

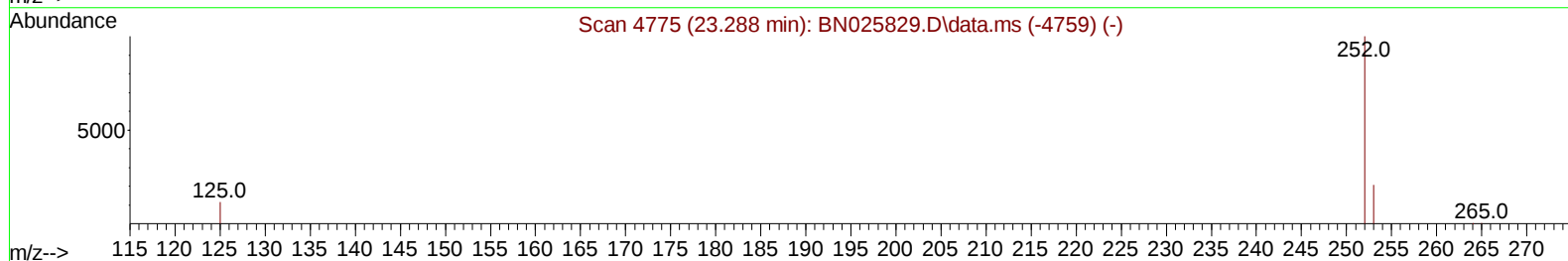
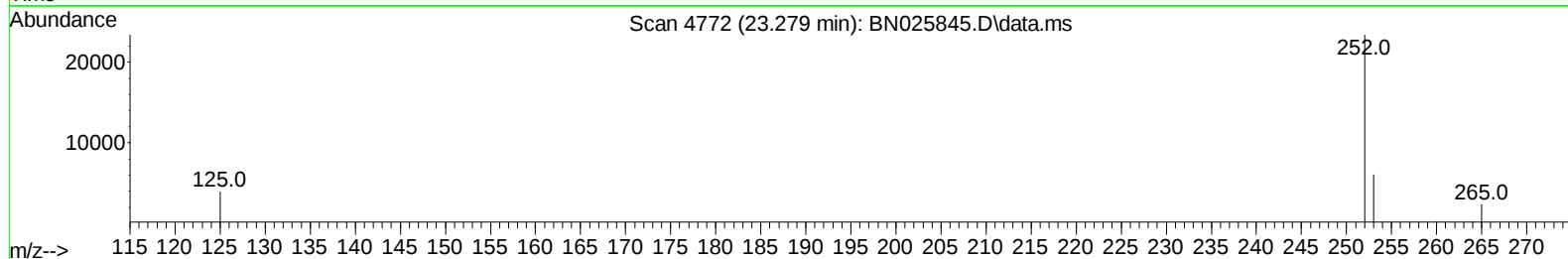
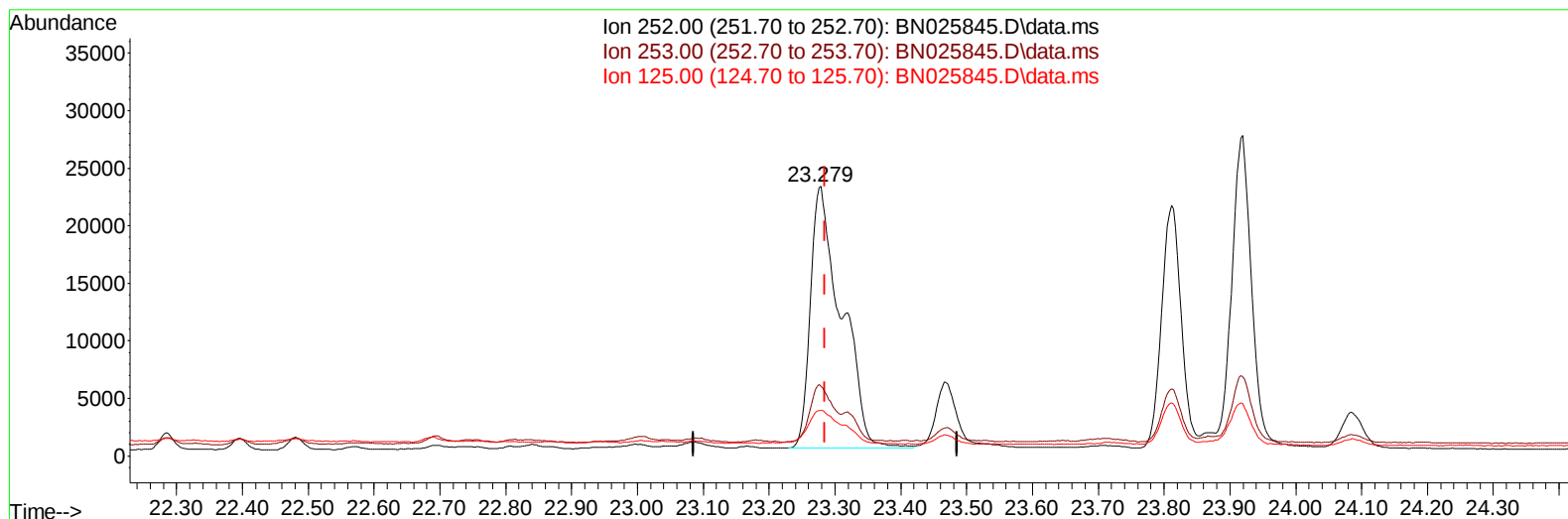
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061323\
 Data File : BN025845.D
 Acq On : 14 Jun 2023 16:40
 Operator : MA/JU
 Sample : 02950-21
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 14 17:09:09 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 13:50:41 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



TIC: BN025845.D\data.ms

(24) Benzo(b)fluoranthene

23.279min (-0.007) 0.92 ng/u1

response 74616

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	25.75
125.00	14.00	16.97
0.00	0.00	0.00

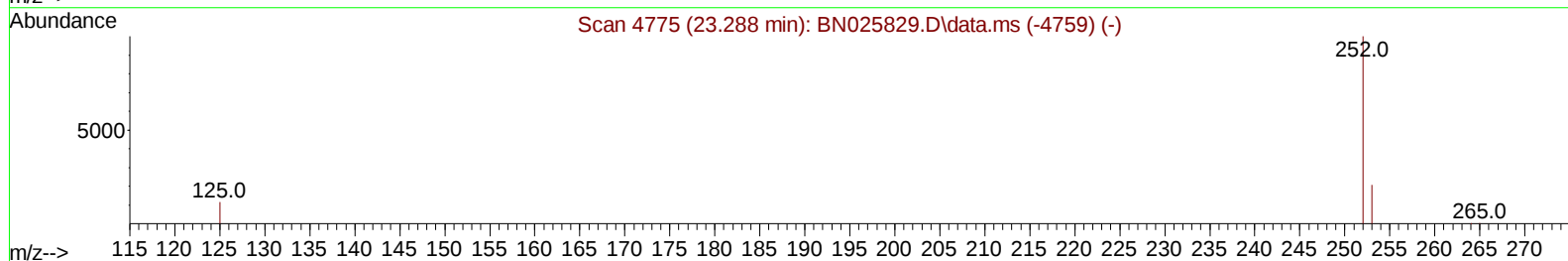
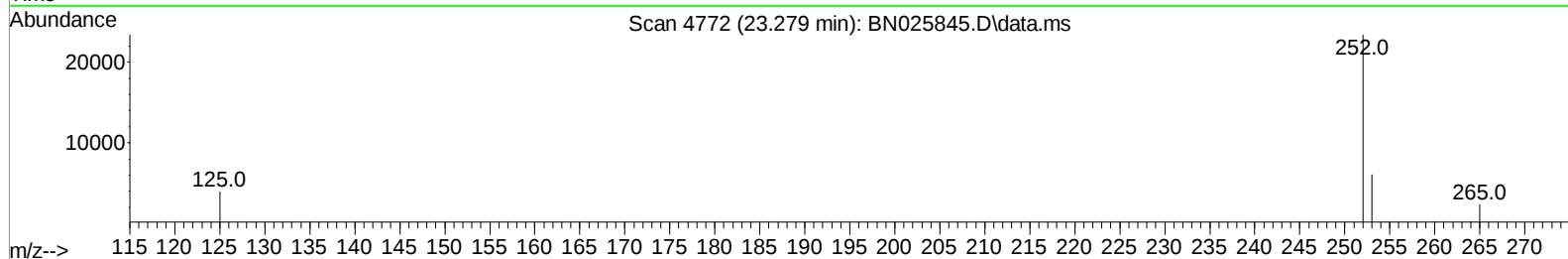
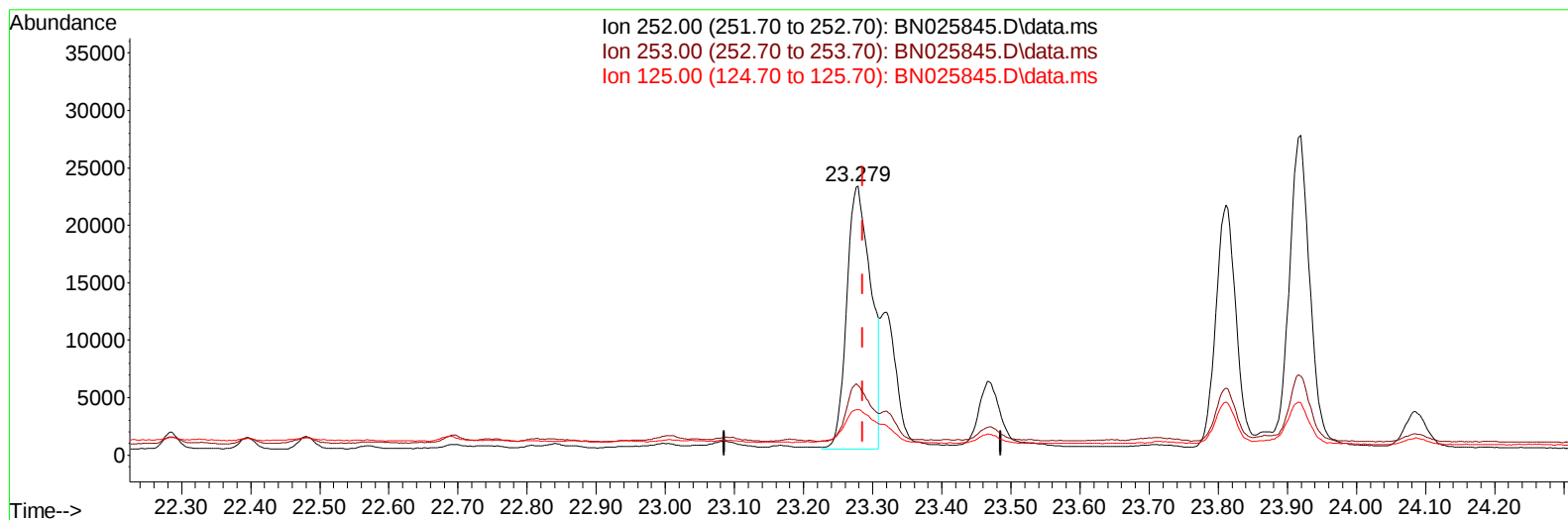
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061323\
 Data File : BN025845.D
 Acq On : 14 Jun 2023 16:40
 Operator : MA/JU
 Sample : 02950-21
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 14 17:09:09 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 13:50:41 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



TIC: BN025845.D\data.ms

(24) Benzo(b)fluoranthene

23.279min (-0.007) 0.68 ng/ul m

response 55485

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	25.75
125.00	14.00	16.97
0.00	0.00	0.00

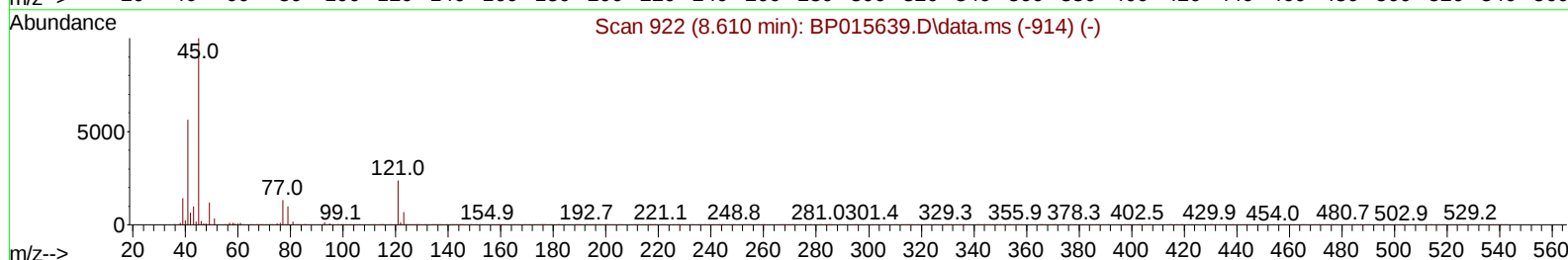
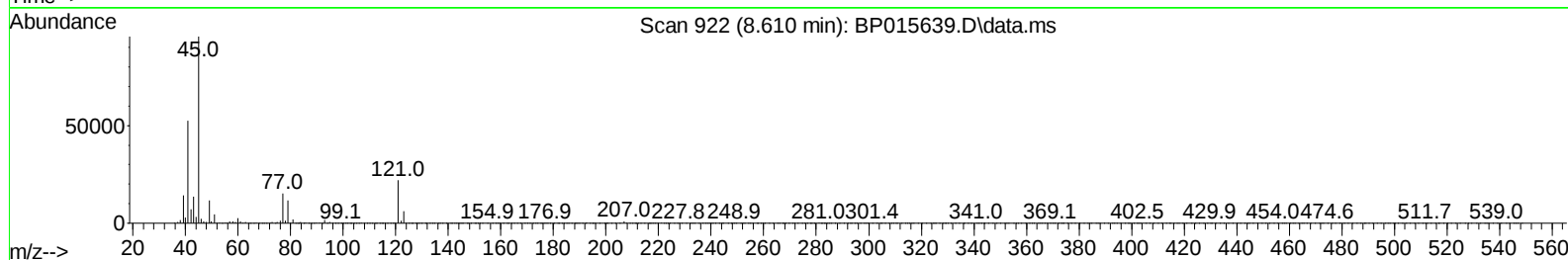
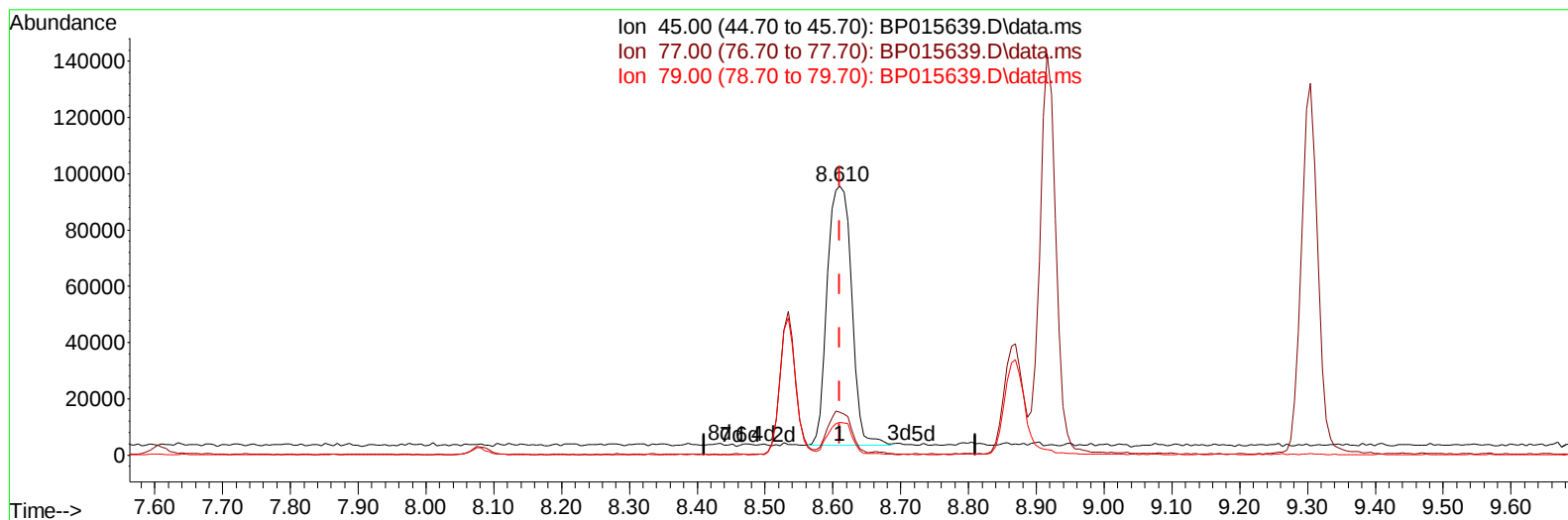
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 22 22:03:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



TIC: BP015639.D\data.ms

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

8.610min (0.000) 19.24 ng/u1

response 230249

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	14.80	16.04
79.00	10.90	12.19
0.00	0.00	0.00

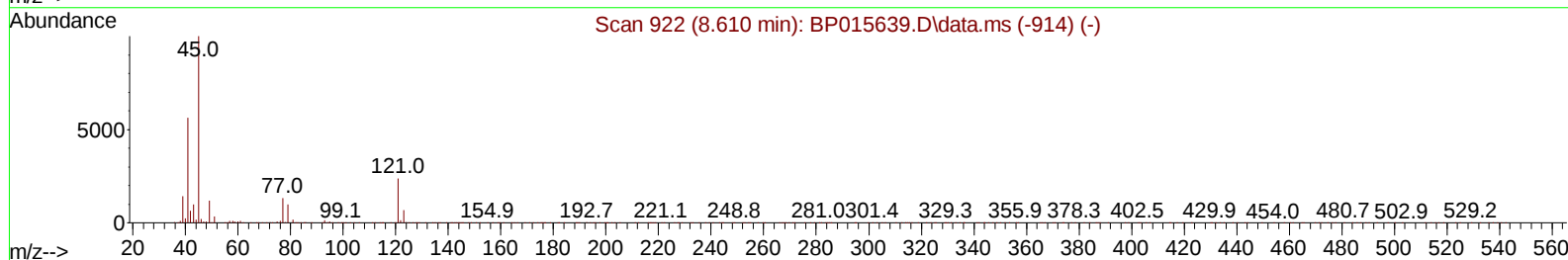
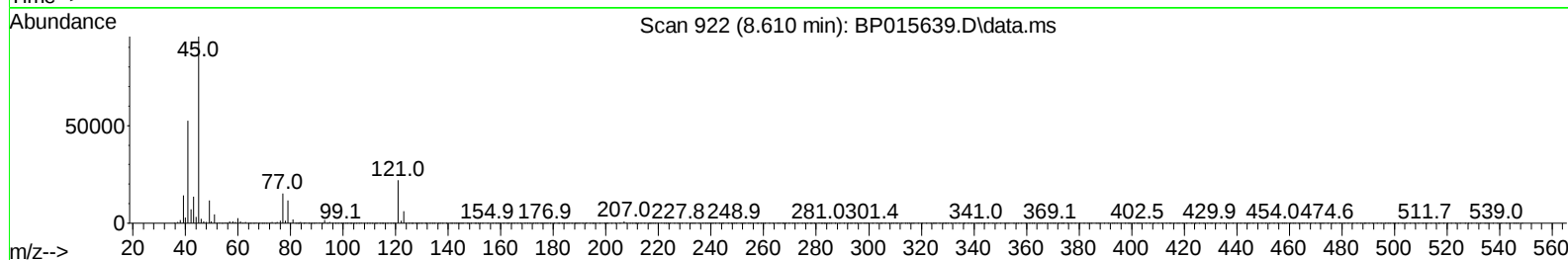
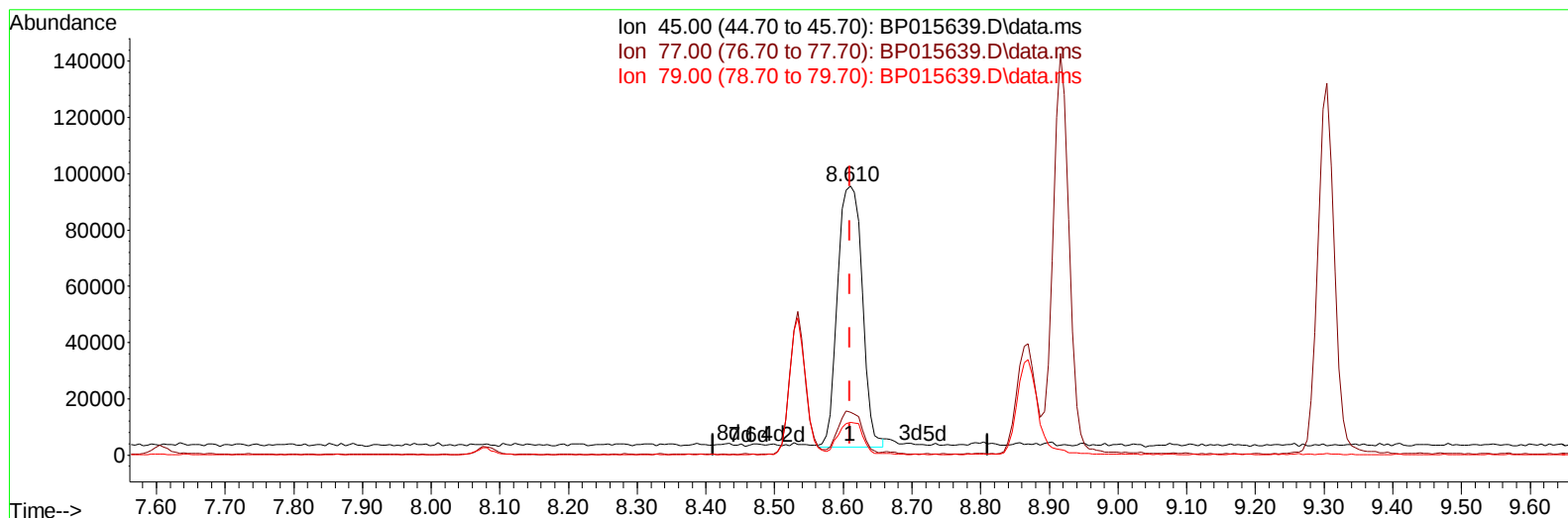
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 22 22:03:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



TIC: BP015639.D\data.ms

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

8.610min (0.000) 19.34 ng/ul m

response 231465

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	14.80	16.04
79.00	10.90	12.19
0.00	0.00	0.00

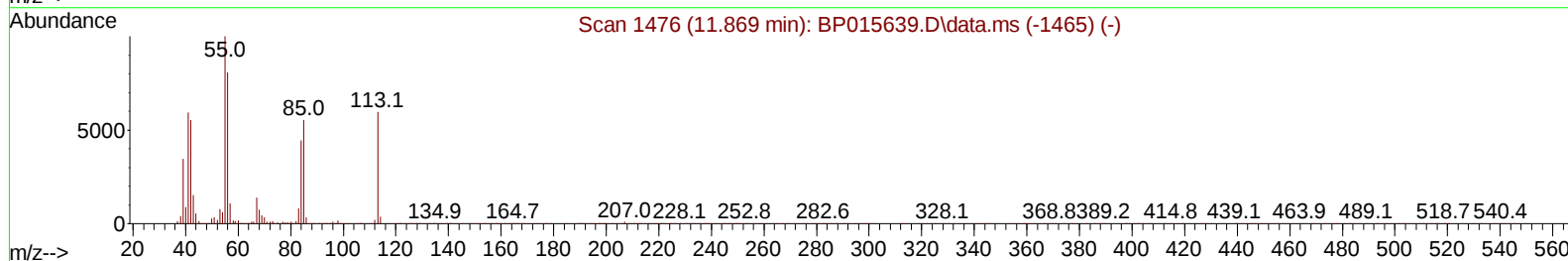
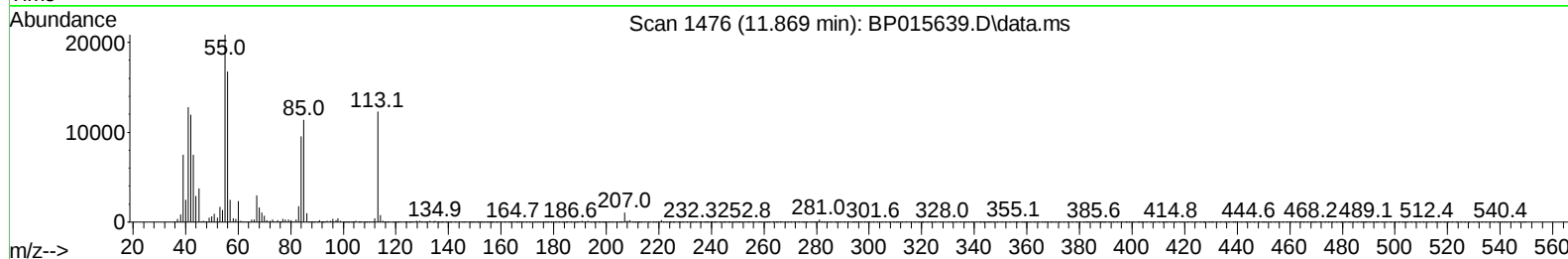
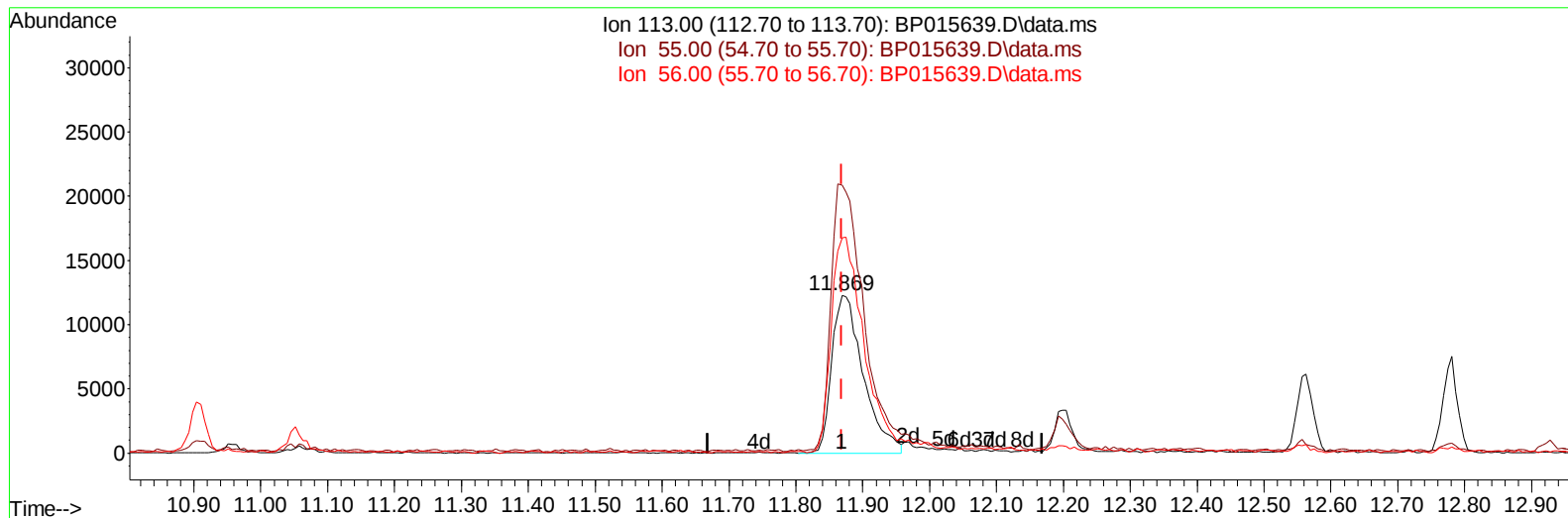
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 22 22:10:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



TIC: BP015639.D\data.ms

(34) Caprolactam

11.869min (0.000) 13.58 ng/ul

response 40250

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	159.90	169.88
56.00	126.40	136.51
0.00	0.00	0.00

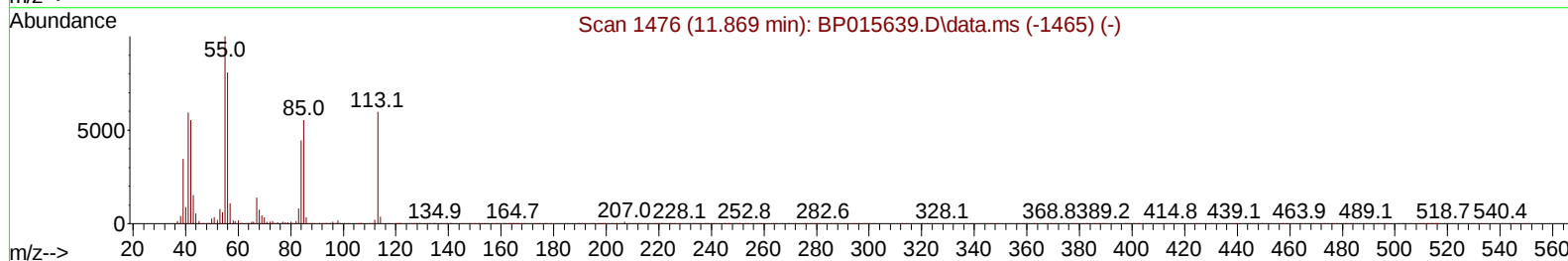
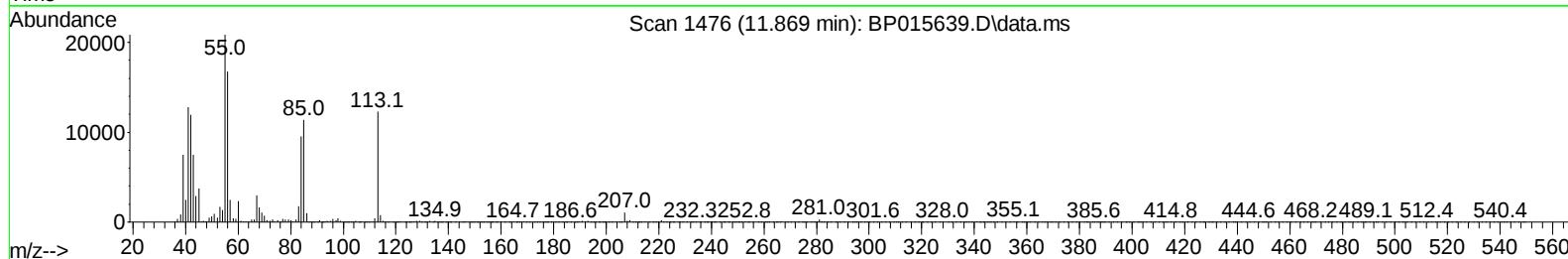
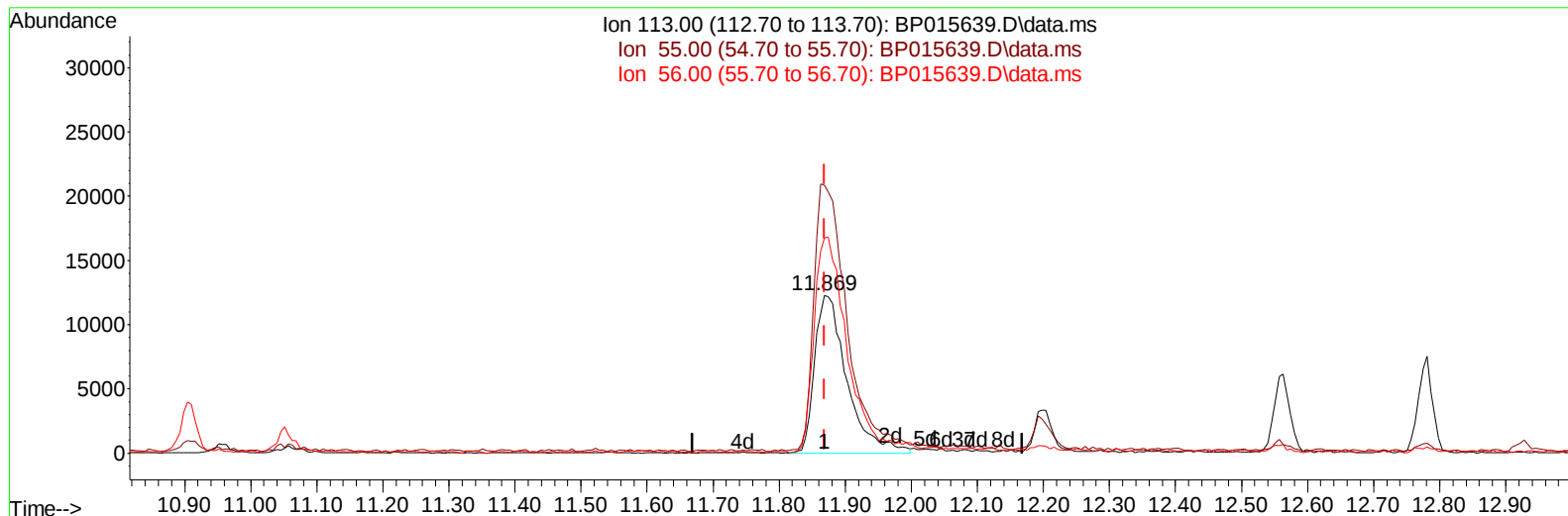
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 22 22:10:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



TIC: BP015639.D\data.ms

(34) Caprolactam

11.869min (0.000) 14.04 ng/ul m

response 41625

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	159.90	169.88
56.00	126.40	136.51
0.00	0.00	0.00

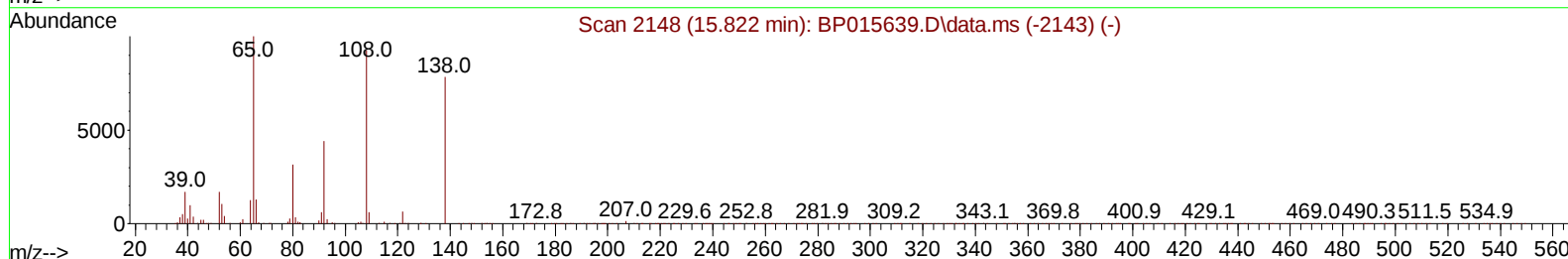
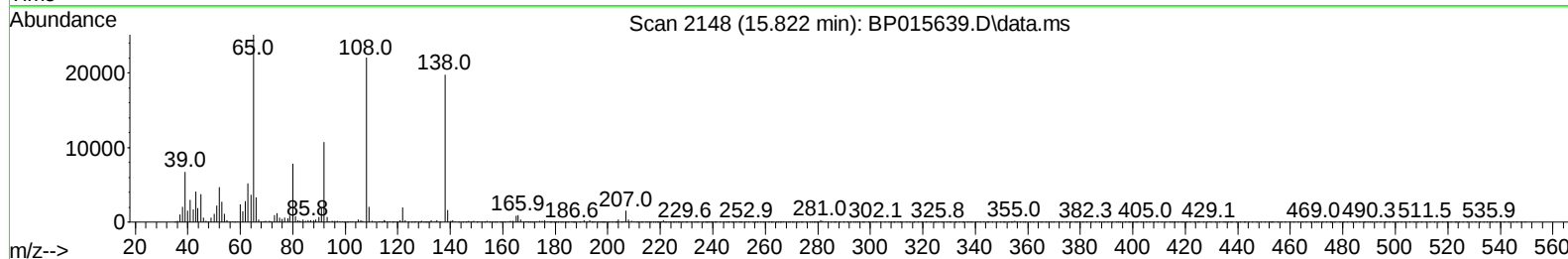
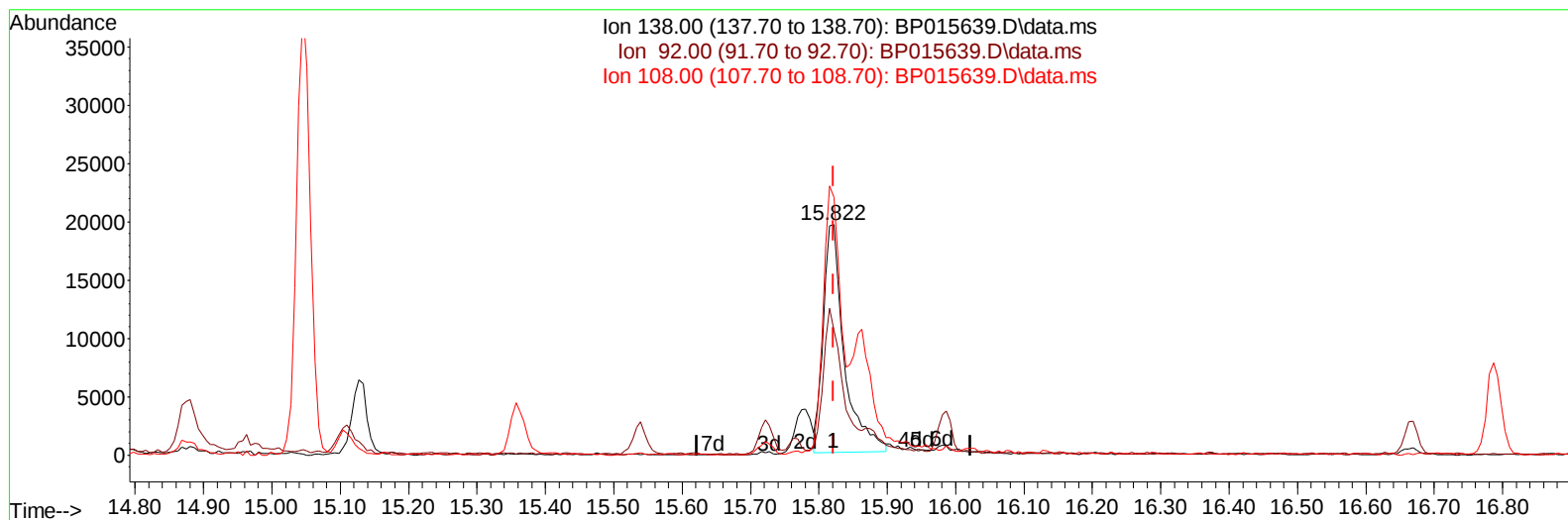
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 22 22:10:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



TIC: BP015639.D\data.ms

(63) 4-Nitroaniline

15.822min (0.000) 11.70 ng/ul

response 41763

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	55.80	54.15
108.00	98.00	111.78
0.00	0.00	0.00

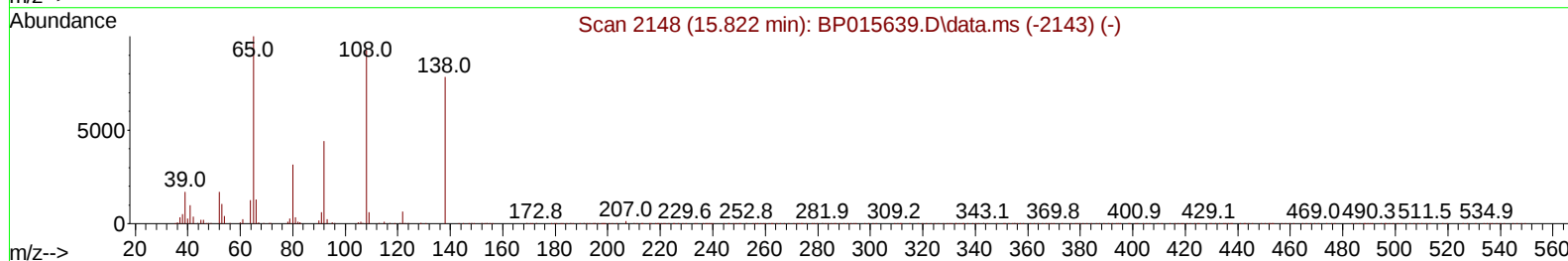
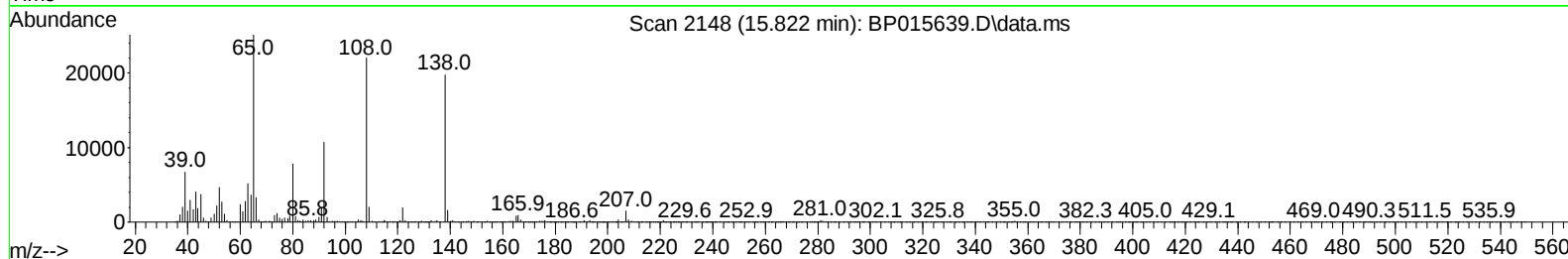
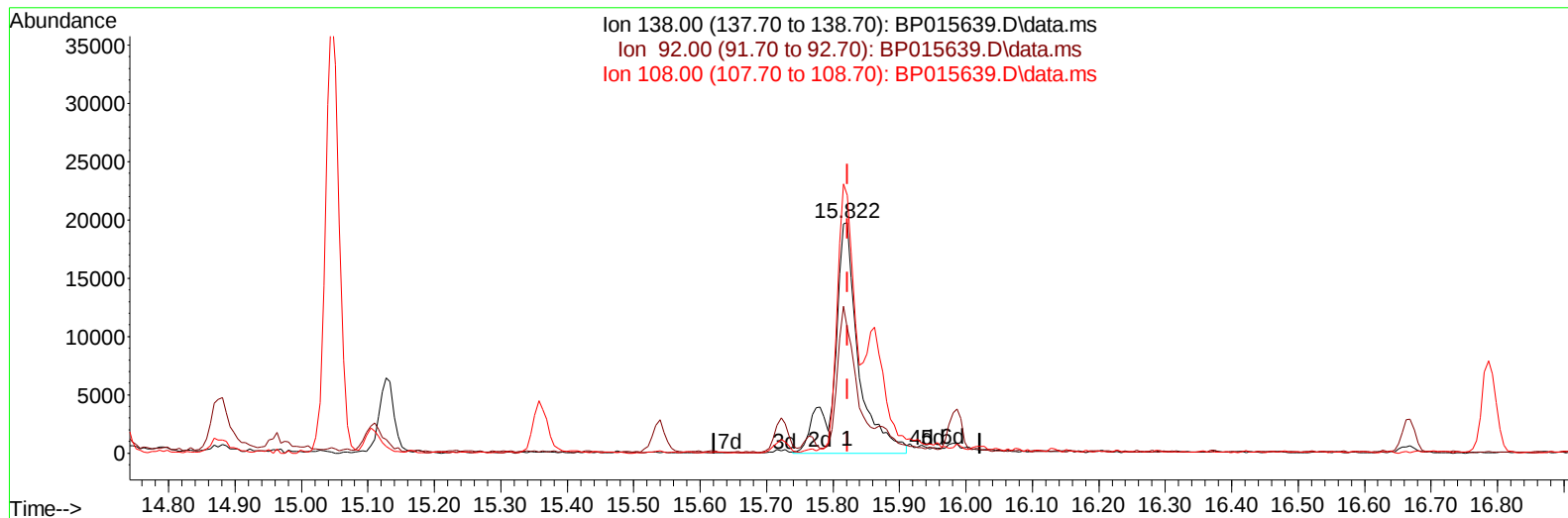
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 22 22:10:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



TIC: BP015639.D\data.ms

(63) 4-Nitroaniline

15.822min (0.000) 14.18 ng/ul m

response 50622

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	55.80	54.15
108.00	98.00	111.78
0.00	0.00	0.00

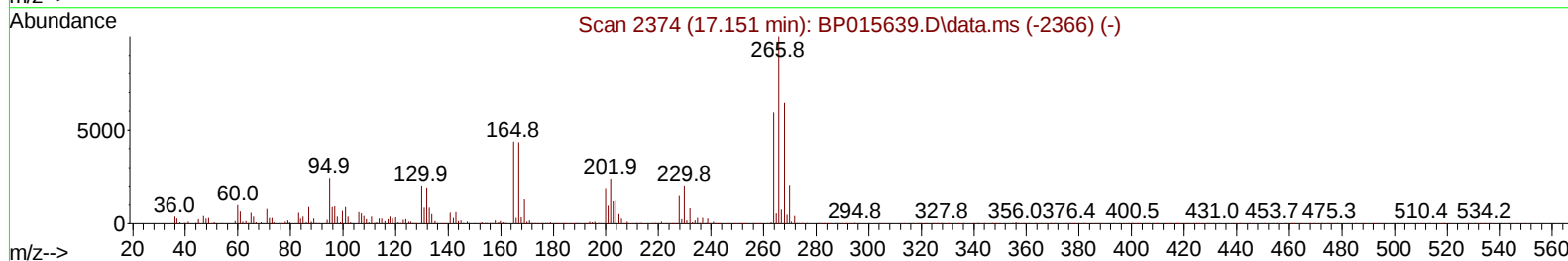
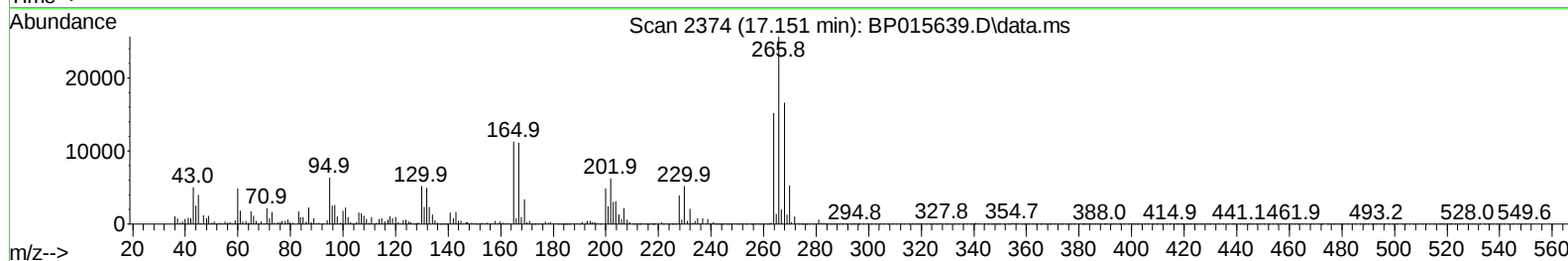
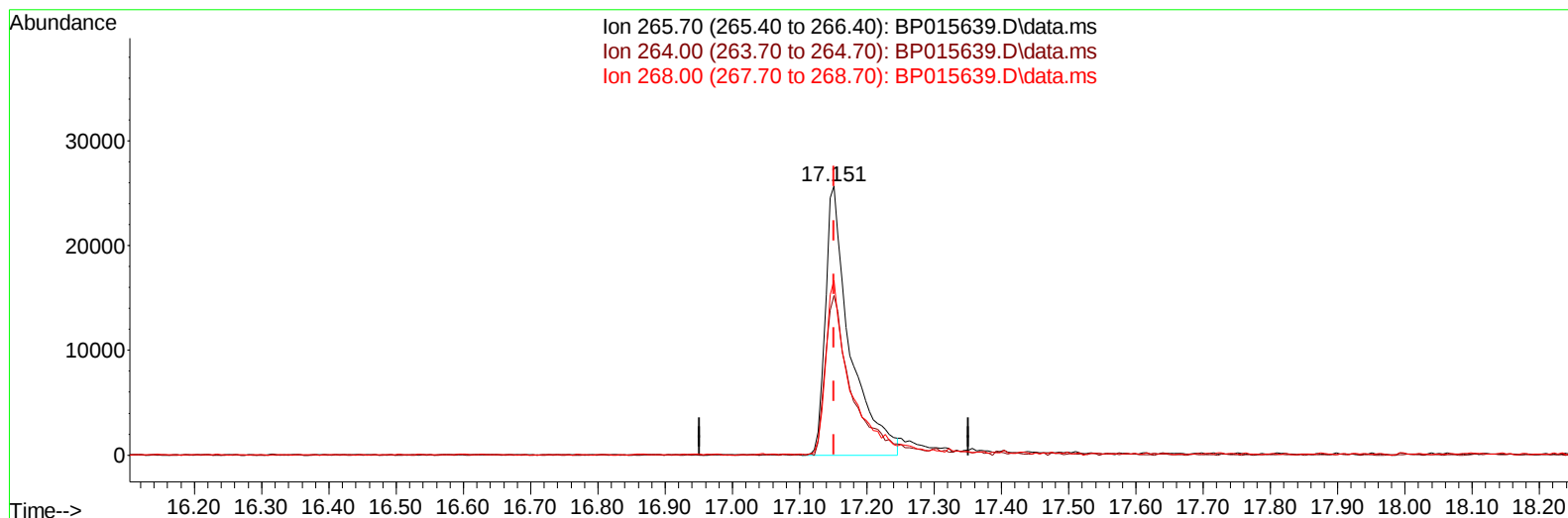
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 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 22 22:10:51 2023
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 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



TIC: BP015639.D\data.ms

(71) Pentachlorophenol (C)

17.151min (0.000) 17.39 ng/u1

response 64798

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	62.00	59.35
268.00	63.80	64.86
0.00	0.00	0.00

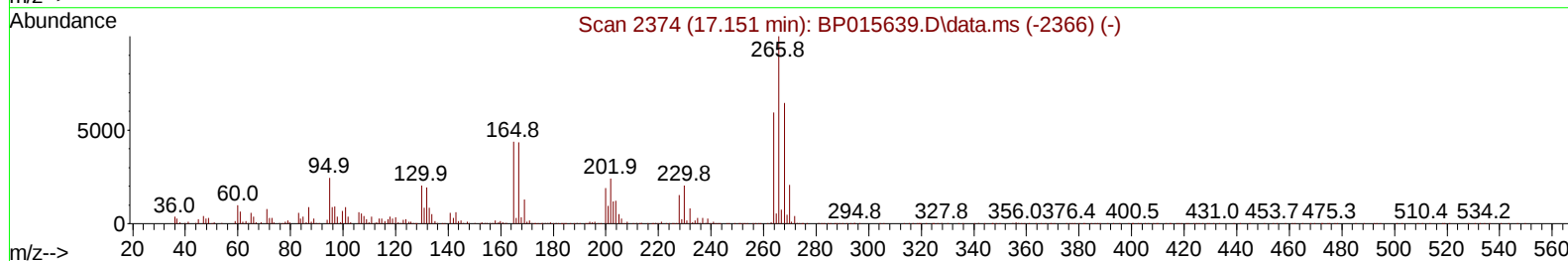
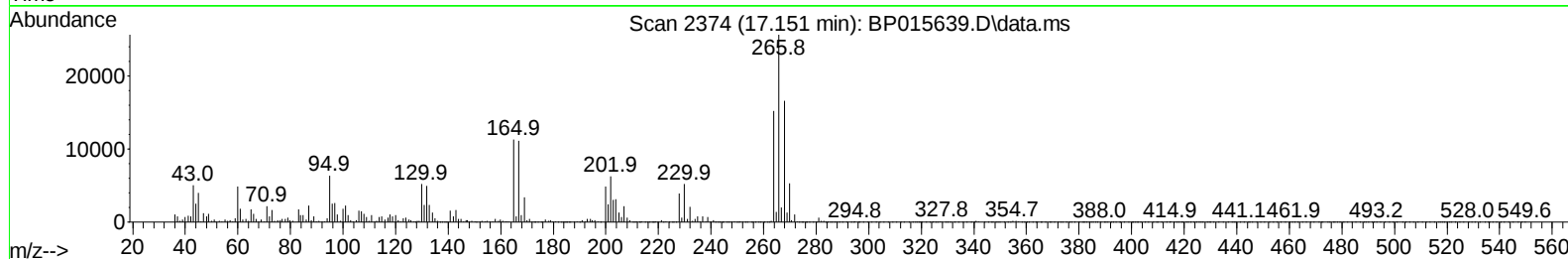
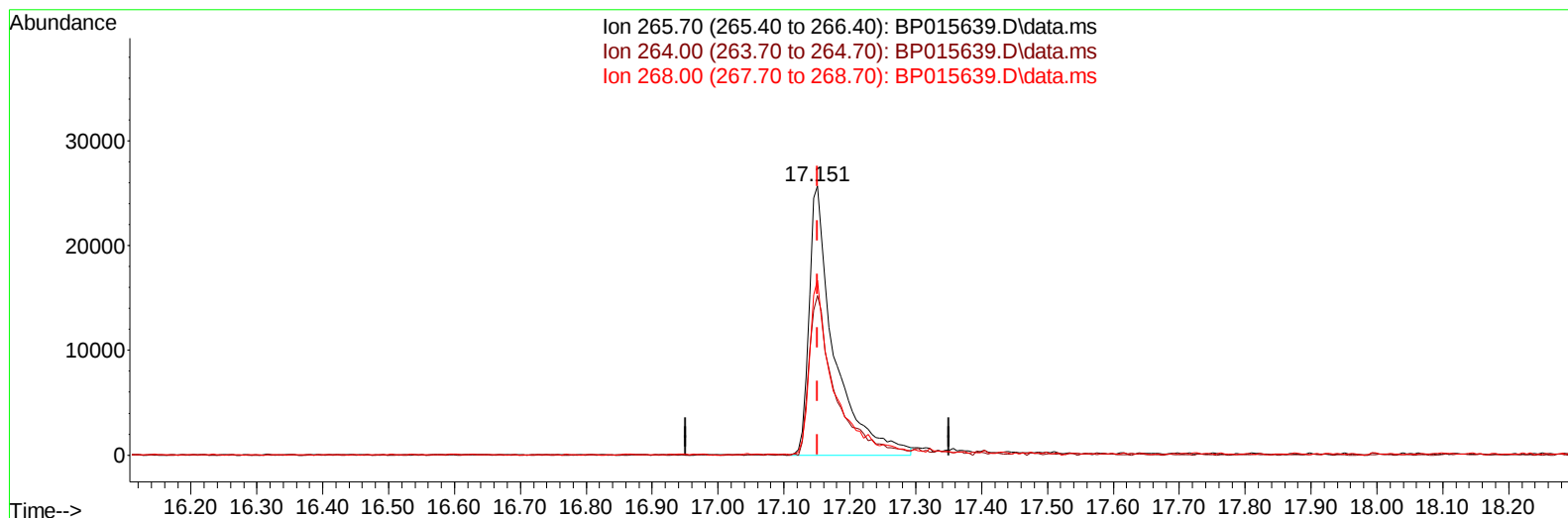
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 22 22:10:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



TIC: BP015639.D\data.ms

(71) Pentachlorophenol (C)

17.151min (0.000) 18.24 ng/ul m

response 67968

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	62.00	59.35
268.00	63.80	64.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 22 22:12:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	120185	20.000	ng/ul	0.00
20) Naphthalene-d8	10.904	136	484248	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.728	164	273244	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.492	188	522291	20.000	ng/ul	0.00
79) Chrysene-d12	21.580	240	465376	20.000	ng/ul	0.00
88) Perylene-d12	24.133	264	590238	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	27084	8.345	ng/uL	0.00
4) Pyridine-d5	3.840	84	174003	20.640	ng/ul	0.00
7) Phenol-d5	7.240	99	213657	19.297	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.404	67	129650	19.607	ng/ul	0.00
11) 2-Chlorophenol-d4	7.604	132	166499	20.741	ng/ul	0.00
15) 4-Methylphenol-d8	8.804	113	169793	18.685	ng/ul	0.00
21) Nitrobenzene-d5	9.257	128	82071	21.587	ng/ul	0.00
24) 2-Nitrophenol-d4	9.987	143	94770	21.828	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.534	165	167689	21.173	ng/ul	0.00
31) 4-Chloroaniline-d4	11.051	131	206496	18.164	ng/ul	0.00
46) Dimethylphthalate-d6	14.133	166	432346	20.065	ng/ul	0.00
49) Acenaphthylene-d8	14.422	160	519794	22.062	ng/ul	0.00
54) 4-Nitrophenol-d4	14.951	143	59530	15.428	ng/ul	0.00
60) Fluorene-d10	15.722	176	364709	20.072	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.863	200	59969	18.124	ng/ul	0.00
73) Anthracene-d10	17.592	188	514947	21.670	ng/ul	0.00
81) Pyrene-d10	19.816	212	554827	22.275	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.968	264	623799	21.063	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.434	88	29141	8.500	ng/ul#	80
5) Pyridine	3.863	79	180320	20.631	ng/ul	98
6) Benzaldehyde	7.216	77	73258	17.310	ng/ul	98
8) Phenol	7.269	94	221463	19.388	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.499	93	176883	19.585	ng/ul	98
12) 2-Chlorophenol	7.640	128	174383	20.560	ng/ul	100
13) 2-Methylphenol	8.534	108	169296	19.263	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.610	45	231465m	19.340	ng/ul	
16) Acetophenone	8.916	105	279690	19.286	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.898	70	149305	19.075	ng/ul	99
18) 4-Methylphenol	8.869	108	179796	18.593	ng/ul	99
19) Hexachloroethane	9.163	117	78721	21.964	ng/ul	93
22) Nitrobenzene	9.304	77	224660	22.283	ng/ul	98
23) Isophorone	9.828	82	406869	20.159	ng/ul	99
25) 2-Nitrophenol	10.022	139	100054	21.344	ng/ul	97
26) 2,4-Dimethylphenol	10.075	107	216343	21.763	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.310	93	231131	19.698	ng/ul	100
29) 2,4-Dichlorophenol	10.557	162	168615	21.413	ng/ul	98
30) Naphthalene	10.957	128	560783	21.371	ng/ul	99
32) 4-Chloroaniline	11.081	127	213954	18.189	ng/ul	100
33) Hexachlorobutadiene	11.234	225	126038	23.734	ng/ul	96
34) Caprolactam	11.869	113	41625m	14.042	ng/ul	
35) 4-Chloro-3-methylphenol	12.198	107	181414	19.014	ng/ul	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 22 22:12:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.563	142	364799	19.775	ng/ul	99
37) 1-Methylnaphthalene	12.781	142	363067	19.548	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.928	216	211139	24.815	ng/ul	99
40) Hexachlorocyclopentadiene	12.892	237	87624	25.123	ng/ul	99
41) 2,4,6-Trichlorophenol	13.175	196	129780	22.917	ng/ul	99
42) 2,4,5-Trichlorophenol	13.251	196	136534	22.125	ng/ul	96
43) 1,1'-Biphenyl	13.563	154	482735	22.845	ng/ul	99
44) 2-Chloronaphthalene	13.610	162	386326	23.302	ng/ul	99
45) 2-Nitroaniline	13.822	65	115752	21.815	ng/ul	94
47) Dimethylphthalate	14.181	163	447240	20.103	ng/ul	100
48) 2,6-Dinitrotoluene	14.310	165	92394	20.271	ng/ul	96
50) Acenaphthylene	14.451	152	571080	21.888	ng/ul	99
51) 3-Nitroaniline	14.651	138	70207	18.659	ng/ul	99
52) Acenaphthene	14.792	153	392190	21.745	ng/ul	99
53) 2,4-Dinitrophenol	14.875	184	36332	13.251	ng/ul	97
55) 4-Nitrophenol	14.963	109	61191	16.441	ng/ul	90
56) Dibenzofuran	15.128	168	537923	21.044	ng/ul	96
57) 2,4-Dinitrotoluene	15.110	165	123966	18.492	ng/ul	89
58) 2,3,4,6-Tetrachlorophenol	15.357	232	111211	19.959	ng/ul#	98
59) Diethylphthalate	15.539	149	438125	19.215	ng/ul	98
61) Fluorene	15.780	166	421443	20.225	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.769	204	220176	20.965	ng/ul	98
63) 4-Nitroaniline	15.822	138	50622m	14.184	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.875	198	64395	19.082	ng/ul#	90
67) N-Nitrosodiphenylamine	15.986	169	350902	23.682	ng/ul	99
68) 4-Bromophenyl-phenylether	16.669	248	136076	24.353	ng/ul	99
69) Hexachlorobenzene	16.792	284	155256	23.555	ng/ul	100
70) Atrazine	16.939	200	128545	21.725	ng/ul	97
71) Pentachlorophenol	17.151	266	67968m	18.245	ng/ul	
72) Phenanthrene	17.533	178	605436	21.601	ng/ul	99
74) Anthracene	17.627	178	621273	21.846	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.528	216	210734	29.235	ng/uL	99
76) Pentachlorobenzene	15.045	250	202152	26.785	ng/uL	98
77) Carbazole	17.898	167	519544	20.290	ng/ul	99
78) Di-n-butylphthalate	18.421	149	679040	20.901	ng/ul	99
80) Fluoranthene	19.492	202	684746	22.569	ng/ul	98
82) Pyrene	19.845	202	699558	22.287	ng/ul	97
83) Butylbenzylphthalate	20.698	149	315848	22.766	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.492	252	233617	21.248	ng/ul	100
85) Benzo(a)anthracene	21.563	228	706445	21.714	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.457	149	474032	23.116	ng/ul	99
87) Chrysene	21.621	228	665154	21.630	ng/ul	99
89) Di-n-octyl phthalate	22.421	149	845356	21.792	ng/ul	100
90) Benzo(b)fluoranthene	23.345	252	796575	20.908	ng/ul	97
91) Benzo(k)fluoranthene	23.398	252	745084	20.231	ng/ul	99
93) Benzo(a)pyrene	24.021	252	704947	21.222	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.839	276	1005298	23.385	ng/ul	98
95) Dibenzo(a,h)anthracene	26.850	278	826032	23.585	ng/ul	98
96) Benzo(g,h,i)perylene	27.680	276	834787	23.563	ng/ul	98

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

Instrument :
BNA_P
LabSampleId :
SSTDCCC020

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/23/2023

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015639.D
 Acq On : 22 Jun 2023 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC020

Manual Integrations APPROVED

Quant Time: Jun 22 22:12:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
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