

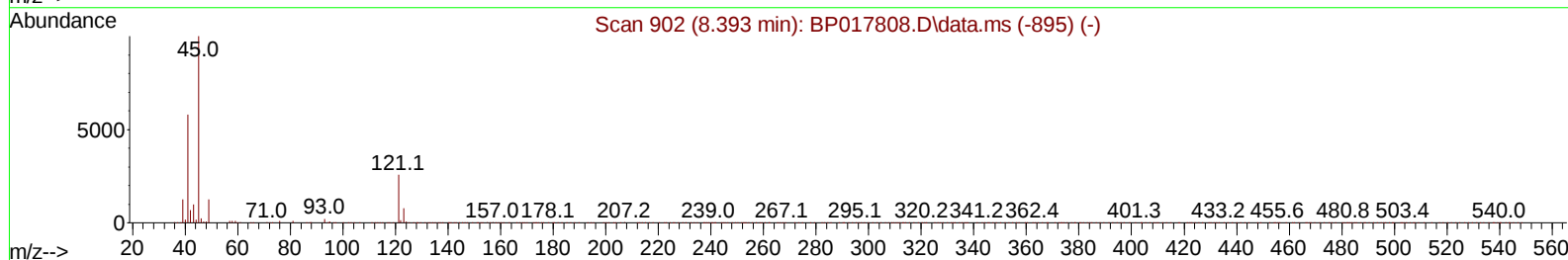
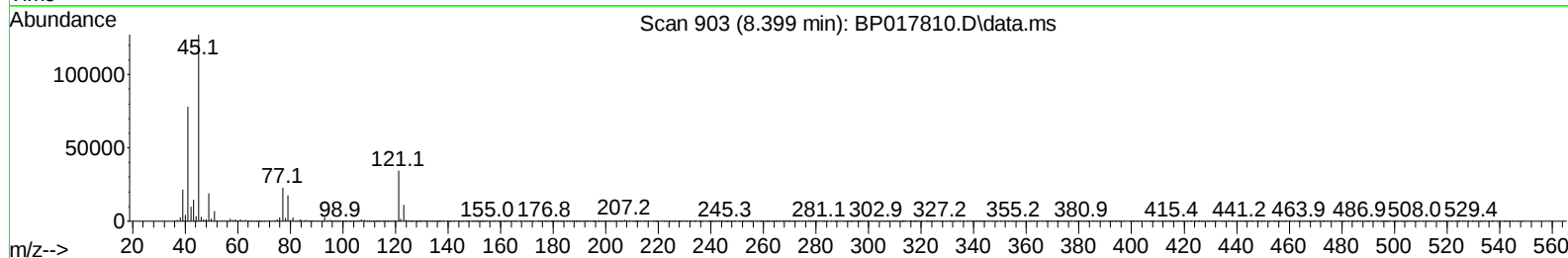
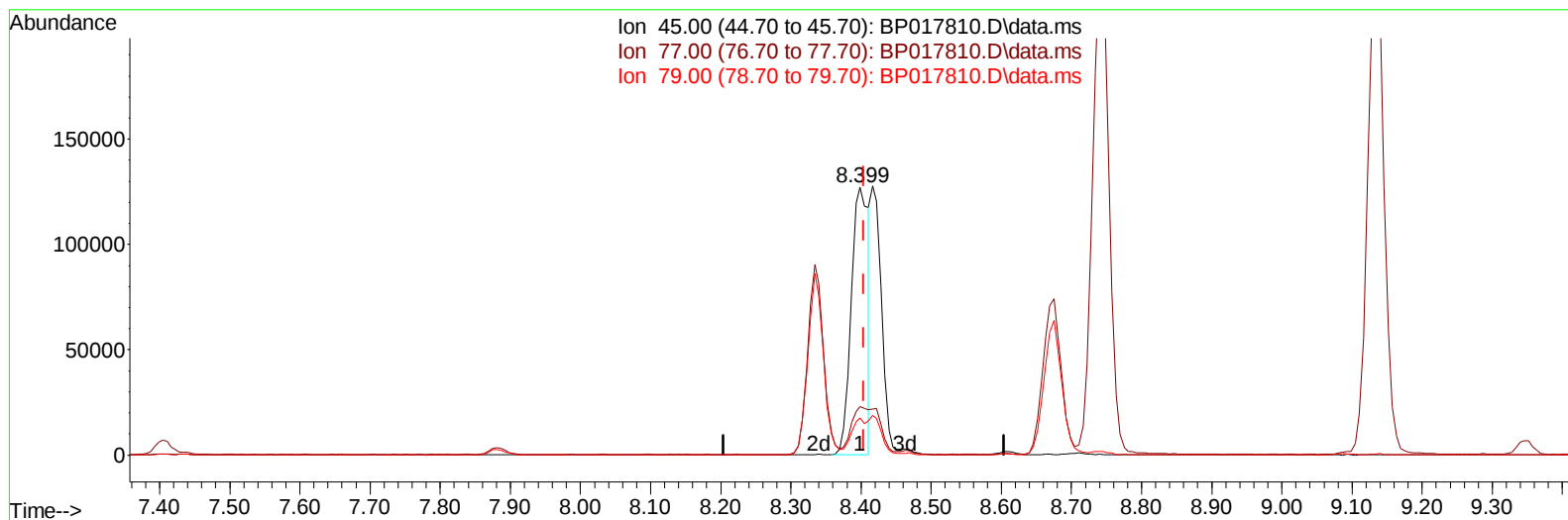
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
 Data File : BP017810.D
 Acq On : 25 Oct 2023 19:16
 Operator : MA/JU
 Sample : PB156616BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS616

Manual IntegrationsAPPROVED

Quant Time: Oct 26 04:57:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 01:32:15 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



TIC: BP017810.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.399min (-0.006) 19.99 ng/u1

response 216721

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	17.80	18.04
79.00	12.90	13.79
0.00	0.00	0.00

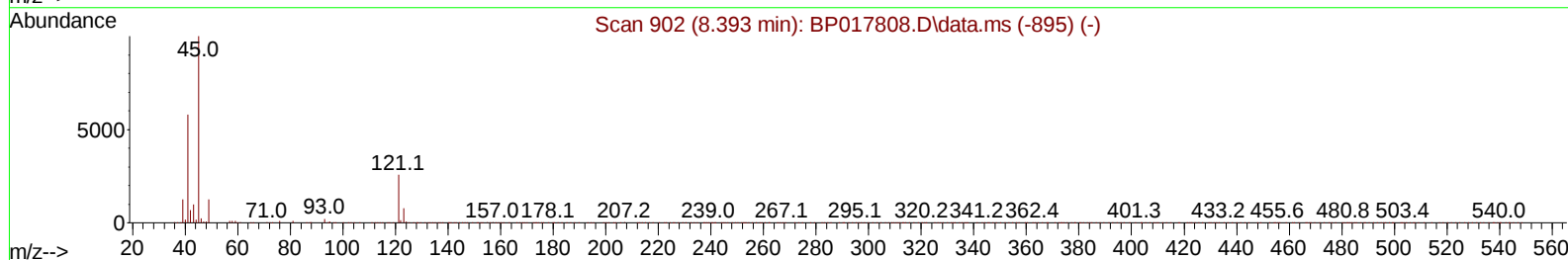
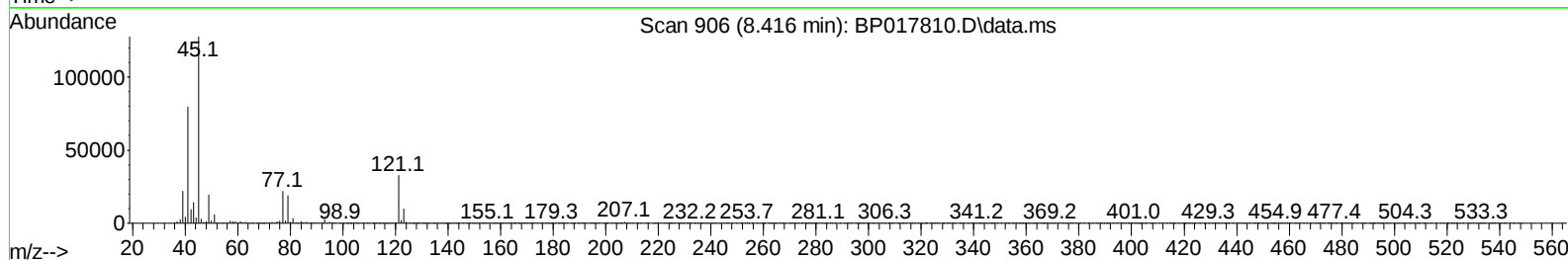
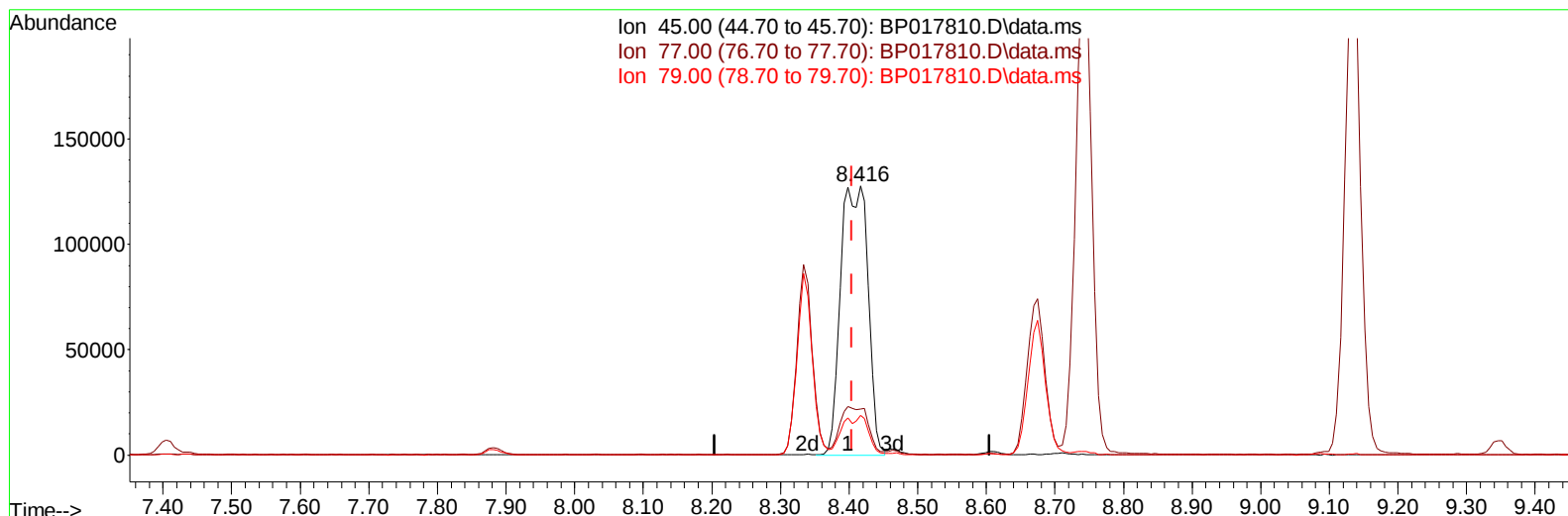
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
 Data File : BP017810.D
 Acq On : 25 Oct 2023 19:16
 Operator : MA/JU
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



TIC: BP017810.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.416min (+ 0.012) 32.56 ng/ul m

response 353026

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	17.80	17.18
79.00	12.90	14.80
0.00	0.00	0.00

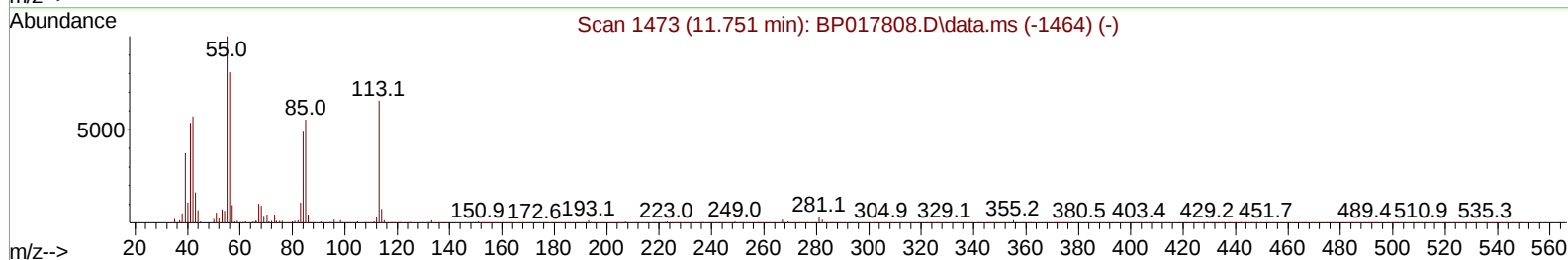
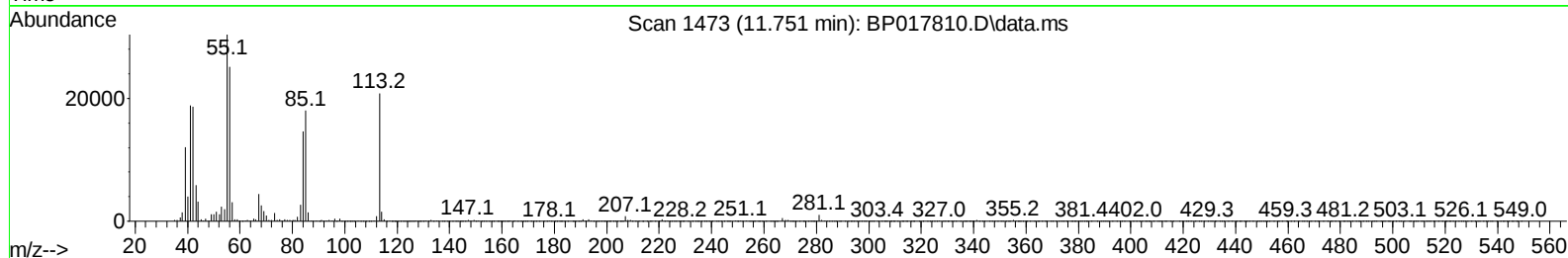
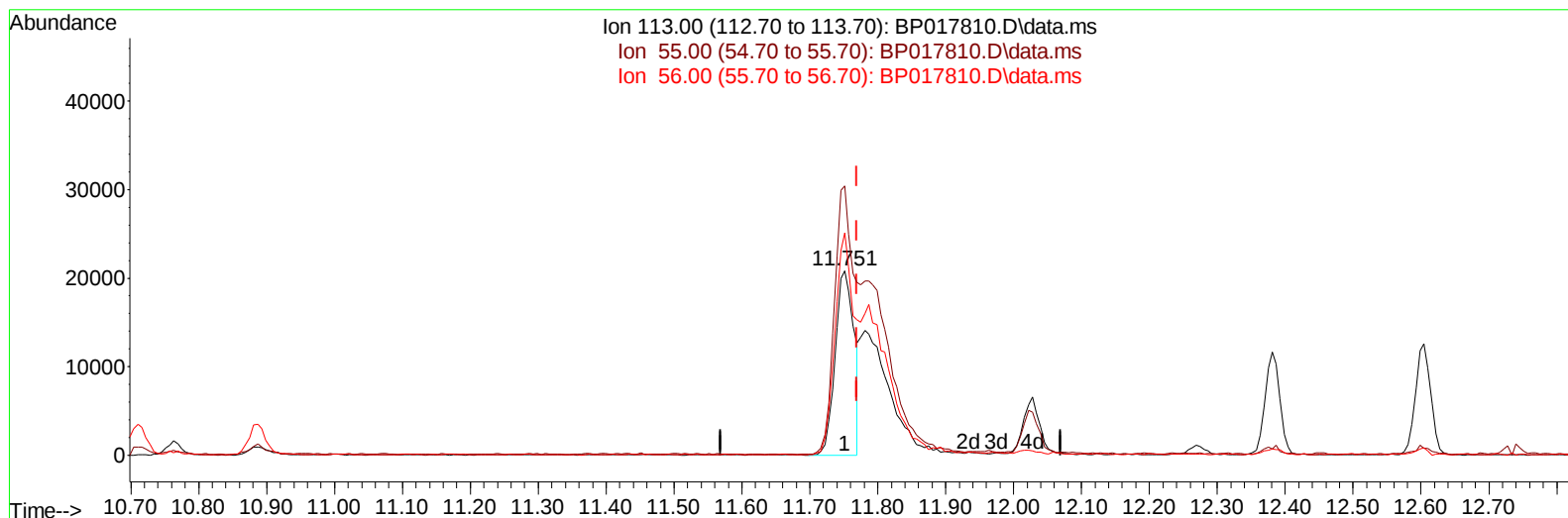
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
 Data File : BP017810.D
 Acq On : 25 Oct 2023 19:16
 Operator : MA/JU
 Sample : PB156616BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Oct 26 04:57:13 2023
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Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



TIC: BP017810.D\data.ms

(34) Caprolactam

11.751min (-0.018) 19.49 ng/ul

response 40244

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	140.10	145.87
56.00	108.80	120.69
0.00	0.00	0.00

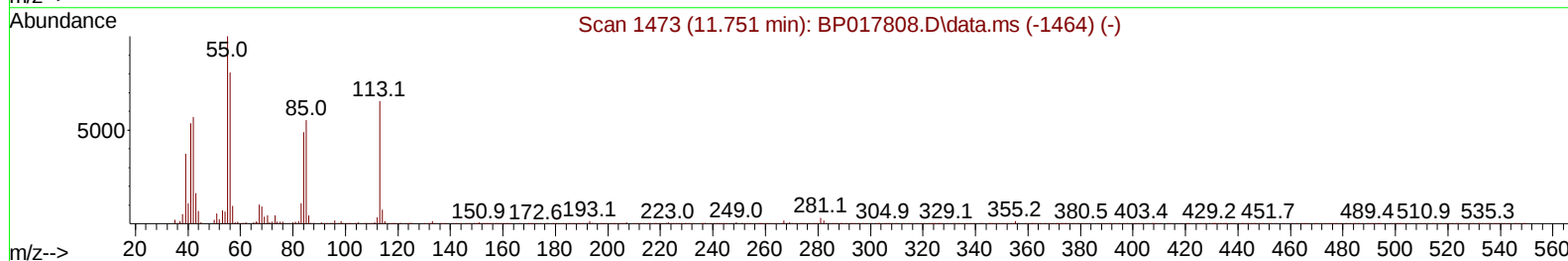
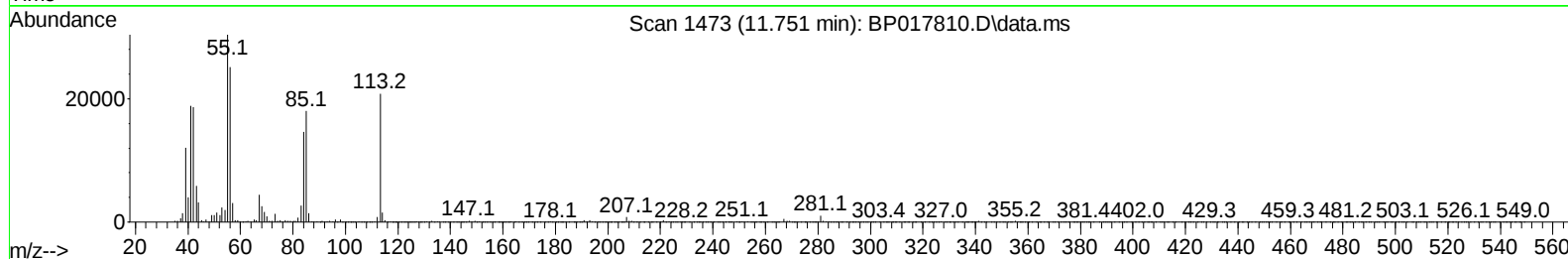
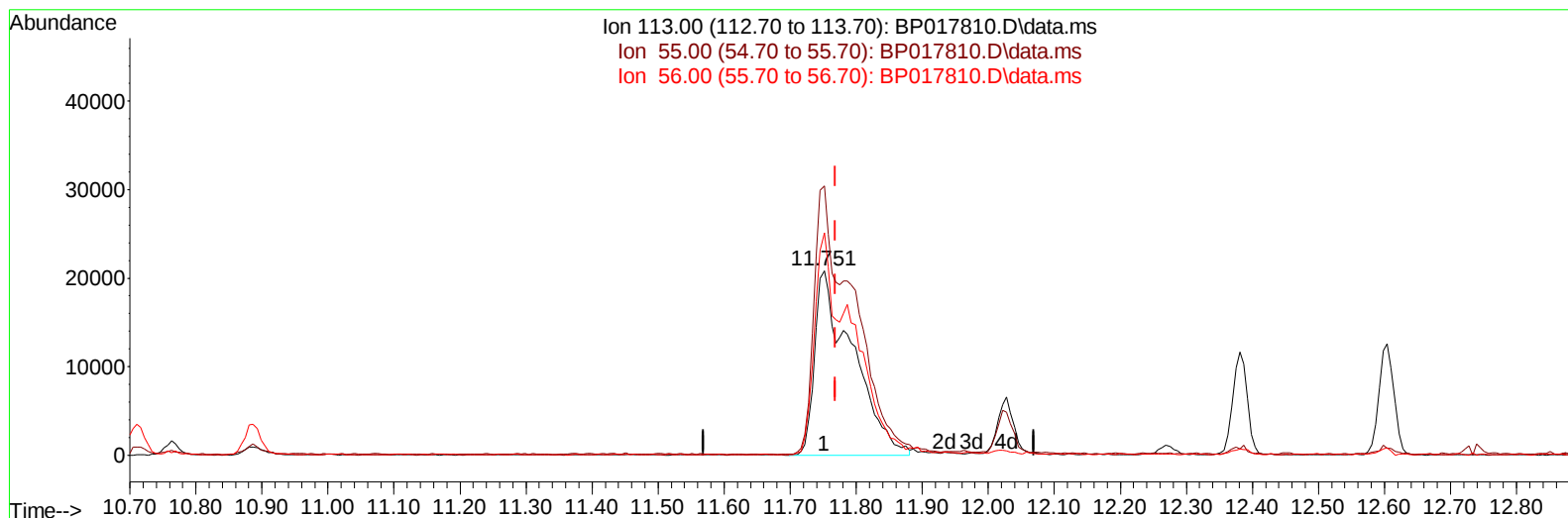
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
 Data File : BP017810.D
 Acq On : 25 Oct 2023 19:16
 Operator : MA/JU
 Sample : PB156616BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



TIC: BP017810.D\data.ms

(34) Caprolactam

11.751min (-0.018) 40.04 ng/ul m

response 82683

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	140.10	145.87
56.00	108.80	120.69
0.00	0.00	0.00

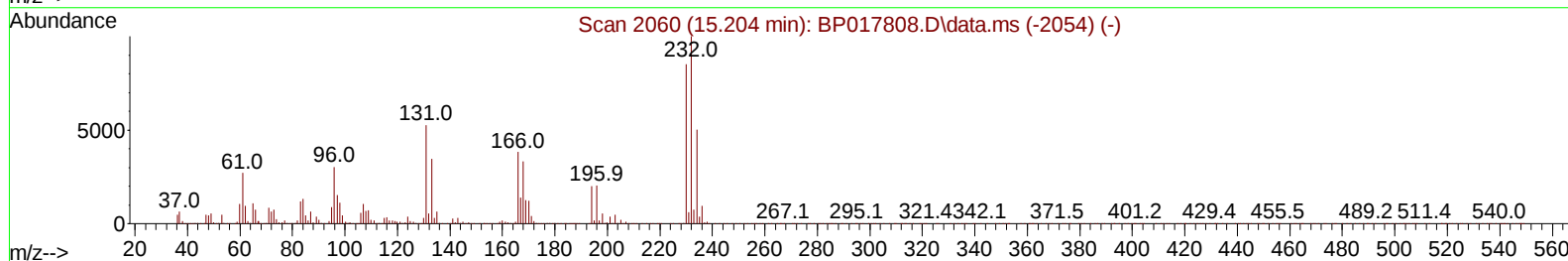
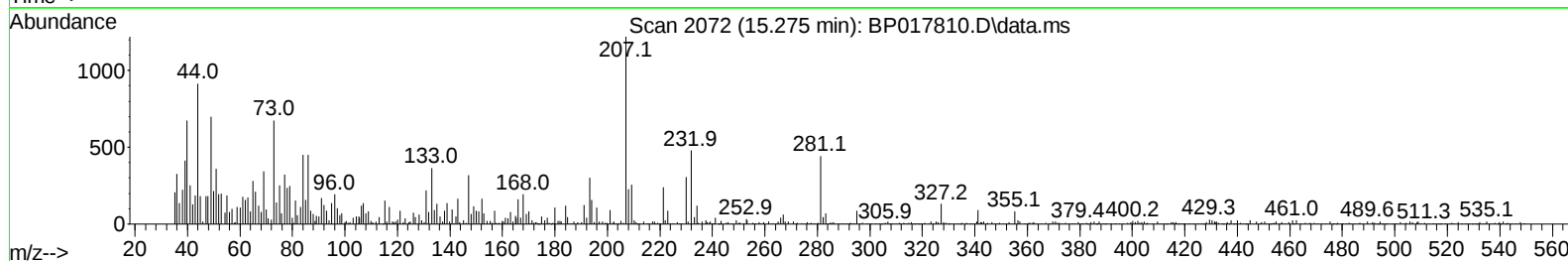
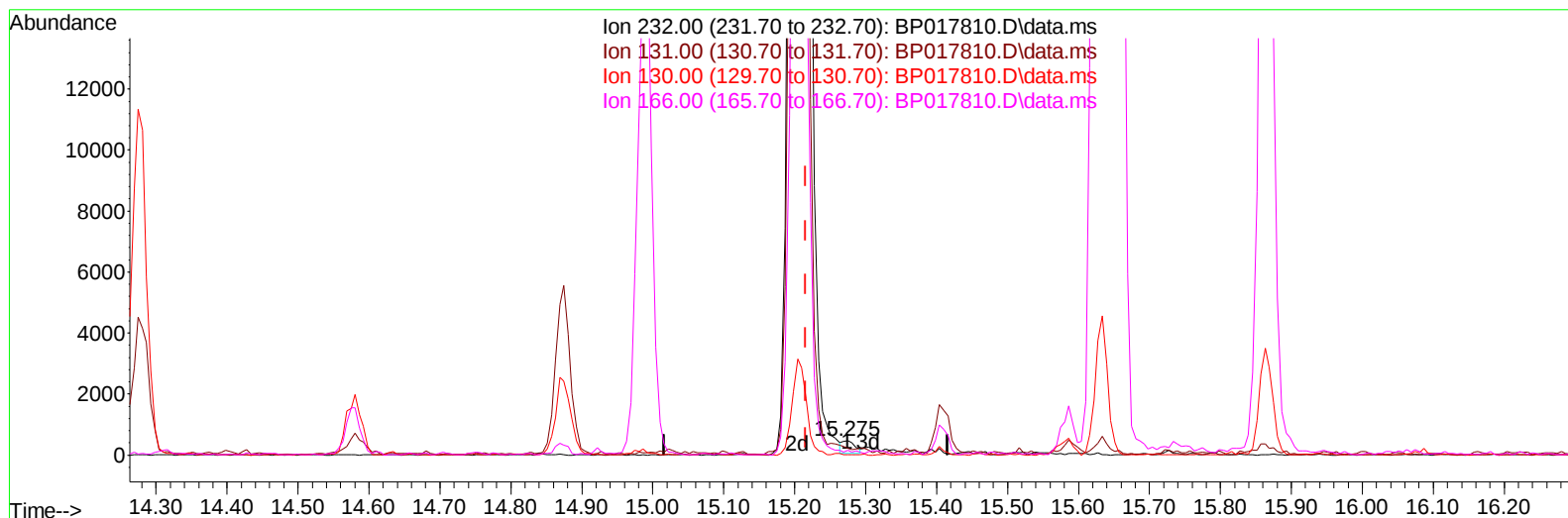
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
 Data File : BP017810.D
 Acq On : 25 Oct 2023 19:16
 Operator : MA/JU
 Sample : PB156616BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BP017810.D\data.ms

(58) 2,3,4,6-Tetrachlorophenol

15.275min (+ 0.059) 0.09 ng/u1

response 530

Ion	Exp%	Act%
232.00	100.00	100.00
131.00	41.10	46.14
130.00	2.30	2.51
166.00	29.10	34.03

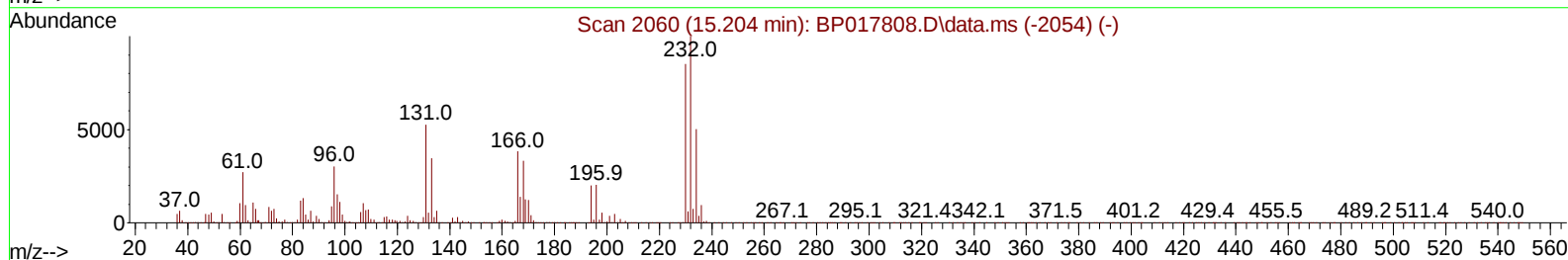
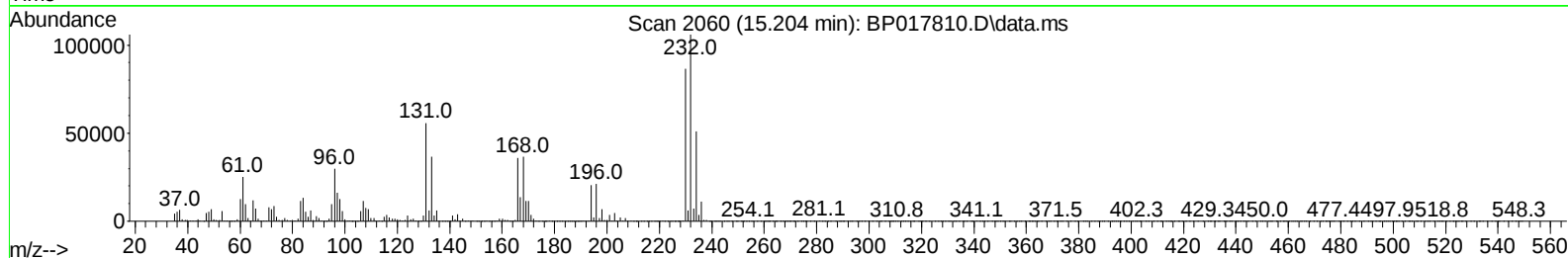
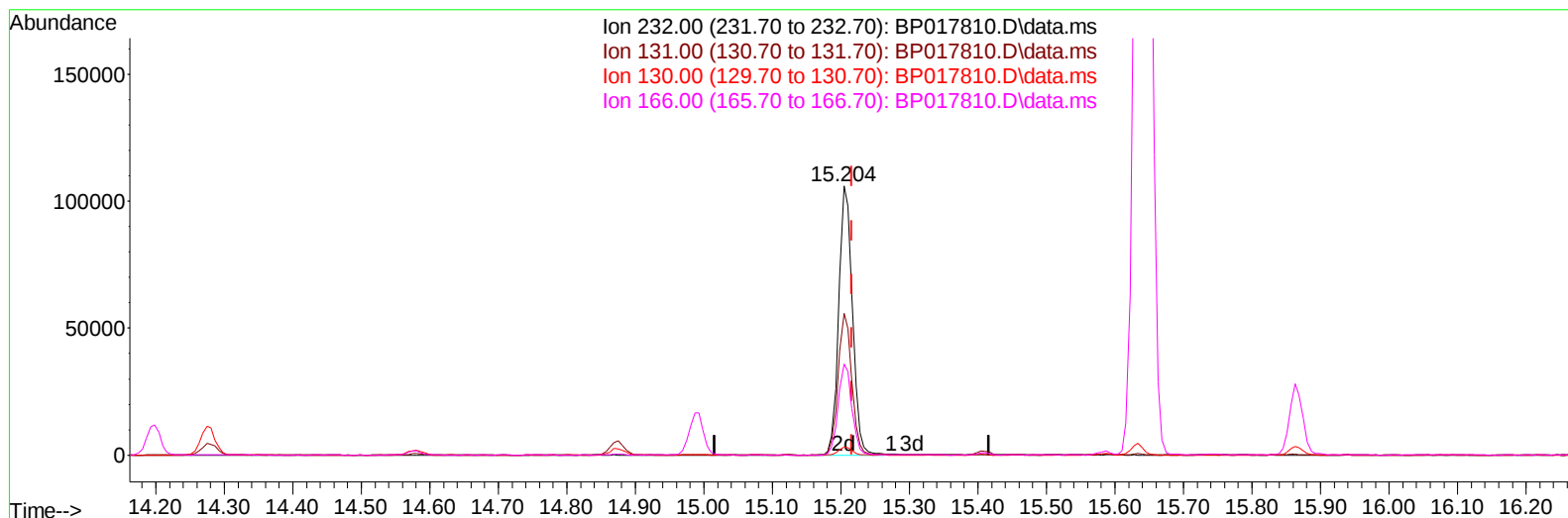
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
Data File : BP017810.D
Acq On : 25 Oct 2023 19:16
Operator : MA/JU
Sample : PB156616BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS616

Manual IntegrationsAPPROVED

Quant Time: Oct 26 04:57:13 2023
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QLast Update : Thu Oct 19 01:32:15 2023
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Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



TIC: BP017810.D\data.ms

(58) 2,3,4,6-Tetrachlorophenol

15.204min (-0.012) 25.82 ng/ul m

response 146919

Ion	Exp%	Act%
232.00	100.00	100.00
131.00	41.10	52.69#
130.00	2.30	2.97#
166.00	29.10	33.74

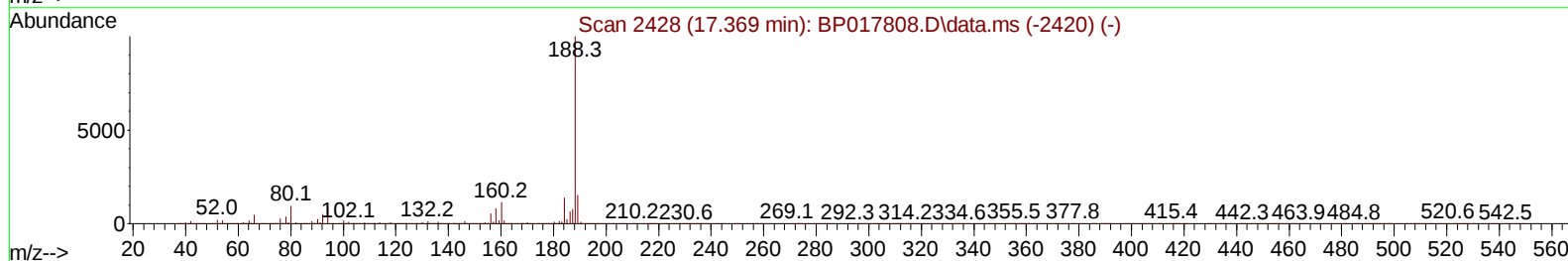
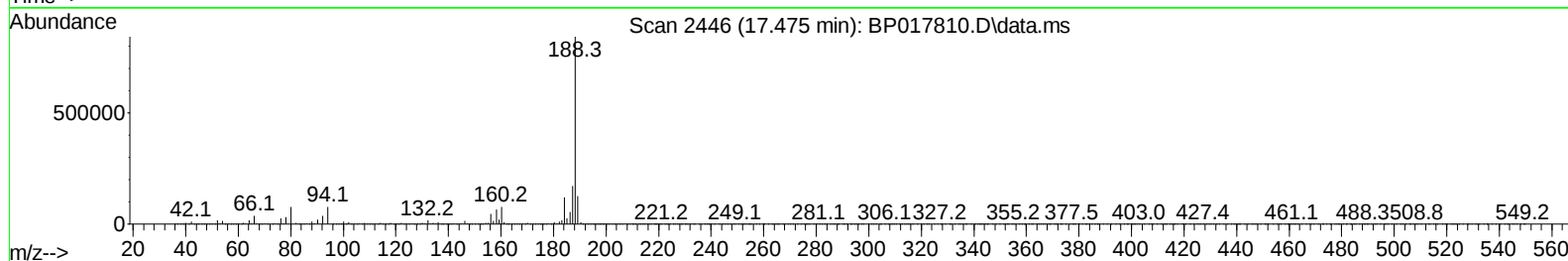
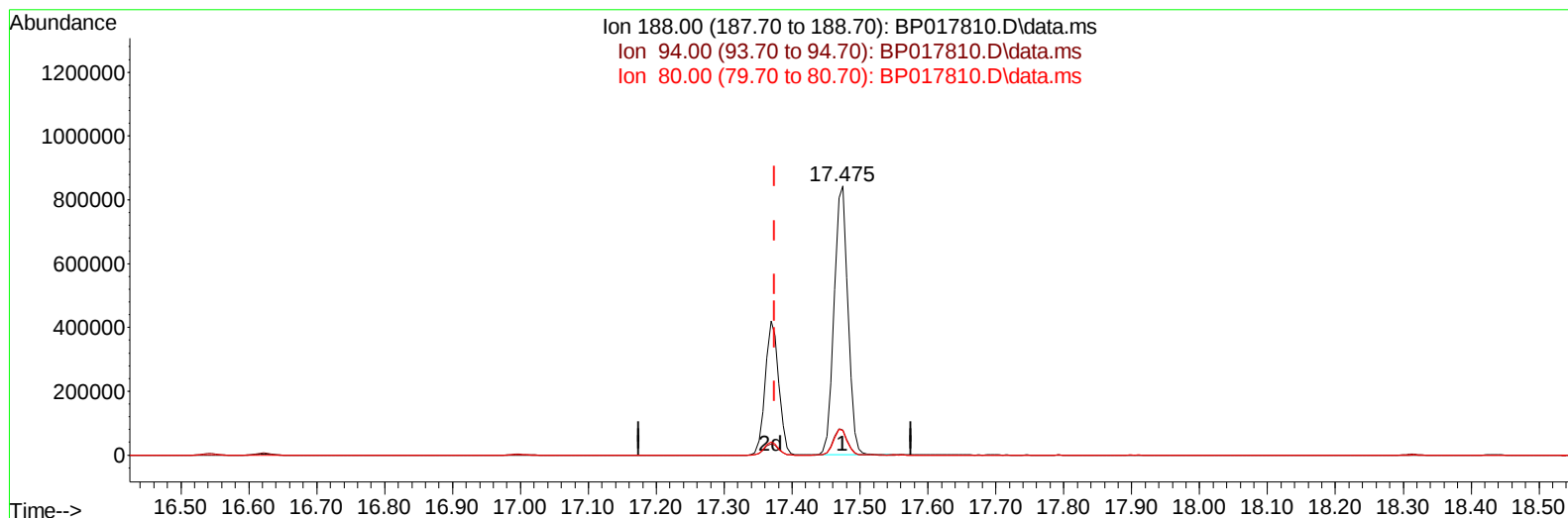
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
 Data File : BP017810.D
 Acq On : 25 Oct 2023 19:16
 Operator : MA/JU
 Sample : PB156616BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
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Manual IntegrationsAPPROVED

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TIC: BP017810.D\data.ms

(64) Phenanthrene-d10 (I)

17.475min (+ 0.100) 20.00 ng/u1

response 1186807

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.80	9.33
80.00	8.20	9.03
0.00	0.00	0.00

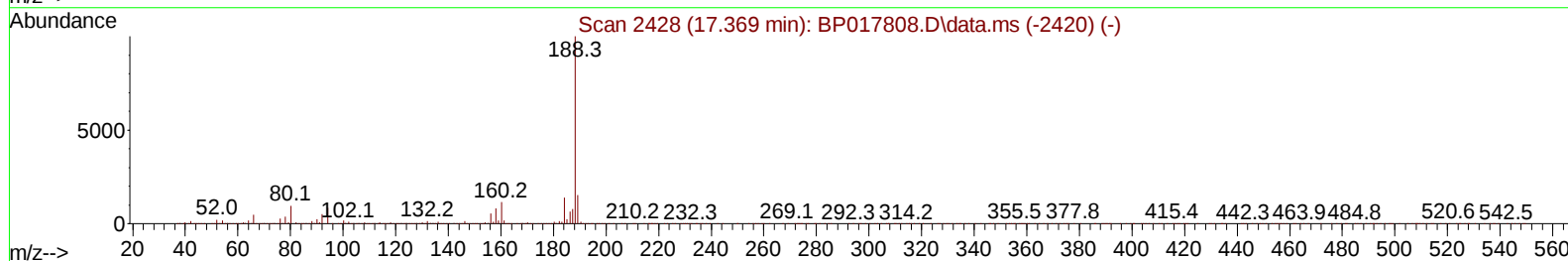
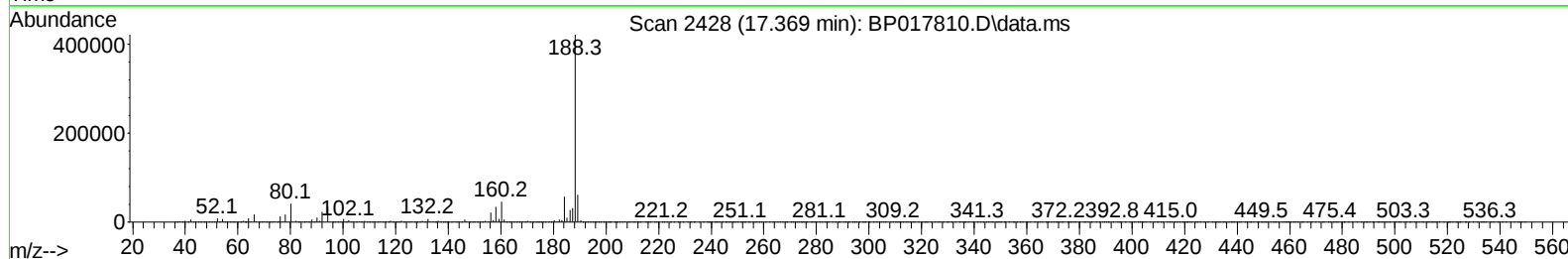
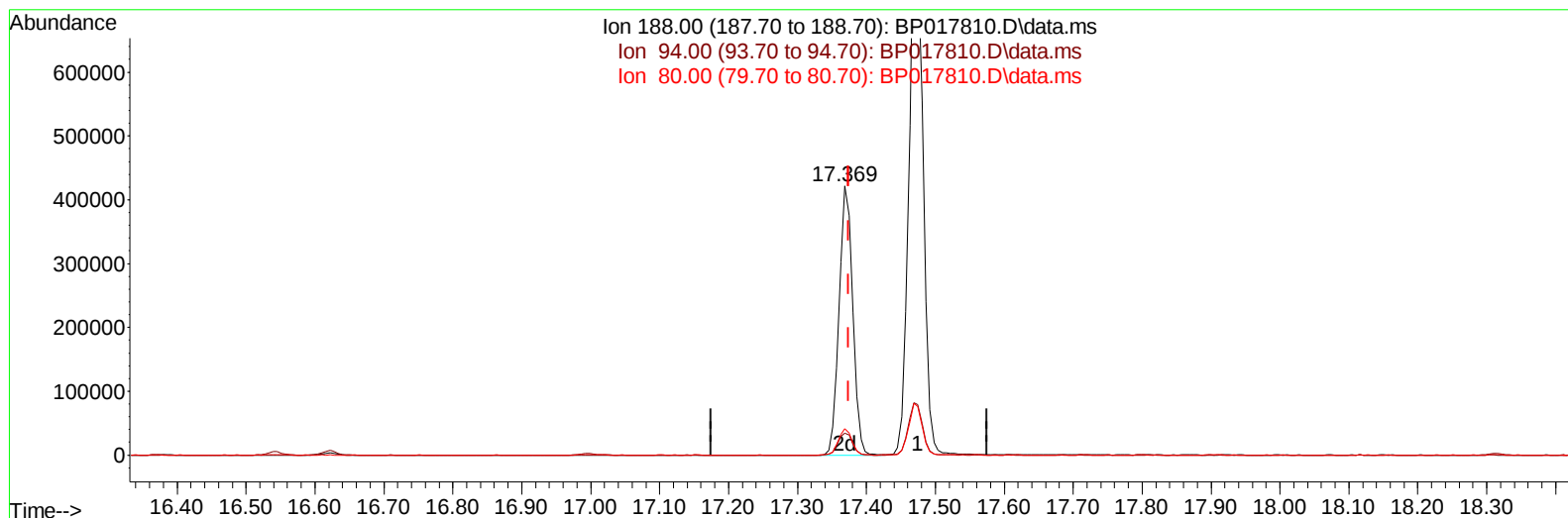
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
 Data File : BP017810.D
 Acq On : 25 Oct 2023 19:16
 Operator : MA/JU
 Sample : PB156616BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS616

Manual IntegrationsAPPROVED

Quant Time: Oct 26 04:57:13 2023
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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



TIC: BP017810.D\data.ms

(64) Phenanthrene-d10 (I)

17.369min (-0.006) 20.00 ng/ul m

response 578686

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.80	8.23
80.00	8.20	9.85#
0.00	0.00	0.00

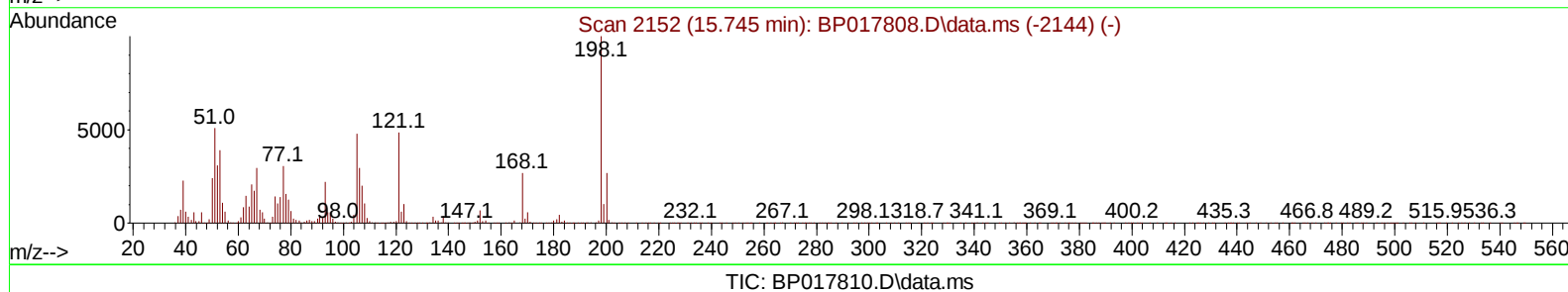
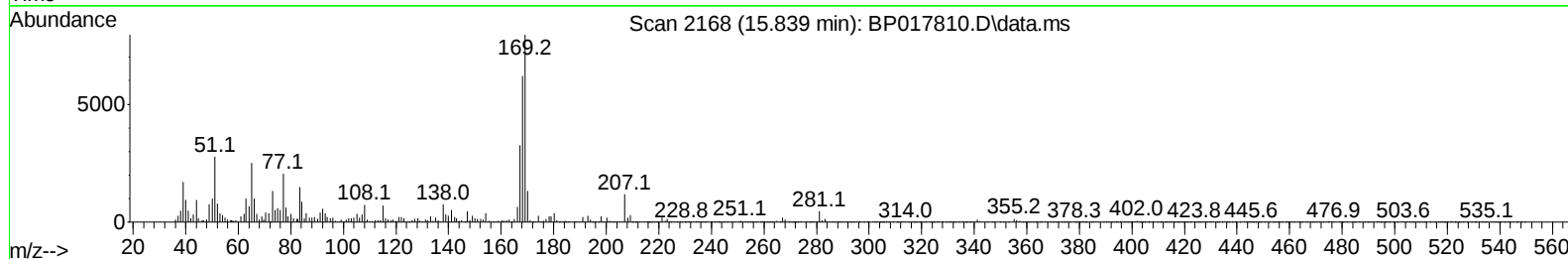
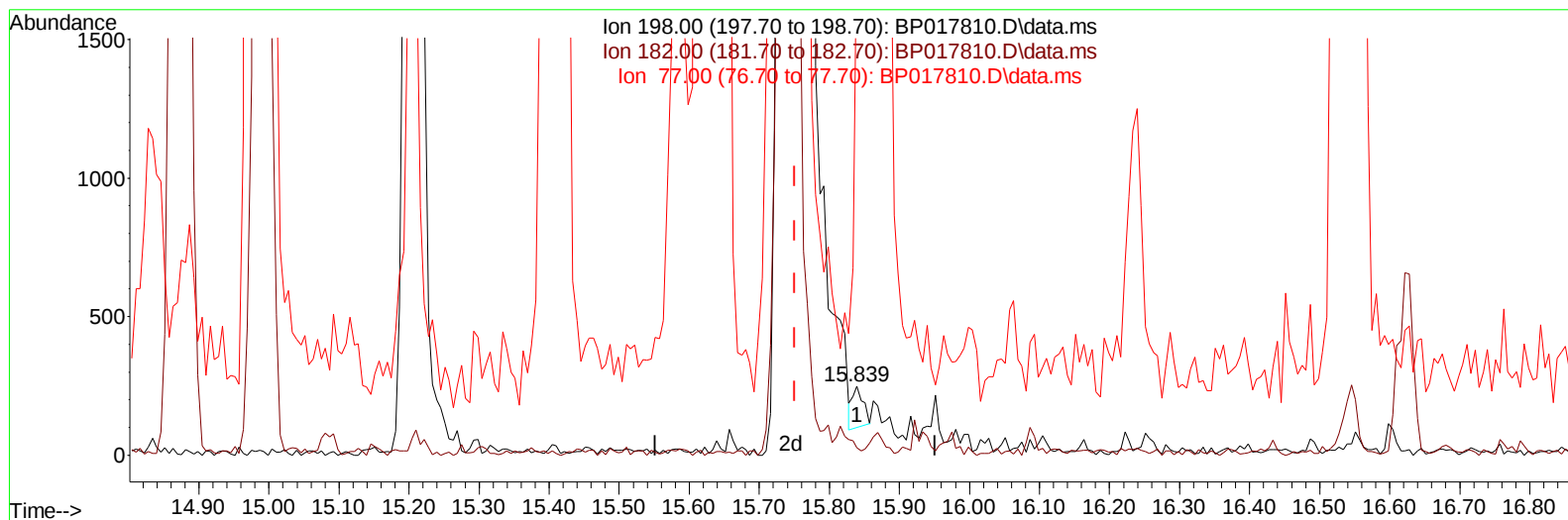
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
Data File : BP017810.D
Acq On : 25 Oct 2023 19:16
Operator : MA/JU
Sample : PB156616BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS616

Manual IntegrationsAPPROVED

Quant Time: Oct 26 05:33:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 01:32:15 2023
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Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



(66) 4,6-Dinitro-2-methylphenol

15.839min (+ 0.088) 0.04 ng/u1

response 158

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.90	10.48#
77.00	24.80	831.45#
0.00	0.00	0.00

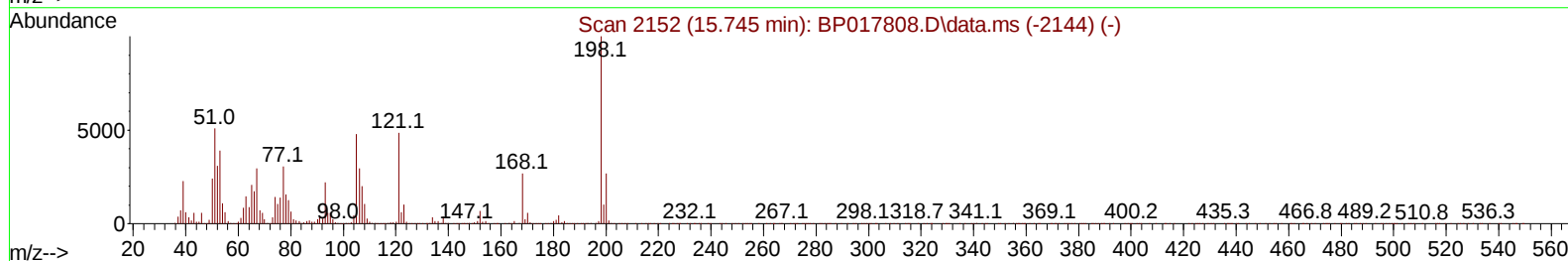
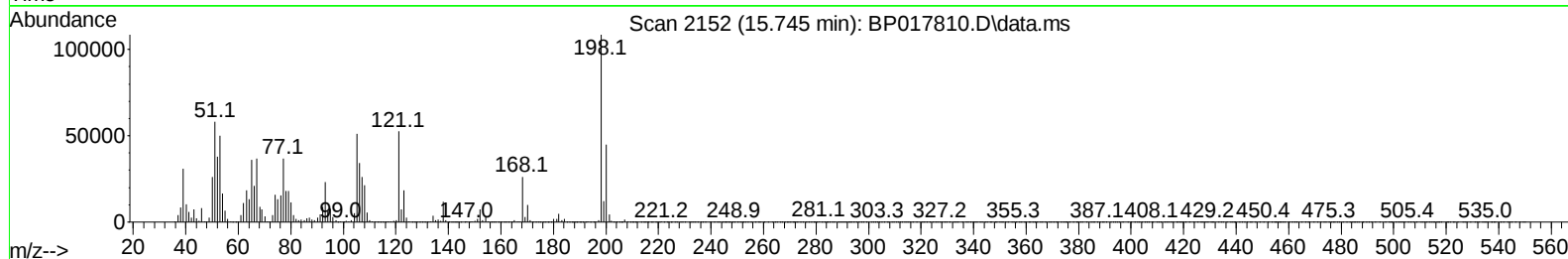
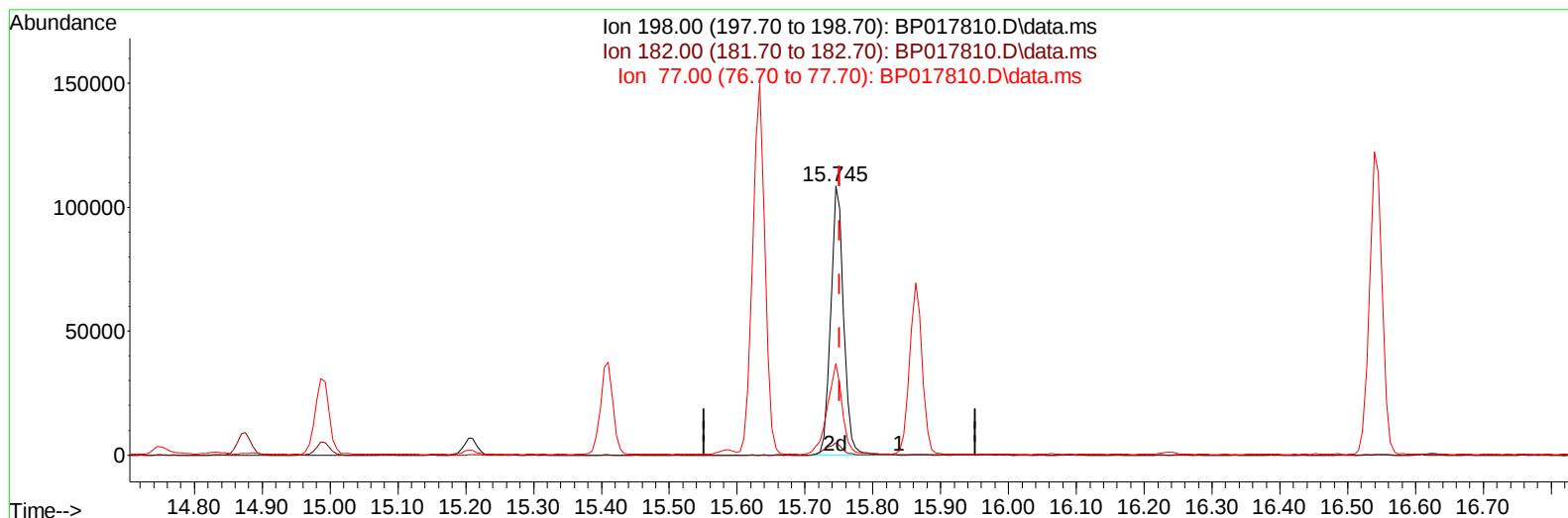
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 Data File : BP017810.D
 Acq On : 25 Oct 2023 19:16
 Operator : MA/JU
 Sample : PB156616BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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TIC: BP017810.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.745min (-0.006) 35.39 ng/ul m

response 144476

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.90	4.54
77.00	24.80	34.04#
0.00	0.00	0.00

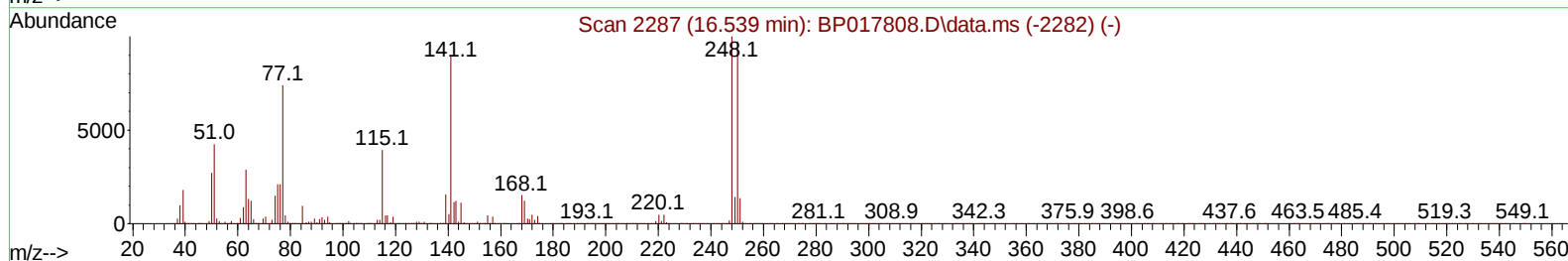
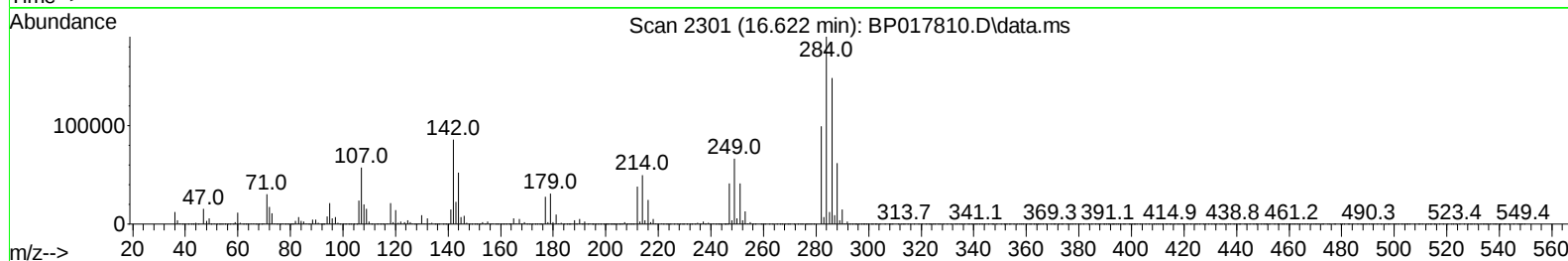
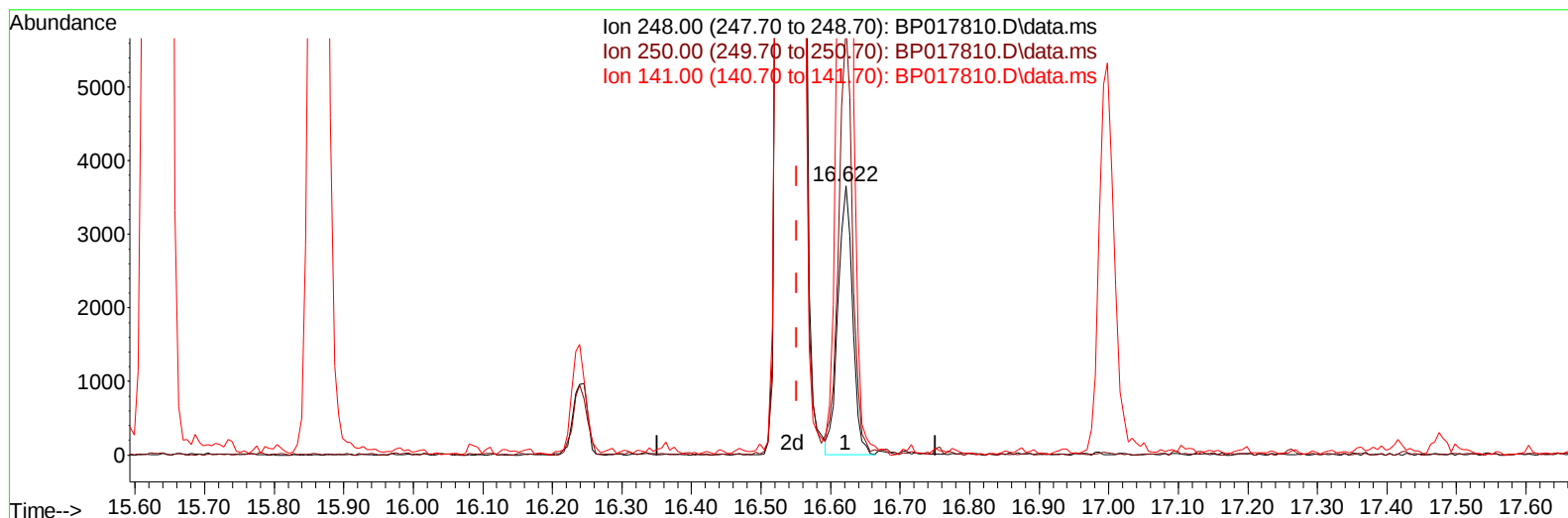
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
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TIC: BP017810.D\data.ms

(68) 4-Bromophenyl-phenylether

16.622min (+ 0.071) 0.79 ng/u1

response 5330

Ion	Exp%	Act%
248.00	100.00	100.00
250.00	96.00	159.45#
141.00	65.50	404.92#
0.00	0.00	0.00

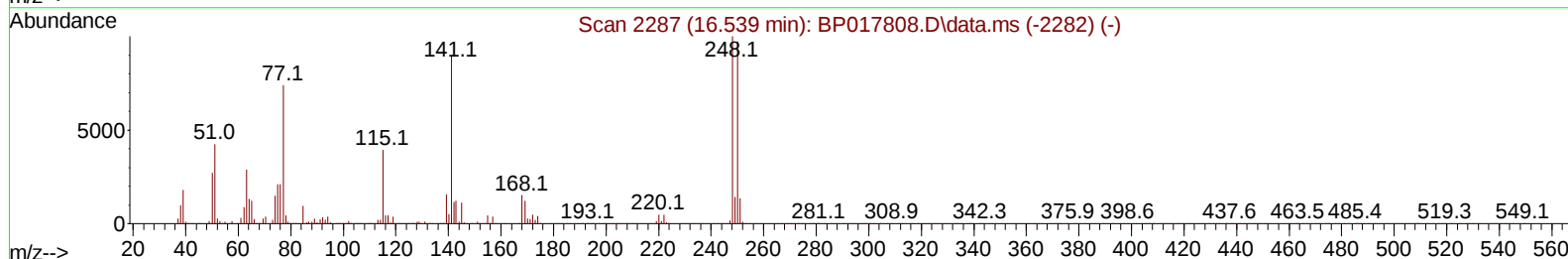
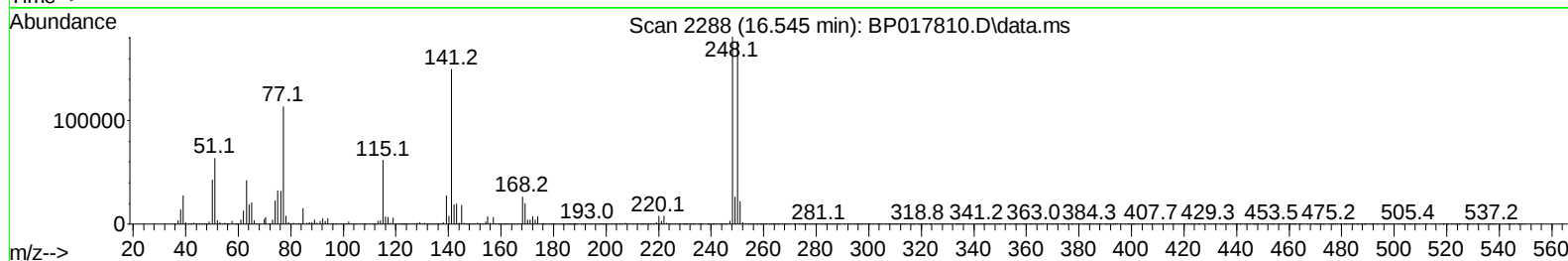
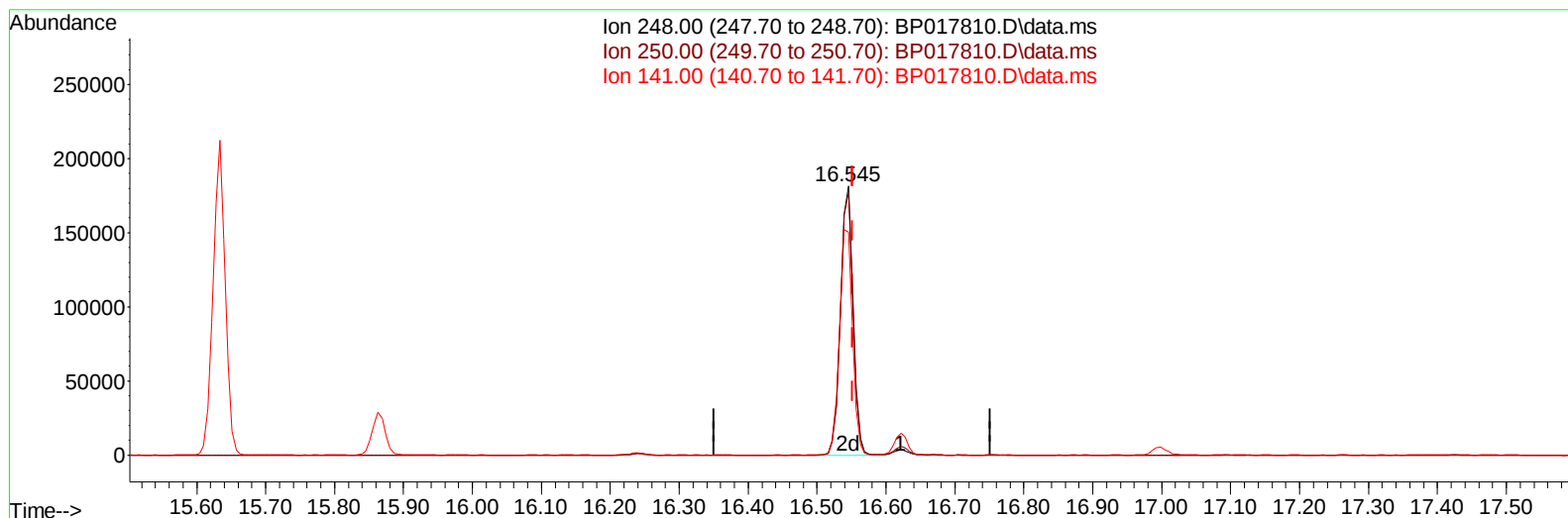
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
 Data File : BP017810.D
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 Operator : MA/JU
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Instrument :
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Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



TIC: BP017810.D\data.ms

(68) 4-Bromophenyl-phenylether

16.545min (-0.006) 34.36 ng/u1 m

response 232617

Ion	Exp%	Act%
248.00	100.00	100.00
250.00	96.00	97.71
141.00	65.50	82.79#
0.00	0.00	0.00

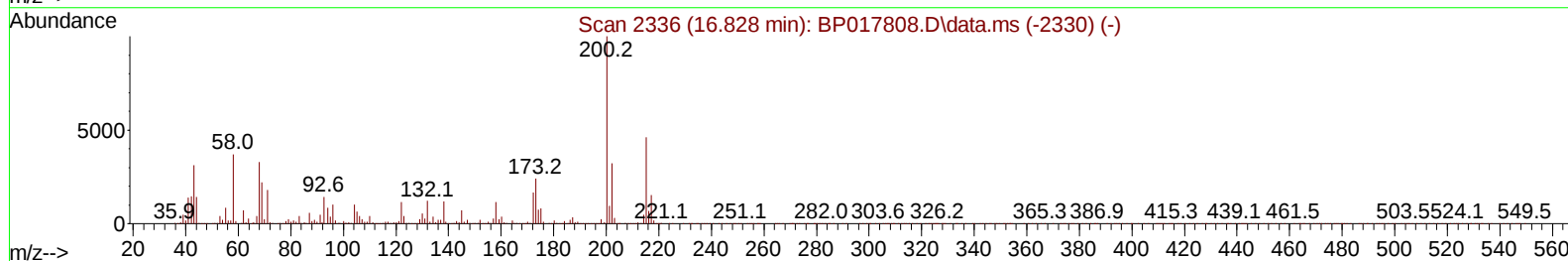
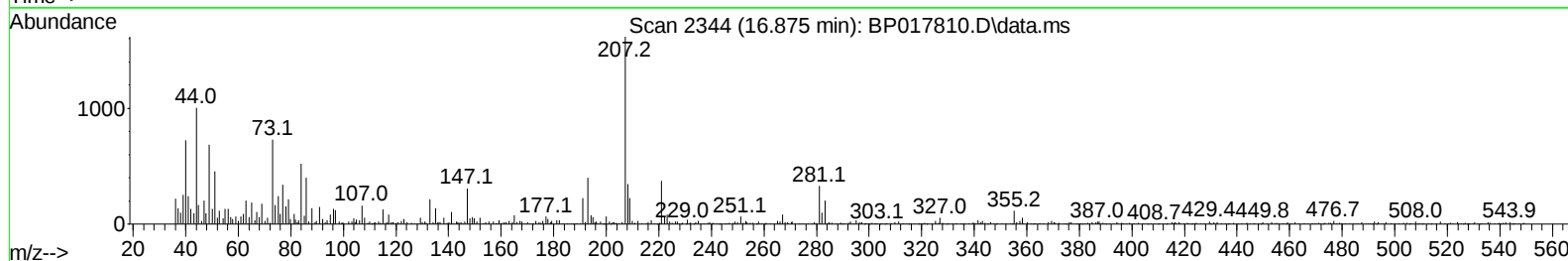
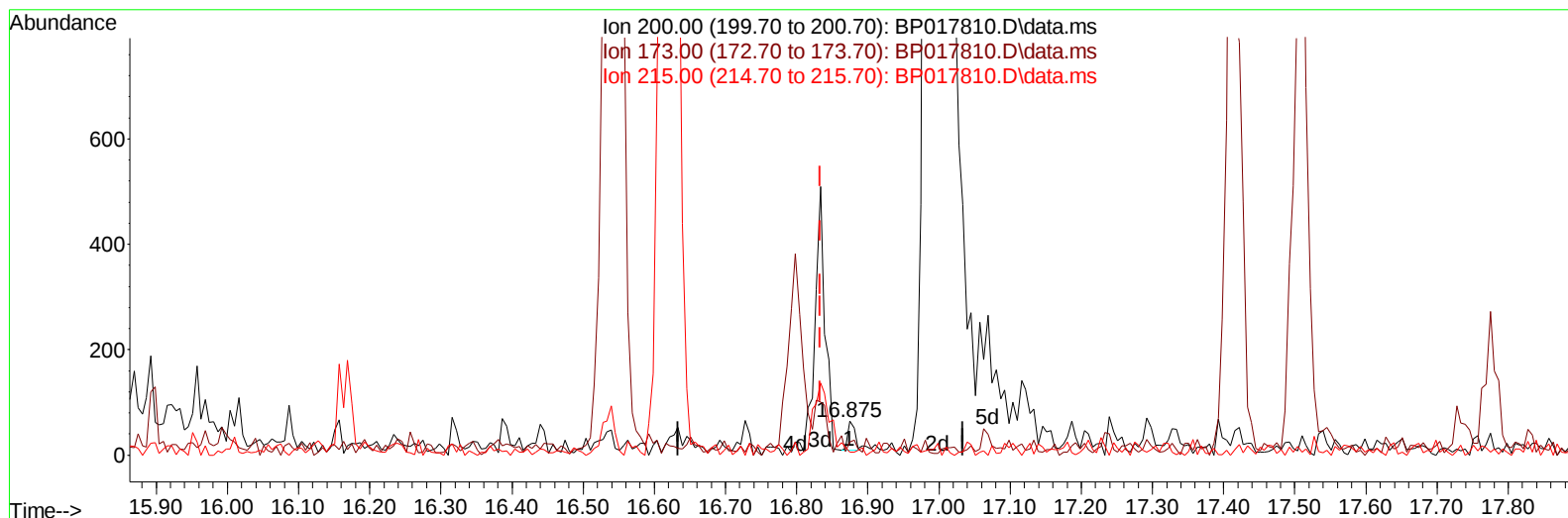
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 ALS Vial : 4 Sample Multiplier: 1

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Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



TIC: BP017810.D\data.ms

(70) Atrazine

16.875min (+ 0.041) 0.01 ng/u1

response 37

Ion	Exp%	Act%
200.00	100.00	100.00
173.00	24.70	39.06#
215.00	48.10	9.38#
0.00	0.00	0.00

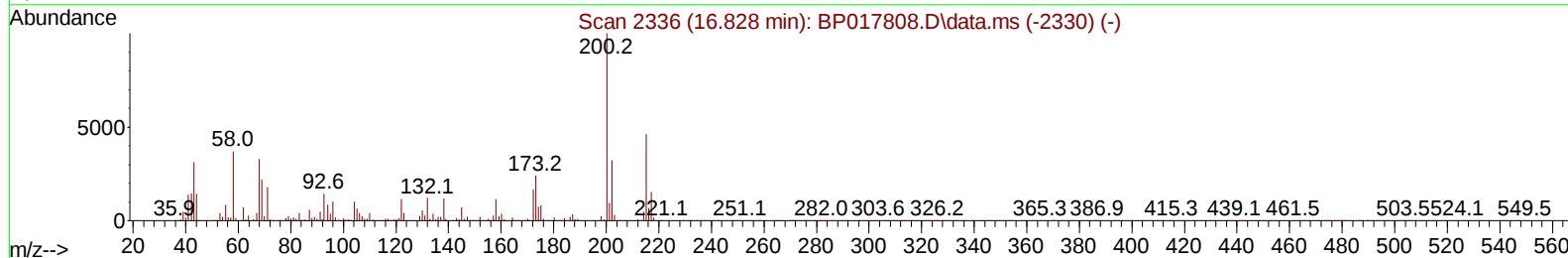
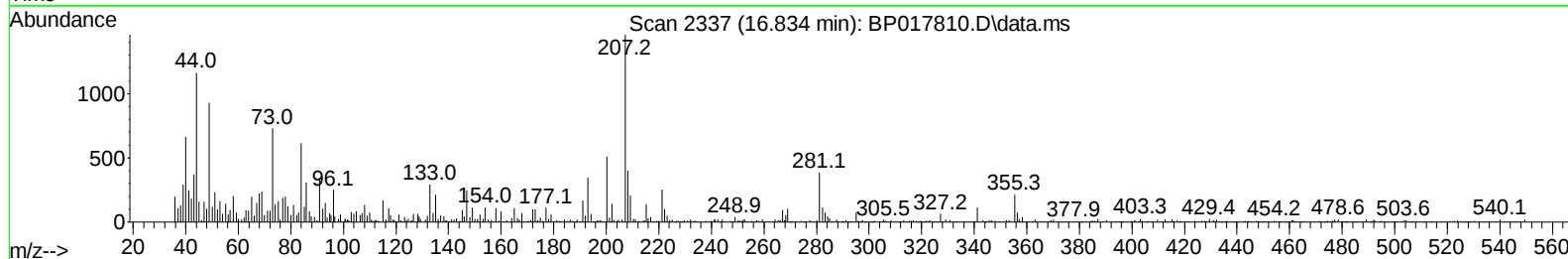
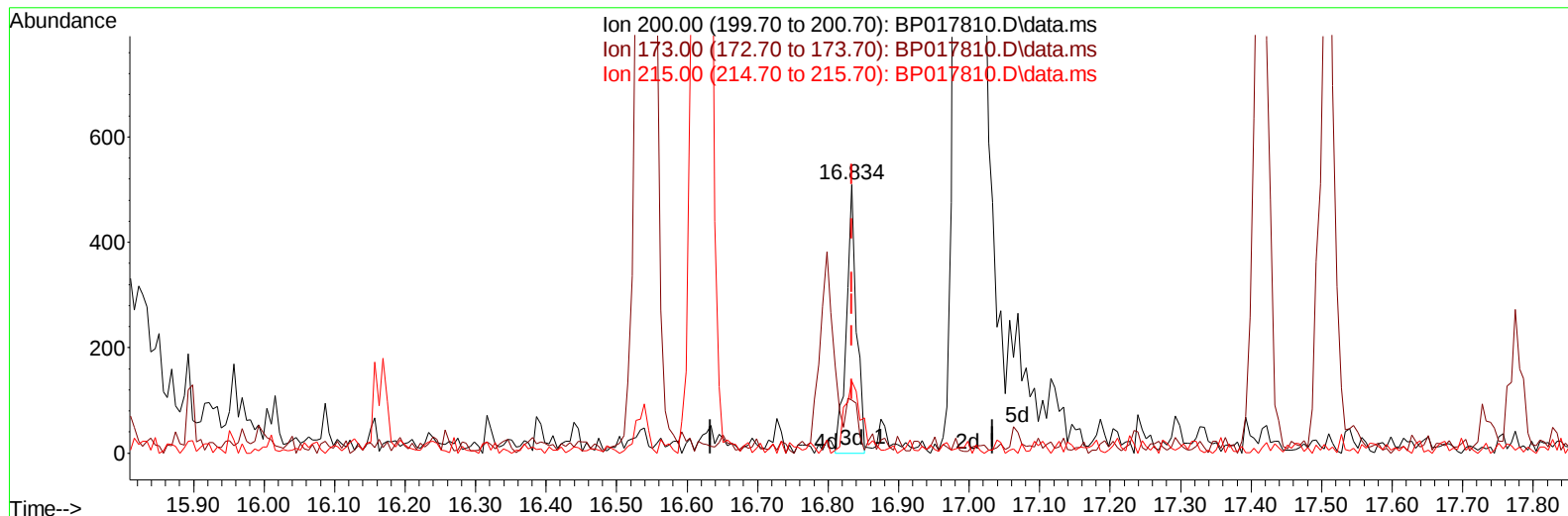
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
Data File : BP017810.D
Acq On : 25 Oct 2023 19:16
Operator : MA/JU
Sample : PB156616BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS616

Manual IntegrationsAPPROVED

Quant Time: Oct 26 05:33:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 01:32:15 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



TIC: BP017810.D\data.ms

(70) Atrazine

16.834min (-0.000) 0.08 ng/ul m

response 509

Ion	Exp%	Act%
200.00	100.00	100.00
173.00	24.70	19.61#
215.00	48.10	26.86#
0.00	0.00	0.00

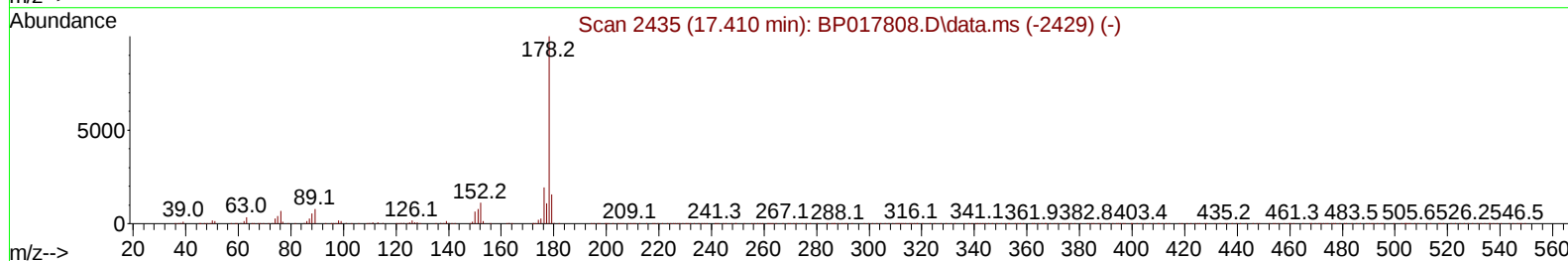
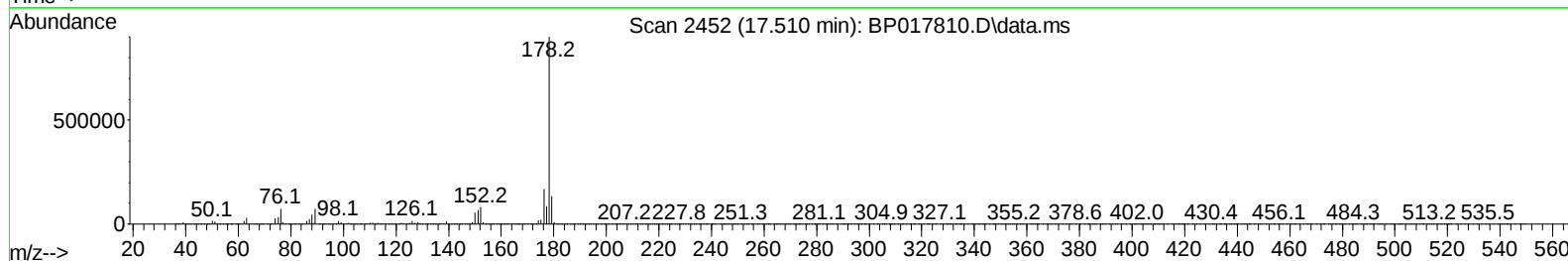
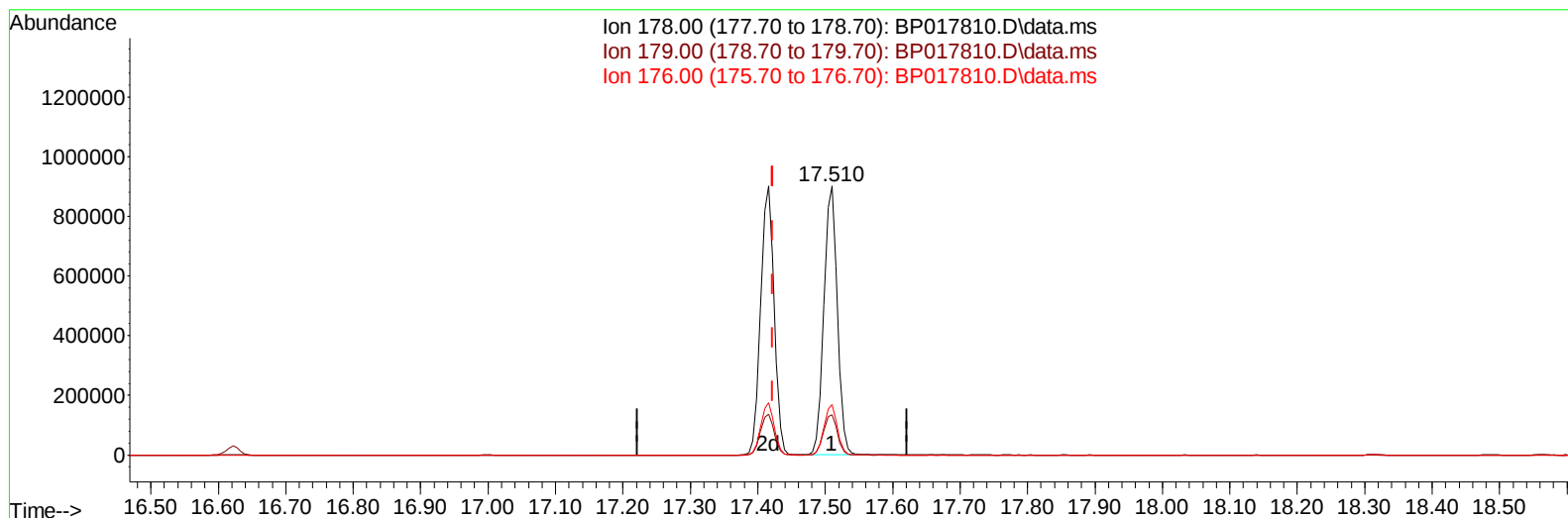
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
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TIC: BP017810.D\data.ms

(72) Phenanthrene

17.510min (+ 0.088) 36.93 ng/u1

response 1251866

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.20	15.07
176.00	19.10	18.79
0.00	0.00	0.00

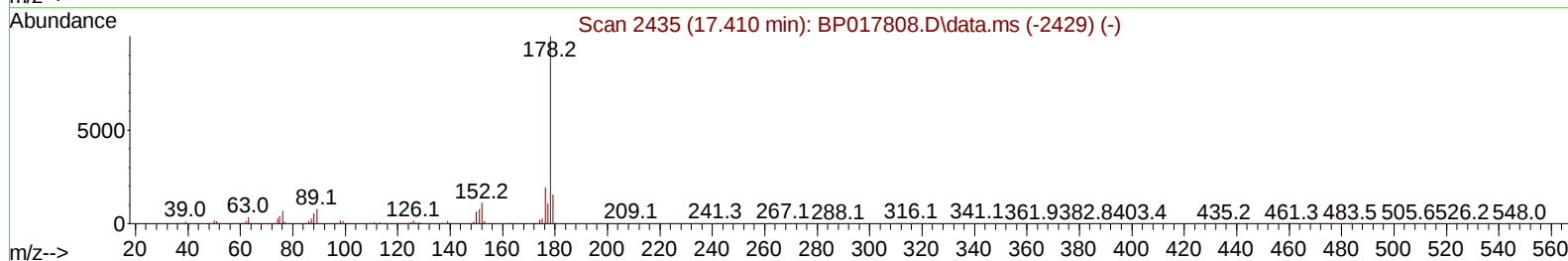
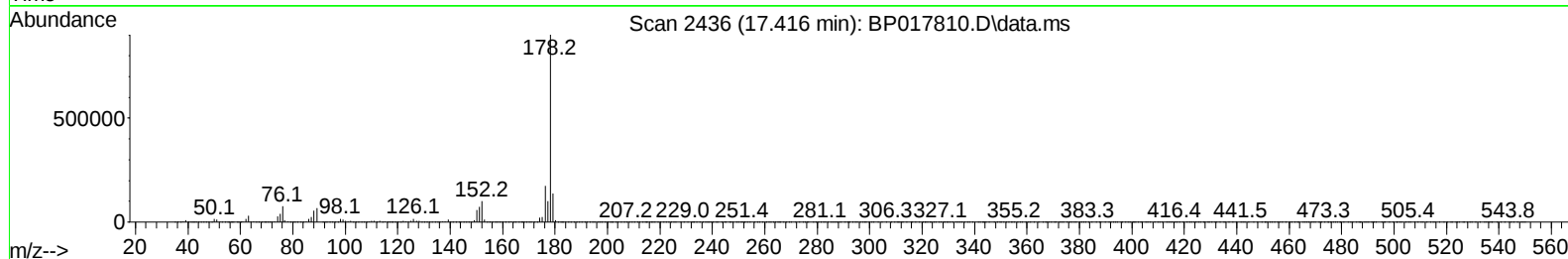
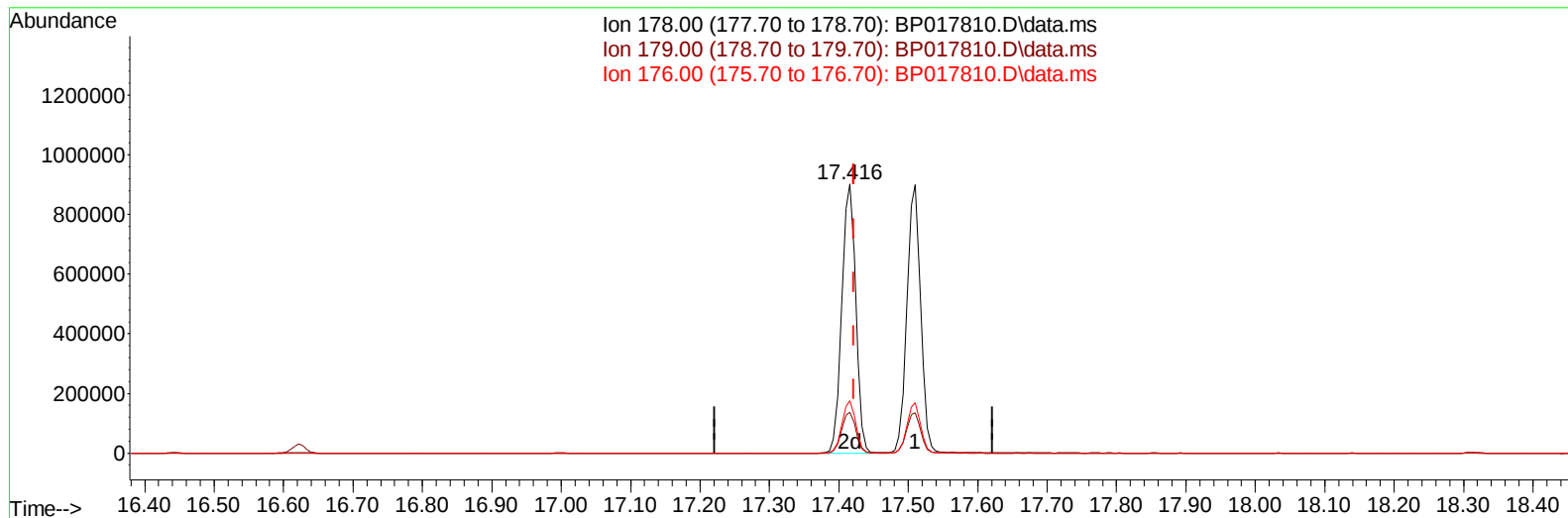
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102523\
 Data File : BP017810.D
 Acq On : 25 Oct 2023 19:16
 Operator : MA/JU
 Sample : PB156616BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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TIC: BP017810.D\data.ms

(72) Phenanthrene

17.416min (-0.006) 36.99 ng/ul m

response 1253910

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.20	15.19
176.00	19.10	19.45
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : PB156616BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

Quant Time: Oct 26 05:34:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 01:32:15 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	128666	20.000	ng/ul	0.00
20) Naphthalene-d8	10.710	136	477591	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.581	164	279228	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.369	188	578686m	20.000	ng/ul	0.00
79) Chrysene-d12	21.516	240	527555	20.000	ng/ul	0.00
88) Perylene-d12	24.063	264	540806	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	27028	7.815	ng/uL	0.02
4) Pyridine-d5	3.705	84	334909	36.985	ng/ul	0.01
7) Phenol-d5	7.046	99	415942	38.848	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.234	67	267766	40.495	ng/ul	0.00
11) 2-Chlorophenol-d4	7.405	132	357970	40.992	ng/ul	0.00
15) 4-Methylphenol-d8	8.610	113	326657	38.850	ng/ul	0.00
21) Nitrobenzene-d5	9.093	128	164480	42.502	ng/ul	0.00
24) 2-Nitrophenol-d4	9.804	143	185528	43.389	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.334	165	320716	38.236	ng/ul	0.00
31) 4-Chloroaniline-d4	10.887	131	404340	36.835	ng/ul	0.00
46) Dimethylphthalate-d6	13.998	166	944984	40.314	ng/ul	0.00
49) Acenaphthylene-d8	14.275	160	1072730	41.036	ng/ul	0.00
54) 4-Nitrophenol-d4	14.822	143	153053	45.825	ng/ul	0.00
60) Fluorene-d10	15.587	176	792589	39.116	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.734	200	162670	42.676	ng/ul	0.00
73) Anthracene-d10	17.475	188	1186697	40.129	ng/ul	0.00
81) Pyrene-d10	19.733	212	1407311	42.549	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.898	264	1284775	42.653	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	49155	13.399	ng/uL	98
5) Pyridine	3.722	79	296801	31.991	ng/ul	95
6) Benzaldehyde	7.046	77	217764	37.808	ng/ul	95
8) Phenol	7.075	94	381947	36.180	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.328	93	312150	35.441	ng/ul	97
12) 2-Chlorophenol	7.440	128	314922	35.905	ng/ul	97
13) 2-Methylphenol	8.334	108	281521	35.335	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.416	45	353026m	32.565	ng/ul	
16) Acetophenone	8.740	105	465216	35.194	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.710	70	215478	34.367	ng/ul	97
18) 4-Methylphenol	8.675	108	302675	35.774	ng/ul	100
19) Hexachloroethane	8.940	117	149676	37.140	ng/ul	84
22) Nitrobenzene	9.134	77	389330	40.404	ng/ul	97
23) Isophorone	9.646	82	652943	37.893	ng/ul	97
25) 2-Nitrophenol	9.840	139	170479	37.352	ng/ul#	87
26) 2,4-Dimethylphenol	9.881	107	303305	33.858	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.134	93	391037	36.692	ng/ul	99
29) 2,4-Dichlorophenol	10.357	162	280383	34.957	ng/ul	95
30) Naphthalene	10.763	128	956665	34.807	ng/ul	100
32) 4-Chloroaniline	10.910	127	310476	29.537	ng/ul	99
33) Hexachlorobutadiene	10.987	225	204105	31.341	ng/ul	98
34) Caprolactam	11.751	113	82683m	40.035	ng/ul	
35) 4-Chloro-3-methylphenol	12.028	107	302801	40.100	ng/ul	92

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Reviewed By :Yogesh Patel 10/27/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.381	142	625569	33.695	ng/ul	99
37) 1-Methylnaphthalene	12.604	142	646659	34.059	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.734	216	343290	33.225	ng/ul#	95
40) Hexachlorocyclopentadiene	12.675	237	178565	30.081	ng/ul	98
41) 2,4,6-Trichlorophenol	12.998	196	190932	30.791	ng/ul	97
42) 2,4,5-Trichlorophenol	13.075	196	212298	33.115	ng/ul	96
43) 1,1'-Biphenyl	13.404	154	838818	36.463	ng/ul	100
44) 2-Chloronaphthalene	13.451	162	654630	35.202	ng/ul	97
45) 2-Nitroaniline	13.704	65	204575	48.410	ng/ul	93
47) Dimethylphthalate	14.045	163	836327	36.202	ng/ul	99
48) 2,6-Dinitrotoluene	14.198	165	172623	40.596	ng/ul	91
50) Acenaphthylene	14.304	152	1001904	34.216	ng/ul	99
51) 3-Nitroaniline	14.540	138	165320	40.879	ng/ul	97
52) Acenaphthene	14.645	153	700620	35.394	ng/ul	99
53) 2,4-Dinitrophenol	14.751	184	90942	38.099	ng/ul#	83
55) 4-Nitrophenol	14.839	109	157041	44.418	ng/ul	92
56) Dibenzofuran	14.987	168	975567	35.103	ng/ul	91
57) 2,4-Dinitrotoluene	14.992	165	248595	39.612	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.204	232	146919m	25.825	ng/ul	
59) Diethylphthalate	15.410	149	859120	38.517	ng/ul	99
61) Fluorene	15.639	166	799433	35.019	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.634	204	402935	33.207	ng/ul#	89
63) 4-Nitroaniline	15.722	138	159333	43.681	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.745	198	144476m	35.388	ng/ul	
67) N-Nitrosodiphenylamine	15.863	169	671789	38.319	ng/ul	100
68) 4-Bromophenyl-phenylether	16.545	248	232617m	34.355	ng/ul	
69) Hexachlorobenzene	16.622	284	256986	33.060	ng/ul#	87
70) Atrazine	16.834	200	509m	0.079	ng/ul	
71) Pentachlorophenol	16.998	266	98491	21.075	ng/ul	99
72) Phenanthrene	17.416	178	1253910m	36.989	ng/ul	
74) Anthracene	17.510	178	1250754	36.429	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.357	216	345567	35.589	ng/uL	98
76) Pentachlorobenzene	14.875	250	312447	33.202	ng/uL	98
77) Carbazole	17.804	167	1119090	38.565	ng/ul	98
78) Di-n-butylphthalate	18.316	149	1466153	43.520	ng/ul	99
80) Fluoranthene	19.398	202	1488643	39.173	ng/ul	97
82) Pyrene	19.763	202	1544043	38.351	ng/ul	99
83) Butylbenzylphthalate	20.633	149	674442	48.706	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.439	252	461329	38.705	ng/ul	98
85) Benzo(a)anthracene	21.498	228	1477525	36.841	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.374	149	964666	49.905	ng/ul#	99
87) Chrysene	21.551	228	1385165	36.523	ng/ul	99
89) Di-n-octyl phthalate	22.357	149	1646716	48.071	ng/ul	100
90) Benzo(b)fluoranthene	23.274	252	1420466	38.593	ng/ul	99
91) Benzo(k)fluoranthene	23.327	252	1385722	37.148	ng/ul	99
93) Benzo(a)pyrene	23.951	252	1237423	35.812	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.774	276	1512796	36.735	ng/ul	98
95) Dibenzo(a,h)anthracene	26.804	278	1256803	36.577	ng/ul	97
96) Benzo(g,h,i)perylene	27.627	276	1228105	37.013	ng/ul	97

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

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