

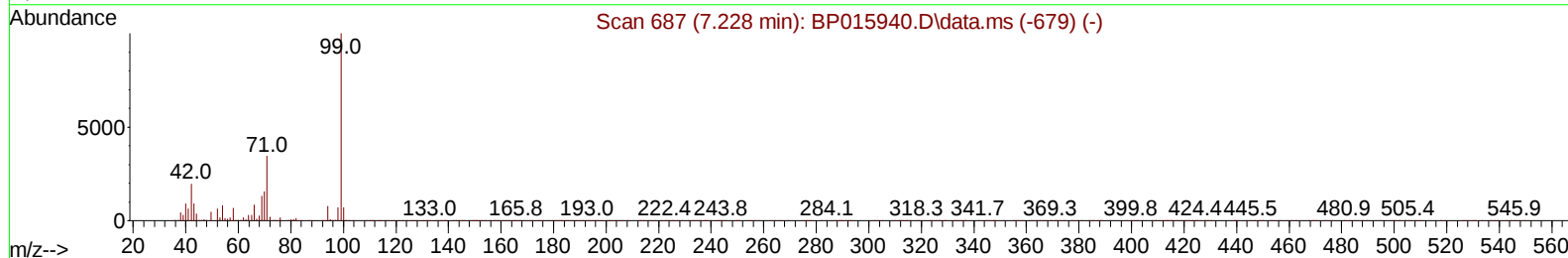
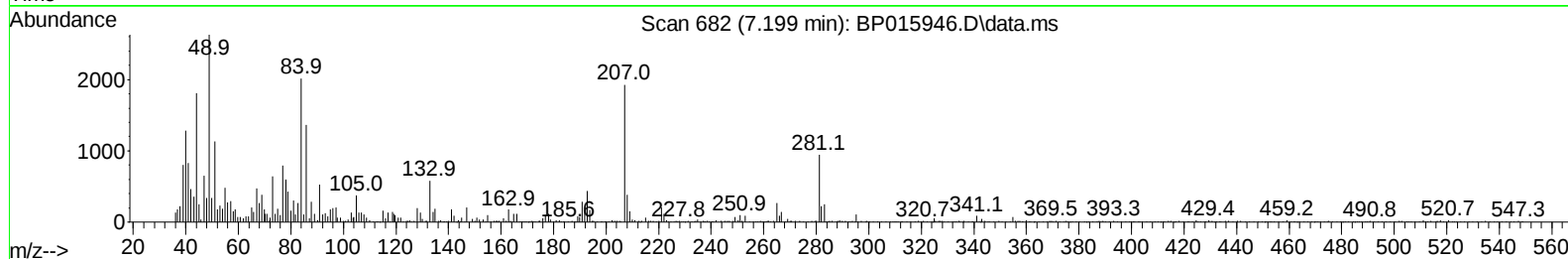
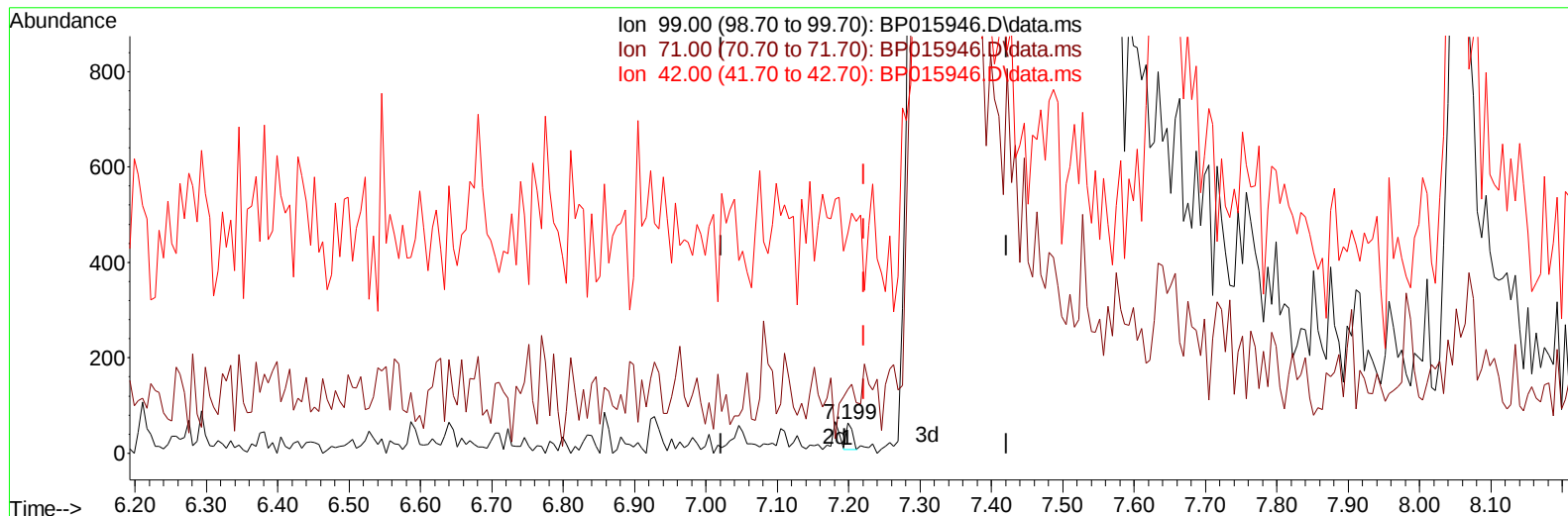
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
Data File : BP015946.D
Acq On : 03 Jul 2023 12:13
Operator : MA/JU
Sample : 03242-18DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:07:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 02 06:12:16 2023
Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(7) Phenol-d5 (S)

7.199min (-0.023) 0.00 ng/u1

response 34

Ion	Exp%	Act%
99.00	100.00	100.00
71.00	42.70	212.70#
42.00	21.90	733.33#
0.00	0.00	0.00

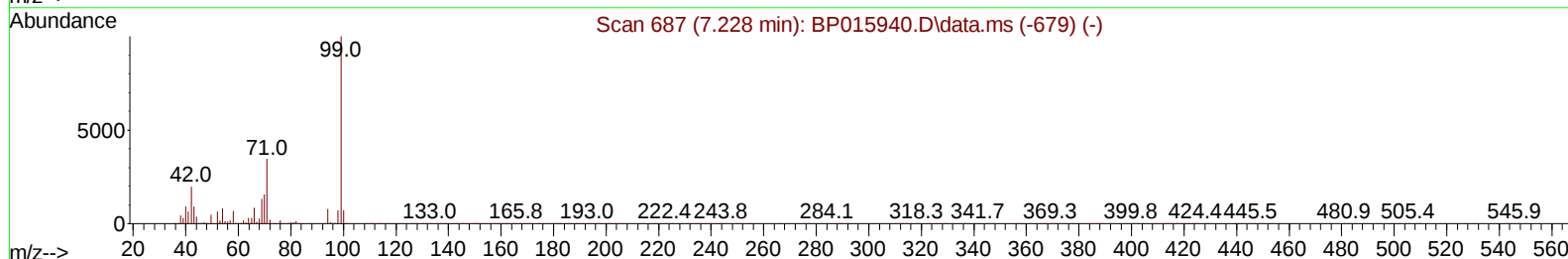
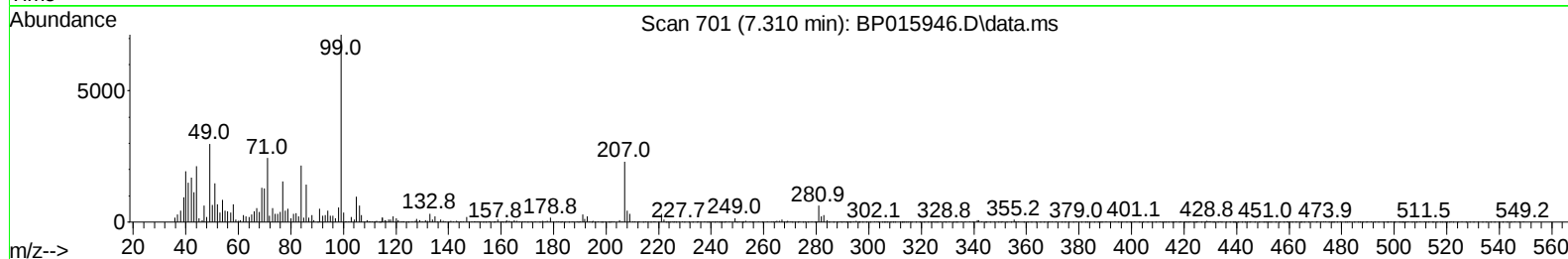
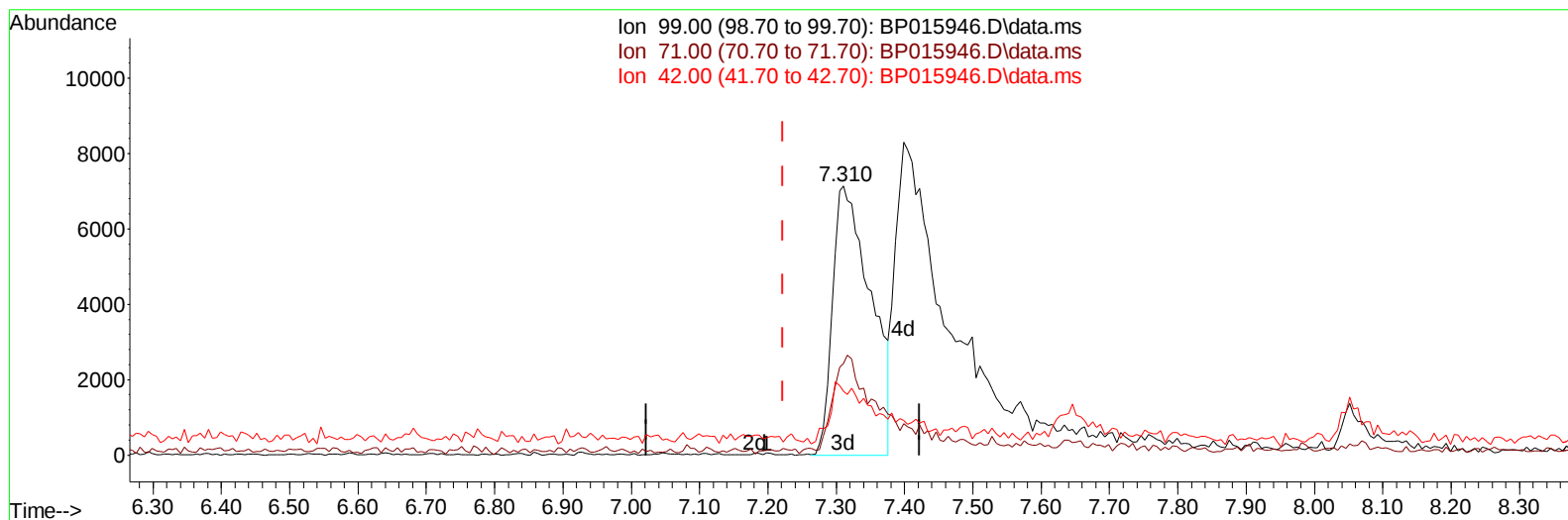
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:57:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(7) Phenol-d5 (S)

7.310min (+ 0.088) 1.65 ng/u1 m

response 27564

Ion	Exp%	Act%
99.00	100.00	100.00
71.00	42.70	34.14#
42.00	21.90	23.72
0.00	0.00	0.00

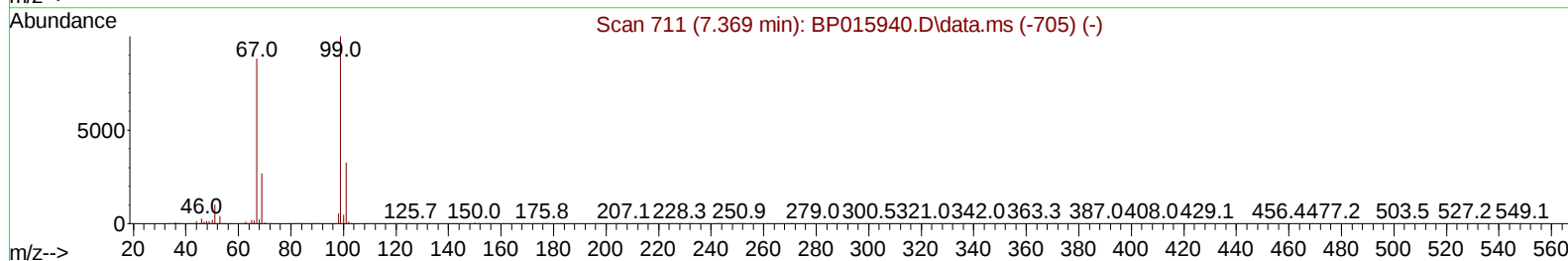
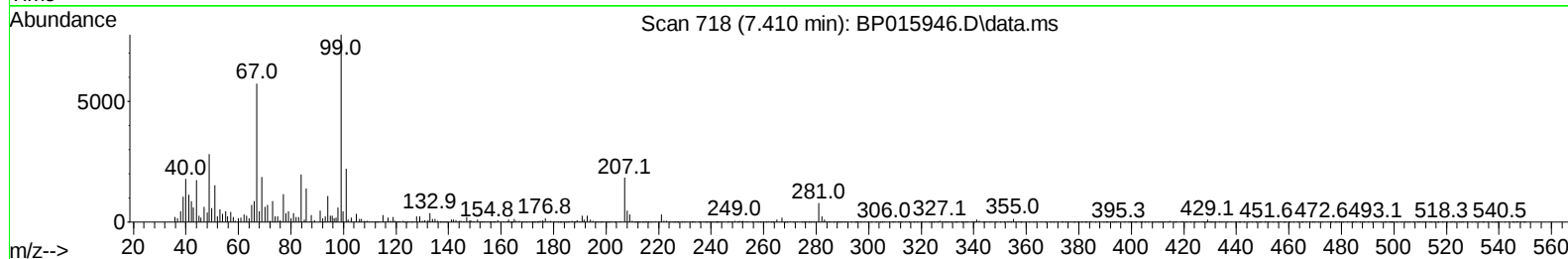
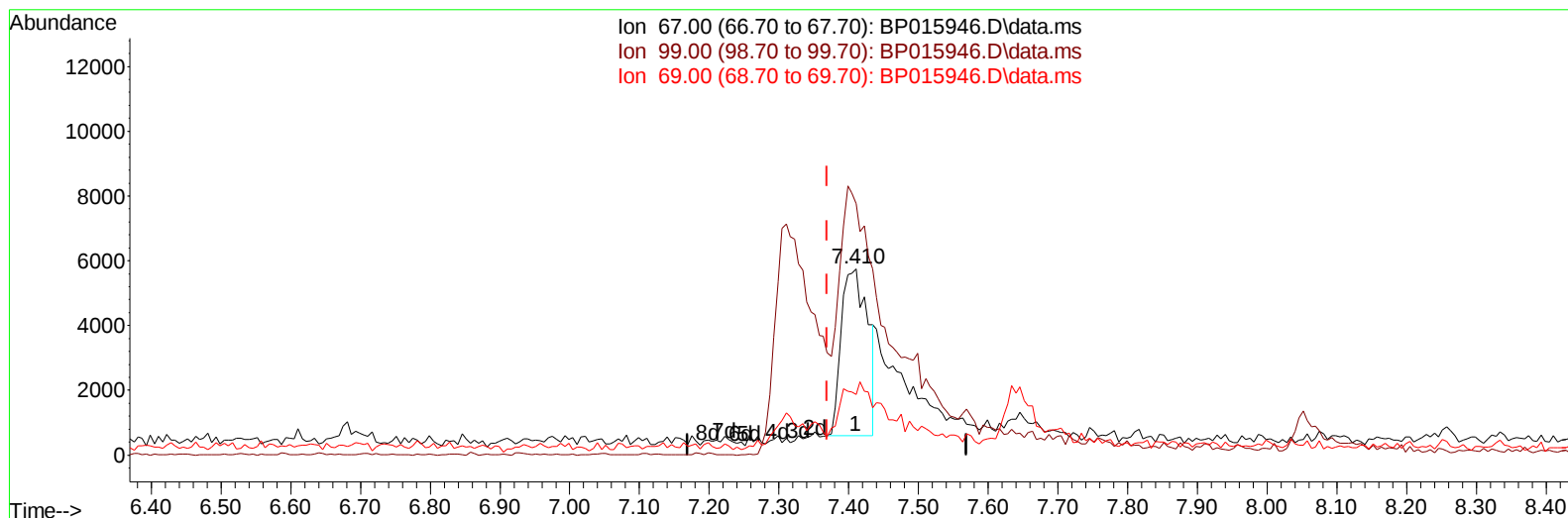
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:57:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(9) Bis-(2-Chloroethyl)ether-d8 (S)

7.410min (+ 0.041) 1.30 ng/u1

response 13456

Ion	Exp%	Act%
67.00	100.00	100.00
99.00	117.80	135.12
69.00	32.10	32.71
0.00	0.00	0.00

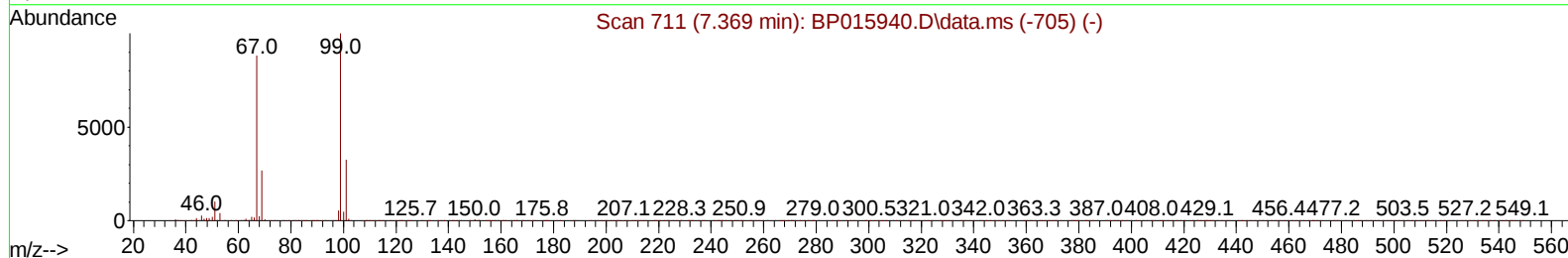
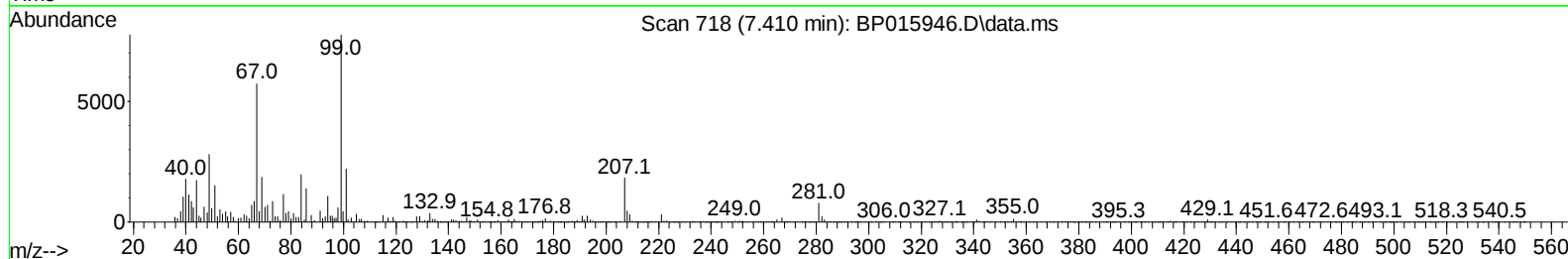
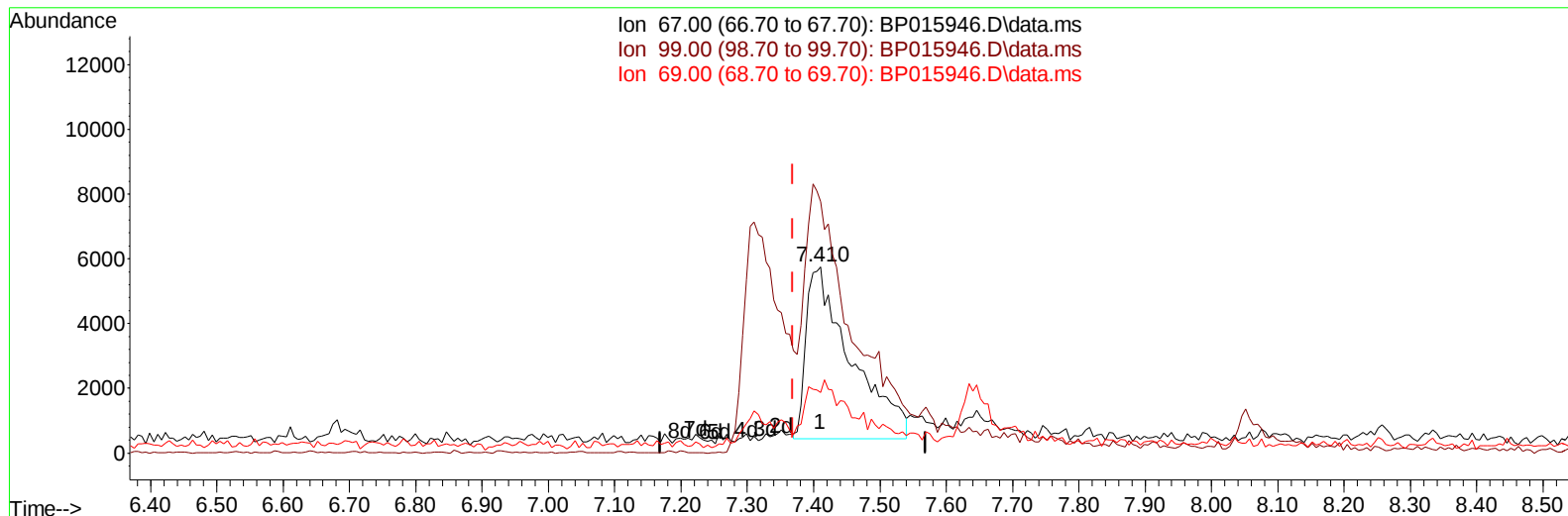
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:57:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(9) Bis-(2-Chloroethyl)ether-d8 (S)

7.410min (+ 0.041) 2.41 ng/ul m

response 24909

Ion	Exp%	Act%
67.00	100.00	100.00
99.00	117.80	135.12
69.00	32.10	32.71
0.00	0.00	0.00

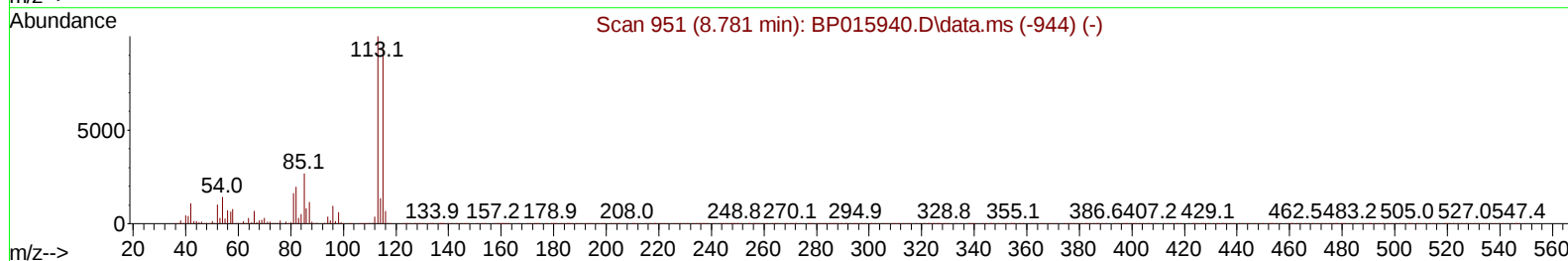
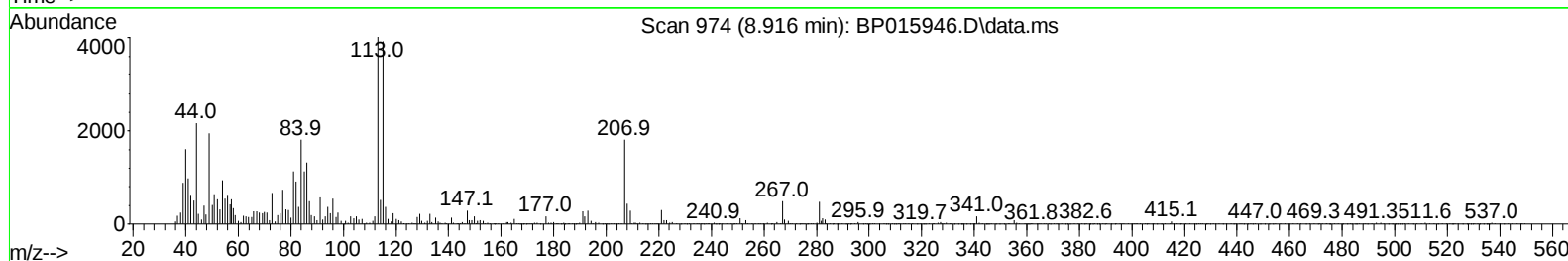
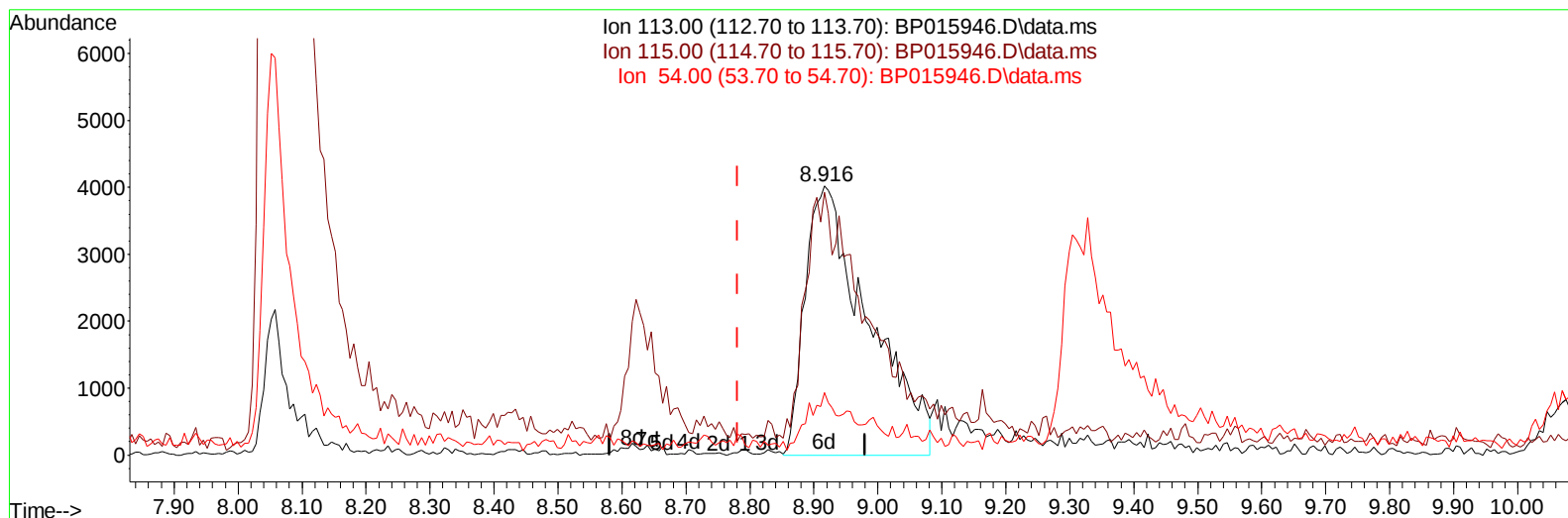
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:58:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.916min (+ 0.136) 2.09 ng/ul m

response 27521

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	89.10	97.74
54.00	16.10	23.34#
0.00	0.00	0.00

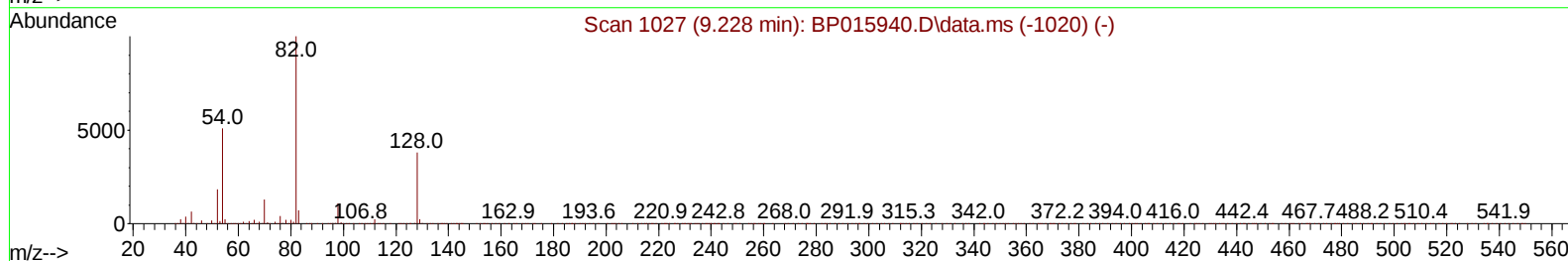
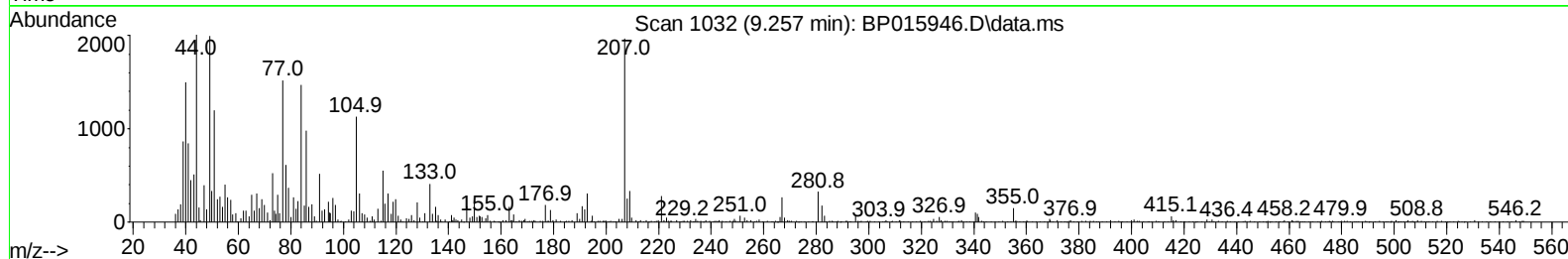
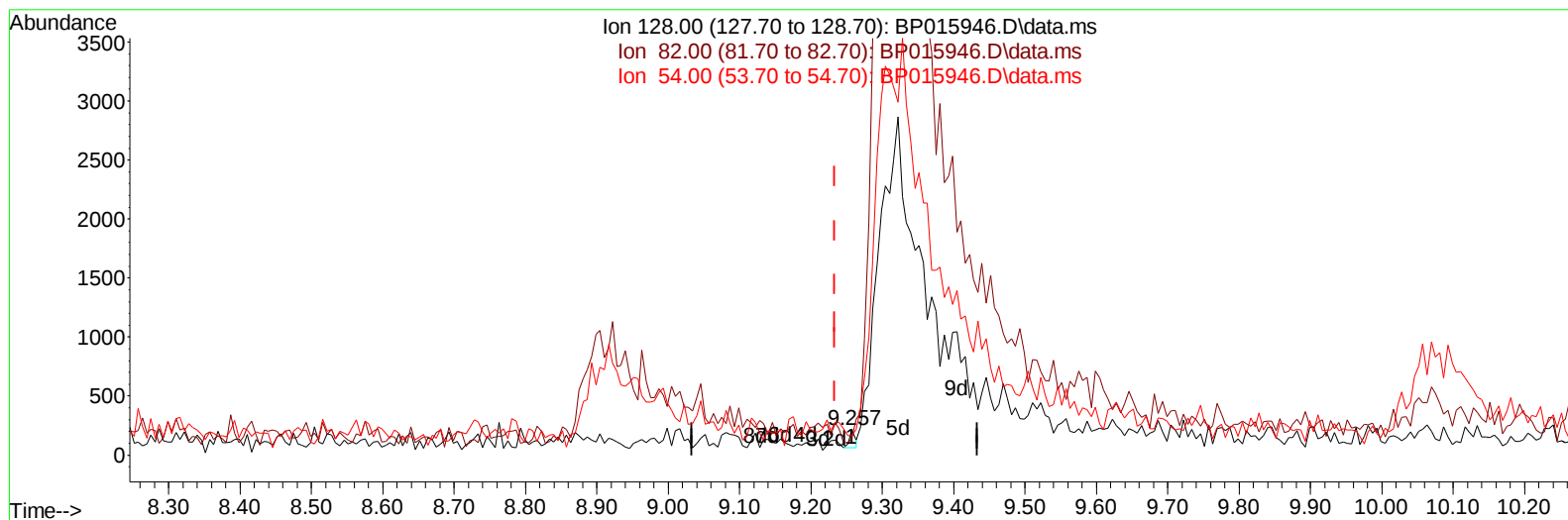
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:58:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(21) Nitrobenzene-d5 (S)

9.257min (+ 0.024) 0.01 ng/u1

response 88

Ion	Exp%	Act%
128.00	100.00	100.00
82.00	268.20	66.36#
54.00	141.60	75.70#
0.00	0.00	0.00

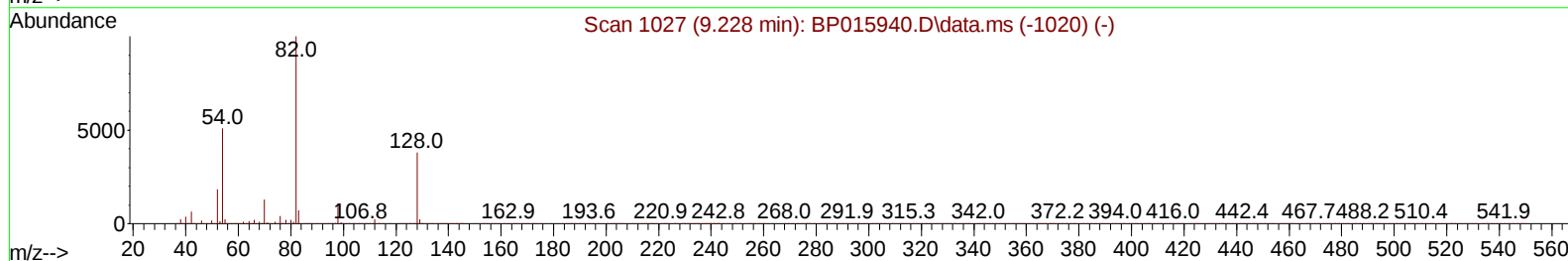
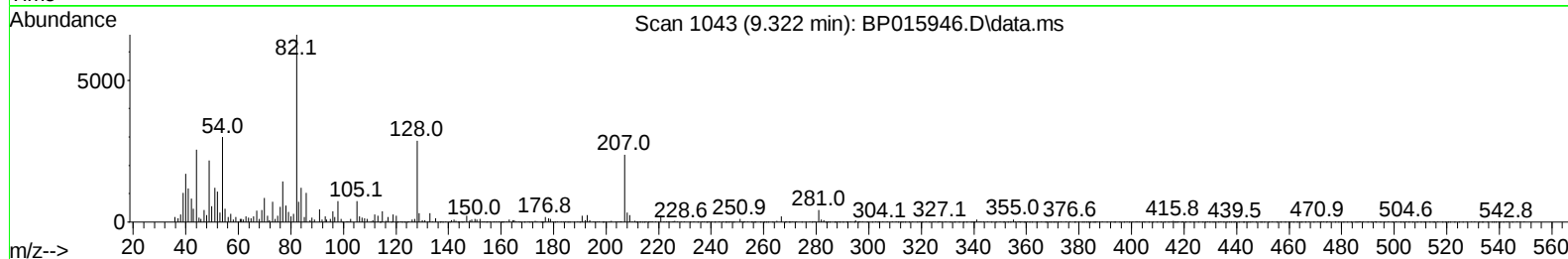
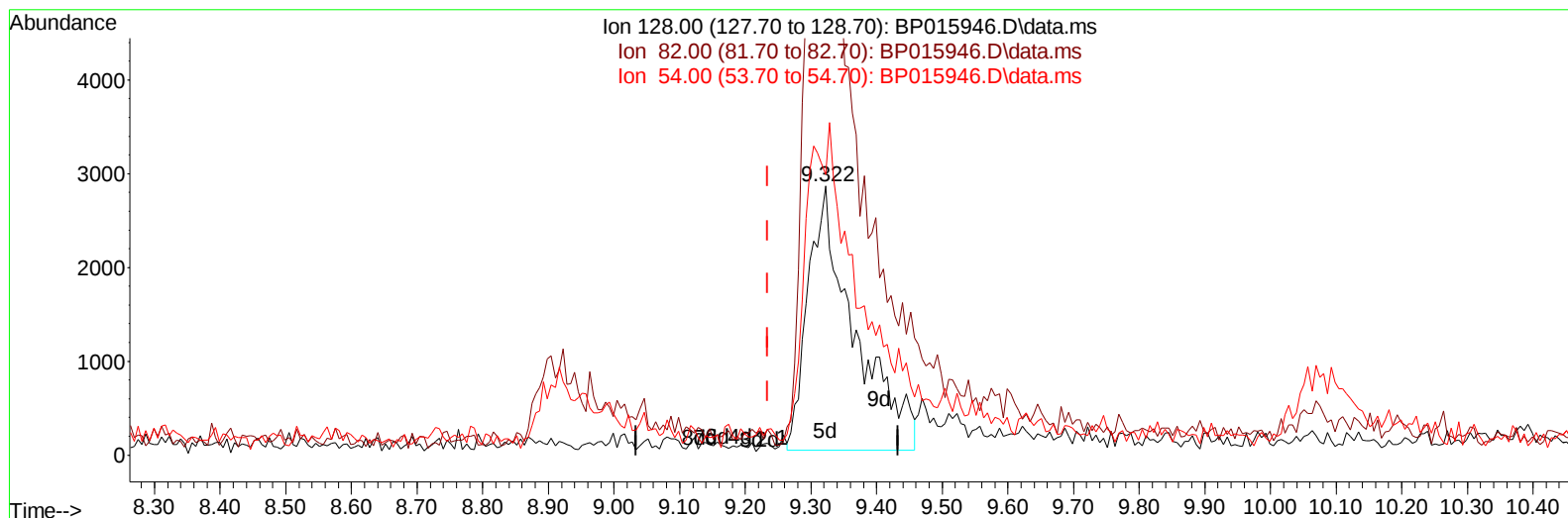
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:58:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(21) Nitrobenzene-d5 (S)

9.322min (+ 0.088) 2.07 ng/ul m

response 13836

Ion	Exp%	Act%
128.00	100.00	100.00
82.00	268.20	230.26
54.00	141.60	104.29#
0.00	0.00	0.00

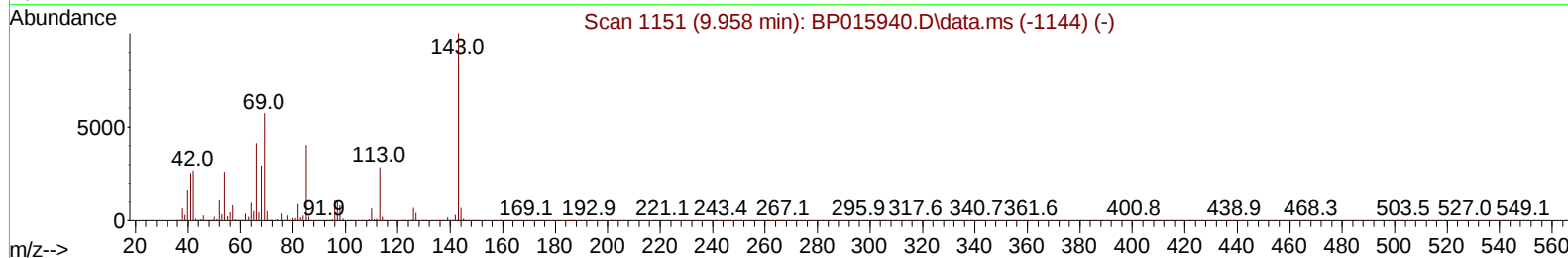
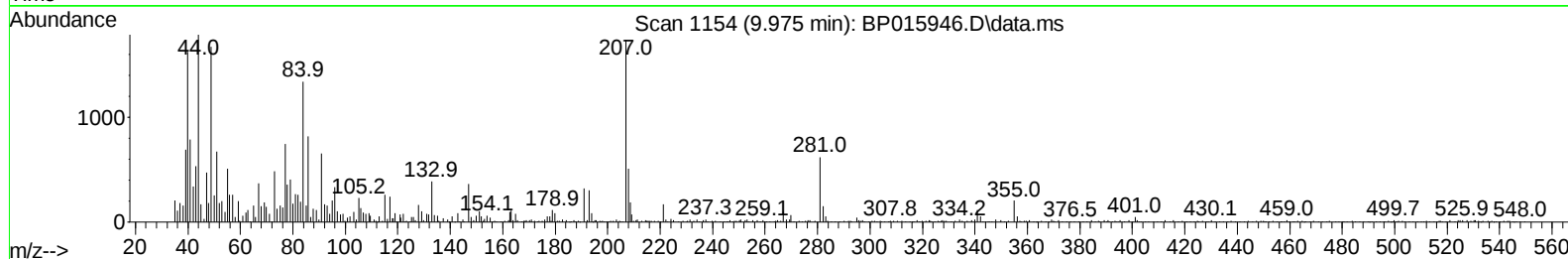
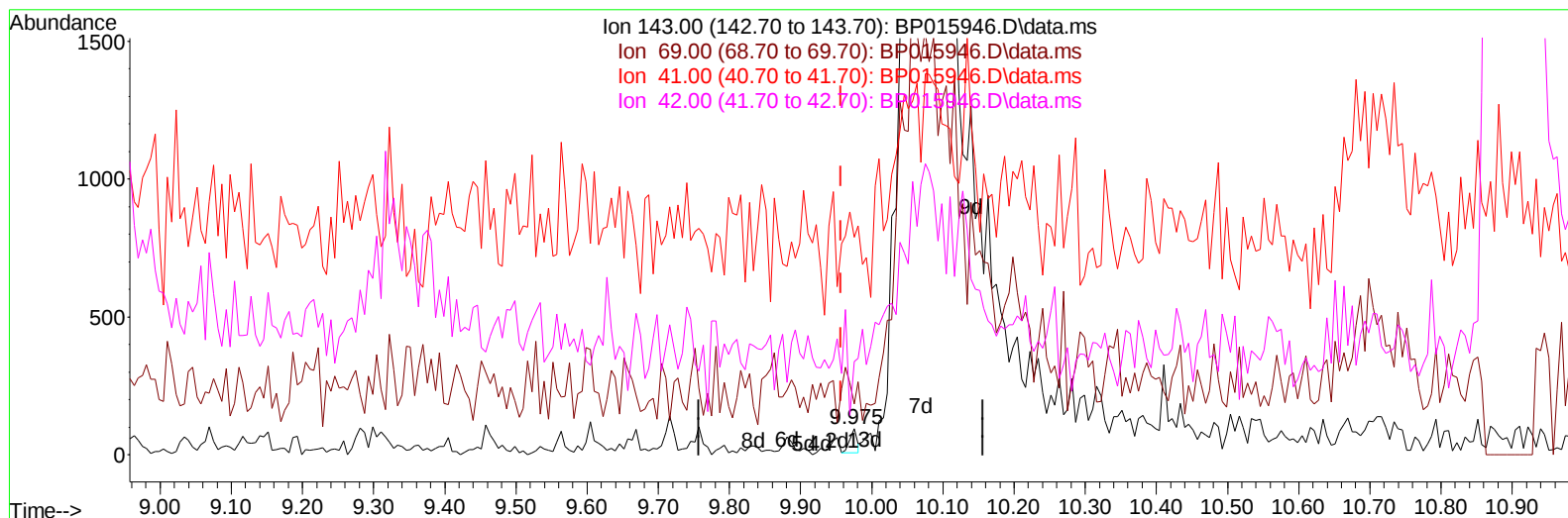
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:59:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(24) 2-Nitrophenol-d4 (S)

9.975min (+ 0.018) 0.01 ng/u1

response 62

Ion	Exp%	Act%
143.00	100.00	100.00
69.00	60.40	192.71#
41.00	26.80	821.88#
42.00	30.50	353.13#

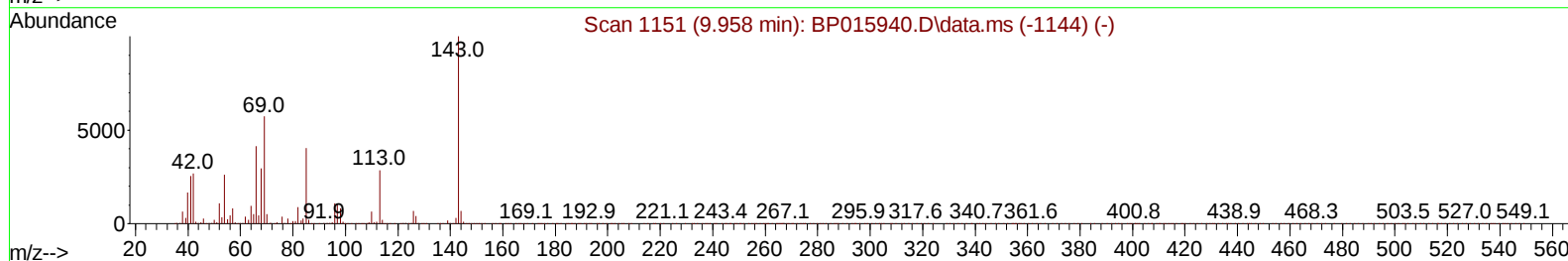
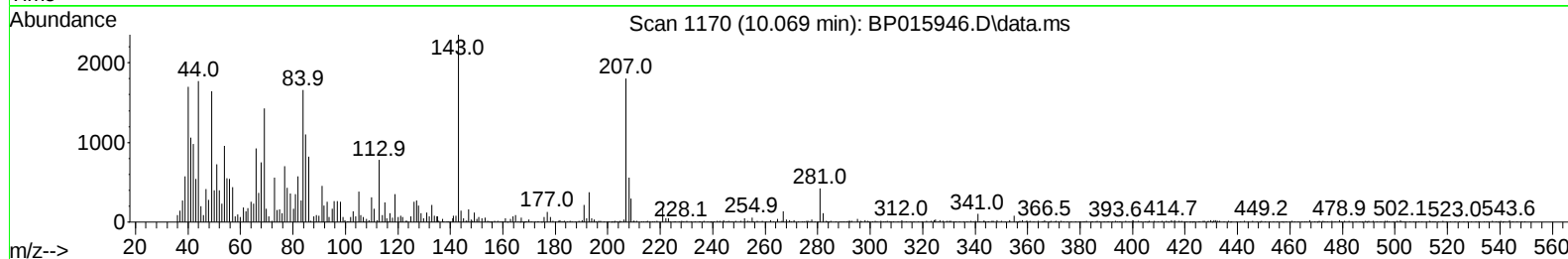
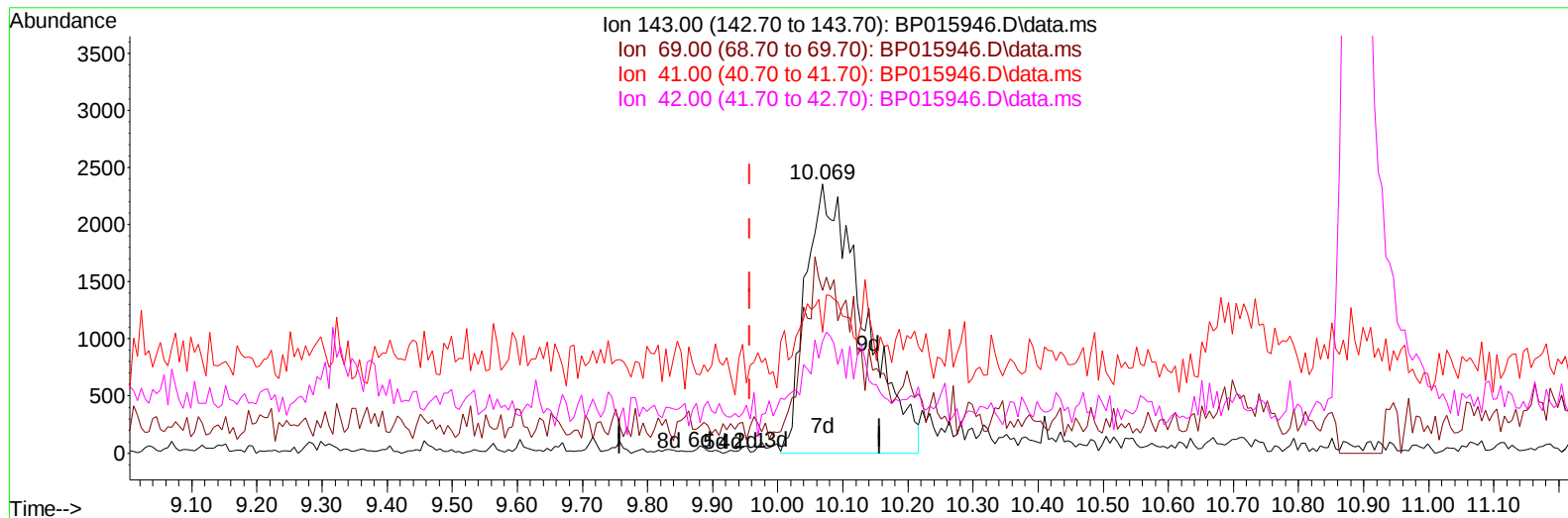
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
Data File : BP015946.D
Acq On : 03 Jul 2023 12:13
Operator : MA/JU
Sample : 03242-18DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:59:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 02 06:12:16 2023
Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(24) 2-Nitrophenol-d4 (S)

10.069min (+ 0.112) 1.87 ng/ul m

response 14539

Ion	Exp%	Act%
143.00	100.00	100.00
69.00	60.40	60.60
41.00	26.80	45.05#
42.00	30.50	41.69#

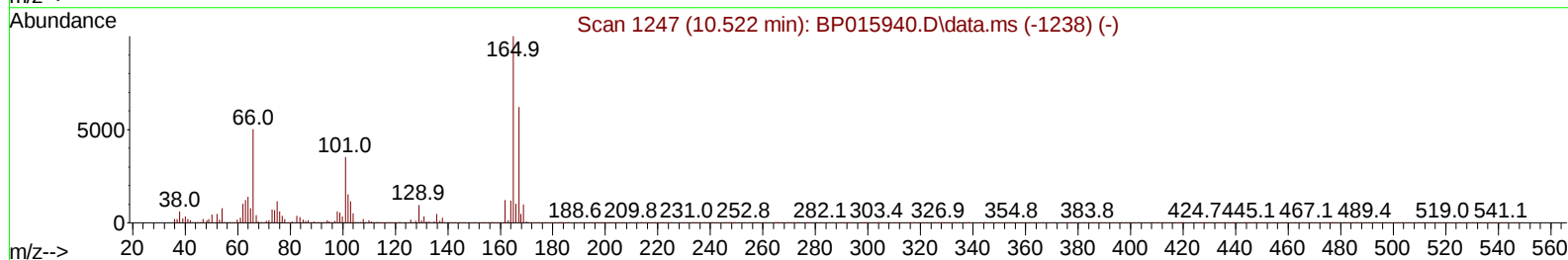
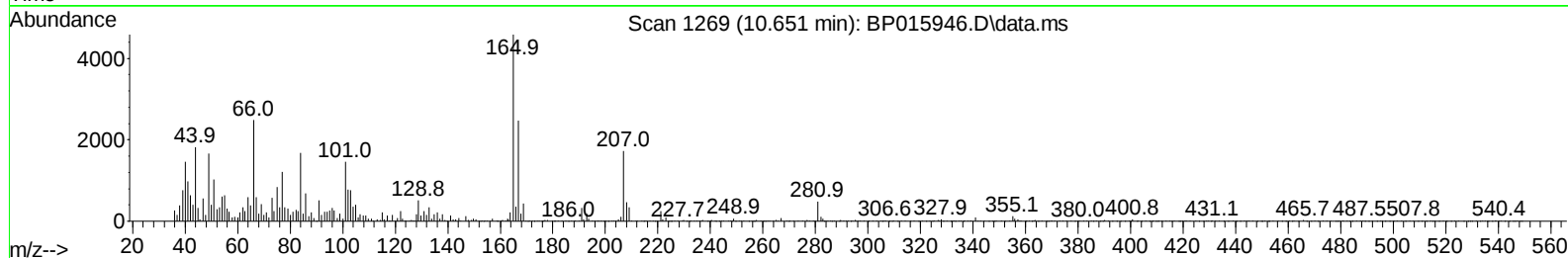
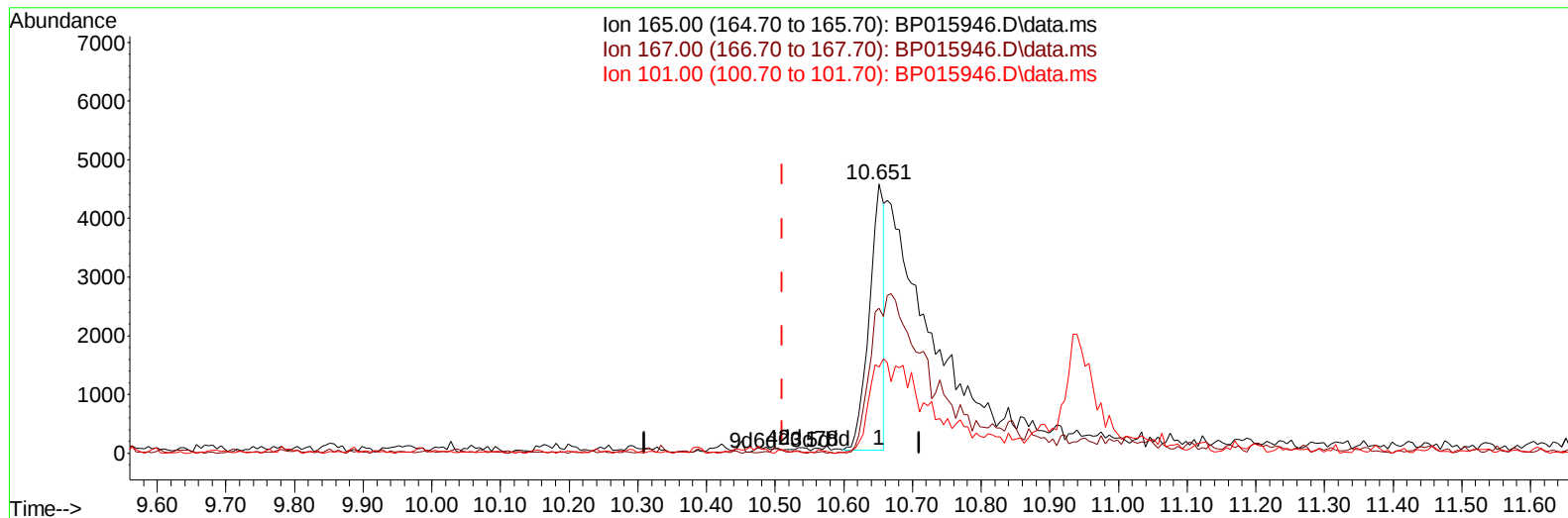
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
Data File : BP015946.D
Acq On : 03 Jul 2023 12:13
Operator : MA/JU
Sample : 03242-18DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:59:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 02 06:12:16 2023
Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.651min (+ 0.141) 0.49 ng/u1

response 6815

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	66.20	53.94
101.00	37.30	32.00
0.00	0.00	0.00

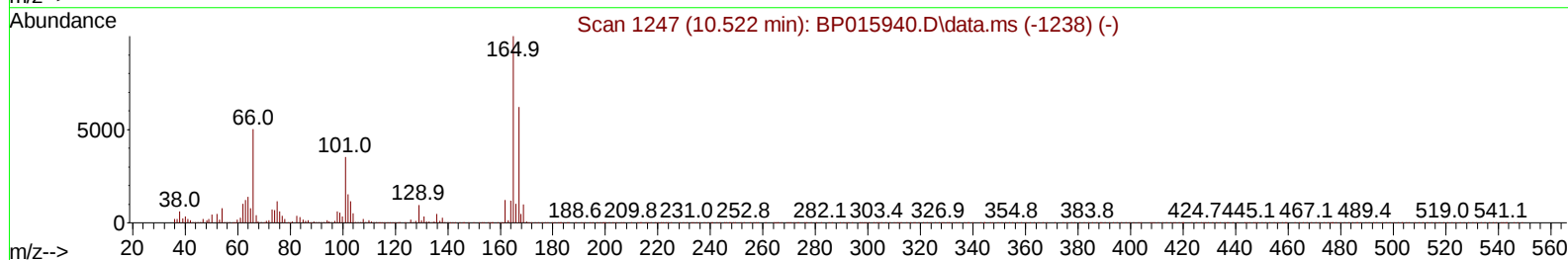
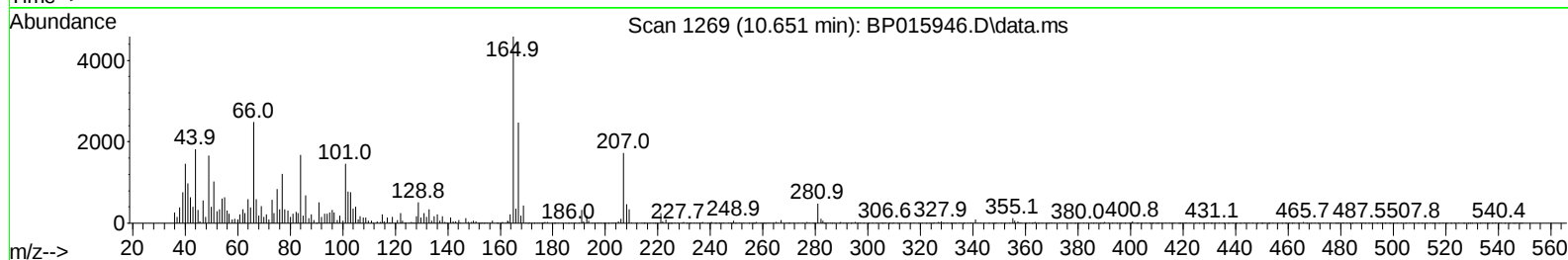
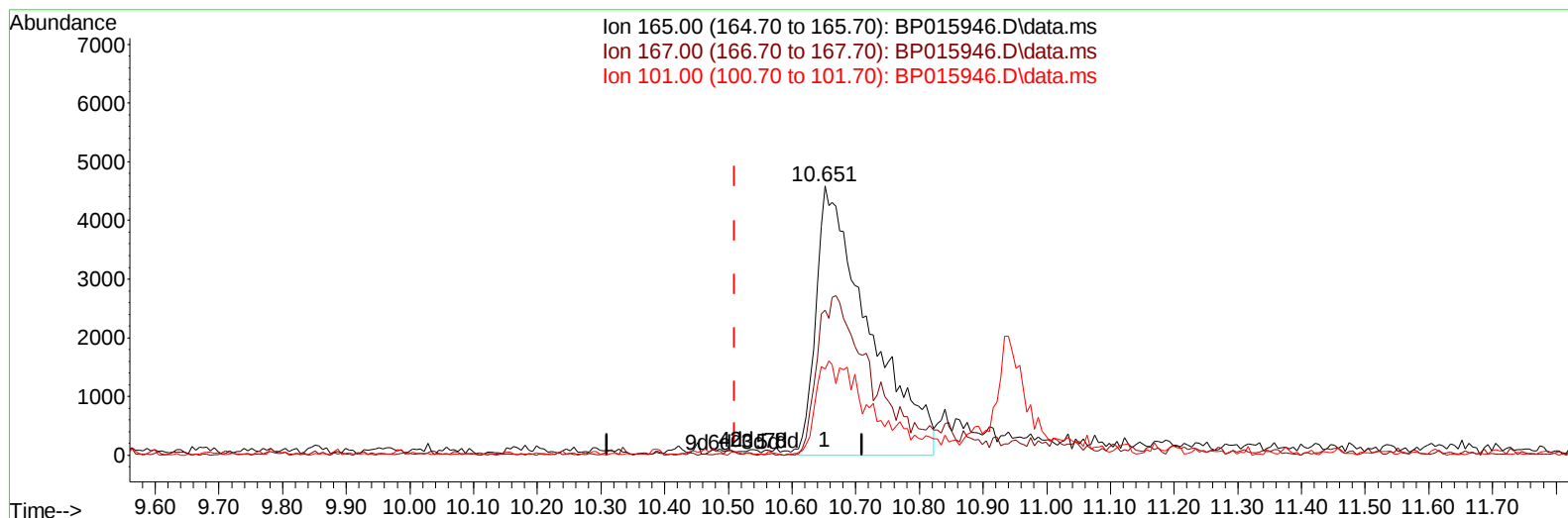
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
Data File : BP015946.D
Acq On : 03 Jul 2023 12:13
Operator : MA/JU
Sample : 03242-18DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:59:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 02 06:12:16 2023
Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.651min (+ 0.141) 1.90 ng/ul m

response 26425

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	66.20	53.94
101.00	37.30	32.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :

BNA_P

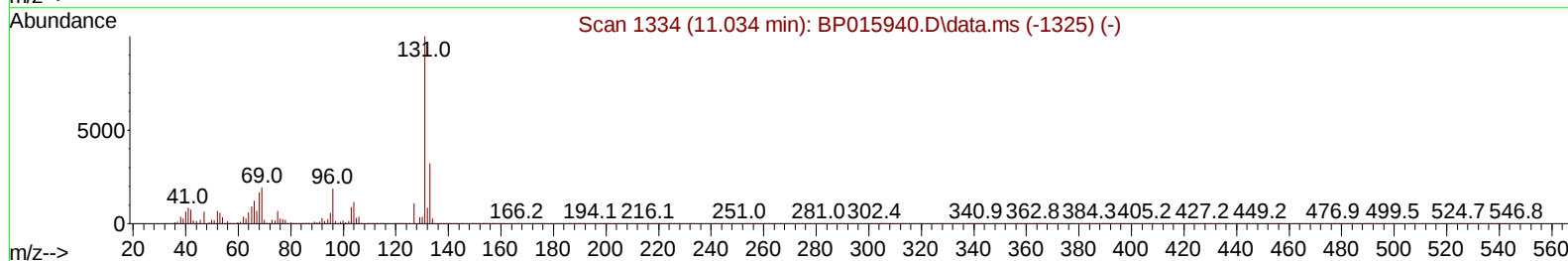
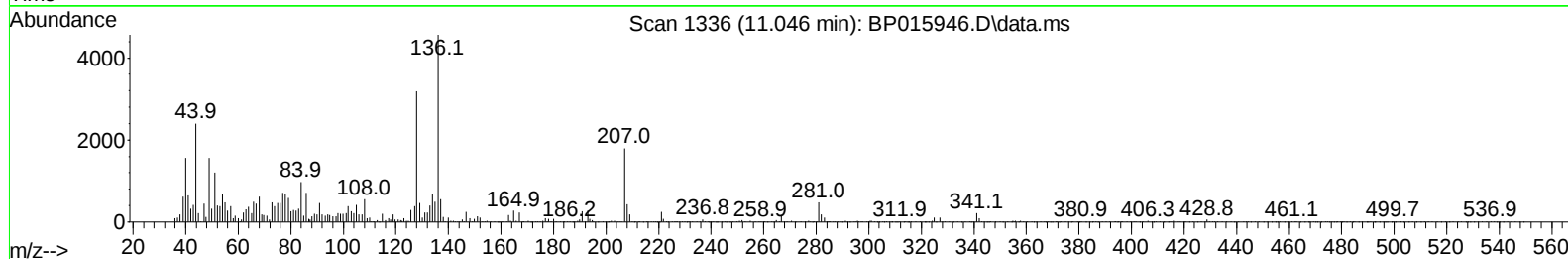
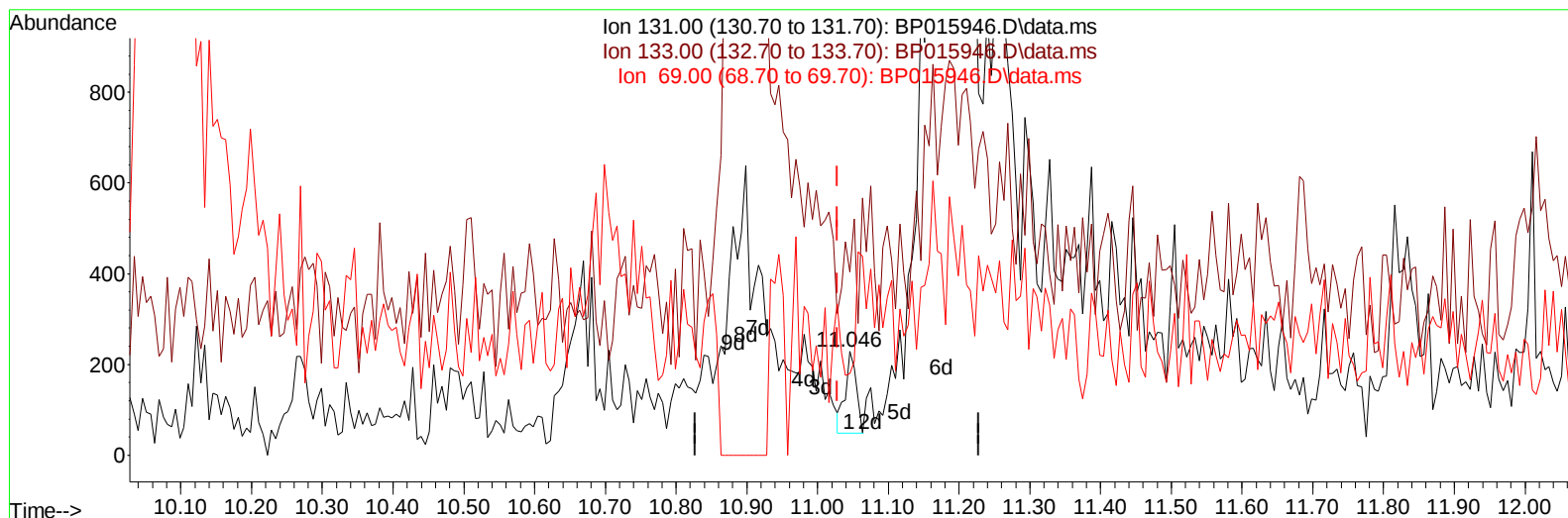
ClientSampleId :

DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 22:59:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.046min (+ 0.018) 0.01 ng/ul

response 192

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	34.50	175.98#
69.00	22.20	78.60#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :

BNA_P

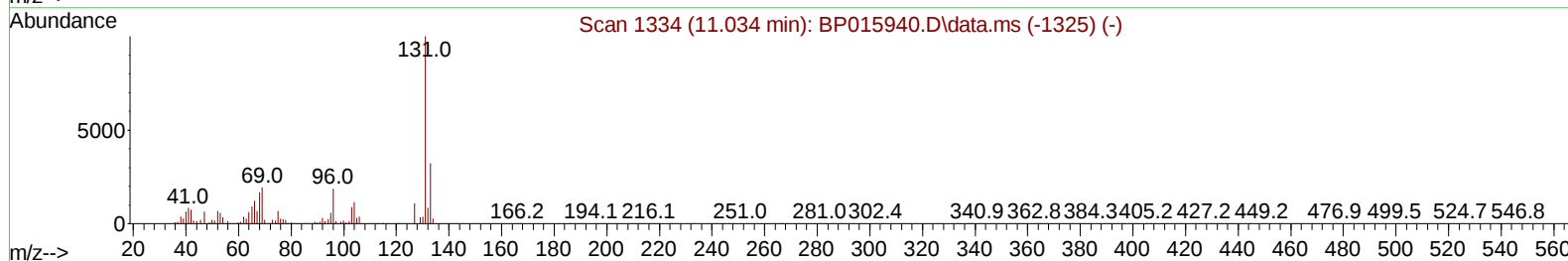
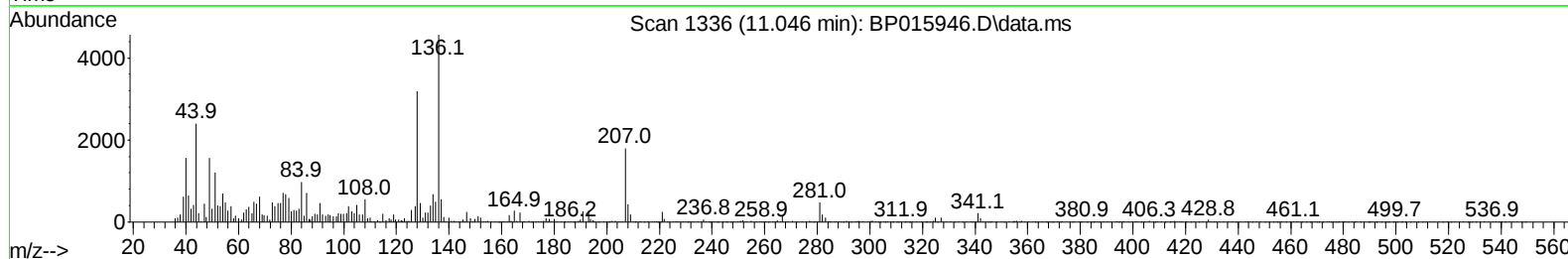
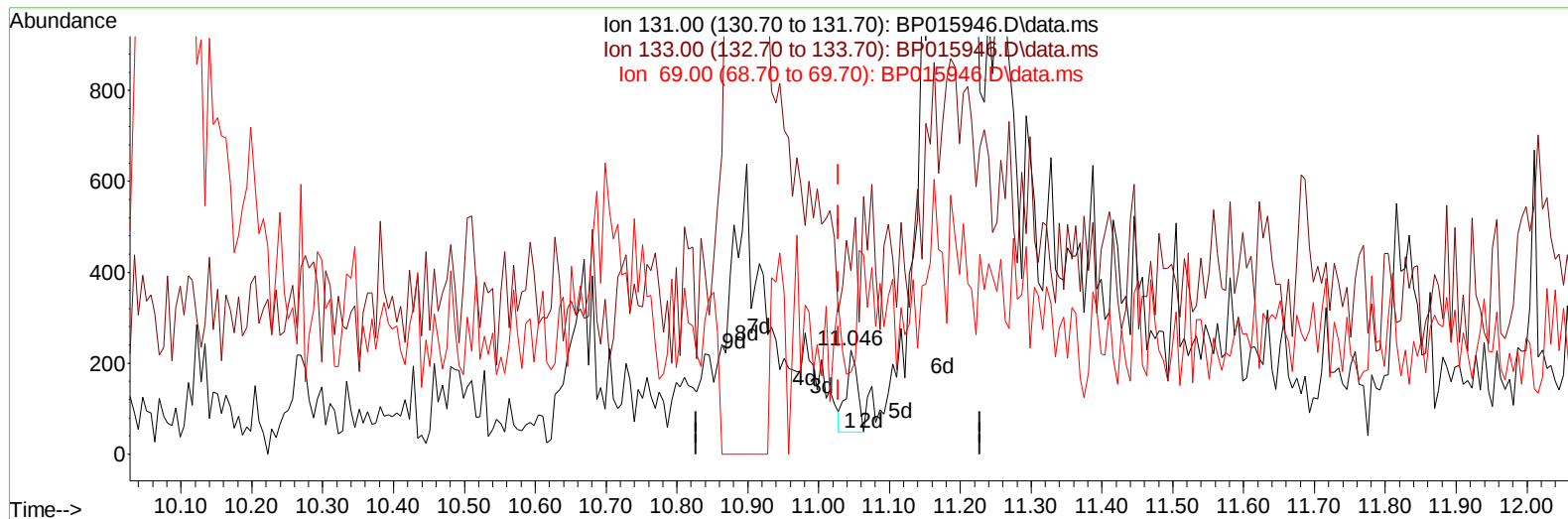
ClientSampleId :

DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:00:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.046min (+ 0.018) 0.01 ng/ul

response 192

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	34.50	175.98#
69.00	22.20	78.60#
0.00	0.00	0.00

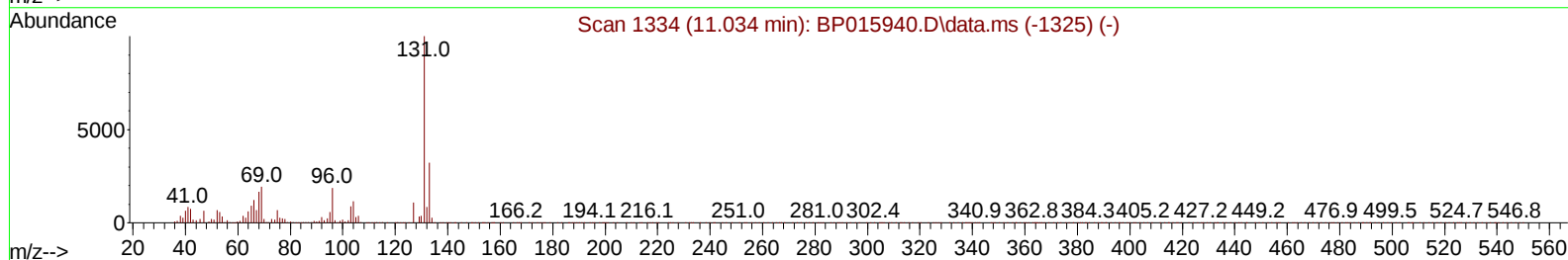
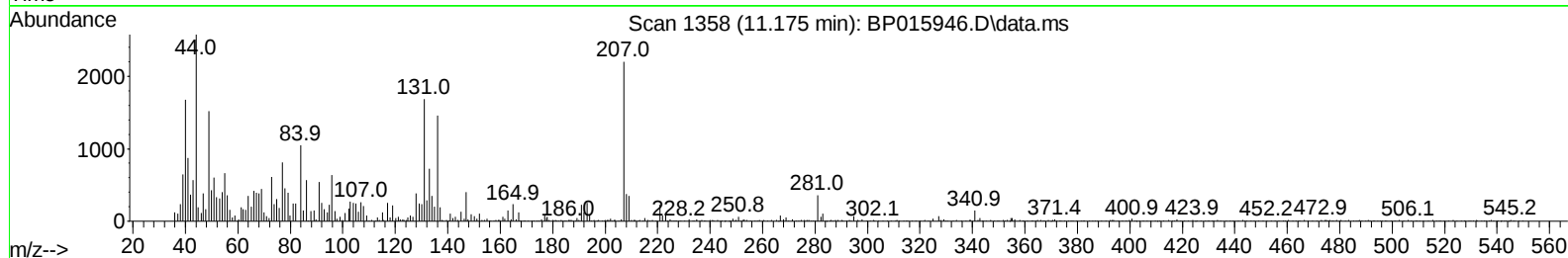
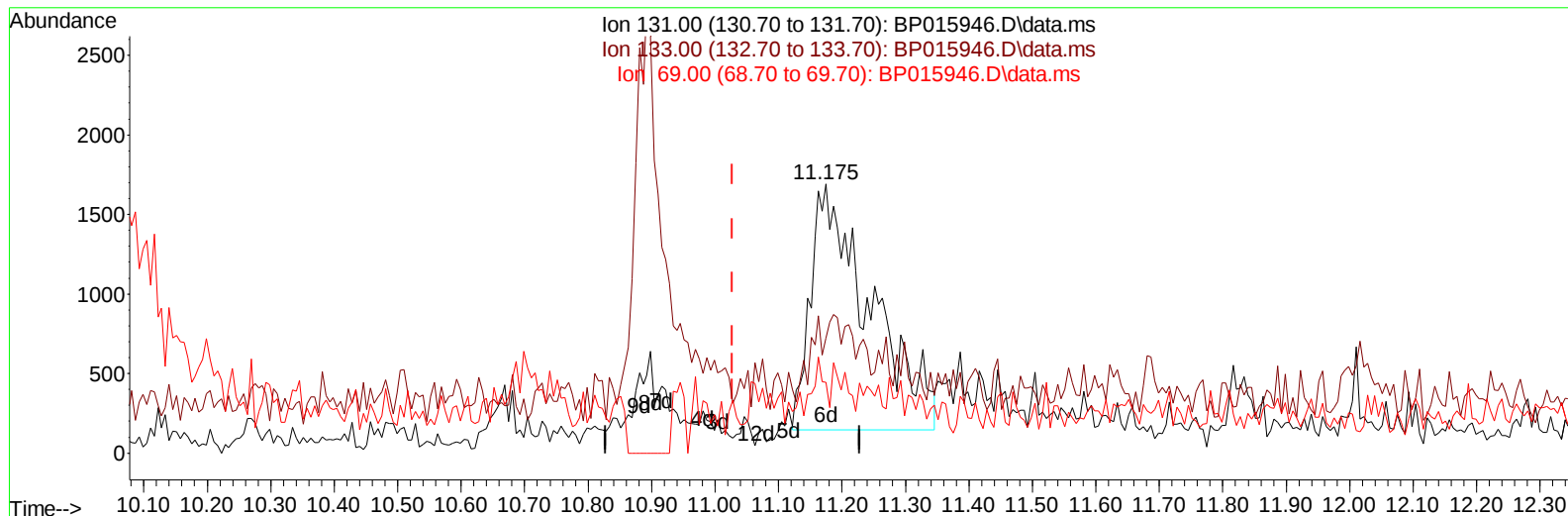
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:00:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



TIC: BP015946.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.175min (+ 0.147) 0.57 ng/ul m

response 10091

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	34.50	42.84#
69.00	22.20	26.27
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015946.D
 Acq On : 03 Jul 2023 12:13
 Operator : MA/JU
 Sample : 03242-18DL 5X
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Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:02:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

Reviewed By :Sohil Jodhani 07/04/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.052	152	195009	20.000	ng/ul	0.00
20) Naphthalene-d8	10.887	136	873594	20.000	ng/ul	# 0.02
38) Acenaphthene-d10	14.704	164	514546	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.457	188	1051036	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.545	240	810912	20.000	ng/ul	# 0.00
88) Perylene-d12	24.086	264	928483	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	3307	0.610	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.310	99	27564m	1.652	ng/ul	0.09
9) Bis-(2-Chloroethyl)eth...	7.410	67	24909m	2.413	ng/ul	0.04
11) 2-Chlorophenol-d4	7.646	132	30684	2.436	ng/ul	0.07
15) 4-Methylphenol-d8	8.916	113	27521m	2.088	ng/ul	0.14
21) Nitrobenzene-d5	9.322	128	13836m	2.072	ng/ul	0.09
24) 2-Nitrophenol-d4	10.069	143	14539m	1.866	ng/ul	0.11
28) 2,4-Dichlorophenol-d3	10.651	165	26425m	1.903	ng/ul	0.14
31) 4-Chloroaniline-d4	11.175	131	10091m	0.566	ng/ul	0.15
46) Dimethylphthalate-d6	14.134	166	102796	2.585	ng/ul	0.03
49) Acenaphthylene-d8	14.404	160	109031	2.439	ng/ul	0.01
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	15.710	176	85930	2.624	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.569	188	132689	2.764	ng/ul	0.01
81) Pyrene-d10	19.786	212	145286	2.744	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.921	264	130357	2.783	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.940	128	185178	3.899	ng/ul	99
36) 2-Methylnaphthalene	12.575	142	45015	1.440	ng/ul	93
50) Acenaphthylene	14.434	152	60947	1.237	ng/ul	97
52) Acenaphthene	14.769	153	131869	3.860	ng/ul	99
61) Fluorene	15.763	166	118155	3.072	ng/ul	97
72) Phenanthrene	17.504	178	1712840	29.998	ng/ul	99
74) Anthracene	17.604	178	416743	7.264	ng/ul	97
80) Fluoranthene	19.463	202	3233315	49.133	ng/ul#	94
82) Pyrene	19.816	202	2663555	39.678	ng/ul#	91
85) Benzo(a)anthracene	21.527	228	1566606	27.463	ng/ul	97
87) Chrysene	21.586	228	1617031	29.878	ng/ul	98
90) Benzo(b)fluoranthene	23.310	252	2476437	41.510	ng/ul#	97
91) Benzo(k)fluoranthene	23.351	252	828106	13.738	ng/ul#	96
93) Benzo(a)pyrene	23.974	252	1638884	31.439	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	26.786	276	1330472	18.801	ng/ul#	96
95) Dibenzo(a,h)anthracene	26.780	278	374985	6.451	ng/ul#	79
96) Benzo(g,h,i)perylene	27.621	276	1178745	20.247	ng/ul#	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Manual IntegrationsAPPROVED

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