

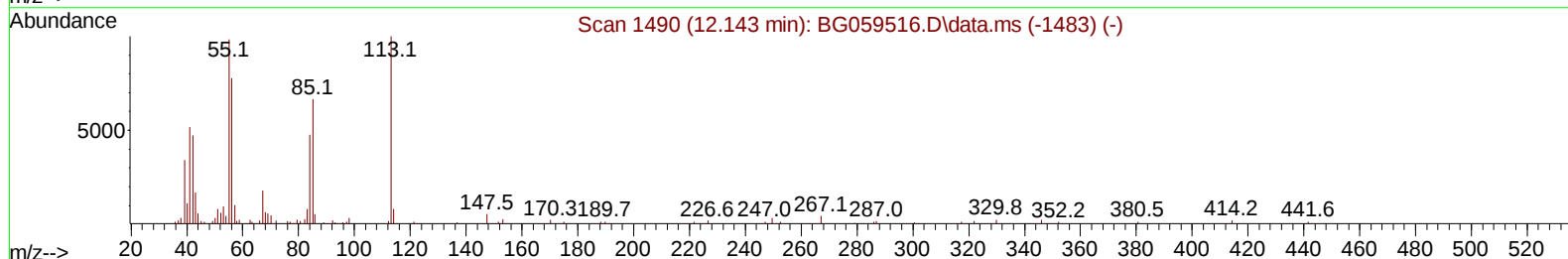
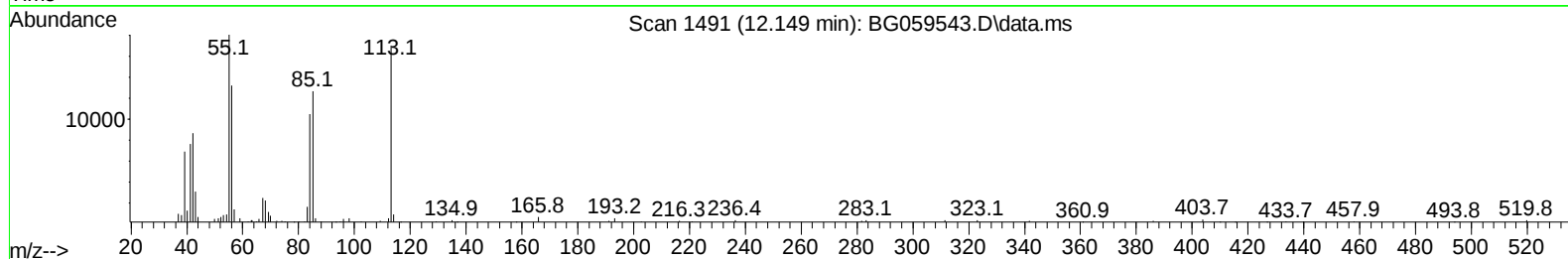
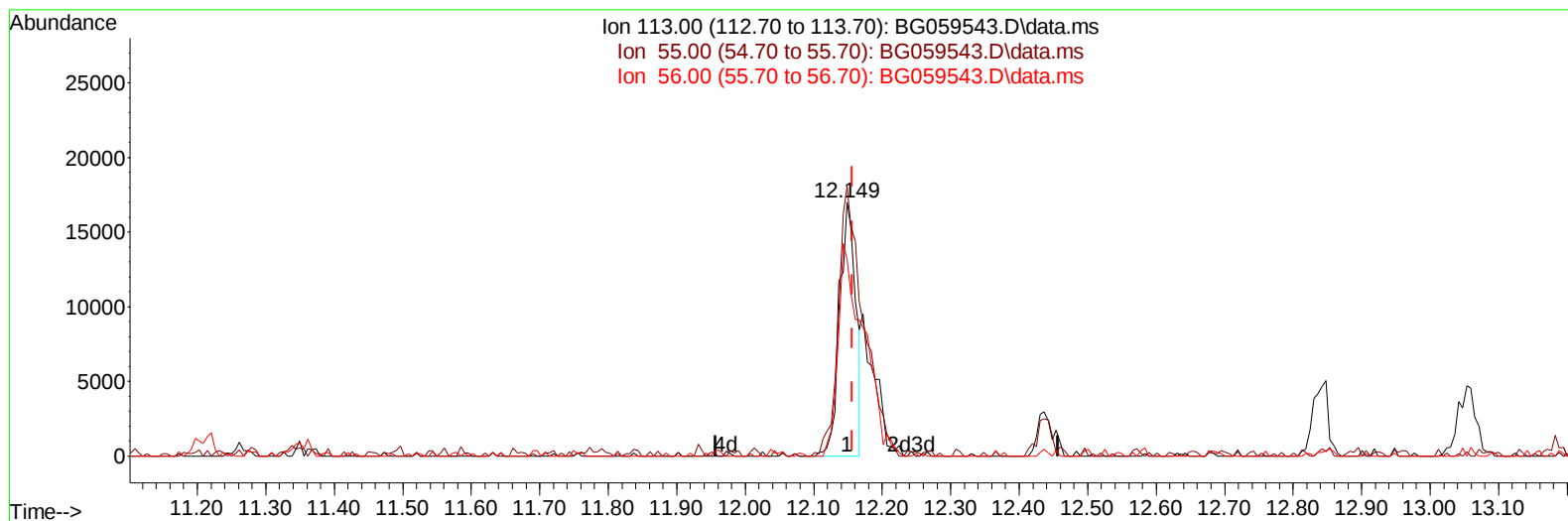
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 30 02:18:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(34) Caprolactam

12.149min (-0.008) 15.01 ng/ul

response 28491

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	108.60	106.21
56.00	80.50	77.49
0.00	0.00	0.00

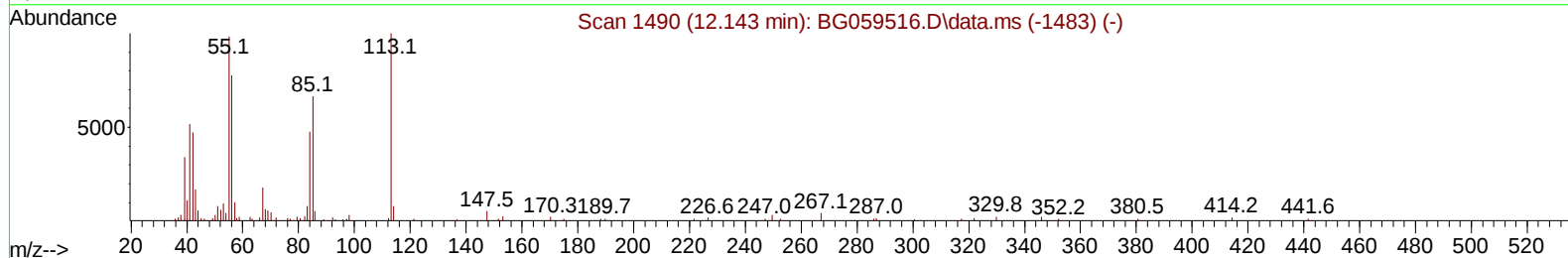
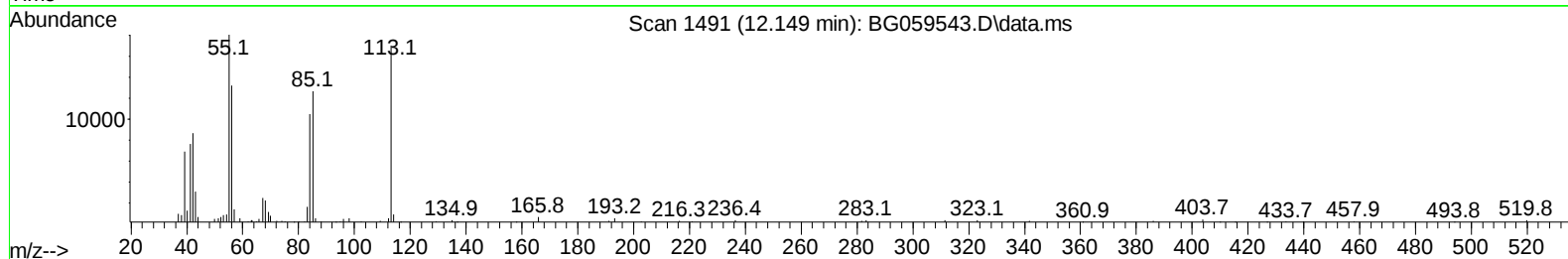
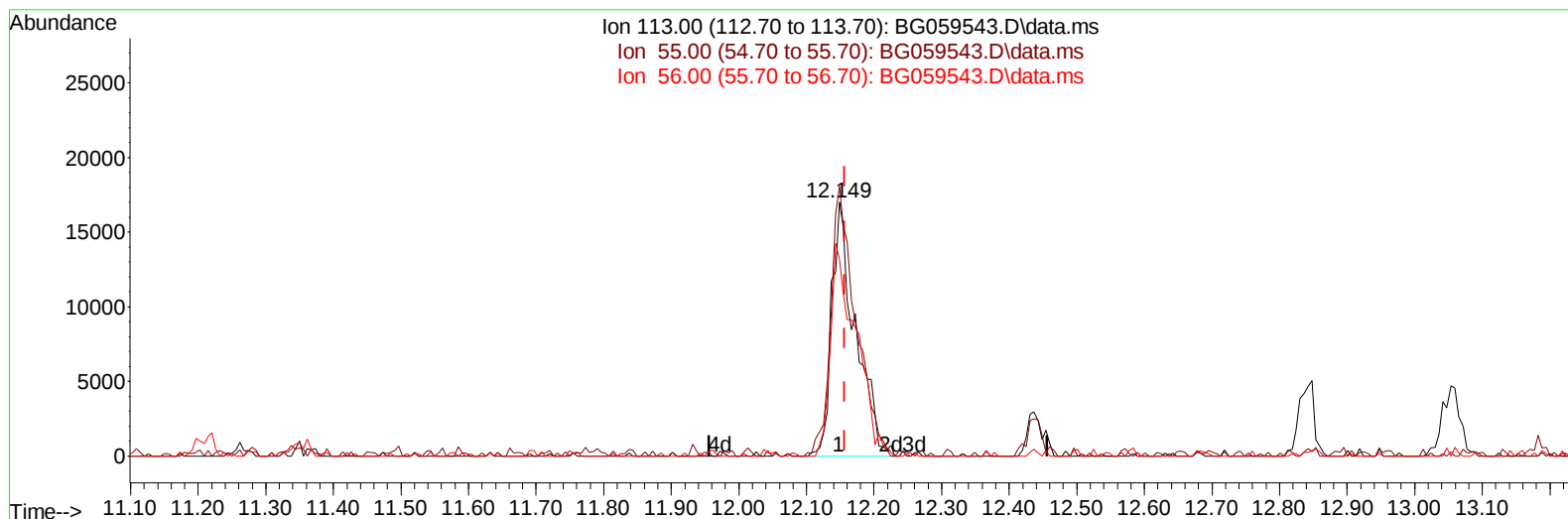
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 30 02:18:38 2023
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 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(34) Caprolactam

12.149min (-0.008) 21.96 ng/ul m

response 41677

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	108.60	106.21
56.00	80.50	77.49
0.00	0.00	0.00

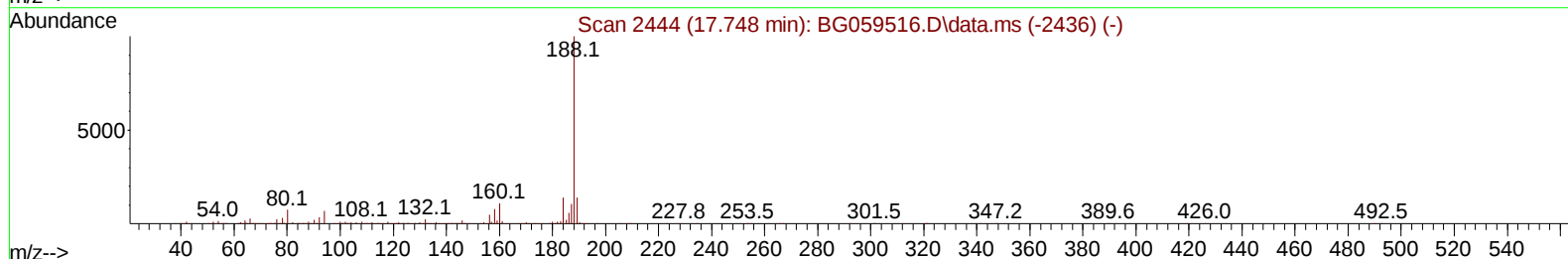
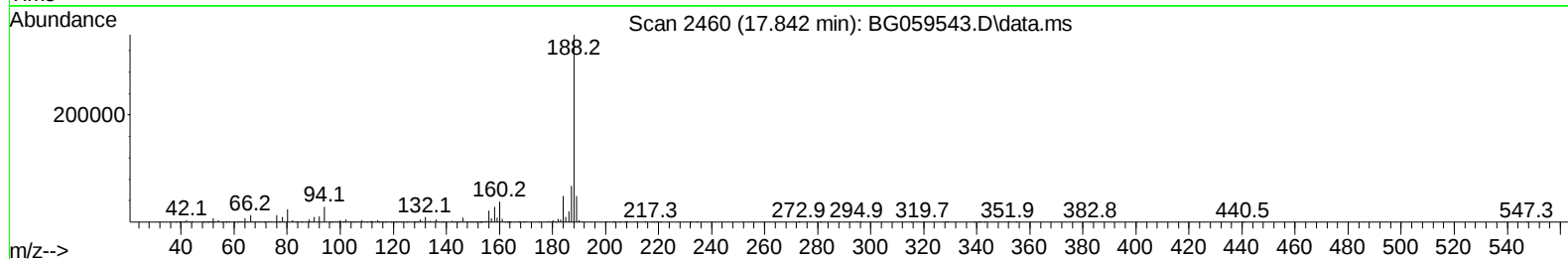
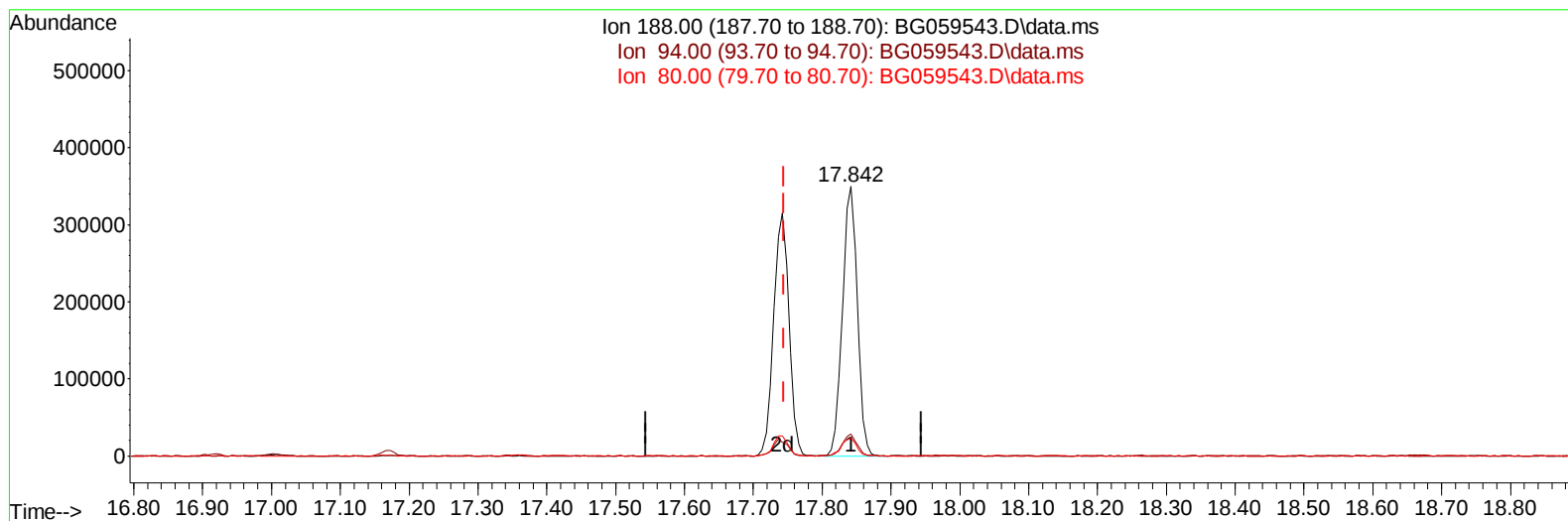
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(64) Phenanthrene-d10 (I)

17.842min (+ 0.098) 20.00 ng/u1

response 527490

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.50	8.24
80.00	7.80	6.79
0.00	0.00	0.00

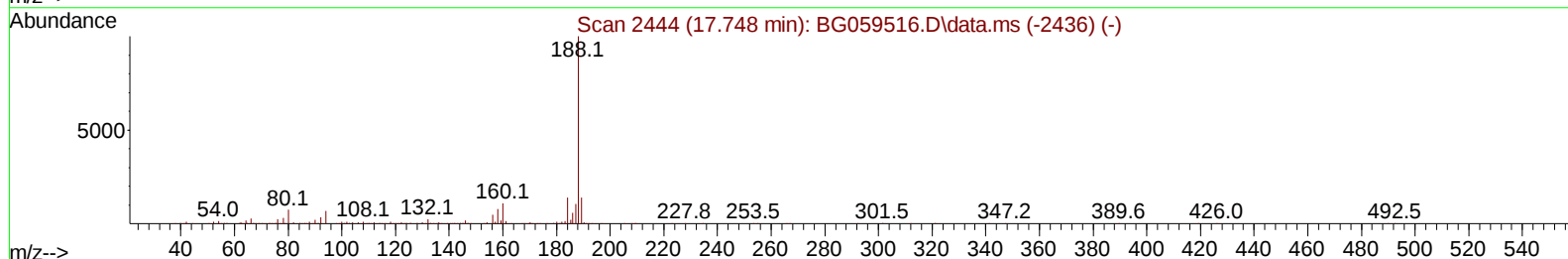
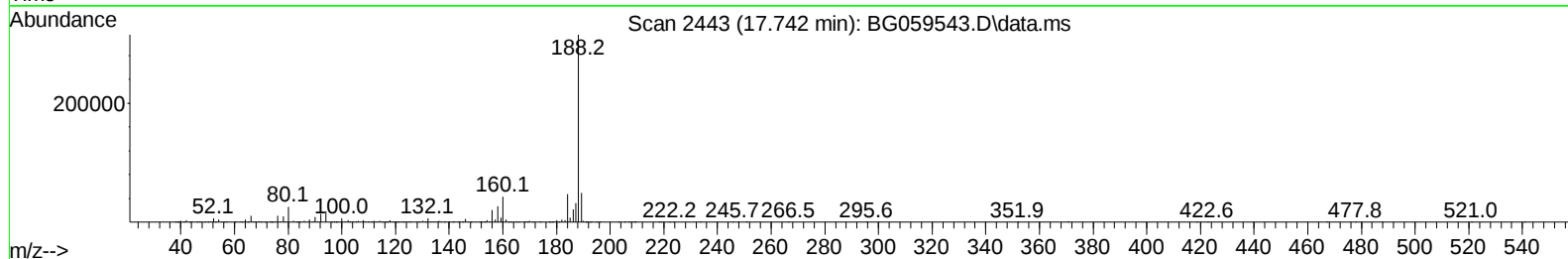
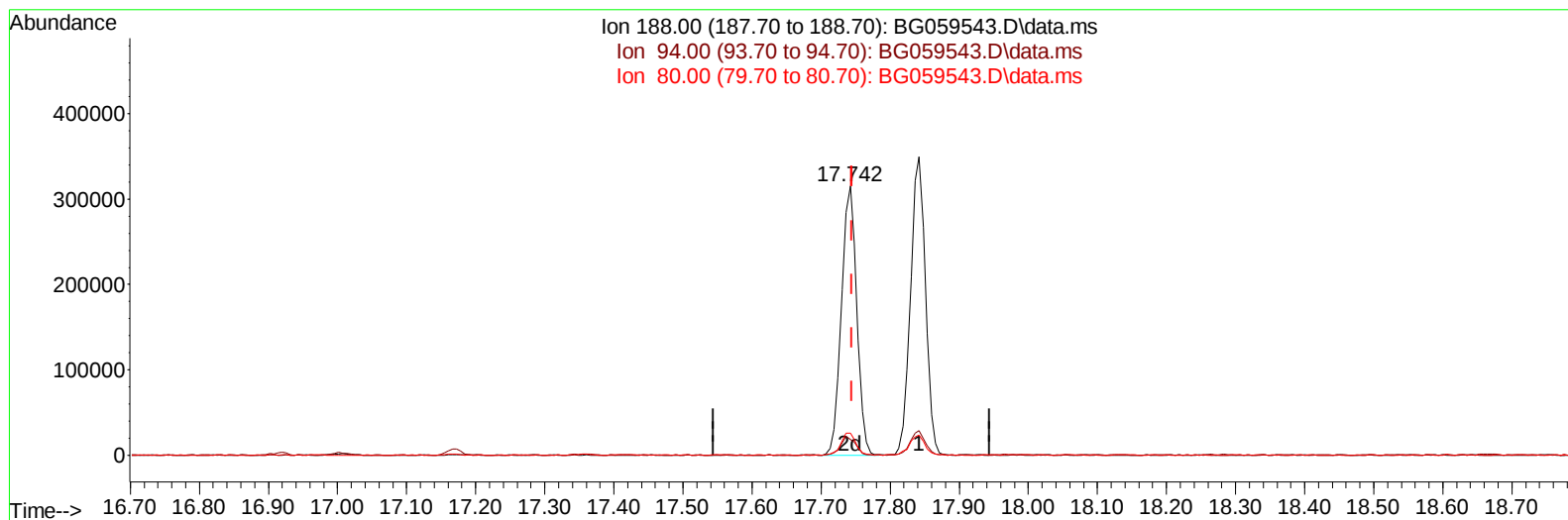
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(64) Phenanthrene-d10 (I)

17.742min (-0.002) 20.00 ng/ul m

response 484667

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.50	5.75#
80.00	7.80	8.23
0.00	0.00	0.00

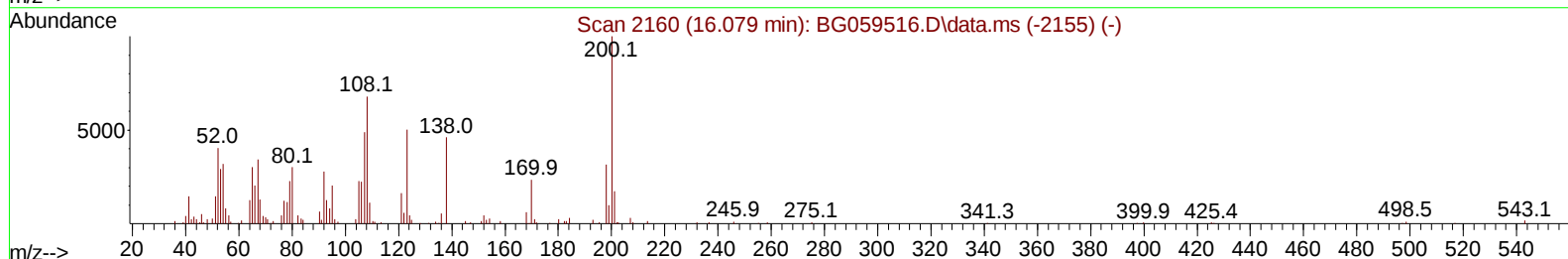
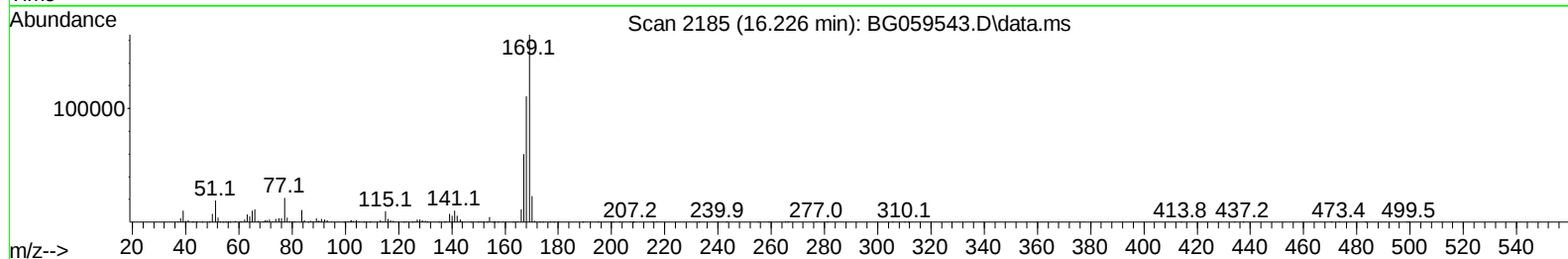
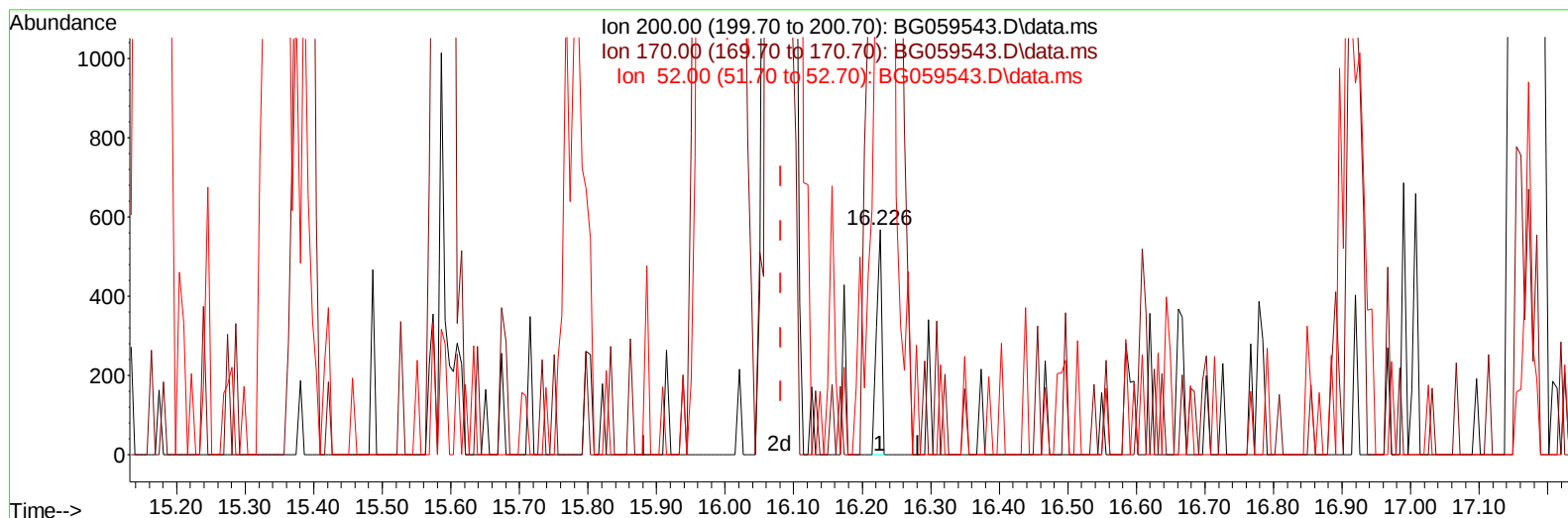
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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 LabSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Oct 30 03:36:37 2023
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TIC: BG059543.D\data.ms

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

16.226min (+ 0.145) 0.14 ng/ul

response 314

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.90	4029.53#
52.00	40.40	687.35#
0.00	0.00	0.00

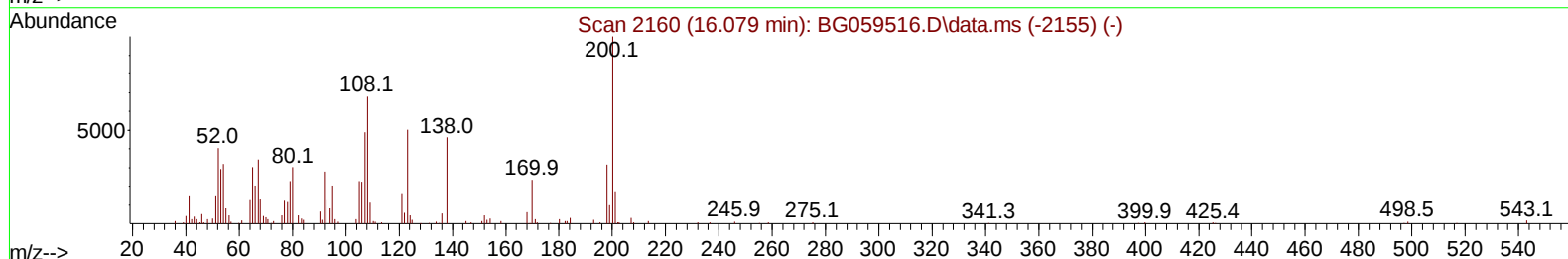
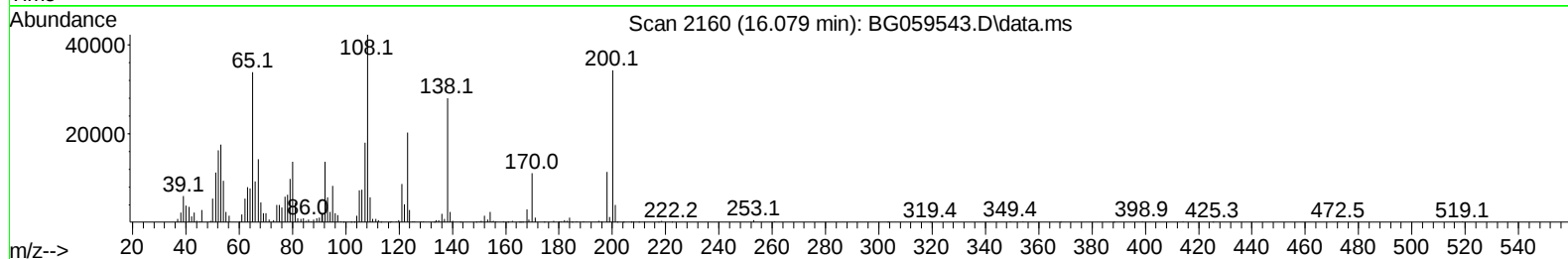
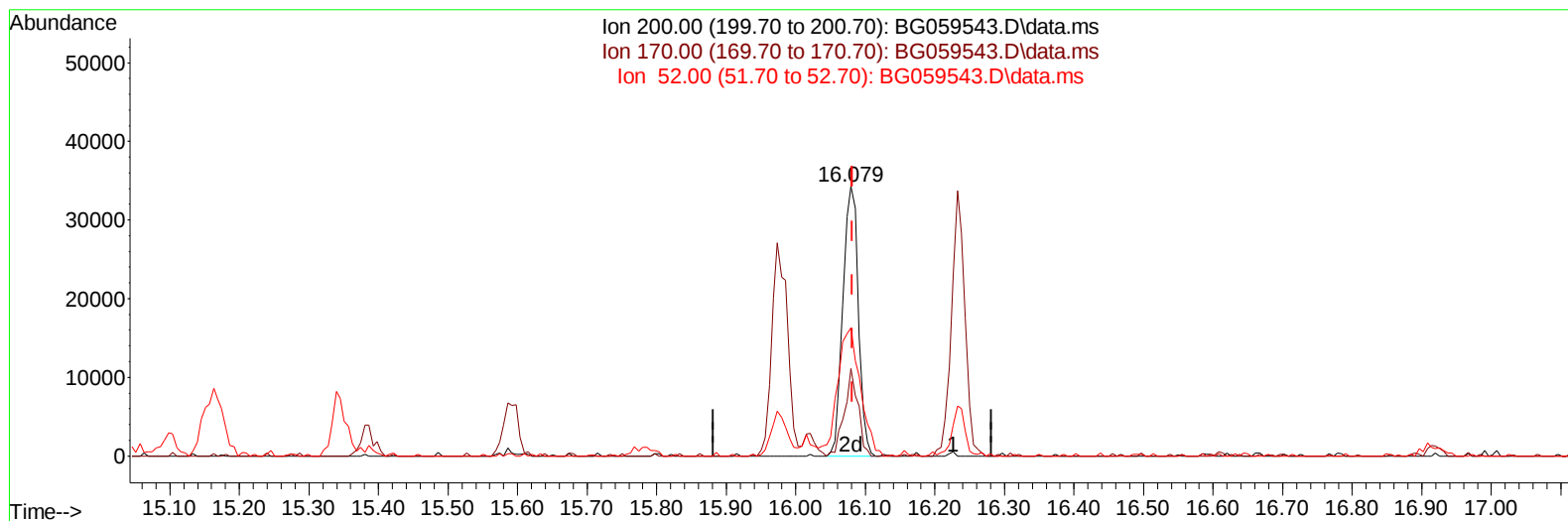
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 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 30 03:36:37 2023
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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

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

16.079min (-0.002) 22.98 ng/ul m

response 52740

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.90	32.36#
52.00	40.40	47.54
0.00	0.00	0.00

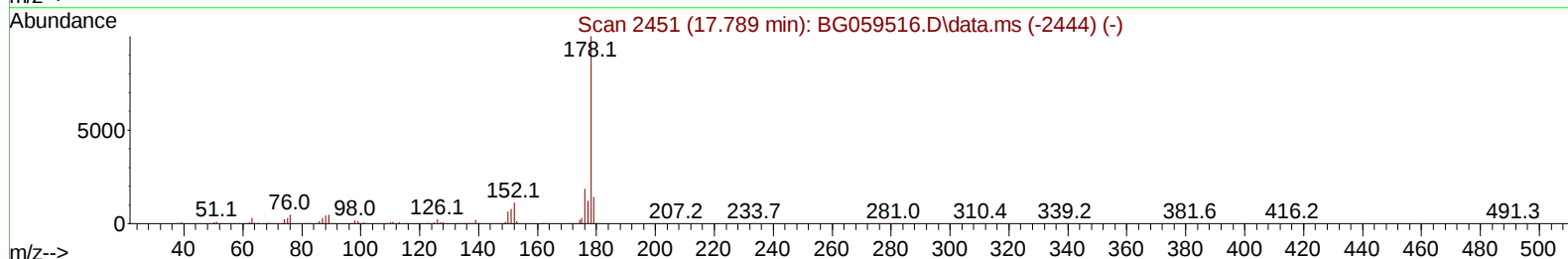
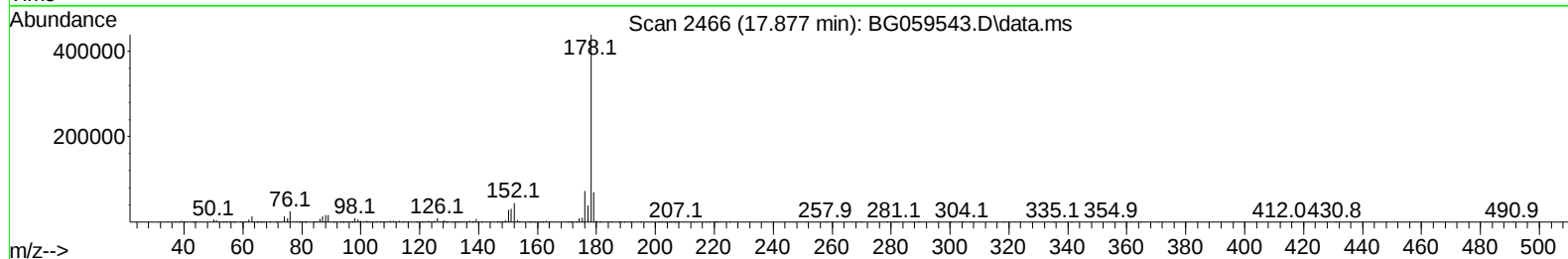
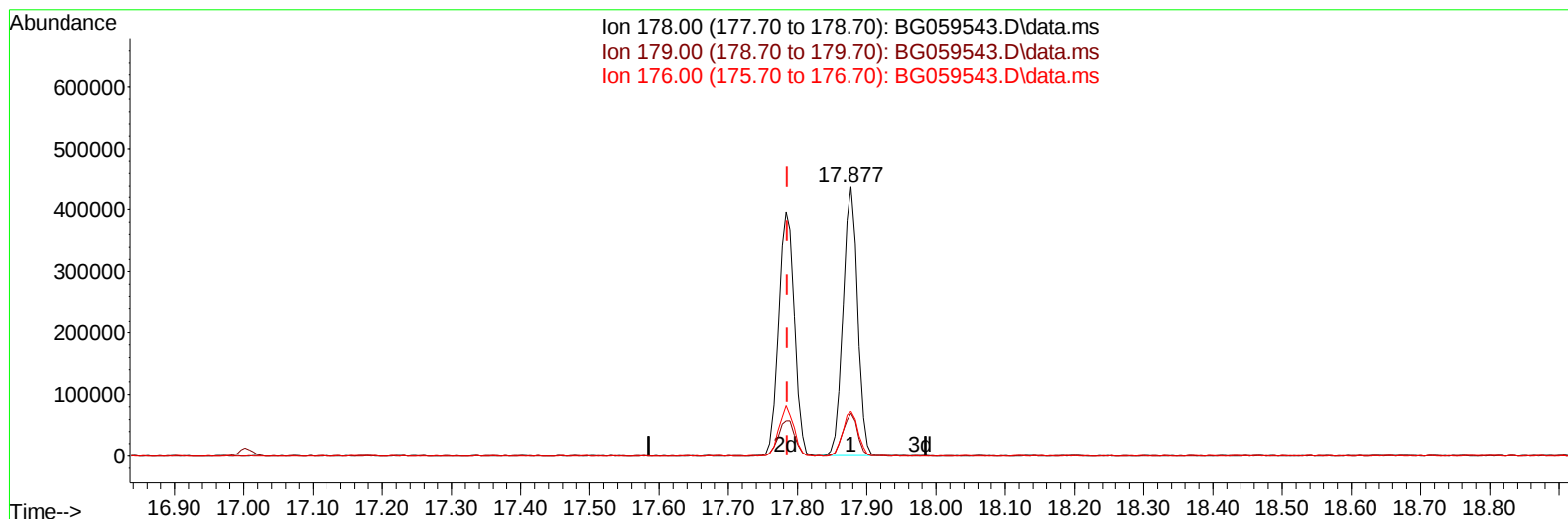
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(72) Phenanthrene

17.877min (+ 0.092) 20.33 ng/ul

response 640568

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.10	15.95
176.00	19.20	16.67
0.00	0.00	0.00

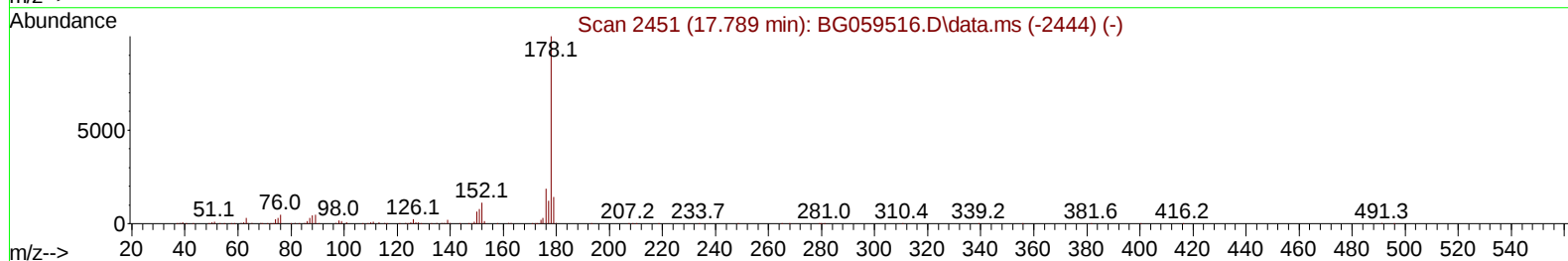
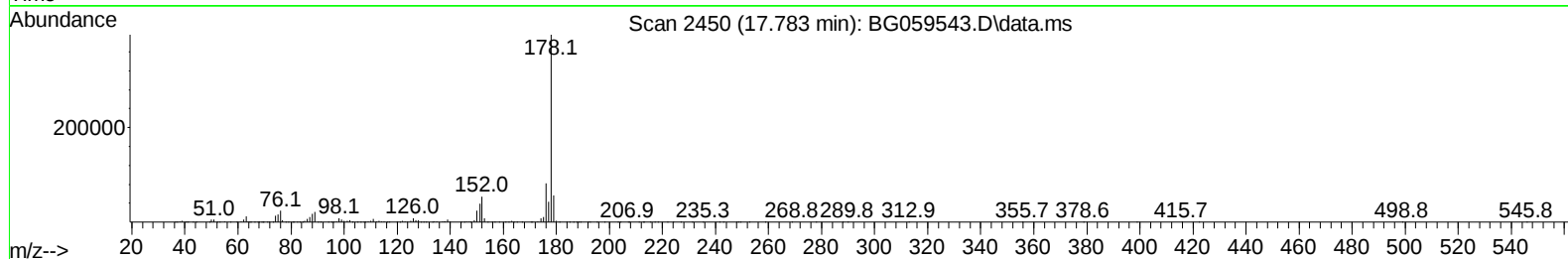
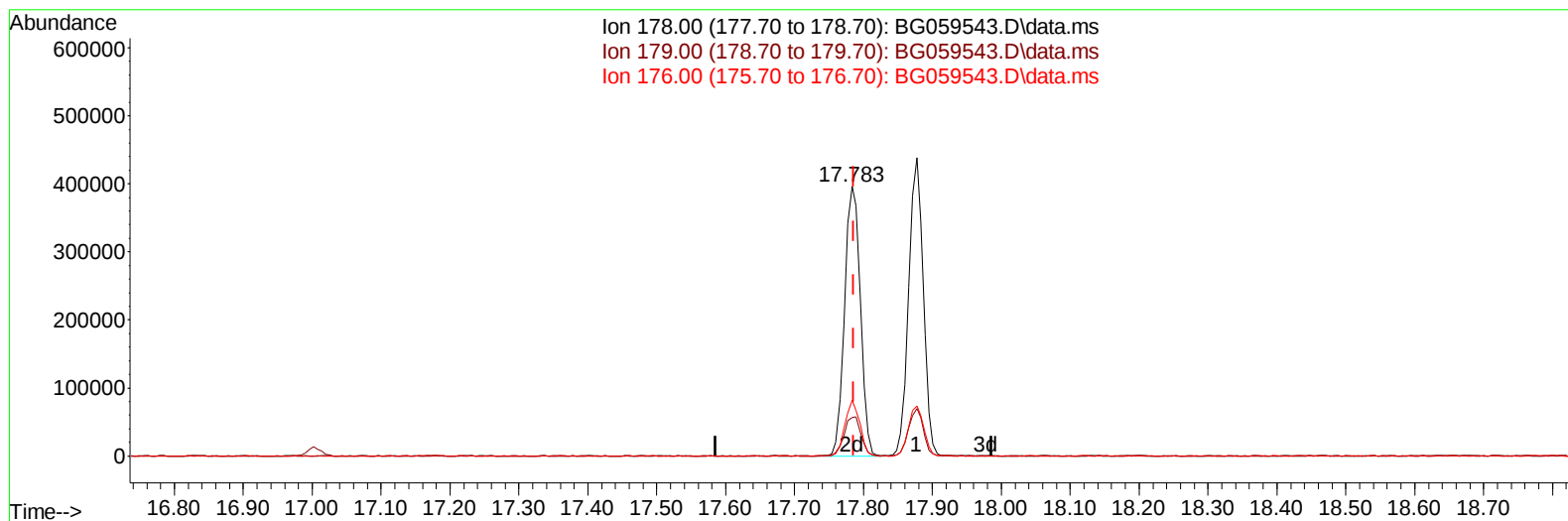
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
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 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 30 03:36:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(72) Phenanthrene

17.783min (-0.002) 19.86 ng/ul m

response 625632

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.10	14.40
176.00	19.20	20.64
0.00	0.00	0.00

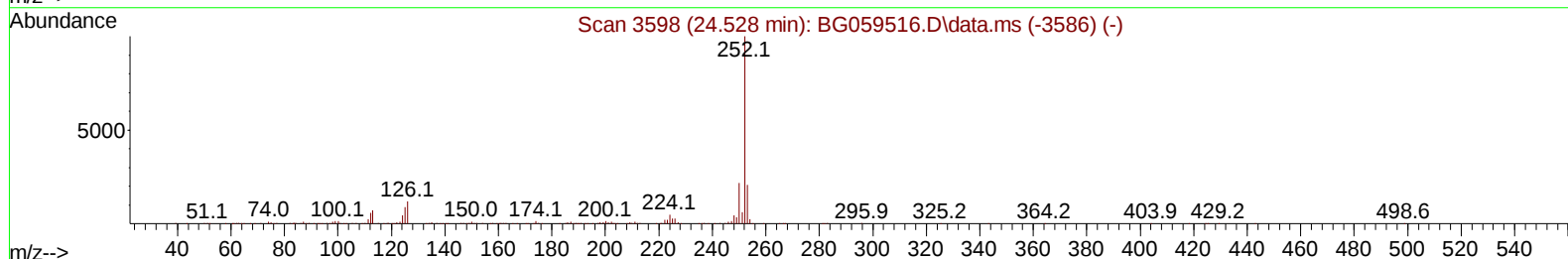
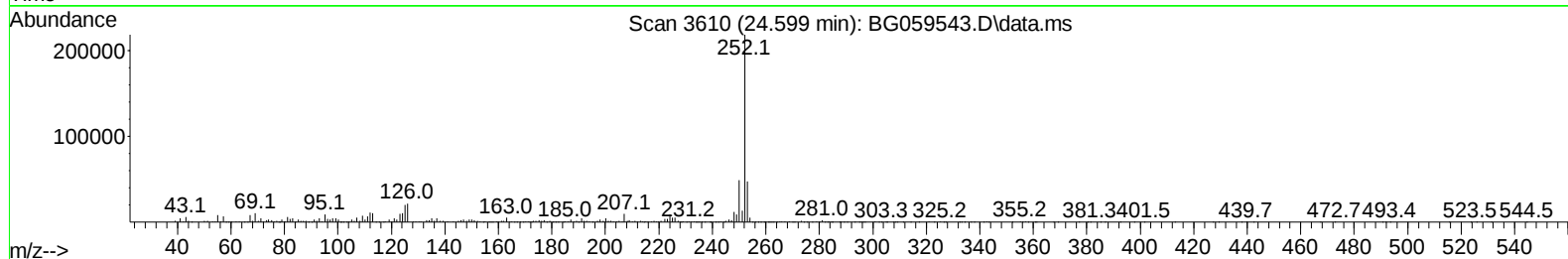
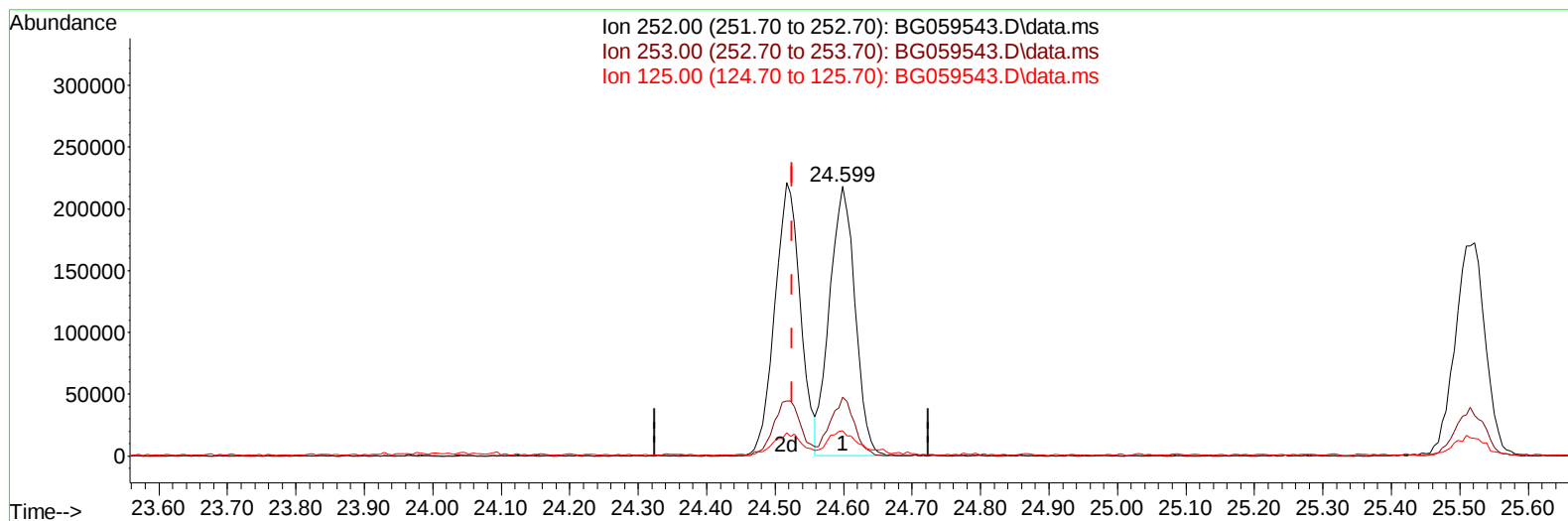
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
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 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
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Manual IntegrationsAPPROVED

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TIC: BG059543.D\data.ms

(90) Benzo(b)fluoranthene

24.599min (+ 0.074) 19.42 ng/u1

response 561076

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	21.75
125.00	10.80	9.29
0.00	0.00	0.00

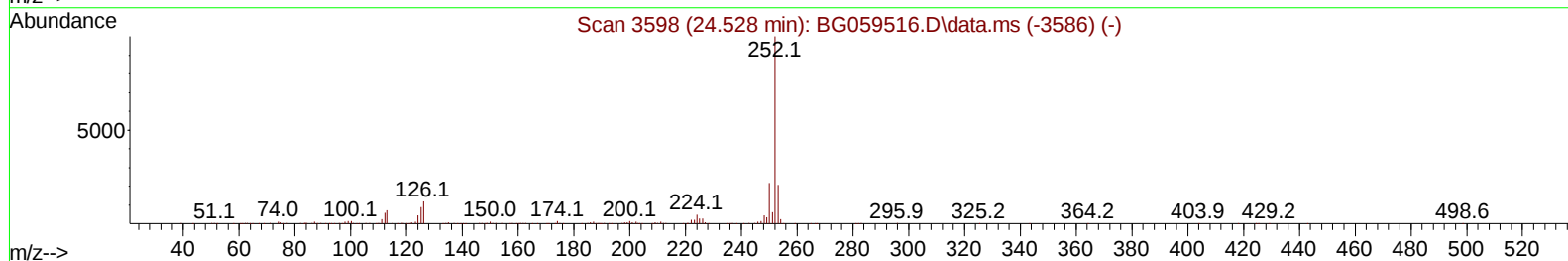
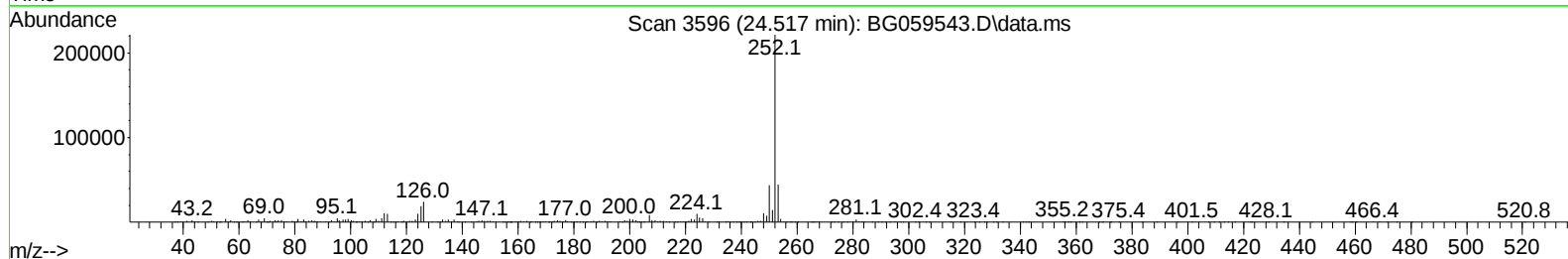
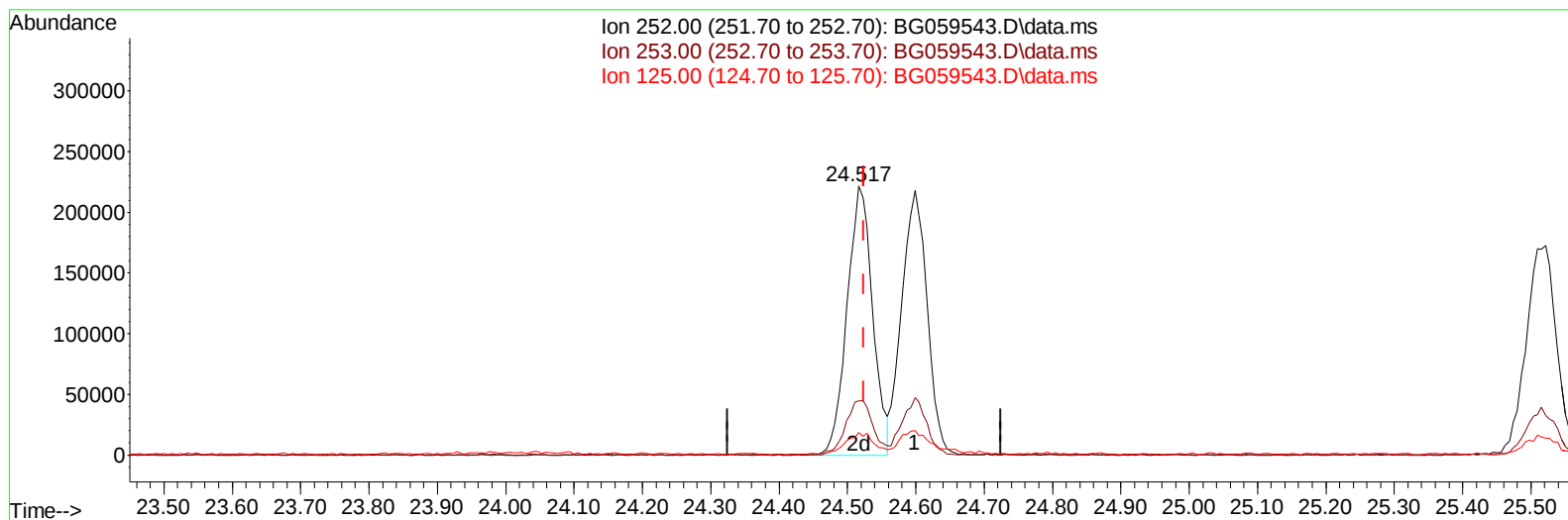
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(90) Benzo(b)fluoranthene

24.517min (-0.008) 19.90 ng/ul m

response 574736

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	20.21
125.00	10.80	8.45#
0.00	0.00	0.00

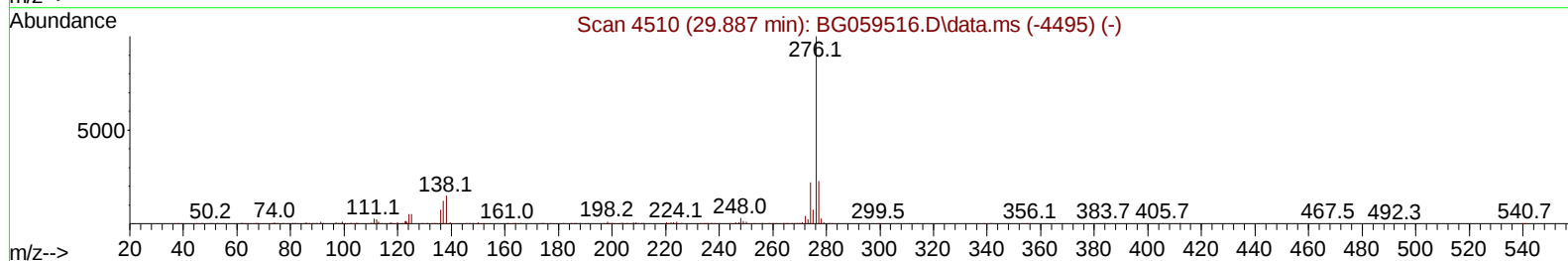
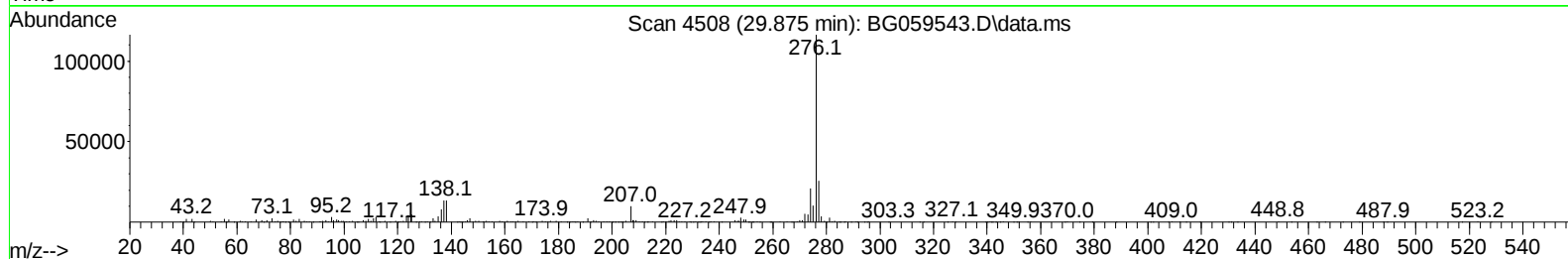
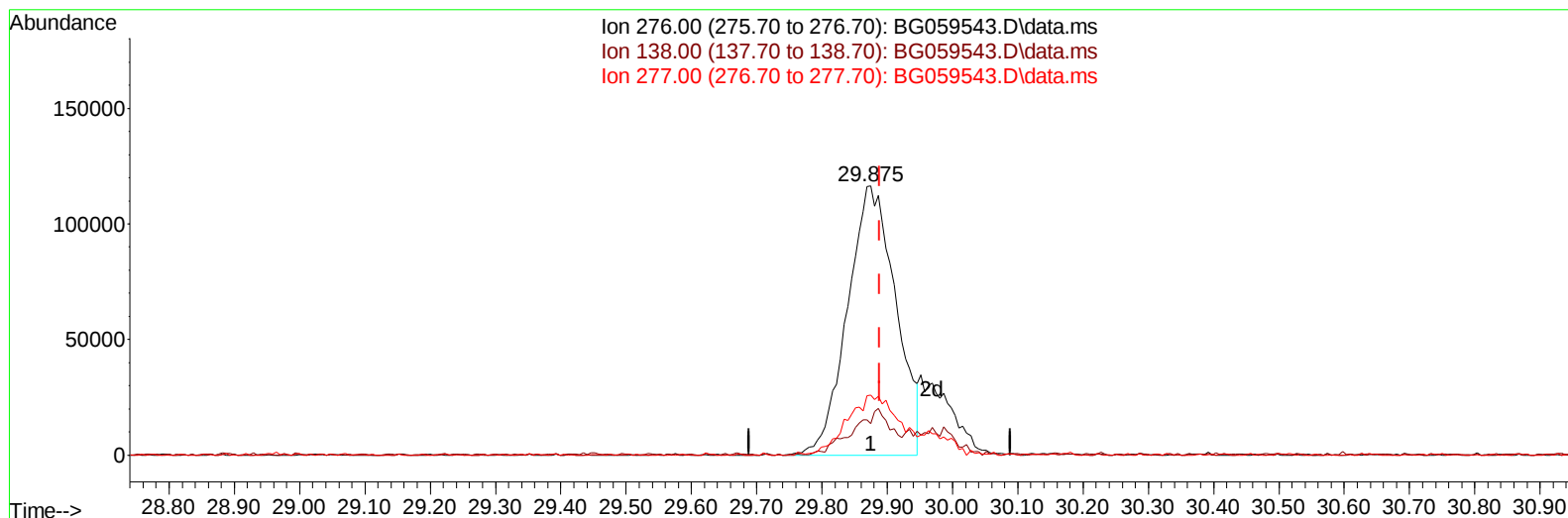
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
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 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

29.875min (-0.014) 17.29 ng/u1

response 598389

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	11.72#
277.00	20.50	22.23
0.00	0.00	0.00

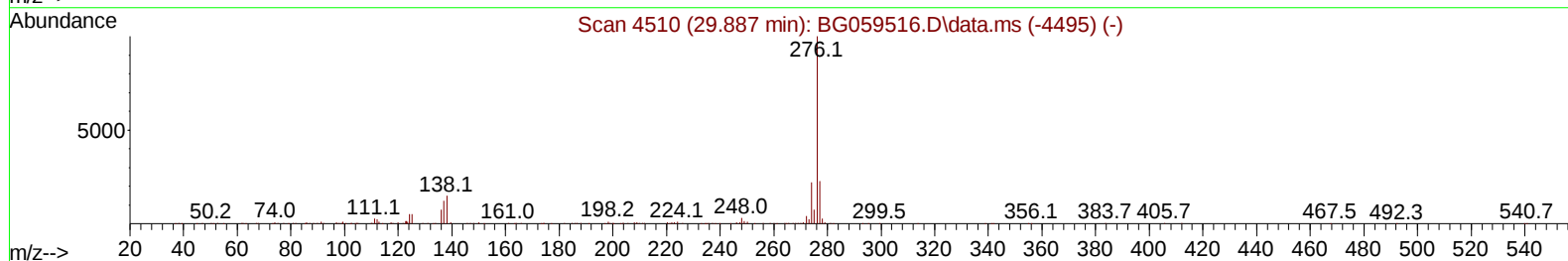
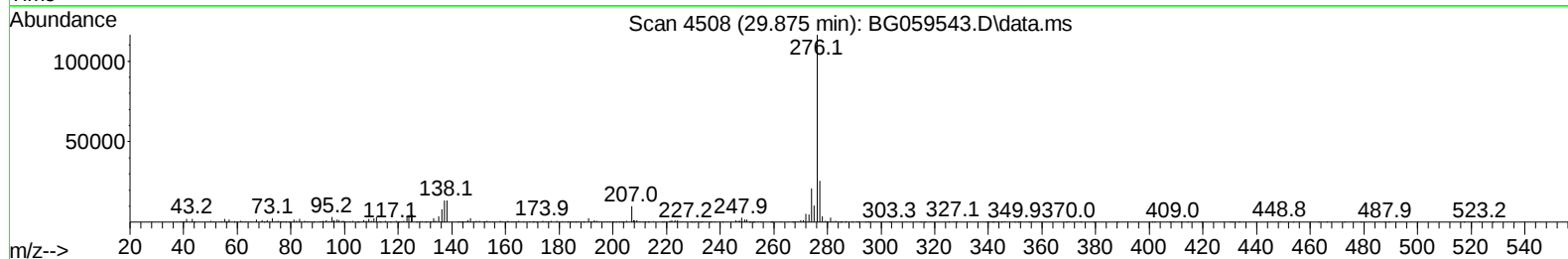
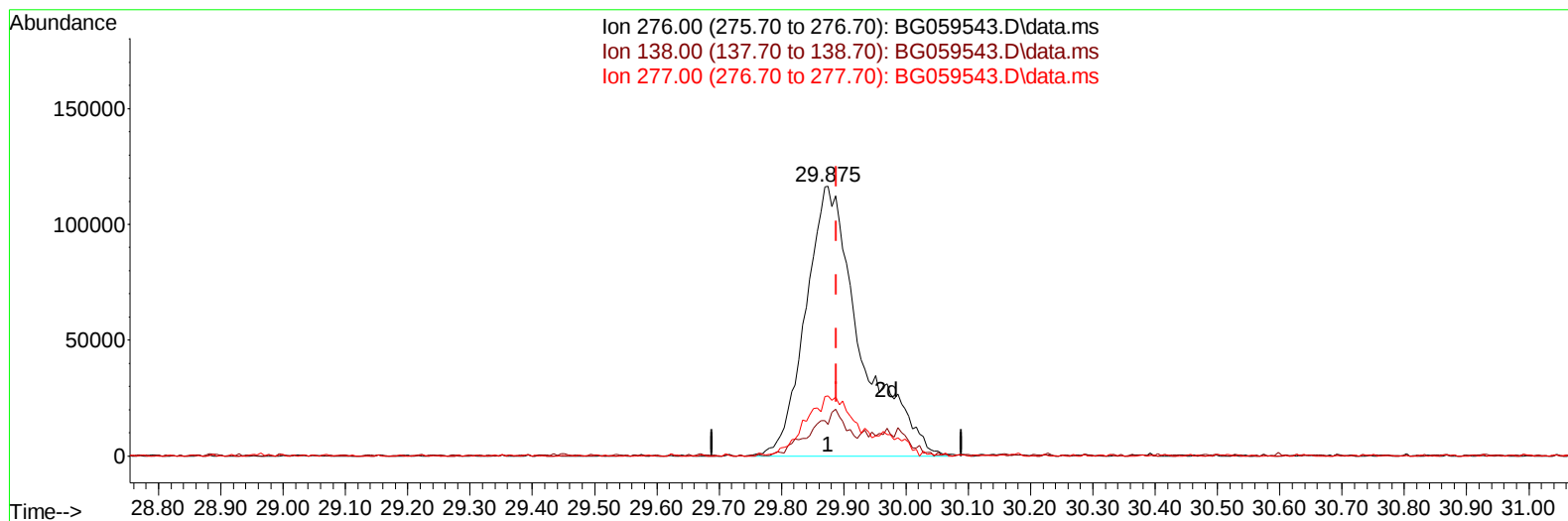
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 30 03:36:37 2023
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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

29.875min (-0.014) 20.51 ng/ul m

response 709845

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	11.72#
277.00	20.50	22.23
0.00	0.00	0.00

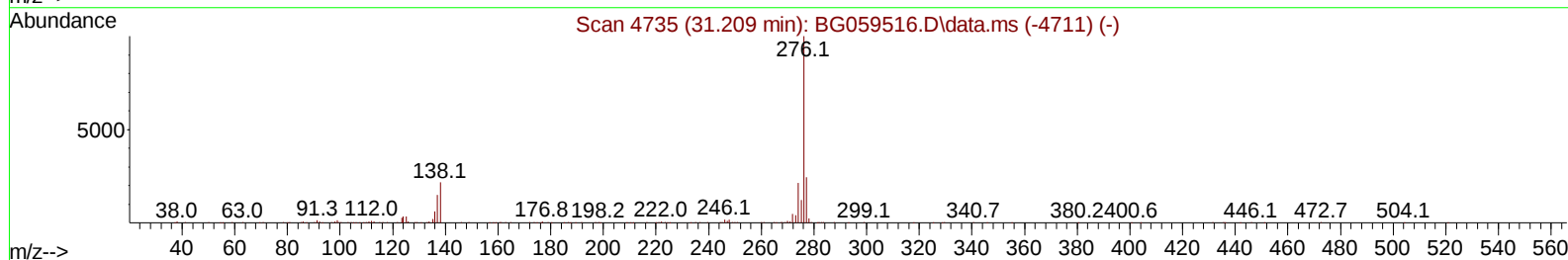
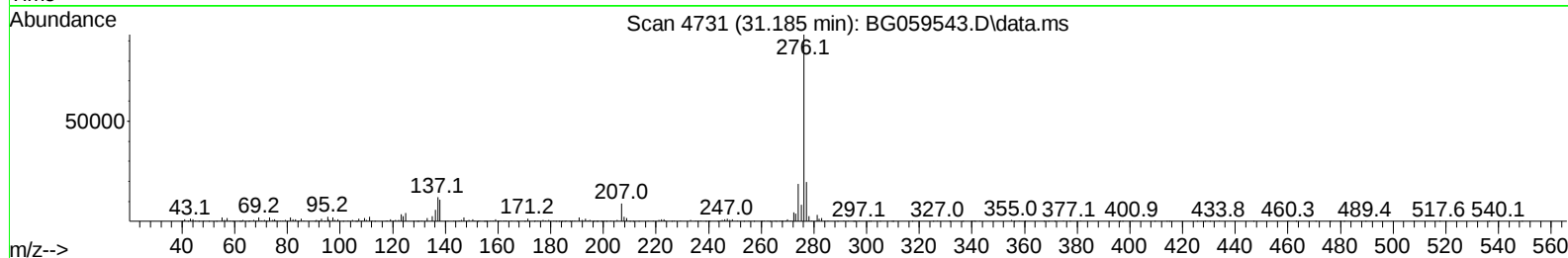
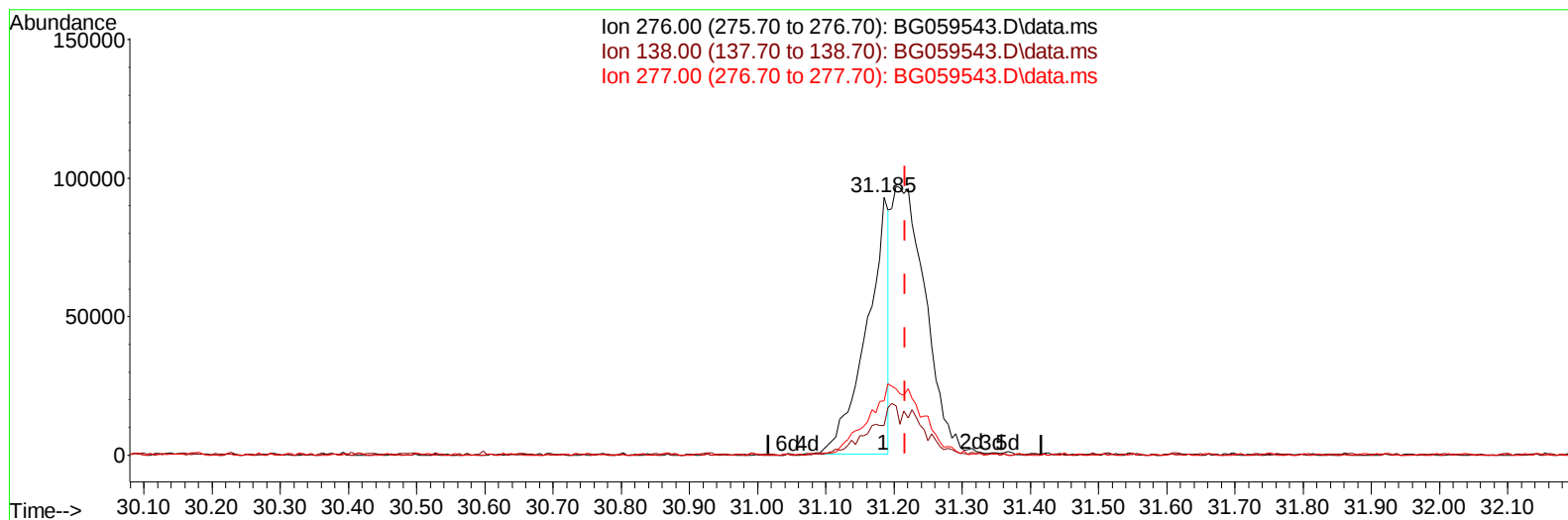
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 30 03:36:37 2023
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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(96) Benzo(g,h,i)perylene

31.185min (-0.032) 7.40 ng/u1

response 209648

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.20	11.53#
277.00	22.80	21.10
0.00	0.00	0.00

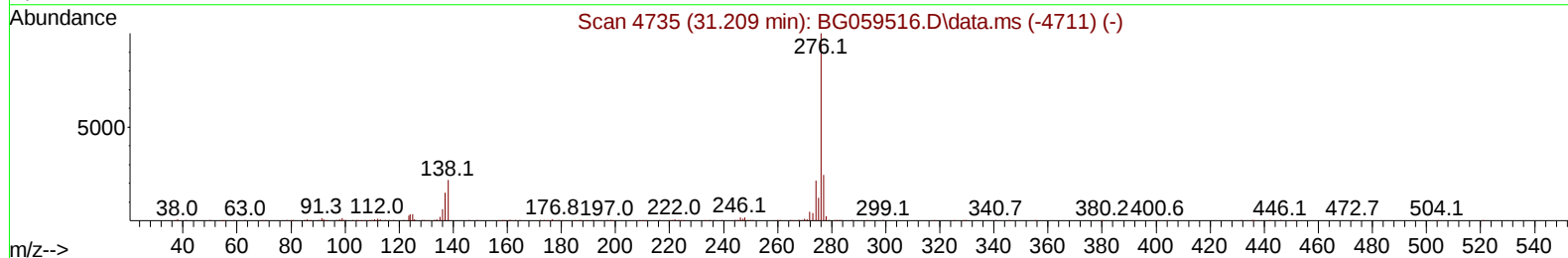
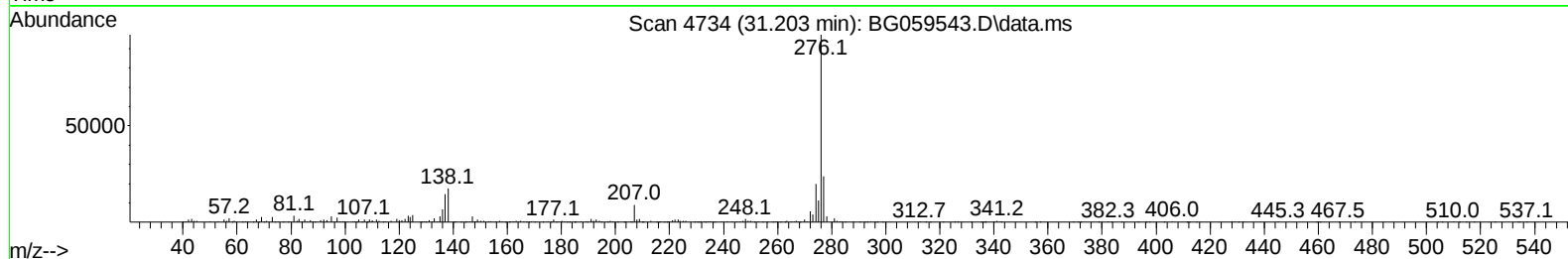
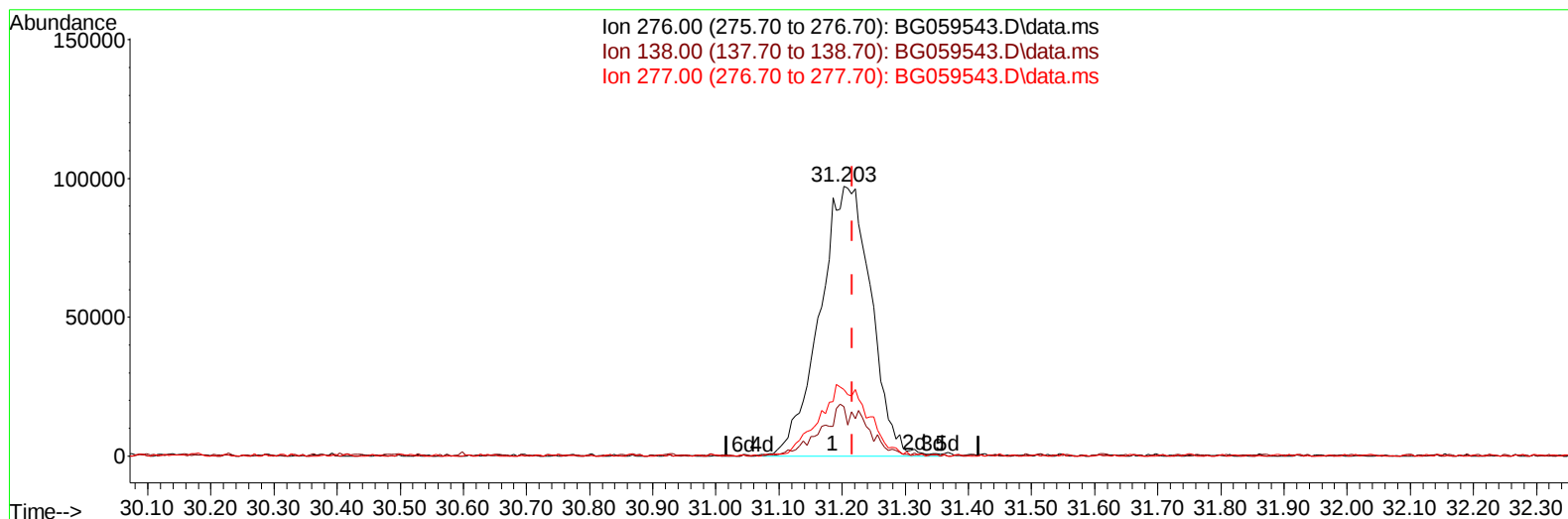
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059543.D
 Acq On : 29 Oct 2023 6:17
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 30 03:38:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059543.D\data.ms

(96) Benzo(g,h,i)perylene

31.203min (-0.014) 19.43 ng/ul m

response 550403

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.20	18.23
277.00	22.80	24.64
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.365	152	70658	20.000	ng/ul	0.00
20) Naphthalene-d8	11.209	136	333373	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.992	164	219722	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.742	188	484667m	20.000	ng/ul	0.00
79) Chrysene-d12	22.078	240	366179	20.000	ng/ul	# 0.00
88) Perylene-d12	25.692	264	398510	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.659	96	13830	7.323	ng/uL	0.00
4) Pyridine-d5	4.093	84	97686	18.510	ng/ul	0.00
7) Phenol-d5	7.472	99	147887	20.368	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.678	67	64850	19.445	ng/ul	0.00
11) 2-Chlorophenol-d4	7.877	132	115483	19.605	ng/ul	0.00
15) 4-Methylphenol-d8	9.046	113	131607	22.846	ng/ul	0.00
21) Nitrobenzene-d5	9.564	128	55475	23.403	ng/ul	0.00
24) 2-Nitrophenol-d4	10.280	143	67228	27.627	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.803	165	117632	21.941	ng/ul	0.00
31) 4-Chloroaniline-d4	11.350	131	191329	21.679	ng/ul	0.00
46) Dimethylphthalate-d6	14.387	166	384475	19.314	ng/ul	0.00
49) Acenaphthylene-d8	14.693	160	461861	19.770	ng/ul	0.00
54) 4-Nitrophenol-d4	15.157	143	81785	23.958	ng/ul	0.00
60) Fluorene-d10	15.980	176	330935	19.453	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.079	200	52740m	22.978	ng/ul	0.00
73) Anthracene-d10	17.842	188	527490	20.089	ng/ul	0.00
81) Pyrene-d10	20.110	212	530886	20.858	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.427	264	478901	20.408	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.694	88	14766	6.986	ng/uL	95
5) Pyridine	4.111	79	90677	17.419	ng/ul	91
6) Benzaldehyde	7.501	77	76919	23.519	ng/ul	93
8) Phenol	7.495	94	141155	20.621	ng/ul	91
10) Bis(2-Chloroethyl)ether	7.777	93	96326	19.189	ng/ul	93
12) 2-Chlorophenol	7.907	128	120590	20.650	ng/ul	95
13) 2-Methylphenol	8.782	108	123944	21.720	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.870	45	86992	18.415	ng/ul	99
16) Acetophenone	9.205	105	188008	20.705	ng/ul#	96
17) N-Nitroso-di-n-propyla...	9.170	70	79958	18.688	ng/ul#	91
18) 4-Methylphenol	9.111	108	134398	22.136	ng/ul	93
19) Hexachloroethane	9.446	117	50131	21.614	ng/ul	87
22) Nitrobenzene	9.599	77	124716	24.376	ng/ul	92
23) Isophorone	10.116	82	248092	19.255	ng/ul#	92
25) 2-Nitrophenol	10.316	139	69950	26.728	ng/ul#	88
26) 2,4-Dimethylphenol	10.333	107	152589	22.167	ng/ul#	91
27) Bis(2-Chloroethoxy)met...	10.598	93	140295	19.555	ng/ul	98
29) 2,4-Dichlorophenol	10.833	162	114018	21.982	ng/ul#	87
30) Naphthalene	11.262	128	426504	20.526	ng/ul	99
32) 4-Chloroaniline	11.379	127	178435	21.284	ng/ul	89
33) Hexachlorobutadiene	11.491	225	66180	21.268	ng/ul	92
34) Caprolactam	12.149	113	41677m	21.964	ng/ul	
35) 4-Chloro-3-methylphenol	12.443	107	143940	23.258	ng/ul	91

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Manual IntegrationsAPPROVED

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 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/31/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.842	142	294262	20.585	ng/ul	98
37) 1-Methylnaphthalene	13.054	142	302591	21.252	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.183	216	126382	19.942	ng/ul	97
40) Hexachlorocyclopentadiene	13.136	237	66660	18.044	ng/ul#	80
41) 2,4,6-Trichlorophenol	13.418	196	96176	21.917	ng/ul	97
42) 2,4,5-Trichlorophenol	13.482	196	104129	21.918	ng/ul	92
43) 1,1'-Biphenyl	13.829	154	386043	19.422	ng/ul#	89
44) 2-Chloronaphthalene	13.882	162	303511	19.646	ng/ul	98
45) 2-Nitroaniline	14.088	65	83343	28.994	ng/ul	85
47) Dimethylphthalate	14.434	163	379661	19.304	ng/ul	97
48) 2,6-Dinitrotoluene	14.569	165	73877	24.902	ng/ul#	78
50) Acenaphthylene	14.722	152	524807	19.498	ng/ul	99
51) 3-Nitroaniline	14.910	138	89568	24.221	ng/ul#	84
52) Acenaphthene	15.051	153	336809	19.197	ng/ul	99
53) 2,4-Dinitrophenol	15.104	184	38341	22.745	ng/ul#	81
55) 4-Nitrophenol	15.169	109	94869	25.218	ng/ul	89
56) Dibenzofuran	15.386	168	449341	19.754	ng/ul	90
57) 2,4-Dinitrotoluene	15.345	165	106058	25.414	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	15.592	232	84063	22.544	ng/ul#	88
59) Diethylphthalate	15.780	149	411547	19.183	ng/ul	97
61) Fluorene	16.032	166	387923	19.755	ng/ul	93
62) 4-Chlorophenyl-phenyle...	16.015	204	169432	20.189	ng/ul	99
63) 4-Nitroaniline	16.068	138	97703	24.896	ng/ul#	88
66) 4,6-Dinitro-2-methylph...	16.091	198	56664	23.425	ng/ul#	71
67) N-Nitrosodiphenylamine	16.232	169	341523	20.623	ng/ul	94
68) 4-Bromophenyl-phenylether	16.920	248	104023	21.448	ng/ul	94
69) Hexachlorobenzene	17.008	284	122158	21.794	ng/ul#	89
70) Atrazine	17.166	200	112875	21.996	ng/ul	94
71) Pentachlorophenol	17.354	266	80719	25.208	ng/ul	95
72) Phenanthrene	17.783	178	625632m	19.856	ng/ul	
74) Anthracene	17.877	178	640003	20.117	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.788	216	132430	20.518	ng/uL	91
76) Pentachlorobenzene	15.280	250	121139	19.779	ng/uL	96
77) Carbazole	18.148	167	589646	21.575	ng/ul	97
78) Di-n-butylphthalate	18.665	149	731158	19.471	ng/ul	98
80) Fluoranthene	19.775	202	659985	21.272	ng/ul#	95
82) Pyrene	20.139	202	656546	20.372	ng/ul	95
83) Butylbenzylphthalate	21.009	149	309297	21.251	ng/ul#	97
84) 3,3'-Dichlorobenzidine	21.967	252	220279	23.133	ng/ul#	96
85) Benzo(a)anthracene	22.055	228	594490	19.728	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.902	149	436980	20.121	ng/ul	96
87) Chrysene	22.131	228	547575	19.534	ng/ul	94
89) Di-n-octyl phthalate	23.259	149	731820	20.975	ng/ul	100
90) Benzo(b)fluoranthene	24.517	252	574736m	19.896	ng/ul	
91) Benzo(k)fluoranthene	24.599	252	561209	19.450	ng/ul	99
93) Benzo(a)pyrene	25.521	252	532441	19.502	ng/ul	93
94) Indeno(1,2,3-cd)pyrene	29.875	276	709845m	20.512	ng/ul	
95) Dibenzo(a,h)anthracene	29.969	278	579401	20.272	ng/ul#	91
96) Benzo(g,h,i)perylene	31.203	276	550403m	19.433	ng/ul	

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

Instrument :

BNA_G

LabSampleId :

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