

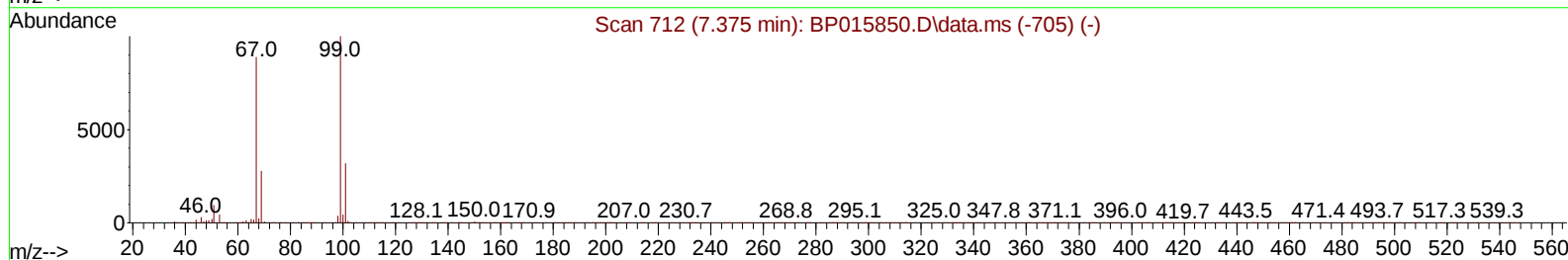
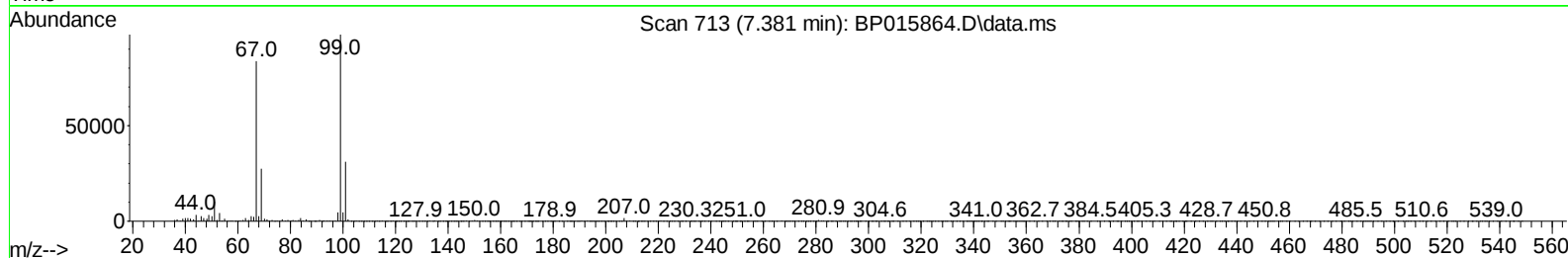
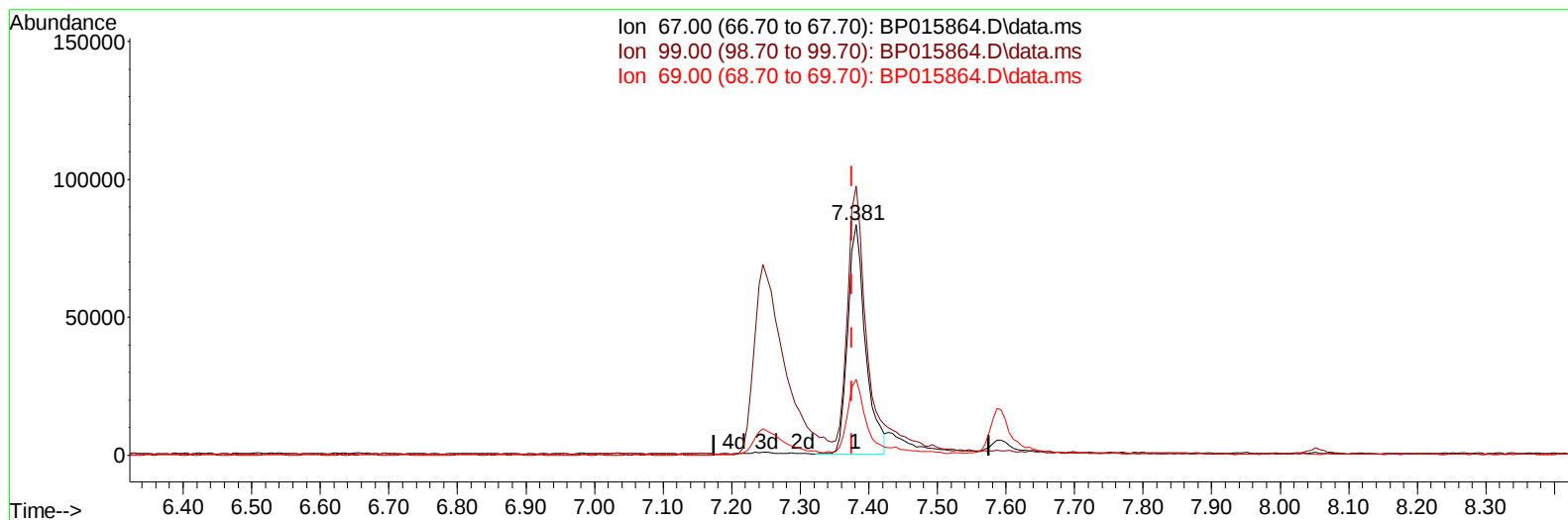
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
 Data File : BP015864.D
 Acq On : 01 Jul 2023 02:28
 Operator : MA/JU
 Sample : 03161-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFW9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:11:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 30 22:30:25 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015864.D\data.ms

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

7.381min (+ 0.006) 11.89 ng/u1

response 148742

Ion	Exp%	Act%
67.00	100.00	100.00
99.00	117.80	116.61
69.00	32.10	32.84
0.00	0.00	0.00

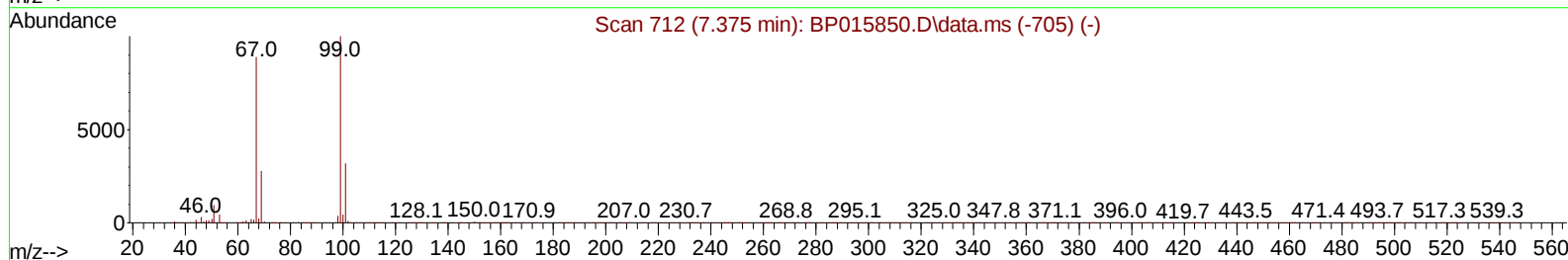
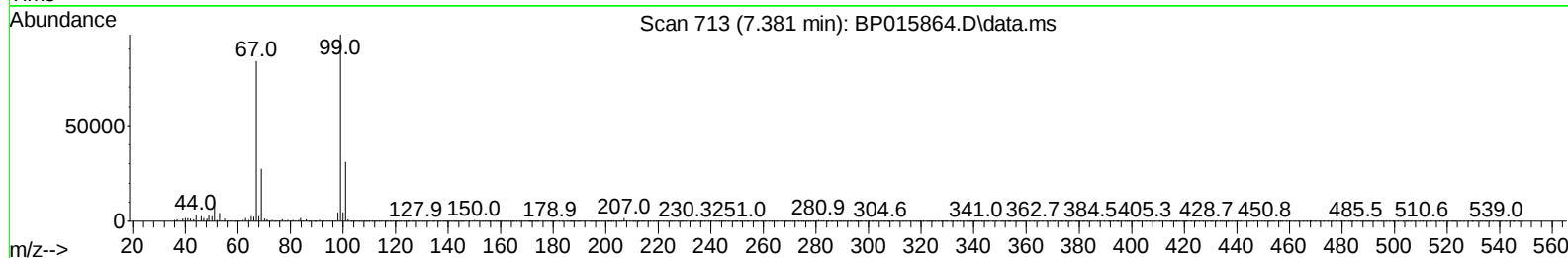
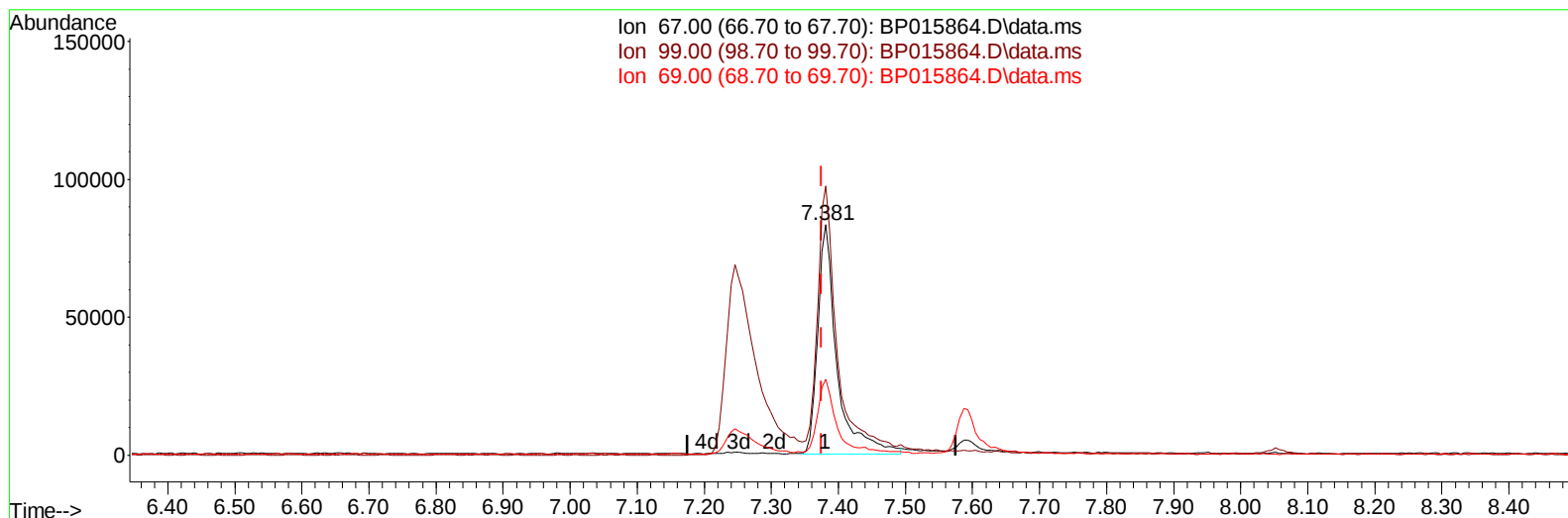
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
 Data File : BP015864.D
 Acq On : 01 Jul 2023 02:28
 Operator : MA/JU
 Sample : 03161-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFW9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:11:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 30 22:30:25 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015864.D\data.ms

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

7.381min (+ 0.006) 13.35 ng/ul m

response 166901

Ion	Exp%	Act%
67.00	100.00	100.00
99.00	117.80	116.61
69.00	32.10	32.84
0.00	0.00	0.00

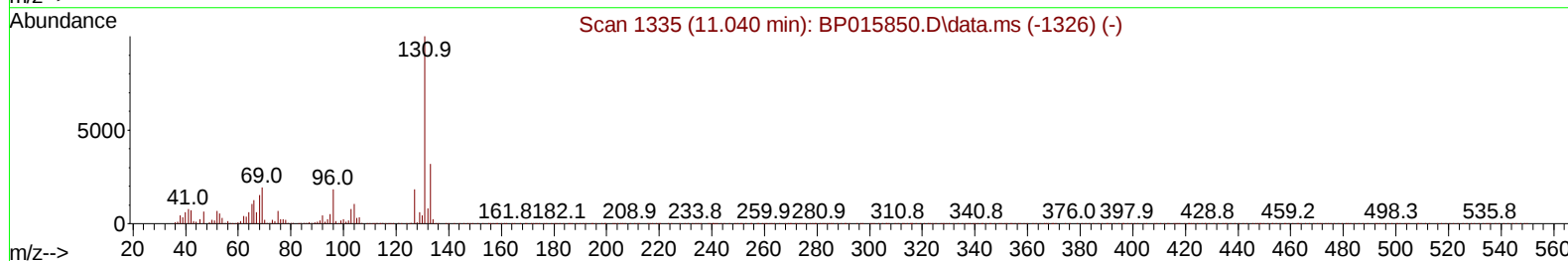
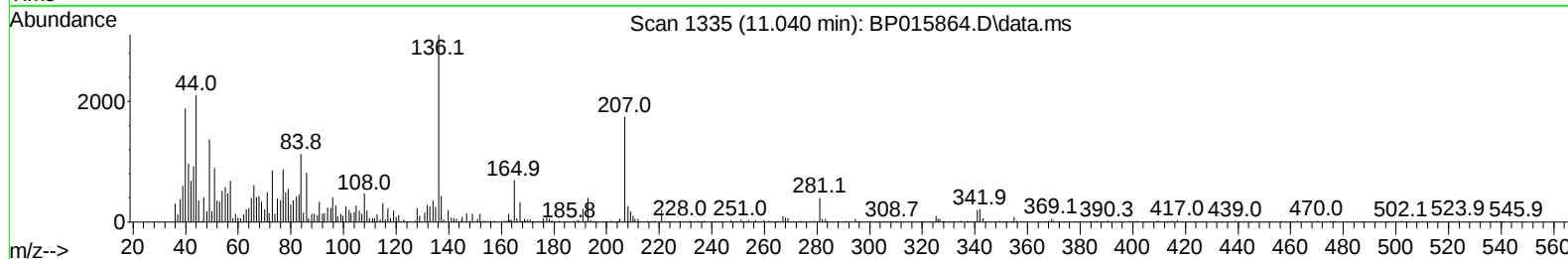
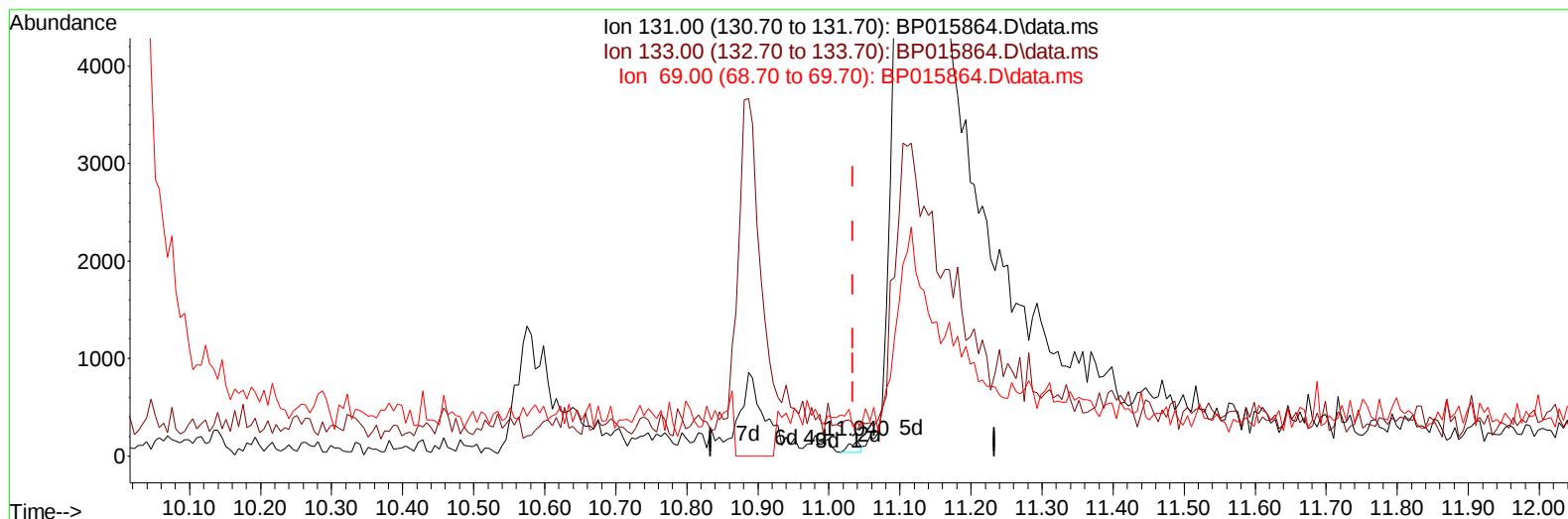
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
 Data File : BP015864.D
 Acq On : 01 Jul 2023 02:28
 Operator : MA/JU
 Sample : 03161-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFW9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:11:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 30 22:30:25 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015864.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.040min (+ 0.006) 0.01 ng/ul

response 124

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	34.50	169.68#
69.00	22.20	216.13#
0.00	0.00	0.00

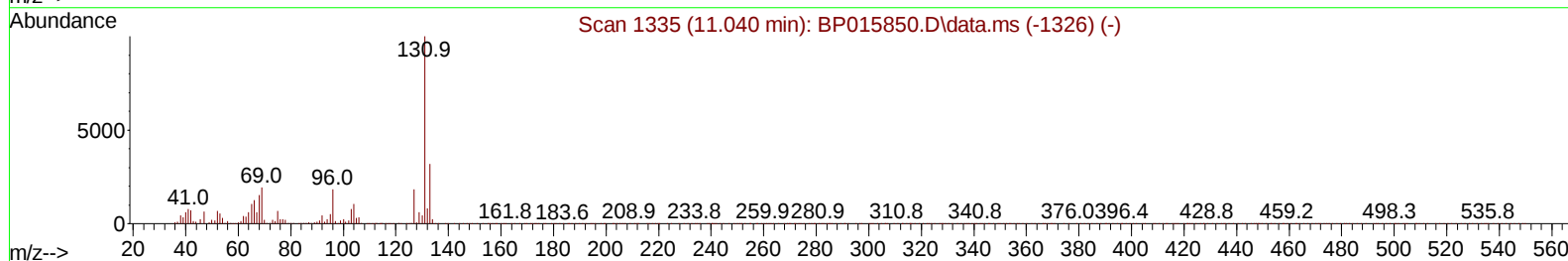
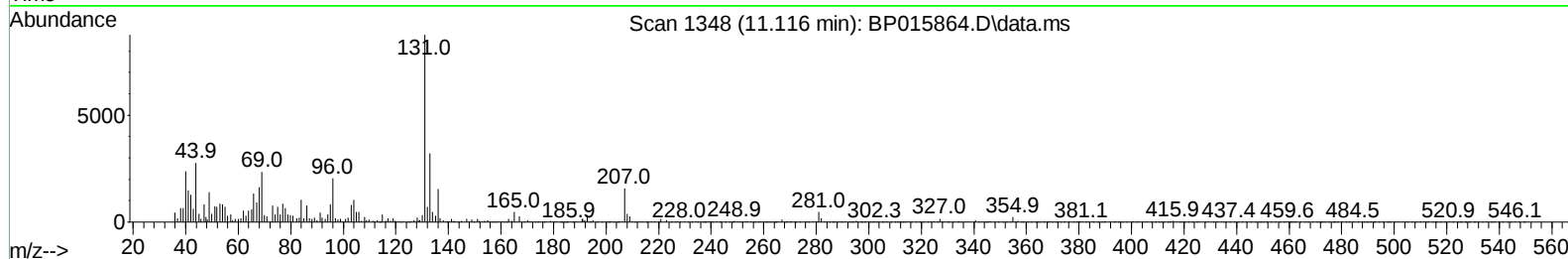
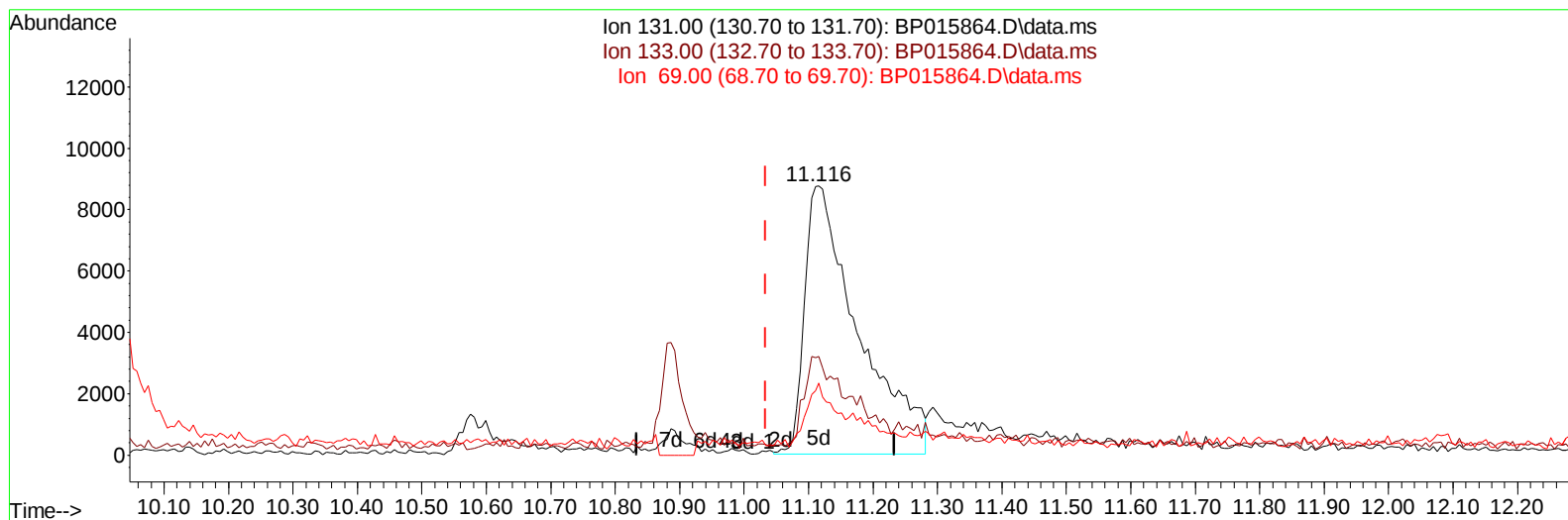
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
 Data File : BP015864.D
 Acq On : 01 Jul 2023 02:28
 Operator : MA/JU
 Sample : 03161-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFW9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:11:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 30 22:30:25 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015864.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.116min (+ 0.082) 2.57 ng/ul m

response 50951

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	34.50	36.60
69.00	22.20	26.79#
0.00	0.00	0.00

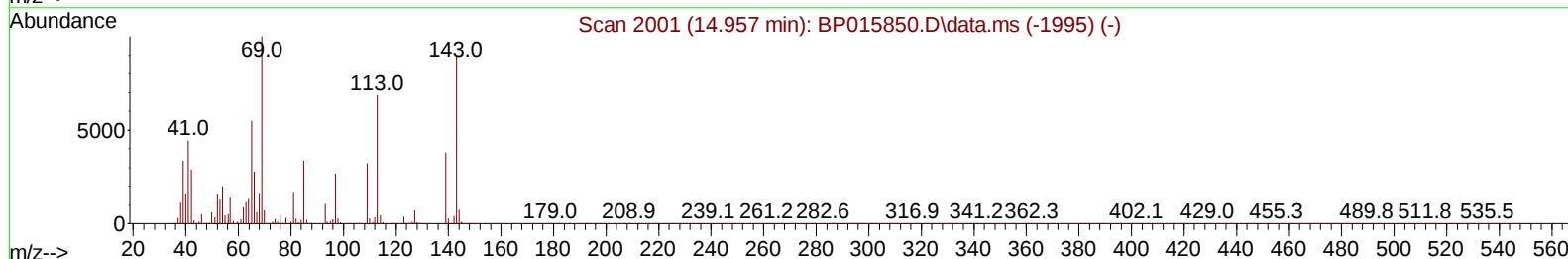
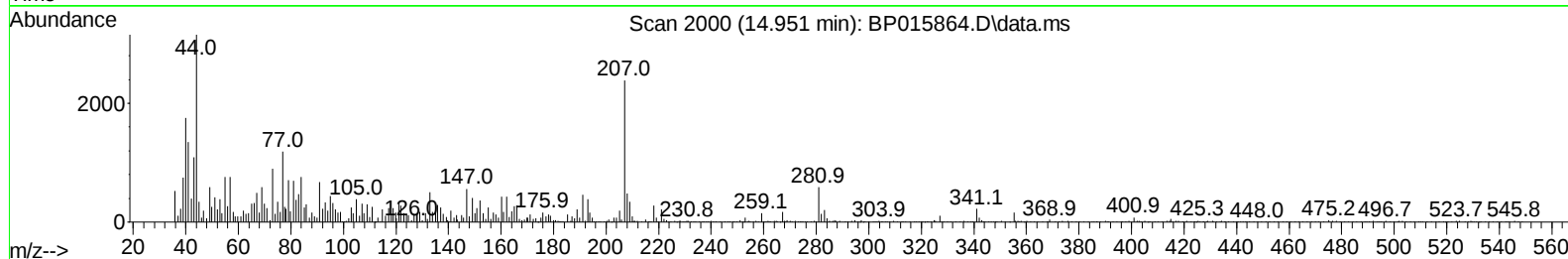
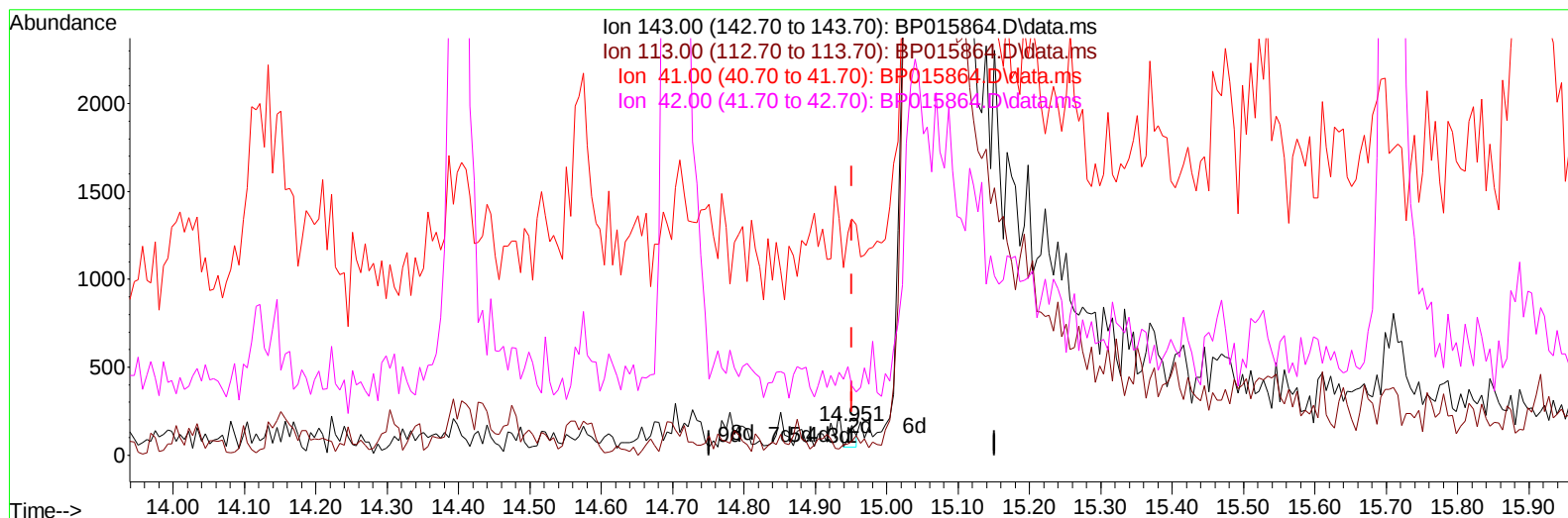
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
Data File : BP015864.D
Acq On : 01 Jul 2023 02:28
Operator : MA/JU
Sample : 03161-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCFV9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:11:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 30 22:30:25 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



TIC: BP015864.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.951min (+ 0.000) 0.02 ng/u1

response 84

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	94.00	46.43#
41.00	45.70	800.00#
42.00	31.20	236.31#

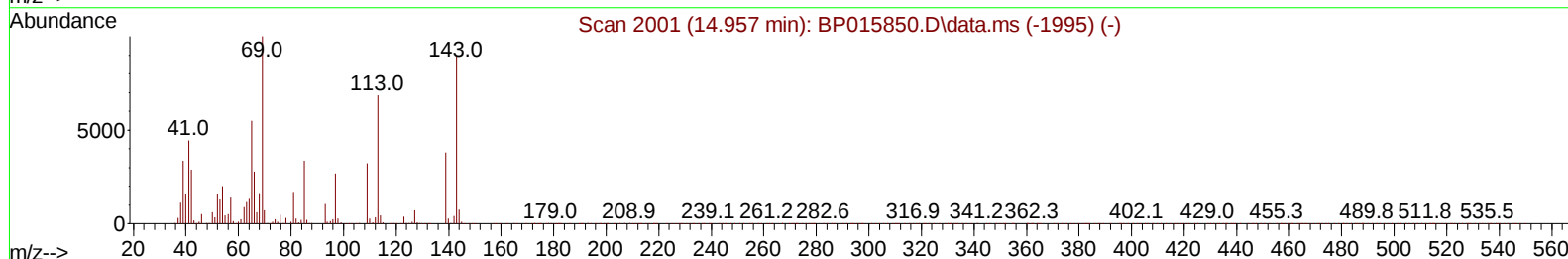
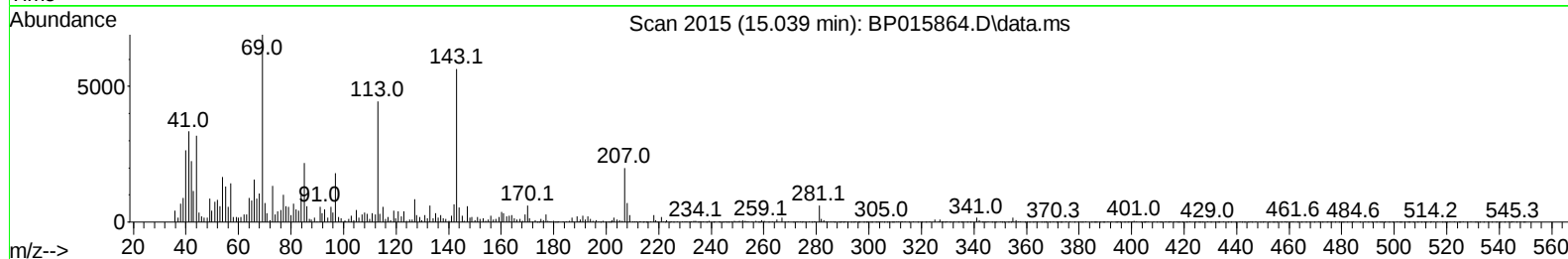
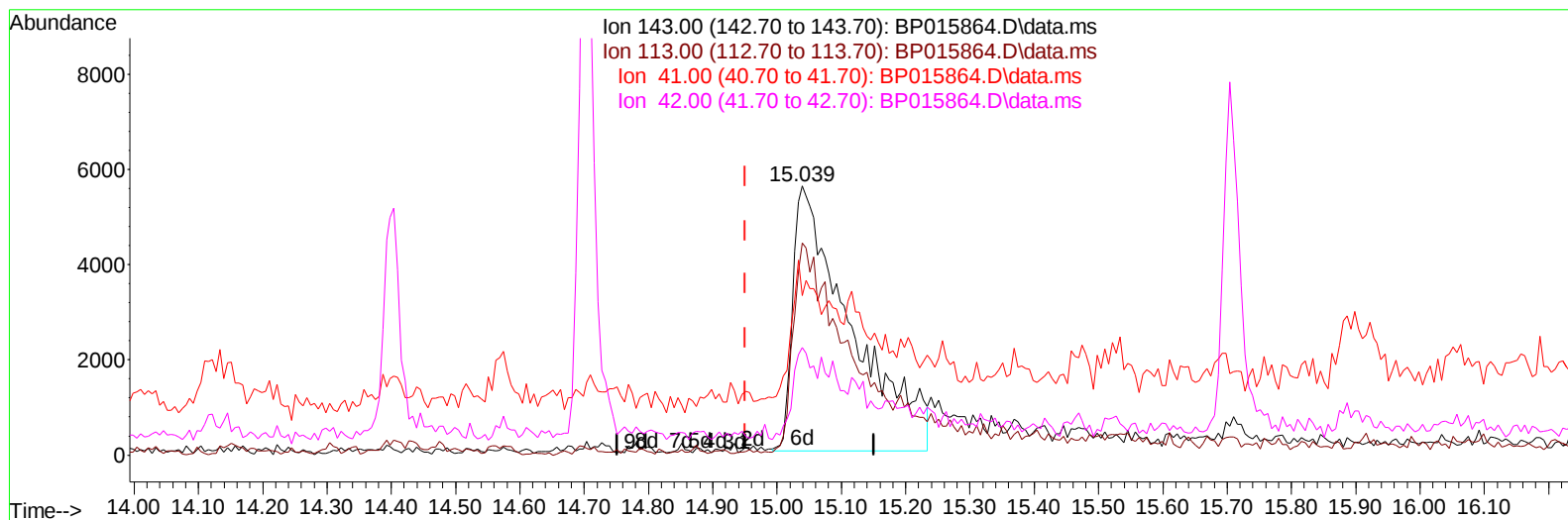
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
Data File : BP015864.D
Acq On : 01 Jul 2023 02:28
Operator : MA/JU
Sample : 03161-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCFW9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:12:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 30 22:30:25 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



TIC: BP015864.D\data.ms

(54) 4-Nitrophenol-d4 (S)

15.039min (+ 0.088) 6.35 ng/ul m

response 34777

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	94.00	78.95
41.00	45.70	59.22#
42.00	31.20	39.89#

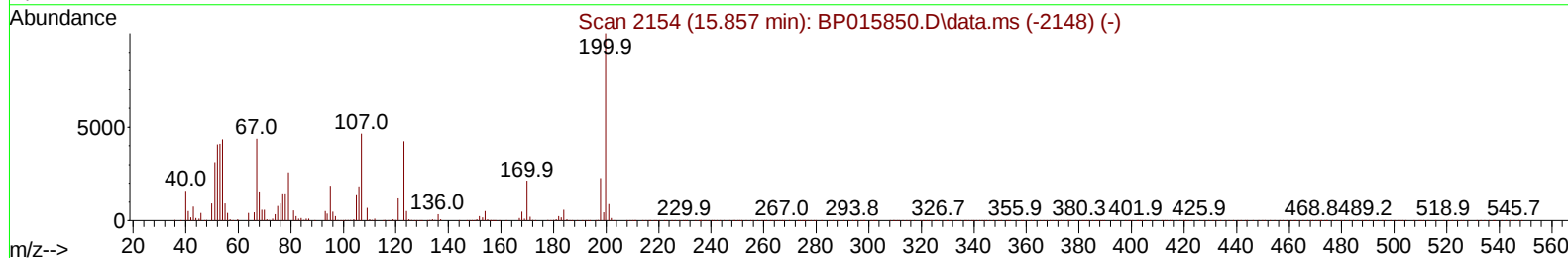
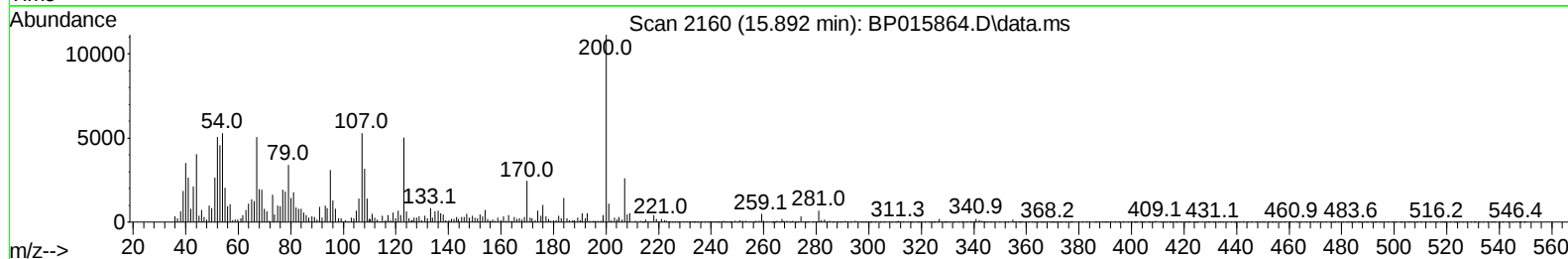
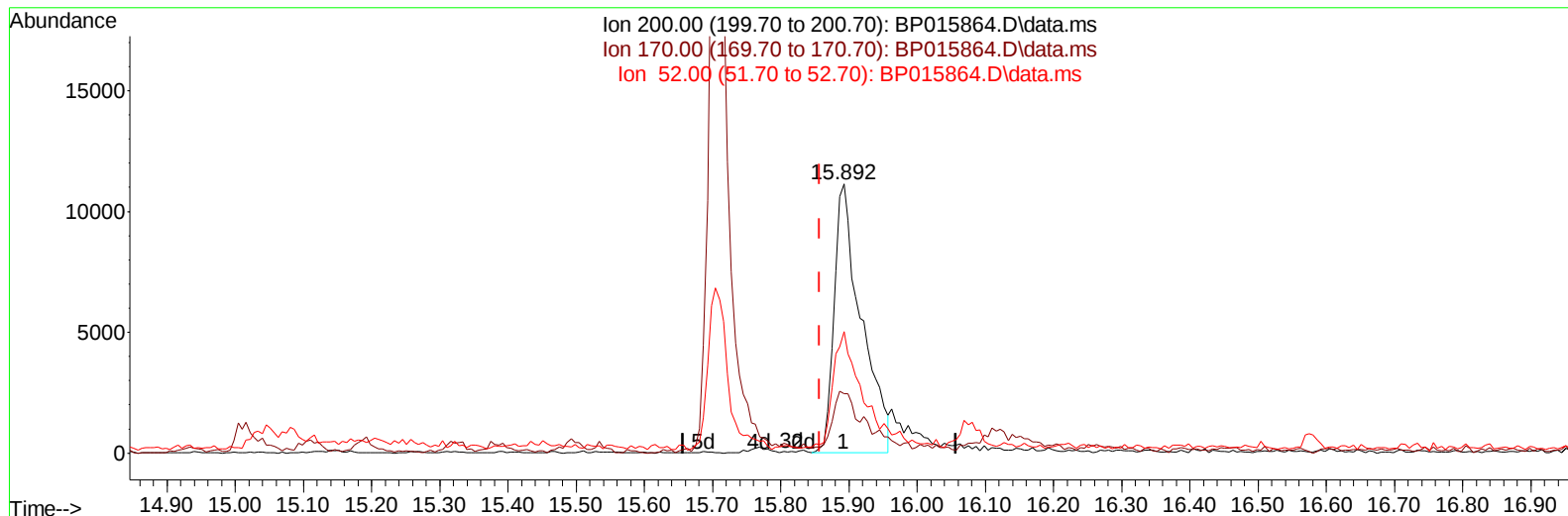
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
Data File : BP015864.D
Acq On : 01 Jul 2023 02:28
Operator : MA/JU
Sample : 03161-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCFV9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:12:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 30 22:30:25 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



TIC: BP015864.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.892min (+ 0.035) 5.05 ng/u1

response 30791

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	24.30	21.99
52.00	52.20	45.28
0.00	0.00	0.00

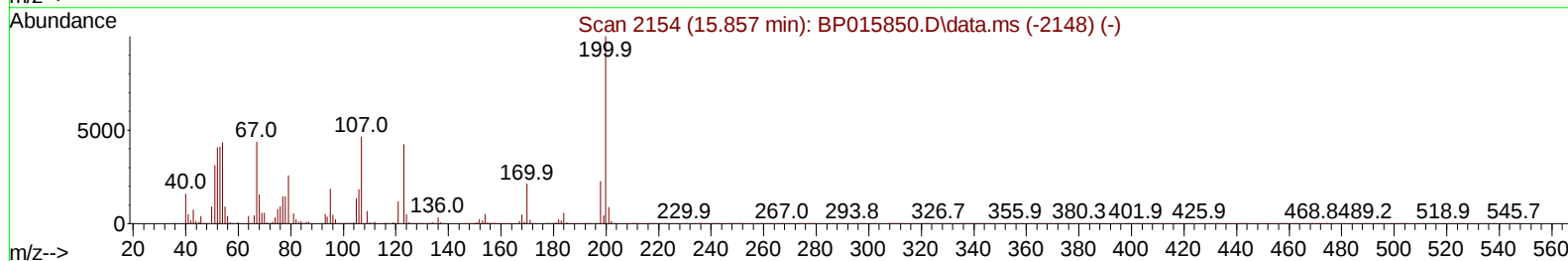
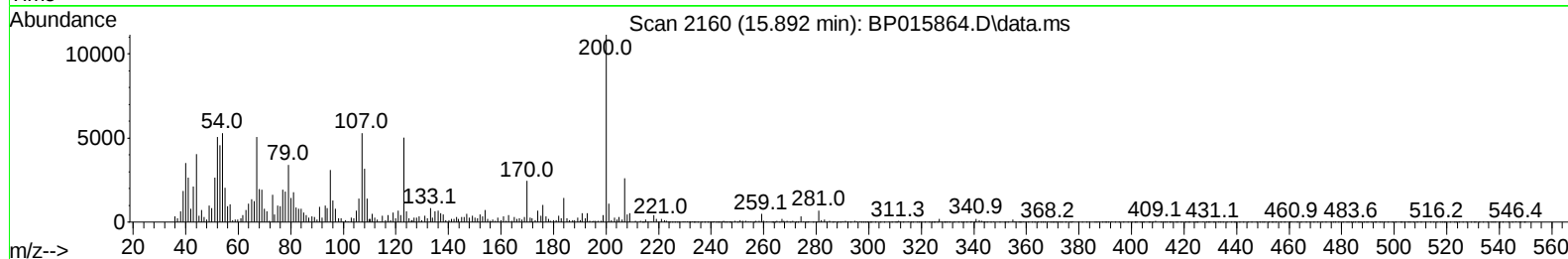
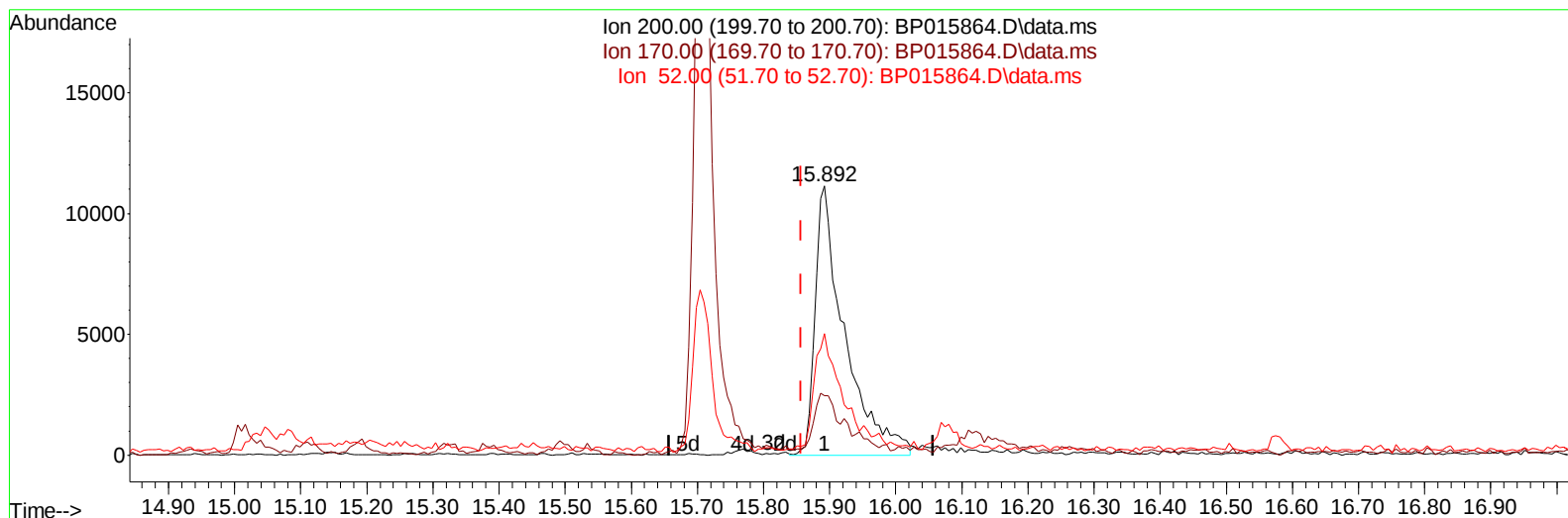
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
 Data File : BP015864.D
 Acq On : 01 Jul 2023 02:28
 Operator : MA/JU
 Sample : 03161-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFW9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:12:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 30 22:30:25 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015864.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.892min (+ 0.035) 5.67 ng/ul m

response 34576

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	24.30	21.99
52.00	52.20	45.28
0.00	0.00	0.00

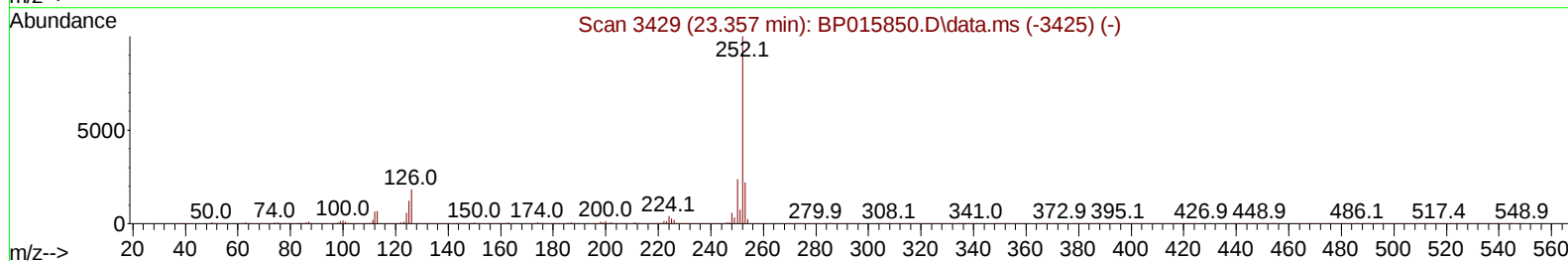
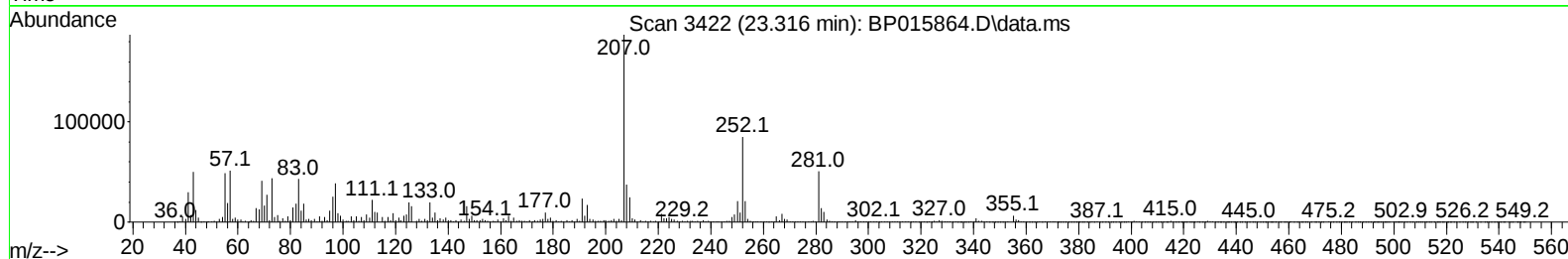
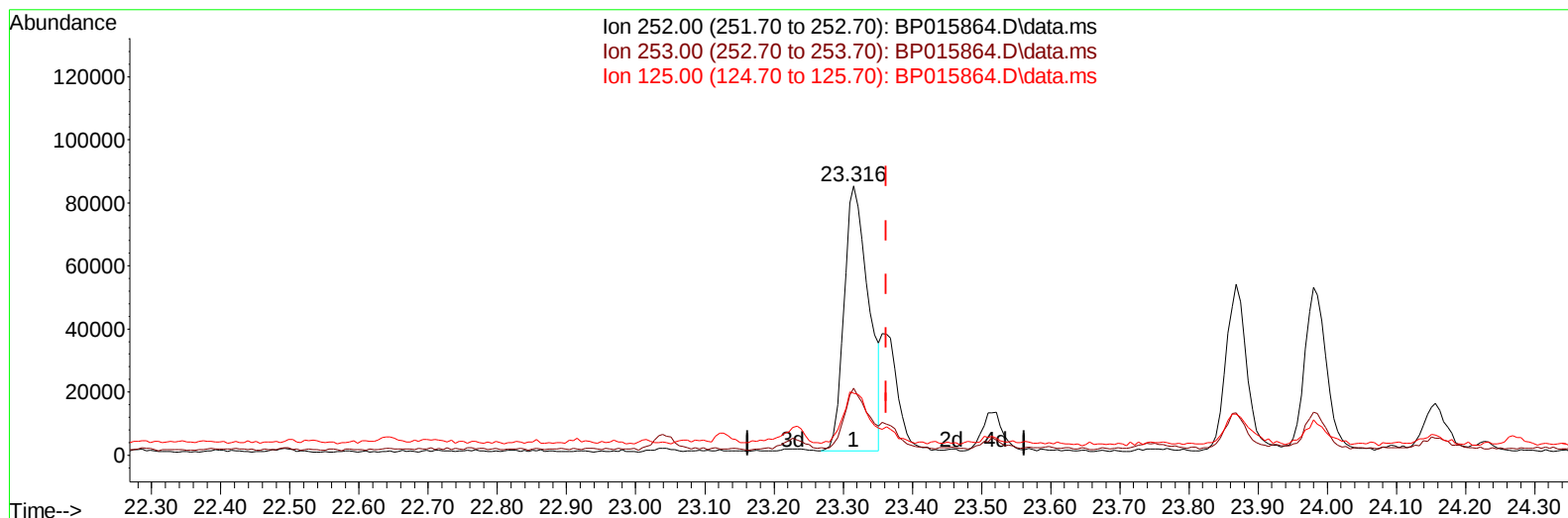
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
 Data File : BP015864.D
 Acq On : 01 Jul 2023 02:28
 Operator : MA/JU
 Sample : 03161-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFW9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:13:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 30 22:30:25 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015864.D\data.ms

(91) Benzo(k)fluoranthene

23.316min (-0.047) 3.24 ng/u1

response 207660

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.20	24.83
125.00	9.10	22.96#
0.00	0.00	0.00

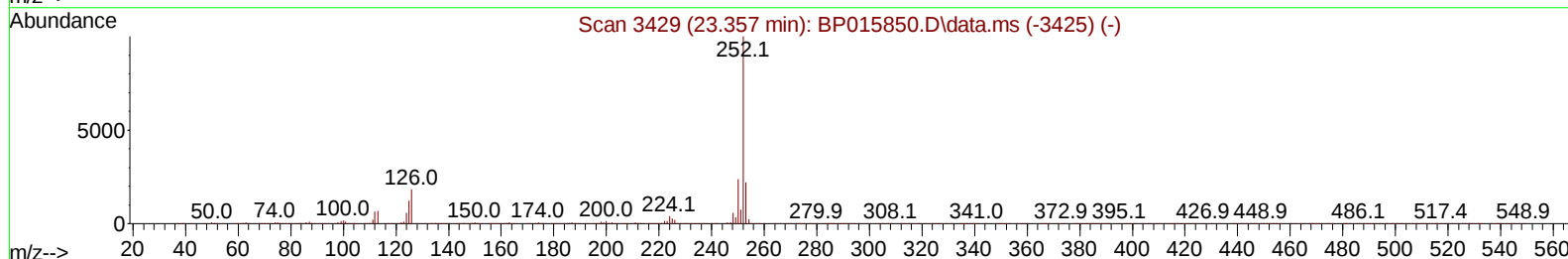
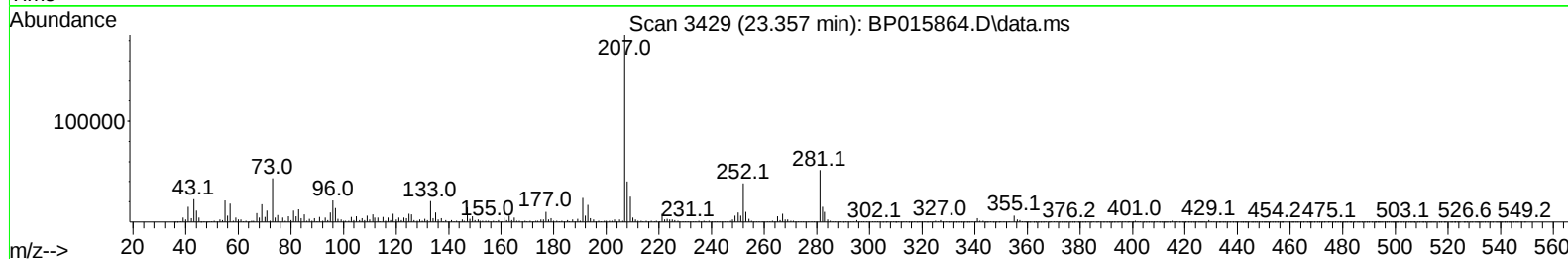
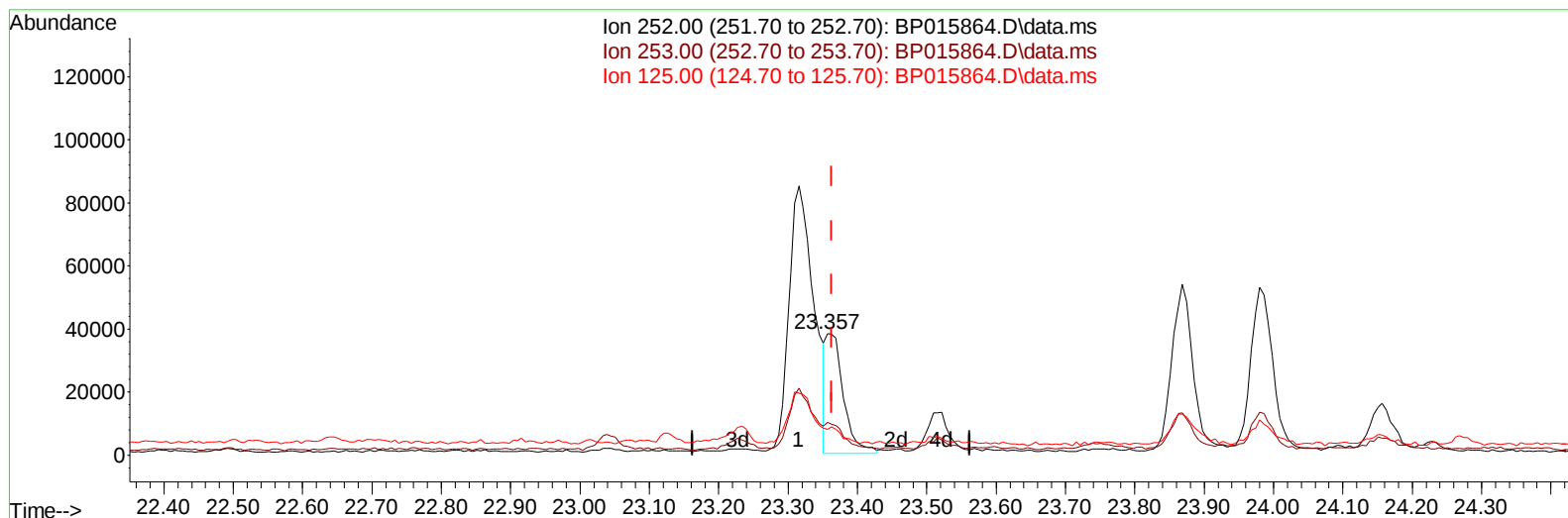
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
 Data File : BP015864.D
 Acq On : 01 Jul 2023 02:28
 Operator : MA/JU
 Sample : 03161-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFW9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:13:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 30 22:30:25 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015864.D\data.ms

(91) Benzo(k)fluoranthene

23.357min (-0.006) 1.03 ng/ul m

response 66254

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.20	27.03#
125.00	9.10	21.30#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
 Data File : BP015864.D
 Acq On : 01 Jul 2023 02:28
 Operator : MA/JU
 Sample : 03161-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFW9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023

Quant Time: Jul 01 03:14:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 30 22:30:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.052	152	236226	20.000	ng/ul	0.00
20) Naphthalene-d8	10.881	136	972302	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.704	164	537141	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.463	188	991398	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.557	240	839558	20.000	ng/ul	# 0.00
88) Perylene-d12	24.098	264	986189	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	14151	2.155	ng/uL	0.00
4) Pyridine-d5	3.834	84	90270	5.454	ng/ul	0.01
7) Phenol-d5	7.246	99	215118	10.643	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.381	67	166901m	13.347	ng/ul	0.00
11) 2-Chlorophenol-d4	7.587	132	191438	12.547	ng/ul	0.00
15) 4-Methylphenol-d8	8.810	113	87739	5.495	ng/ul	0.03
21) Nitrobenzene-d5	9.257	128	78892	10.617	ng/ul	0.02
24) 2-Nitrophenol-d4	9.987	143	91059	10.500	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	10.575	165	140367	9.083	ng/ul	0.06
31) 4-Chloroaniline-d4	11.116	131	50951m	2.566	ng/ul	0.08
46) Dimethylphthalate-d6	14.116	166	527883	12.715	ng/ul	0.00
49) Acenaphthylene-d8	14.398	160	592352	12.692	ng/ul	0.00
54) 4-Nitrophenol-d4	15.039	143	34777m	6.348	ng/ul	0.09
60) Fluorene-d10	15.704	176	428941	12.548	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.892	200	34576m	5.671	ng/ul	0.04
73) Anthracene-d10	17.575	188	539290	11.909	ng/ul	0.01
81) Pyrene-d10	19.792	212	668565	12.195	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.927	264	628749	12.639	ng/ul	0.00
Target Compounds						
					Qvalue	
80) Fluoranthene	19.469	202	108325	1.590	ng/ul#	92
82) Pyrene	19.822	202	95797	1.378	ng/ul#	85
85) Benzo(a)anthracene	21.539	228	73697	1.248	ng/ul#	93
87) Chrysene	21.592	228	101200	1.806	ng/ul	96
90) Benzo(b)fluoranthene	23.316	252	207660	3.277	ng/ul#	84
91) Benzo(k)fluoranthene	23.357	252	66254m	1.035	ng/ul	
93) Benzo(a)pyrene	23.980	252	111666	2.017	ng/ul#	86
94) Indeno(1,2,3-cd)pyrene	26.809	276	109027	1.451	ng/ul#	91
96) Benzo(g,h,i)perylene	27.645	276	100316	1.622	ng/ul#	85

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
Data File : BP015864.D
Acq On : 01 Jul 2023 02:28
Operator : MA/JU
Sample : 03161-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCFV9

Manual IntegrationsAPPROVED

Quant Time: Jul 01 03:14:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 30 22:30:25 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

