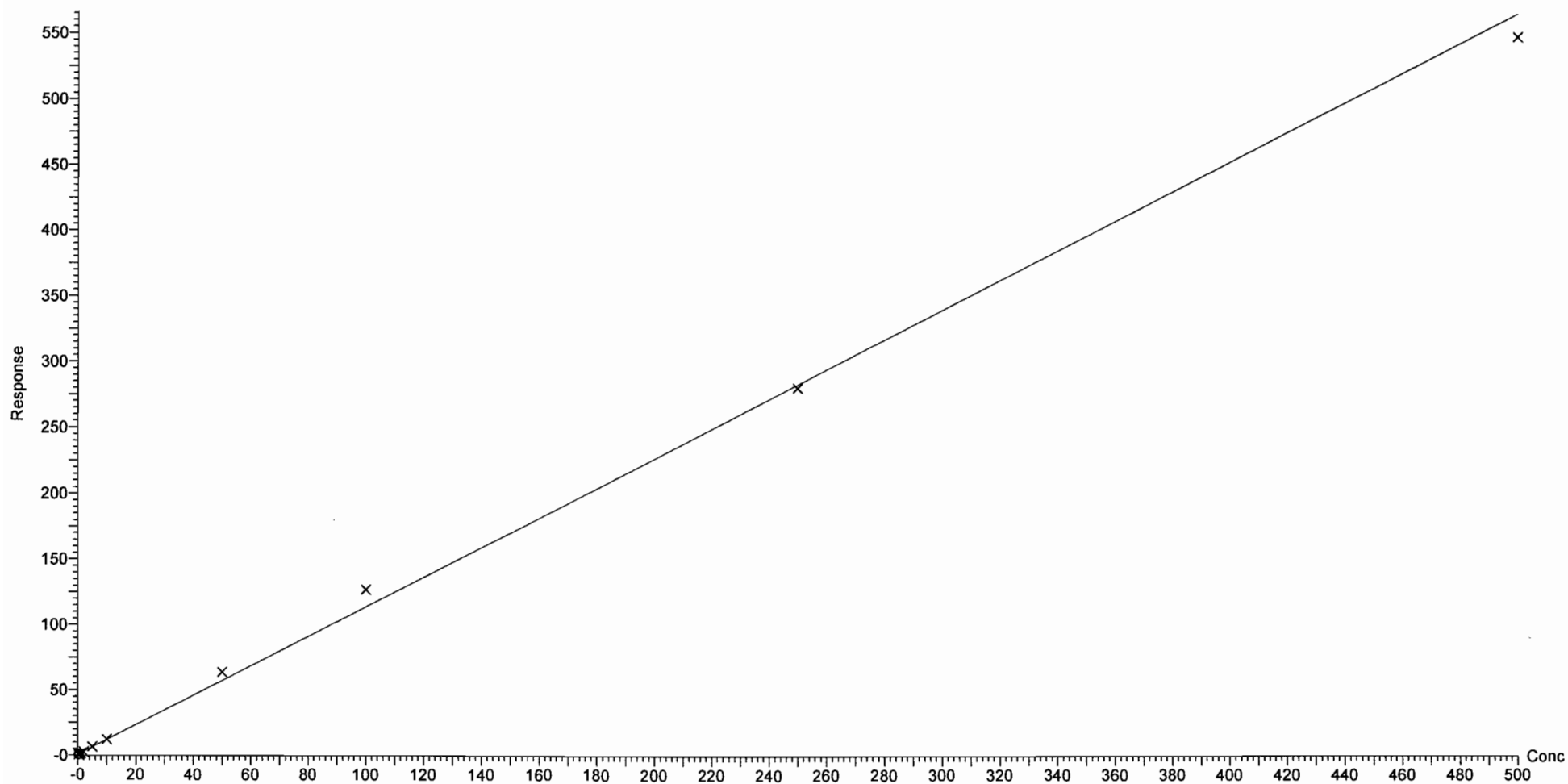
Compound name: PFHpA

Correlation coefficient: $r = 0.998520$, $r^2 = 0.997041$

Calibration curve: $1.13042 * x + 0.520352$

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

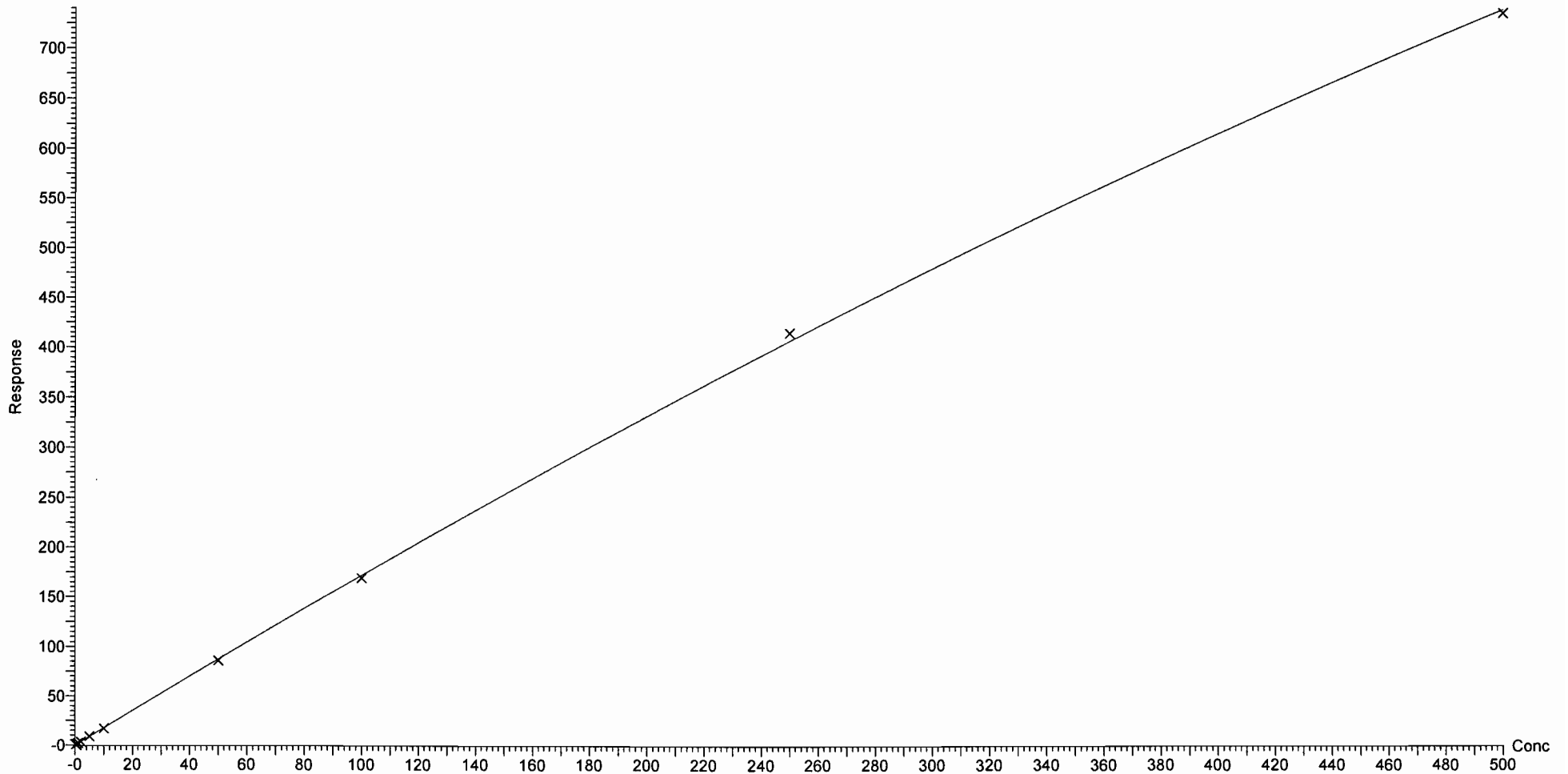
Compound name: PFHxS

Coefficient of Determination: $R^2 = 0.999727$

Calibration curve: $-0.00059344 * x^2 + 1.77788 * x + -0.123769$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

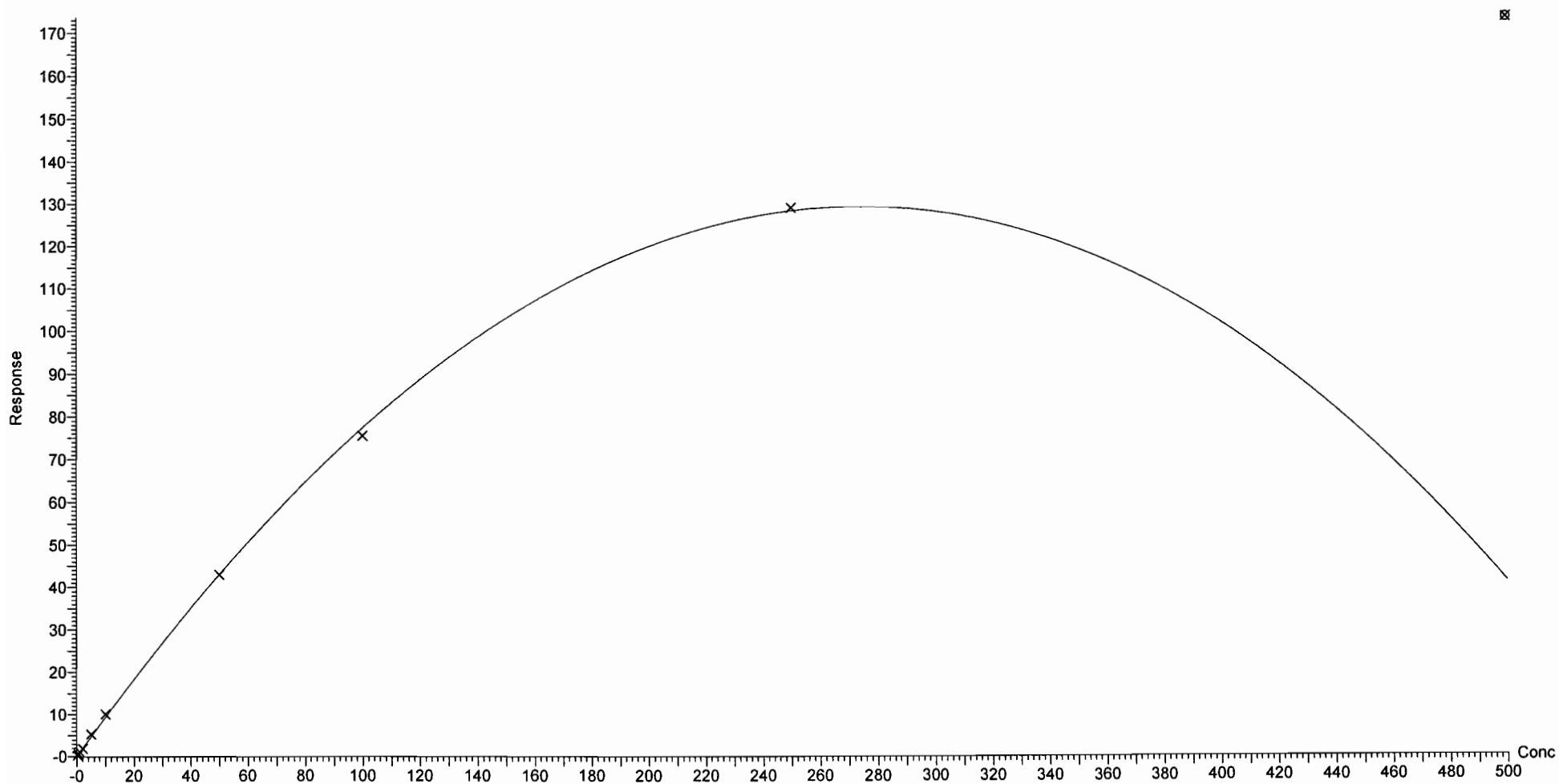
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.998948$

Calibration curve: $-0.00172688 * x^2 + 0.945449 * x + 0.0555048$

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

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

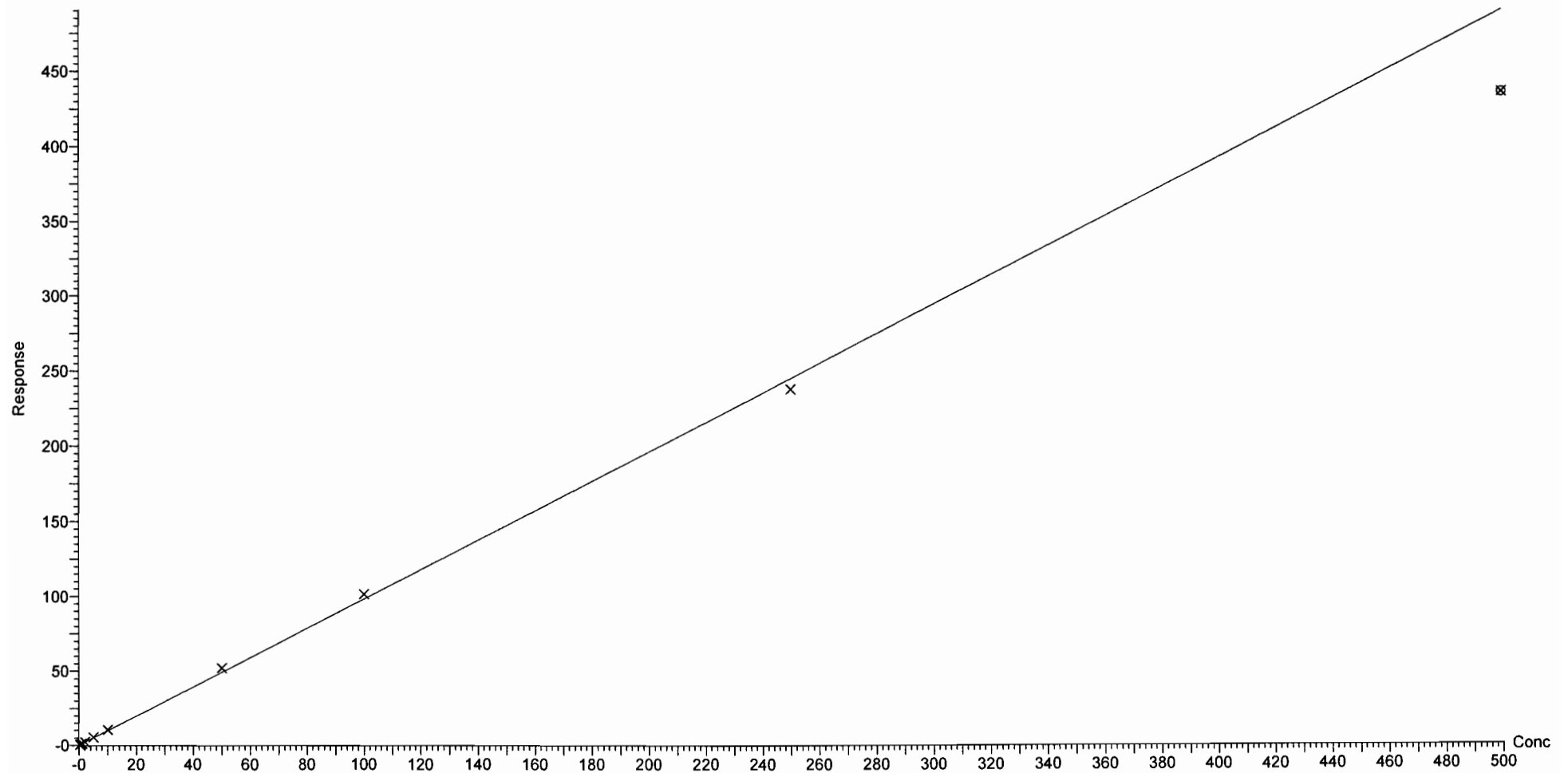
Compound name: PFOA

Correlation coefficient: $r = 0.999304$, $r^2 = 0.998608$

Calibration curve: $0.980416 * x + 0.151461$

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

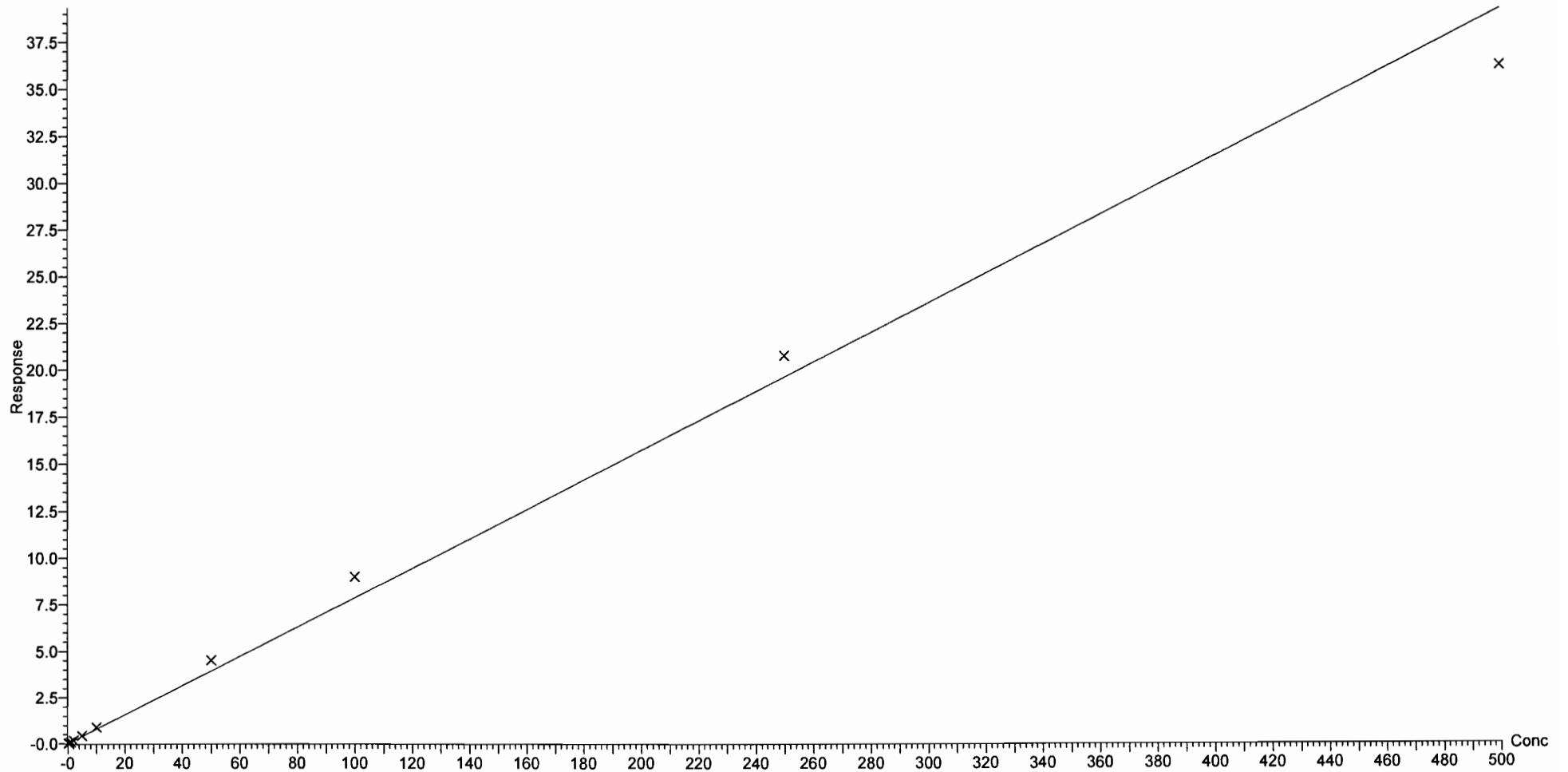
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time
Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

Compound name: PFHpS
Correlation coefficient: $r = 0.995991$, $r^2 = 0.991997$
Calibration curve: $0.0786311 * x + 0.00779766$
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

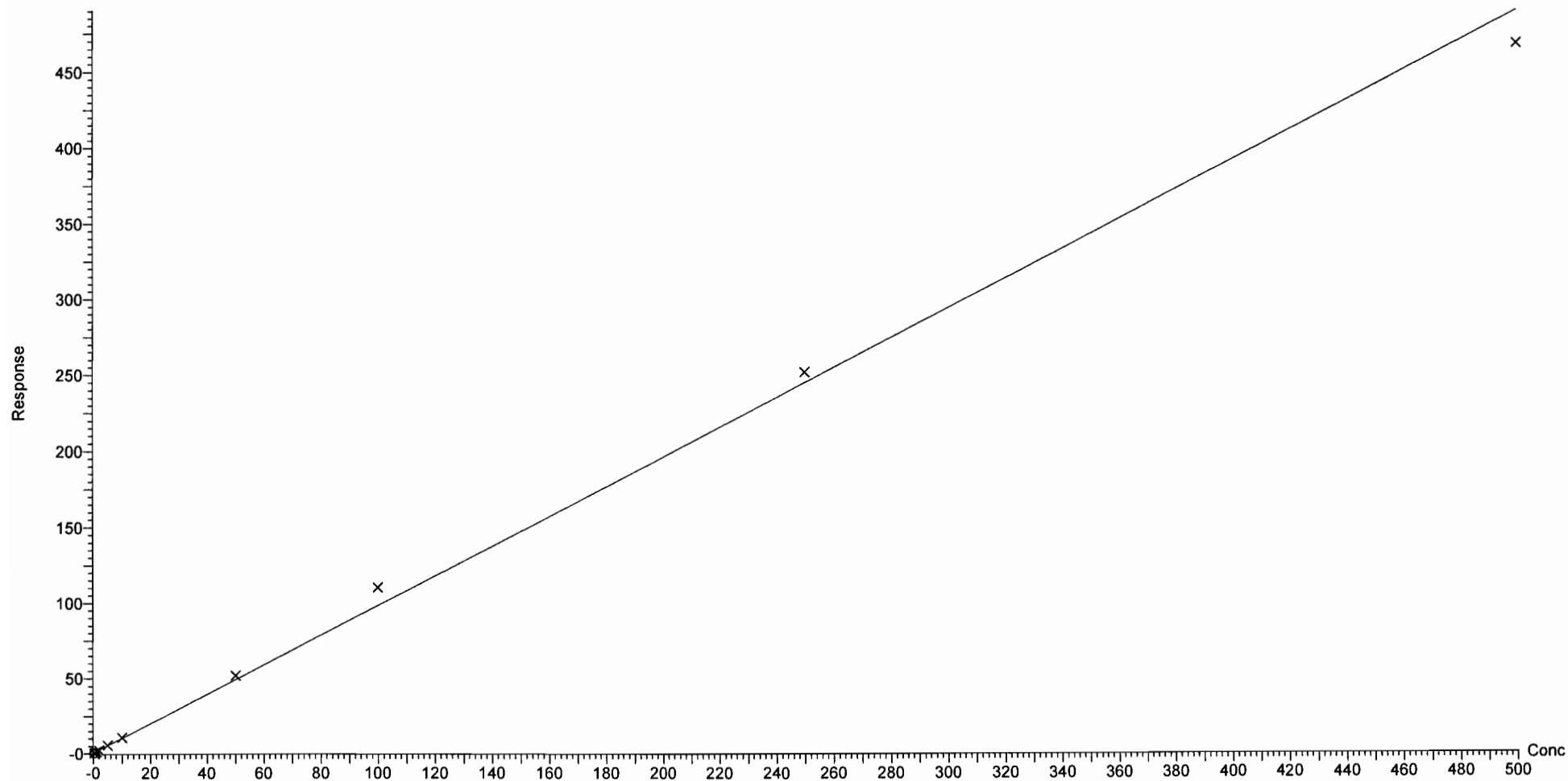
Compound name: PFNA

Correlation coefficient: $r = 0.998366$, $r^2 = 0.996735$

Calibration curve: $0.979826 * x + 0.513479$

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

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

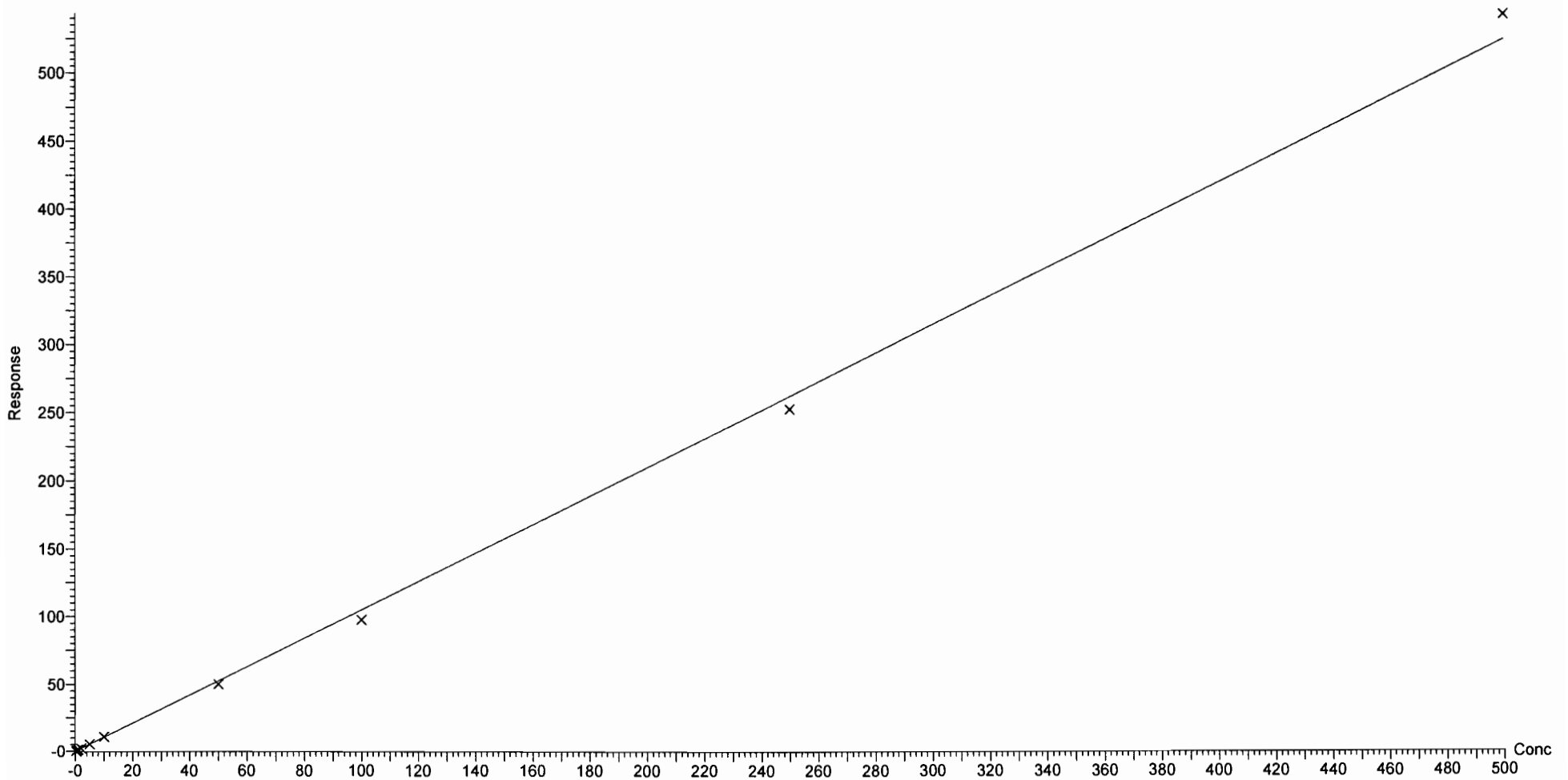
Compound name: PFOSA

Correlation coefficient: $r = 0.999155$, $r^2 = 0.998311$

Calibration curve: $1.04987 * x + 0.0313857$

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

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

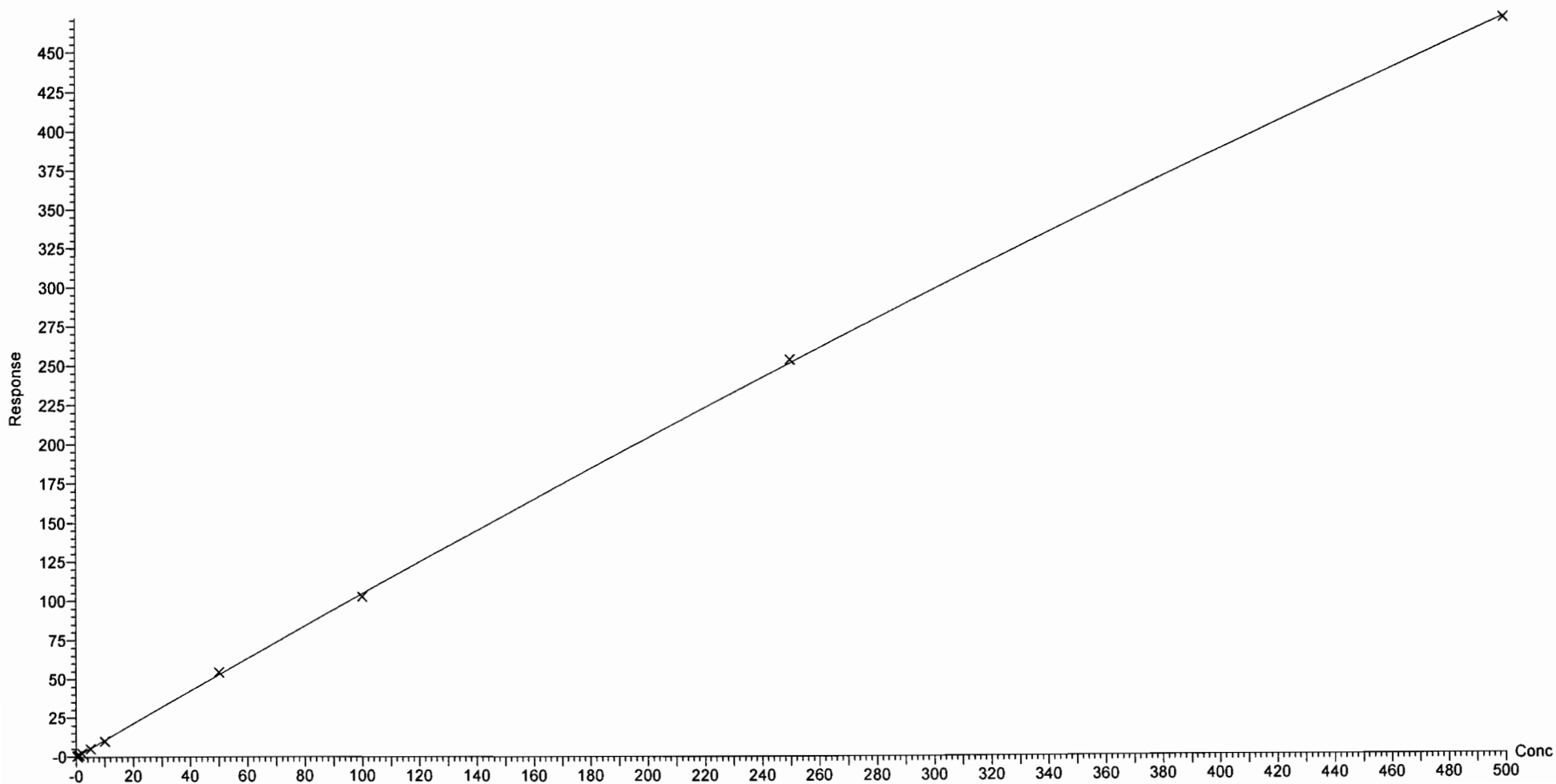
Compound name: PFOS

Coefficient of Determination: $R^2 = 0.999791$

Calibration curve: $-0.000252174 * x^2 + 1.06922 * x + -0.0396957$

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

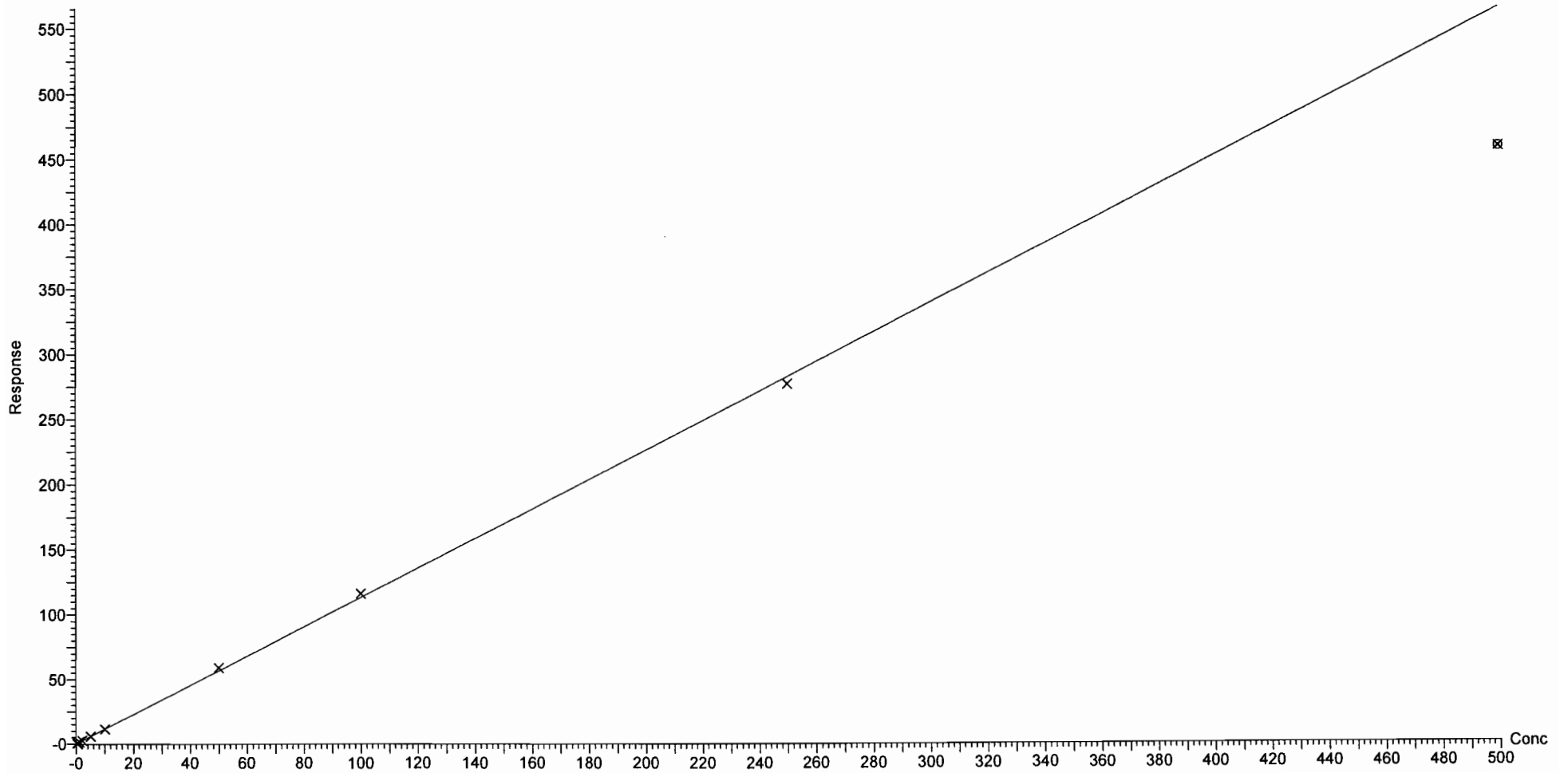
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time
Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

Compound name: PFDA
Correlation coefficient: $r = 0.999612$, $r^2 = 0.999225$
Calibration curve: $1.13105 * x + 0.115427$
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

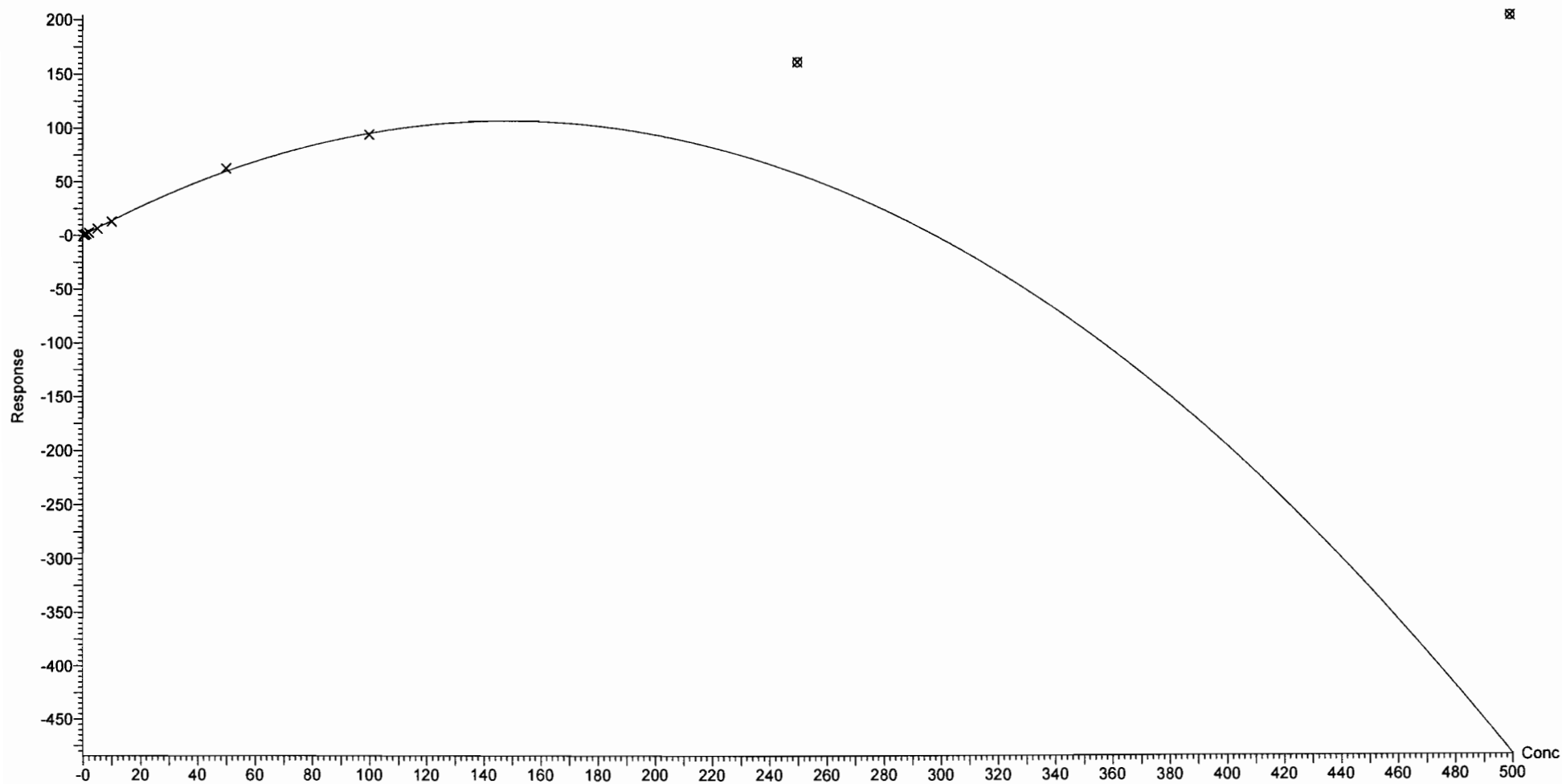
Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.997950$

Calibration curve: $-0.00480406 * x^2 + 1.4337 * x + -0.0133124$

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

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

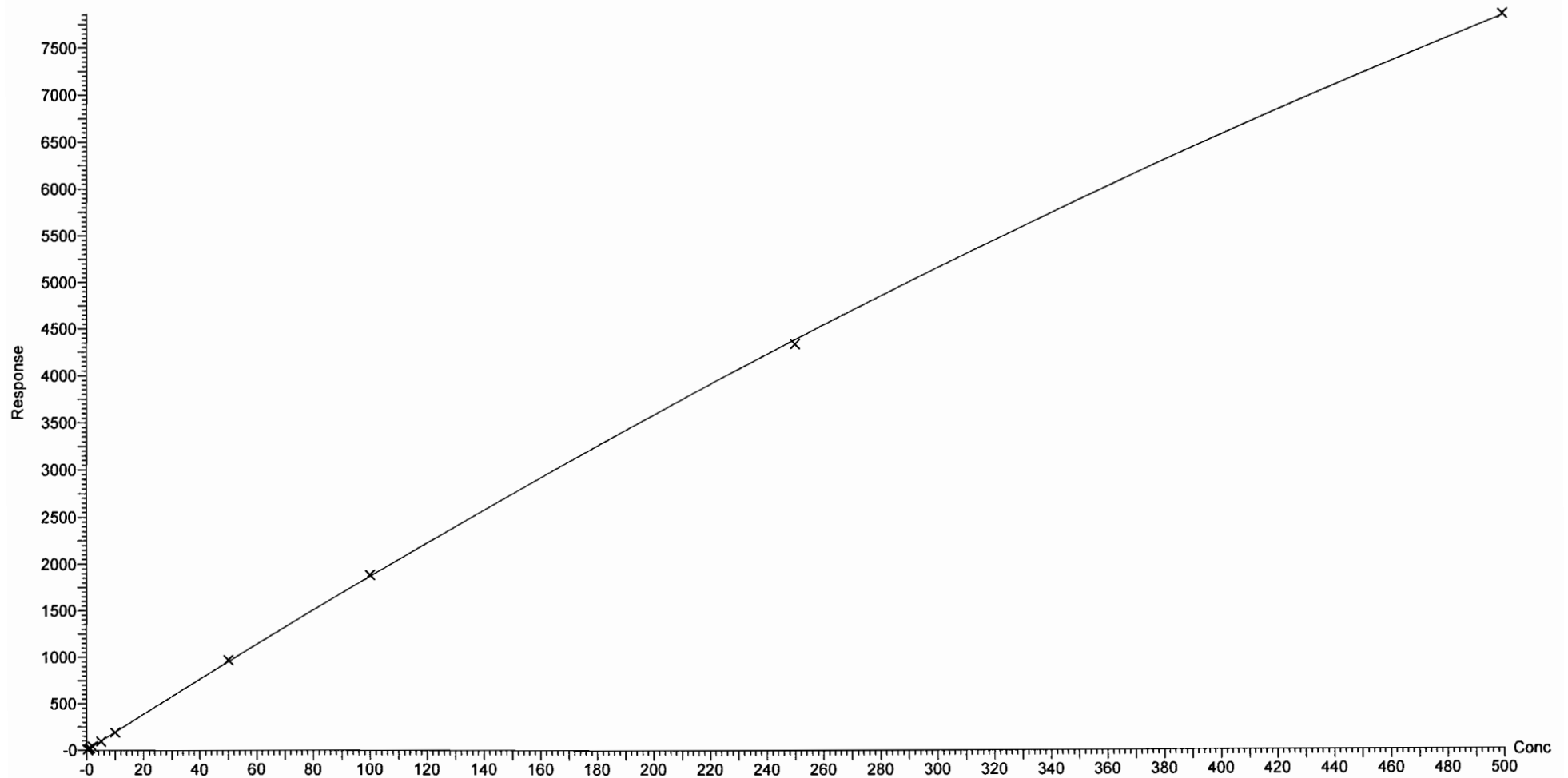
Compound name: N-MeFOSAA

Coefficient of Determination: $R^2 = 0.999893$

Calibration curve: $-0.00750568 * x^2 + 19.4398 * x + -0.45786$

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

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

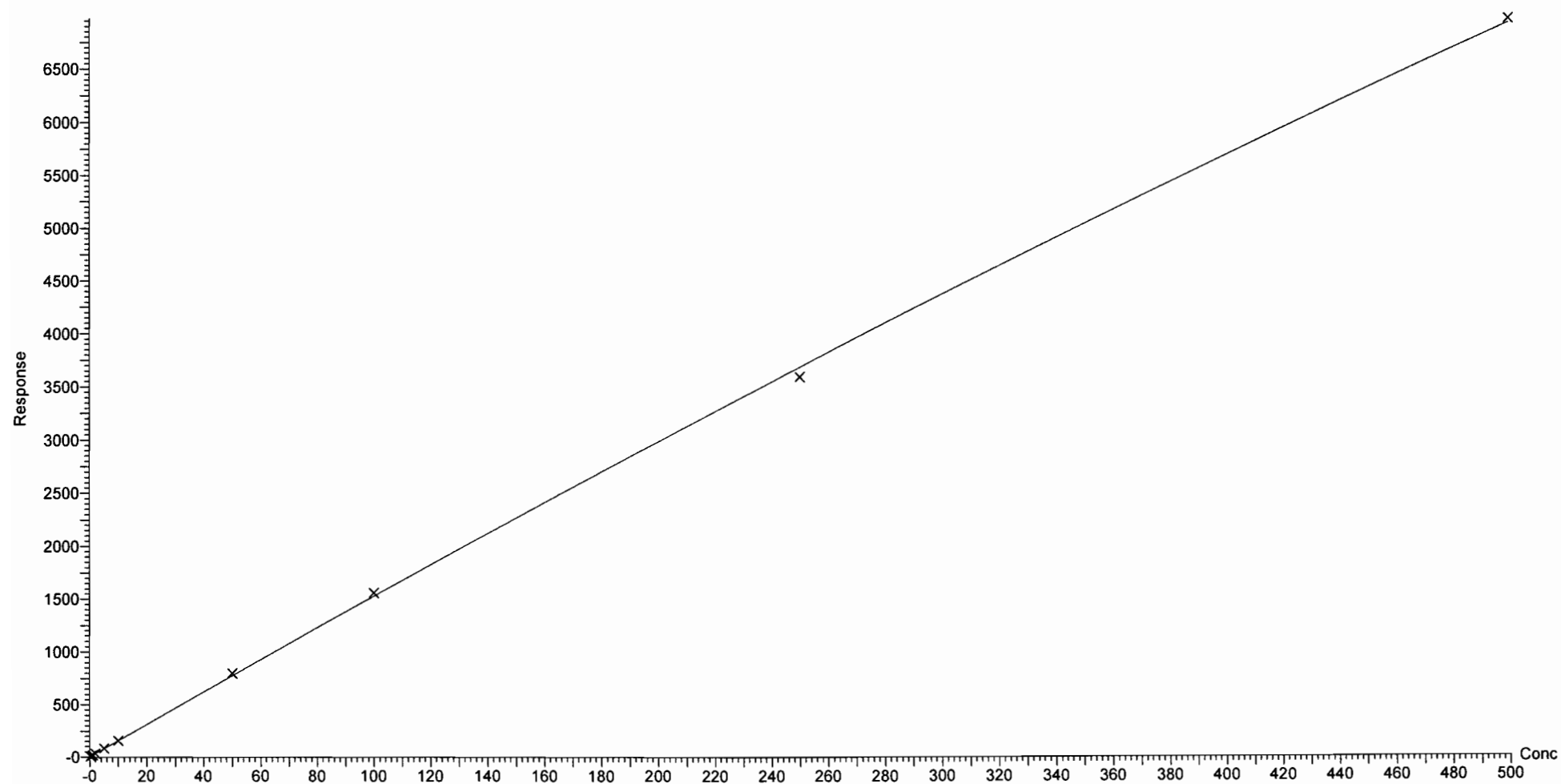
Compound name: N-EtFOSAA

Coefficient of Determination: $R^2 = 0.999638$

Calibration curve: $-0.00353476 * x^2 + 15.6313 * x + 0.651764$

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

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

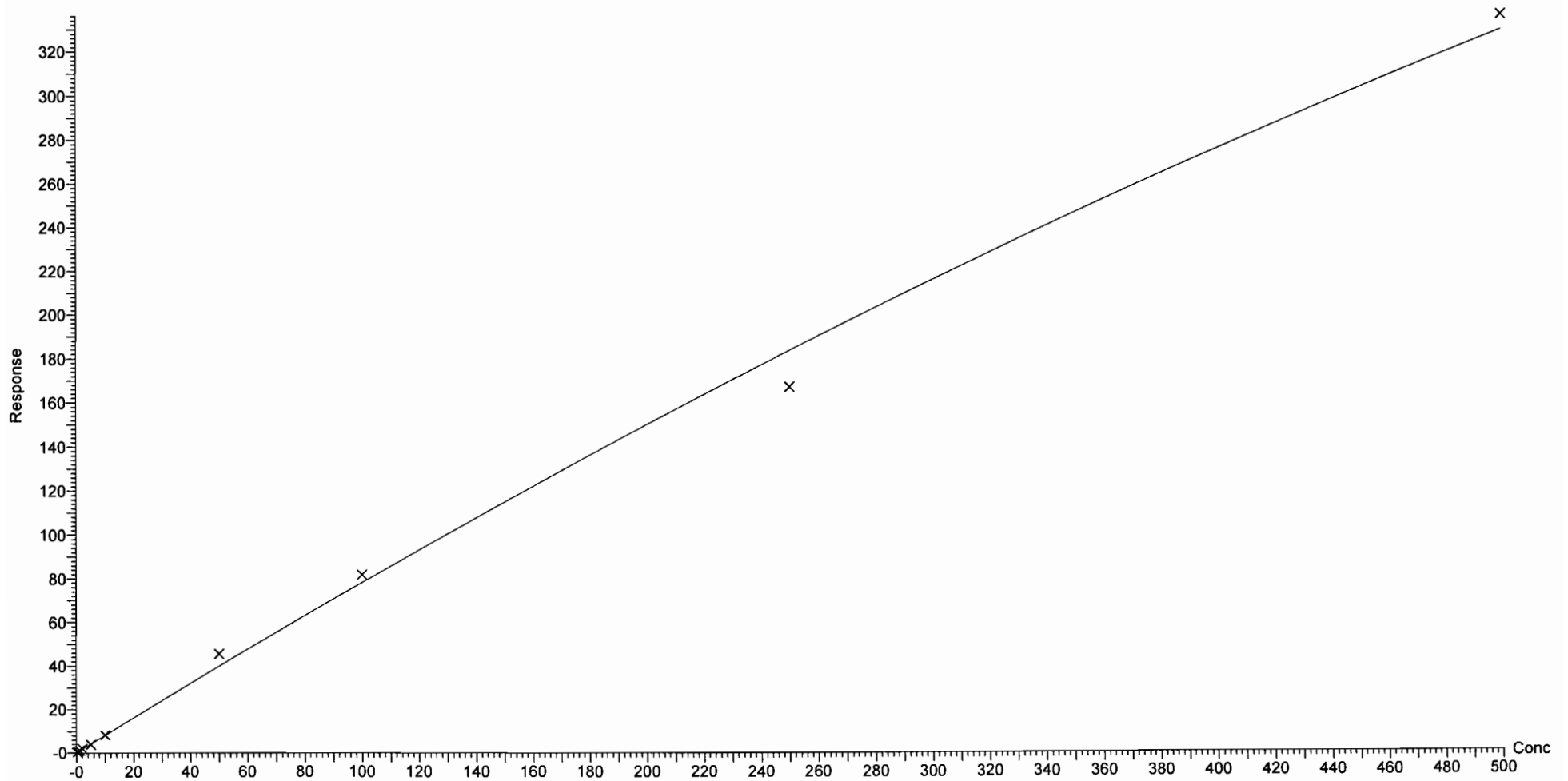
Compound name: PFUnA

Coefficient of Determination: $R^2 = 0.995537$

Calibration curve: $-0.000304422 * x^2 + 0.810482 * x + 0.0887281$

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

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

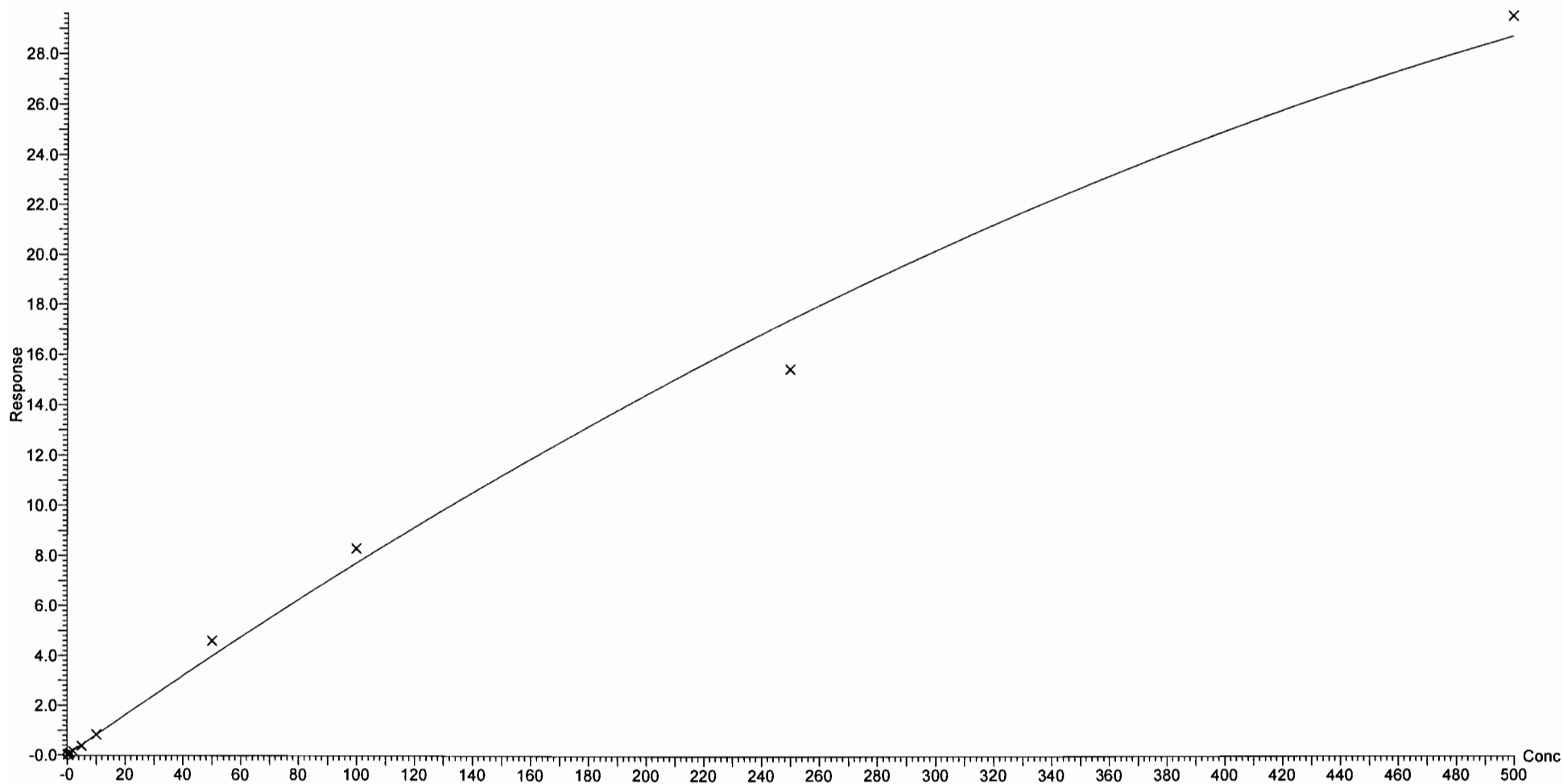
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.992589$

Calibration curve: $-4.87611e-005 * x^2 + 0.0819404 * x + 0.0113831$

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

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

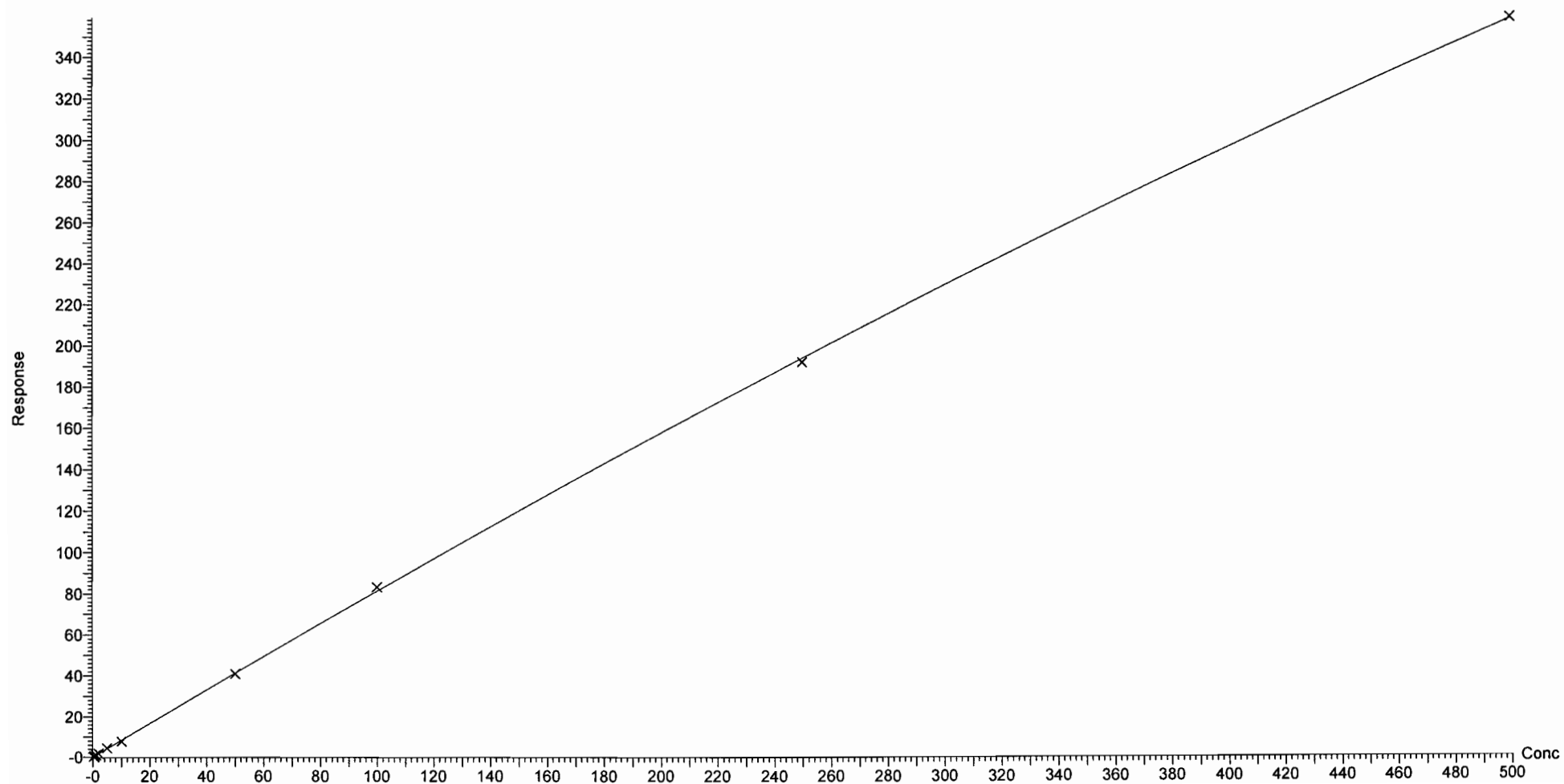
Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.999746$

Calibration curve: $-0.000238279 * x^2 + 0.835861 * x + 0.0431344$

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

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



Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

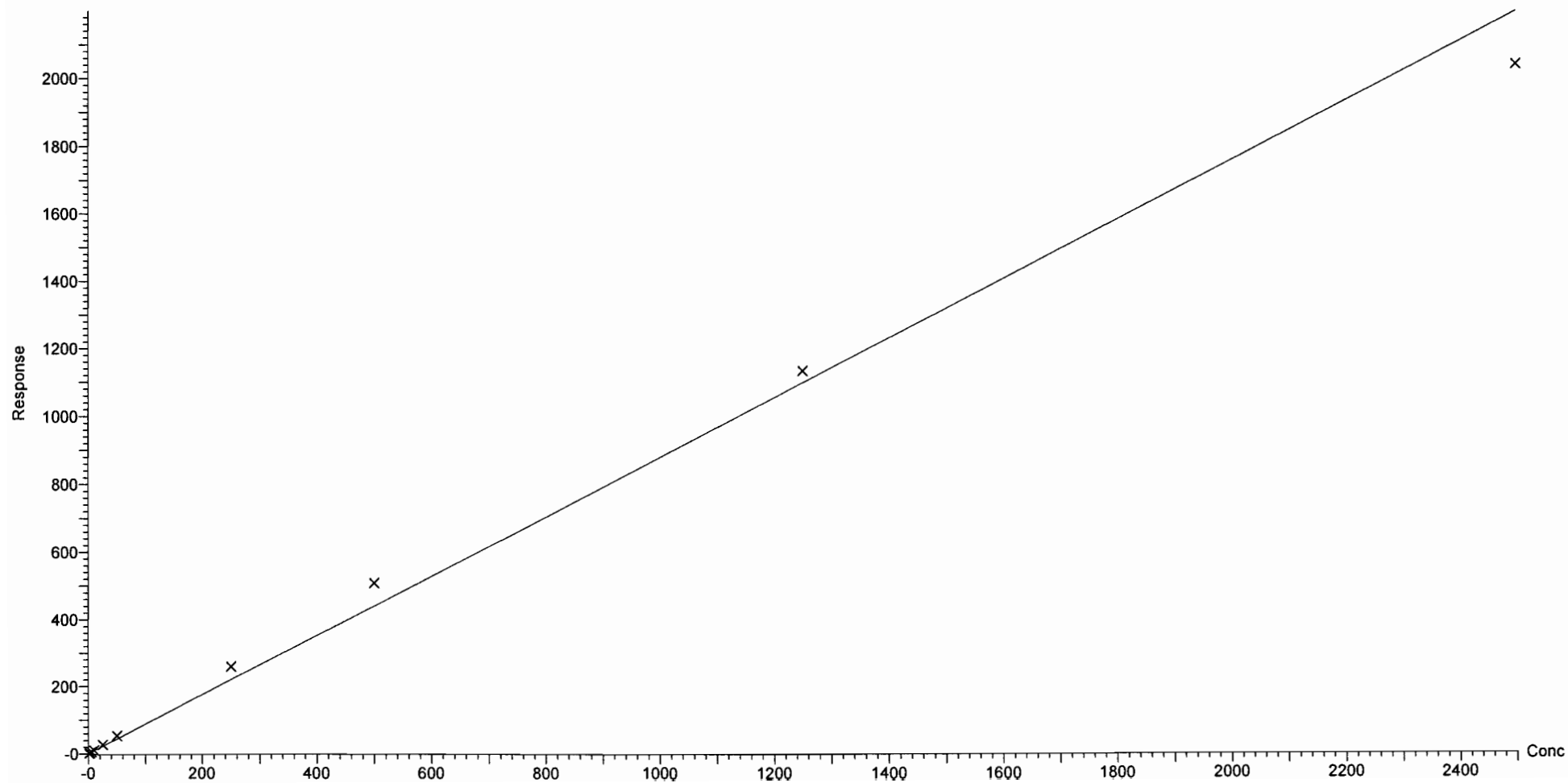
Compound name: N-MeFOSA

Correlation coefficient: $r = 0.995786$, $r^2 = 0.991590$

Calibration curve: $0.878916 * x + 0.777845$

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

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

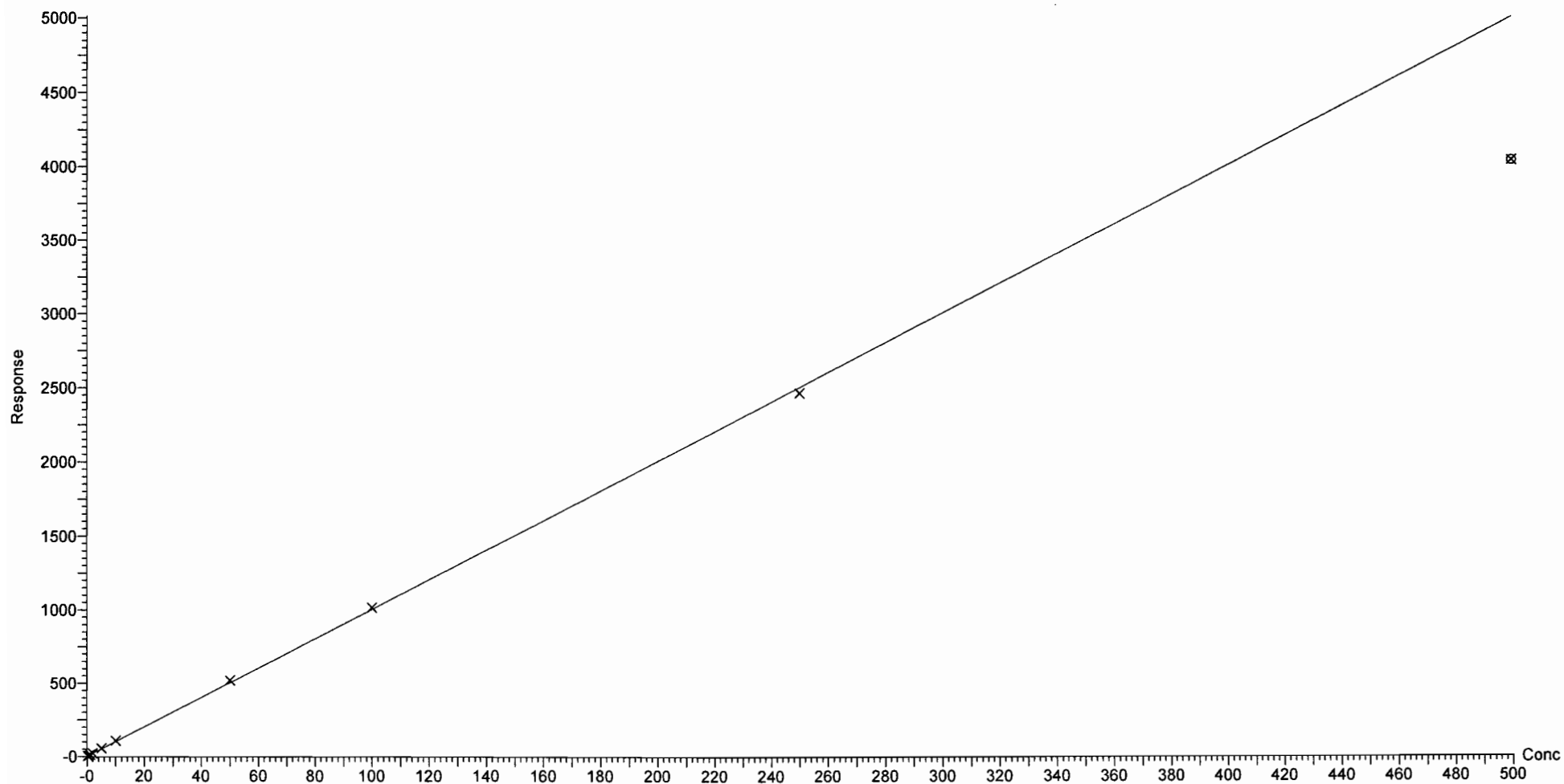
Compound name: PFTrDA

Correlation coefficient: $r = 0.999754$, $r^2 = 0.999507$

Calibration curve: $10.0213 * x + 1.2331$

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

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

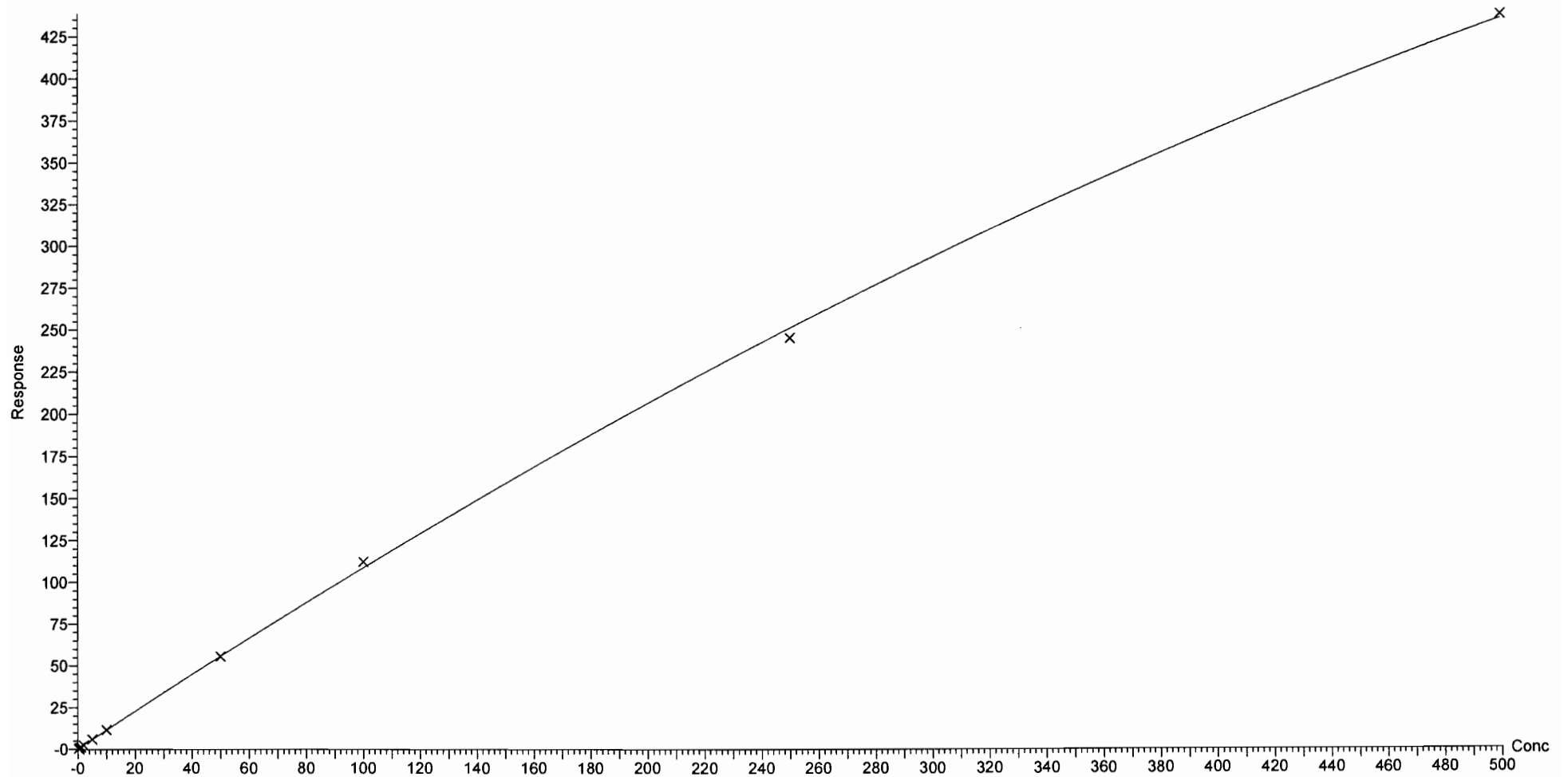
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999640$

Calibration curve: $-0.000533447 * x^2 + 1.13867 * x + 0.107998$

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

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

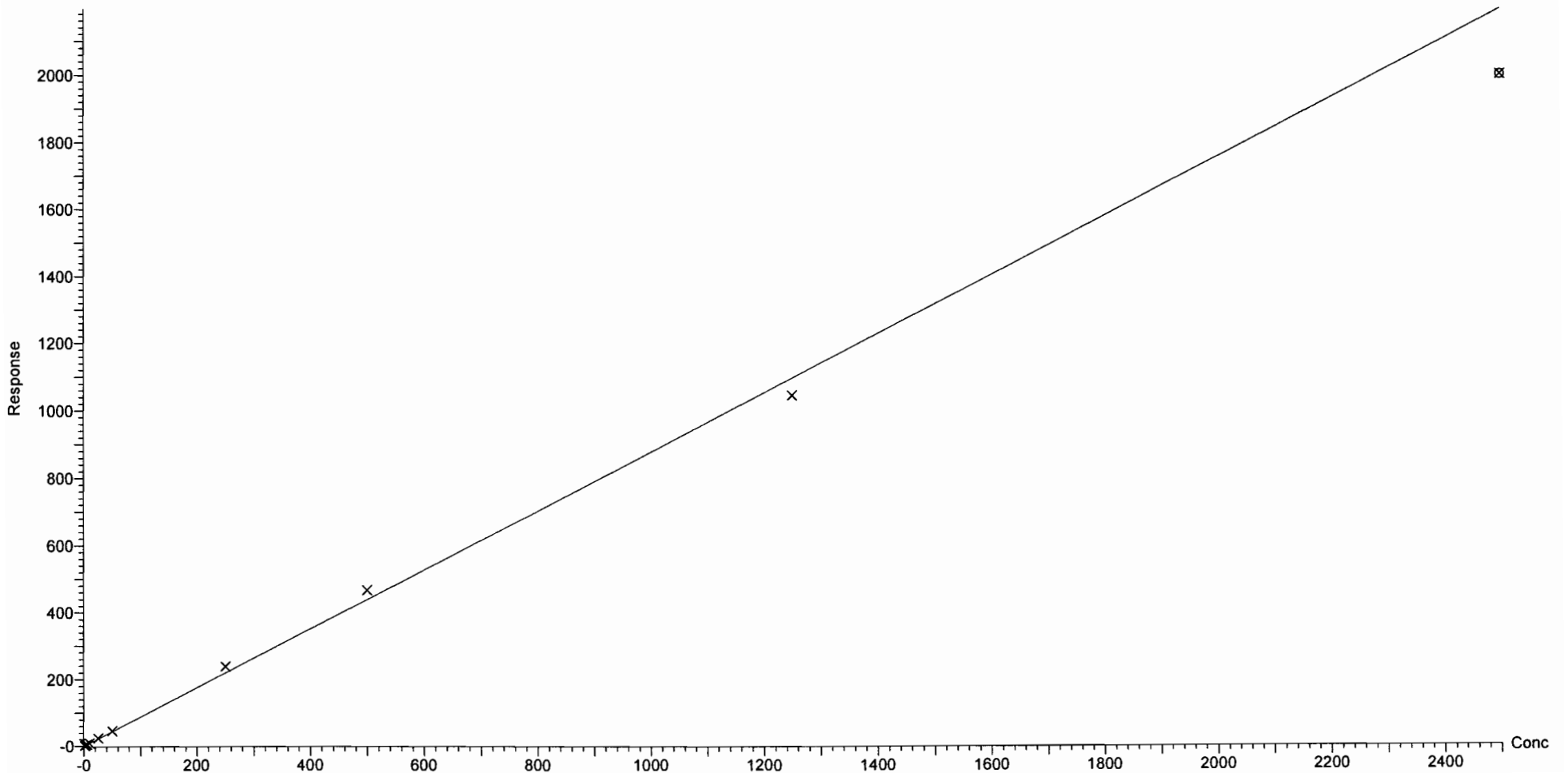


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

Compound name: N-EtFOSA
Correlation coefficient: $r = 0.998278$, $r^2 = 0.996558$
Calibration curve: $0.877827 * x + 0.460454$
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

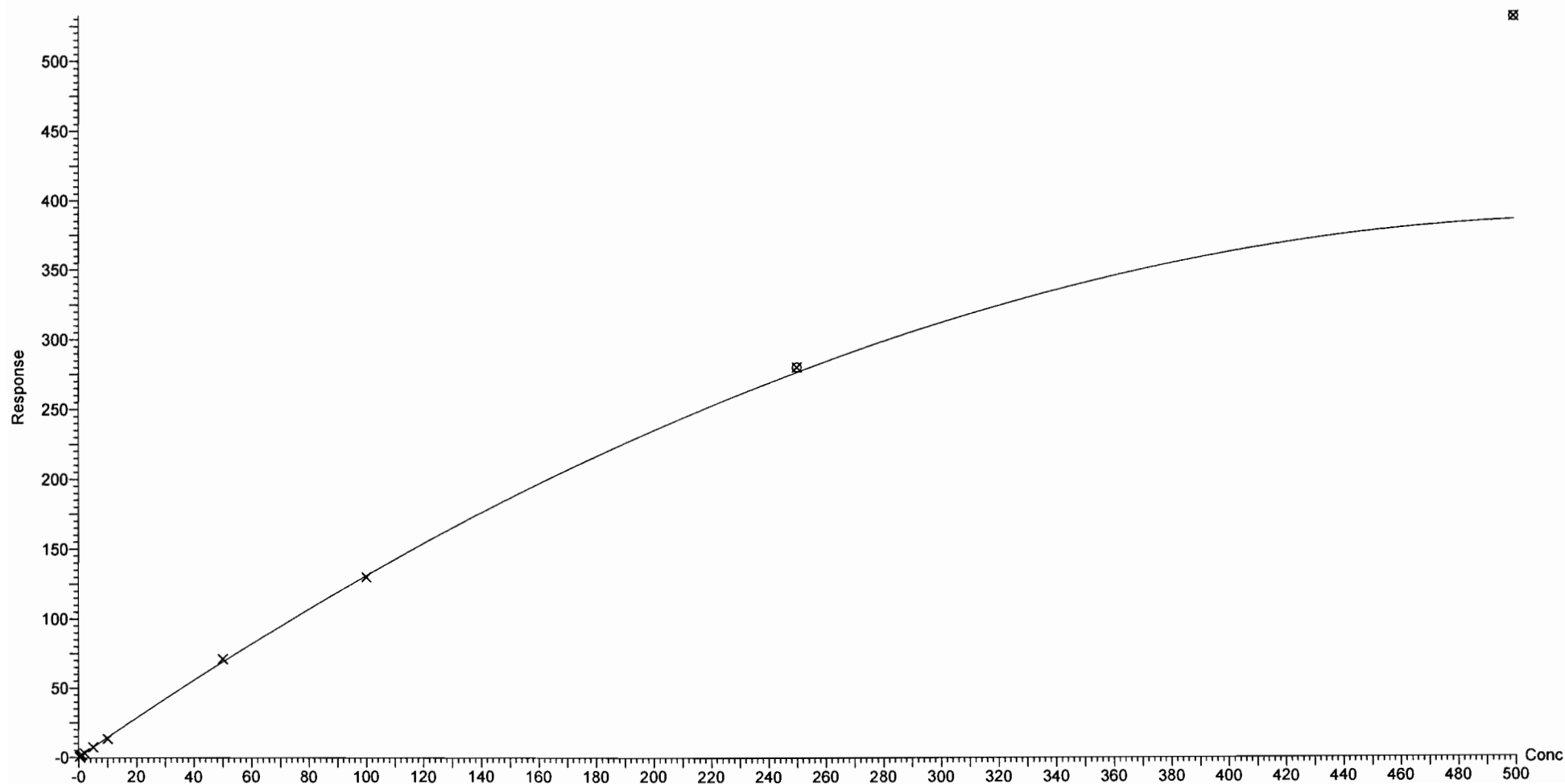
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.999241$

Calibration curve: $-0.00134262 * x^2 + 1.44391 * x + 0.187386$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

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



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

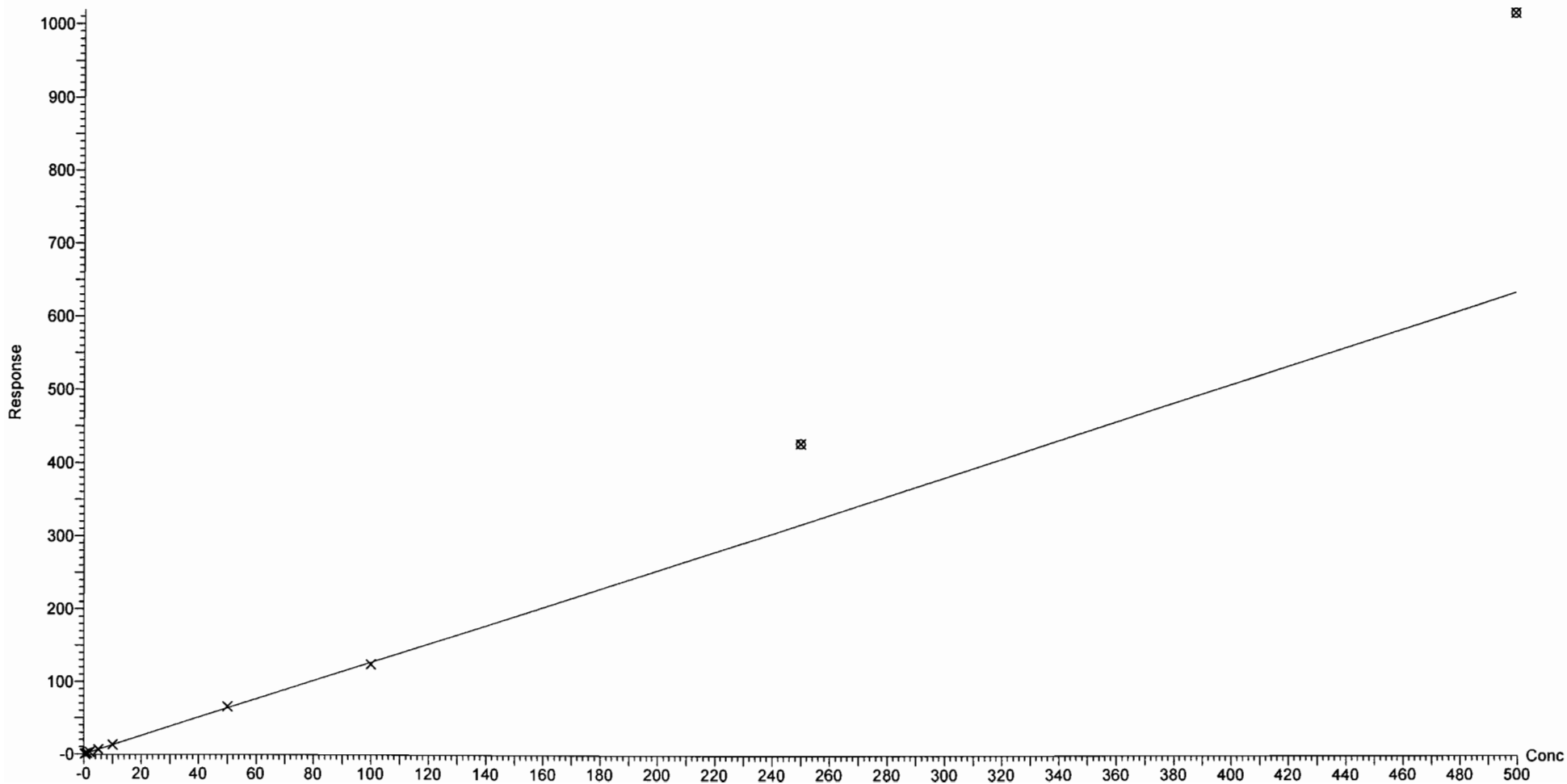
Compound name: PFODA

Correlation coefficient: $r = 0.999467$, $r^2 = 0.998934$

Calibration curve: $1.27081 * x + 0.103615$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

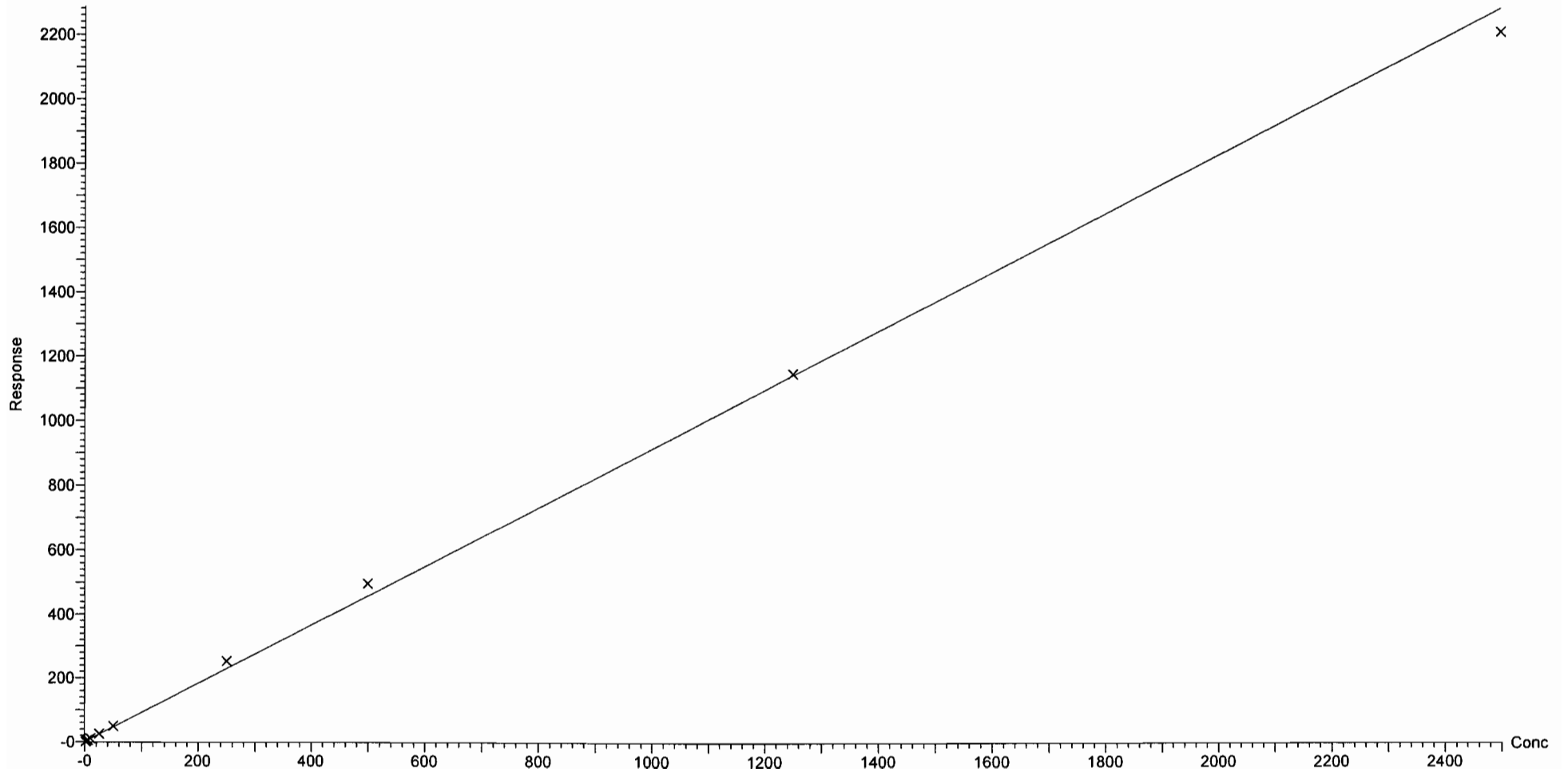
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time
Printed: Friday, August 11, 2017 09:32:45 Pacific Daylight Time

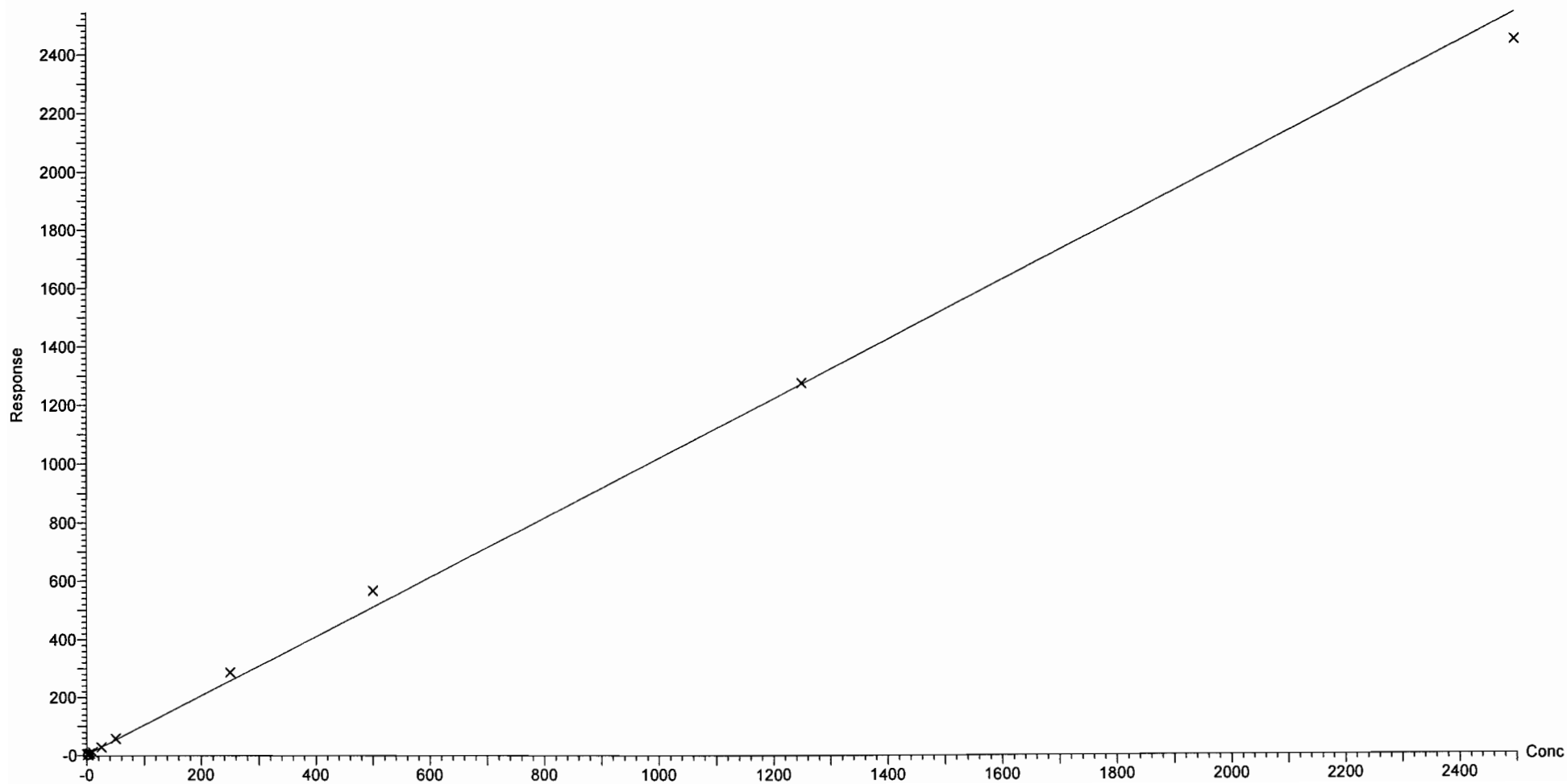
Compound name: N-MeFOSE
Correlation coefficient: $r = 0.998979$, $r^2 = 0.997958$
Calibration curve: $0.913987 * x + 0.914175$
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:29:36 Pacific Daylight Time
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Compound name: N-EtFOSE
Correlation coefficient: $r = 0.998468$, $r^2 = 0.996938$
Calibration curve: $1.01573 * x + 2.54785$
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

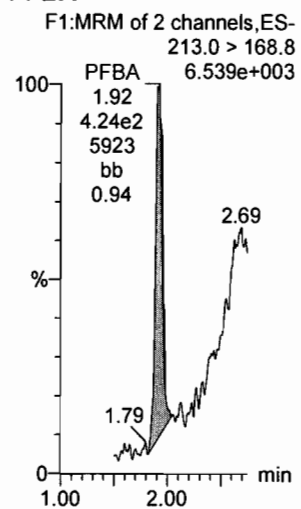
Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-10-17.mdb 11 Aug 2017 08:55:25

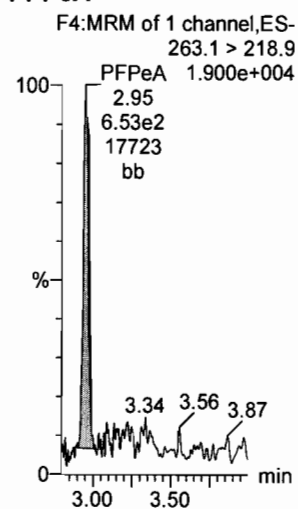
Calibration: 11 Aug 2017 09:08:45

Name: 170810M2_2, Date: 10-Aug-2017, Time: 20:32:31, ID: ST170810M2-1 PFC CS-2 17H1015, Description: PFC CS-2 17H1015

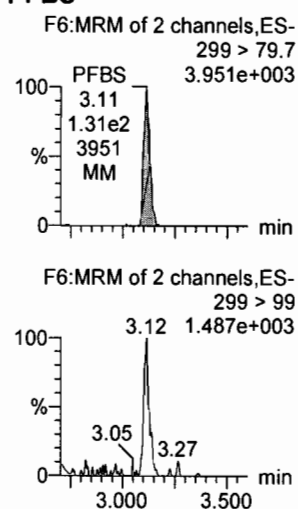
PFBA



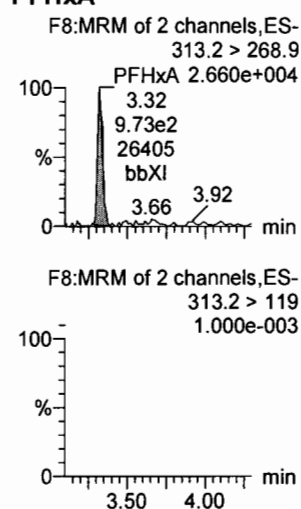
PFPeA



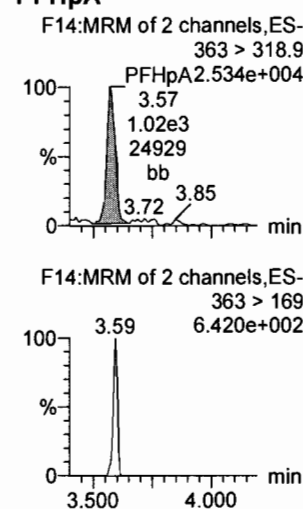
PFBS



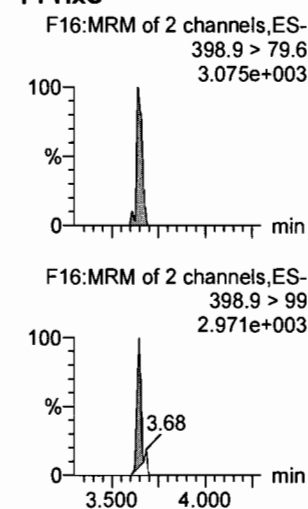
PFHxA



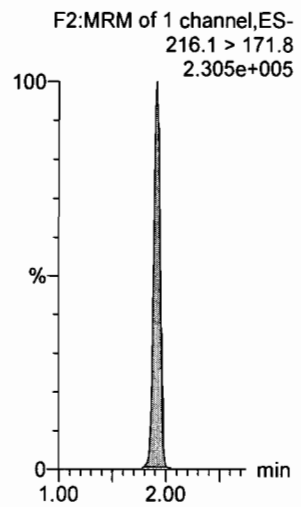
PFHpA



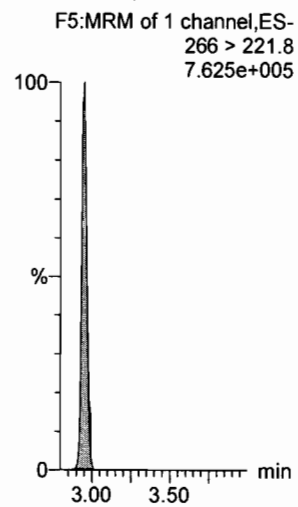
PFHxS



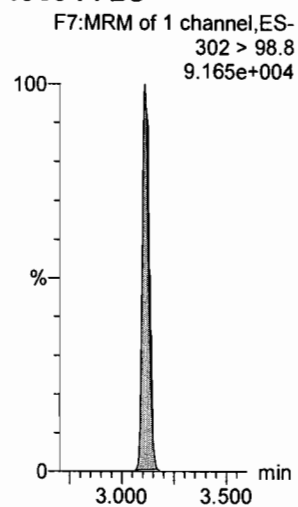
13C3-PFBA



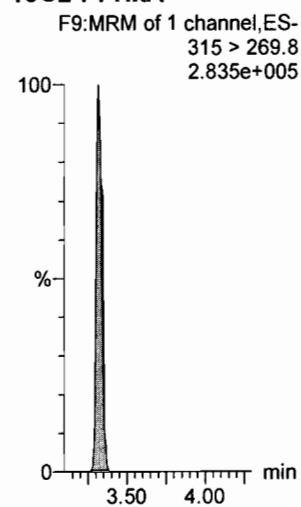
13C3-PFPeA



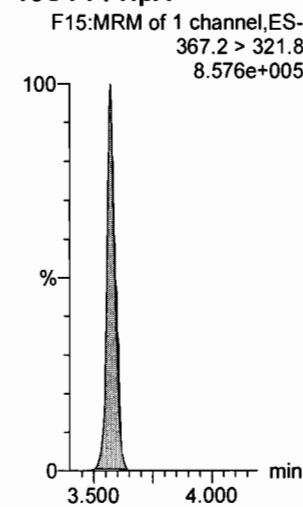
13C3-PFBS



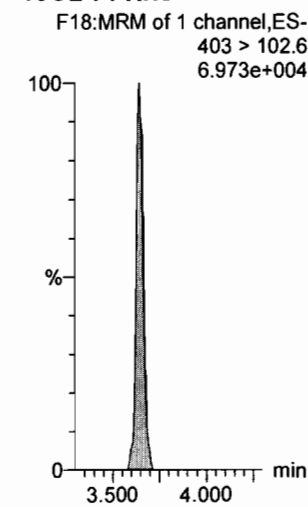
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

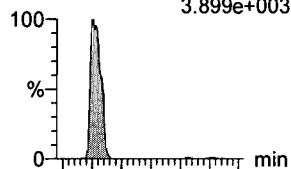
Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

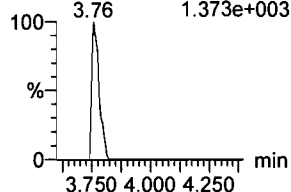
Name: 170810M2_2, Date: 10-Aug-2017, Time: 20:32:31, ID: ST170810M2-1 PFC CS-2 17H1015, Description: PFC CS-2 17H1015

6:2 FTS

F22:MRM of 2 channels,ES-
427.1 > 407
3.899e+003

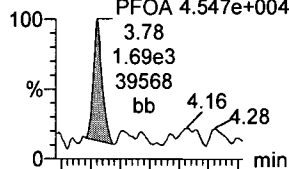


F22:MRM of 2 channels,ES-
427.1 > 80
1.373e+003

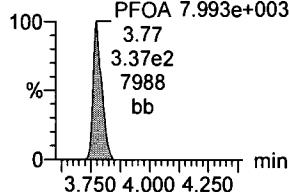


PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
4.547e+004



F19:MRM of 2 channels,ES-
413 > 169
7.993e+003

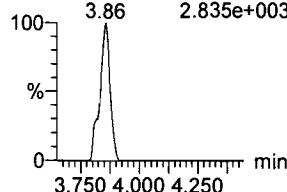


PFHpS

F24:MRM of 4 channels,ES-
448.9 > 98.8
2.937e+003

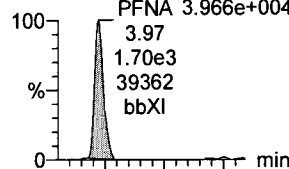


F24:MRM of 4 channels,ES-
448.9 > 79.9
2.835e+003

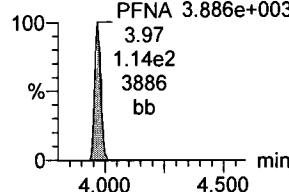


PFNA

F25:MRM of 2 channels,ES-
462.9 > 418.8
3.966e+004

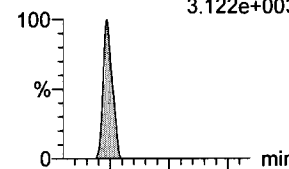


F25:MRM of 2 channels,ES-
462.9 > 219
3.886e+003

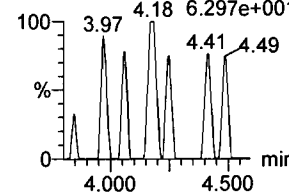


PFOSA

F28:MRM of 2 channels,ES-
498.1 > 77.8
3.122e+003

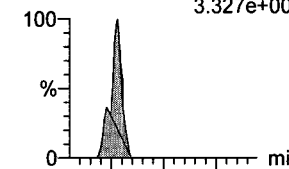


F28:MRM of 2 channels,ES-
498.1 > 478
6.297e+001

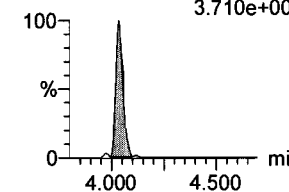


PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
3.327e+003

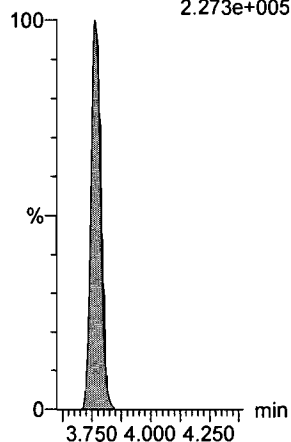


F30:MRM of 2 channels,ES-
499 > 99
3.710e+003



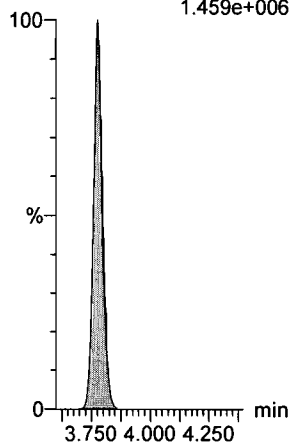
13C2-6:2 FTS

F23:MRM of 1 channel,ES-
429.1 > 408.9
2.273e+005



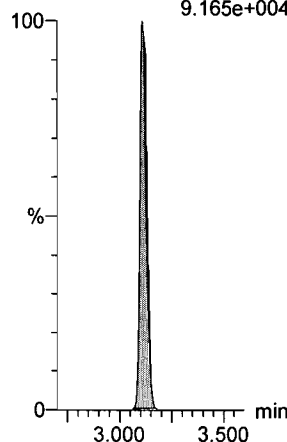
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
1.459e+006



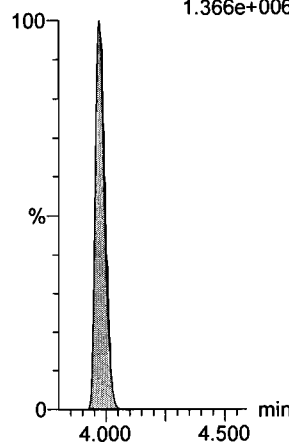
13C3-PFBS

F7:MRM of 1 channel,ES-
302 > 98.8
9.165e+004



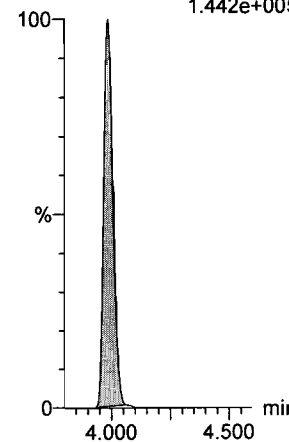
13C5-PFNA

F26:MRM of 1 channel,ES-
468.2 > 422.9
1.366e+006



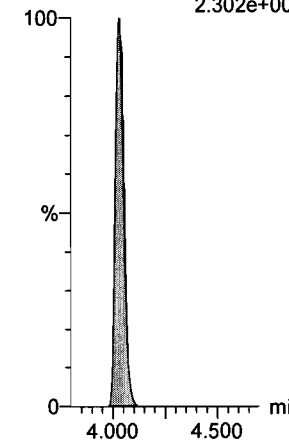
13C8-PFOA

F32:MRM of 1 channel,ES-
506.1 > 77.7
1.442e+005



13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
2.302e+005

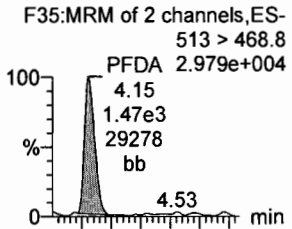


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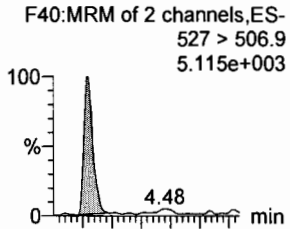
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Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_2, Date: 10-Aug-2017, Time: 20:32:31, ID: ST170810M2-1 PFC CS-2 17H1015, Description: PFC CS-2 17H1015

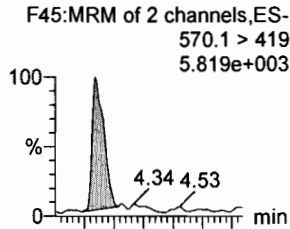
PFDA



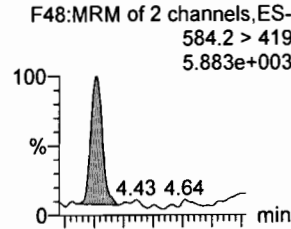
8:2 FTS



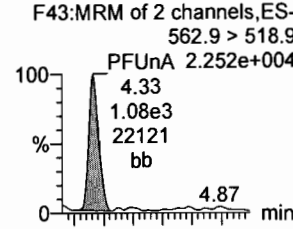
N-MeFOSAA



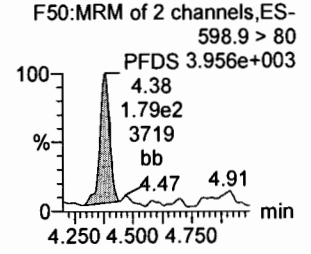
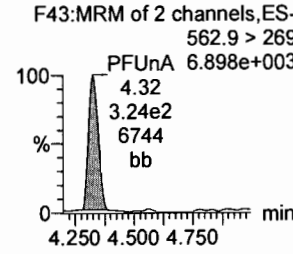
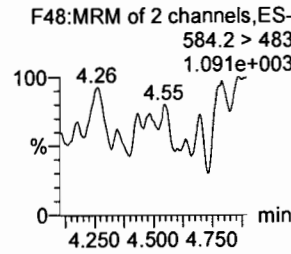
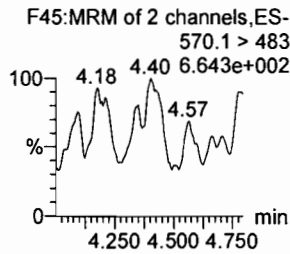
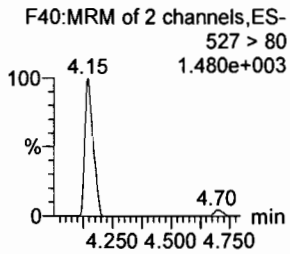
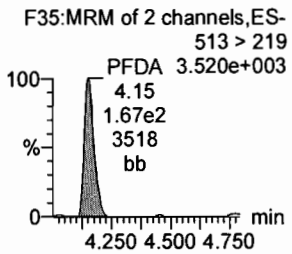
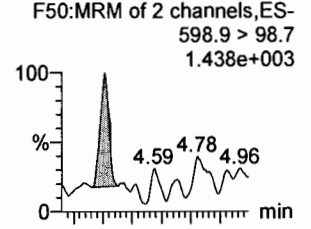
N-EtFOSAA



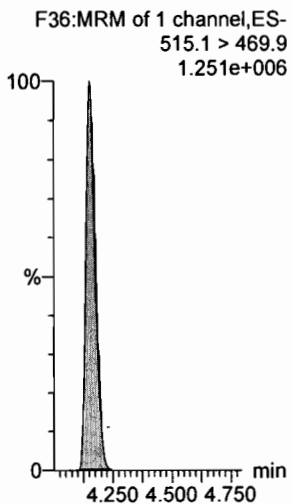
PFUnA



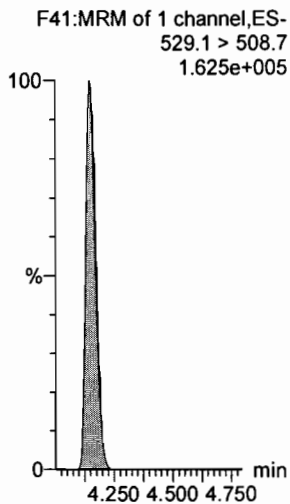
PFDS



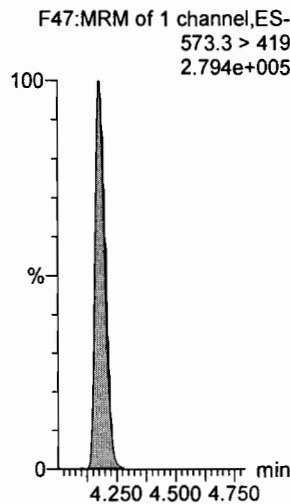
13C2-PFDA



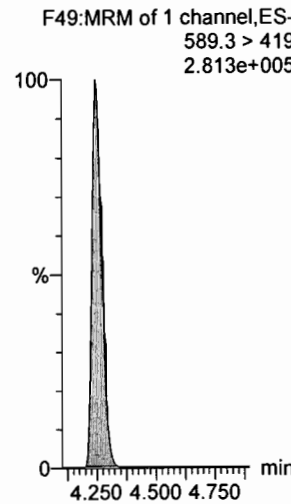
13C2-8:2 FTS



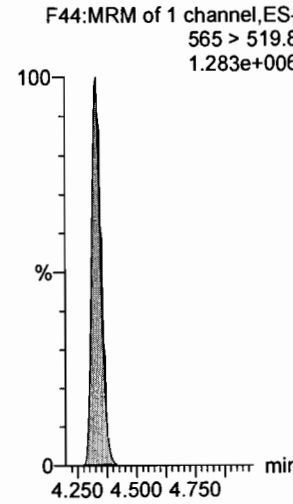
d3-N-MeFOSAA



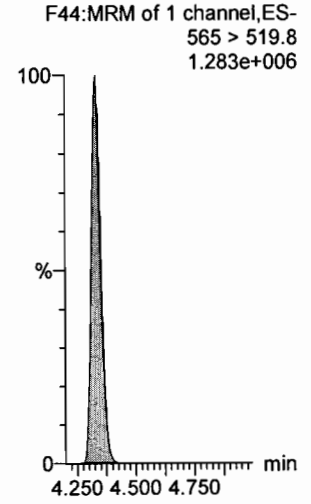
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

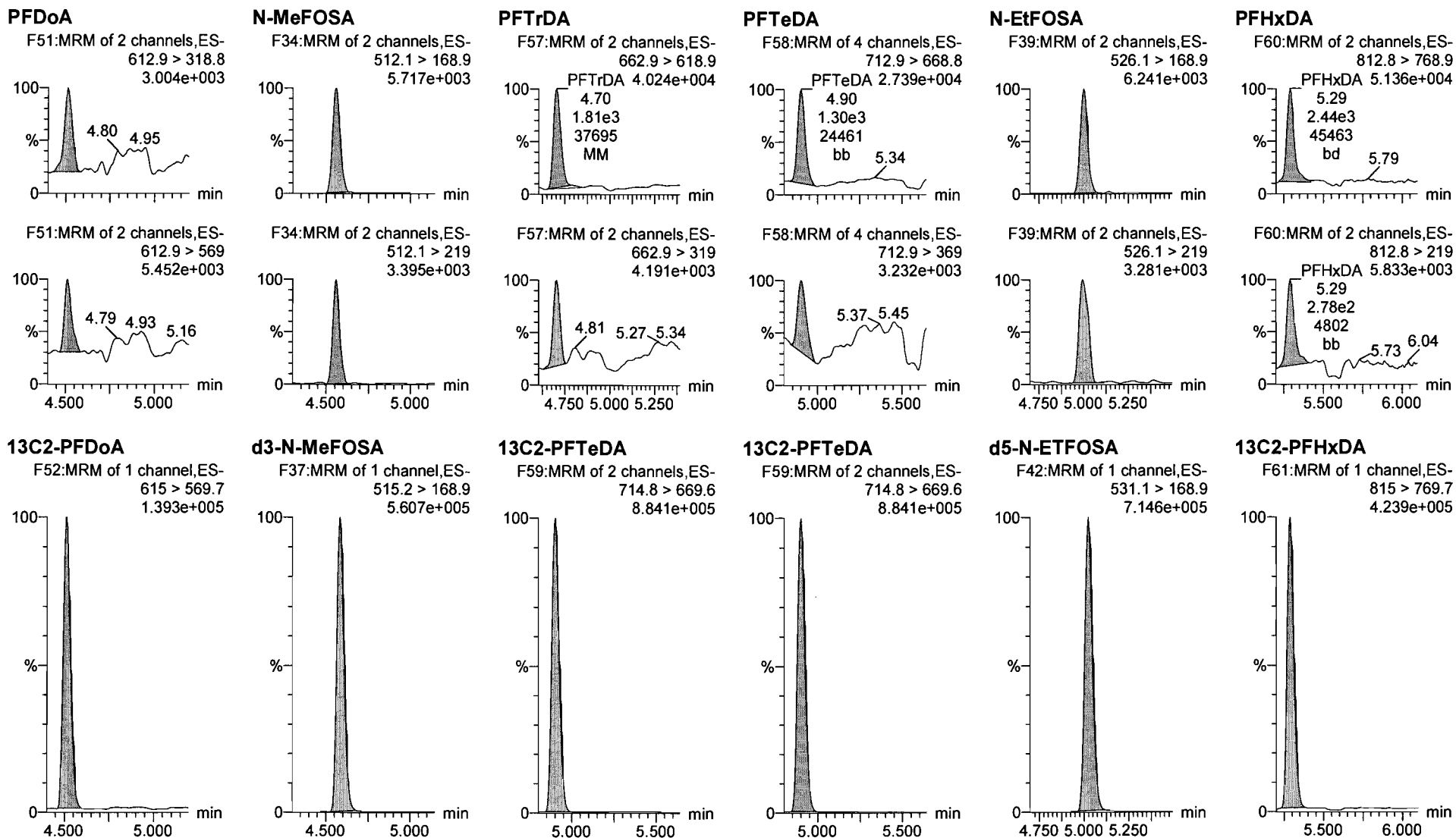


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Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_2, Date: 10-Aug-2017, Time: 20:32:31, ID: ST170810M2-1 PFC CS-2 17H1015, Description: PFC CS-2 17H1015



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

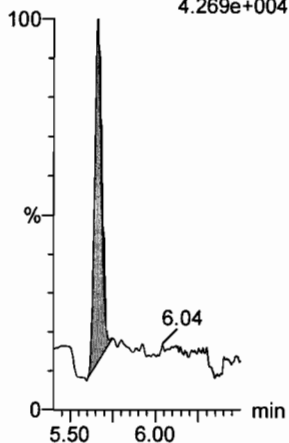
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Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

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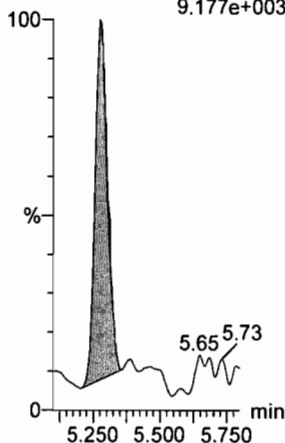
PFODA

F62:MRM of 4 channels,ES-
912.8 > 868.8
4.269e+004



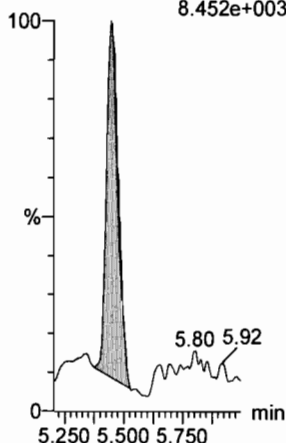
N-MeFOSE

F53:MRM of 1 channel,ES-
616.1 > 58.9
9.177e+003



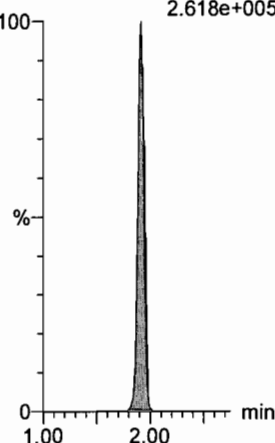
N-EtFOSE

F55:MRM of 1 channel,ES-
630.1 > 58.9
8.452e+003



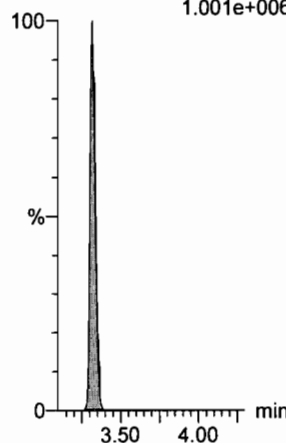
13C4-PFBA

F3:MRM of 1 channel,ES-
217 > 171.8
2.618e+005



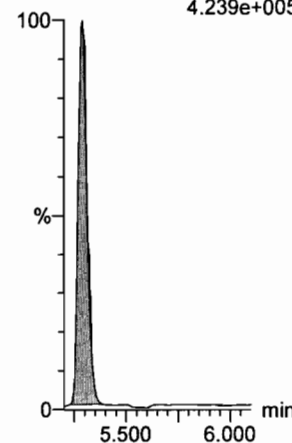
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
1.001e+006



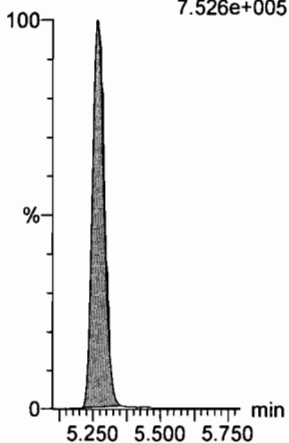
13C2-PFHxDA

F61:MRM of 1 channel,ES-
815 > 769.7
4.239e+005



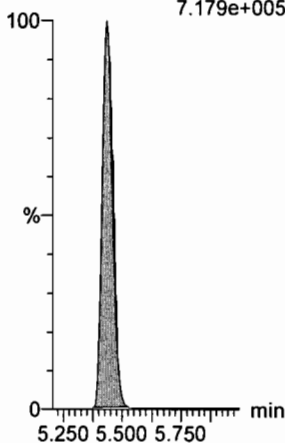
d7-N-MeFOSE

F54:MRM of 1 channel,ES-
623.1 > 58.9
7.526e+005



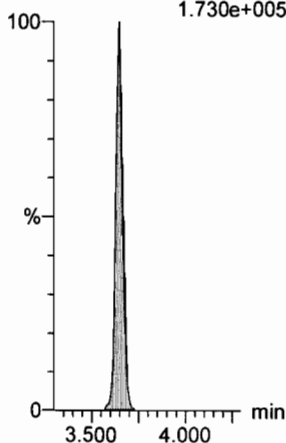
d9-N-EtFOSE

F56:MRM of 1 channel,ES-
639.2 > 58.8
7.179e+005



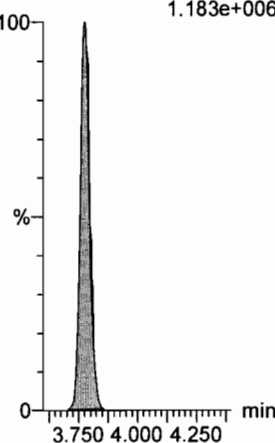
13C3-PFHxS

F17:MRM of 1 channel,ES-
401.9 > 79.9
1.730e+005



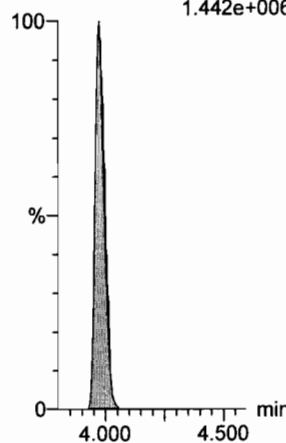
13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
1.183e+006



13C9-PFNA

F27:MRM of 1 channel,ES-
472.2 > 426.9
1.442e+006



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

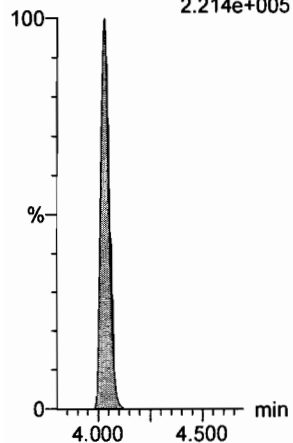
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Name: 170810M2_2, Date: 10-Aug-2017, Time: 20:32:31, ID: ST170810M2-1 PFC CS-2 17H1015, Description: PFC CS-2 17H1015

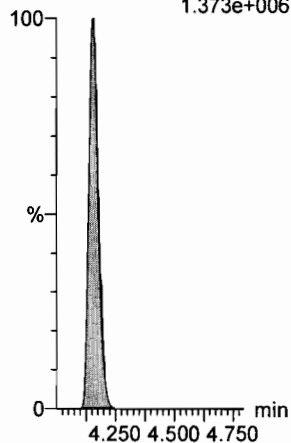
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.214e+005



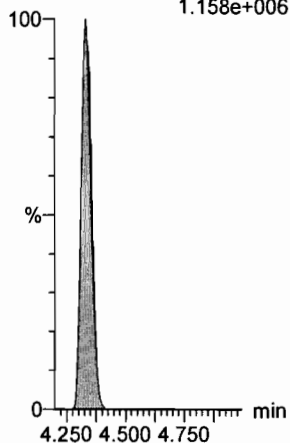
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.373e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.158e+006



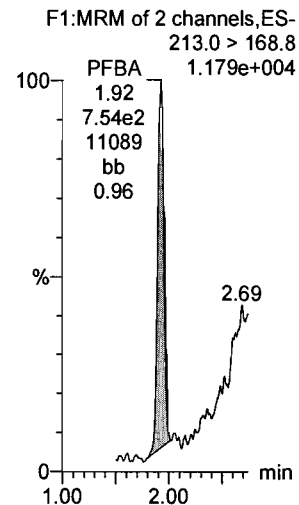
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Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

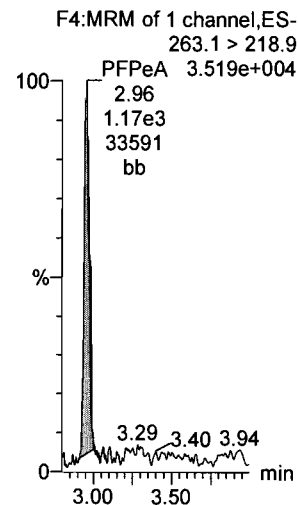
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Name: 170810M2_3, Date: 10-Aug-2017, Time: 20:43:21, ID: ST170810M2-2 PFC CS-1 17H1003, Description: PFC CS-1 17H1003

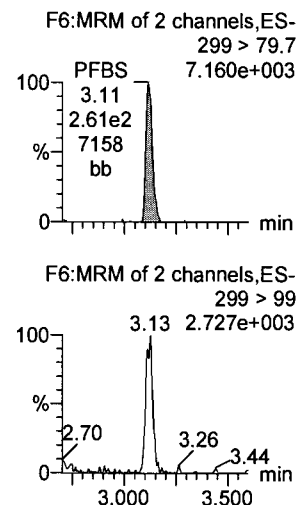
PFBA



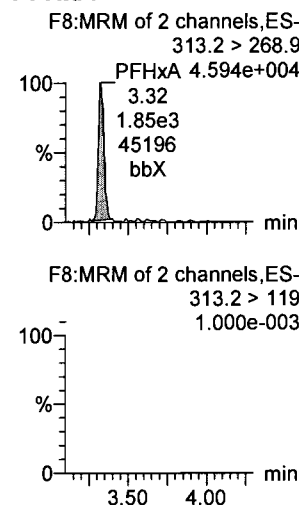
PFPeA



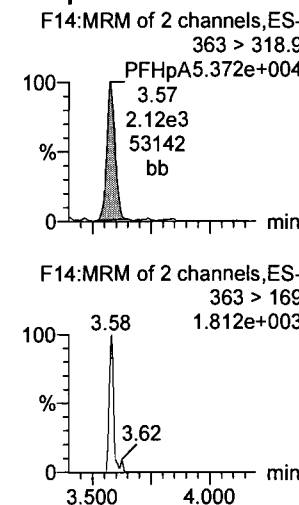
PFBS



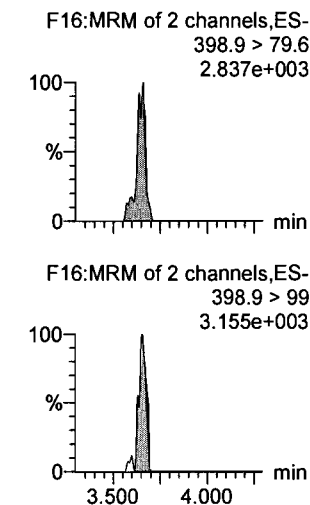
PFHxA



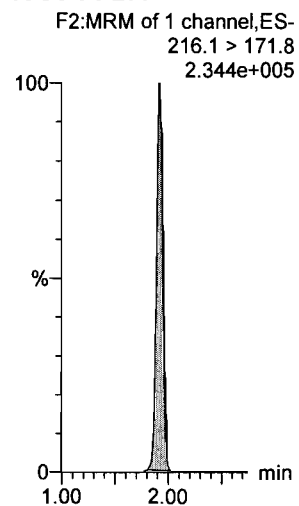
PFHpA



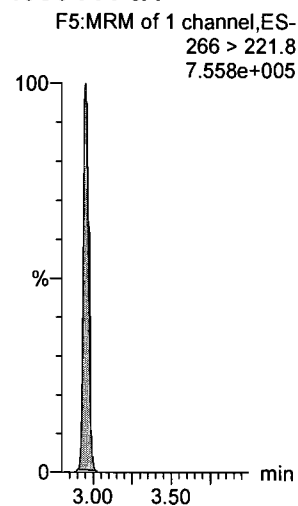
PFHxS



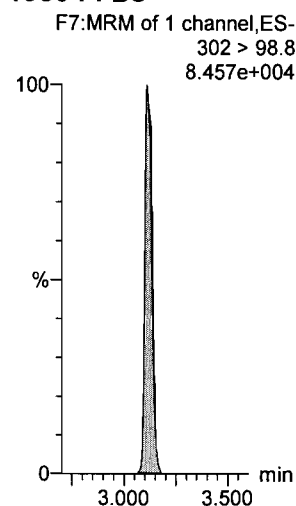
13C3-PFBA



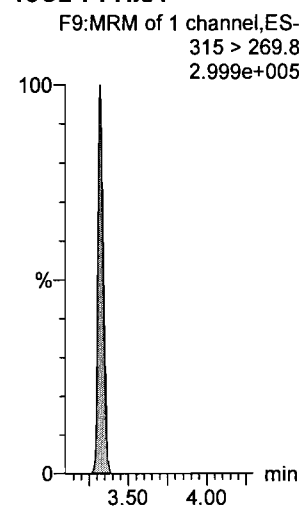
13C3-PFPeA



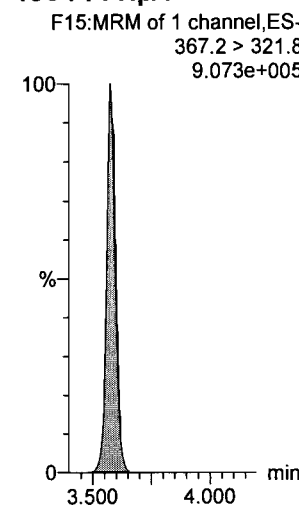
13C3-PFBS



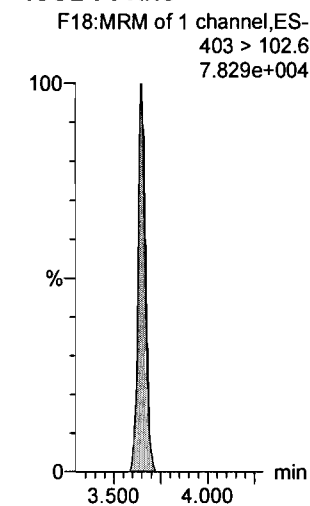
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

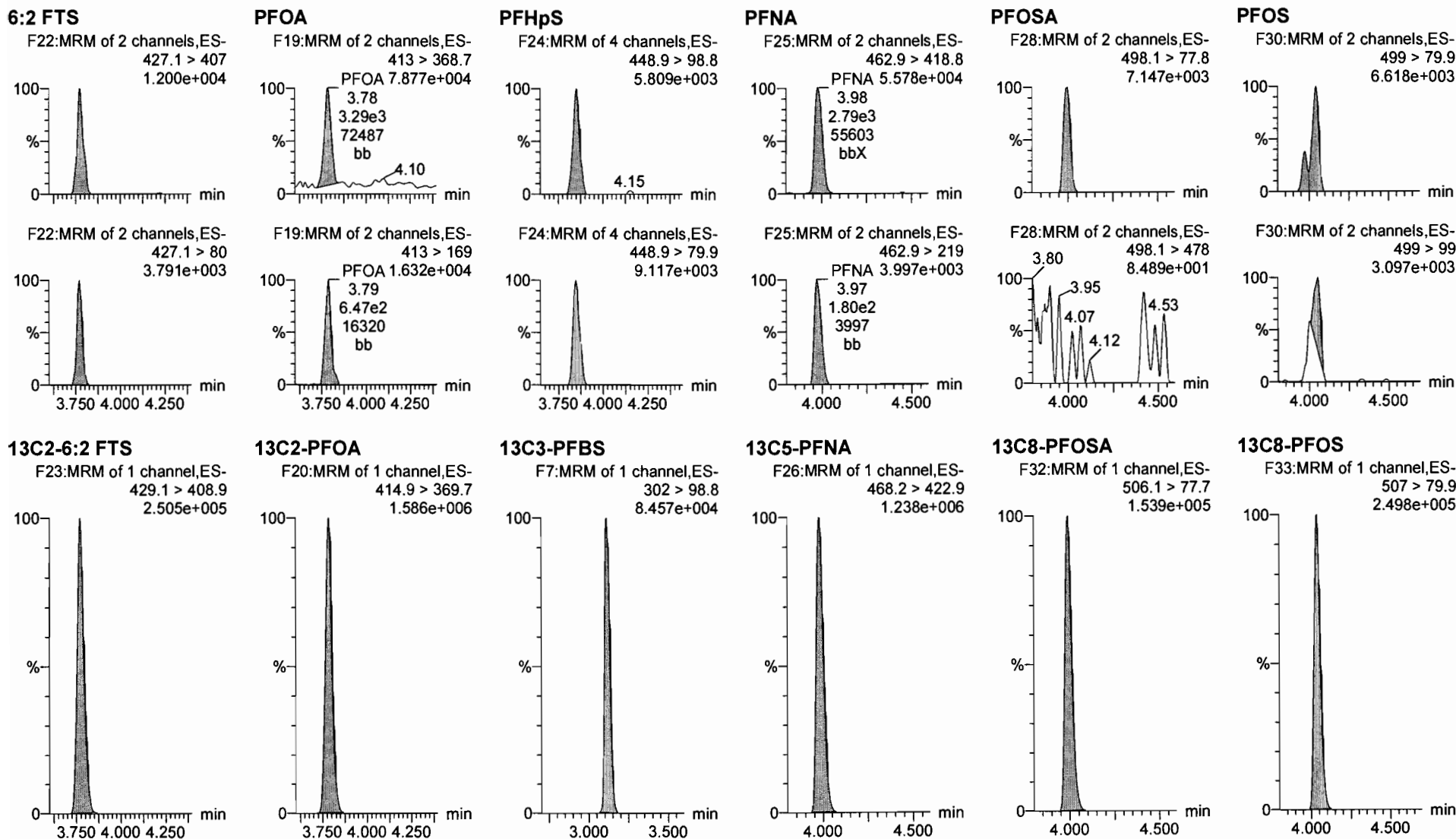


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Name: 170810M2_3, Date: 10-Aug-2017, Time: 20:43:21, ID: ST170810M2-2 PFC CS-1 17H1003, Description: PFC CS-1 17H1003



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

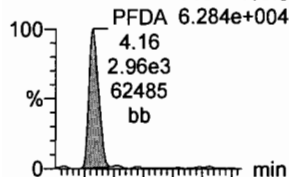
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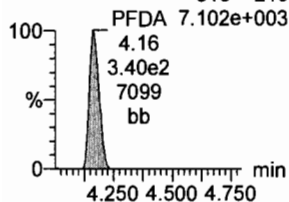
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PFDA

F35:MRM of 2 channels,ES-
513 > 468.8

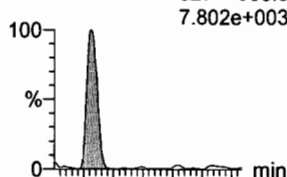


F35:MRM of 2 channels,ES-
513 > 219

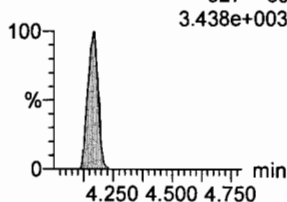


8:2 FTS

F40:MRM of 2 channels,ES-
527 > 506.9

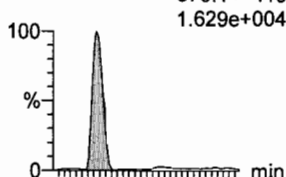


F40:MRM of 2 channels,ES-
527 > 80

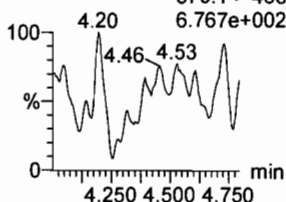


N-MeFOSAA

F45:MRM of 2 channels,ES-
570.1 > 419

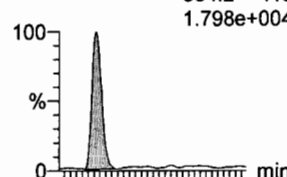


F45:MRM of 2 channels,ES-
570.1 > 483

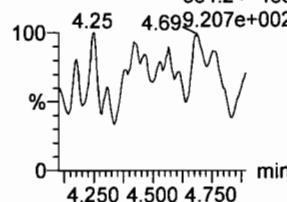


N-EtFOSAA

F48:MRM of 2 channels,ES-
584.2 > 419

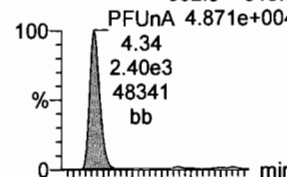


F48:MRM of 2 channels,ES-
584.2 > 483

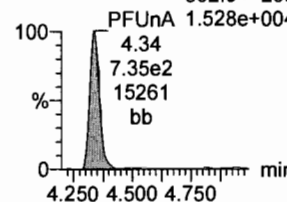


PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9

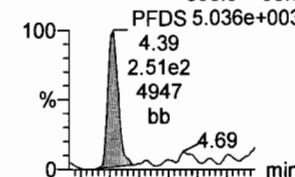


F43:MRM of 2 channels,ES-
562.9 > 269

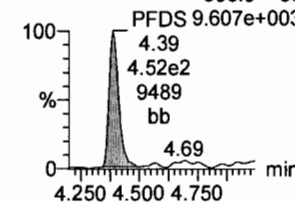


PFDS

F50:MRM of 2 channels,ES-
598.9 > 98.7

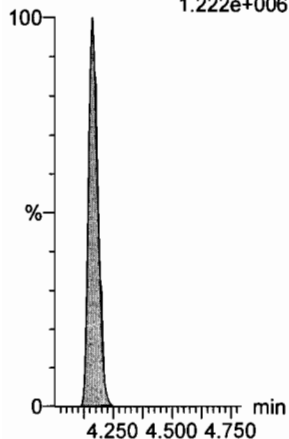


F50:MRM of 2 channels,ES-
598.9 > 80



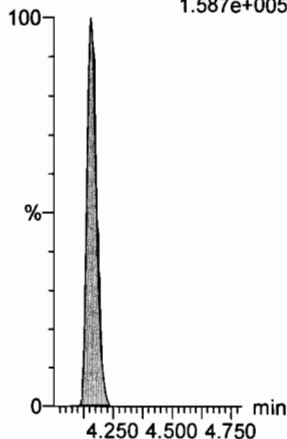
13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9



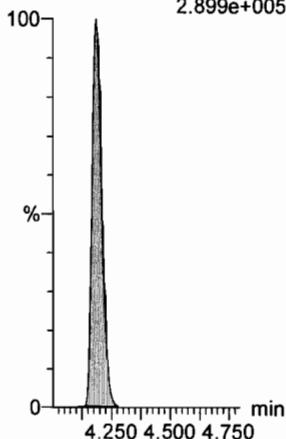
13C2-8:2 FTS

F41:MRM of 1 channel,ES-
529.1 > 508.7



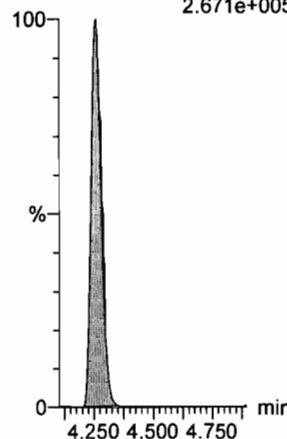
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419



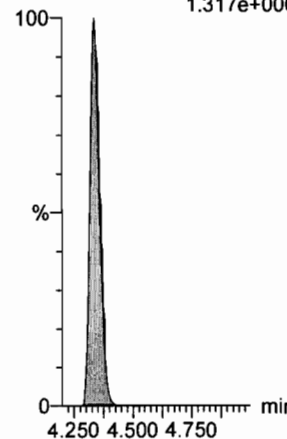
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419



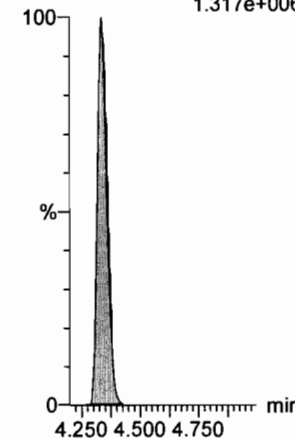
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8



13C2-PFUnA

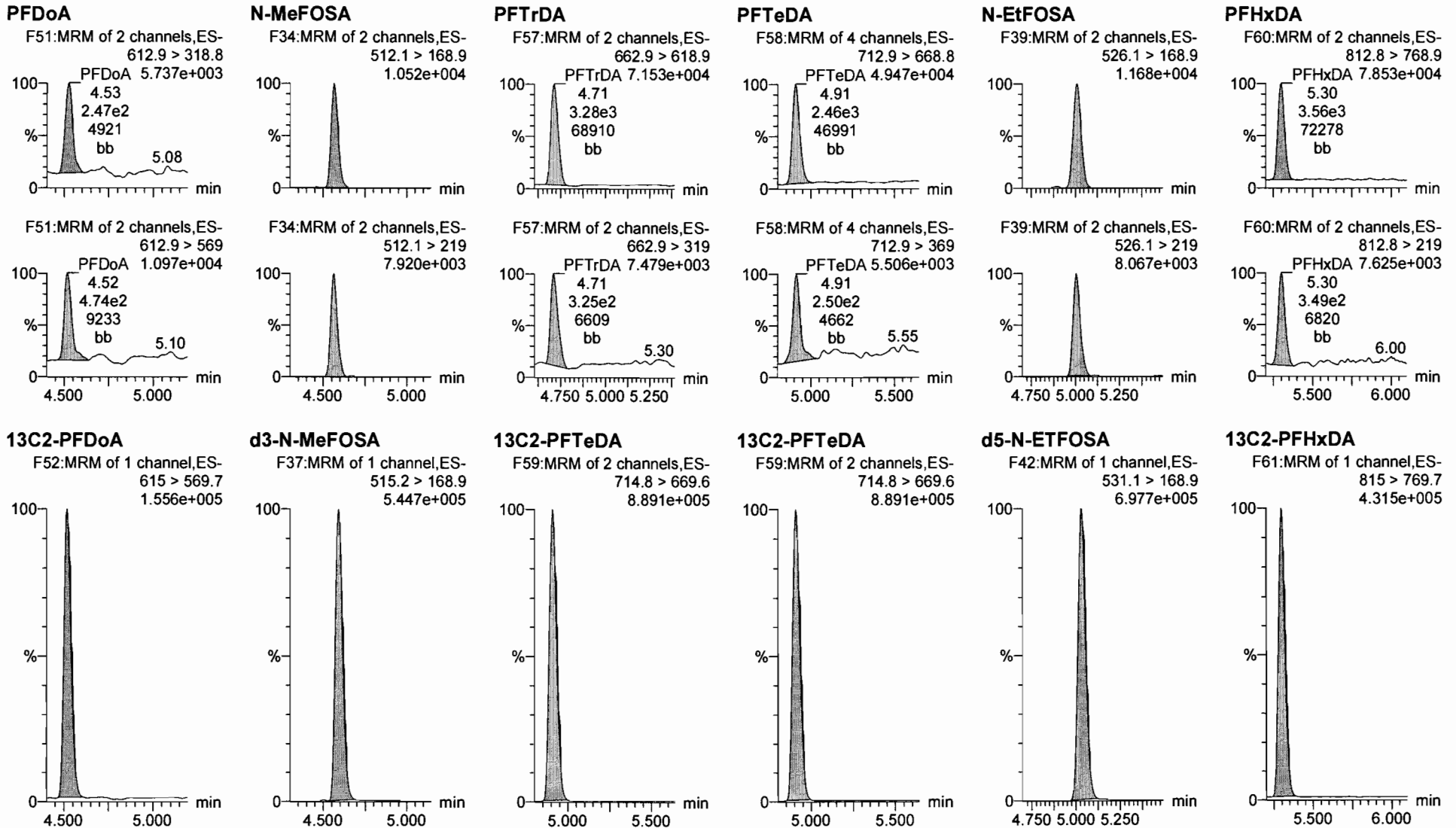
F44:MRM of 1 channel,ES-
565 > 519.8



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time
Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_3, Date: 10-Aug-2017, Time: 20:43:21, ID: ST170810M2-2 PFC CS-1 17H1003, Description: PFC CS-1 17H1003

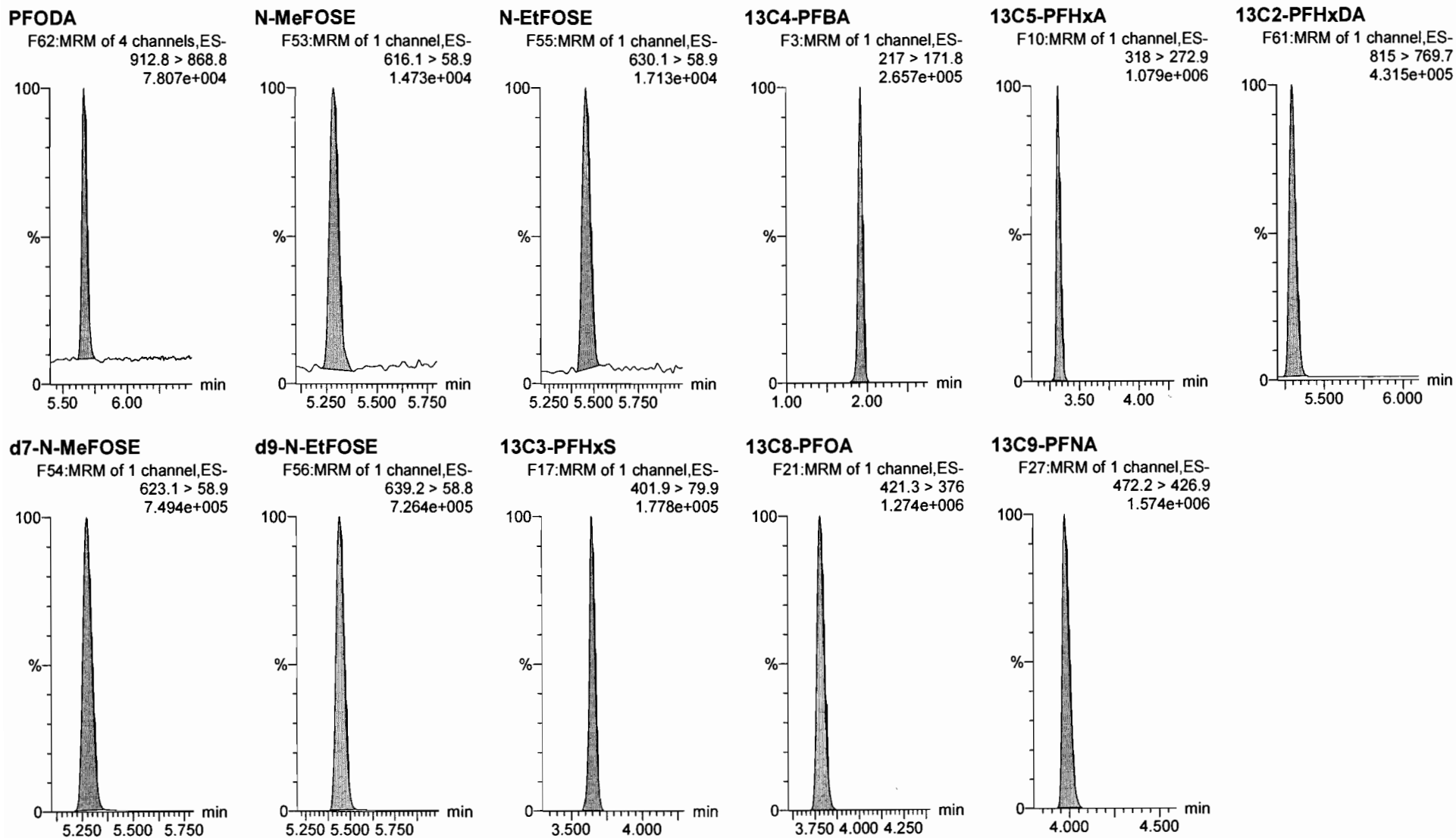


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Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_3, Date: 10-Aug-2017, Time: 20:43:21, ID: ST170810M2-2 PFC CS-1 17H1003, Description: PFC CS-1 17H1003



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

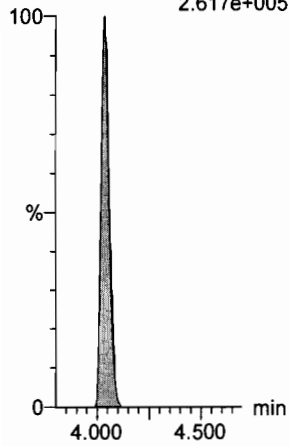
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Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

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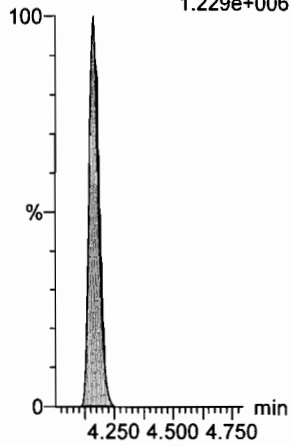
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.617e+005



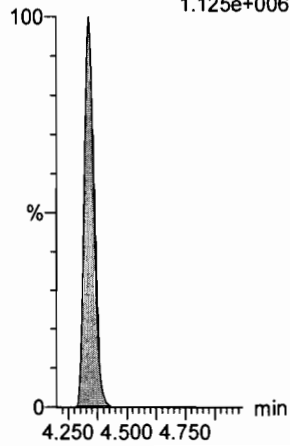
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.229e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.125e+006



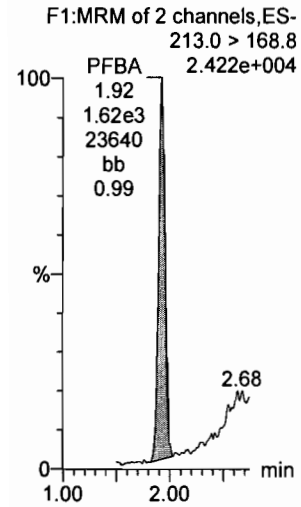
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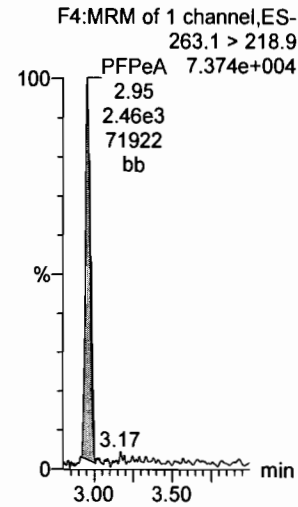
Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_4, Date: 10-Aug-2017, Time: 20:54:09, ID: ST170810M2-3 PFC CS0 17H1004, Description: PFC CS0 17H1004

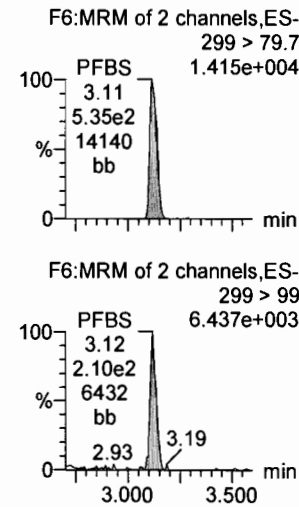
PFBA



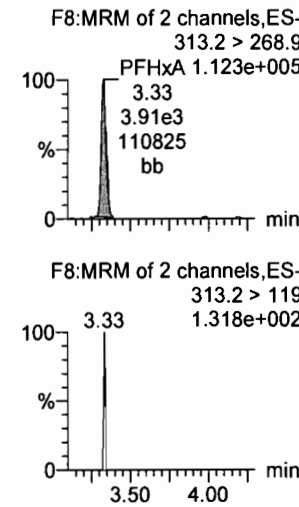
PFPeA



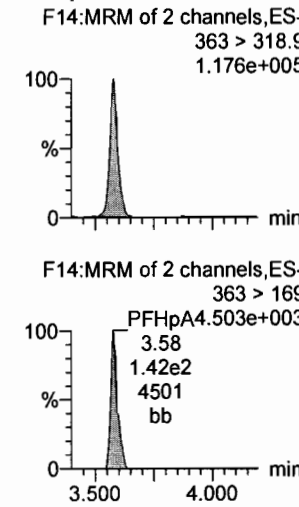
PFBS



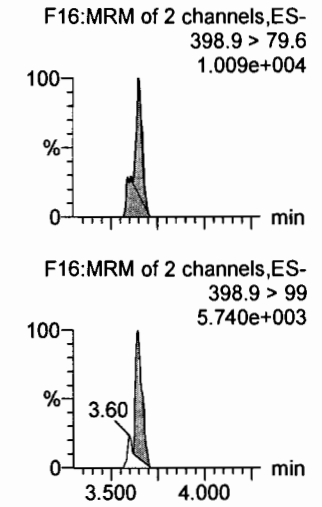
PFHxA



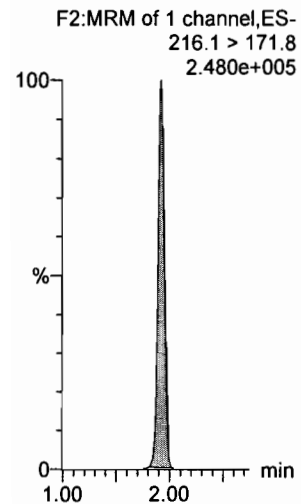
PFHpA



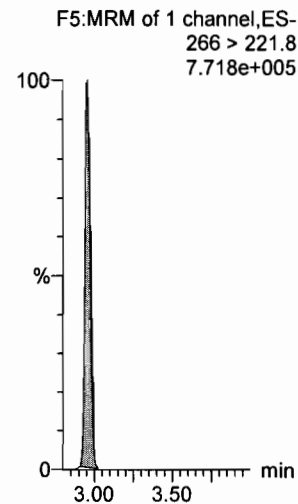
PFHxS



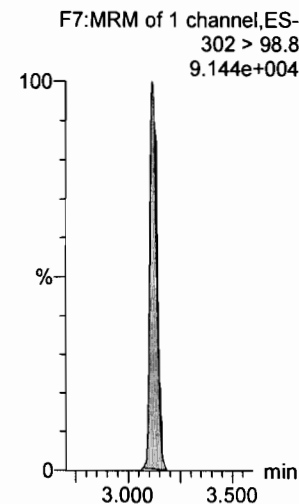
13C3-PFBA



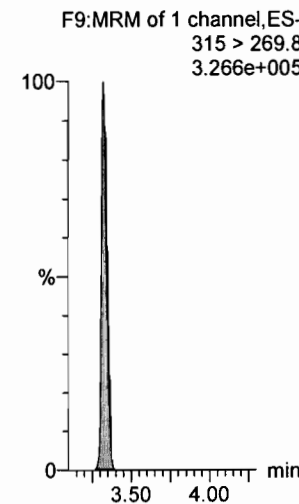
13C3-PFPeA



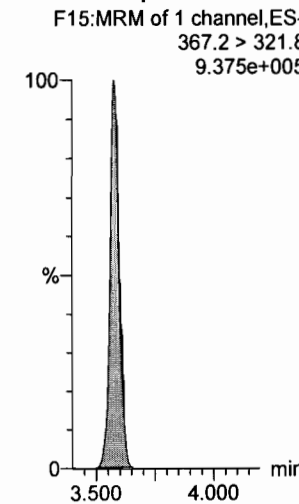
13C3-PFBS



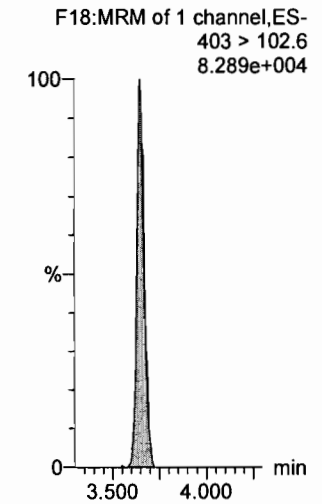
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

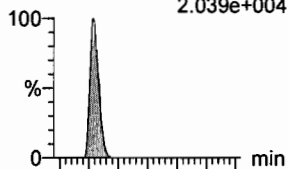
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Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

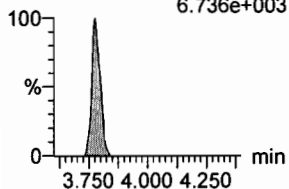
Name: 170810M2_4, Date: 10-Aug-2017, Time: 20:54:09, ID: ST170810M2-3 PFC CS0 17H1004, Description: PFC CS0 17H1004

6:2 FTS

F22:MRM of 2 channels,ES-
427.1 > 407
2.039e+004

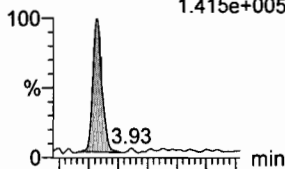


F22:MRM of 2 channels,ES-
427.1 > 80
6.736e+003

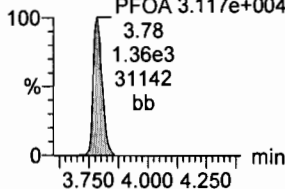


PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
1.415e+005

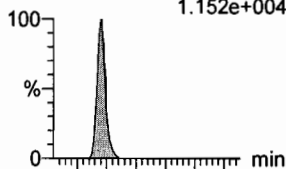


F19:MRM of 2 channels,ES-
413 > 169
PFOA 3.117e+004

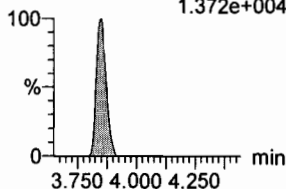


PFHpS

F24:MRM of 4 channels,ES-
448.9 > 98.8
1.152e+004

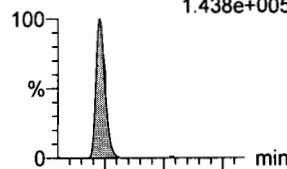


F24:MRM of 4 channels,ES-
448.9 > 79.9
1.372e+004

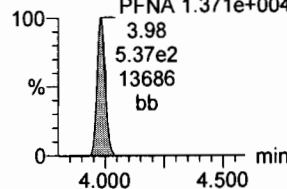


PFNA

F25:MRM of 2 channels,ES-
462.9 > 418.8
1.438e+005

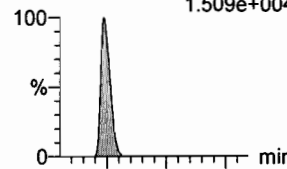


F25:MRM of 2 channels,ES-
462.9 > 219
PFNA 1.371e+004

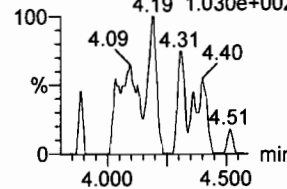


PFOSA

F28:MRM of 2 channels,ES-
498.1 > 77.8
1.509e+004

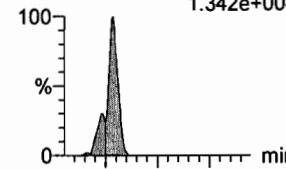


F28:MRM of 2 channels,ES-
498.1 > 478
1.030e+002

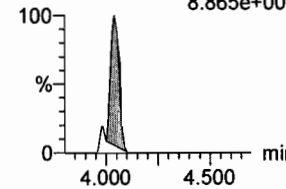


PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
1.342e+004

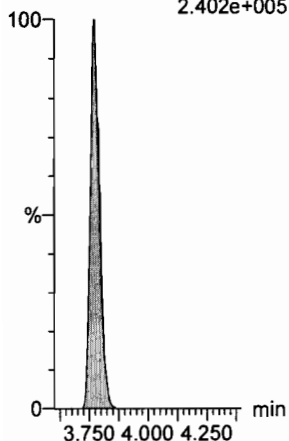


F30:MRM of 2 channels,ES-
499 > 99
8.865e+003



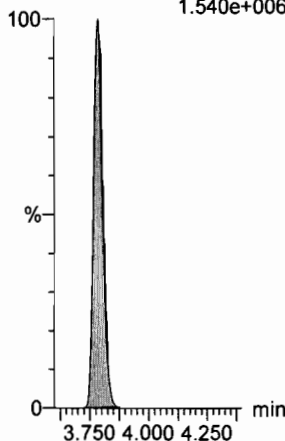
13C2-6:2 FTS

F23:MRM of 1 channel,ES-
429.1 > 408.9
2.402e+005



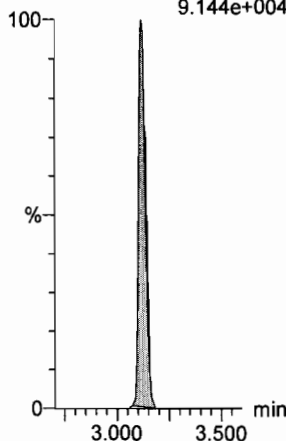
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
1.540e+006



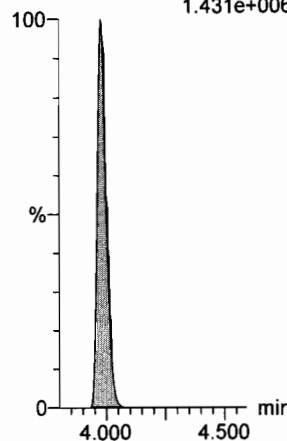
13C3-PFBS

F7:MRM of 1 channel,ES-
302 > 98.8
9.144e+004



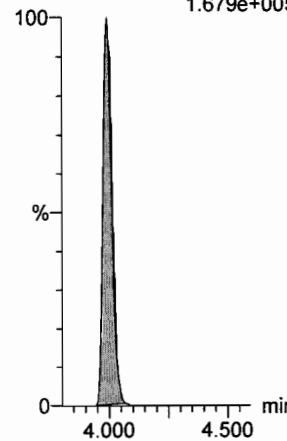
13C5-PFNA

F26:MRM of 1 channel,ES-
468.2 > 422.9
1.431e+006



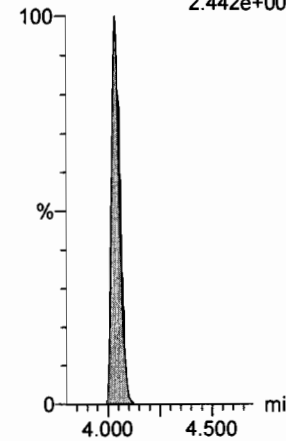
13C8-PFOA

F32:MRM of 1 channel,ES-
506.1 > 77.7
1.679e+005



13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
2.442e+005



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

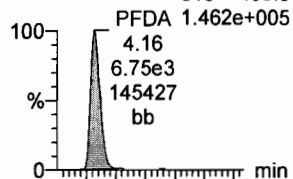
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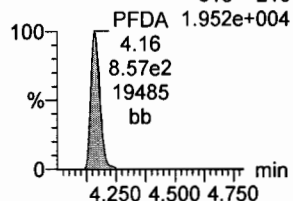
Name: 170810M2_4, Date: 10-Aug-2017, Time: 20:54:09, ID: ST170810M2-3 PFC CS0 17H1004, Description: PFC CS0 17H1004

PFDA

F35:MRM of 2 channels,ES-
513 > 468.8



F35:MRM of 2 channels,ES-
513 > 219

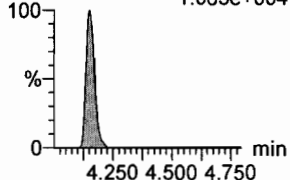


8:2 FTS

F40:MRM of 2 channels,ES-
527 > 506.9

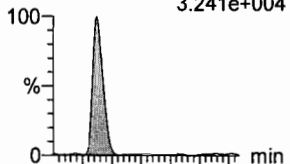


F40:MRM of 2 channels,ES-
527 > 80

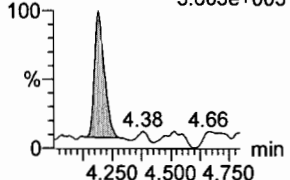


N-MeFOSAA

F45:MRM of 2 channels,ES-
570.1 > 419

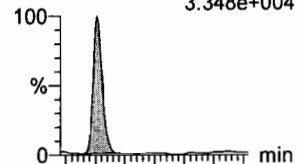


F45:MRM of 2 channels,ES-
570.1 > 483

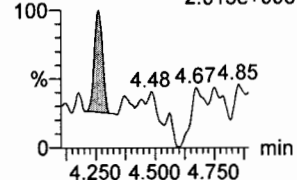


N-EtFOSAA

F48:MRM of 2 channels,ES-
584.2 > 419

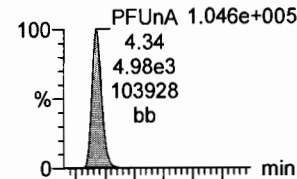


F48:MRM of 2 channels,ES-
584.2 > 483

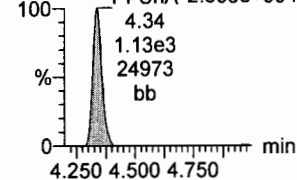


PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9

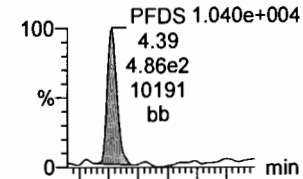


F43:MRM of 2 channels,ES-
562.9 > 269

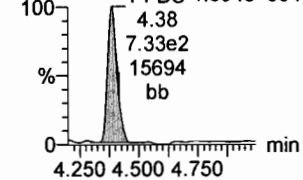


PFDS

F50:MRM of 2 channels,ES-
598.9 > 98.7

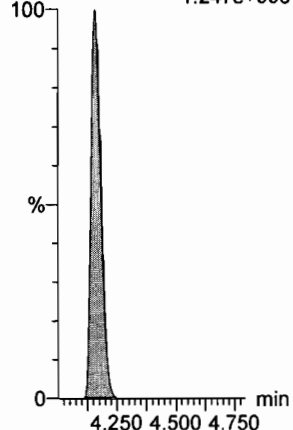


F50:MRM of 2 channels,ES-
598.9 > 80



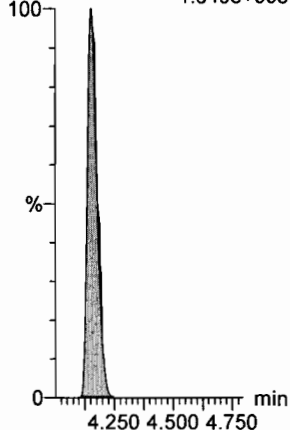
13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9



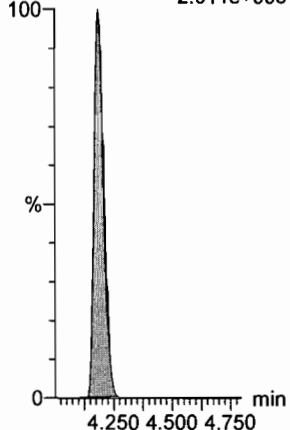
13C2-8:2 FTS

F41:MRM of 1 channel,ES-
529.1 > 508.7



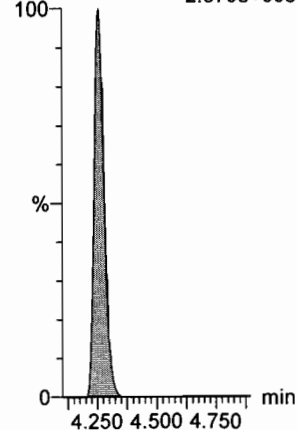
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419



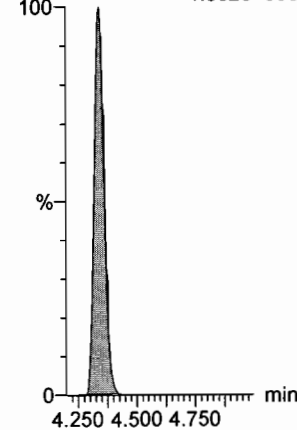
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419



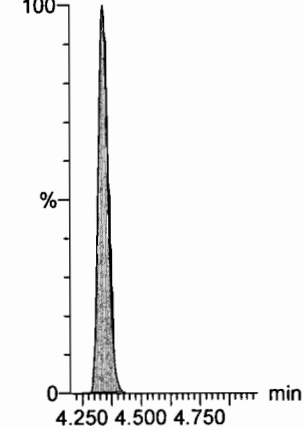
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8



13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8

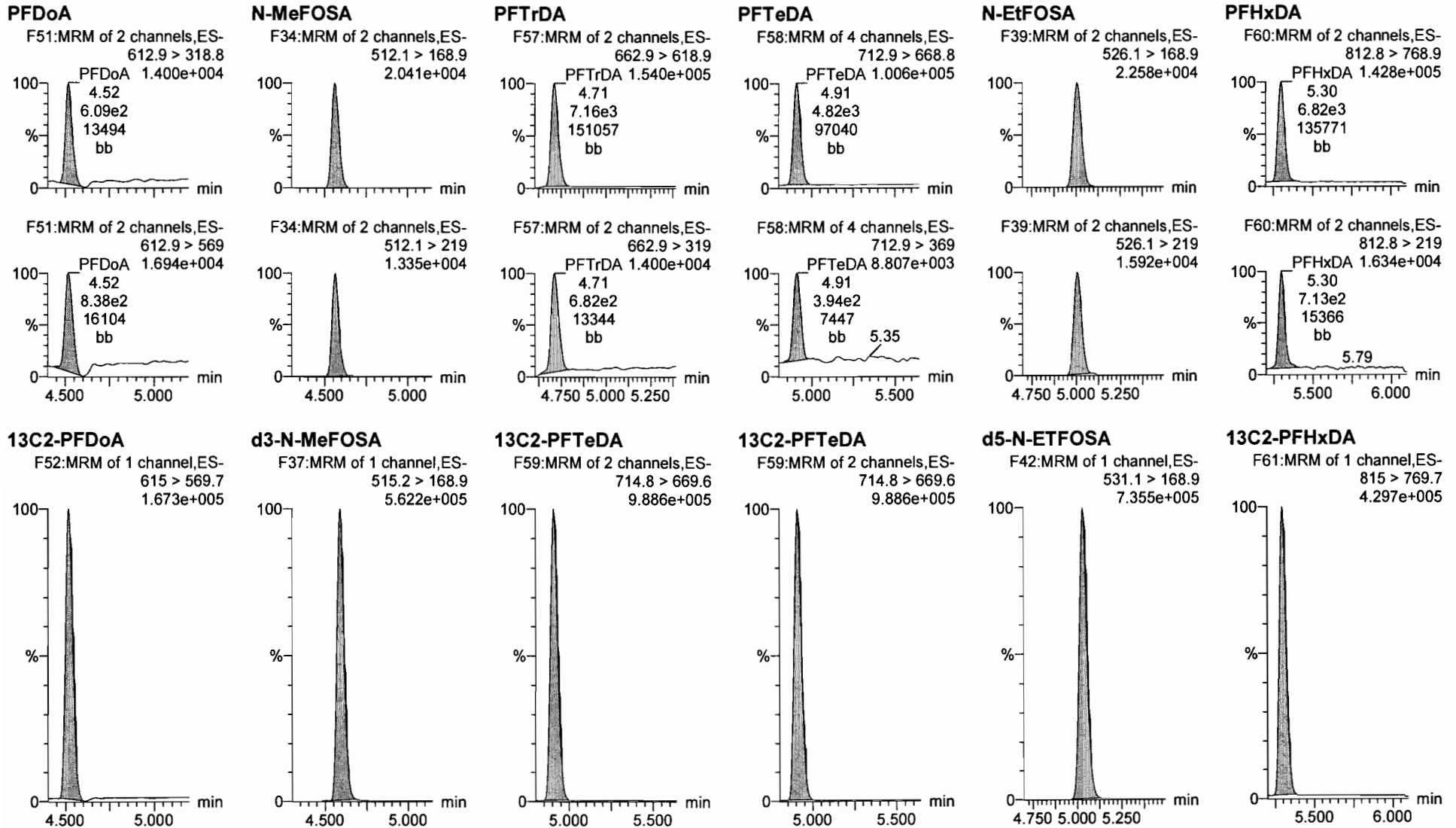


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Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

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Name: 170810M2_4, Date: 10-Aug-2017, Time: 20:54:09, ID: ST170810M2-3 PFC CS0 17H1004, Description: PFC CS0 17H1004



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

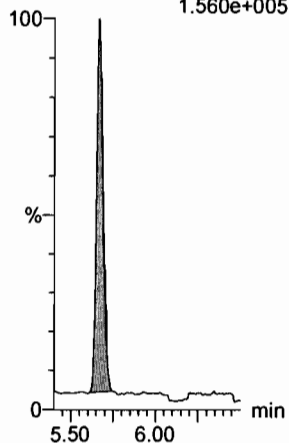
Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_4, Date: 10-Aug-2017, Time: 20:54:09, ID: ST170810M2-3 PFC CS0 17H1004, Description: PFC CS0 17H1004

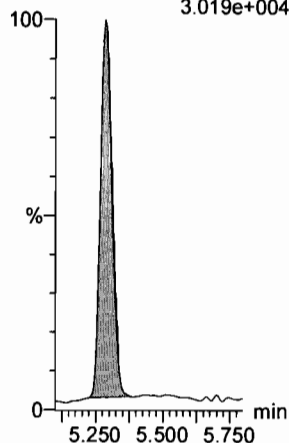
PFODA

F62:MRM of 4 channels,ES-
912.8 > 868.8
1.560e+005



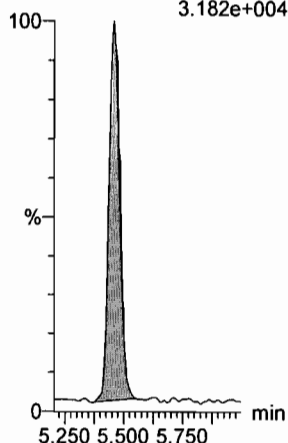
N-MeFOSE

F53:MRM of 1 channel,ES-
616.1 > 58.9
3.019e+004



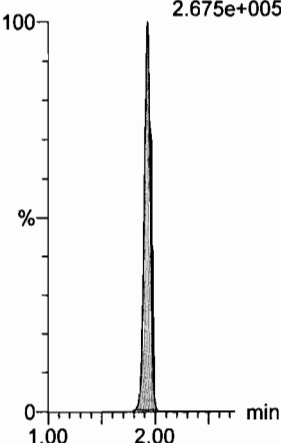
N-EtFOSE

F55:MRM of 1 channel,ES-
630.1 > 58.9
3.182e+004



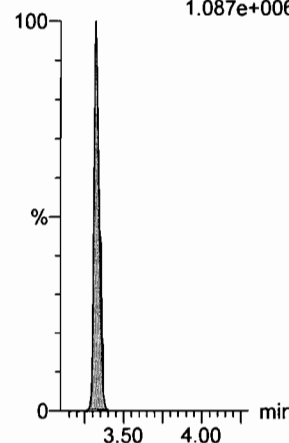
13C4-PFBA

F3:MRM of 1 channel,ES-
217 > 171.8
2.675e+005



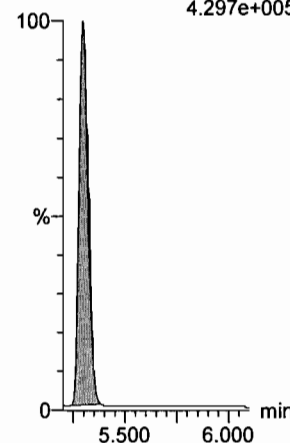
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
1.087e+006



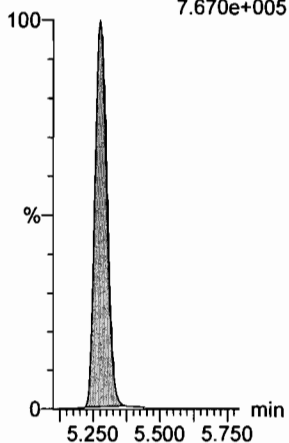
13C2-PFHxDA

F61:MRM of 1 channel,ES-
815 > 769.7
4.297e+005



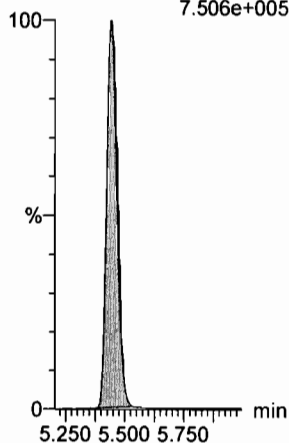
d7-N-MeFOSE

F54:MRM of 1 channel,ES-
623.1 > 58.9
7.670e+005



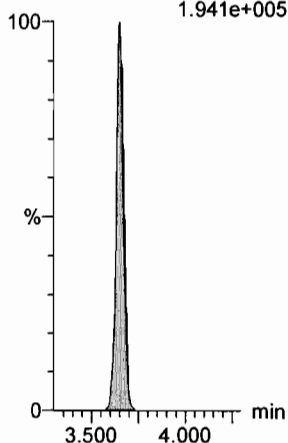
d9-N-EtFOSE

F56:MRM of 1 channel,ES-
639.2 > 58.8
7.506e+005



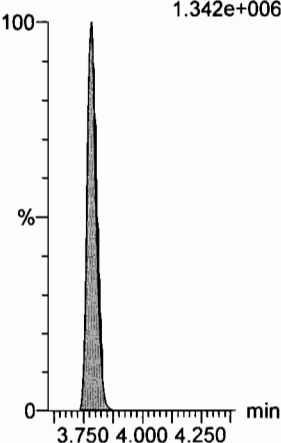
13C3-PFHxS

F17:MRM of 1 channel,ES-
401.9 > 79.9
1.941e+005



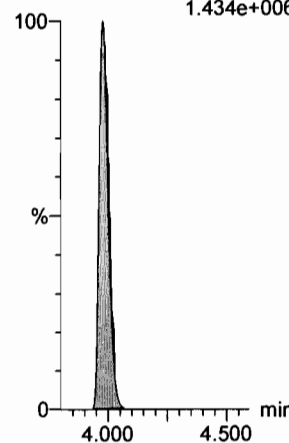
13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
1.342e+006



13C9-PFNA

F27:MRM of 1 channel,ES-
472.2 > 426.9
1.434e+006



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

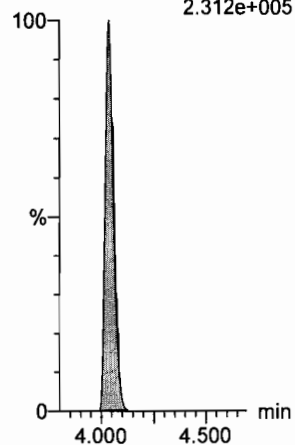
Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_4, Date: 10-Aug-2017, Time: 20:54:09, ID: ST170810M2-3 PFC CS0 17H1004, Description: PFC CS0 17H1004

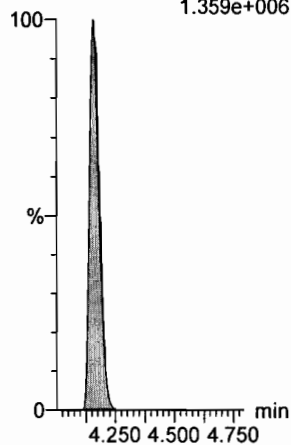
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.312e+005



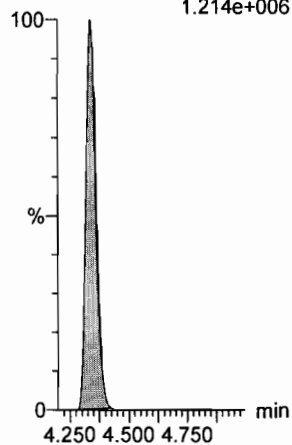
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.359e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.214e+006



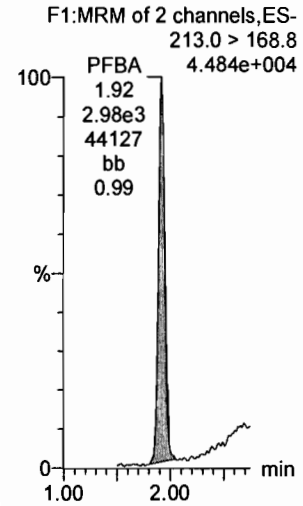
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Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

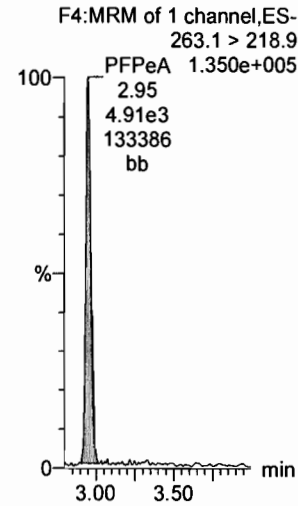
Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_5, Date: 10-Aug-2017, Time: 21:05:02, ID: ST170810M2-4 PFC CS1 17H1016, Description: PFC CS1 17H1016

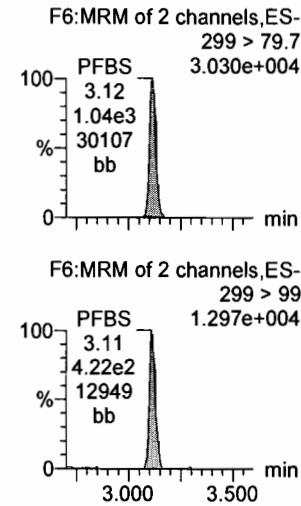
PFBA



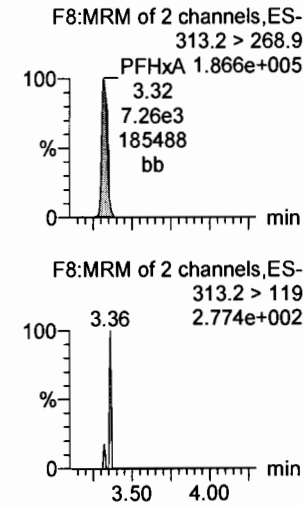
PFPeA



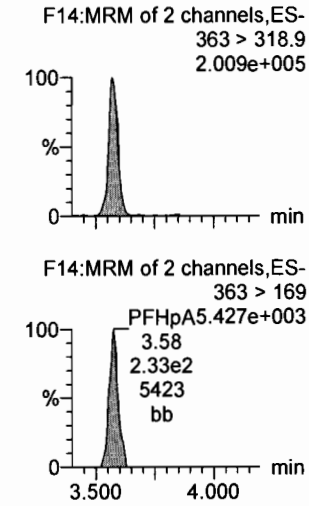
PFBS



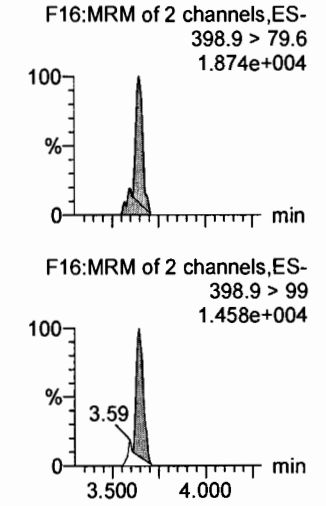
PFHxA



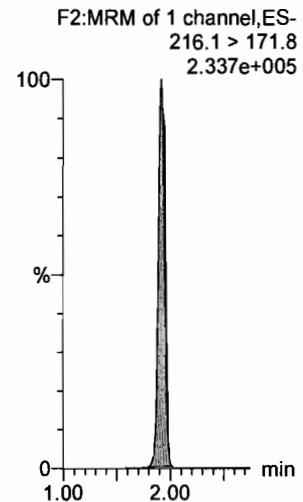
PFHpA



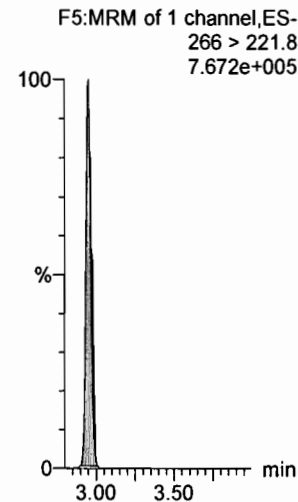
PFHxS



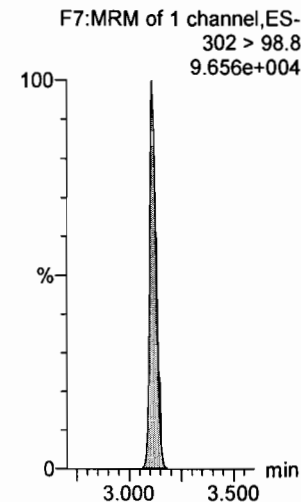
13C3-PFBA



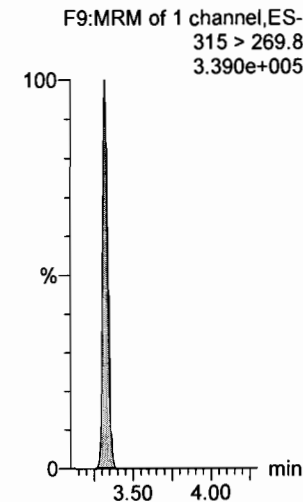
13C3-PFPeA



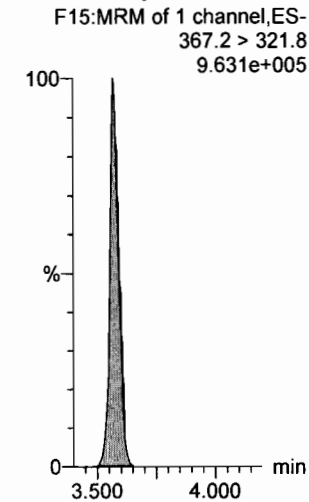
13C3-PFBS



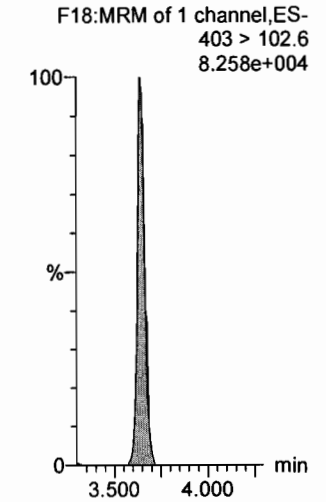
13C2-PFHxA



13C4-PFHpA



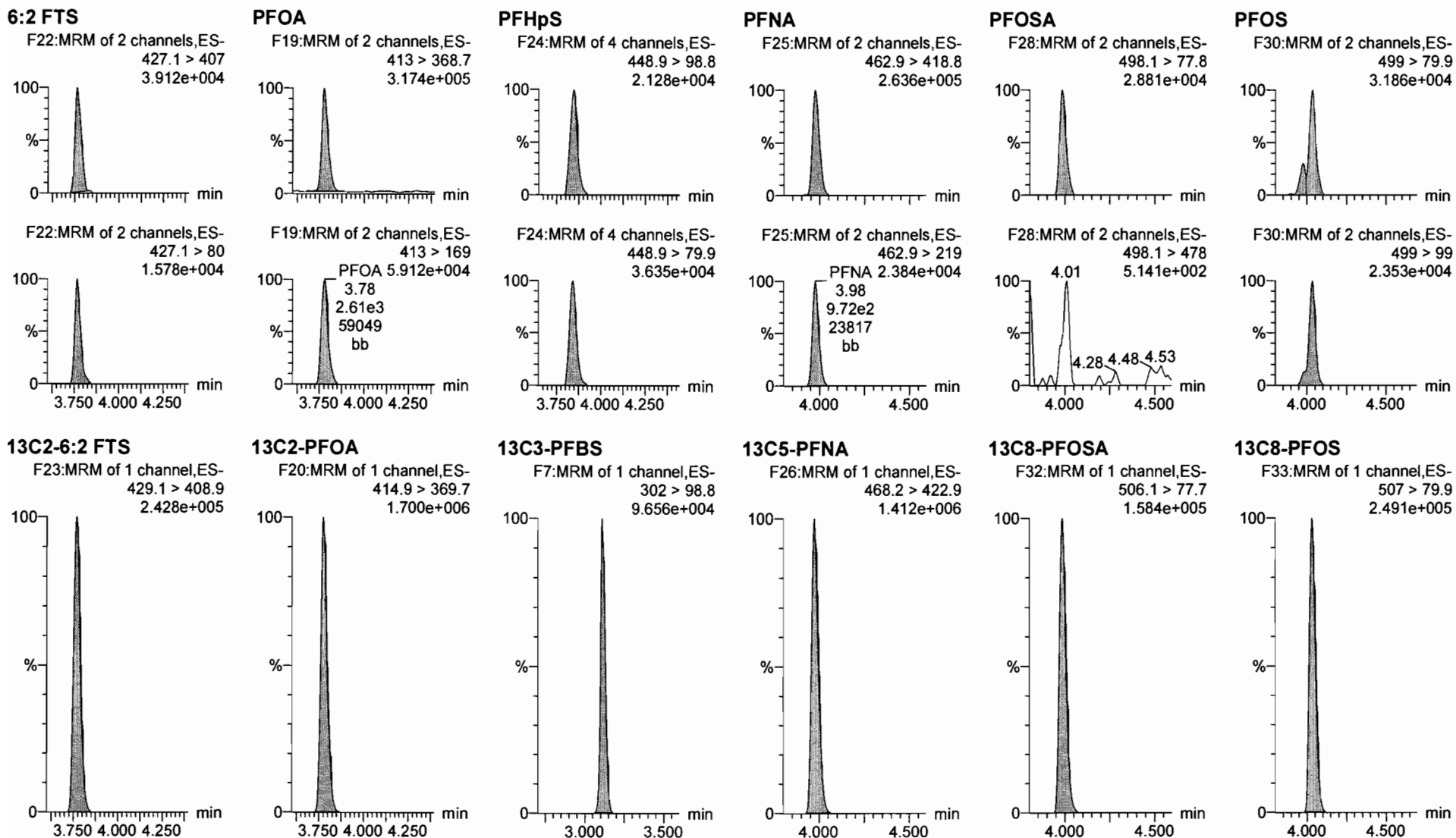
18O2-PFHxS



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time
Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_5, Date: 10-Aug-2017, Time: 21:05:02, ID: ST170810M2-4 PFC CS1 17H1016, Description: PFC CS1 17H1016



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

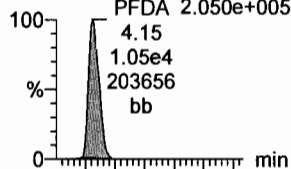
Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_5, Date: 10-Aug-2017, Time: 21:05:02, ID: ST170810M2-4 PFC CS1 17H1016, Description: PFC CS1 17H1016

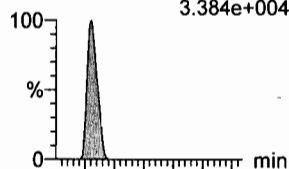
PFDA

F35:MRM of 2 channels,ES-
513 > 468.8
PFDA 2.050e+005



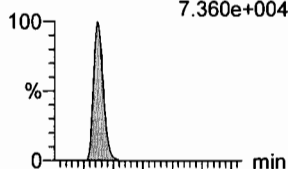
8:2 FTS

F40:MRM of 2 channels,ES-
527 > 506.9
3.384e+004



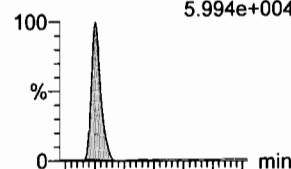
N-MeFOSAA

F45:MRM of 2 channels,ES-
570.1 > 419
7.360e+004



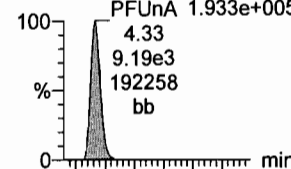
N-EtFOSAA

F48:MRM of 2 channels,ES-
584.2 > 419
5.994e+004



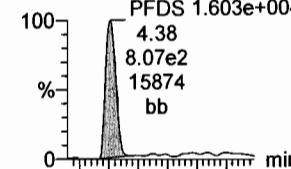
PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9
PFUnA 1.933e+005

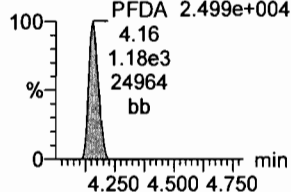


PFDS

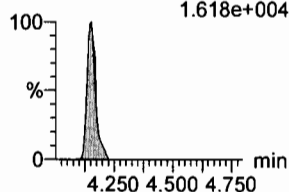
F50:MRM of 2 channels,ES-
598.9 > 98.7
PFDS 1.603e+004



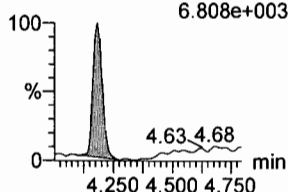
F35:MRM of 2 channels,ES-
513 > 219
PFDA 2.499e+004



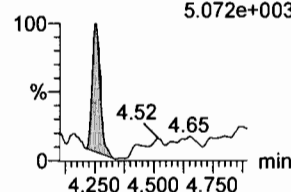
F40:MRM of 2 channels,ES-
527 > 80
1.618e+004



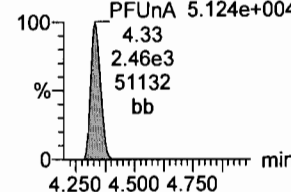
F45:MRM of 2 channels,ES-
570.1 > 483
6.808e+003



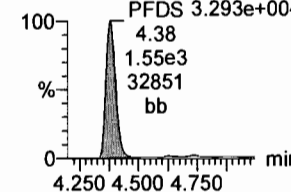
F48:MRM of 2 channels,ES-
584.2 > 483
5.072e+003



F43:MRM of 2 channels,ES-
562.9 > 269
PFUnA 5.124e+004

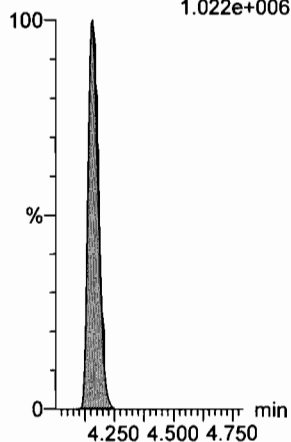


F50:MRM of 2 channels,ES-
598.9 > 80
PFDS 3.293e+004



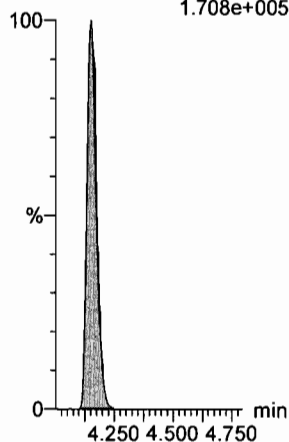
13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
1.022e+006



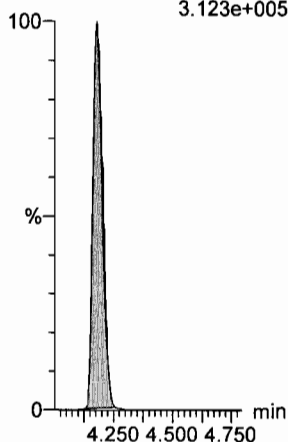
13C2-8:2 FTS

F41:MRM of 1 channel,ES-
529.1 > 508.7
1.708e+005



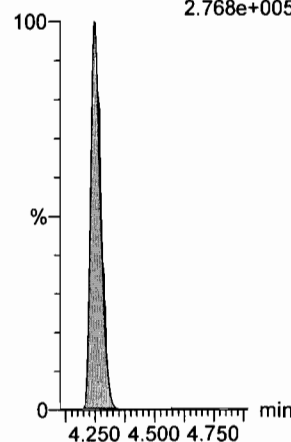
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419
3.123e+005



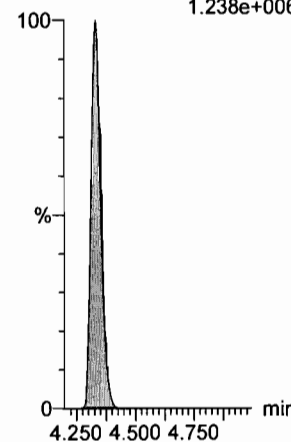
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419
2.768e+005



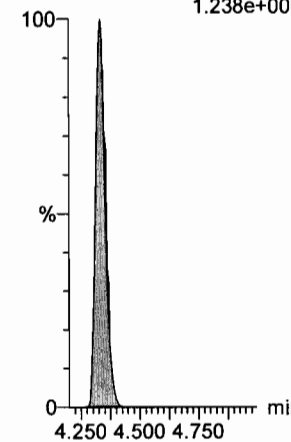
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
1.238e+006



13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
1.238e+006

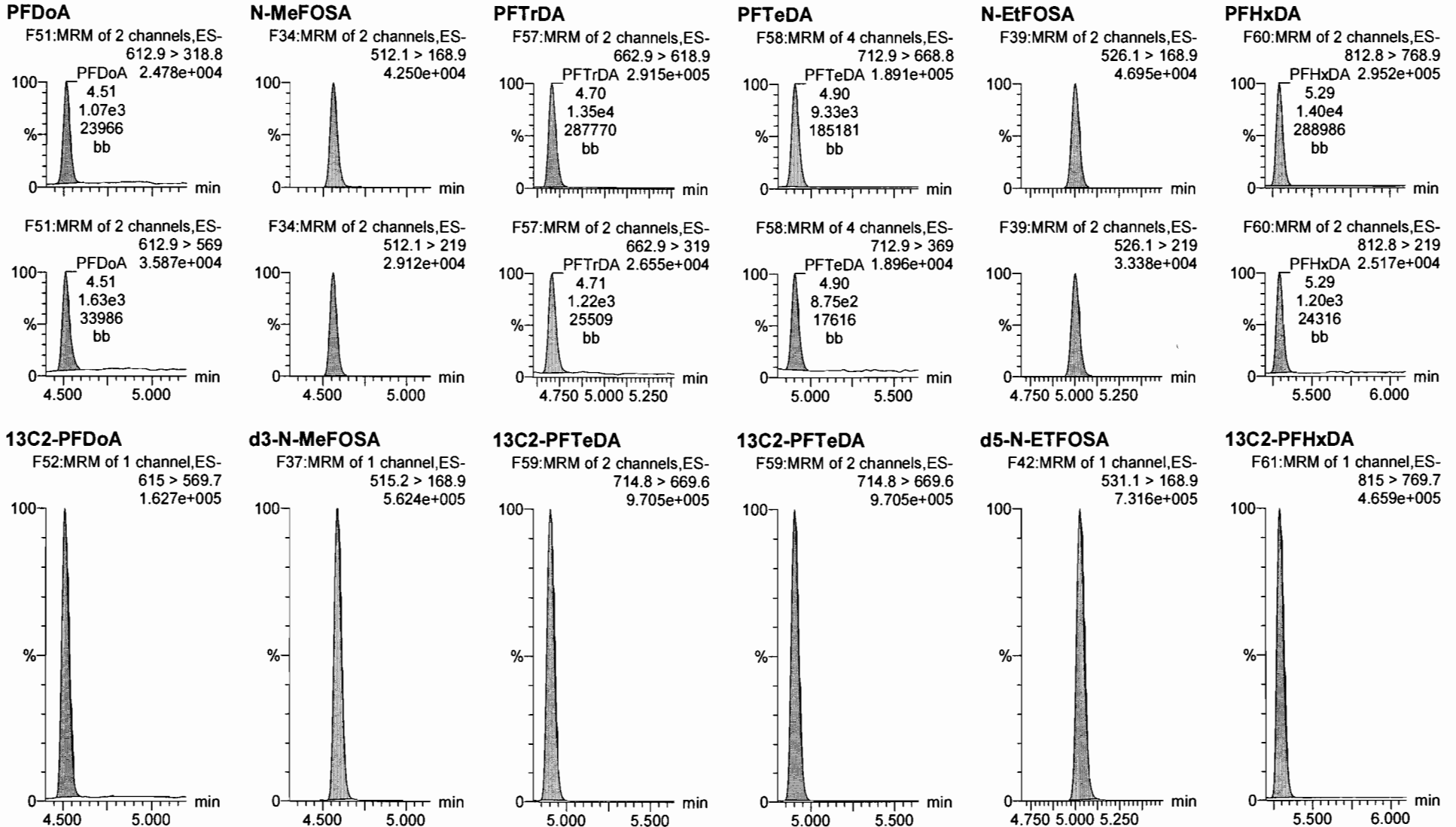


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_5, Date: 10-Aug-2017, Time: 21:05:02, ID: ST170810M2-4 PFC CS1 17H1016, Description: PFC CS1 17H1016



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

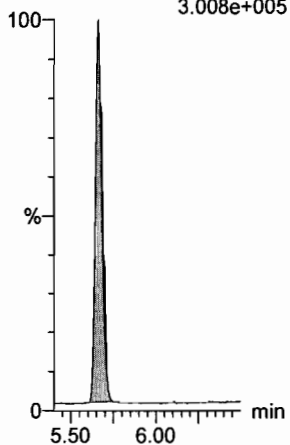
Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_5, Date: 10-Aug-2017, Time: 21:05:02, ID: ST170810M2-4 PFC CS1 17H1016, Description: PFC CS1 17H1016

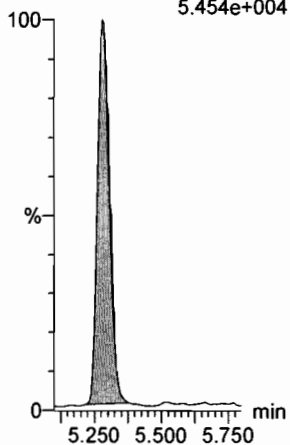
PFODA

F62:MRM of 4 channels,ES-
912.8 > 868.8
3.008e+005



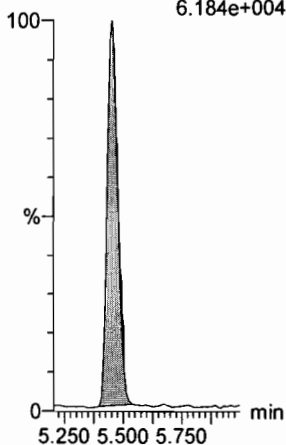
N-MeFOSE

F53:MRM of 1 channel,ES-
616.1 > 58.9
5.454e+004



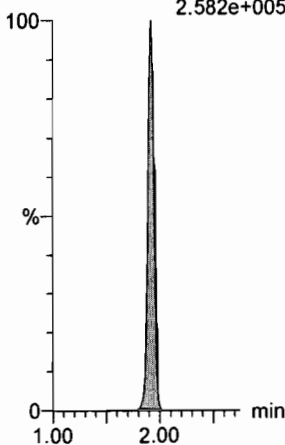
N-EtFOSE

F55:MRM of 1 channel,ES-
630.1 > 58.9
6.184e+004



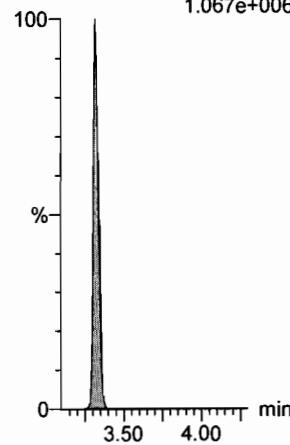
13C4-PFBA

F3:MRM of 1 channel,ES-
217 > 171.8
2.582e+005



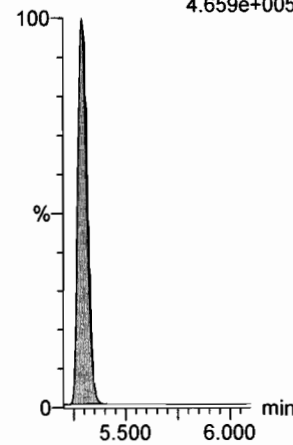
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
1.067e+006



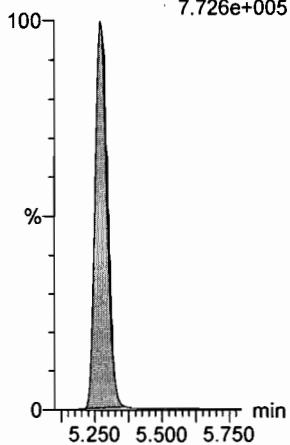
13C2-PFHxDA

F61:MRM of 1 channel,ES-
815 > 769.7
4.659e+005



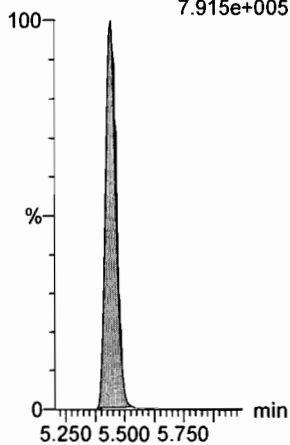
d7-N-MeFOSE

F54:MRM of 1 channel,ES-
623.1 > 58.9
7.726e+005



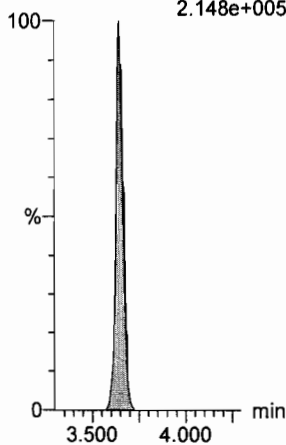
d9-N-EtFOSE

F56:MRM of 1 channel,ES-
639.2 > 58.8
7.915e+005



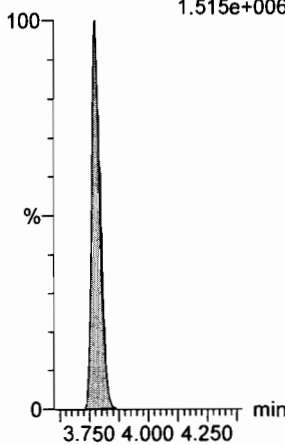
13C3-PFHxS

F17:MRM of 1 channel,ES-
401.9 > 79.9
2.148e+005



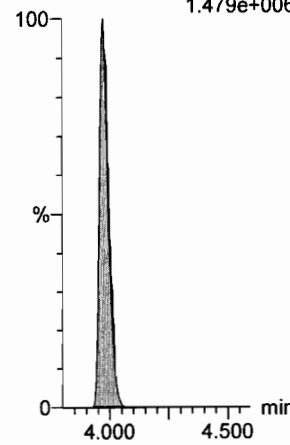
13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
1.515e+006



13C9-PFNA

F27:MRM of 1 channel,ES-
472.2 > 426.9
1.479e+006



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

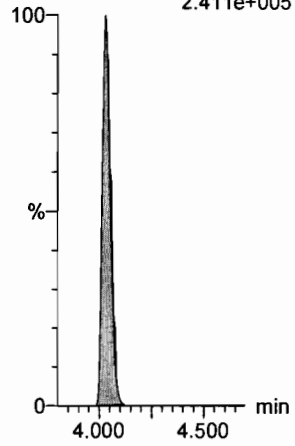
Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_5, Date: 10-Aug-2017, Time: 21:05:02, ID: ST170810M2-4 PFC CS1 17H1016, Description: PFC CS1 17H1016

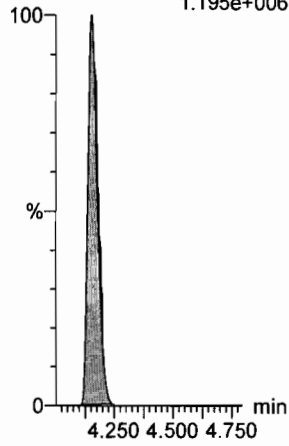
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.411e+005



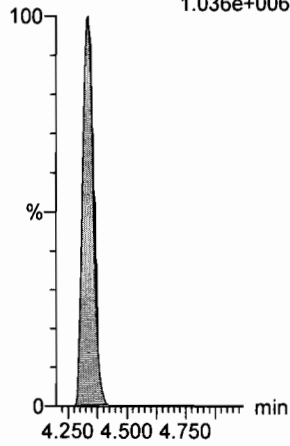
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.195e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.036e+006



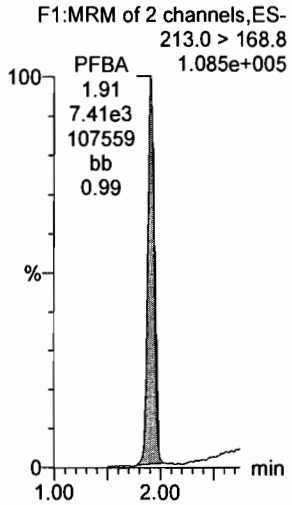
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Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

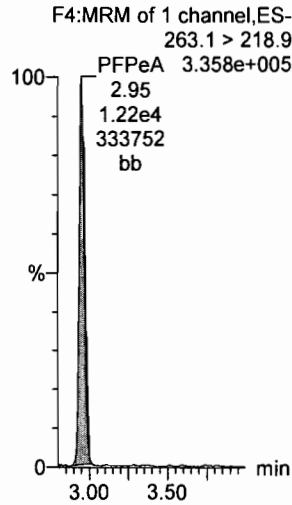
Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_6, Date: 10-Aug-2017, Time: 21:15:44, ID: ST170810M2-5 PFC CS2 17H1017, Description: PFC CS2 17H1017

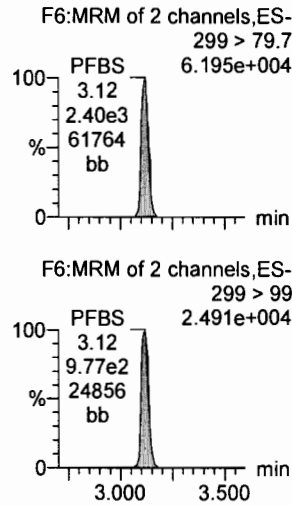
PFBA



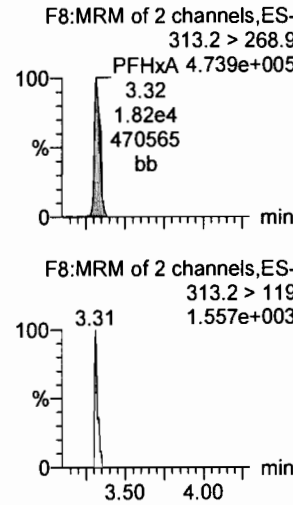
PFPeA



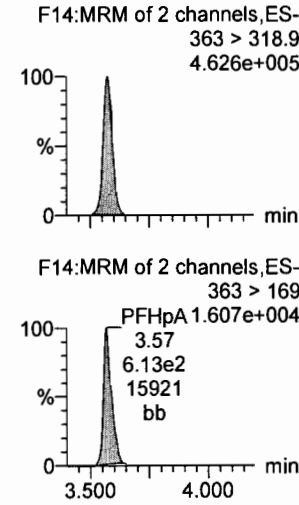
PFBS



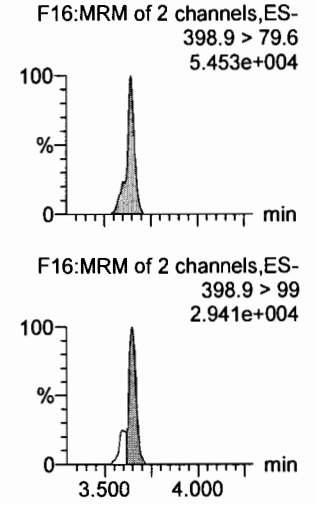
PFHxA



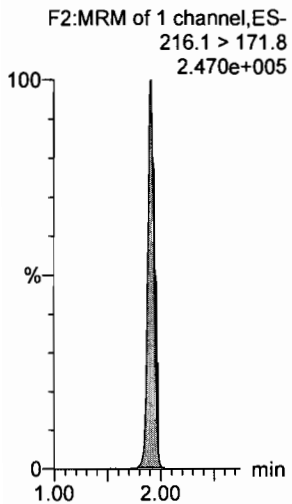
PFHpA



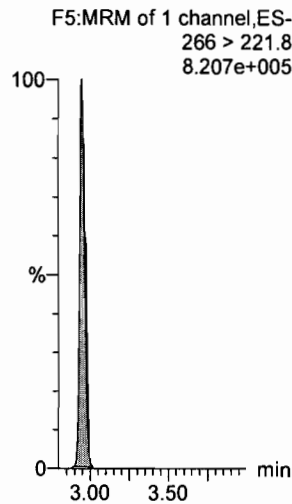
PFHxS



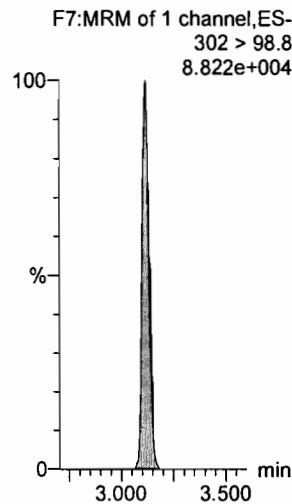
13C3-PFBA



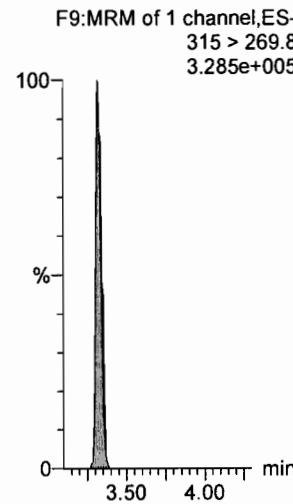
13C3-PFPeA



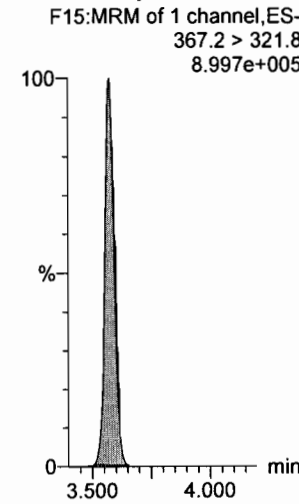
13C3-PFBS



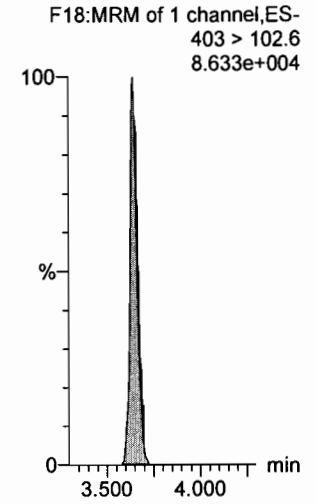
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

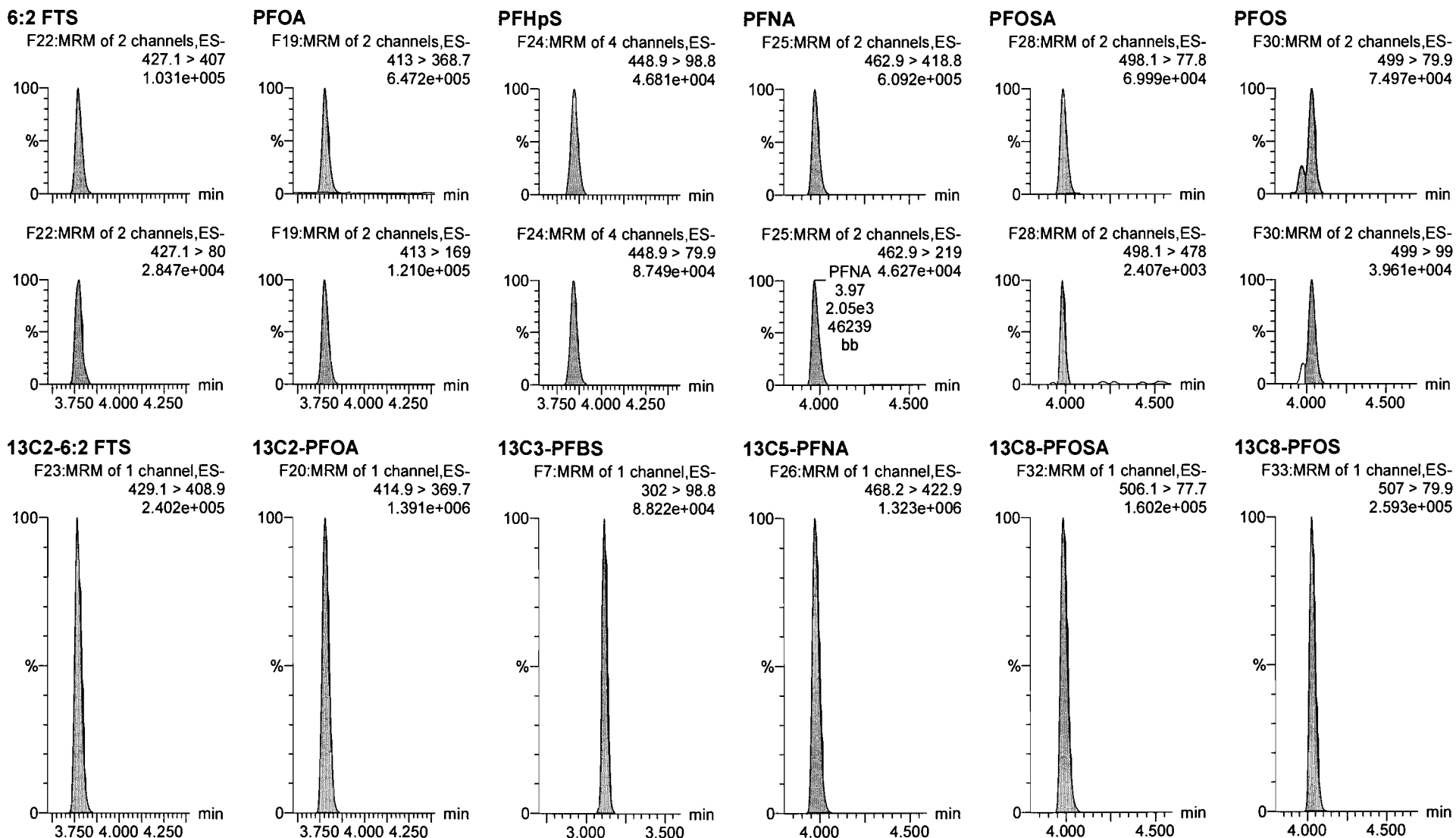


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

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Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_6, Date: 10-Aug-2017, Time: 21:15:44, ID: ST170810M2-5 PFC CS2 17H1017, Description: PFC CS2 17H1017



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

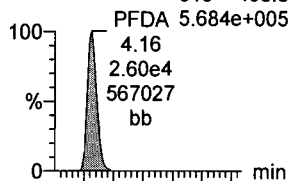
Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

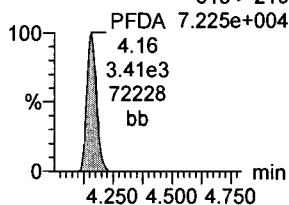
Name: 170810M2_6, Date: 10-Aug-2017, Time: 21:15:44, ID: ST170810M2-5 PFC CS2 17H1017, Description: PFC CS2 17H1017

PFDA

F35:MRM of 2 channels,ES-513 > 468.8

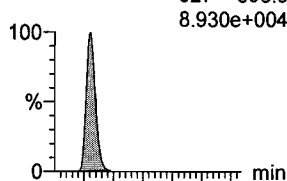


F35:MRM of 2 channels,ES-513 > 219

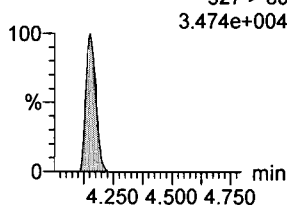


8:2 FTS

F40:MRM of 2 channels,ES-527 > 506.9

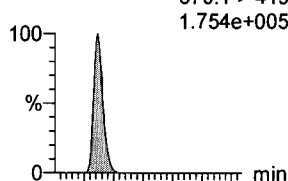


F40:MRM of 2 channels,ES-527 > 80

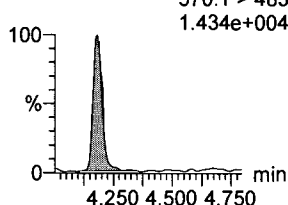


N-MeFOSAA

F45:MRM of 2 channels,ES-570.1 > 419

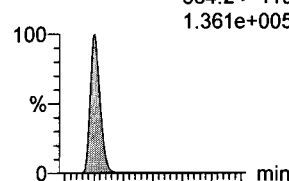


F45:MRM of 2 channels,ES-570.1 > 483

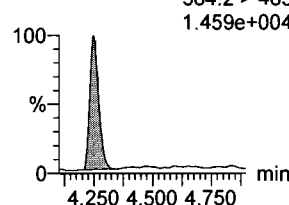


N-EtFOSAA

F48:MRM of 2 channels,ES-584.2 > 419

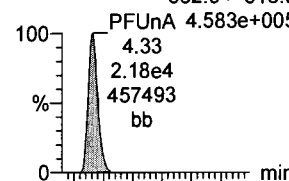


F48:MRM of 2 channels,ES-584.2 > 483

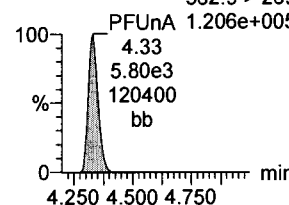


PFUnA

F43:MRM of 2 channels,ES-562.9 > 518.9

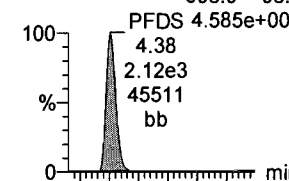


F43:MRM of 2 channels,ES-562.9 > 269

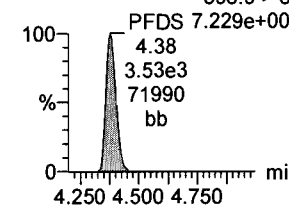


PFDS

F50:MRM of 2 channels,ES-598.9 > 98.7

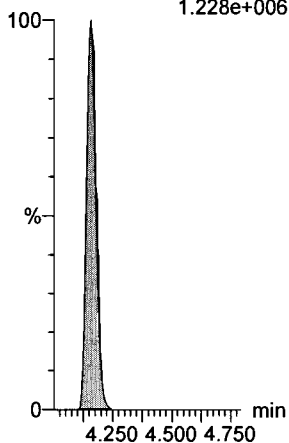


F50:MRM of 2 channels,ES-598.9 > 80



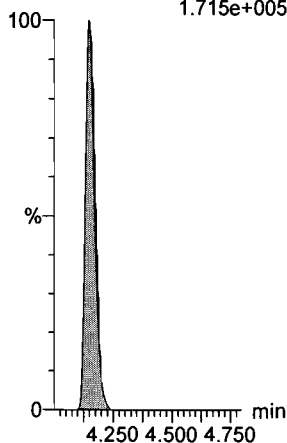
13C2-PFDA

F36:MRM of 1 channel,ES-515.1 > 469.9



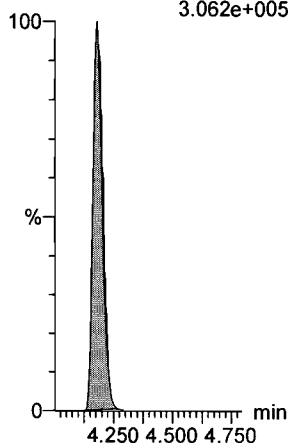
13C2-8:2 FTS

F41:MRM of 1 channel,ES-529.1 > 508.7



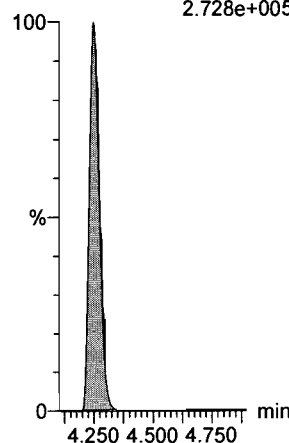
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-573.3 > 419



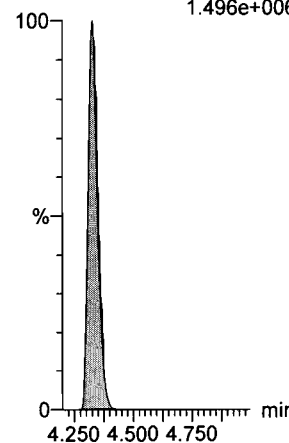
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-589.3 > 419



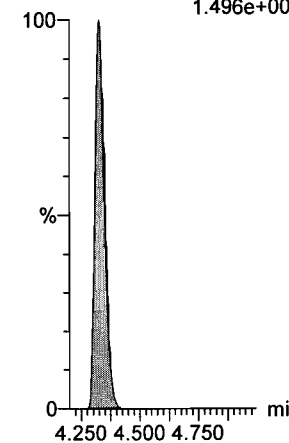
13C2-PFUnA

F44:MRM of 1 channel,ES-565 > 519.8



13C2-PFUnA

F44:MRM of 1 channel,ES-565 > 519.8

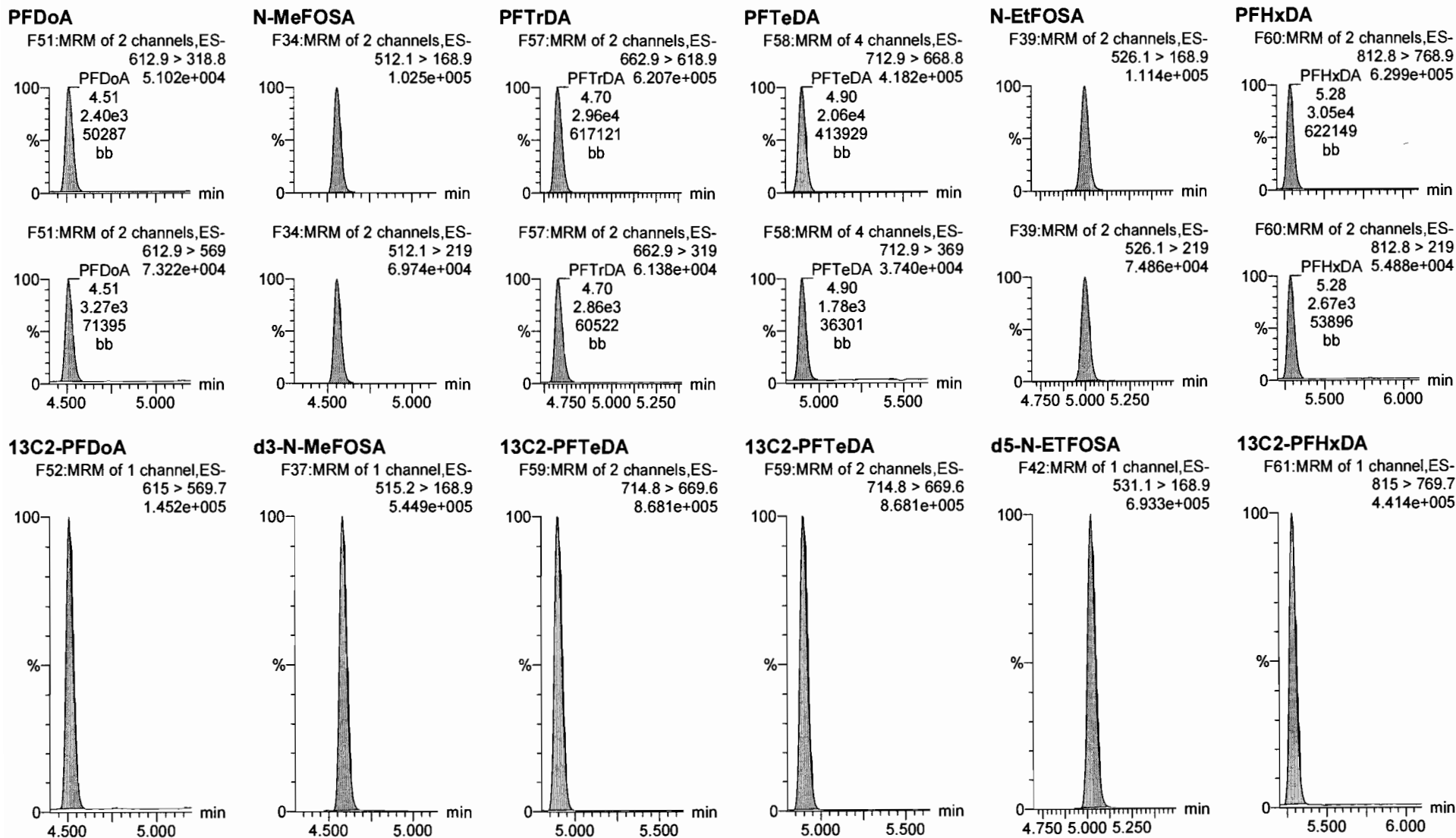


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

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Name: 170810M2_6, Date: 10-Aug-2017, Time: 21:15:44, ID: ST170810M2-5 PFC CS2 17H1017, Description: PFC CS2 17H1017

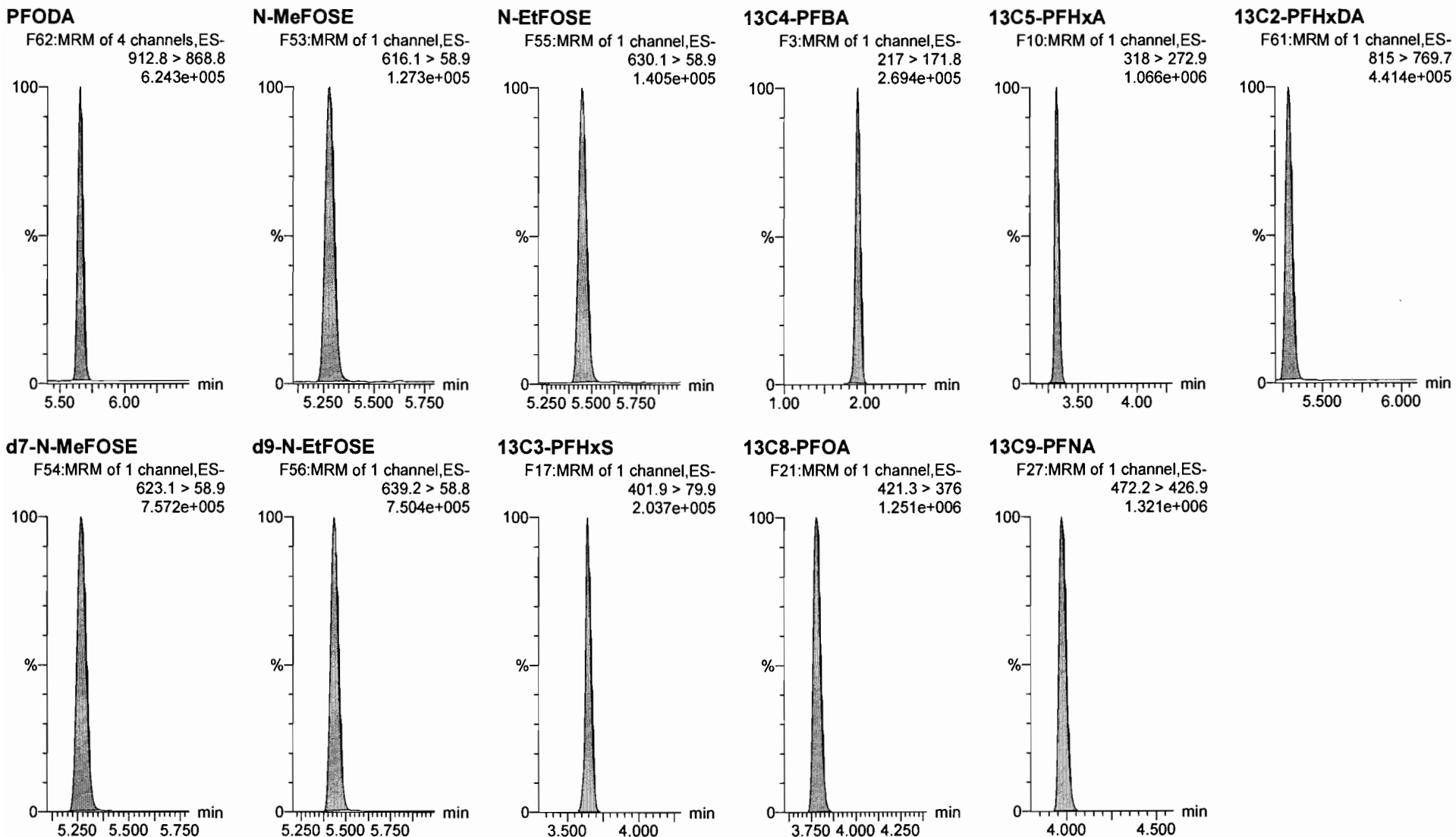


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Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

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Name: 170810M2_6, Date: 10-Aug-2017, Time: 21:15:44, ID: ST170810M2-5 PFC CS2 17H1017, Description: PFC CS2 17H1017



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

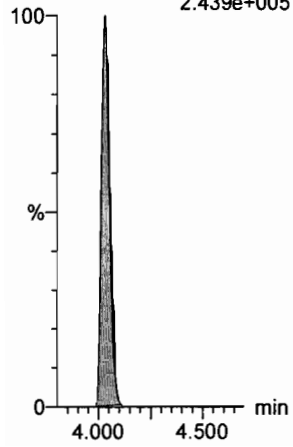
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Name: 170810M2_6, Date: 10-Aug-2017, Time: 21:15:44, ID: ST170810M2-5 PFC CS2 17H1017, Description: PFC CS2 17H1017

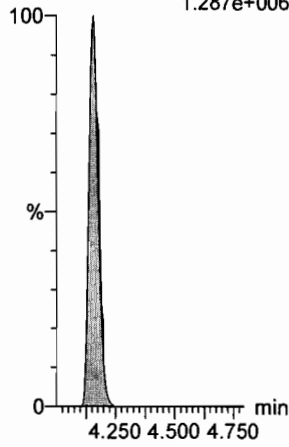
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.439e+005



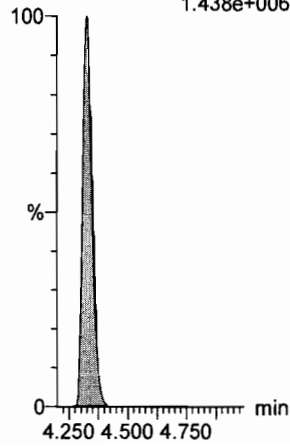
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.287e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.438e+006



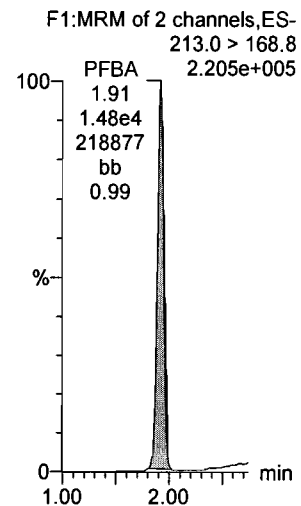
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Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

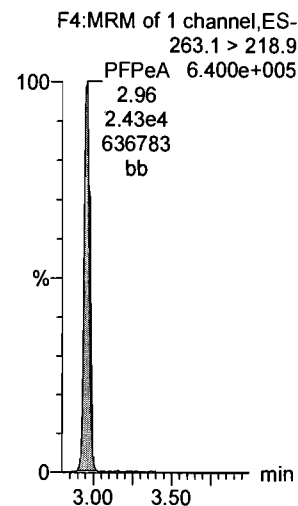
Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_7, Date: 10-Aug-2017, Time: 21:26:22, ID: ST170810M2-6 PFC CS3 17H1005, Description: PFC CS3 17H1005

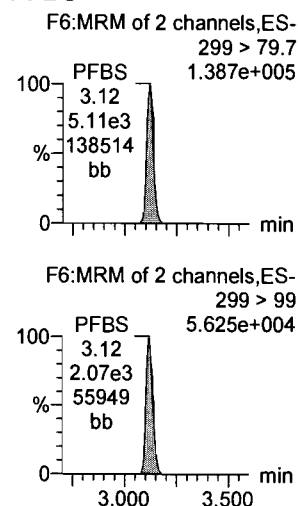
PFBA



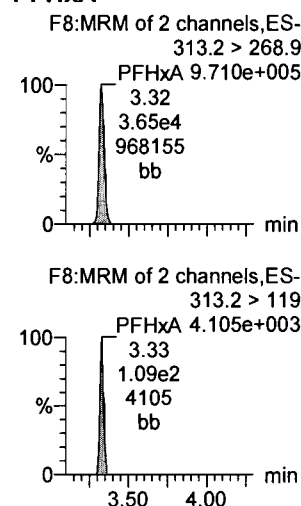
PFPeA



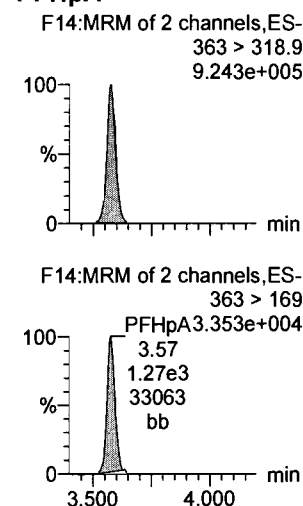
PFBS



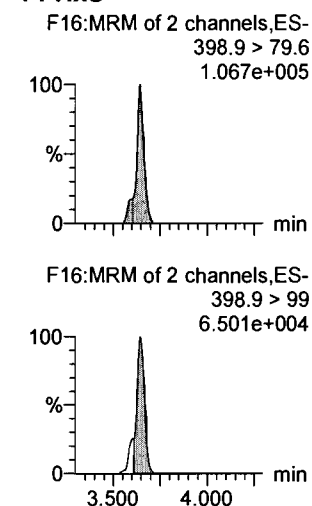
PFHxA



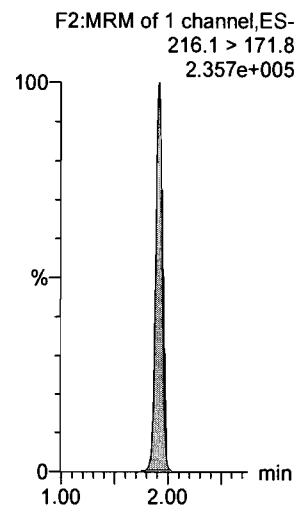
PFHpA



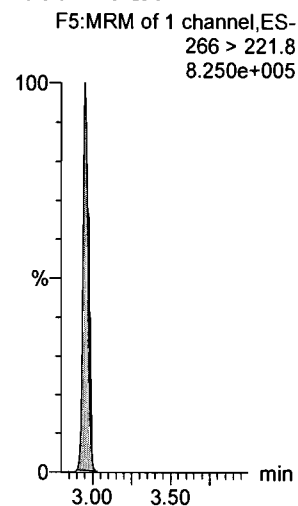
PFHxS



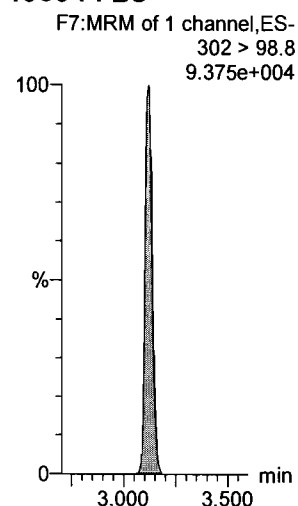
13C3-PFBA



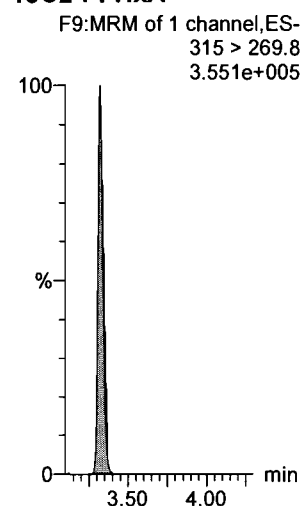
13C3-PFPeA



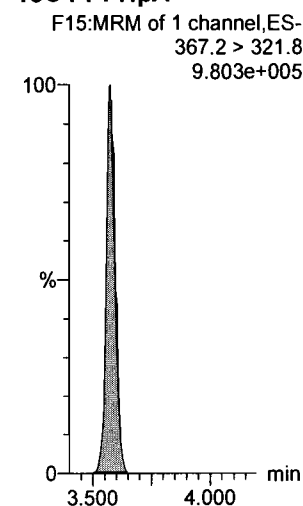
13C3-PFBS



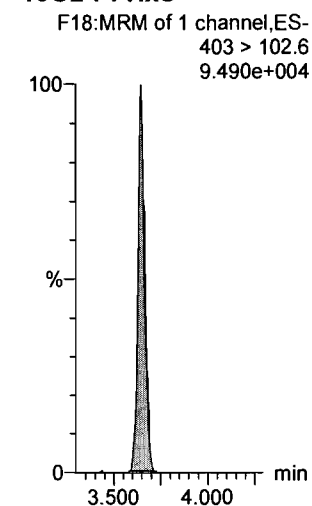
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

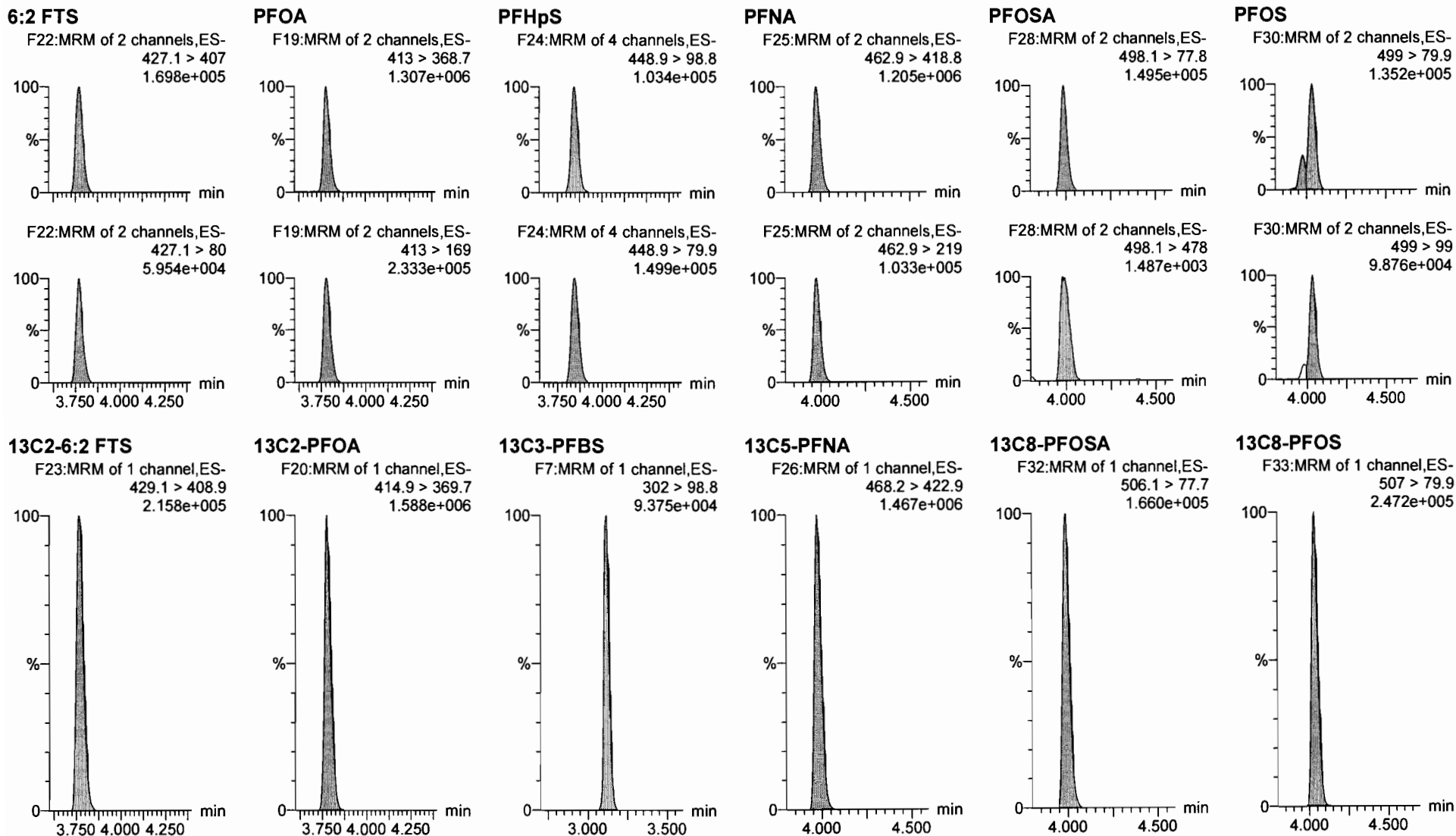


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

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Name: 170810M2_7, Date: 10-Aug-2017, Time: 21:26:22, ID: ST170810M2-6 PFC CS3 17H1005, Description: PFC CS3 17H1005



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

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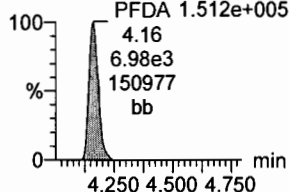
Name: 170810M2_7, Date: 10-Aug-2017, Time: 21:26:22, ID: ST170810M2-6 PFC CS3 17H1005, Description: PFC CS3 17H1005

PFDA

F35:MRM of 2 channels,ES-
513 > 468.8
1.138e+006

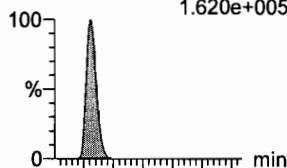


F35:MRM of 2 channels,ES-
513 > 219
1.512e+005

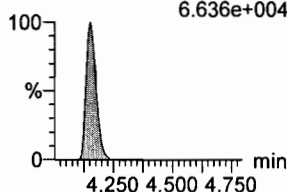


8:2 FTS

F40:MRM of 2 channels,ES-
527 > 506.9
1.620e+005



F40:MRM of 2 channels,ES-
527 > 80
6.636e+004

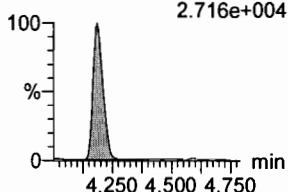


N-MeFOSAA

F45:MRM of 2 channels,ES-
570.1 > 419
3.347e+005

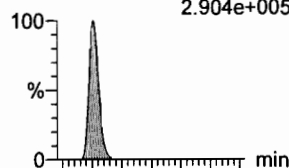


F45:MRM of 2 channels,ES-
570.1 > 483
2.716e+004

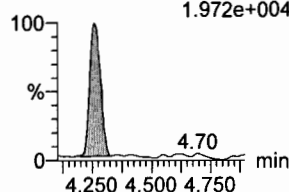


N-EtFOSAA

F48:MRM of 2 channels,ES-
584.2 > 419
2.904e+005

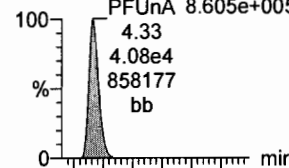


F48:MRM of 2 channels,ES-
584.2 > 483
1.972e+004

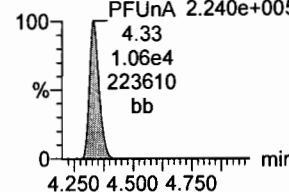


PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9
8.605e+005

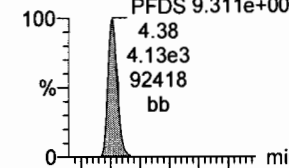


F43:MRM of 2 channels,ES-
562.9 > 269
2.240e+005

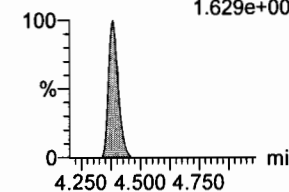


PFDS

F50:MRM of 2 channels,ES-
598.9 > 98.7
9.311e+004

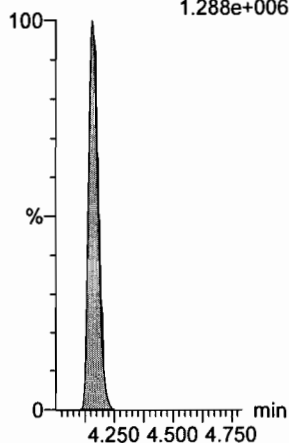


F50:MRM of 2 channels,ES-
598.9 > 80
1.629e+005



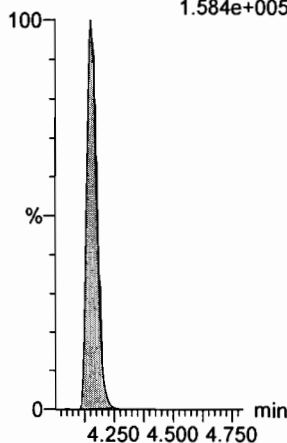
13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
1.288e+006



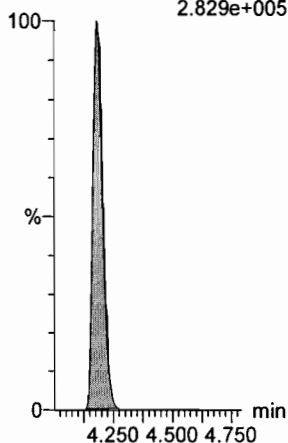
13C2-8:2 FTS

F41:MRM of 1 channel,ES-
529.1 > 508.7
1.584e+005



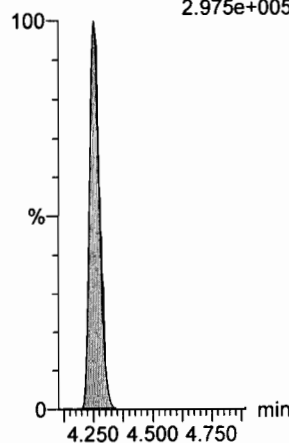
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419
2.829e+005



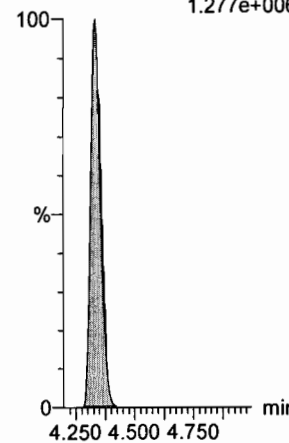
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419
2.975e+005



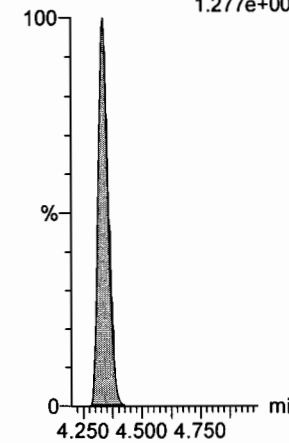
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
1.277e+006



13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
1.277e+006

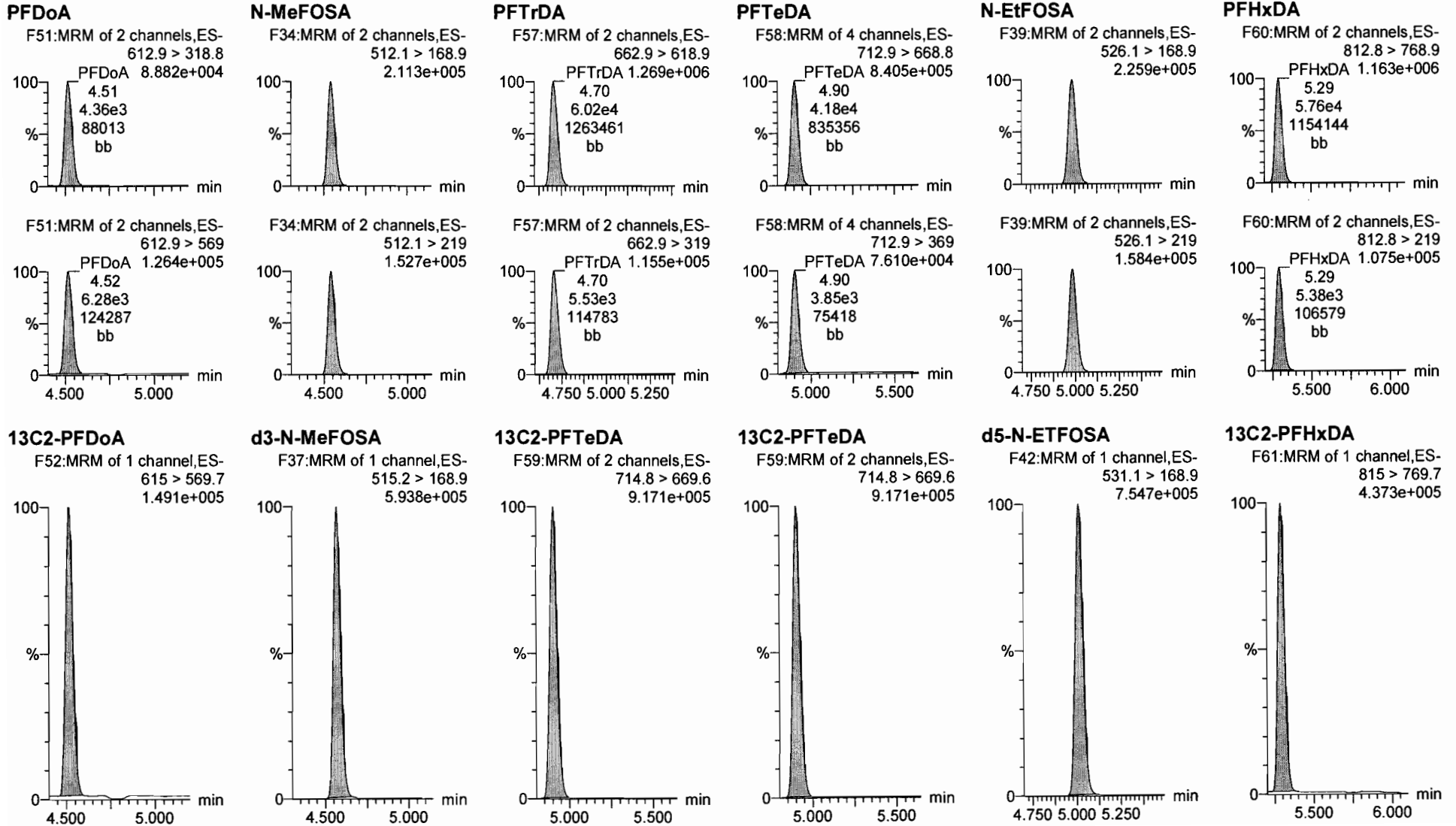


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Name: 170810M2_7, Date: 10-Aug-2017, Time: 21:26:22, ID: ST170810M2-6 PFC CS3 17H1005, Description: PFC CS3 17H1005

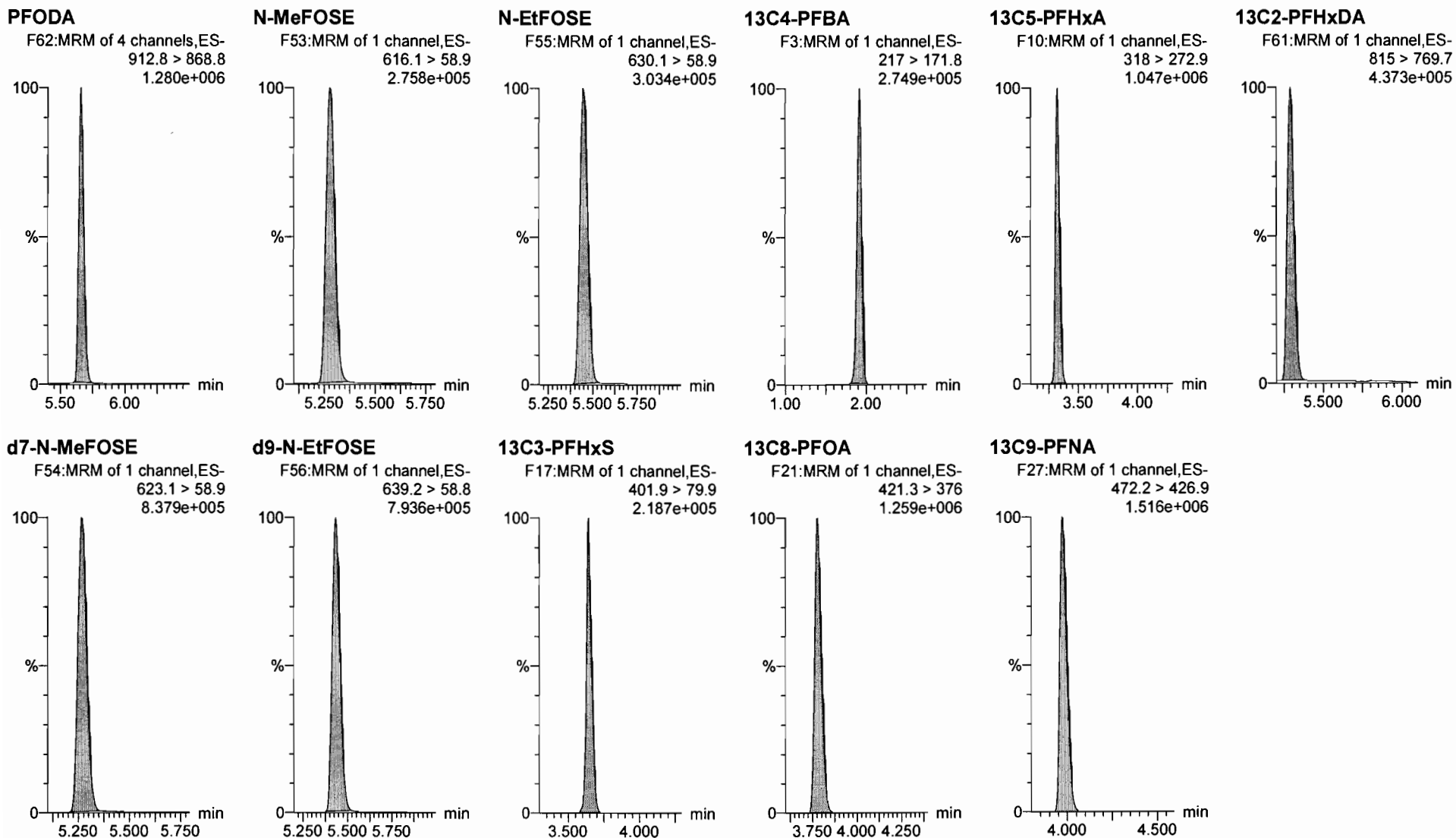


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Name: 170810M2_7, Date: 10-Aug-2017, Time: 21:26:22, ID: ST170810M2-6 PFC CS3 17H1005, Description: PFC CS3 17H1005



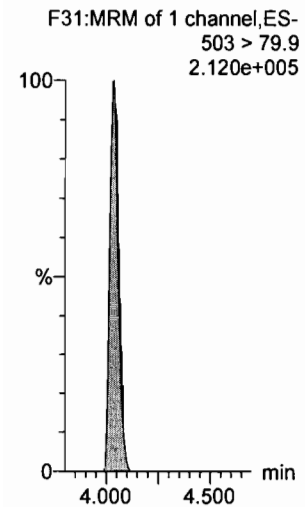
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Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

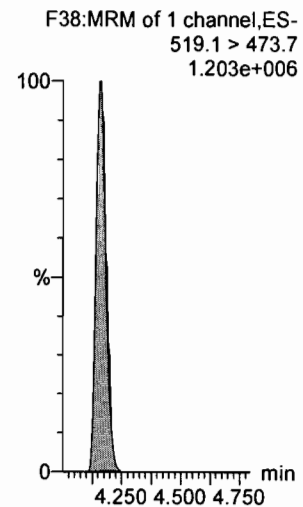
Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_7, Date: 10-Aug-2017, Time: 21:26:22, ID: ST170810M2-6 PFC CS3 17H1005, Description: PFC CS3 17H1005

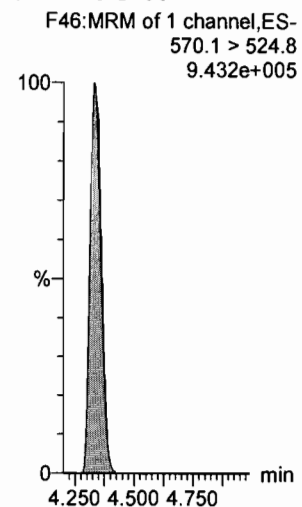
13C4-PFOS



13C6-PFDA



13C7-PFUnA

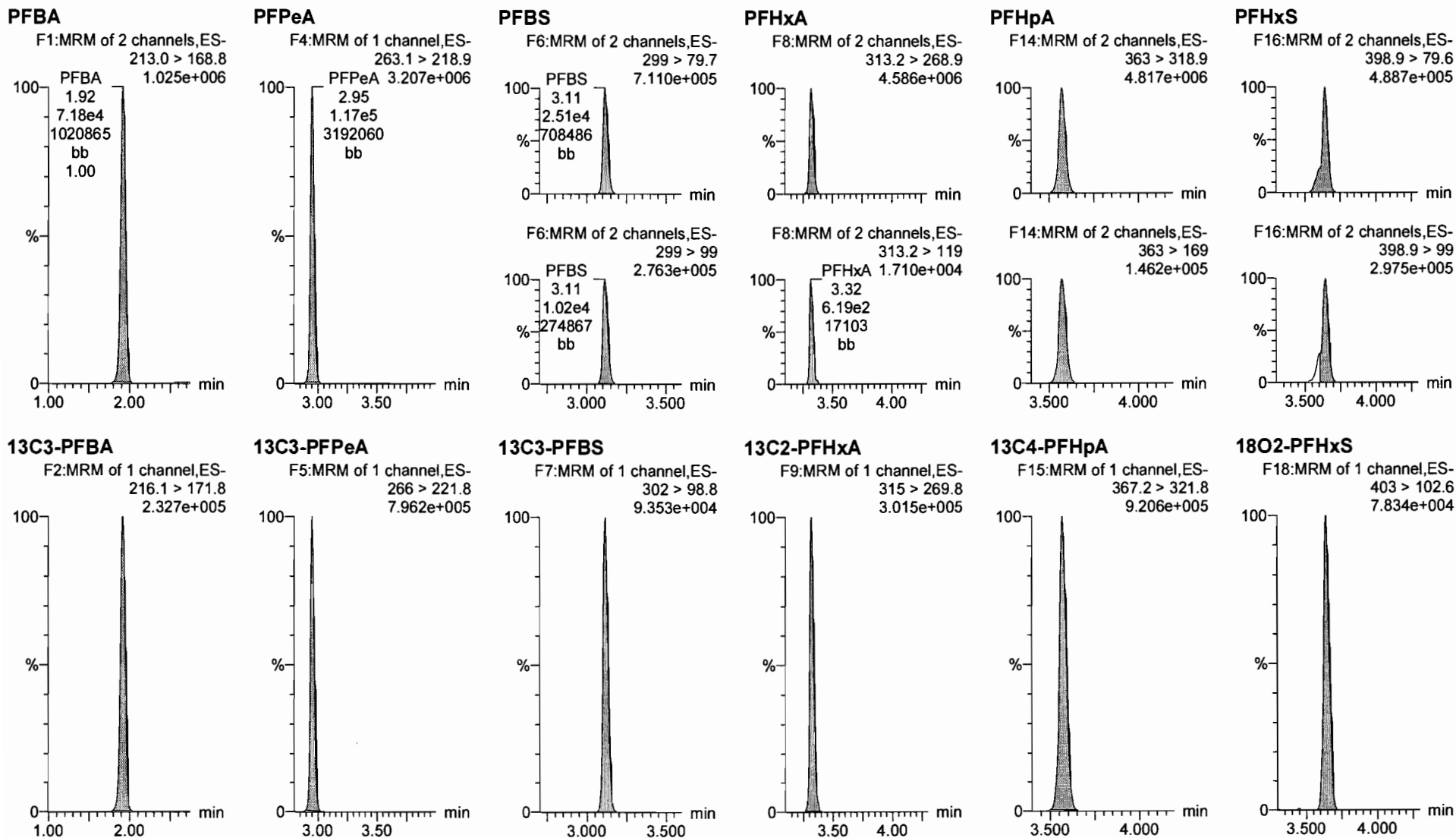


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_8, Date: 10-Aug-2017, Time: 21:37:09, ID: ST170810M2-7 PFC CS4 17H1018, Description: PFC CS4 17H1018



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

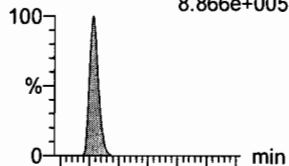
Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

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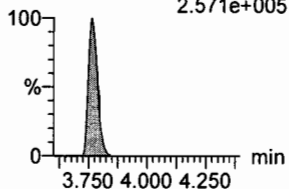
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6:2 FTS

F22:MRM of 2 channels,ES-
427.1 > 407
8.866e+005

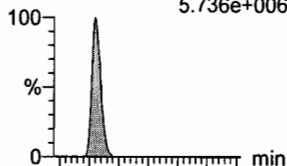


F22:MRM of 2 channels,ES-
427.1 > 80
2.571e+005

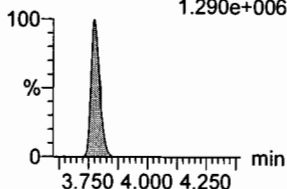


PFOA

F19:MRM of 2 channels,ES-
413 > 368.7
5.736e+006

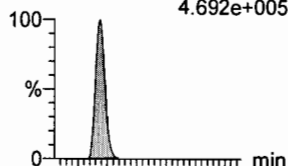


F19:MRM of 2 channels,ES-
413 > 169
1.290e+006

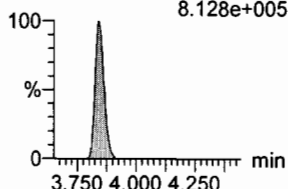


PFHpS

F24:MRM of 4 channels,ES-
448.9 > 98.8
4.692e+005

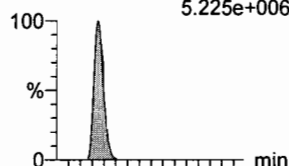


F24:MRM of 4 channels,ES-
448.9 > 79.9
8.128e+005

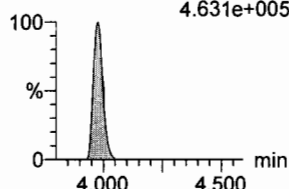


PFNA

F25:MRM of 2 channels,ES-
462.9 > 418.8
5.225e+006

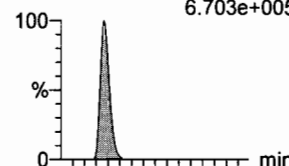


F25:MRM of 2 channels,ES-
462.9 > 219
4.631e+005

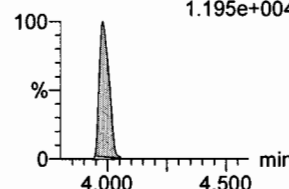


PFOSA

F28:MRM of 2 channels,ES-
498.1 > 77.8
6.703e+005

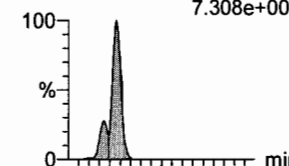


F28:MRM of 2 channels,ES-
498.1 > 478
1.195e+004

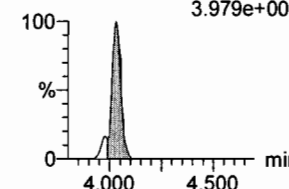


PFOS

F30:MRM of 2 channels,ES-
499 > 79.9
7.308e+005

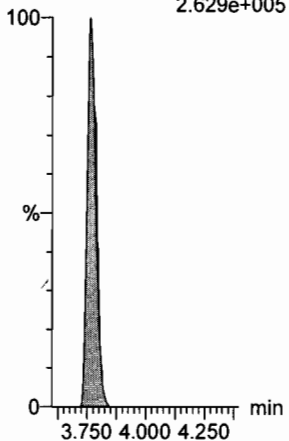


F30:MRM of 2 channels,ES-
499 > 99
3.979e+005



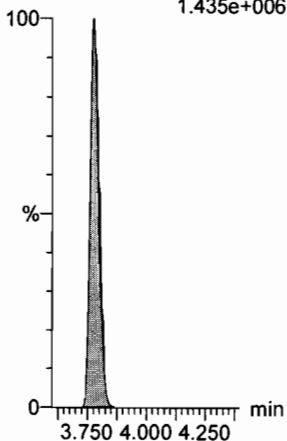
13C2-6:2 FTS

F23:MRM of 1 channel,ES-
429.1 > 408.9
2.629e+005



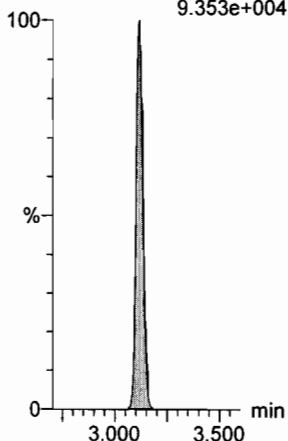
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7
1.435e+006



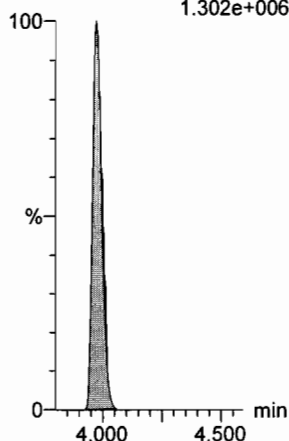
13C3-PFBS

F7:MRM of 1 channel,ES-
302 > 98.8
9.353e+004



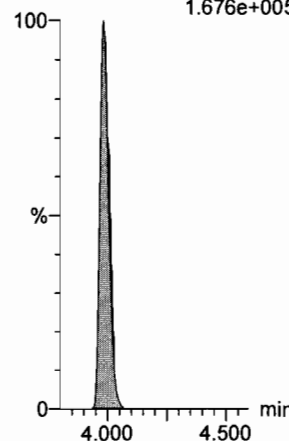
13C5-PFNA

F26:MRM of 1 channel,ES-
468.2 > 422.9
1.302e+006



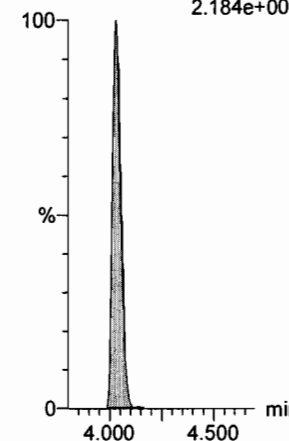
13C8-PFOA

F32:MRM of 1 channel,ES-
506.1 > 77.7
1.676e+005



13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9
2.184e+005



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

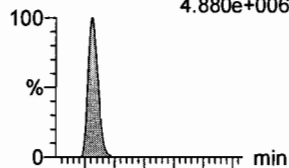
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Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_8, Date: 10-Aug-2017, Time: 21:37:09, ID: ST170810M2-7 PFC CS4 17H1018, Description: PFC CS4 17H1018

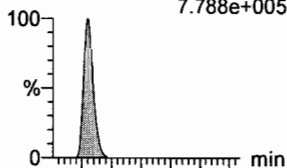
PFDA

F35:MRM of 2 channels,ES-
513 > 468.8
4.880e+006



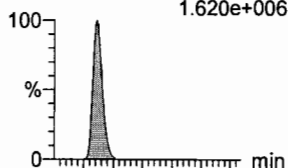
8:2 FTS

F40:MRM of 2 channels,ES-
527 > 506.9
7.788e+005



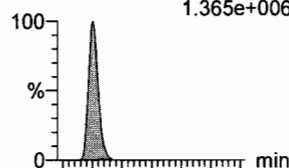
N-MeFOSAA

F45:MRM of 2 channels,ES-
570.1 > 419
1.620e+006



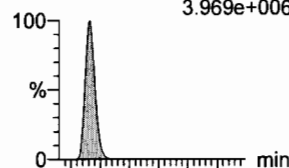
N-EtFOSAA

F48:MRM of 2 channels,ES-
584.2 > 419
1.365e+006



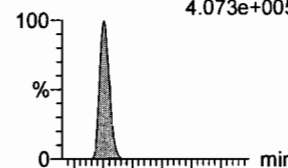
PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9
3.969e+006

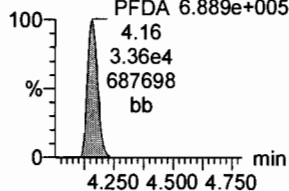


PFDS

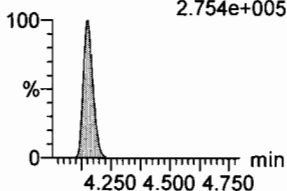
F50:MRM of 2 channels,ES-
598.9 > 98.7
4.073e+005



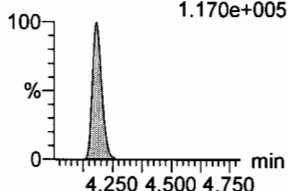
F35:MRM of 2 channels,ES-
513 > 219
6.889e+005



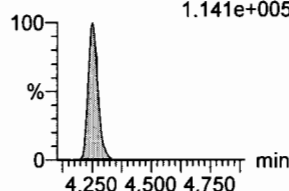
F40:MRM of 2 channels,ES-
527 > 80
2.754e+005



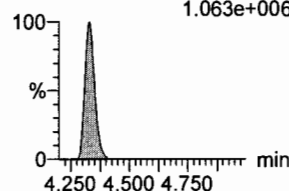
F45:MRM of 2 channels,ES-
570.1 > 483
1.170e+005



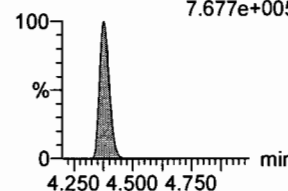
F48:MRM of 2 channels,ES-
584.2 > 483
1.141e+005



F43:MRM of 2 channels,ES-
562.9 > 269
1.063e+006

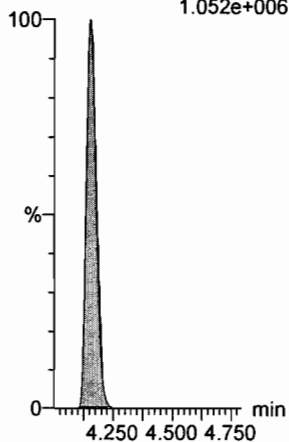


F50:MRM of 2 channels,ES-
598.9 > 80
7.677e+005



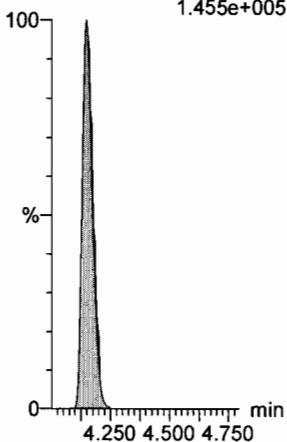
13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
1.052e+006



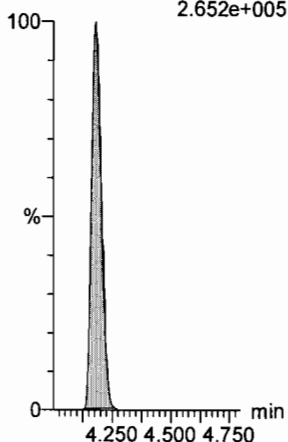
13C2-8:2 FTS

F41:MRM of 1 channel,ES-
529.1 > 508.7
1.455e+005



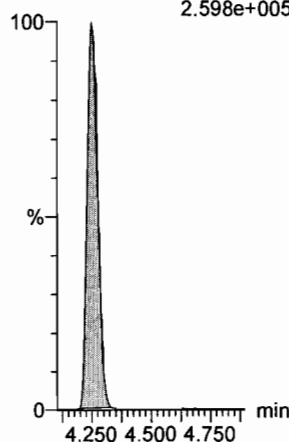
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419
2.652e+005



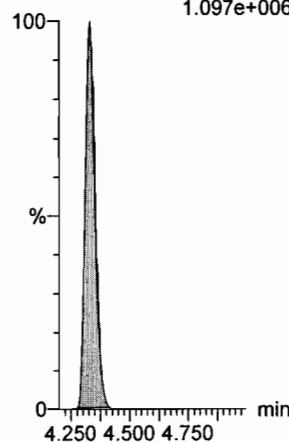
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419
2.598e+005



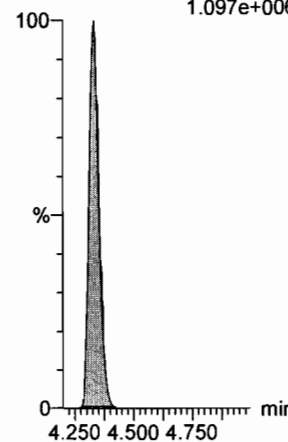
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
1.097e+006



13C2-PFUnA

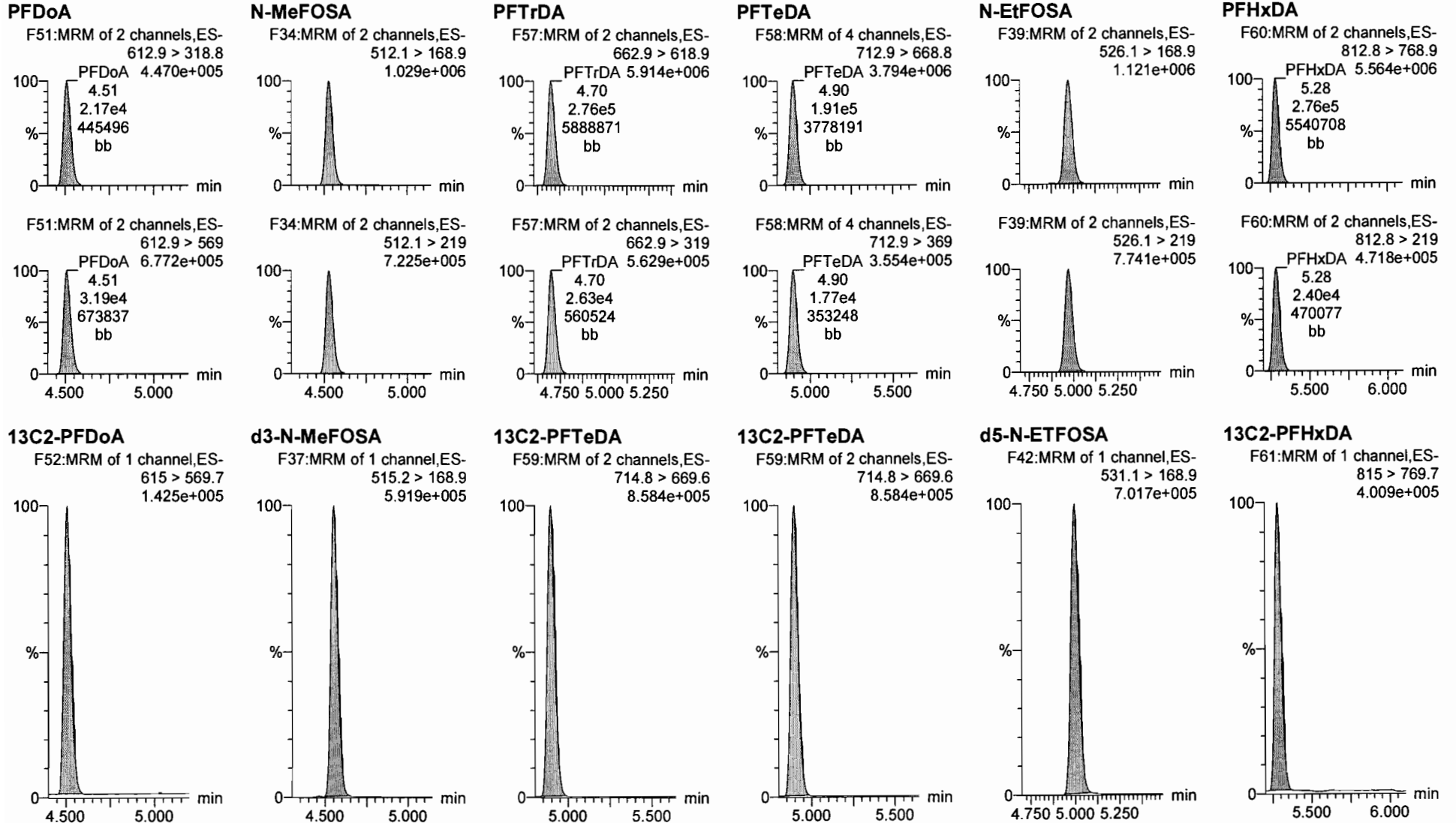
F44:MRM of 1 channel,ES-
565 > 519.8
1.097e+006



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Name: 170810M2_8, Date: 10-Aug-2017, Time: 21:37:09, ID: ST170810M2-7 PFC CS4 17H1018, Description: PFC CS4 17H1018



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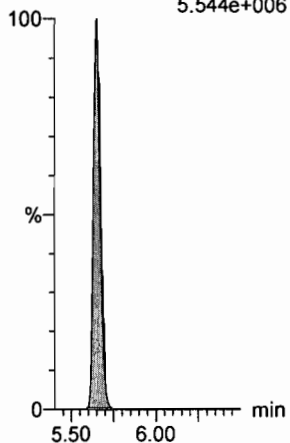
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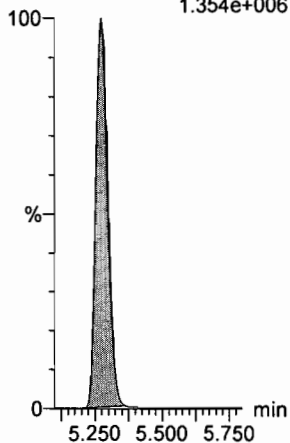
PFODA

F62:MRM of 4 channels,ES-
912.8 > 868.8
5.544e+006



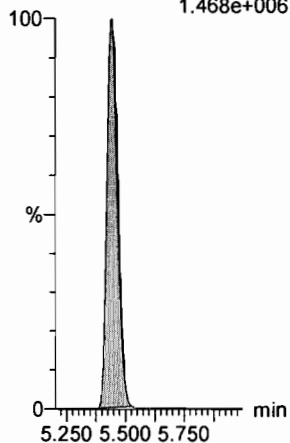
N-MeFOSE

F53:MRM of 1 channel,ES-
616.1 > 58.9
1.354e+006



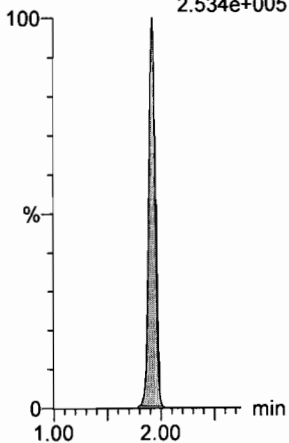
N-EtFOSE

F55:MRM of 1 channel,ES-
630.1 > 58.9
1.468e+006



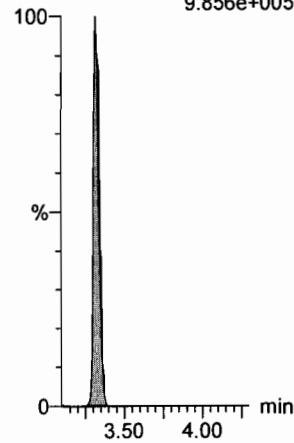
13C4-PFBA

F3:MRM of 1 channel,ES-
217 > 171.8
2.534e+005



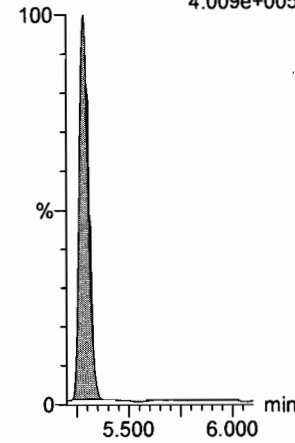
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
9.856e+005



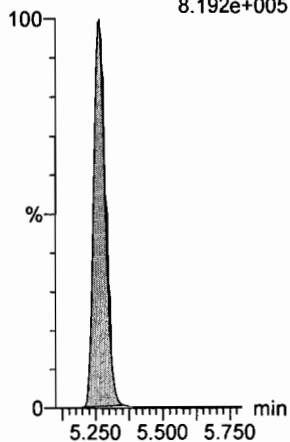
13C2-PFHxDA

F61:MRM of 1 channel,ES-
815 > 769.7
4.009e+005



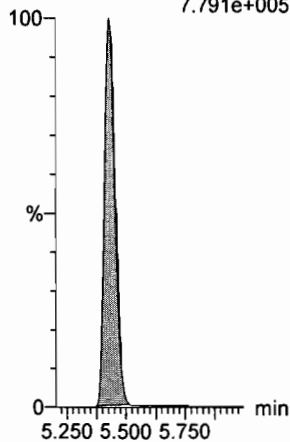
d7-N-MeFOSE

F54:MRM of 1 channel,ES-
623.1 > 58.9
8.192e+005



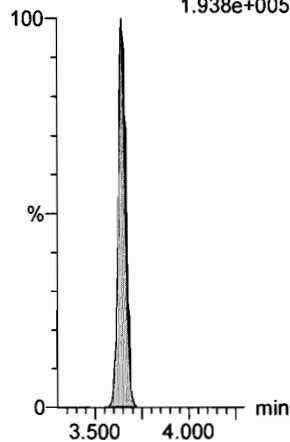
d9-N-EtFOSE

F56:MRM of 1 channel,ES-
639.2 > 58.8
7.791e+005



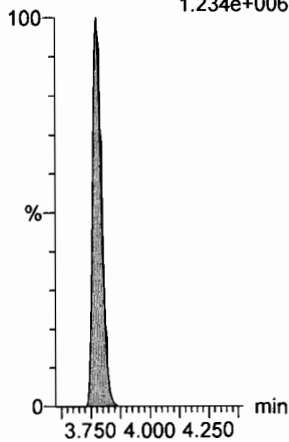
13C3-PFHxA

F17:MRM of 1 channel,ES-
401.9 > 79.9
1.938e+005



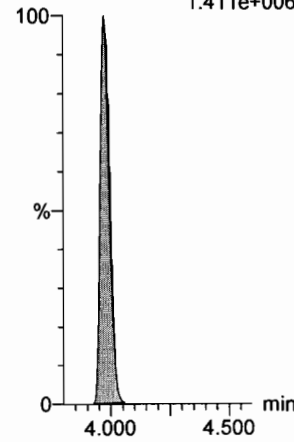
13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
1.234e+006



13C9-PFNA

F27:MRM of 1 channel,ES-
472.2 > 426.9
1.411e+006



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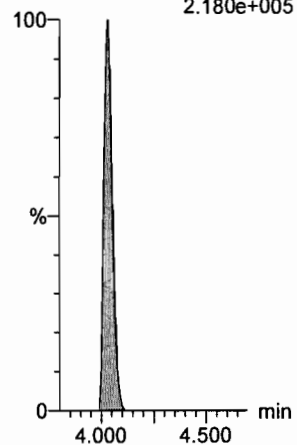
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Name: 170810M2_8, Date: 10-Aug-2017, Time: 21:37:09, ID: ST170810M2-7 PFC CS4 17H1018, Description: PFC CS4 17H1018

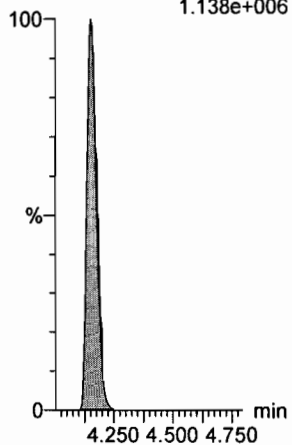
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.180e+005



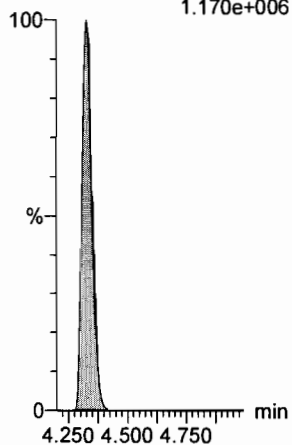
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.138e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.170e+006



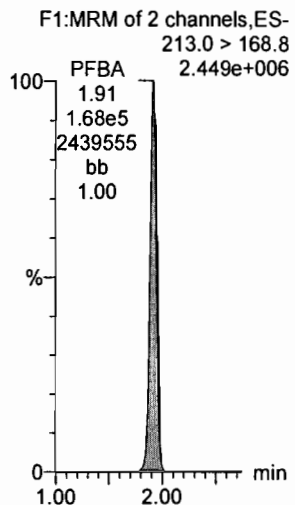
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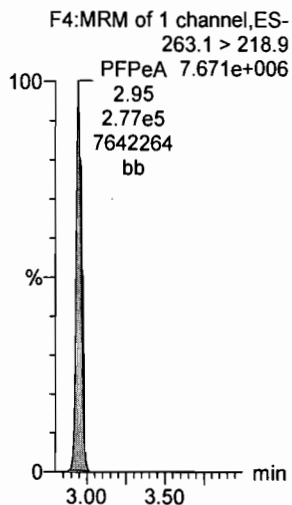
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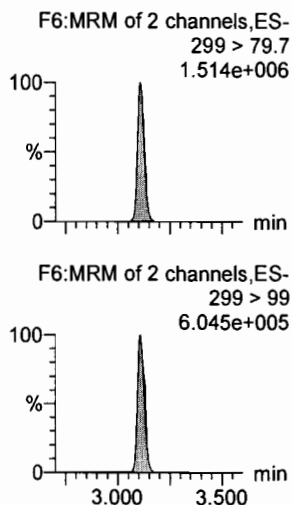
PFBA



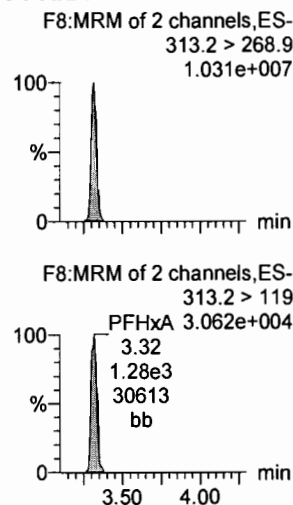
PFPeA



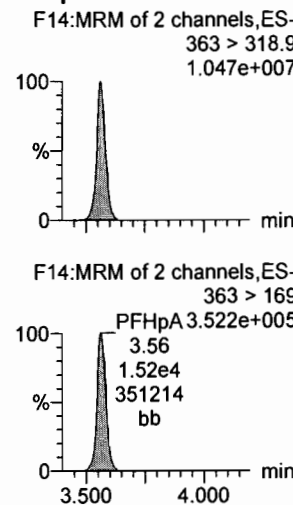
PFBS



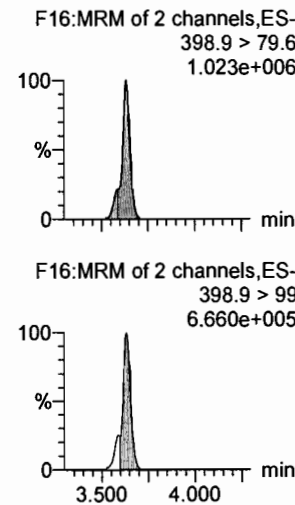
PFHxA



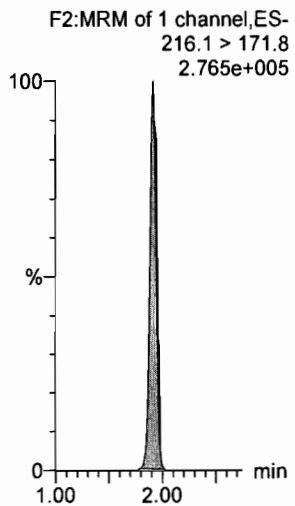
PFHpA



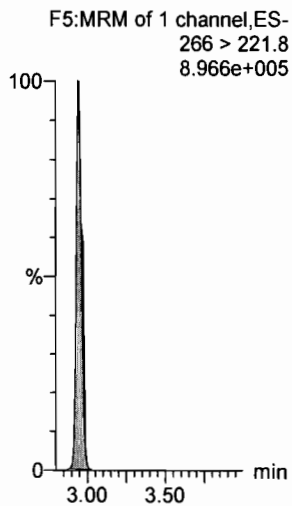
PFHxS



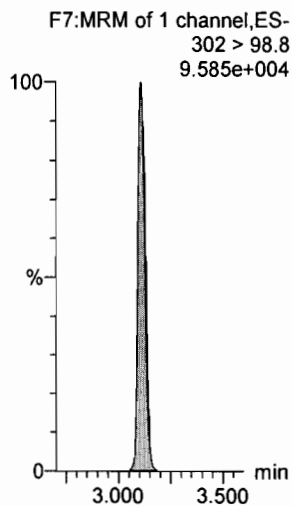
13C3-PFBA



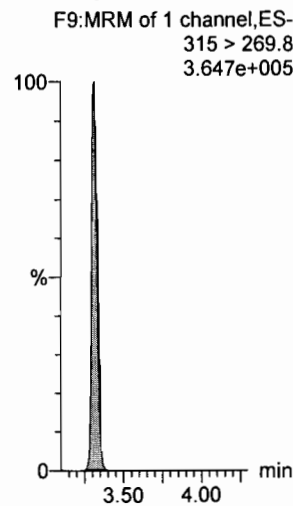
13C3-PFPeA



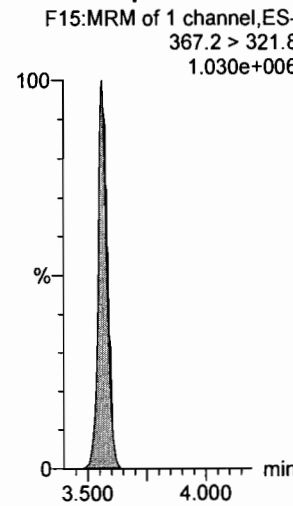
13C3-PFBS



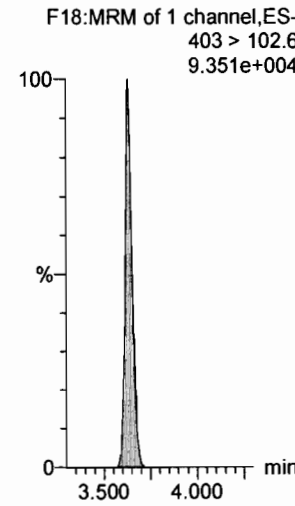
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

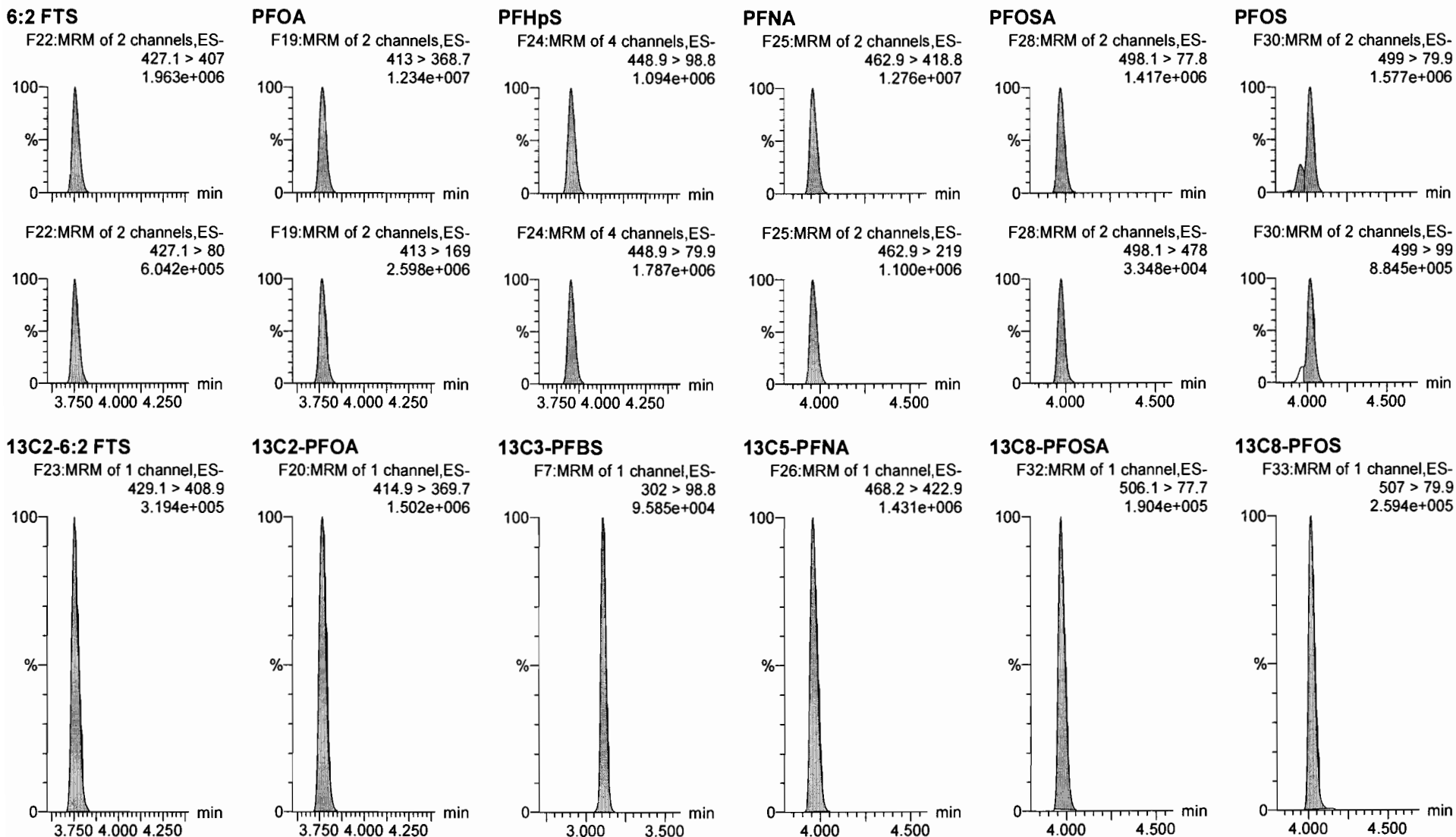


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Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_9, Date: 10-Aug-2017, Time: 21:47:47, ID: ST170810M2-8 PFC CS5 17H1019, Description: PFC CS5 17H1019



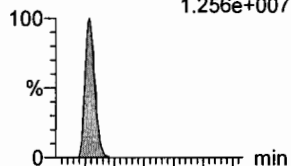
Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time
Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_9, Date: 10-Aug-2017, Time: 21:47:47, ID: ST170810M2-8 PFC CS5 17H1019, Description: PFC CS5 17H1019

PFDA

F35:MRM of 2 channels,ES-
513 > 468.8
1.256e+007



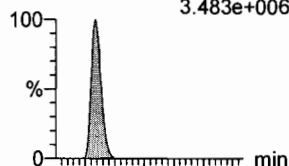
8:2 FTS

F40:MRM of 2 channels,ES-
527 > 506.9
1.529e+006



N-MeFOSAA

F45:MRM of 2 channels,ES-
570.1 > 419
3.483e+006



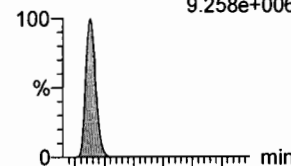
N-EtFOSAA

F48:MRM of 2 channels,ES-
584.2 > 419
3.086e+006



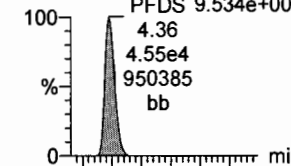
PFUnA

F43:MRM of 2 channels,ES-
562.9 > 518.9
9.258e+006

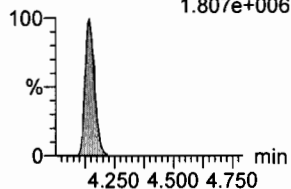


PFDS

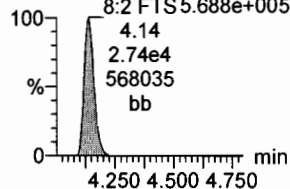
F50:MRM of 2 channels,ES-
598.9 > 98.7
9.534e+005



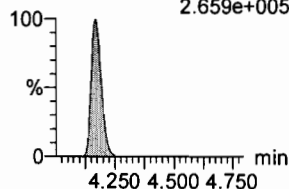
F35:MRM of 2 channels,ES-
513 > 219
1.807e+006



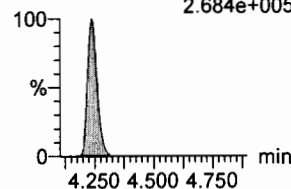
F40:MRM of 2 channels,ES-
527 > 80
5.688e+005



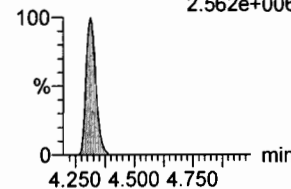
F45:MRM of 2 channels,ES-
570.1 > 483
2.659e+005



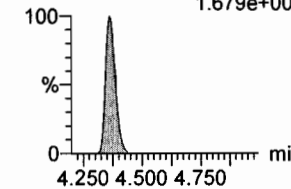
F48:MRM of 2 channels,ES-
584.2 > 483
2.684e+005



F43:MRM of 2 channels,ES-
562.9 > 269
2.562e+006

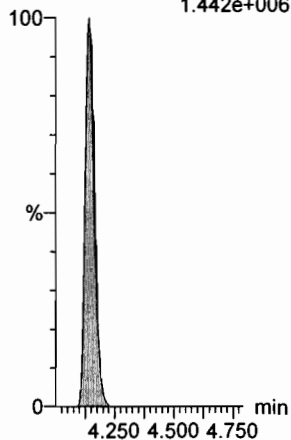


F50:MRM of 2 channels,ES-
598.9 > 80
1.679e+006



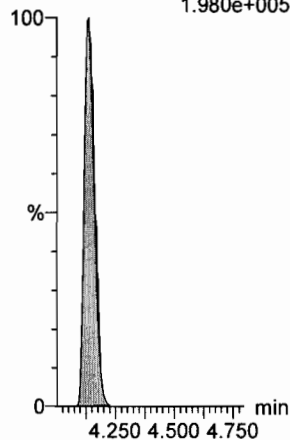
13C2-PFDA

F36:MRM of 1 channel,ES-
515.1 > 469.9
1.442e+006



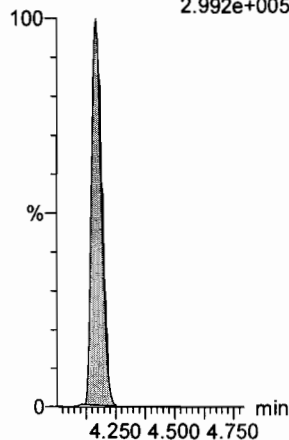
13C2-8:2 FTS

F41:MRM of 1 channel,ES-
529.1 > 508.7
1.980e+005



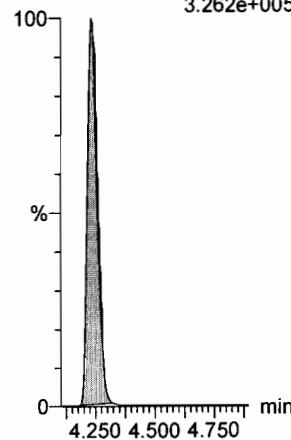
d3-N-MeFOSAA

F47:MRM of 1 channel,ES-
573.3 > 419
2.992e+005



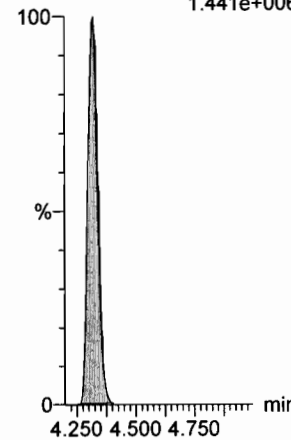
d5-N-EtFOSAA

F49:MRM of 1 channel,ES-
589.3 > 419
3.262e+005



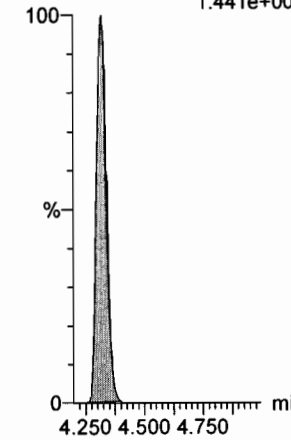
13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
1.441e+006



13C2-PFUnA

F44:MRM of 1 channel,ES-
565 > 519.8
1.441e+006



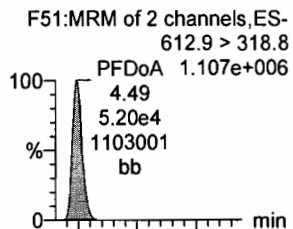
Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

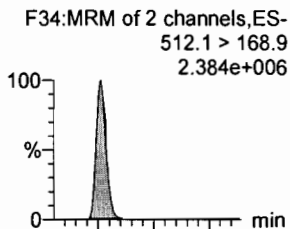
Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_9, Date: 10-Aug-2017, Time: 21:47:47, ID: ST170810M2-8 PFC CS5 17H1019, Description: PFC CS5 17H1019

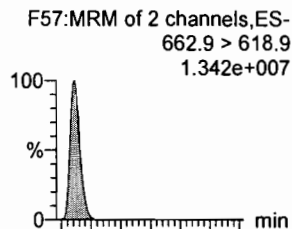
PFDoA



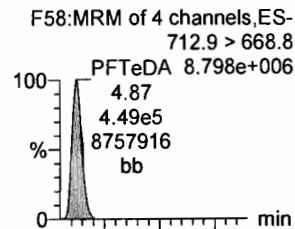
N-MeFOSA



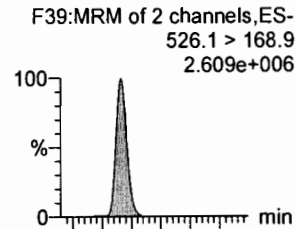
PFTrDA



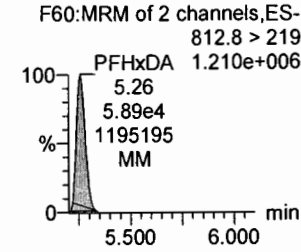
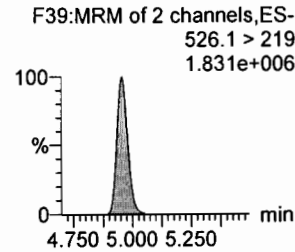
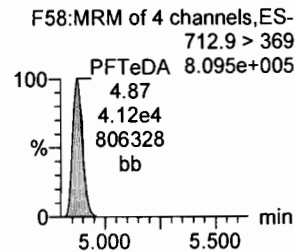
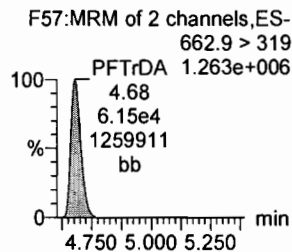
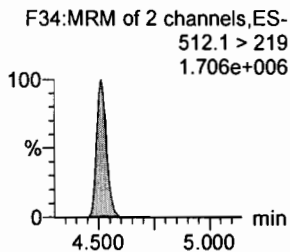
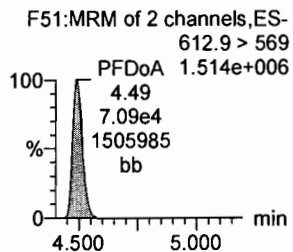
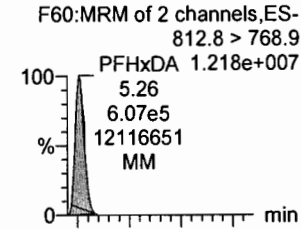
PFTeDA



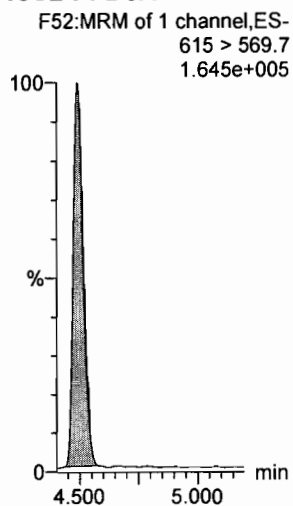
N-EtFOSA



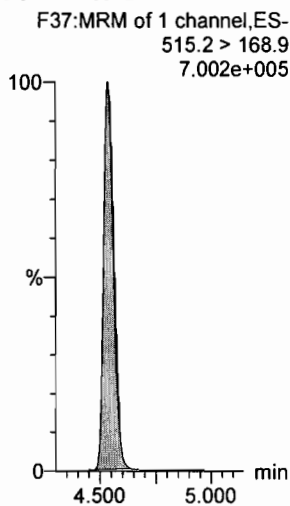
PFHxDA



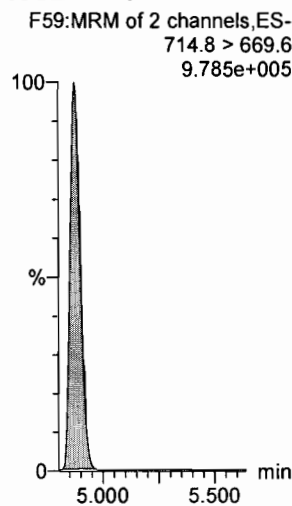
13C2-PFDoA



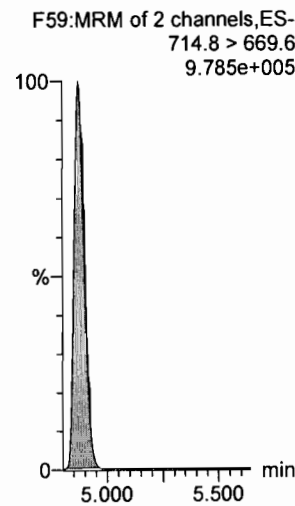
d3-N-MeFOSA



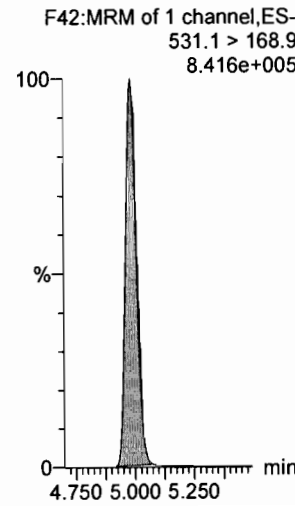
13C2-PFTeDA



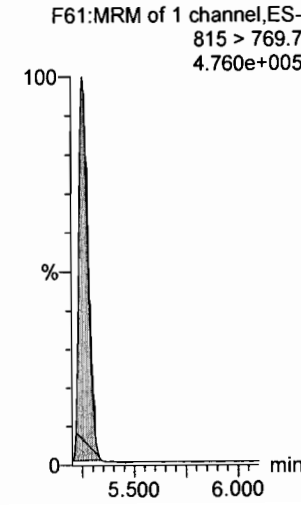
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

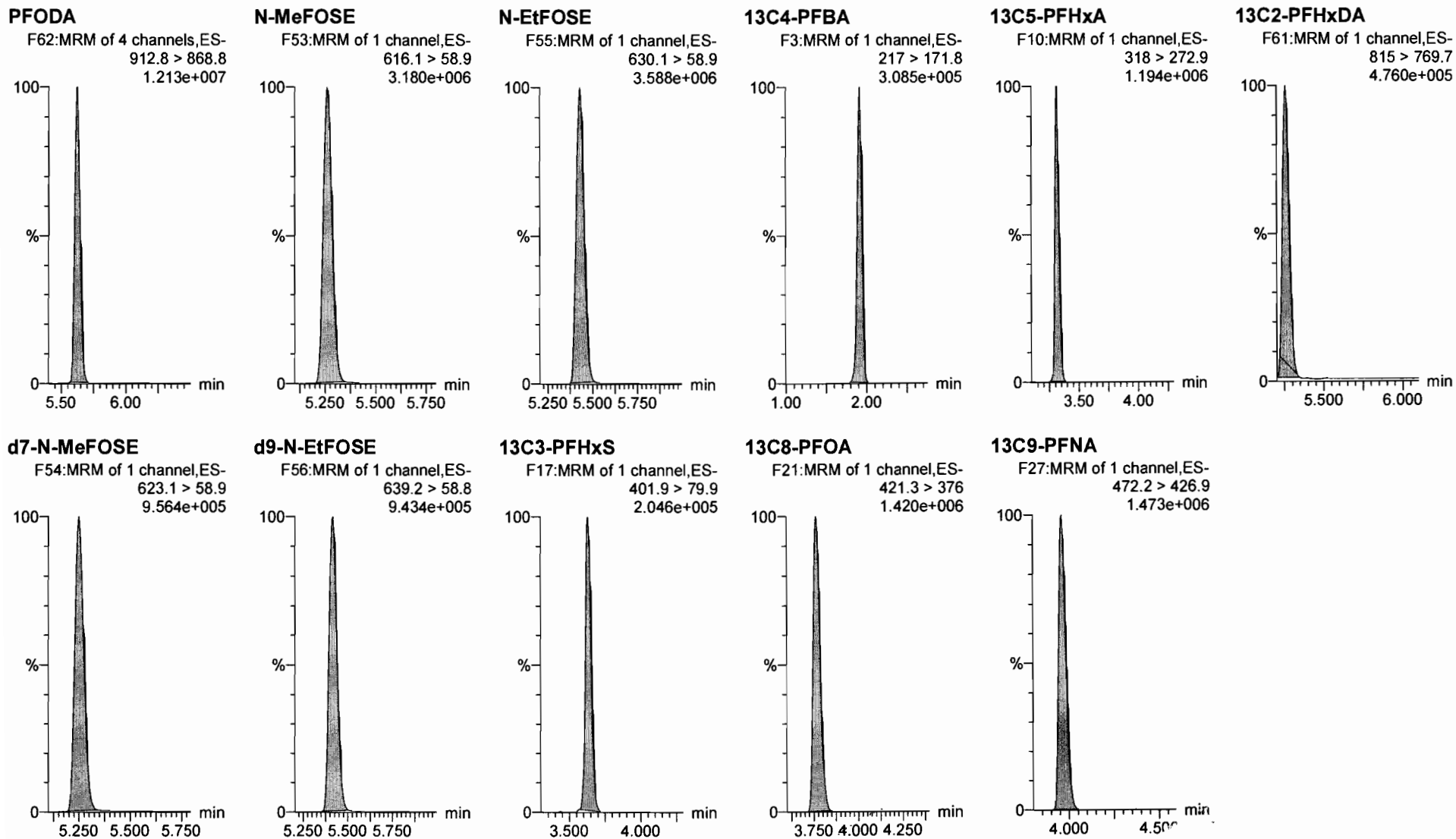


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_9, Date: 10-Aug-2017, Time: 21:47:47, ID: ST170810M2-8 PFC CS5 17H1019, Description: PFC CS5 17H1019



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

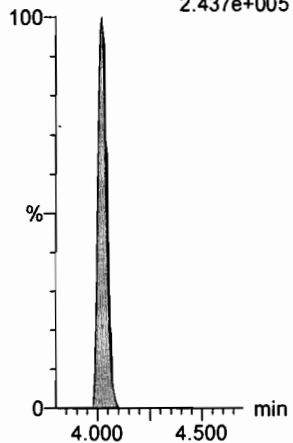
Last Altered: Friday, August 11, 2017 09:08:45 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:09:53 Pacific Daylight Time

Name: 170810M2_9, Date: 10-Aug-2017, Time: 21:47:47, ID: ST170810M2-8 PFC CS5 17H1019, Description: PFC CS5 17H1019

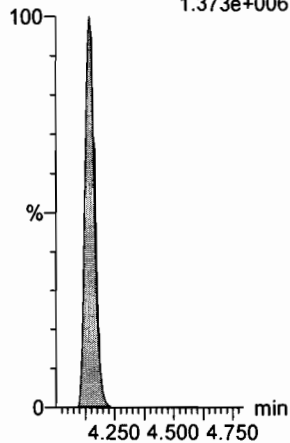
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
2.437e+005



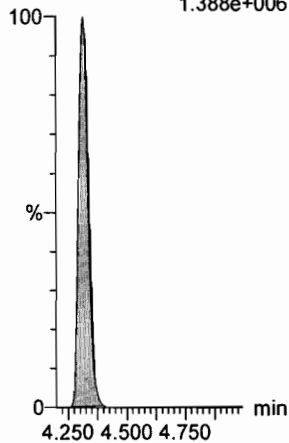
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.373e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.388e+006

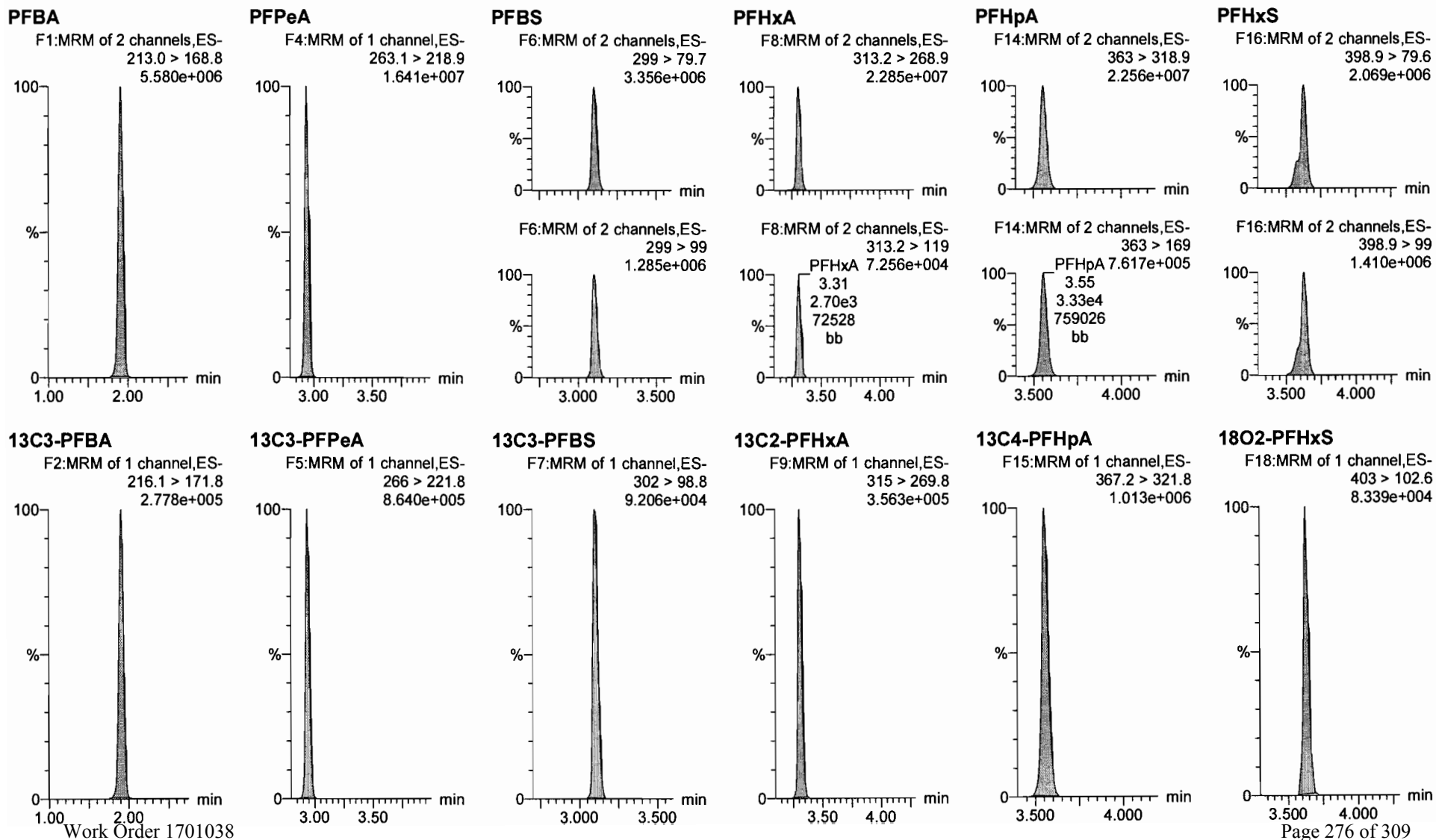


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time
Printed: Friday, August 11, 2017 09:27:08 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-10-17.mdb 11 Aug 2017 08:55:25
Calibration: 11 Aug 2017 09:12:09

Name: 170810M2_10, Date: 10-Aug-2017, Time: 21:58:34, ID: ST170810M2-9 PFC CS6 17H1013, Description: PFC CS6 17H1013

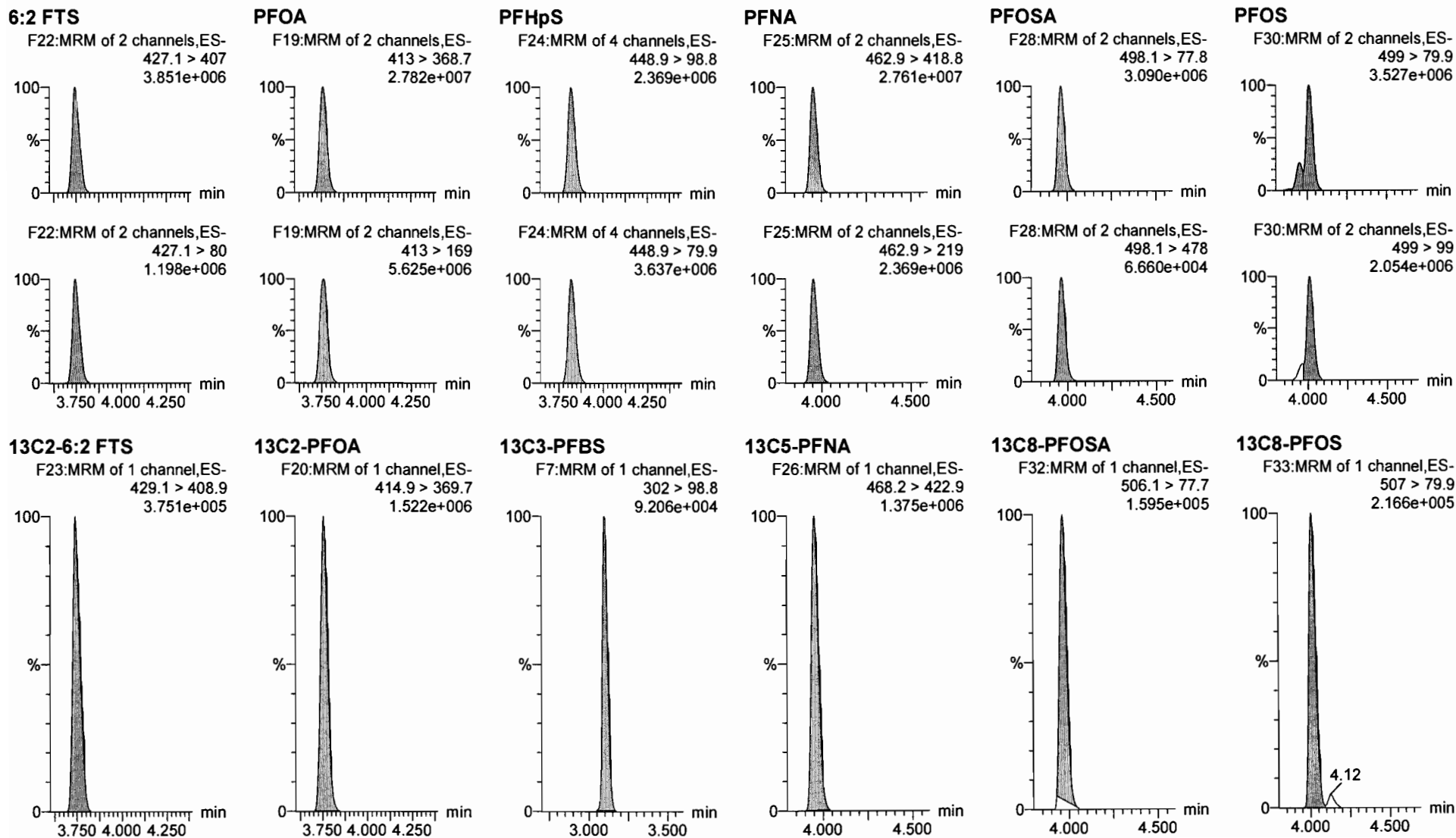


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:27:08 Pacific Daylight Time

Name: 170810M2_10, Date: 10-Aug-2017, Time: 21:58:34, ID: ST170810M2-9 PFC CS6 17H1013, Description: PFC CS6 17H1013

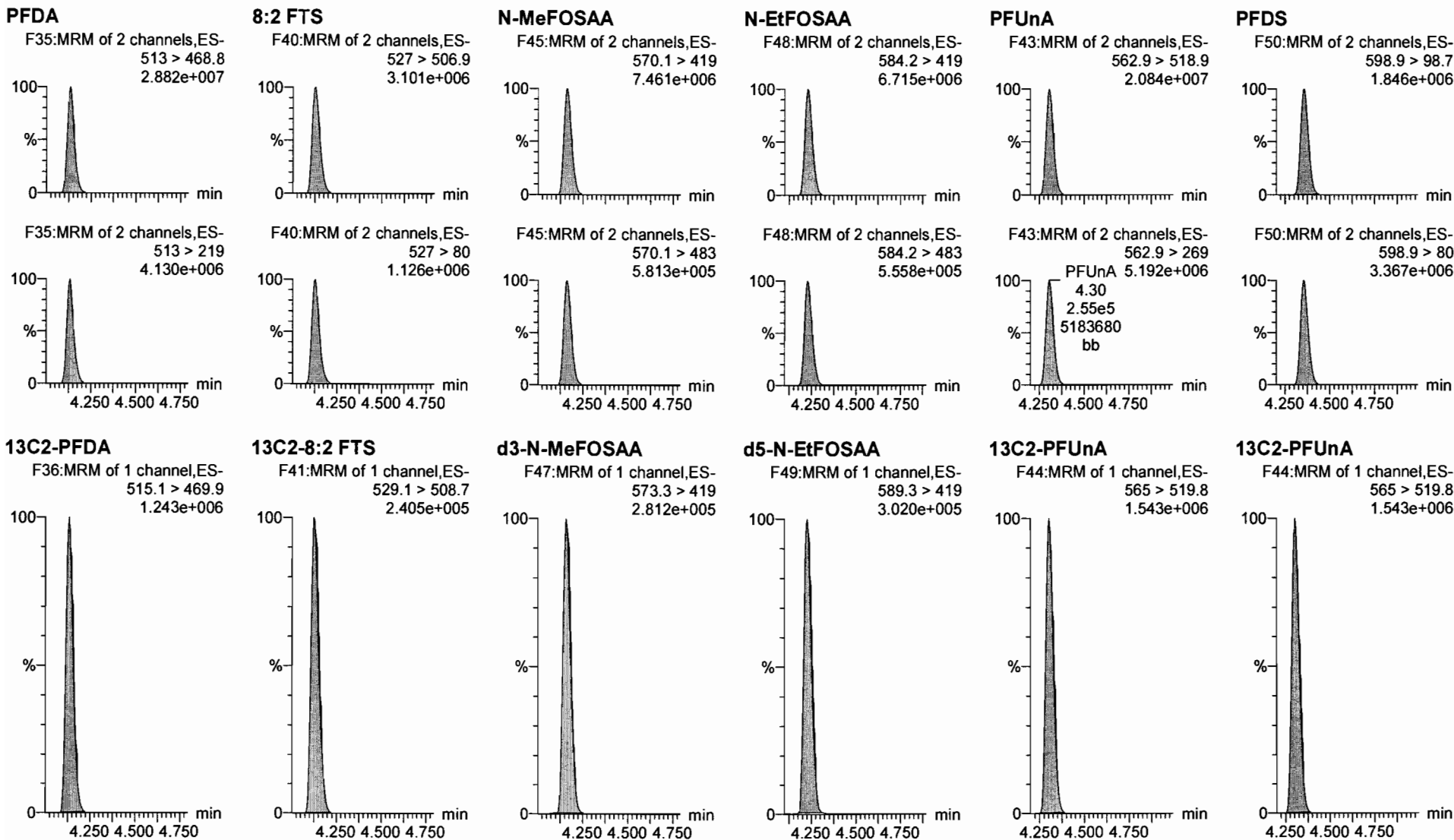


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:27:08 Pacific Daylight Time

Name: 170810M2_10, Date: 10-Aug-2017, Time: 21:58:34, ID: ST170810M2-9 PFC CS6 17H1013, Description: PFC CS6 17H1013



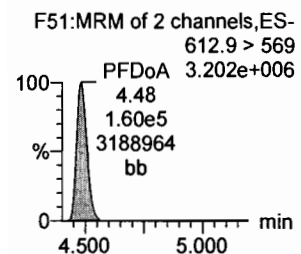
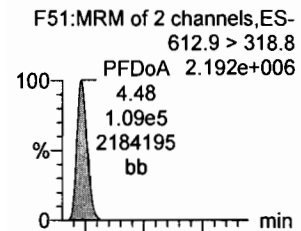
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Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

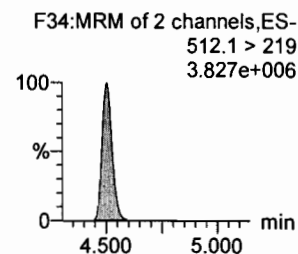
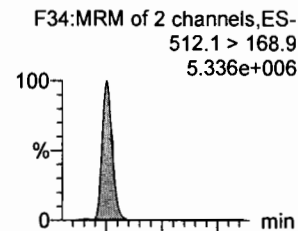
Printed: Friday, August 11, 2017 09:27:08 Pacific Daylight Time

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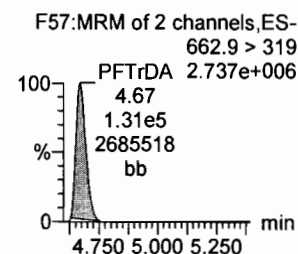
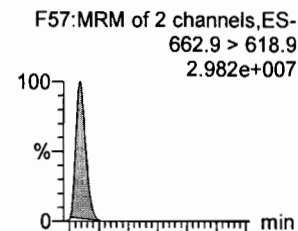
PFDaA



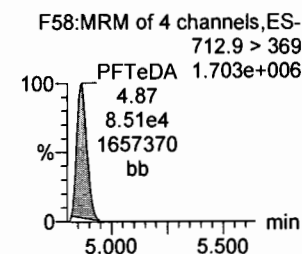
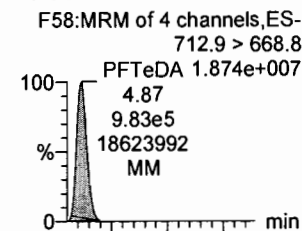
N-MeFOSA



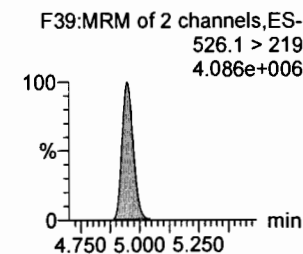
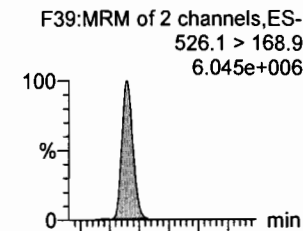
PFTrDA



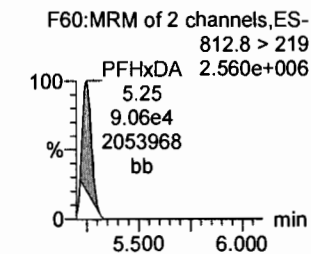
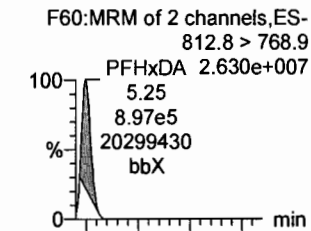
PFTeDA



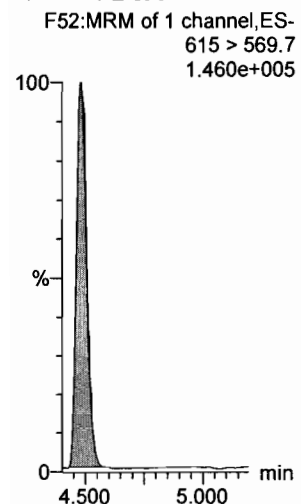
N-EtFOSA



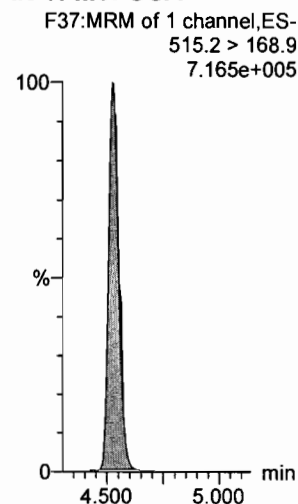
PFHxDA



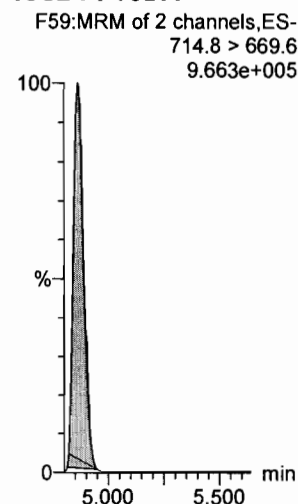
13C2-PFDaA



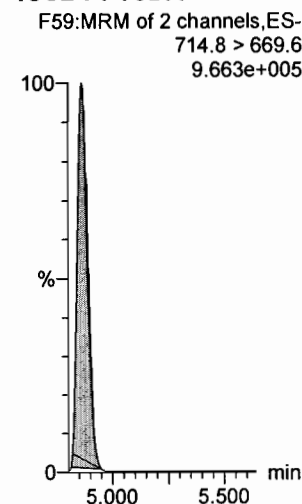
d3-N-MeFOSA



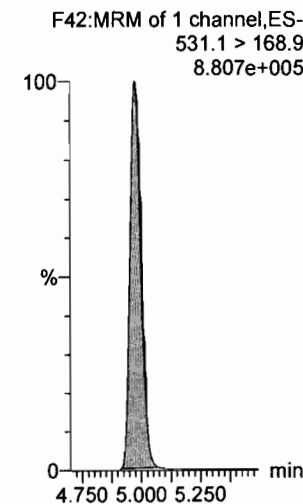
13C2-PFTeDA



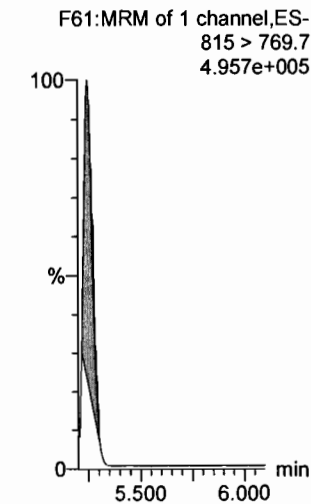
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

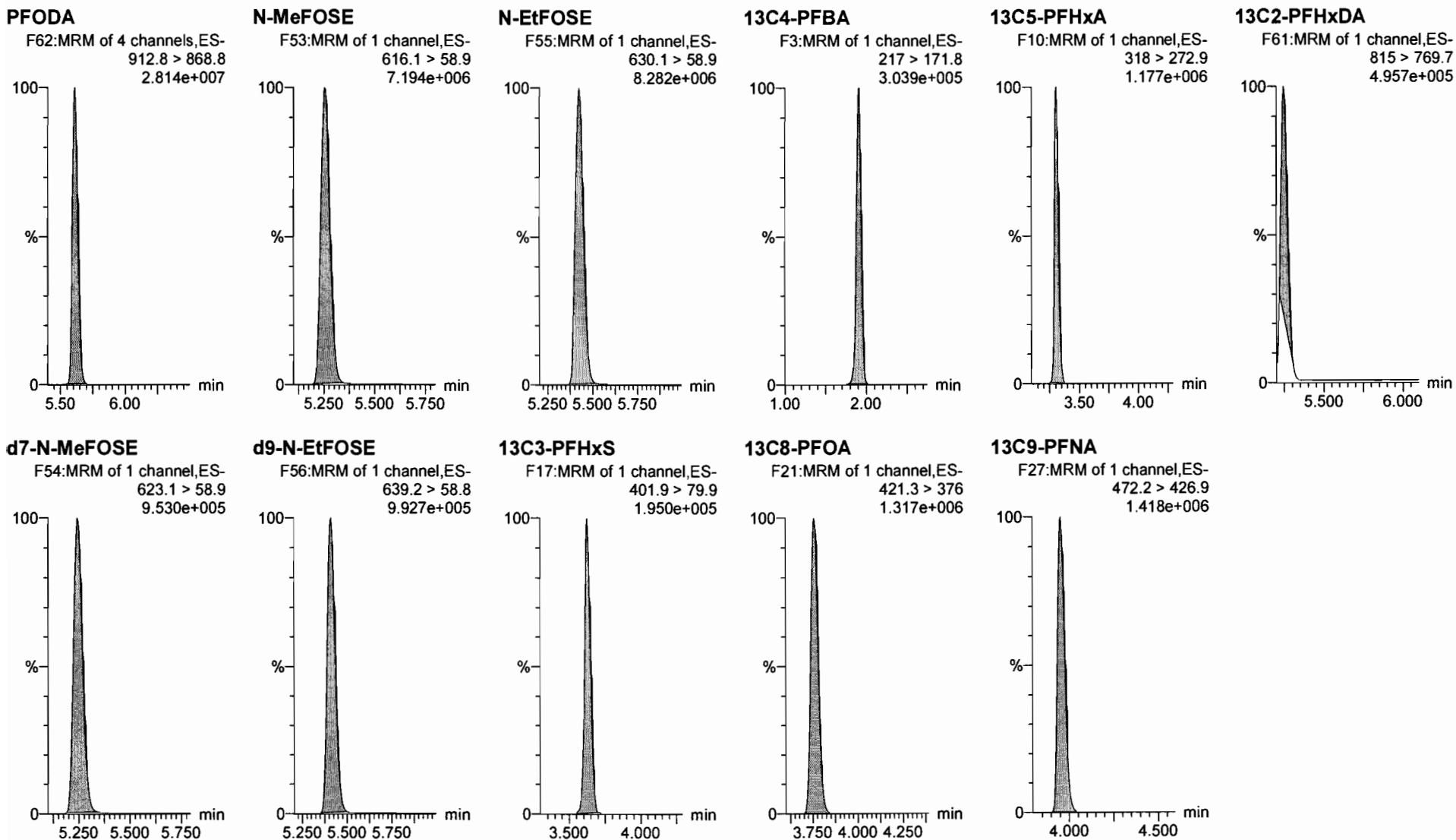


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:27:08 Pacific Daylight Time

Name: 170810M2_10, Date: 10-Aug-2017, Time: 21:58:34, ID: ST170810M2-9 PFC CS6 17H1013, Description: PFC CS6 17H1013



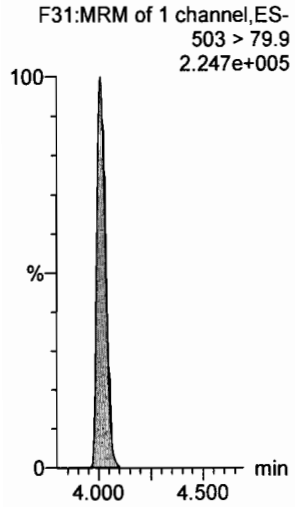
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Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

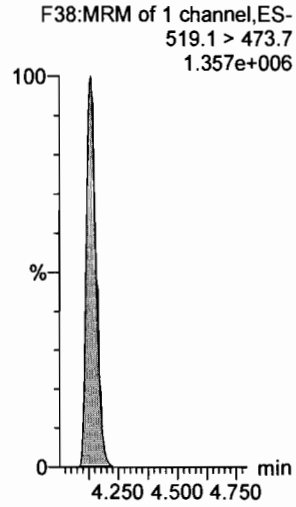
Printed: Friday, August 11, 2017 09:27:08 Pacific Daylight Time

Name: 170810M2_10, Date: 10-Aug-2017, Time: 21:58:34, ID: ST170810M2-9 PFC CS6 17H1013, Description: PFC CS6 17H1013

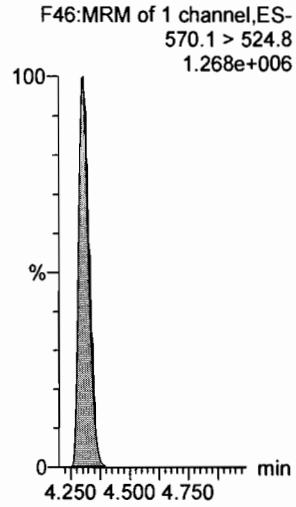
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:27:16 Pacific Daylight Time

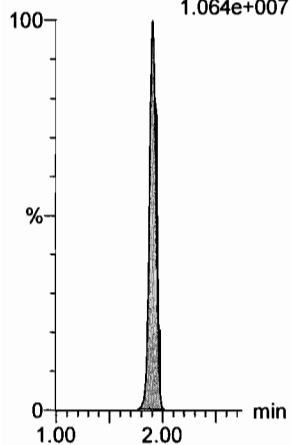
Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-10-17.mdb 11 Aug 2017 08:55:25

Calibration: 11 Aug 2017 09:12:09

Name: 170810M2_11, Date: 10-Aug-2017, Time: 22:09:12, ID: ST170810M2-10 PFC CS7 17H1012, Description: PFC CS7 17H1012

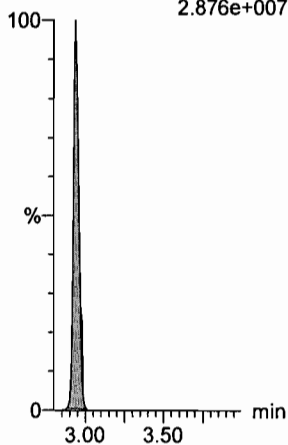
PFBA

F1:MRM of 2 channels,ES-
213.0 > 168.8
1.064e+007



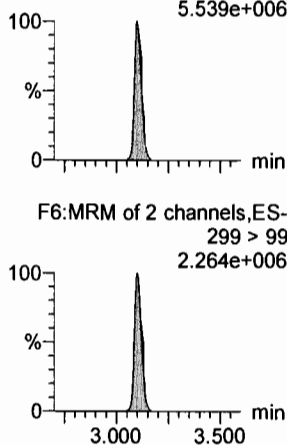
PFPeA

F4:MRM of 1 channel,ES-
263.1 > 218.9
2.876e+007



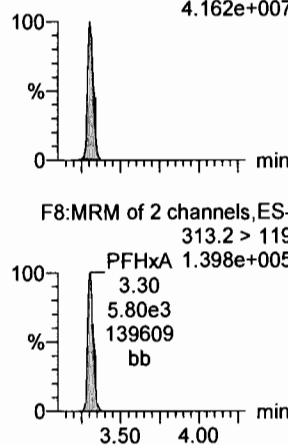
PFBS

F6:MRM of 2 channels,ES-
299 > 79.7
5.539e+006



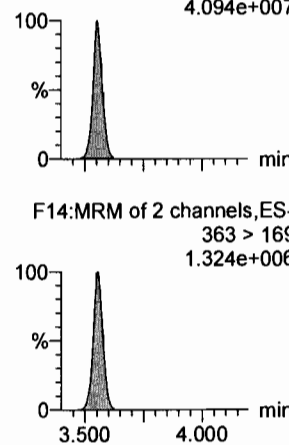
PFHxA

F8:MRM of 2 channels,ES-
313.2 > 268.9
4.162e+007



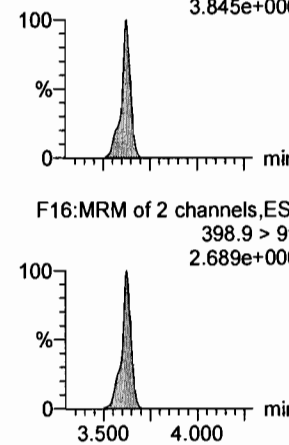
PFHpA

F14:MRM of 2 channels,ES-
363 > 318.9
4.094e+007



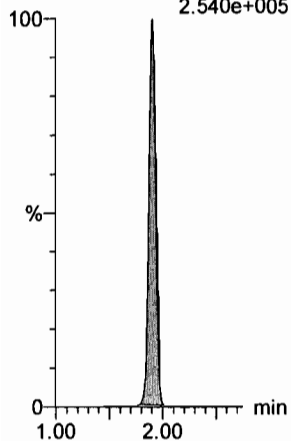
PFHxS

F16:MRM of 2 channels,ES-
398.9 > 79.6
3.845e+006



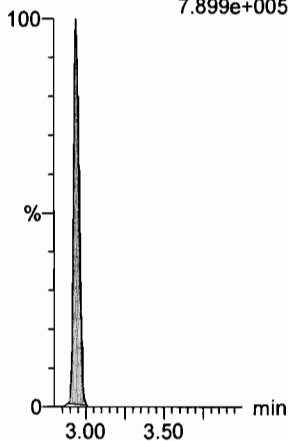
13C3-PFBA

F2:MRM of 1 channel,ES-
216.1 > 171.8
2.540e+005



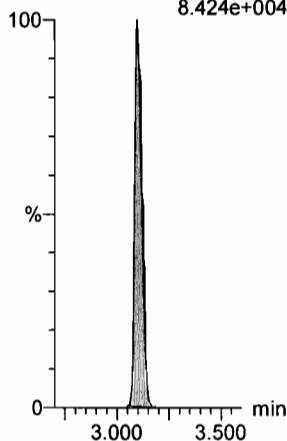
13C3-PFPeA

F5:MRM of 1 channel,ES-
266 > 221.8
7.899e+005



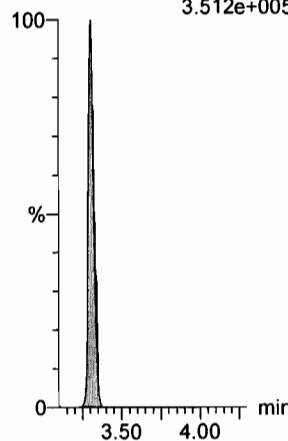
13C3-PFBS

F7:MRM of 1 channel,ES-
302 > 98.8
8.424e+004



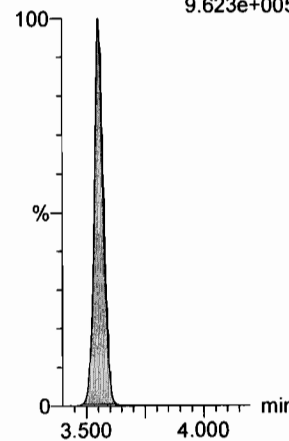
13C2-PFHxA

F9:MRM of 1 channel,ES-
315 > 269.8
3.512e+005



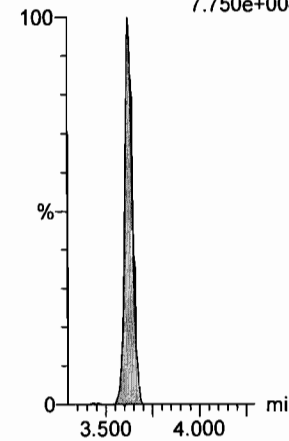
13C4-PFHpA

F15:MRM of 1 channel,ES-
367.2 > 321.8
9.623e+005



18O2-PFHxS

F18:MRM of 1 channel,ES-
403 > 102.6
7.750e+004

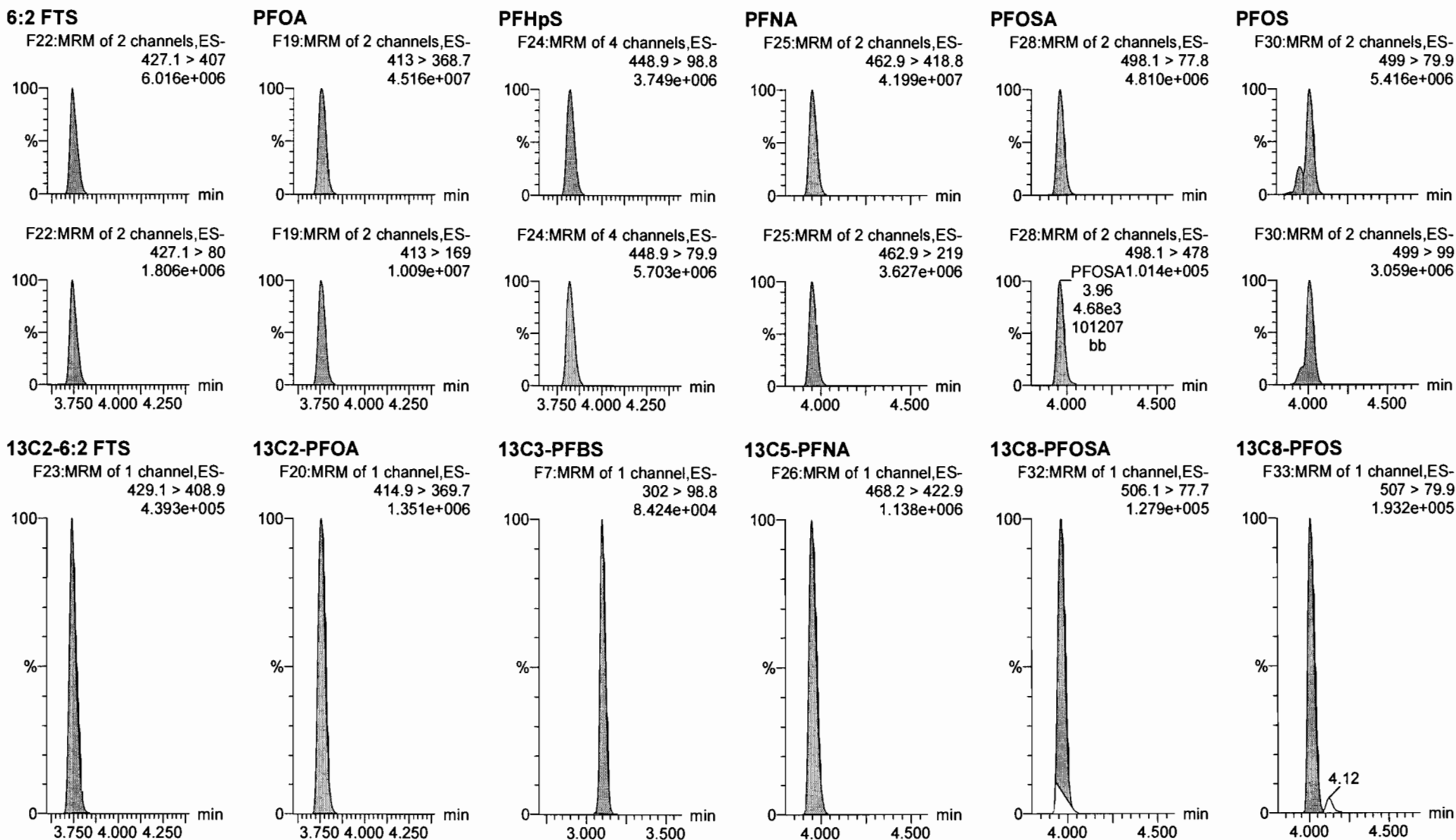


Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:27:16 Pacific Daylight Time

Name: 170810M2_11, Date: 10-Aug-2017, Time: 22:09:12, ID: ST170810M2-10 PFC CS7 17H1012, Description: PFC CS7 17H1012

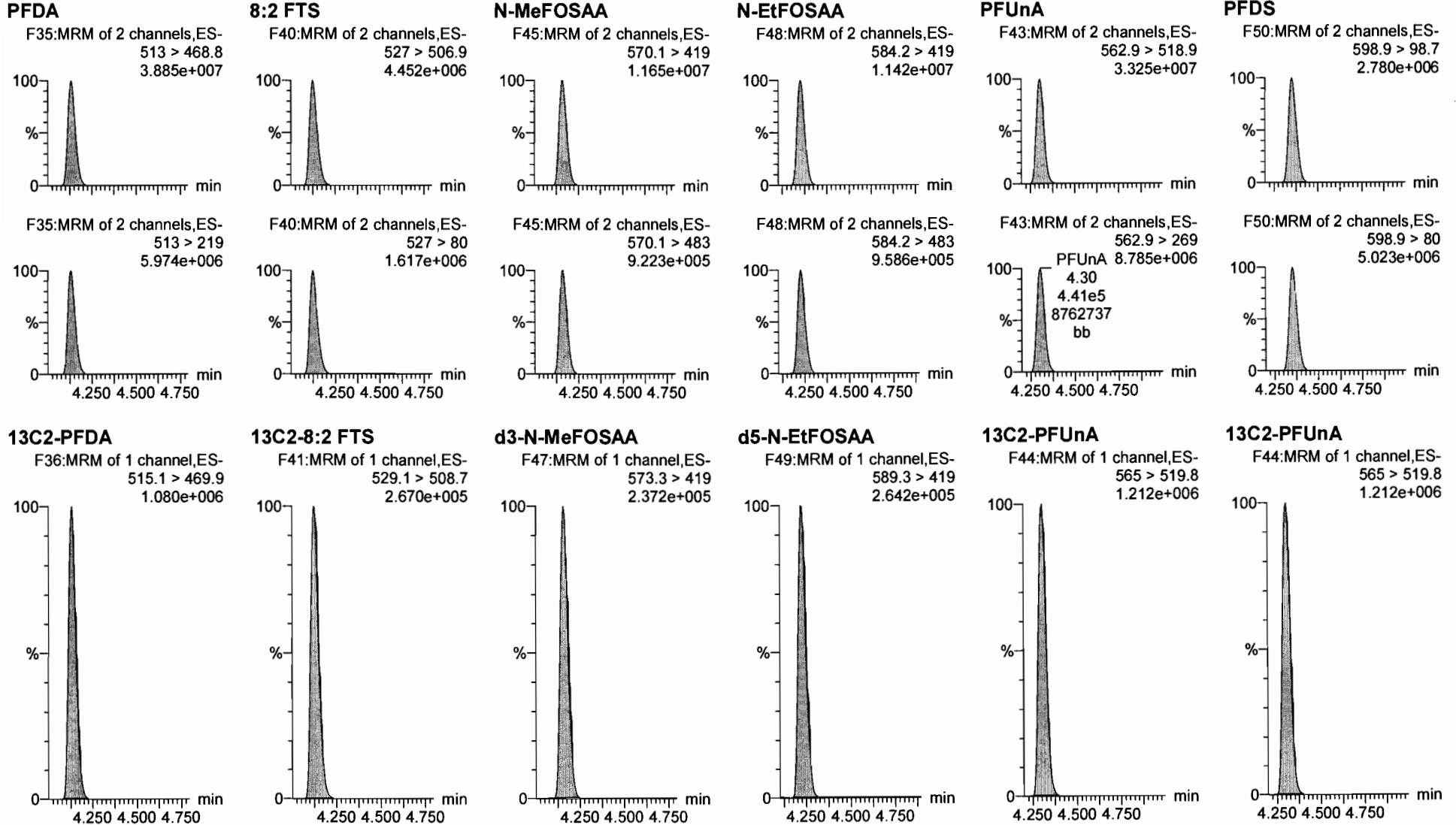


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Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:27:16 Pacific Daylight Time

Name: 170810M2_11, Date: 10-Aug-2017, Time: 22:09:12, ID: ST170810M2-10 PFC CS7 17H1012, Description: PFC CS7 17H1012



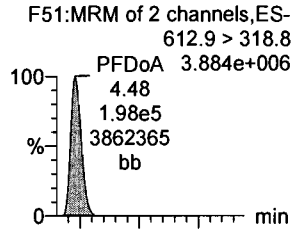
Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

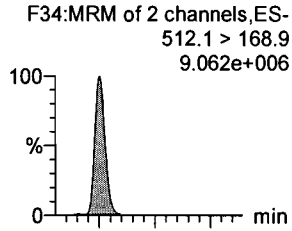
Printed: Friday, August 11, 2017 09:27:16 Pacific Daylight Time

Name: 170810M2_11, Date: 10-Aug-2017, Time: 22:09:12, ID: ST170810M2-10 PFC CS7 17H1012, Description: PFC CS7 17H1012

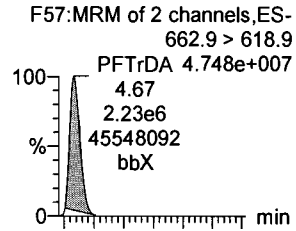
PFDaA



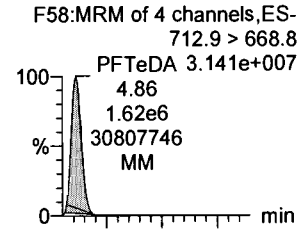
N-MeFOSA



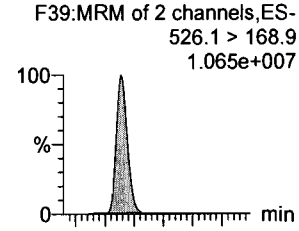
PFTTrDA



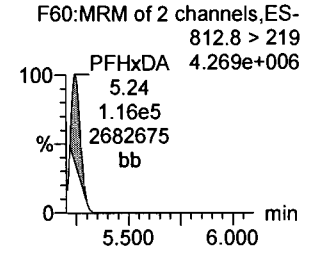
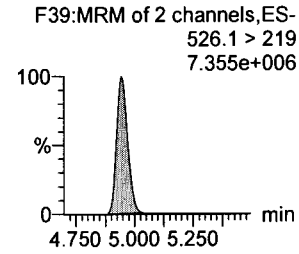
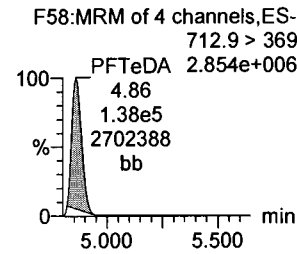
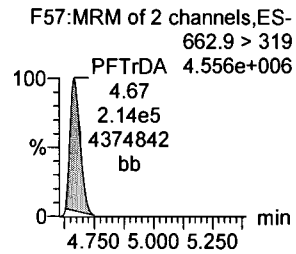
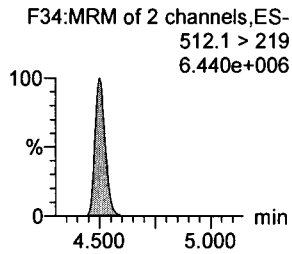
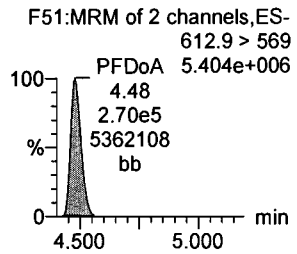
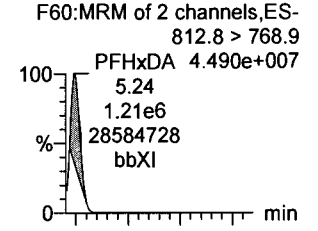
PFTeDA



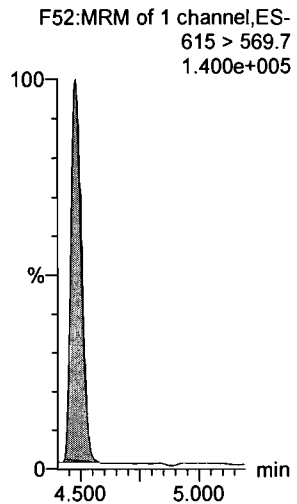
N-EtFOSA



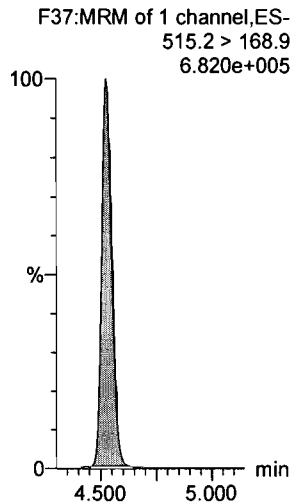
PFHxDA



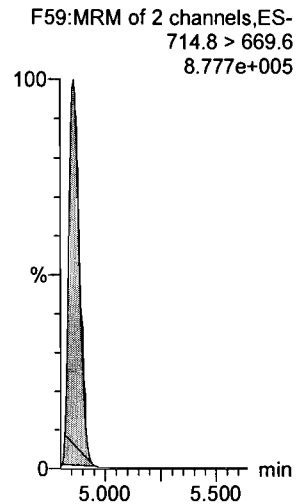
13C2-PFDaA



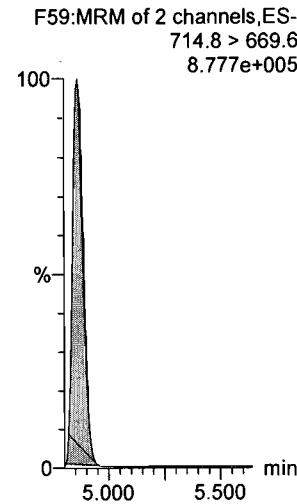
d3-N-MeFOSA



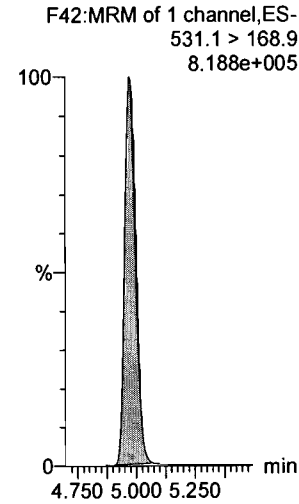
13C2-PFTeDA



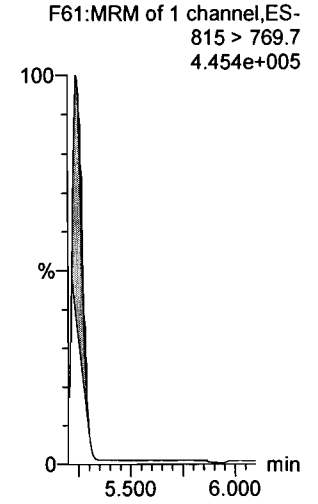
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

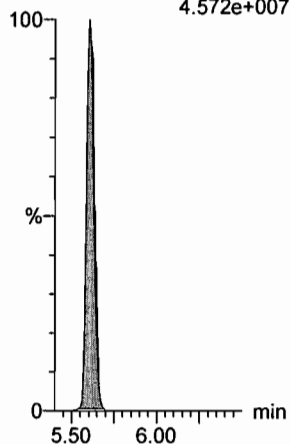
Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:27:16 Pacific Daylight Time

Name: 170810M2_11, Date: 10-Aug-2017, Time: 22:09:12, ID: ST170810M2-10 PFC CS7 17H1012, Description: PFC CS7 17H1012

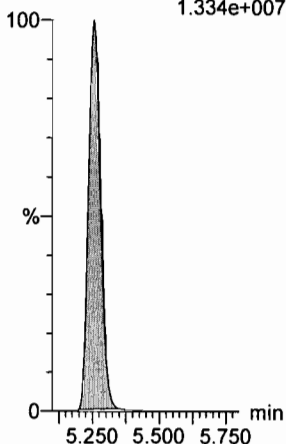
PFODA

F62:MRM of 4 channels,ES-
912.8 > 868.8
4.572e+007



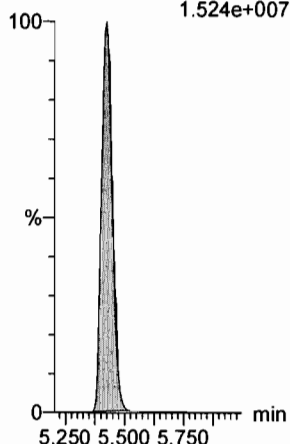
N-MeFOSE

F53:MRM of 1 channel,ES-
616.1 > 58.9
1.334e+007



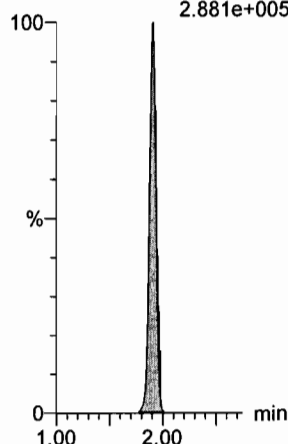
N-EtFOSE

F55:MRM of 1 channel,ES-
630.1 > 58.9
1.524e+007



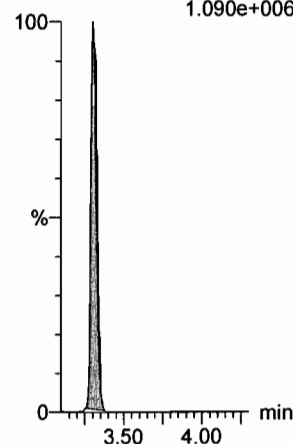
13C4-PFBA

F3:MRM of 1 channel,ES-
217 > 171.8
2.881e+005



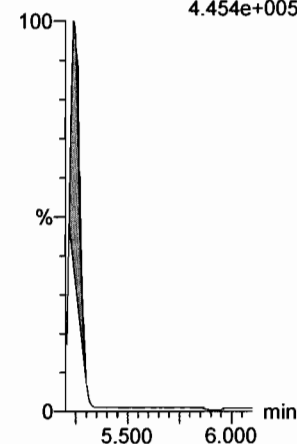
13C5-PFHxA

F10:MRM of 1 channel,ES-
318 > 272.9
1.090e+006



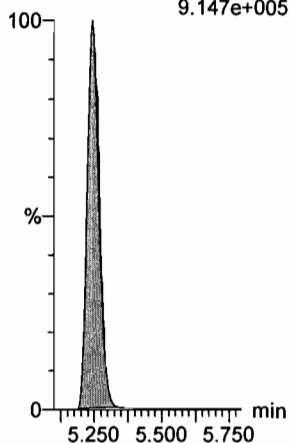
13C2-PFHxDA

F61:MRM of 1 channel,ES-
815 > 769.7
4.454e+005



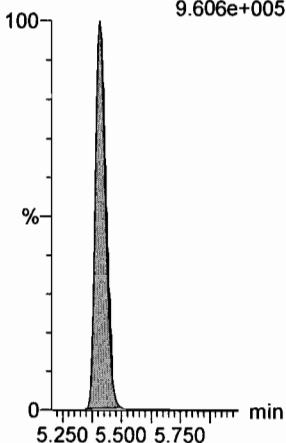
d7-N-MeFOSE

F54:MRM of 1 channel,ES-
623.1 > 58.9
9.147e+005



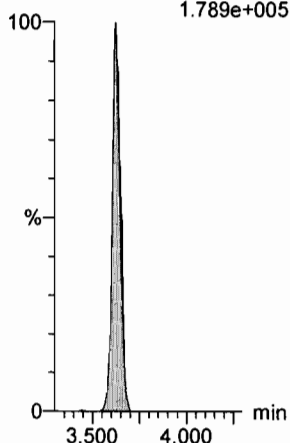
d9-N-EtFOSE

F56:MRM of 1 channel,ES-
639.2 > 58.8
9.606e+005



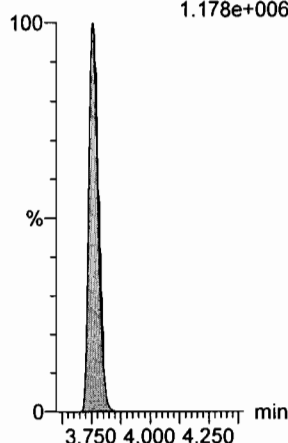
13C3-PFHxS

F17:MRM of 1 channel,ES-
401.9 > 79.9
1.789e+005



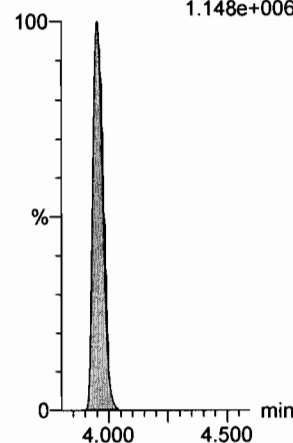
13C8-PFOA

F21:MRM of 1 channel,ES-
421.3 > 376
1.178e+006



13C9-PFNA

F27:MRM of 1 channel,ES-
472.2 > 426.9
1.148e+006



Dataset: U:\Q4.PRO\results\170810M1\170810M2-CRV.qld

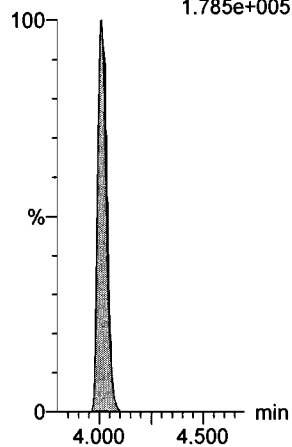
Last Altered: Friday, August 11, 2017 09:12:09 Pacific Daylight Time

Printed: Friday, August 11, 2017 09:27:16 Pacific Daylight Time

Name: 170810M2_11, Date: 10-Aug-2017, Time: 22:09:12, ID: ST170810M2-10 PFC CS7 17H1012, Description: PFC CS7 17H1012

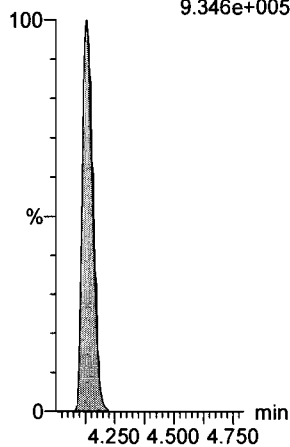
13C4-PFOS

F31:MRM of 1 channel,ES-
503 > 79.9
1.785e+005



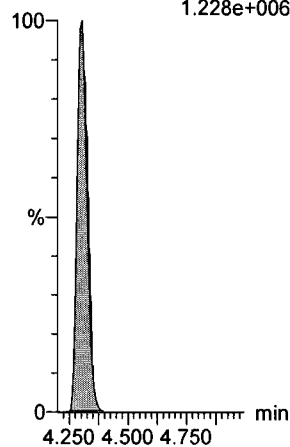
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
9.346e+005



13C7-PFUa

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.228e+006



Dataset: U:\Q4.PRO\results\170810M1\170810M2-13.qld

Last Altered: Friday, August 11, 2017 10:32:47 Pacific Daylight Time

Printed: Friday, August 11, 2017 10:35:02 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-10-17.mdb 11 Aug 2017 08:55:25

Calibration: U:\Q4.PRO\CurveDB\IC18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170810M2_13, Date: 10-Aug-2017, Time: 22:30:29, ID: ICV170810M2-1 PFC ICV 17H1020, Description: PFC ICV 17H1020

#	Name	Trace	Area	IS Area	RRF	Pred RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.58e4	1.65e4		1.90	1.90	11.9	10.9	108.9
2	2 PFPeA	263.1 > 218.9	2.50e4	3.00e4		3.00	2.93	10.4	10.9	109.1
3	3 PFBS	299 > 79.7	4.94e3	3.50e3		3.16	3.10	17.6	10.2	102.0
4	4 PFHxA	313.2 > 268.9	3.88e4	1.21e4		3.35	3.30	16.1	12.2	122.4
5	5 PFHpA	363 > 318.9	4.45e4	4.43e4		3.61	3.55	12.6	10.7	106.6
6	6 PFHxS	398.9 > 79.6	5.19e3	3.78e3		3.65	3.62	17.2	9.76	97.6
7	7 6:2 FTS	427.1 > 407	8.64e3	1.08e4		3.80	3.74	10.0	10.7	107.4
8	8 PFOA	413 > 368.7	5.53e4	6.29e4		3.82	3.75	11.0	11.1	110.5
9	9 PFHpS	448.9 > 98.8	4.60e3	6.29e4		3.80	3.82	0.914	11.5	115.2
10	10 PFNA	462.9 > 418.8	5.12e4	5.49e4		4.02	3.95	11.7	11.4	113.9
11	11 PFOSA	498.1 > 77.8	6.91e3	7.39e3		4.05	3.96	11.7	11.1	111.0
12	12 PFOS	499 > 79.9	9.36e3	1.10e4		4.07	4.01	10.6	9.98	99.8
13	13 PFDA	513 > 468.8	5.63e4	5.29e4		4.21	4.13	13.3	11.7	116.5
14	14 8:2 FTS	527 > 506.9	9.04e3	7.56e3		4.20	4.12	14.9	10.8	108.3
15	15 N-MeFOSAA	570.1 > 419	1.62e4	1.27e4		4.23	4.16	208	10.8	107.7
16	16 N-EtFOSAA	584.2 > 419	1.43e4	1.37e4		4.30	4.23	170	10.8	108.4
17	17 PFUnA	562.9 > 518.9	4.38e4	6.22e4		4.38	4.30	8.80	10.8	107.9
18	18 PFDS	598.9 > 98.7	4.05e3	6.22e4		4.40	4.35	0.815	9.87	98.7
19	19 PFDoA	612.9 > 318.8	4.95e3	6.76e3		4.58	4.48	9.16	10.9	109.4
20	20 N-MeFOSA	512.1 > 168.9		3.08e4		4.56				
21	21 PFTrDA	662.9 > 618.9	6.41e4	6.76e3		4.78	4.66	118	11.7	117.0
22	22 PFTeDA	712.9 > 668.8	4.52e4	4.45e4		4.97	4.86	12.7	11.1	110.9
23	23 N-EtFOSA	526.1 > 168.9		3.80e4		5.03				
24	24 PFHxDA	812.8 > 768.9	2.74e2	2.09e4		5.37	5.24	0.0656		
25	25 PFODA	912.8 > 868.8	3.35e2	2.09e4		5.60	5.60	0.0800		
26	26 N-MeFOSE	616.1 > 58.9		4.35e4		5.30				
27	27 N-EtFOSE	630.1 > 58.9		4.17e4		5.40				
28	28 13C3-PFBA	216.1 > 171.8	1.65e4	1.87e4	0.906	1.90	1.90	11.1	12.2	97.6
29	29 13C3-PFPeA	266 > 221.8	3.00e4	4.18e4	0.284	2.99	2.94	3.59	12.6	101.1
30	30 13C3-PFBS	302 > 98.8	3.50e3	4.18e4	0.033	3.15	3.10	0.418	12.7	101.8
31	31 13C2-PFHxA	315 > 269.8	1.21e4	4.18e4	0.304	3.35	3.30	1.44	4.75	94.9

70-130
50-50

DM
8/11/17

(A) Not Present in ICV standard - dm 8/11/17

Dataset: U:\Q4.PRO\results\170810M1\170810M2-13.qld

Last Altered: Friday, August 11, 2017 10:32:47 Pacific Daylight Time

Printed: Friday, August 11, 2017 10:35:02 Pacific Daylight Time

Name: 170810M2_13, Date: 10-Aug-2017, Time: 22:30:29, ID: ICV170810M2-1 PFC ICV 17H1020, Description: PFC ICV 17H1020

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	32 13C4-PFHpA	367.2 > 321.8	4.43e4	4.18e4	0.384	3.61	3.55	5.29	13.8	110.2
33	33 18O2-PFHxS	403 > 102.6	3.78e3	8.56e3	0.417	3.68	3.62	5.52	13.2	105.8
34	34 13C2-6:2 FTS	429.1 > 408.9	1.08e4	6.07e4	0.202	3.80	3.75	2.22	11.0	88.1
35	35 13C2-PFOA	414.9 > 369.7	6.29e4	6.07e4	1.132	3.82	3.75	12.9	11.4	91.5
36	36 13C5-PFNA	468.2 > 422.9	5.49e4	6.37e4	0.946	4.02	3.95	10.8	11.4	91.0
37	37 13C8-PFOA	506.1 > 77.7	7.39e3	6.42e4	0.119	4.08	3.96	1.44	12.0	96.4
38	38 13C8-PFOS	507 > 79.9	1.10e4	1.05e4	1.040	4.07	4.01	13.1	12.6	101.1
39	39 13C2-PFDA	515.1 > 469.9	5.29e4	5.81e4	0.971	4.21	4.13	11.4	11.7	93.9
40	40 13C2-8:2 FTS	529.1 > 508.7	7.56e3	5.81e4	0.140	4.20	4.12	1.63	11.6	92.8
41	41 d3-N-MeFOSAA	573.3 > 419	1.27e4	6.42e4	0.018	4.23	4.16	2.47	139	85.4
42	42 d5-N-EiFOSAA	589.3 > 419	1.37e4	6.42e4	0.018	4.30	4.22	2.67	146	90.1
43	43 13C2-PFUnA	565 > 519.8	6.22e4	6.42e4	1.085	4.38	4.30	12.1	11.1	89.2
44	44 13C2-PFDoA	615 > 569.7	6.76e3	6.42e4	0.123	4.58	4.48	1.32	10.7	85.5
45	45 d3-N-MeFOSA	515.2 > 168.9	3.08e4	6.42e4	0.043	4.56	4.53	5.99	138	92.3
46	46 13C2-PFTeDA	714.8 > 669.6	4.45e4	6.42e4	0.798	4.97	4.86	8.67	10.9	86.9
47	47 d5-N-ETFOSA	531.1 > 168.9	3.80e4	6.42e4	0.056	5.03	4.97	7.40	133	88.6
48	48 13C2-PFHxDA	815 > 769.7	2.09e4	6.42e4	0.926	5.37	5.24	4.07	4.40	87.9
49	49 d7-N-MeFOSE	623.1 > 58.9	4.35e4	6.42e4	0.059	5.30	5.24	8.46	142	94.9
50	50 d9-N-EiFOSE	639.2 > 58.8	4.17e4	6.42e4	0.059	5.40	5.41	8.12	137	91.1
51	51 13C4-PFBA	217 > 171.8	1.87e4	1.87e4	1.000	1.90	1.90	12.5	12.5	100.0
52	52 13C5-PFHxA	318 > 272.9	4.18e4	4.18e4	1.000	3.35	3.30	5.00	5.00	100.0
53	53 13C3-PFHxS	401.9 > 79.9	8.56e3	8.56e3	1.000	3.68	3.62	12.5	12.5	100.0
54	54 13C8-PFOA	421.3 > 376	6.07e4	6.07e4	1.000	3.82	3.76	12.5	12.5	100.0
55	55 13C9-PFNA	472.2 > 426.9	6.37e4	6.37e4	1.000	4.02	3.95	12.5	12.5	100.0
56	56 13C4-PFOS	503 > 79.9	1.05e4	1.05e4	1.000	4.07	4.01	12.5	12.5	100.0
57	57 13C6-PFDA	519.1 > 473.7	5.81e4	5.81e4	1.000	4.21	4.13	12.5	12.5	100.0
58	58 13C7-PFUnA	570.1 > 524.8	6.42e4	6.42e4	1.000	4.38	4.30	12.5	12.5	100.0

9-150

Ⓟ out of window, not used. on 8/11/17

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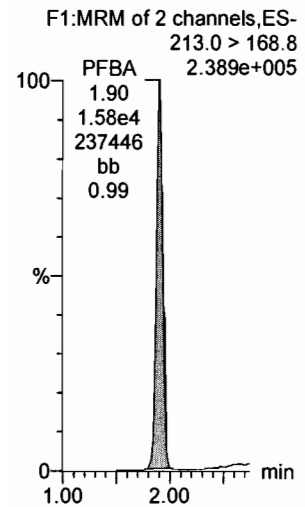
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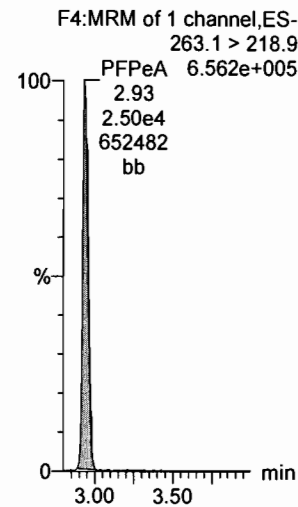
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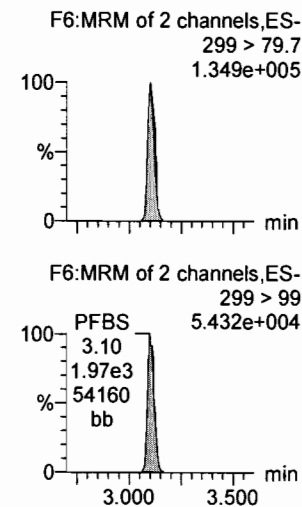
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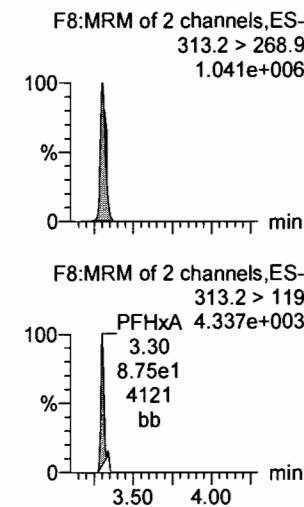
PFPeA



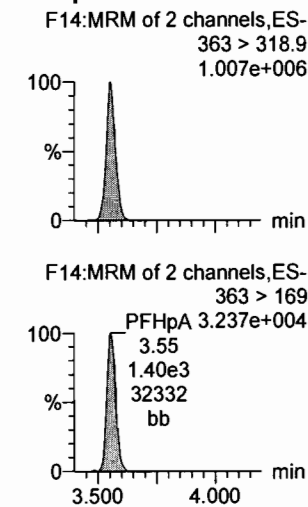
PFBS



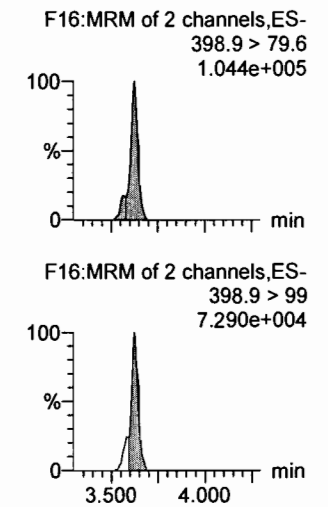
PFHxA



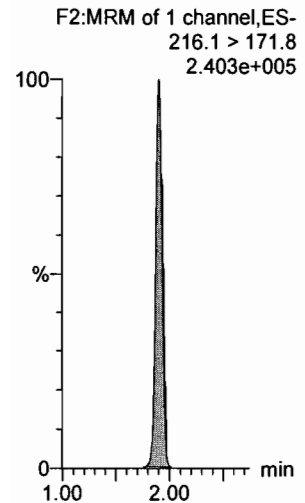
PFHpA



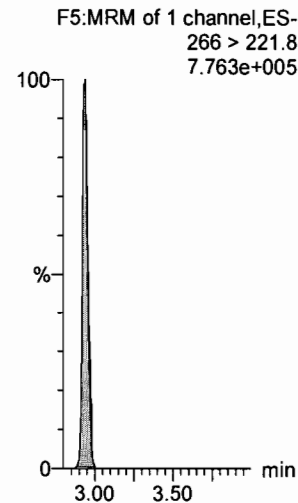
PFHxS



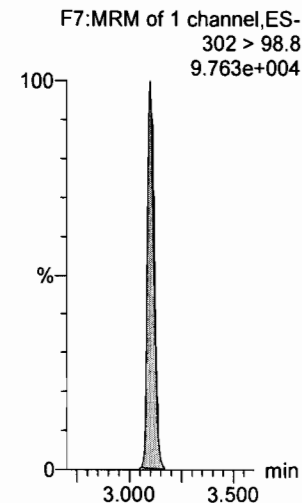
13C3-PFBA



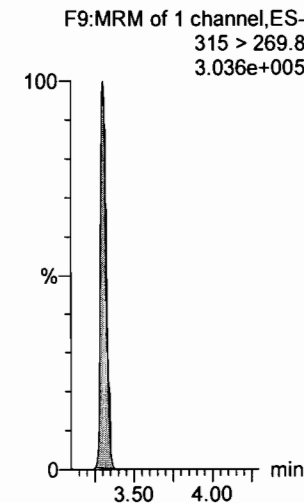
13C3-PFPeA



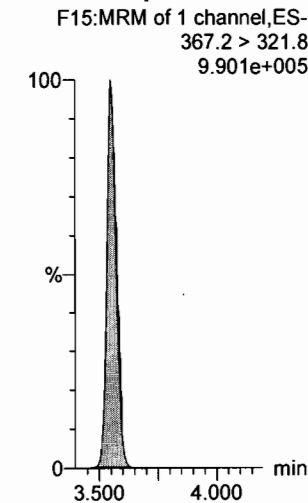
13C3-PFBS



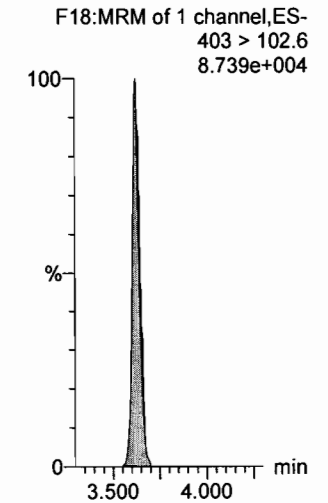
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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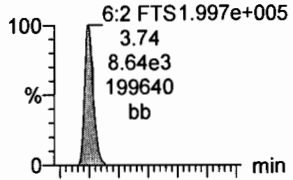
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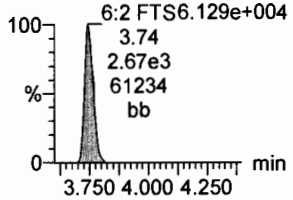
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6:2 FTS

F22:MRM of 2 channels,ES-
427.1 > 407

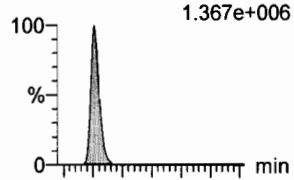


F22:MRM of 2 channels,ES-
427.1 > 80

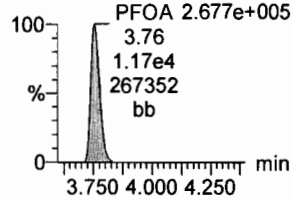


PFOA

F19:MRM of 2 channels,ES-
413 > 368.7

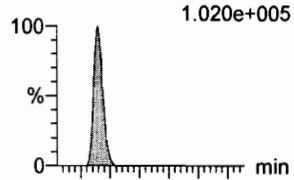


F19:MRM of 2 channels,ES-
413 > 169

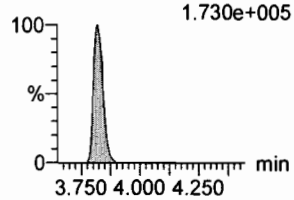


PFHpS

F24:MRM of 4 channels,ES-
448.9 > 98.8

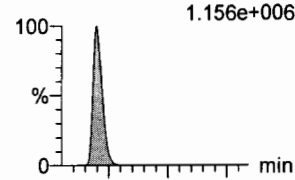


F24:MRM of 4 channels,ES-
448.9 > 79.9

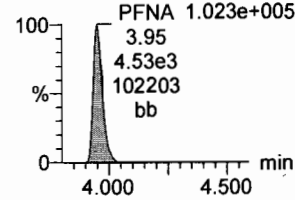


PFNA

F25:MRM of 2 channels,ES-
462.9 > 418.8

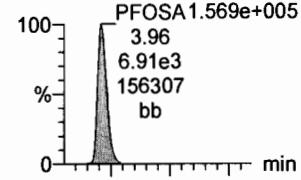


F25:MRM of 2 channels,ES-
462.9 > 219

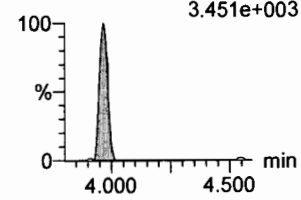


PFOSA

F28:MRM of 2 channels,ES-
498.1 > 77.8

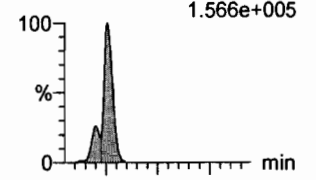


F28:MRM of 2 channels,ES-
498.1 > 478

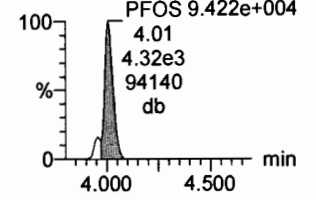


PFOS

F30:MRM of 2 channels,ES-
499 > 79.9

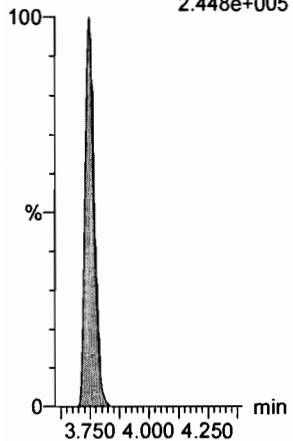


F30:MRM of 2 channels,ES-
499 > 99



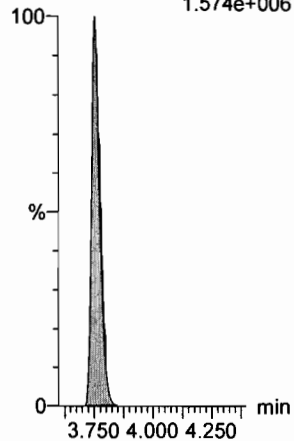
13C2-6:2 FTS

F23:MRM of 1 channel,ES-
429.1 > 408.9



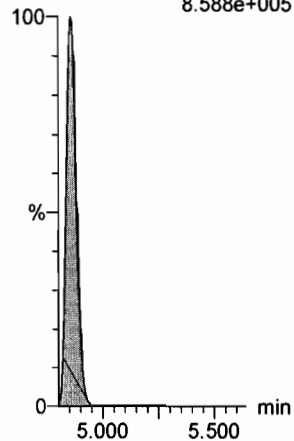
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7



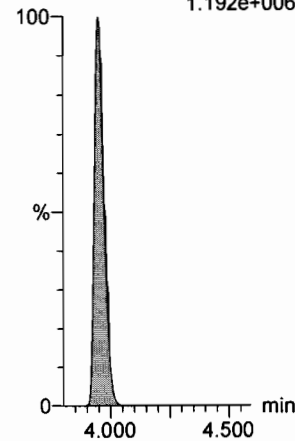
13C2-PFTeDA

F59:MRM of 2 channels,ES-
714.8 > 669.6



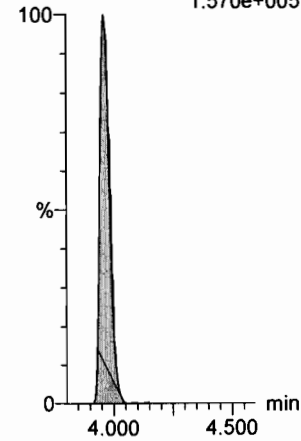
13C5-PFNA

F26:MRM of 1 channel,ES-
468.2 > 422.9



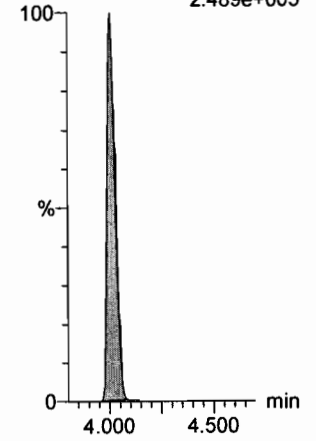
13C8-PFOA

F32:MRM of 1 channel,ES-
506.1 > 77.7



13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9

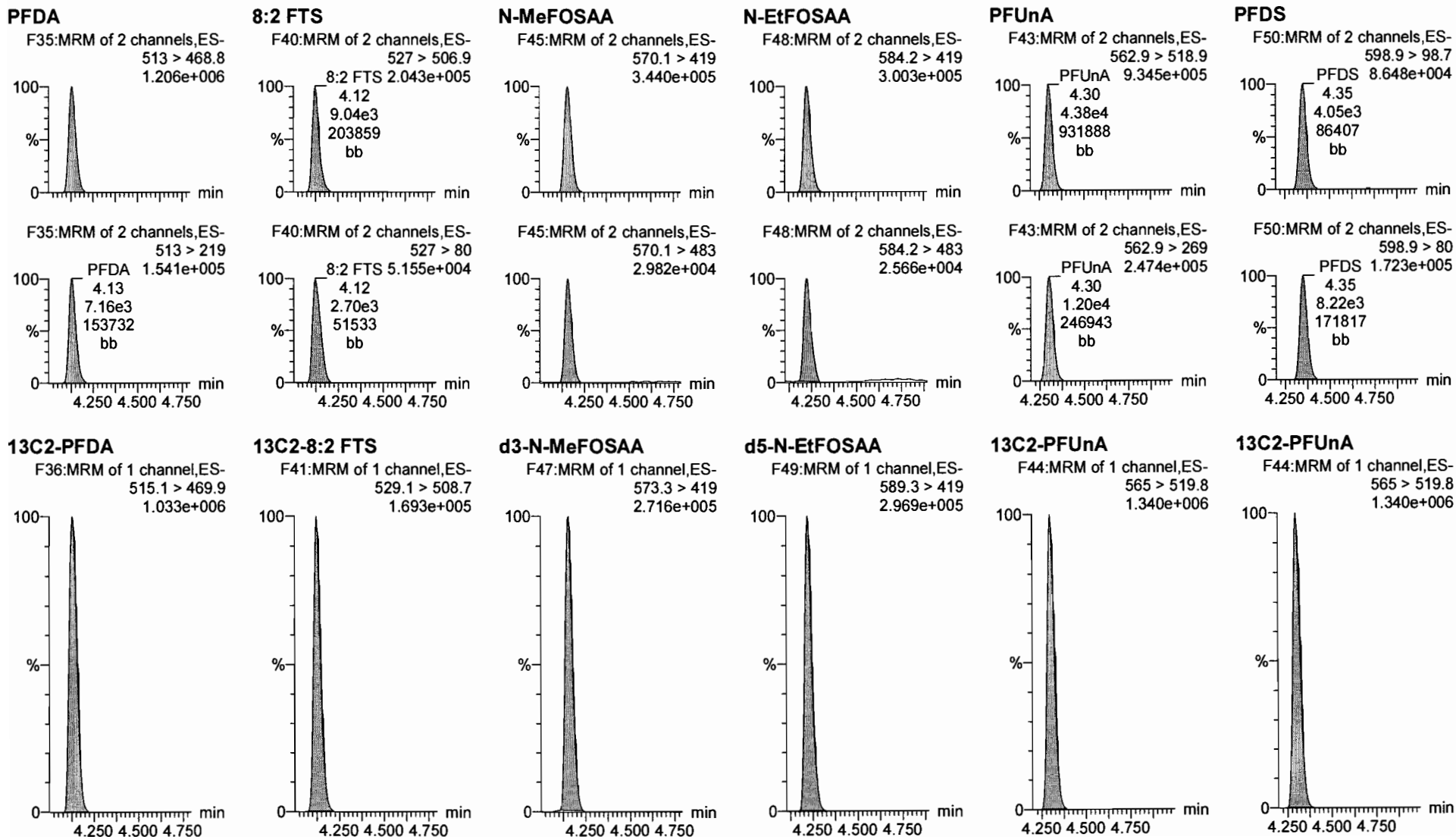


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Printed: Friday, August 11, 2017 10:35:02 Pacific Daylight Time

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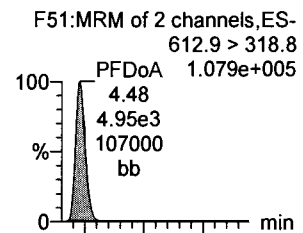
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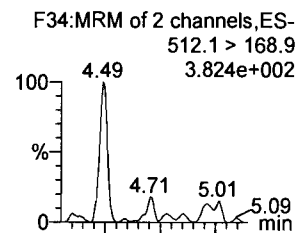
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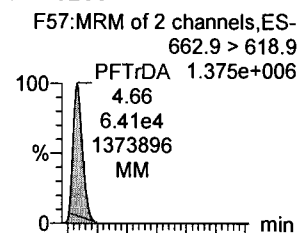
PFDaA



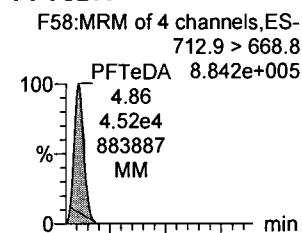
N-MeFOSA



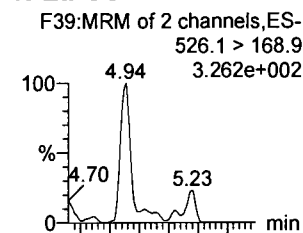
PFTrDA



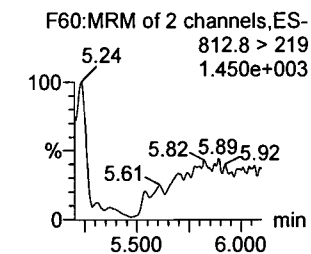
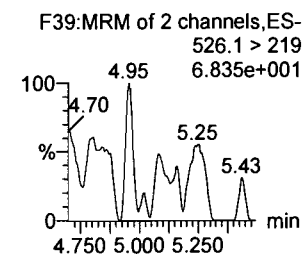
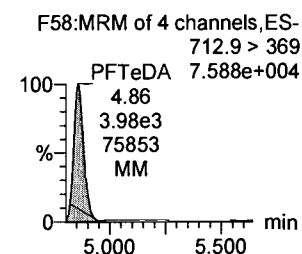
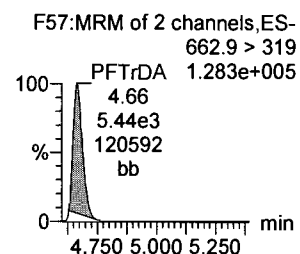
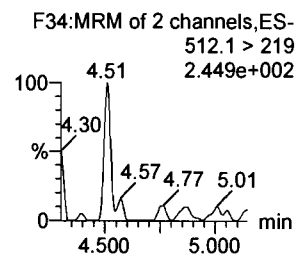
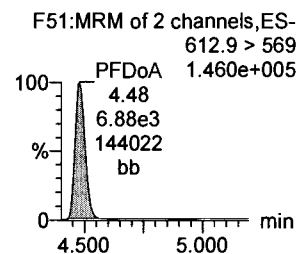
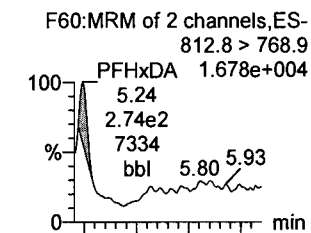
PFTeDA



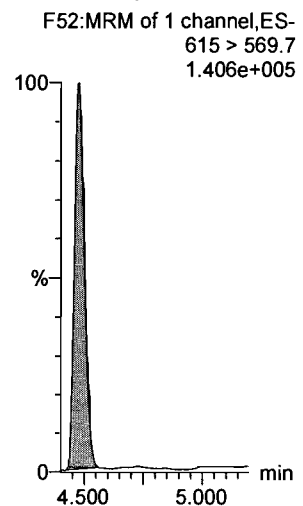
N-EtFOSA



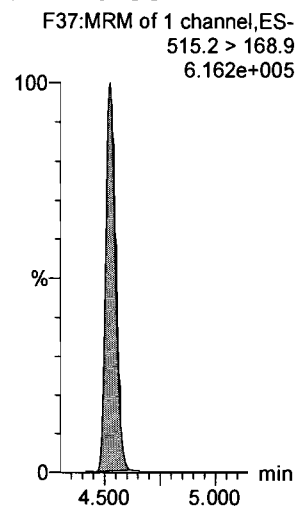
PFHxDA



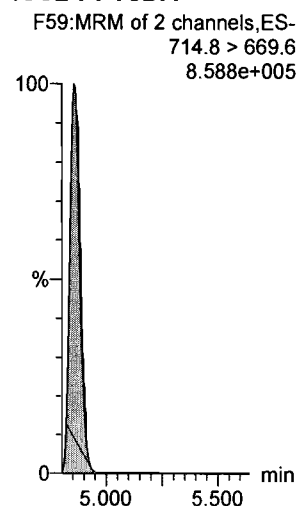
13C2-PFDaA



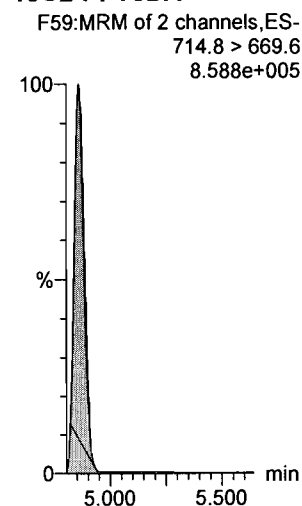
d3-N-MeFOSA



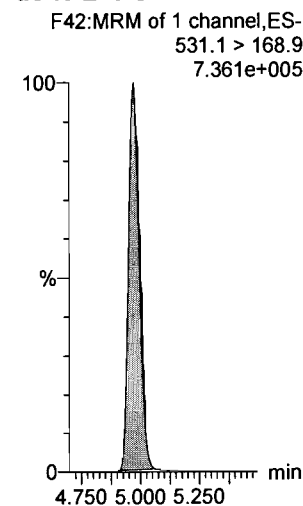
13C2-PFTeDA



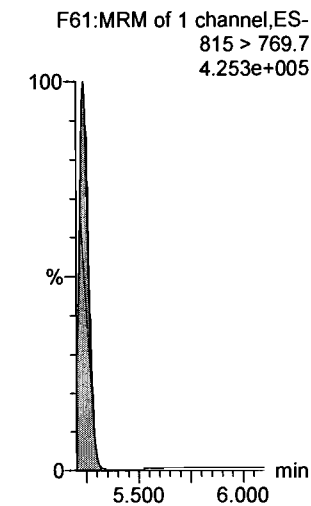
13C2-PFTeDA



d5-N-ETFOA



13C2-PFHxDA



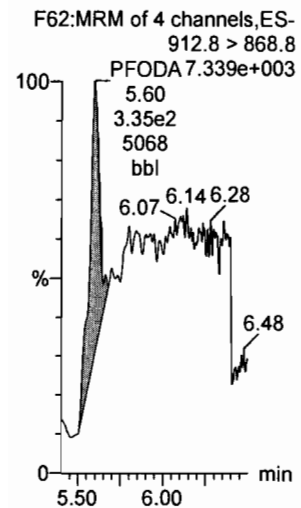
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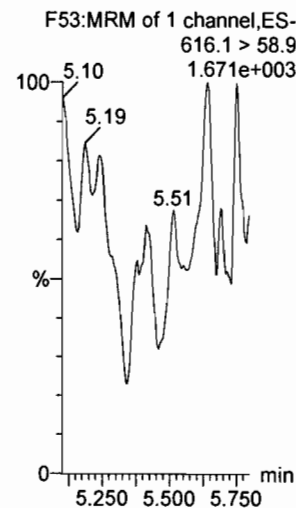
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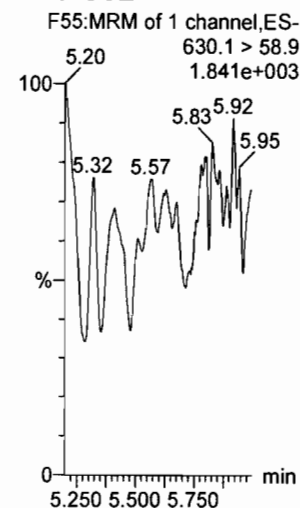
PFODA



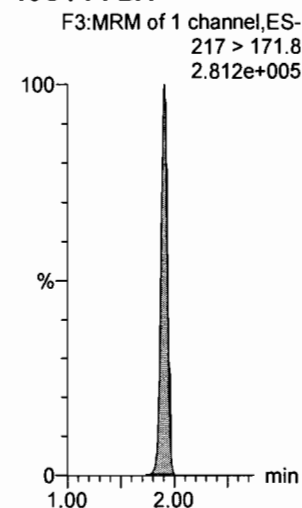
N-MeFOSE



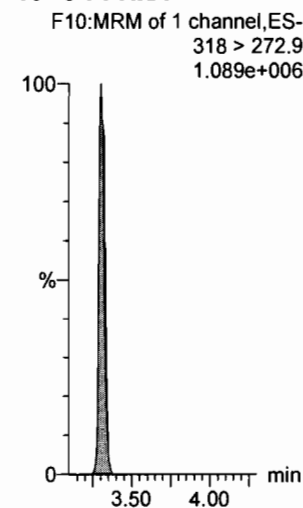
N-EtFOSE



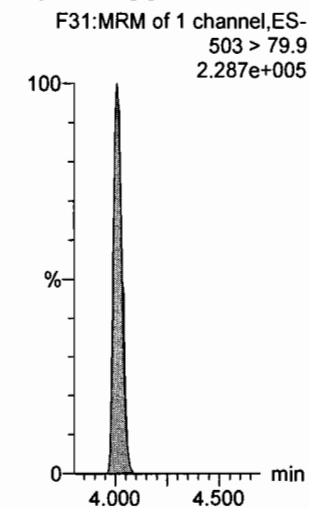
13C4-PFBA



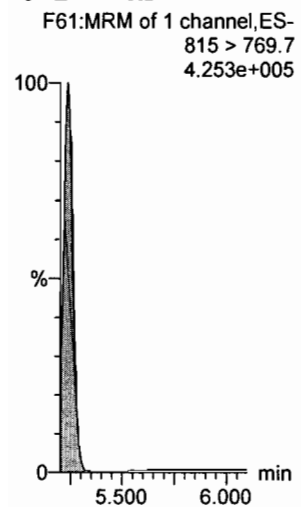
13C5-PFHxA



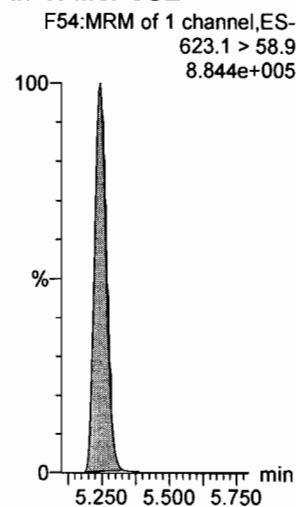
13C4-PFOS



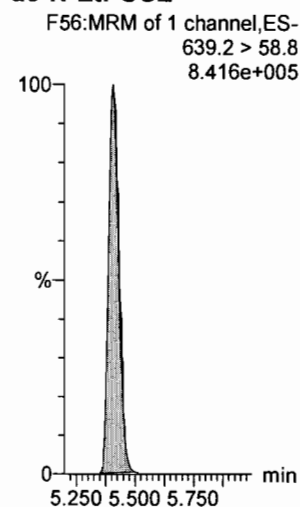
13C2-PFHxDA



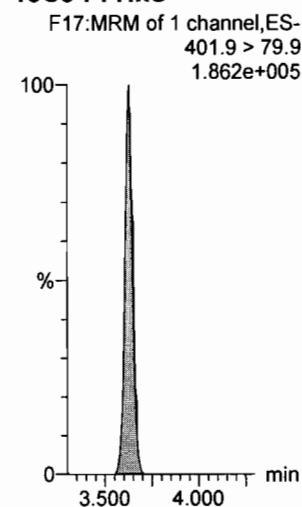
d7-N-MeFOSE



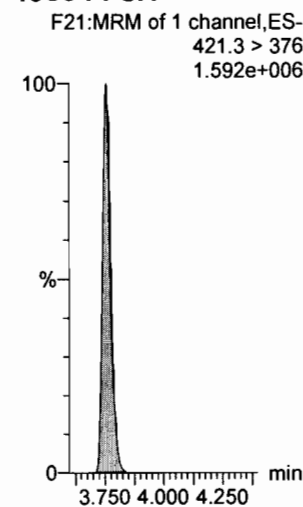
d9-N-EtFOSE



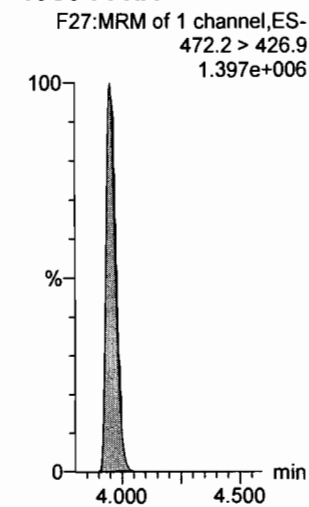
13C3-PFHxS



13C8-PFOA



13C9-PFNA



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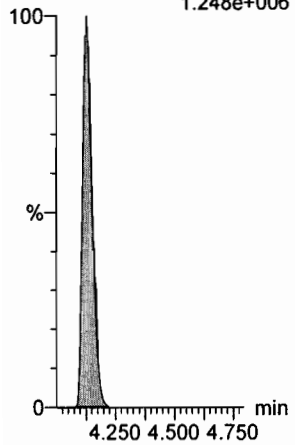
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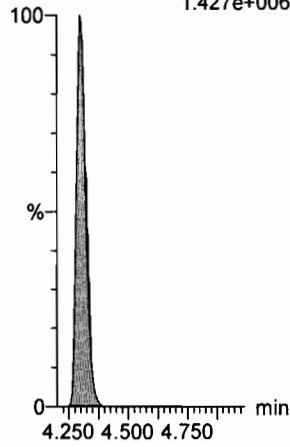
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.248e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.427e+006



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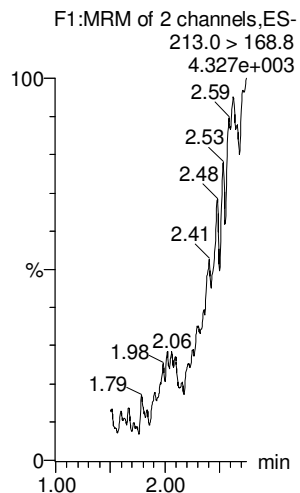
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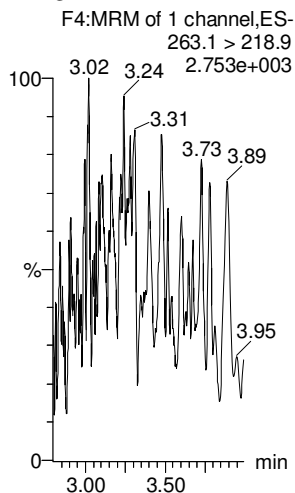
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170810M2_12, Date: 10-Aug-2017, Time: 22:19:51, ID: IPA, Description: IPA

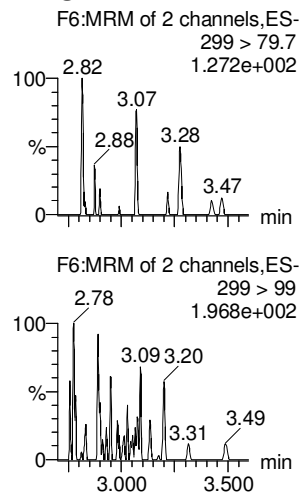
PFBA



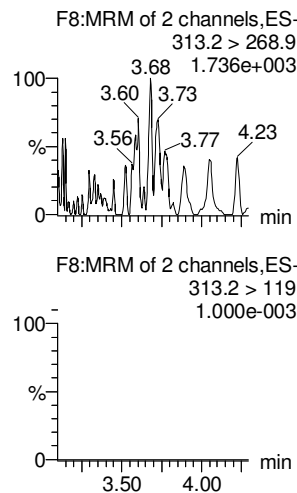
PFPeA



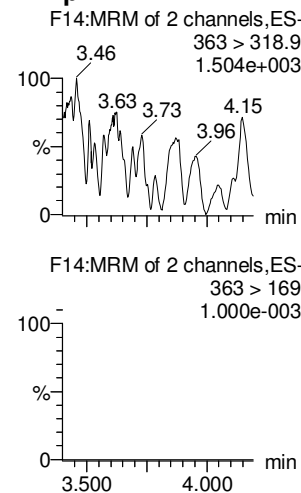
PFBS



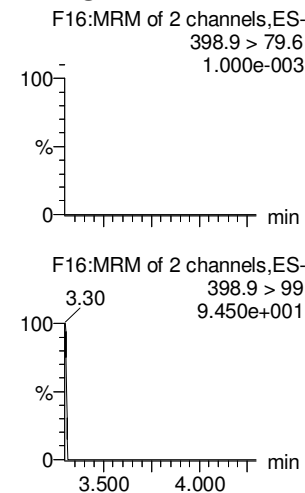
PFHxA



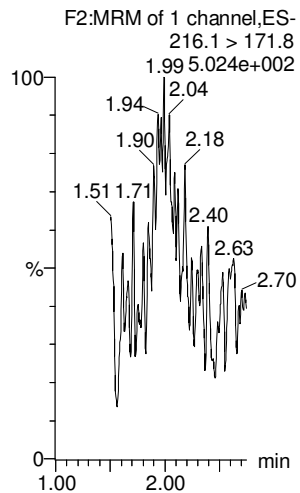
PFHpA



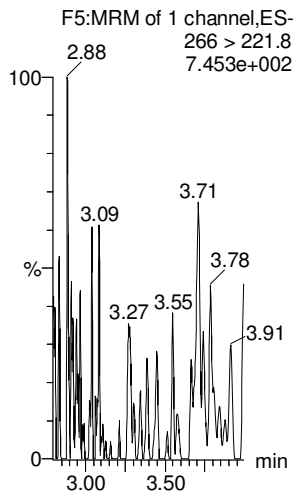
PFHxS



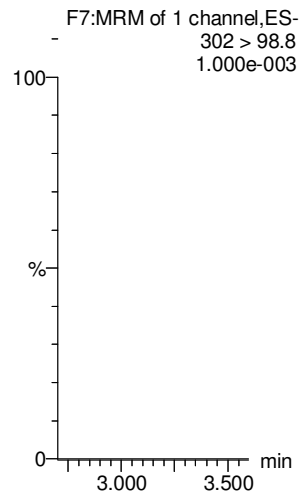
13C3-PFBA



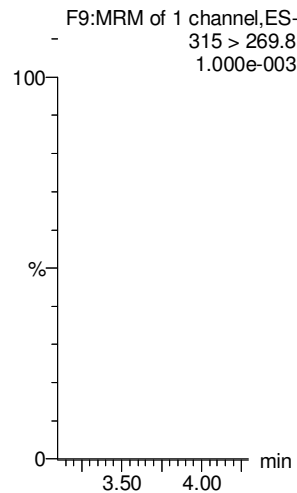
13C3-PFPeA



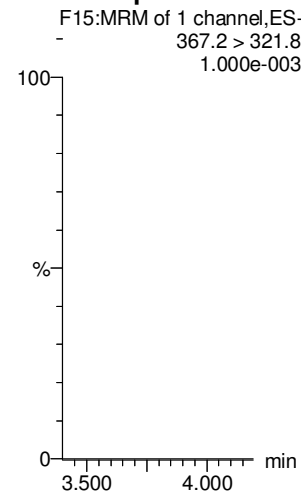
13C3-PFBS



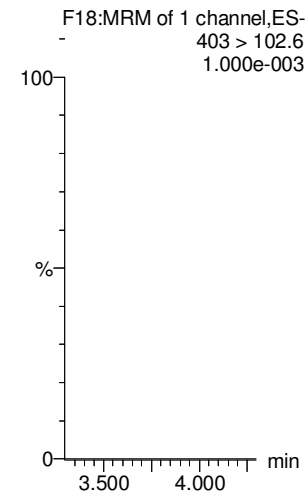
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



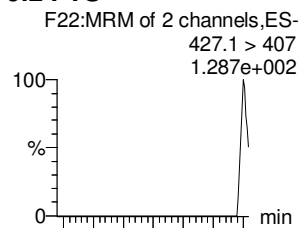
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Last Altered: Friday, August 11, 2017 10:12:48 Pacific Daylight Time

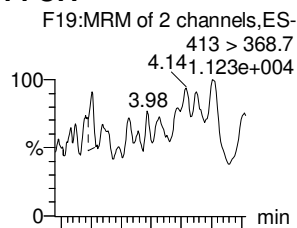
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Name: 170810M2_12, Date: 10-Aug-2017, Time: 22:19:51, ID: IPA, Description: IPA

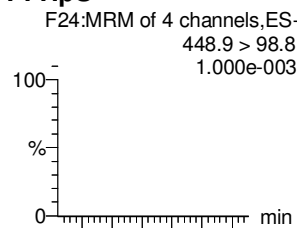
6:2 FTS



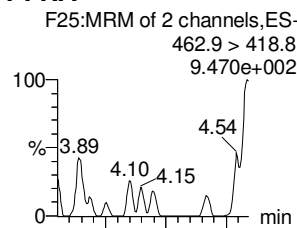
PFOA



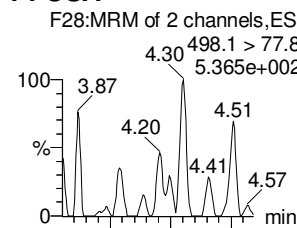
PFHpS



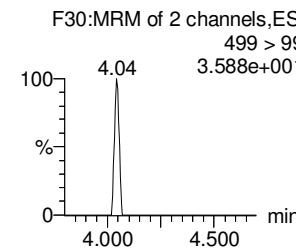
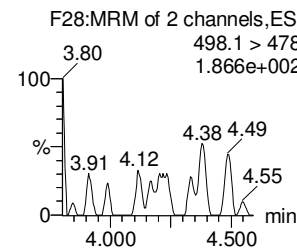
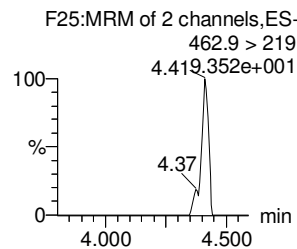
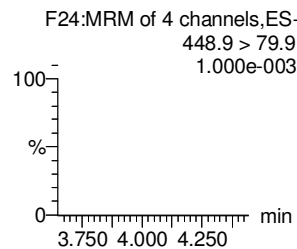
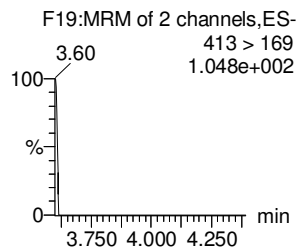
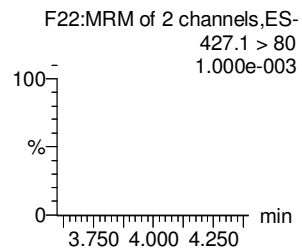
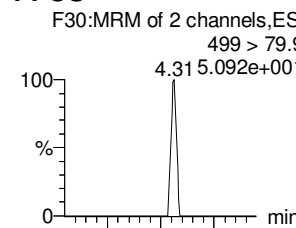
PFNA



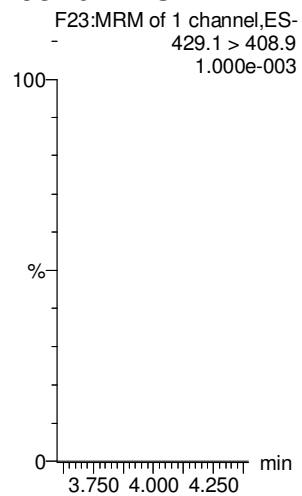
PFOSA



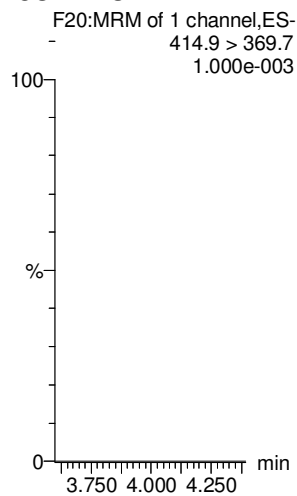
PFOS



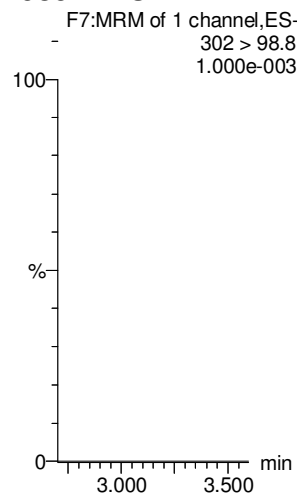
13C2-6:2 FTS



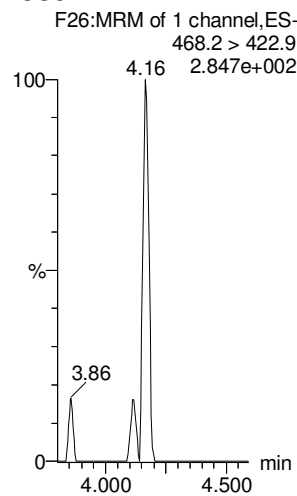
13C2-PFOA



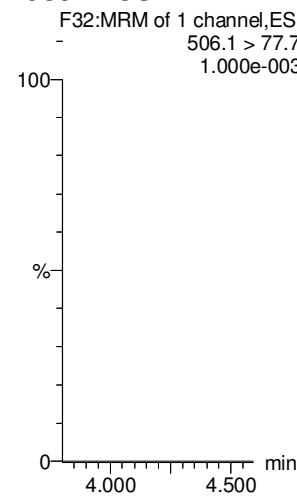
13C3-PFBS



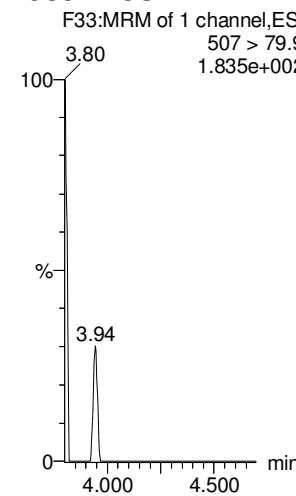
13C5-PFNA



13C8-PFOSA



13C8-PFOS



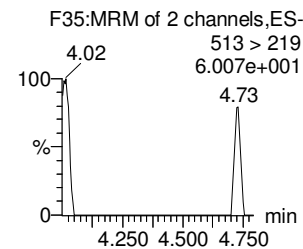
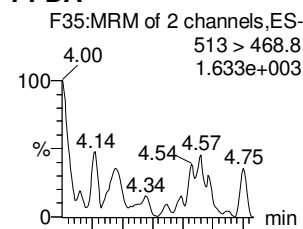
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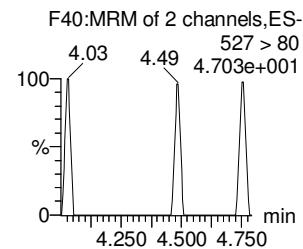
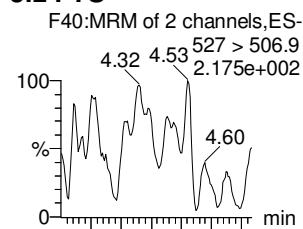
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Name: 170810M2_12, Date: 10-Aug-2017, Time: 22:19:51, ID: IPA, Description: IPA

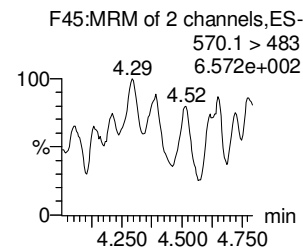
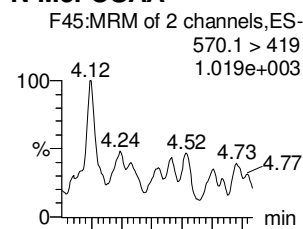
PFDA



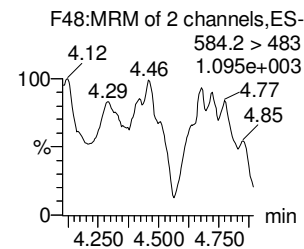
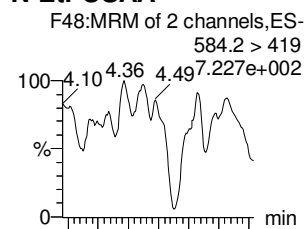
8:2 FTS



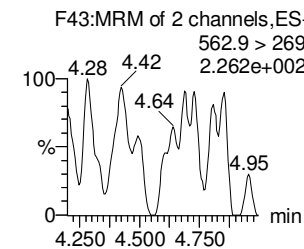
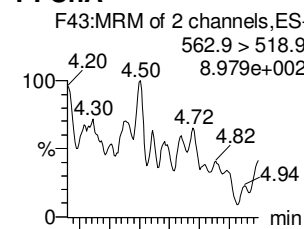
N-MeFOSAA



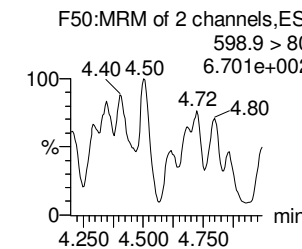
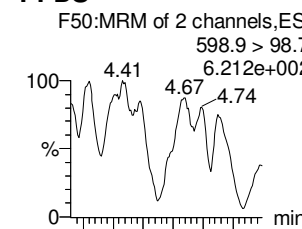
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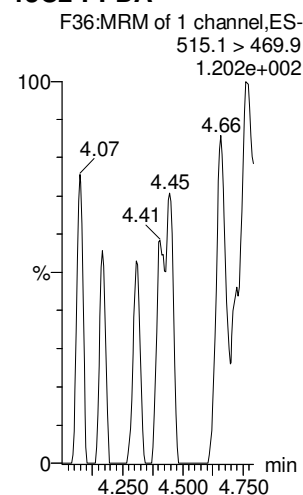
PFUnA



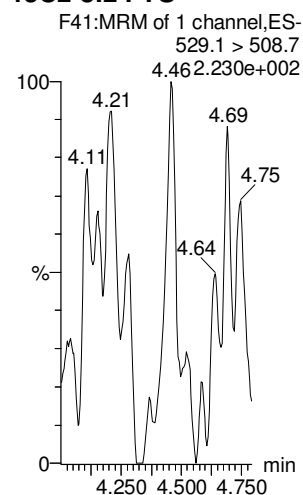
PFDS



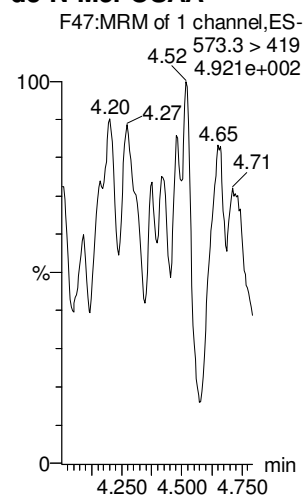
13C2-PFDA



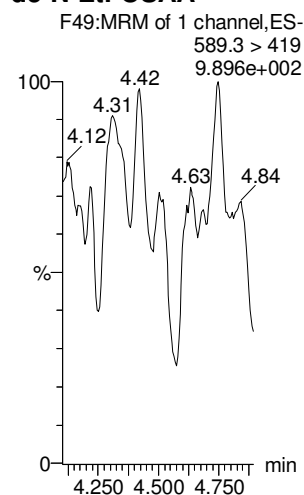
13C2-8:2 FTS



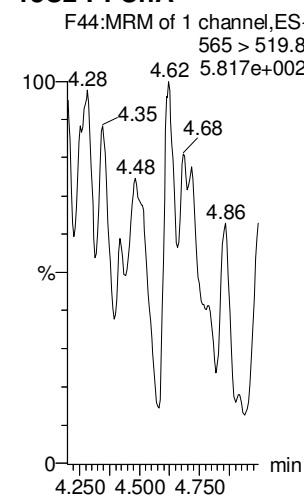
d3-N-MeFOSAA



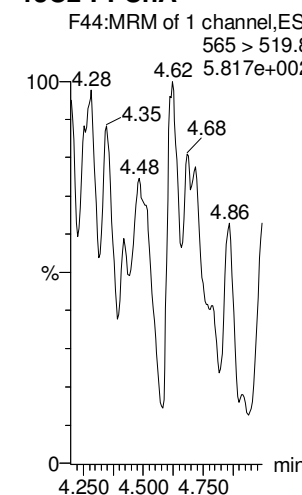
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA



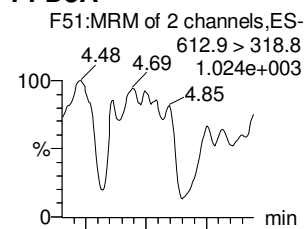
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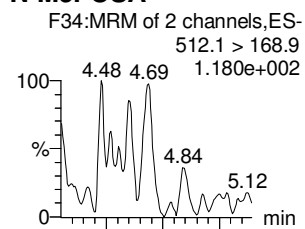
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Name: 170810M2_12, Date: 10-Aug-2017, Time: 22:19:51, ID: IPA, Description: IPA

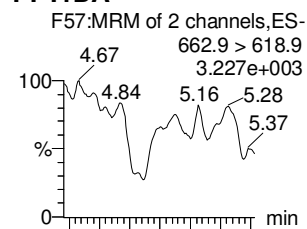
PFDoA



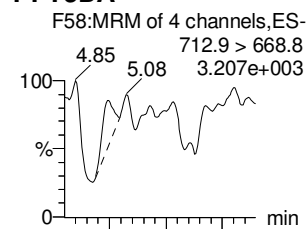
N-MeFOSA



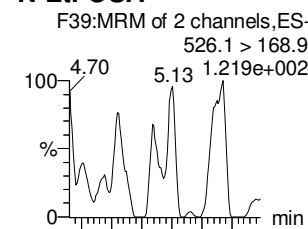
PFTrDA



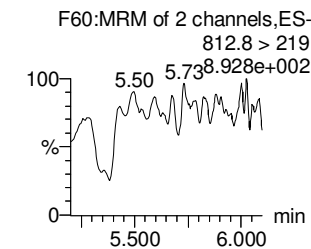
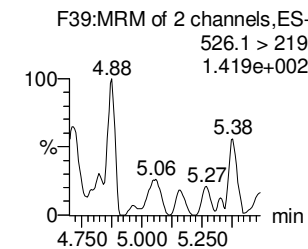
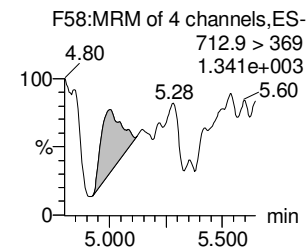
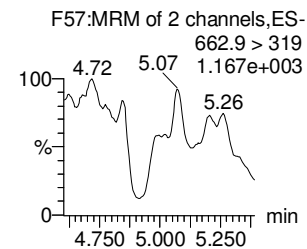
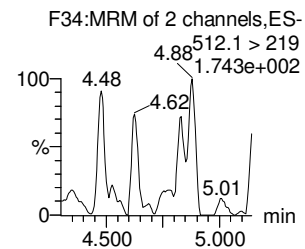
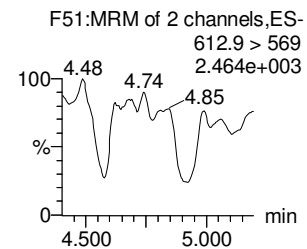
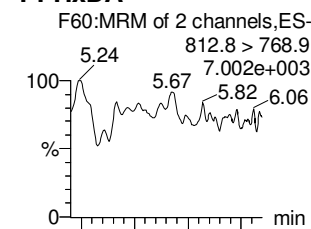
PFTeDA



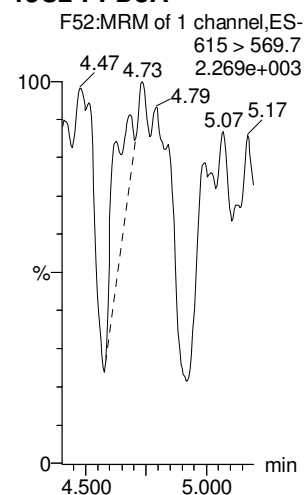
N-EtFOSA



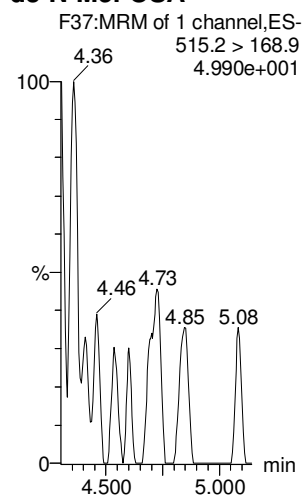
PFHxDA



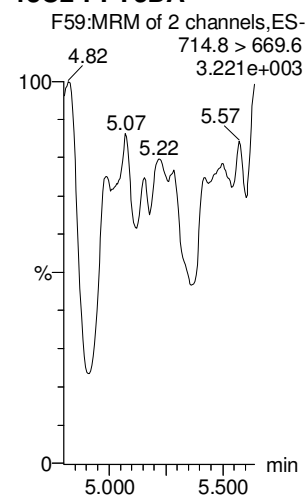
13C2-PFDoA



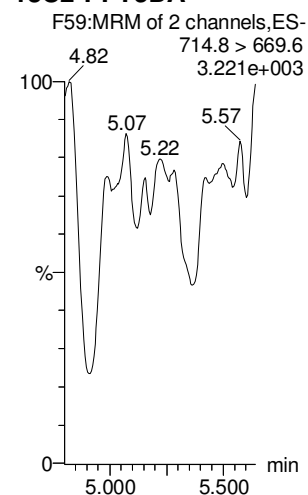
d3-N-MeFOSA



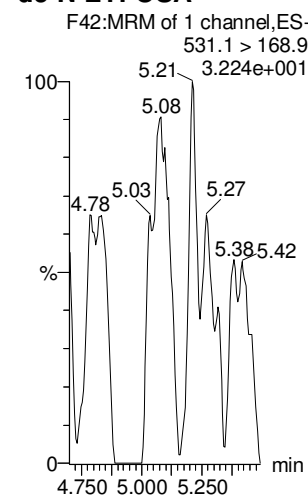
13C2-PFTeDA



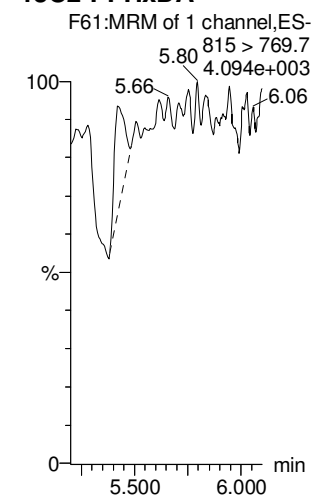
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



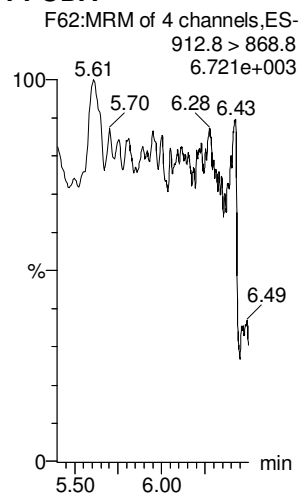
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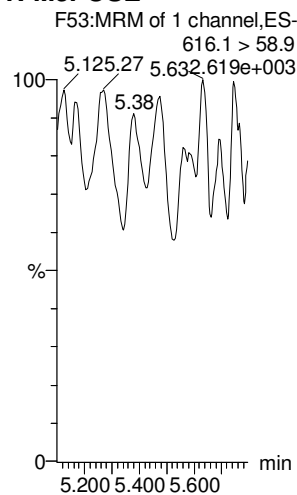
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Name: 170810M2_12, Date: 10-Aug-2017, Time: 22:19:51, ID: IPA, Description: IPA

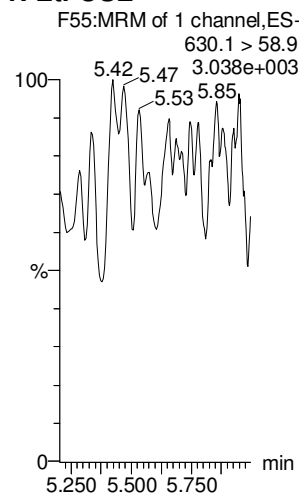
PFODA



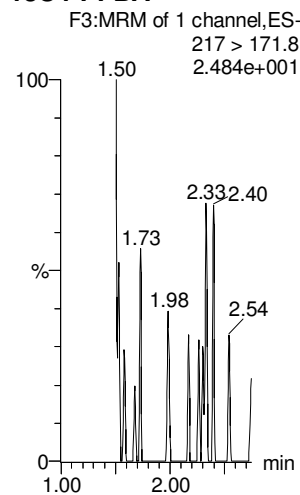
N-MeFOSE



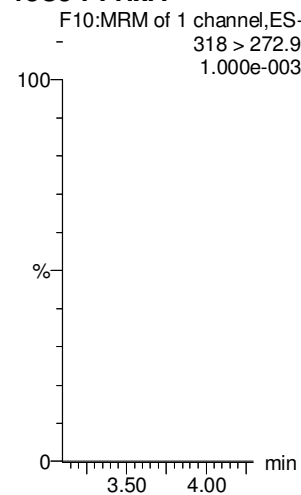
N-EtFOSE



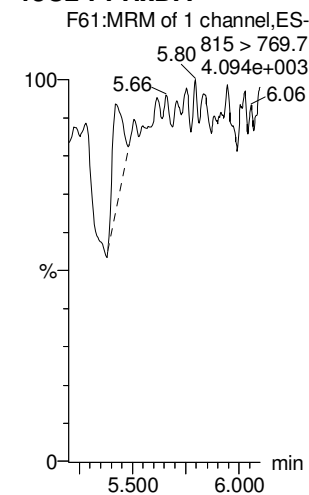
13C4-PFBA



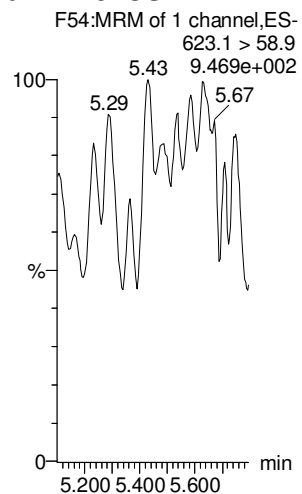
13C5-PFHxA



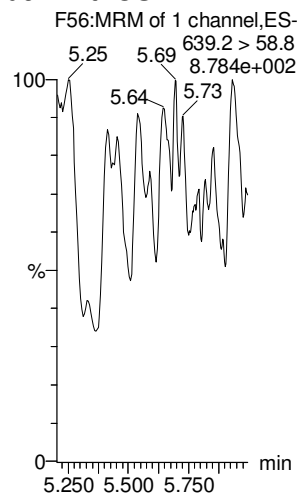
13C2-PFHxDA



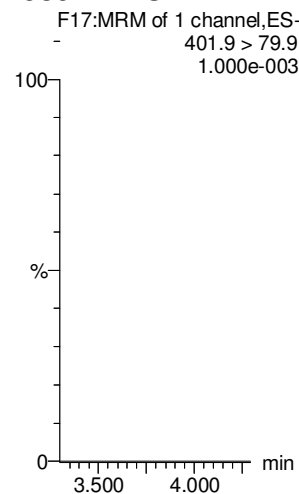
d7-N-MeFOSE



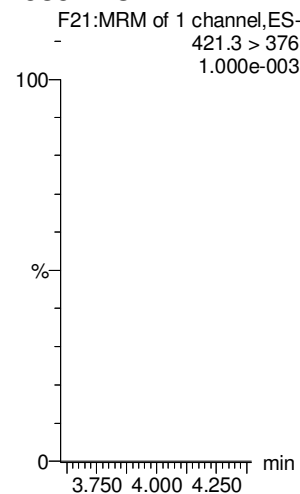
d9-N-EtFOSE



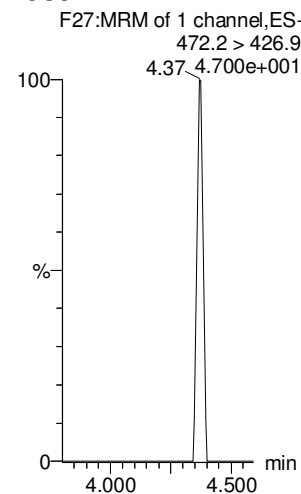
13C3-PFHxS



13C8-PFOA



13C9-PFNA



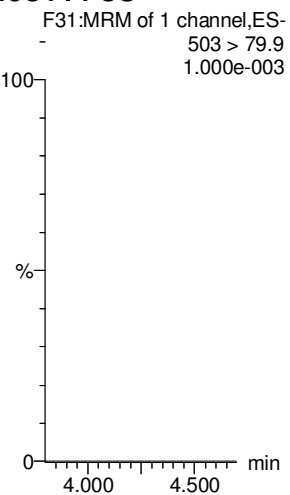
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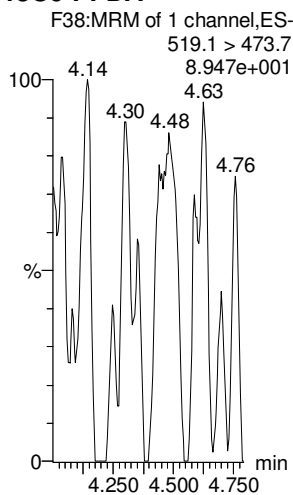
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Name: 170810M2_12, Date: 10-Aug-2017, Time: 22:19:51, ID: IPA, Description: IPA

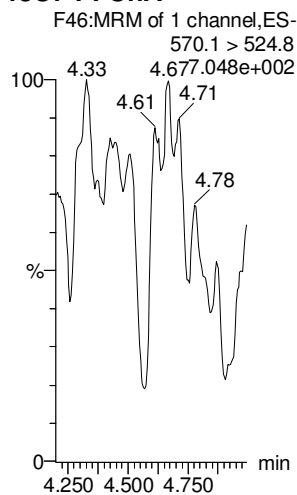
13C4-PFOS



13C6-PFDA



13C7-PFUnA



Dataset: U:\Q4.PRO\results\170810M1\170810M2-13.qld

Last Altered: Friday, August 11, 2017 10:32:47 Pacific Daylight Time

Printed: Friday, August 11, 2017 10:35:02 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-10-17.mdb 11 Aug 2017 08:55:25

Calibration: U:\Q4.PRO\CurveDB\IC18_VAL-PFAS_Q4_8-10-17-FULL.cdb 11 Aug 2017 09:29:36

Name: 170810M2_13, Date: 10-Aug-2017, Time: 22:30:29, ID: ICV170810M2-1 PFC ICV 17H1020, Description: PFC ICV 17H1020

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1	1 PFBA	213.0 > 168.8	1.58e4	1.65e4		1.90	1.90	11.9	10.9	108.9
2	2 PFPeA	263.1 > 218.9	2.50e4	3.00e4		3.00	2.93	10.4	10.9	109.1
3	3 PFBS	299 > 79.7	4.94e3	3.50e3		3.16	3.10	17.6	10.2	102.0
4	4 PFHxA	313.2 > 268.9	3.88e4	1.21e4		3.35	3.30	16.1	12.2	122.4
5	5 PFHpA	363 > 318.9	4.45e4	4.43e4		3.61	3.55	12.6	10.7	106.6
6	6 PFHxS	398.9 > 79.6	5.19e3	3.78e3		3.65	3.62	17.2	9.76	97.6
7	7 6:2 FTS	427.1 > 407	8.64e3	1.08e4		3.80	3.74	10.0	10.7	107.4
8	8 PFOA	413 > 368.7	5.53e4	6.29e4		3.82	3.75	11.0	11.1	110.5
9	9 PFHpS	448.9 > 98.8	4.60e3	6.29e4		3.80	3.82	0.914	11.5	115.2
10	10 PFNA	462.9 > 418.8	5.12e4	5.49e4		4.02	3.95	11.7	11.4	113.9
11	11 PFOSA	498.1 > 77.8	6.91e3	7.39e3		4.05	3.96	11.7	11.1	111.0
12	12 PFOS	499 > 79.9	9.36e3	1.10e4		4.07	4.01	10.6	9.98	99.8
13	13 PFDA	513 > 468.8	5.63e4	5.29e4		4.21	4.13	13.3	11.7	116.5
14	14 8:2 FTS	527 > 506.9	9.04e3	7.56e3		4.20	4.12	14.9	10.8	108.3
15	15 N-MeFOSAA	570.1 > 419	1.62e4	1.27e4		4.23	4.16	208	10.8	107.7
16	16 N-EtFOSAA	584.2 > 419	1.43e4	1.37e4		4.30	4.23	170	10.8	108.4
17	17 PFUnA	562.9 > 518.9	4.38e4	6.22e4		4.38	4.30	8.80	10.8	107.9
18	18 PFDS	598.9 > 98.7	4.05e3	6.22e4		4.40	4.35	0.815	9.87	98.7
19	19 PFDoA	612.9 > 318.8	4.95e3	6.76e3		4.58	4.48	9.16	10.9	109.4
20	20 N-MeFOSA	512.1 > 168.9		3.08e4		4.56				
21	21 PFTrDA	662.9 > 618.9	6.41e4	6.76e3		4.78	4.66	118	11.7	117.0
22	22 PFTeDA	712.9 > 668.8	4.52e4	4.45e4		4.97	4.86	12.7	11.1	110.9
23	23 N-EtFOSA	526.1 > 168.9		3.80e4		5.03				
24	24 PFHxDA	812.8 > 768.9	2.74e2	2.09e4		5.37	5.24	0.0656		
25	25 PFODA	912.8 > 868.8	3.35e2	2.09e4		5.60	5.60	0.0800		
26	26 N-MeFOSE	616.1 > 58.9		4.35e4		5.30				
27	27 N-EtFOSE	630.1 > 58.9		4.17e4		5.40				
28	28 13C3-PFBA	216.1 > 171.8	1.65e4	1.87e4	0.906	1.90	1.90	11.1	12.2	97.6
29	29 13C3-PFPeA	266 > 221.8	3.00e4	4.18e4	0.284	2.99	2.94	3.59	12.6	101.1
30	30 13C3-PFBS	302 > 98.8	3.50e3	4.18e4	0.033	3.15	3.10	0.418	12.7	101.8
31	31 13C2-PFHxA	315 > 269.8	1.21e4	4.18e4	0.304	3.35	3.30	1.44	4.75	94.9

70-130
50-50

DM
8/11/17

Work Order 1701038
Present ICV standard - dm 8/11/17

Dataset: U:\Q4.PRO\results\170810M1\170810M2-13.qld

Last Altered: Friday, August 11, 2017 10:32:47 Pacific Daylight Time

Printed: Friday, August 11, 2017 10:35:02 Pacific Daylight Time

Name: 170810M2_13, Date: 10-Aug-2017, Time: 22:30:29, ID: ICV170810M2-1 PFC ICV 17H1020, Description: PFC ICV 17H1020

#	Name	Trace	Area	IS Area	RRF	Pred RT	RT	y Axis Resp	Conc.	%Rec
32	32 13C4-PFHpA	367.2 > 321.8	4.43e4	4.18e4	0.384	3.61	3.55	5.29	13.8	110.2
33	33 18O2-PFHxS	403 > 102.6	3.78e3	8.56e3	0.417	3.68	3.62	5.52	13.2	105.8
34	34 13C2-6:2 FTS	429.1 > 408.9	1.08e4	6.07e4	0.202	3.80	3.75	2.22	11.0	88.1
35	35 13C2-PFOA	414.9 > 369.7	6.29e4	6.07e4	1.132	3.82	3.75	12.9	11.4	91.5
36	36 13C5-PFNA	468.2 > 422.9	5.49e4	6.37e4	0.946	4.02	3.95	10.8	11.4	91.0
37	37 13C8-PFOA	506.1 > 77.7	7.39e3	6.42e4	0.119	4.08	3.96	1.44	12.0	96.4
38	38 13C8-PFOS	507 > 79.9	1.10e4	1.05e4	1.040	4.07	4.01	13.1	12.6	101.1
39	39 13C2-PFDA	515.1 > 469.9	5.29e4	5.81e4	0.971	4.21	4.13	11.4	11.7	93.9
40	40 13C2-8:2 FTS	529.1 > 508.7	7.56e3	5.81e4	0.140	4.20	4.12	1.63	11.6	92.8
41	41 d3-N-MeFOSAA	573.3 > 419	1.27e4	6.42e4	0.018	4.23	4.16	2.47	139	85.4
42	42 d5-N-EiFOSAA	589.3 > 419	1.37e4	6.42e4	0.018	4.30	4.22	2.67	146	90.1
43	43 13C2-PFUnA	565 > 519.8	6.22e4	6.42e4	1.085	4.38	4.30	12.1	11.1	89.2
44	44 13C2-PFDoA	615 > 569.7	6.76e3	6.42e4	0.123	4.58	4.48	1.32	10.7	85.5
45	45 d3-N-MeFOSA	515.2 > 168.9	3.08e4	6.42e4	0.043	4.56	4.53	5.99	138	92.3
46	46 13C2-PFTeDA	714.8 > 669.6	4.45e4	6.42e4	0.798	4.97	4.86	8.67	10.9	86.9
47	47 d5-N-ETFOSA	531.1 > 168.9	3.80e4	6.42e4	0.056	5.03	4.97	7.40	133	88.6
48	48 13C2-PFHxDA	815 > 769.7	2.09e4	6.42e4	0.926	5.37	5.24	4.07	4.40	87.9
49	49 d7-N-MeFOSE	623.1 > 58.9	4.35e4	6.42e4	0.059	5.30	5.24	8.46	142	94.9
50	50 d9-N-EiFOSE	639.2 > 58.8	4.17e4	6.42e4	0.059	5.40	5.41	8.12	137	91.1
51	51 13C4-PFBA	217 > 171.8	1.87e4	1.87e4	1.000	1.90	1.90	12.5	12.5	100.0
52	52 13C5-PFHxA	318 > 272.9	4.18e4	4.18e4	1.000	3.35	3.30	5.00	5.00	100.0
53	53 13C3-PFHxS	401.9 > 79.9	8.56e3	8.56e3	1.000	3.68	3.62	12.5	12.5	100.0
54	54 13C8-PFOA	421.3 > 376	6.07e4	6.07e4	1.000	3.82	3.76	12.5	12.5	100.0
55	55 13C9-PFNA	472.2 > 426.9	6.37e4	6.37e4	1.000	4.02	3.95	12.5	12.5	100.0
56	56 13C4-PFOS	503 > 79.9	1.05e4	1.05e4	1.000	4.07	4.01	12.5	12.5	100.0
57	57 13C6-PFDA	519.1 > 473.7	5.81e4	5.81e4	1.000	4.21	4.13	12.5	12.5	100.0
58	58 13C7-PFUnA	570.1 > 524.8	6.42e4	6.42e4	1.000	4.38	4.30	12.5	12.5	100.0

9-150

Ⓟ out of window, not used. on 8/11/17

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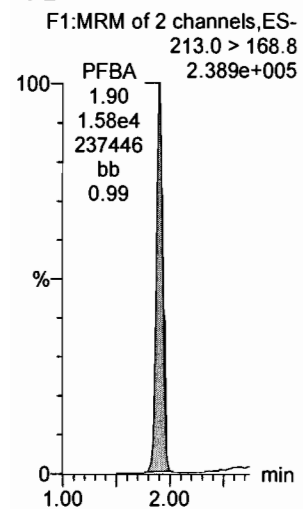
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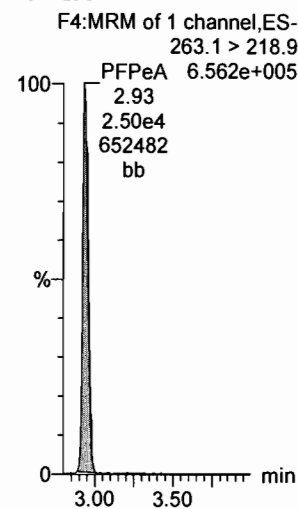
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Name: 170810M2_13, Date: 10-Aug-2017, Time: 22:30:29, ID: ICV170810M2-1 PFC ICV 17H1020, Description: PFC ICV 17H1020

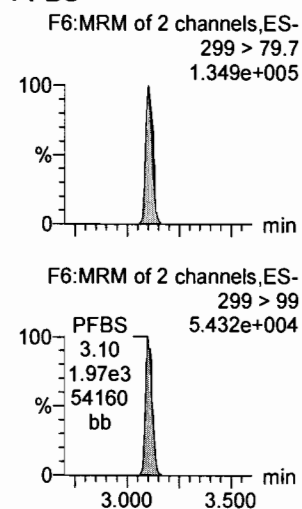
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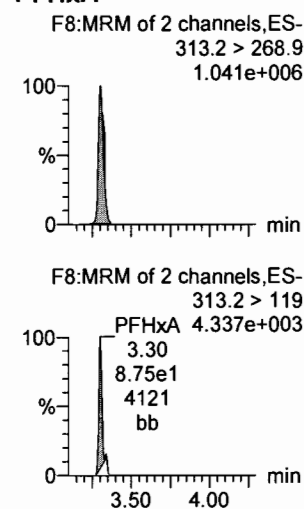
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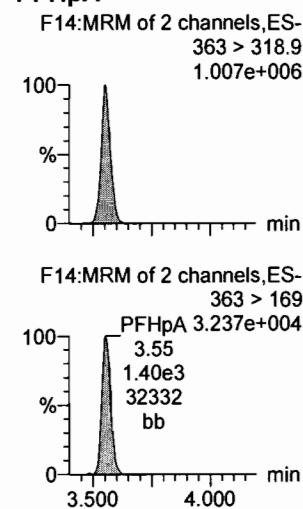
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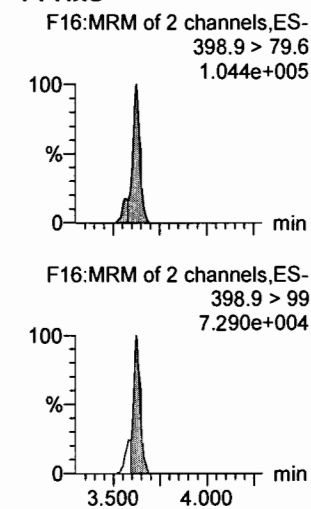
PFHxA



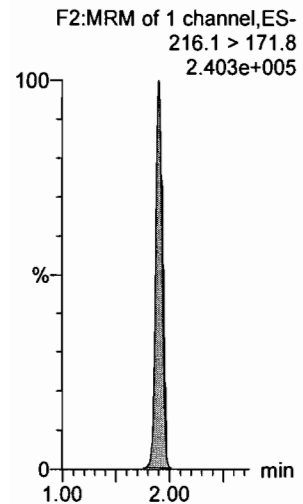
PFHpA



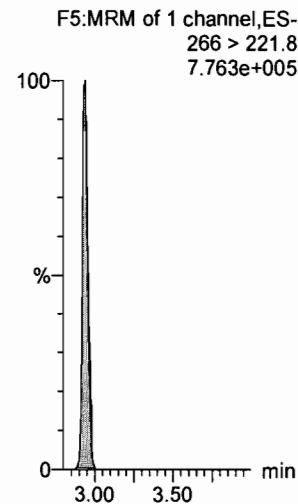
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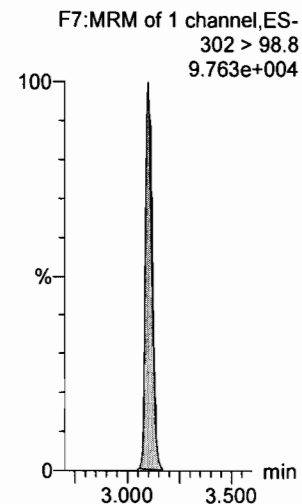
13C3-PFBA



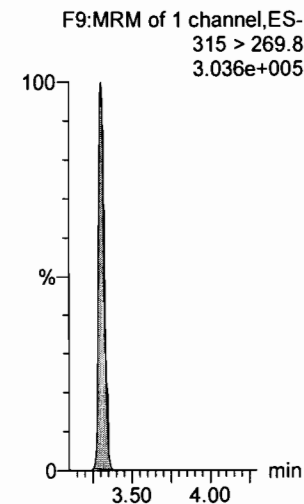
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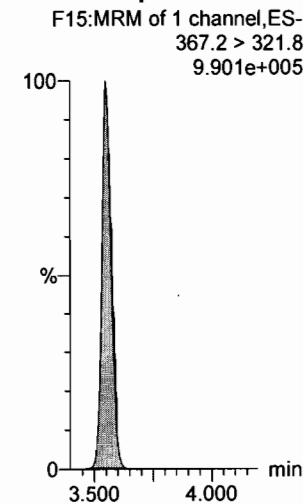
13C3-PFBS



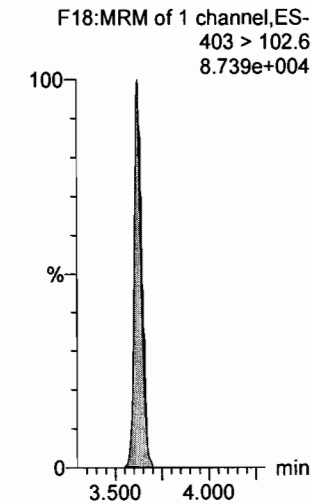
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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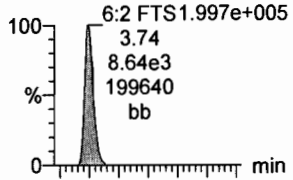
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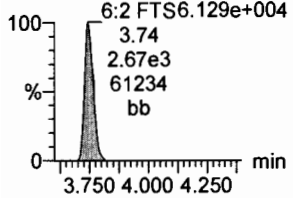
Name: 170810M2_13, Date: 10-Aug-2017, Time: 22:30:29, ID: ICV170810M2-1 PFC ICV 17H1020, Description: PFC ICV 17H1020

6:2 FTS

F22:MRM of 2 channels,ES-
427.1 > 407

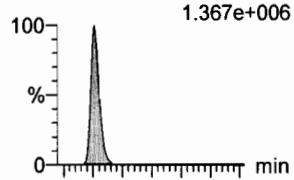


F22:MRM of 2 channels,ES-
427.1 > 80

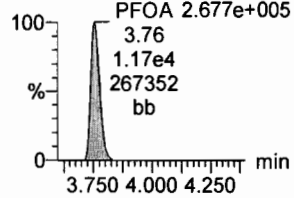


PFOA

F19:MRM of 2 channels,ES-
413 > 368.7

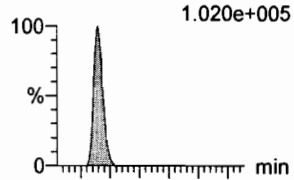


F19:MRM of 2 channels,ES-
413 > 169

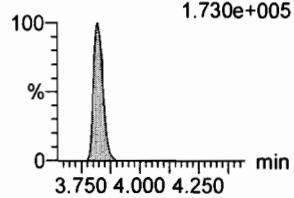


PFHpS

F24:MRM of 4 channels,ES-
448.9 > 98.8

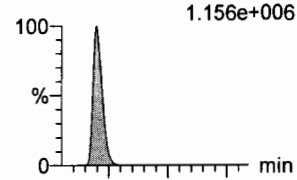


F24:MRM of 4 channels,ES-
448.9 > 79.9

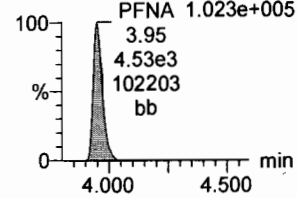


PFNA

F25:MRM of 2 channels,ES-
462.9 > 418.8

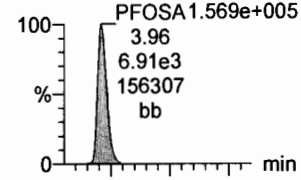


F25:MRM of 2 channels,ES-
462.9 > 219

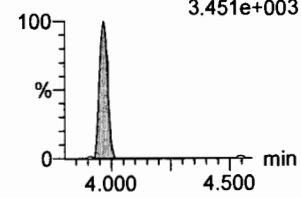


PFOSA

F28:MRM of 2 channels,ES-
498.1 > 77.8

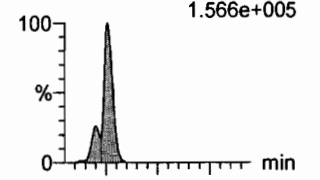


F28:MRM of 2 channels,ES-
498.1 > 478

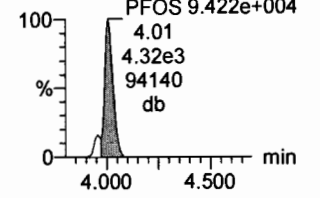


PFOS

F30:MRM of 2 channels,ES-
499 > 79.9

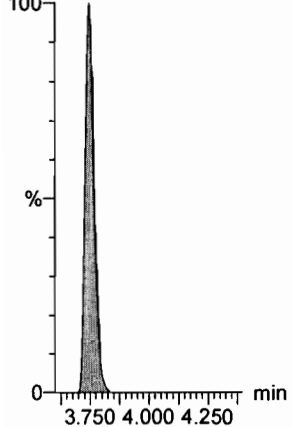


F30:MRM of 2 channels,ES-
499 > 99



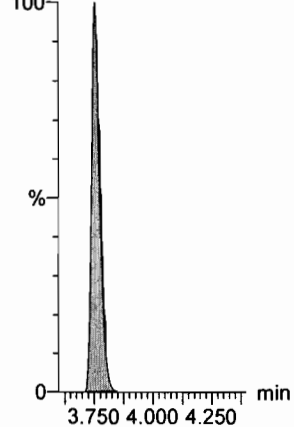
13C2-6:2 FTS

F23:MRM of 1 channel,ES-
429.1 > 408.9



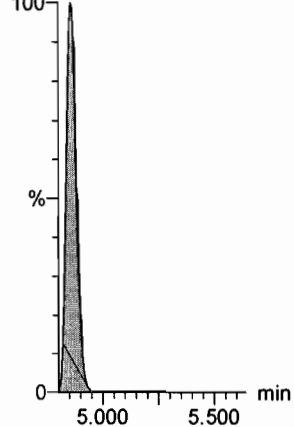
13C2-PFOA

F20:MRM of 1 channel,ES-
414.9 > 369.7



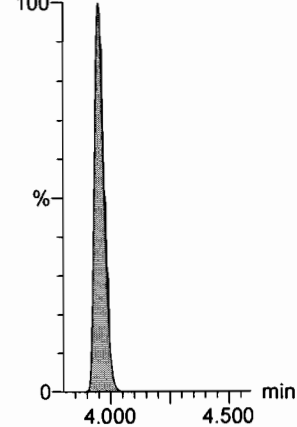
13C2-PFTeDA

F59:MRM of 2 channels,ES-
714.8 > 669.6



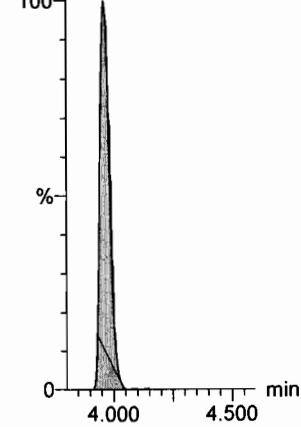
13C5-PFNA

F26:MRM of 1 channel,ES-
468.2 > 422.9



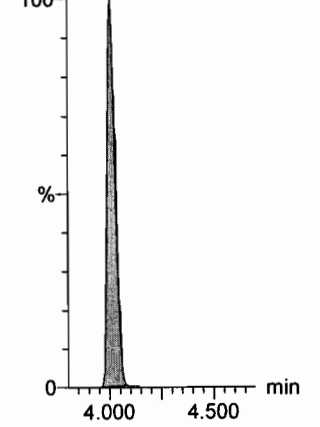
13C8-PFOA

F32:MRM of 1 channel,ES-
506.1 > 77.7



13C8-PFOS

F33:MRM of 1 channel,ES-
507 > 79.9

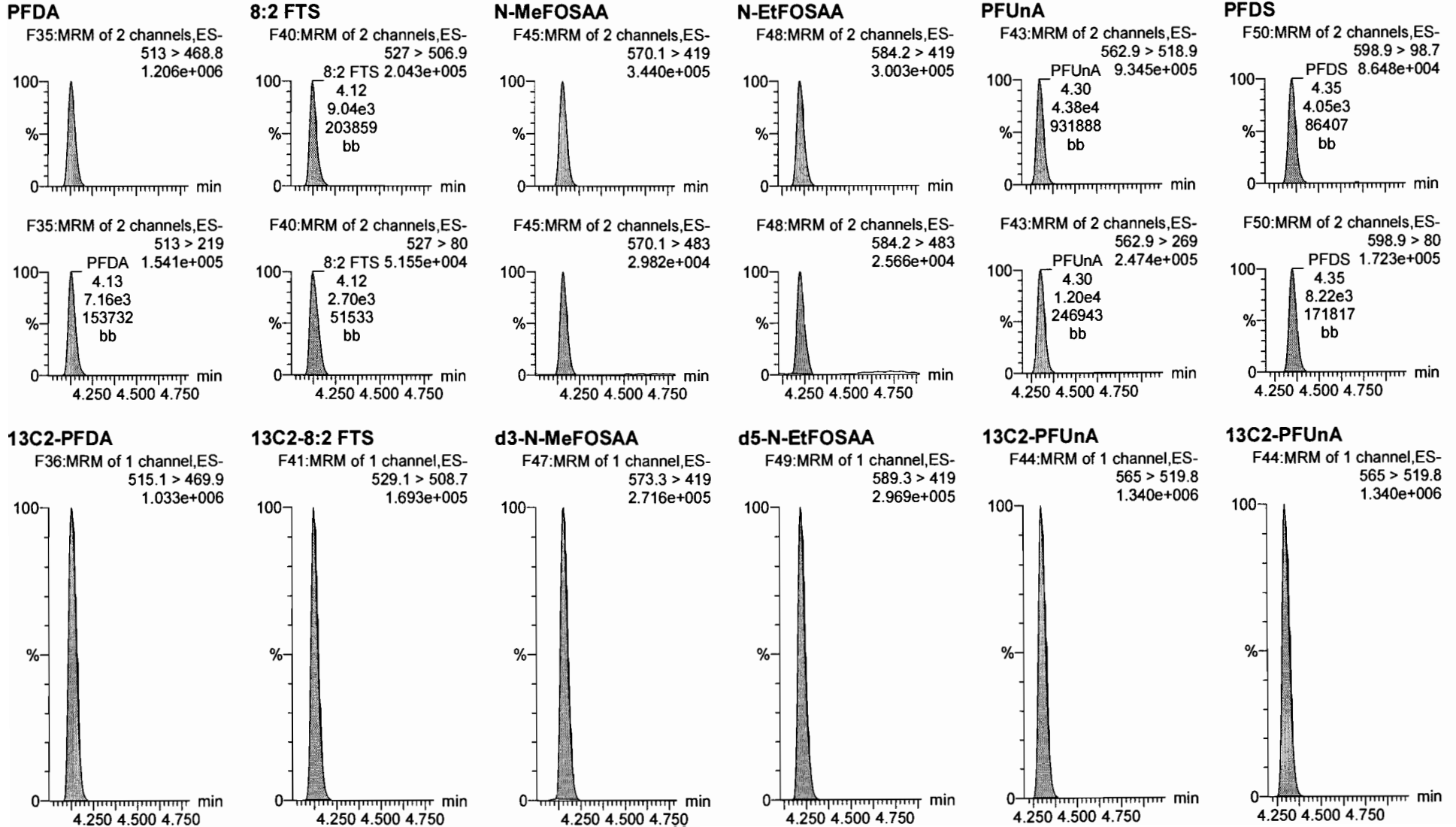


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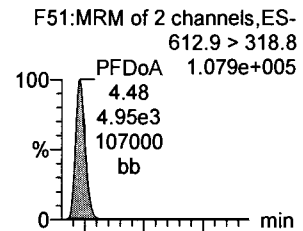
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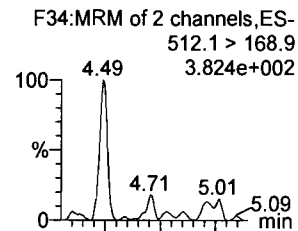
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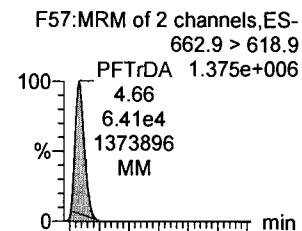
PFDoA



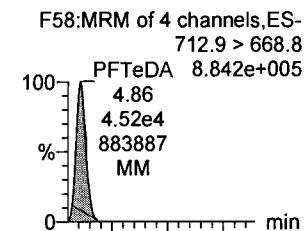
N-MeFOSA



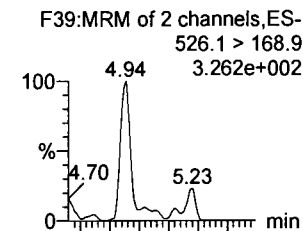
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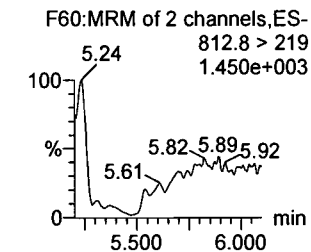
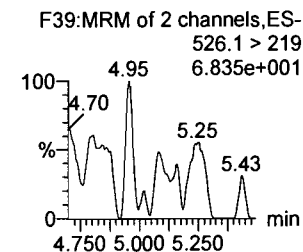
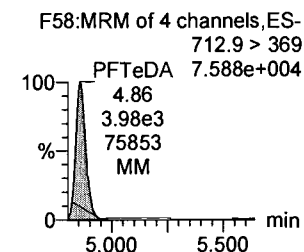
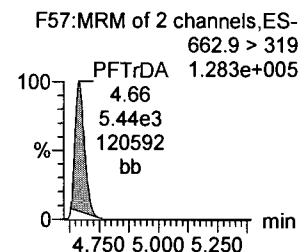
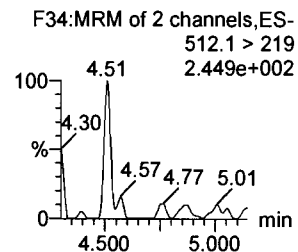
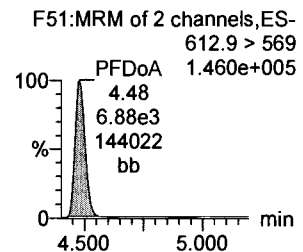
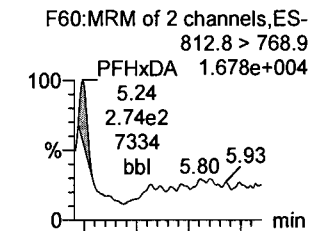
PFTeDA



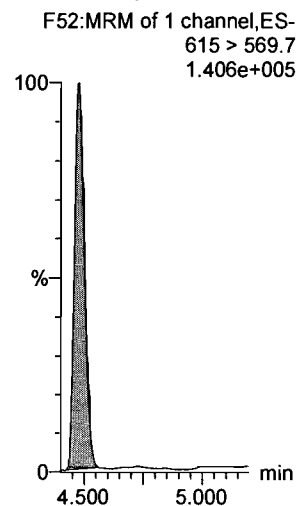
N-EtFOSA



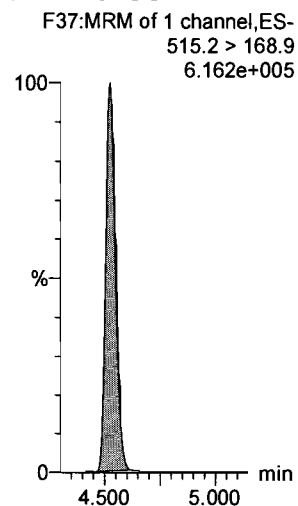
PFHxDA



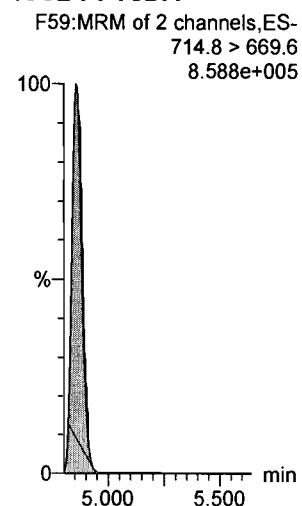
13C2-PFDoA



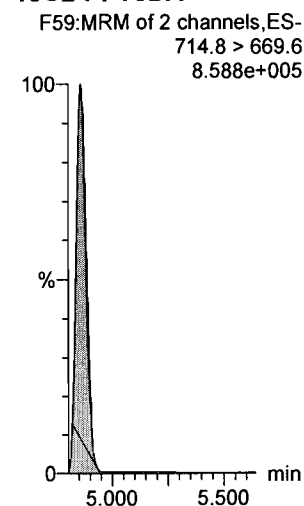
d3-N-MeFOSA



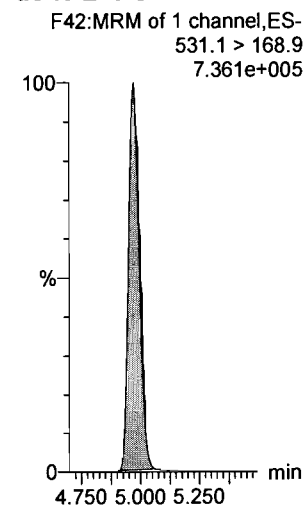
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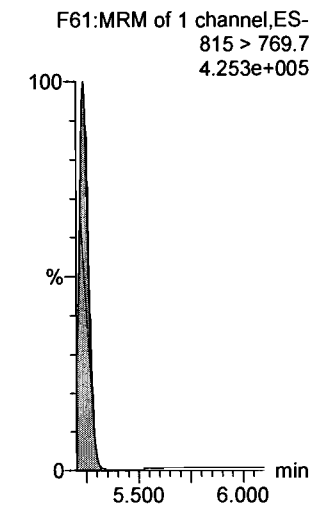
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d5-N-ETFOSA



13C2-PFHxDA

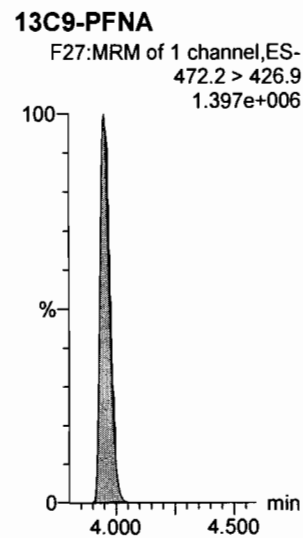
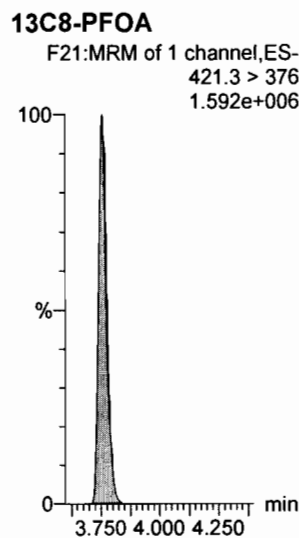
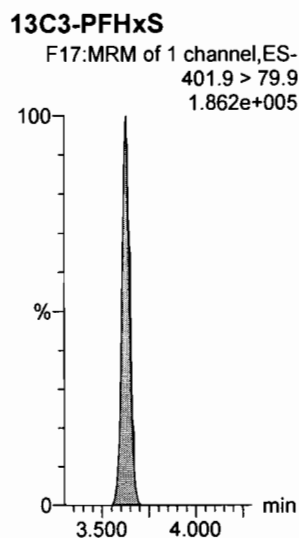
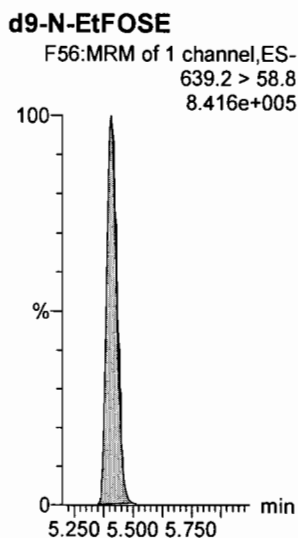
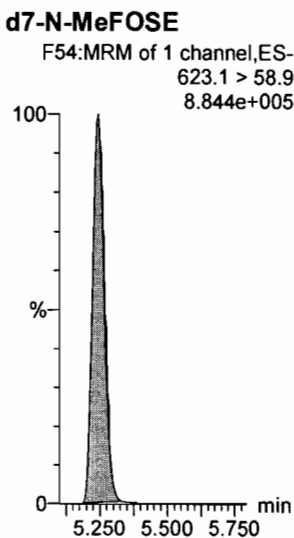
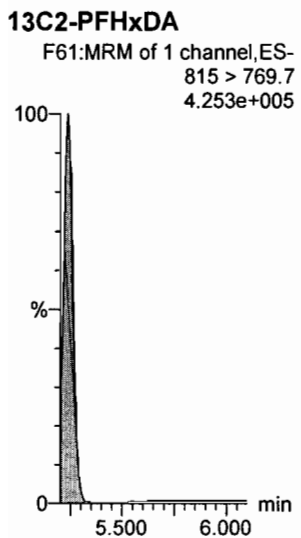
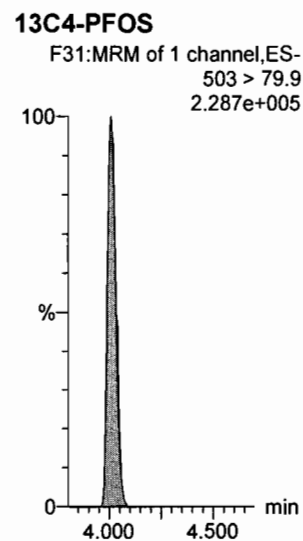
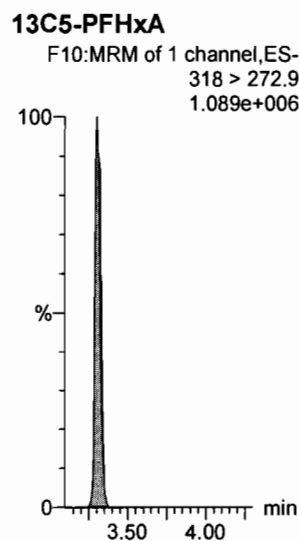
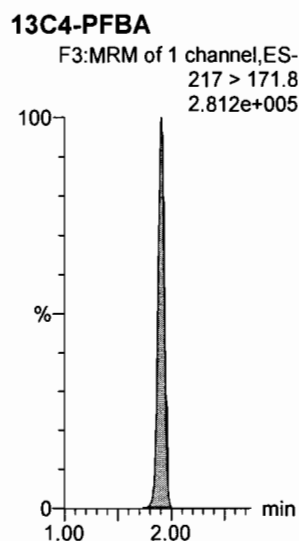
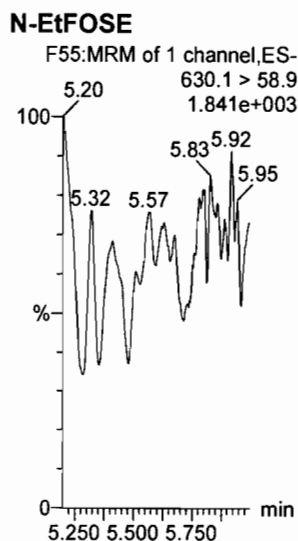
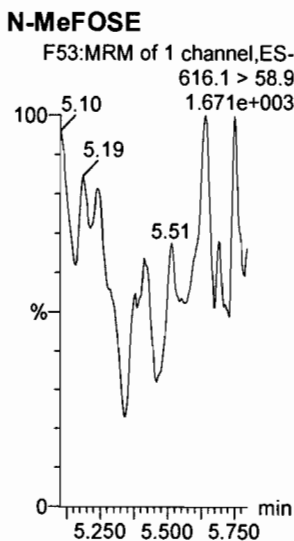
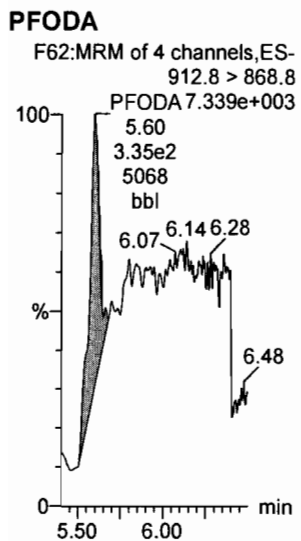


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Last Altered: Friday, August 11, 2017 10:32:47 Pacific Daylight Time

Printed: Friday, August 11, 2017 10:35:02 Pacific Daylight Time

Name: 170810M2_13, Date: 10-Aug-2017, Time: 22:30:29, ID: ICV170810M2-1 PFC ICV 17H1020, Description: PFC ICV 17H1020



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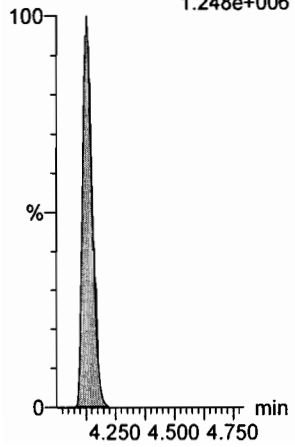
Last Altered: Friday, August 11, 2017 10:32:47 Pacific Daylight Time

Printed: Friday, August 11, 2017 10:35:02 Pacific Daylight Time

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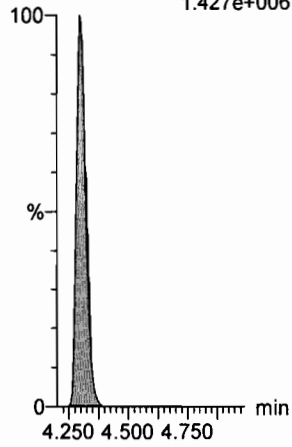
13C6-PFDA

F38:MRM of 1 channel,ES-
519.1 > 473.7
1.248e+006



13C7-PFUnA

F46:MRM of 1 channel,ES-
570.1 > 524.8
1.427e+006



**DATA VALIDATION SUMMARY REPORT
NAS OCEANA, VIRGINIA BEACH, VIRGINIA**

Client: CH2M HILL, Inc., Virginia Beach, Virginia
SDG: 1701038
Laboratory: Vista Analytical Laboratory, El Dorado Hills, California
Site: NAS Oceana, Virginia Beach, Virginia, CTO-WE14
Date: September 20, 2017

PFCs			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-BG04R-0817	1701038-01	Water
2	OC-EB081017	1701038-02	Water

A full data validation was performed on the analytical data for one water sample and one aqueous equipment blank sample collected on August 10, 2017 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 Superfund Organic Methods Data Review," August 2014;
- 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. All criteria were met.

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-EB081017	None - ND	-	-	-

Internal Standards

- According to the case narrative, the samples were re-injected because the internal standard response areas were outside of criteria. The sample results have been reported from the second injection which passed the area criteria. No action was taken on this basis.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

- The LCS/LCSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 9/20/17
Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

Sample ID: MW-BG04R-0817		Modified EPA Method 537				
Client Data		Sample Data	Laboratory Data			
Name:	CH2M Hill	Matrix:	Lab Sample: 1701038-01			
Project:	NAS Oceana PFOS	Sample Size:	QC Batch: B7H0078			
Date Collected:	10-Aug-2017 10:10		Date Analyzed: 15-Aug-17 18:01			
Location:			Column: BEH C18			
			Date Received: 11-Aug-2017 9:29			
			Date Extracted: 14-Aug-2017 9:21			
Analyte	Conc. (ng/L)	DL	Labeled Standard	%R	LCL-UCL	Qualifiers
PFBS	8.67	1.92	IS 13C3-PFBS	128	50- 150	
PFHpA	2.72	0.634	IS 13C4-PFHpA	76.6	50- 150	J
PFHxS	28.3	1.02	IS 18O2-PFHxS	109	50- 150	
PFOA	4.72	0.699	IS 13C2-PFOA	96.4	50- 150	J
PFOS	ND	0.866	IS 13C8-PFOS	104	50- 150	
PFNA	ND	0.869	IS 13C5-PFNA	97.7	50- 150	

LCL-UCL - Lower control limit - upper control limit
 Results reported to DL
 When reported, PFBS, PFHxS, PFOA and PFOS include both linear and branched isomers
 Only the linear isomer is reported for all other analytes

NW 9/20/17

Sample ID: OC-EB081017				Modified EPA Method 537					
Client Data		Sample Data		Laboratory Data					
Name:	CH2M Hill	Matrix:	Groundwater	Lab Sample:	1701038-02	Date Received:	11-Aug-2017 9:29		
Project:	NAS Oceana PFOS	Sample Size:	0.117 L	QC Batch:	B7H0078	Date Extracted:	14-Aug-2017 9:21		
Date Collected:	10-Aug-2017 10:15			Date Analyzed:	15-Aug-17 18:11	Column:	BEH C18		
Location:									
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFBS	ND	1.91	5.34	8.53		IS 13C3-PFBS	119	50- 150	
PFHpA	ND	0.630	5.34	8.53		IS 13C4-PFHpA	79.1	50- 150	
PFHxS	ND	1.01	5.34	8.53		IS 18O2-PFHxS	105	50- 150	
PFOA	ND	0.694	5.34	8.53		IS 13C2-PFOA	94.6	50- 150	
PFOS	ND	0.861	5.34	8.53		IS 13C8-PFOS	94.5	50- 150	
PFNA	ND	0.864	5.34	8.53		IS 13C5-PFNA	92.9	50- 150	

LCL-UCL - Lower control limit - upper control limit
 Results reported to DL
 When reported, PFBS, PFHxS, PFOA and PFOS include both linear and branched isomers
 Only the linear isomer is reported for all other analytes

new 9/20/17

LOCATION_NAME	SITE_NAME	INSTALLATION_ID	LOCATION_TYPE	LOCATION_TYPE_DESC	SDG	COORD_X	COORD_Y	ANALYTICAL_METHOD_GRP_DESC	SAMPLE_NAME	SAMPLE_MATRIX	SAMPLE_MATRIX_DESC	COLLECT_DATE
MW-BG04R	BACKGROUND	OCEANA_NAS	WLM	Monitoring well	1701038	12213364.5	3464716.6	Perfluoroalkyl Compounds	0817	WG	Ground water	10-Aug-17
		OCEANA_NAS			1701038			Perfluoroalkyl Compounds	OC-EB081017	WQ	Water for QC samples	10-Aug-17
MW-BG04R	BACKGROUND	OCEANA_NAS	WLM	Monitoring well	1701038	12213364.5	3464716.6	Perfluoroalkyl Compounds	0817	WG	Ground water	10-Aug-17
MW-BG04R	BACKGROUND	OCEANA_NAS	WLM	Monitoring well	1701038	12213364.5	3464716.6	Perfluoroalkyl Compounds	0817	WG	Ground water	10-Aug-17
		OCEANA_NAS			1701038			Perfluoroalkyl Compounds	OC-EB081017	WQ	Water for QC samples	10-Aug-17
MW-BG04R	BACKGROUND	OCEANA_NAS	WLM	Monitoring well	1701038	12213364.5	3464716.6	Perfluoroalkyl Compounds	0817	WG	Ground water	10-Aug-17
MW-BG04R	BACKGROUND	OCEANA_NAS	WLM	Monitoring well	1701038	12213364.5	3464716.6	Perfluoroalkyl Compounds	0817	WG	Ground water	10-Aug-17
		OCEANA_NAS			1701038			Perfluoroalkyl Compounds	OC-EB081017	WQ	Water for QC samples	10-Aug-17
MW-BG04R	BACKGROUND	OCEANA_NAS	WLM	Monitoring well	1701038	12213364.5	3464716.6	Perfluoroalkyl Compounds	0817	WG	Ground water	10-Aug-17
		OCEANA_NAS			1701038			Perfluoroalkyl Compounds	OC-EB081017	WQ	Water for QC samples	10-Aug-17
		OCEANA_NAS			1701038			Perfluoroalkyl Compounds	OC-EB081017	WQ	Water for QC samples	10-Aug-17
		OCEANA_NAS			1701038			Perfluoroalkyl Compounds	OC-EB081017	WQ	Water for QC samples	10-Aug-17