

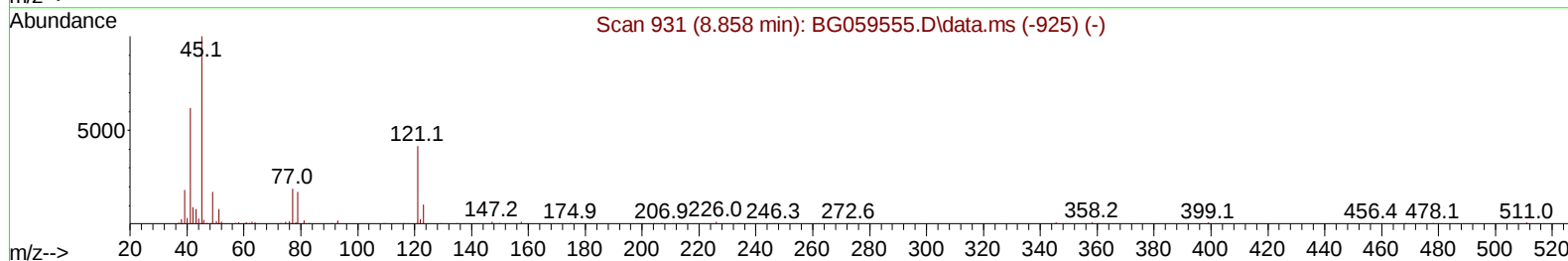
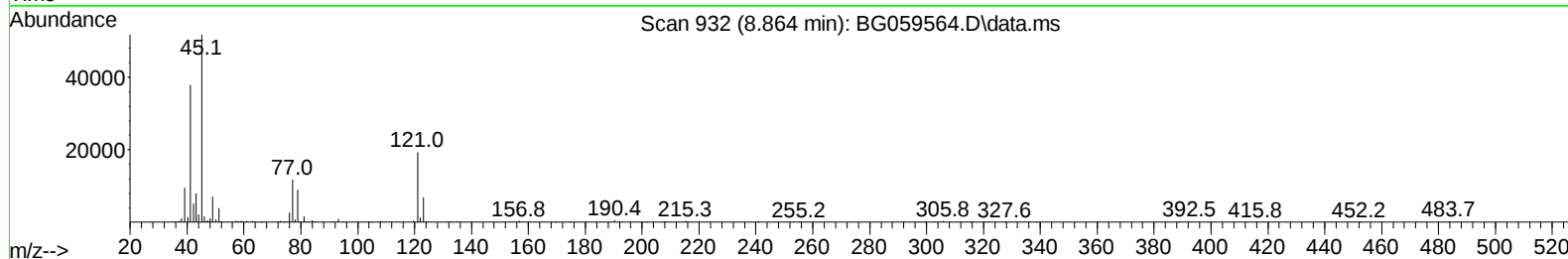
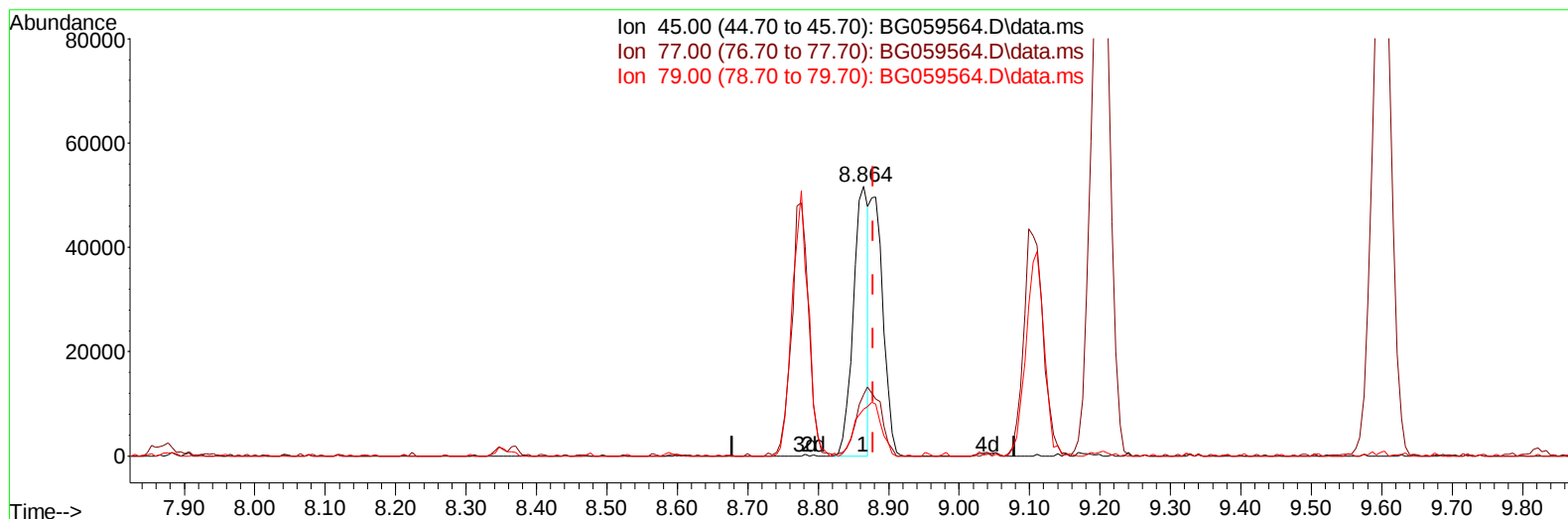
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 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS552

Manual IntegrationsAPPROVED

Quant Time: Nov 01 03:19:28 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 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

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

8.864min (-0.014) 13.50 ng/u1

response 76297

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	18.80	22.88#
79.00	12.50	17.44#
0.00	0.00	0.00

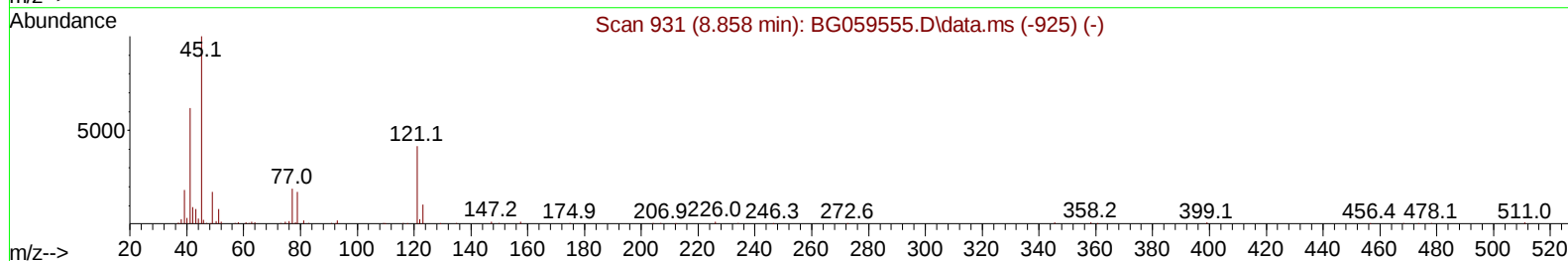
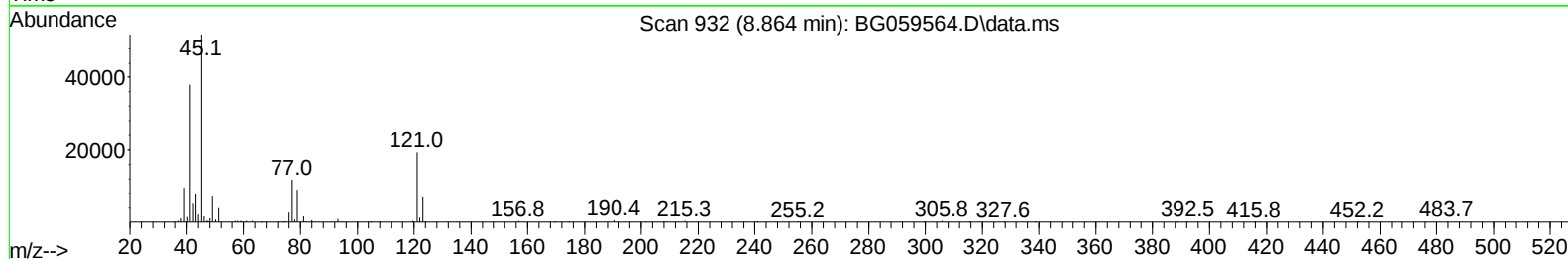
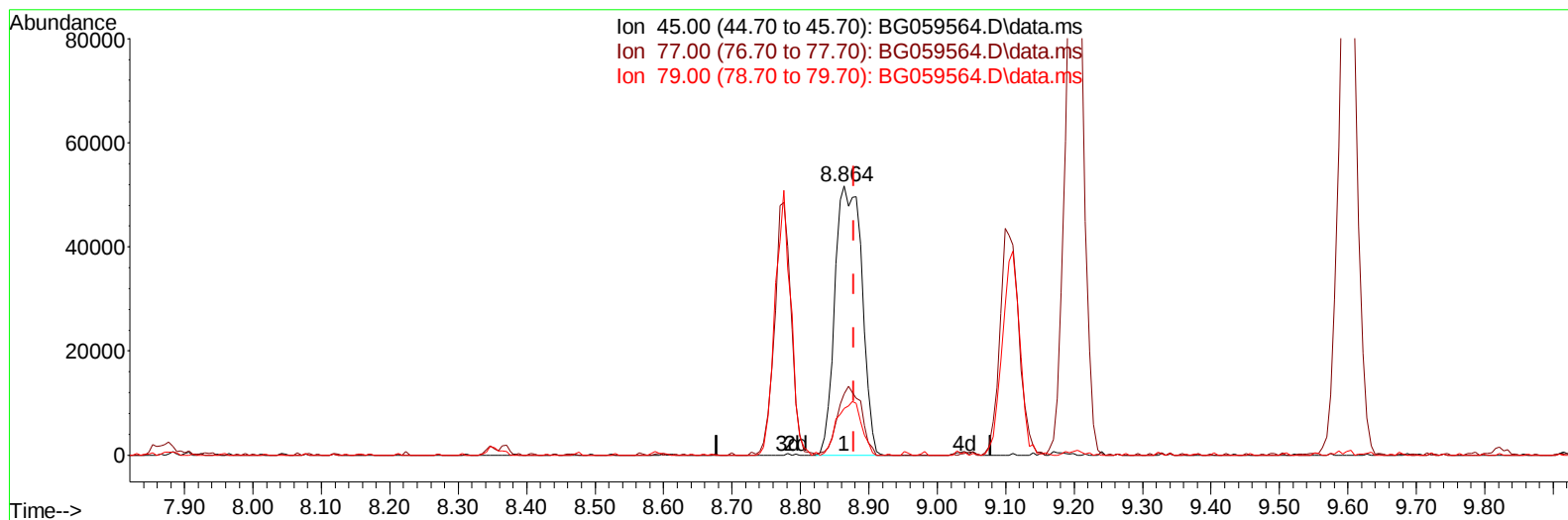
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS552

Manual IntegrationsAPPROVED

Quant Time: Nov 01 03:19:28 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 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

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

8.864min (-0.014) 24.81 ng/ul m

response 140215

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	18.80	22.88#
79.00	12.50	17.44#
0.00	0.00	0.00

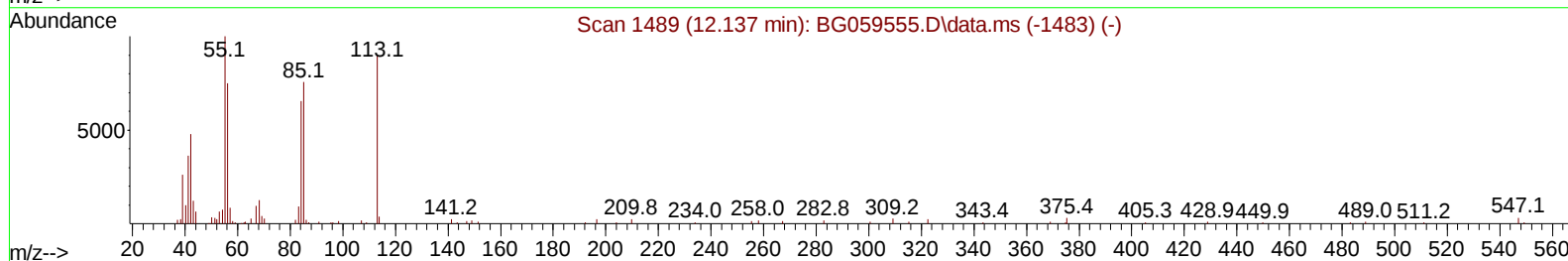
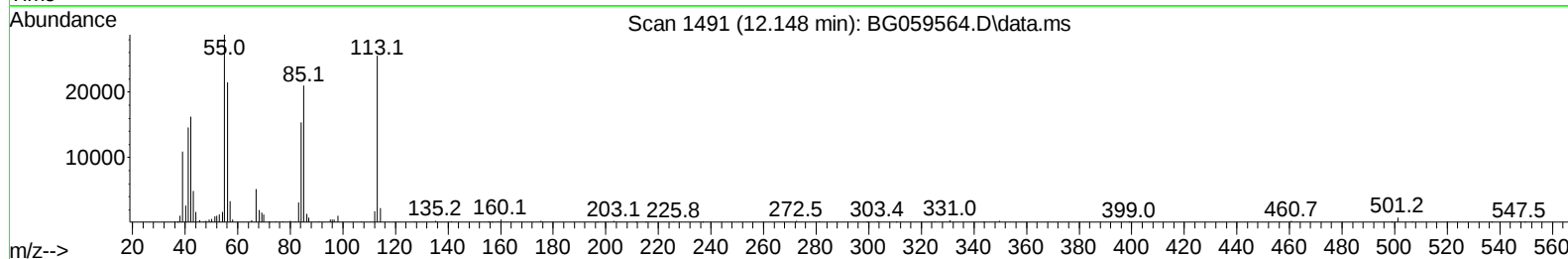
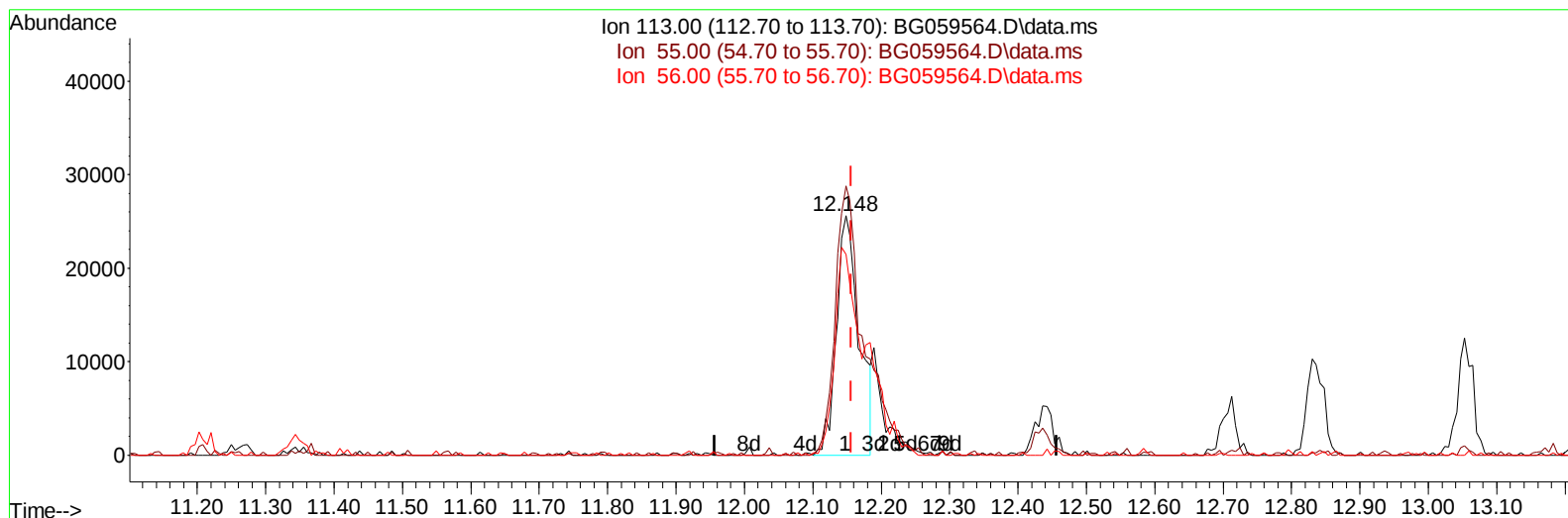
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Nov 01 03:19:28 2023
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Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

(34) Caprolactam

12.148min (-0.008) 23.36 ng/ul

response 58149

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	108.60	112.38
56.00	80.50	83.87
0.00	0.00	0.00

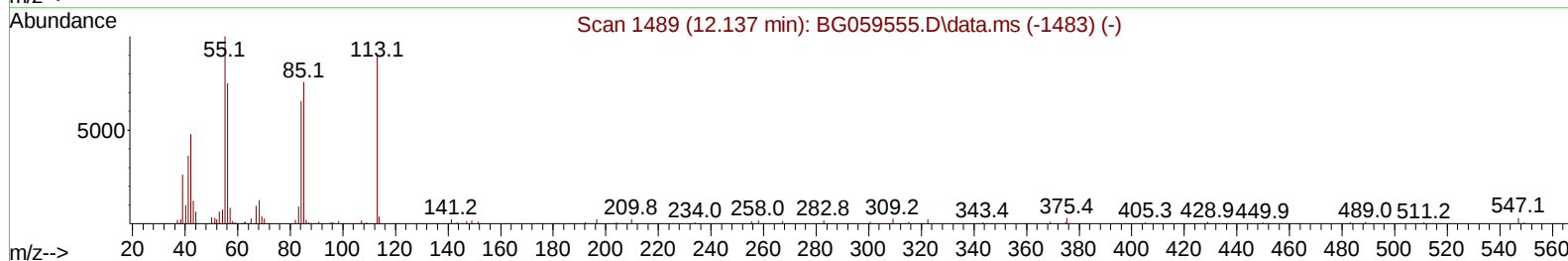
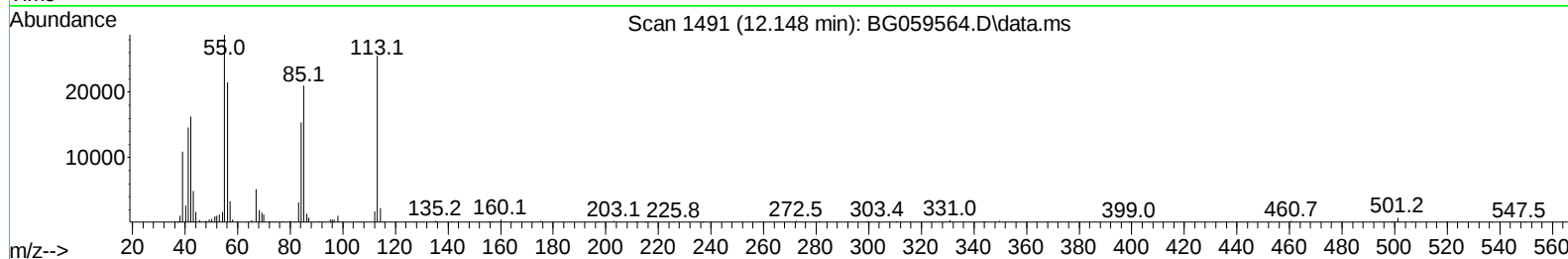
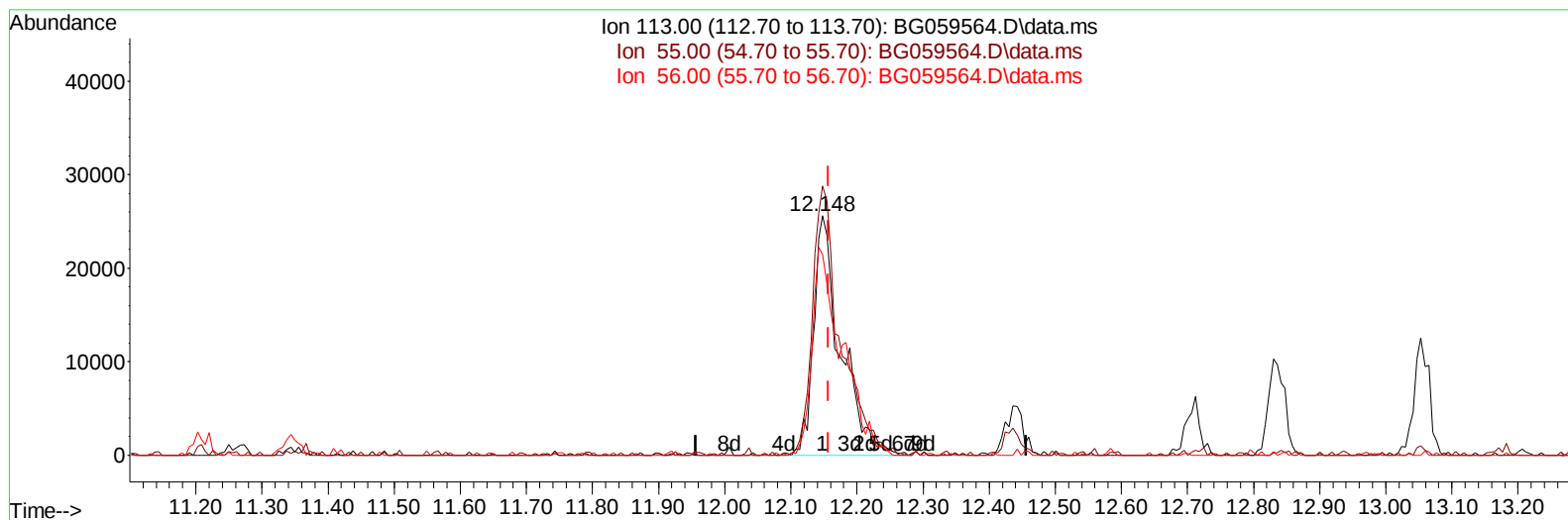
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

(34) Caprolactam

12.148min (-0.008) 28.84 ng/ul m

response 71777

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	108.60	112.38
56.00	80.50	83.87
0.00	0.00	0.00

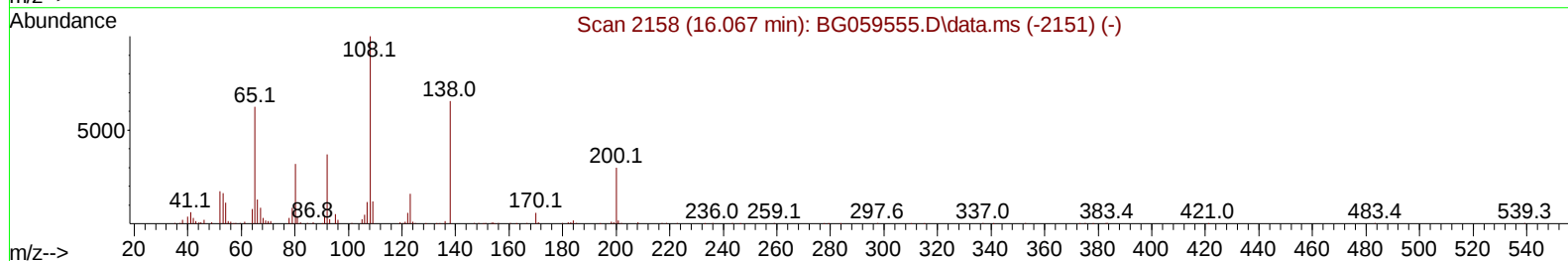
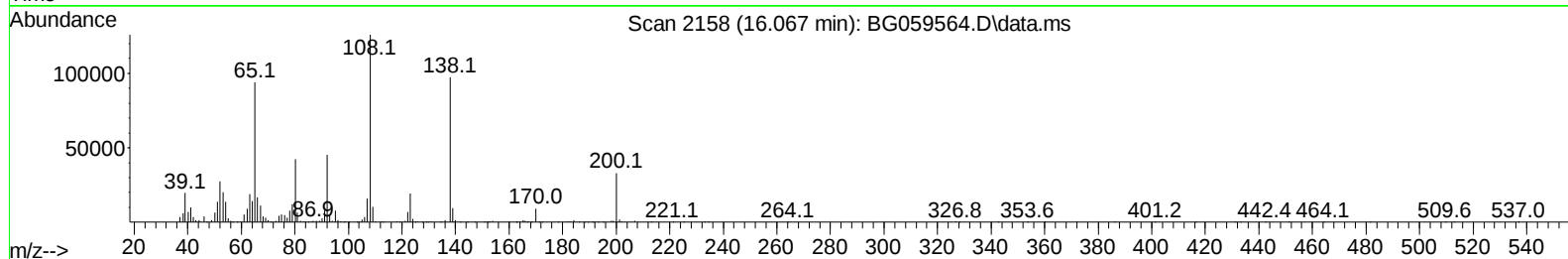
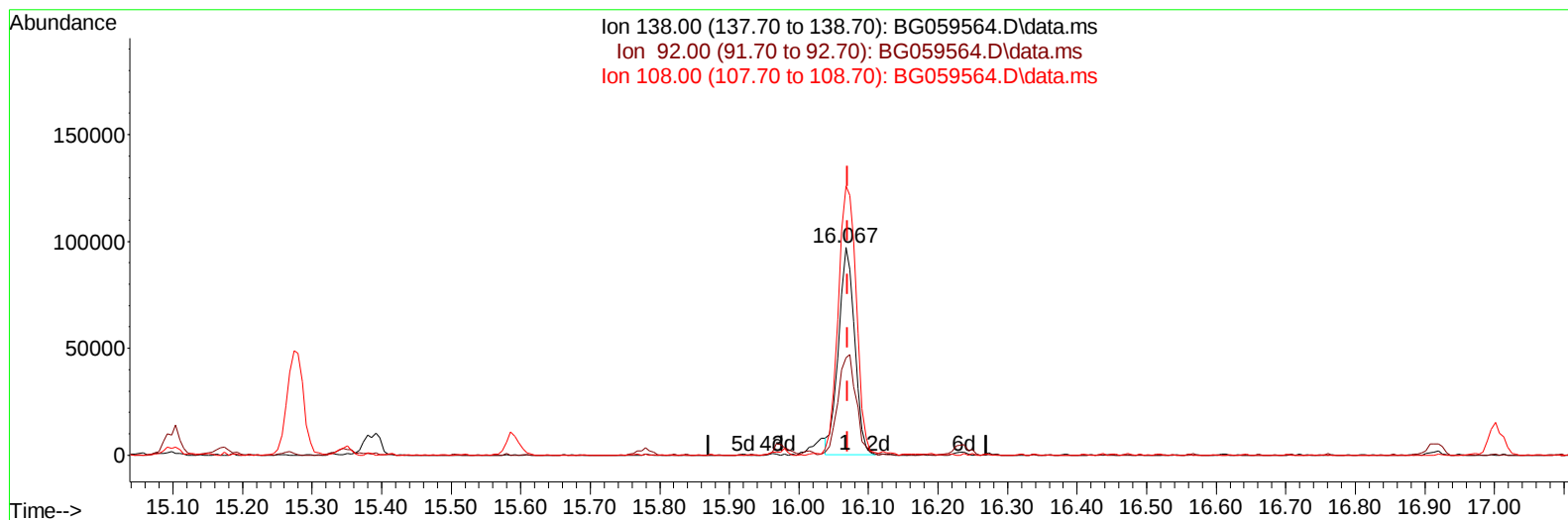
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
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Instrument :
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Manual IntegrationsAPPROVED

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TIC: BG059564.D\data.ms

(63) 4-Nitroaniline

16.067min (-0.003) 31.26 ng/ul

response 156455

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	62.30	46.74#
108.00	126.10	129.40
0.00	0.00	0.00

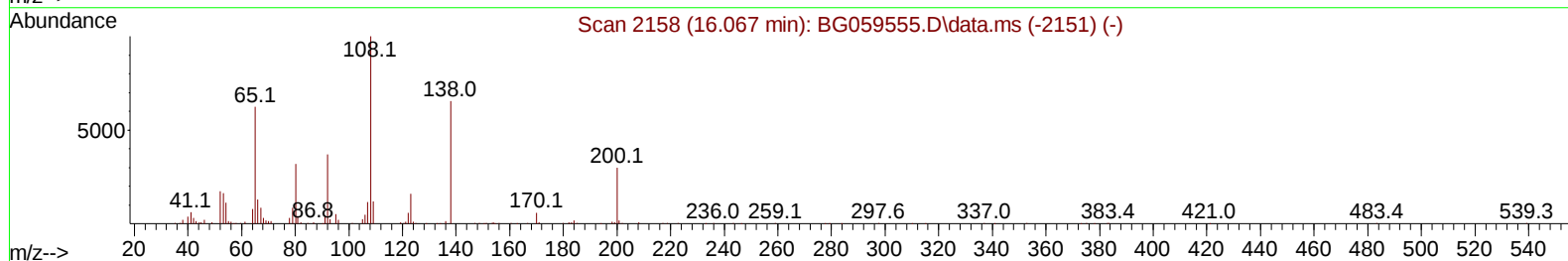
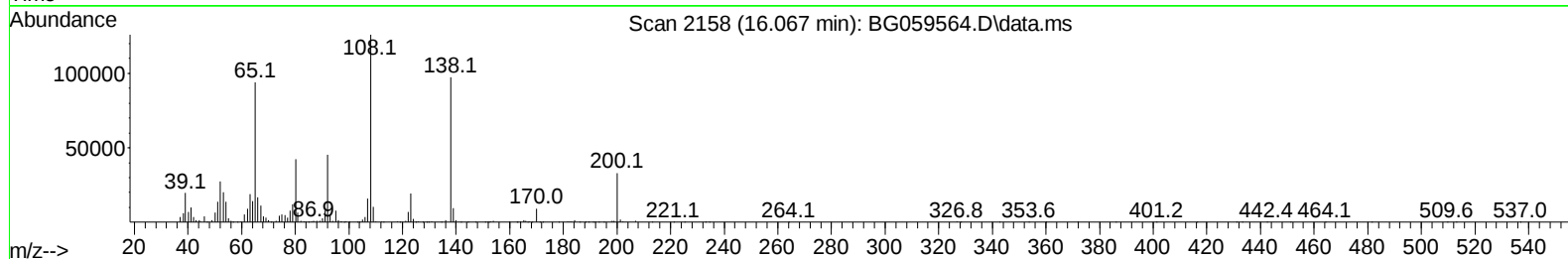
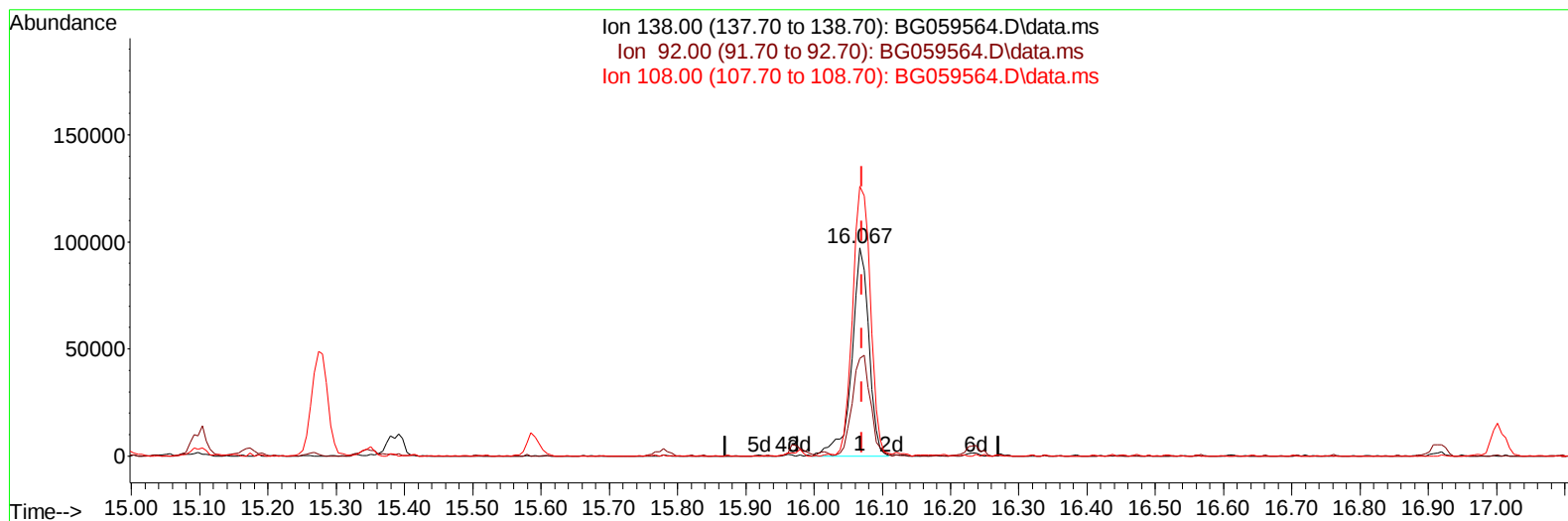
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS552

Manual IntegrationsAPPROVED

Quant Time: Nov 01 03:19:28 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 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

(63) 4-Nitroaniline

16.067min (-0.003) 33.80 ng/ul m

response 169164

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	62.30	46.74#
108.00	126.10	129.40
0.00	0.00	0.00

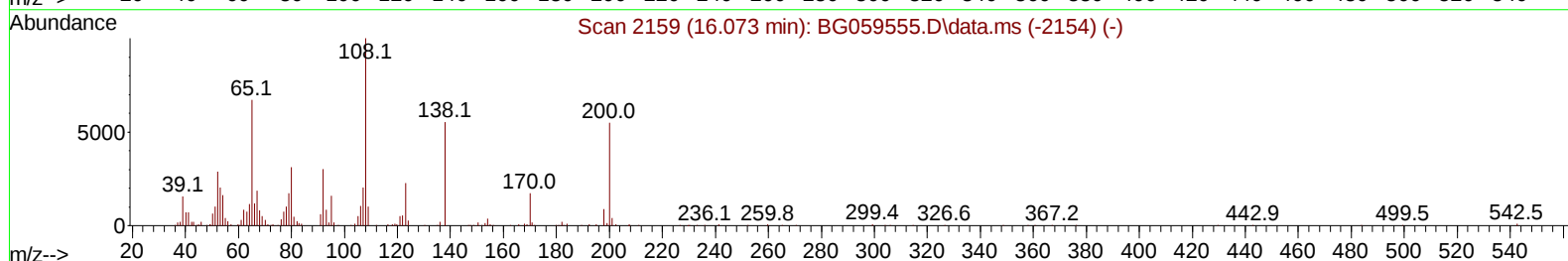
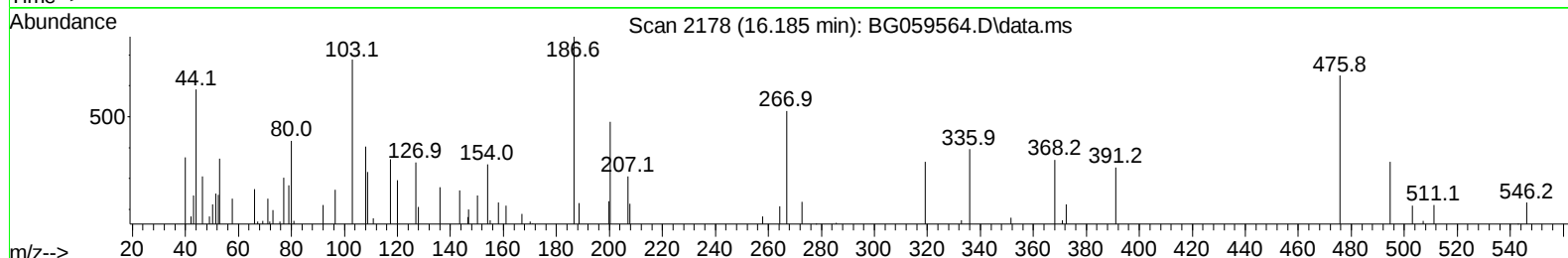
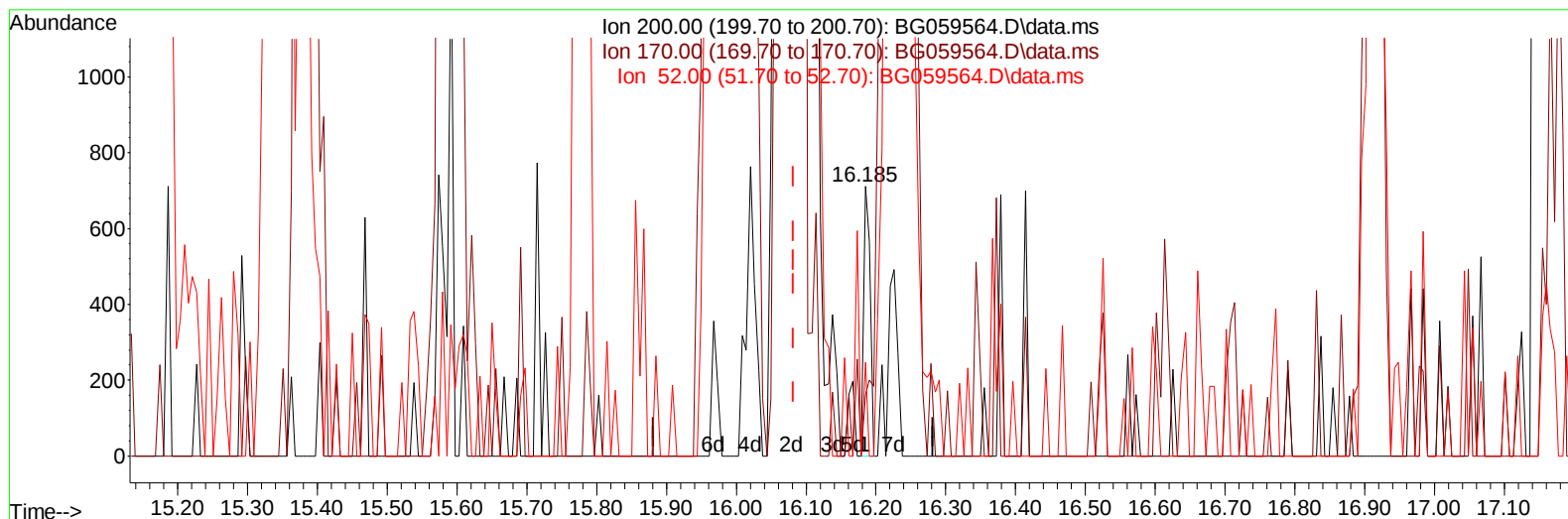
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS552

Manual IntegrationsAPPROVED

Quant Time: Nov 01 04:08:21 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 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

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

16.185min (+ 0.103) 0.16 ng/ul

response 450

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.90	22.78
52.00	40.40	34.74
0.00	0.00	0.00

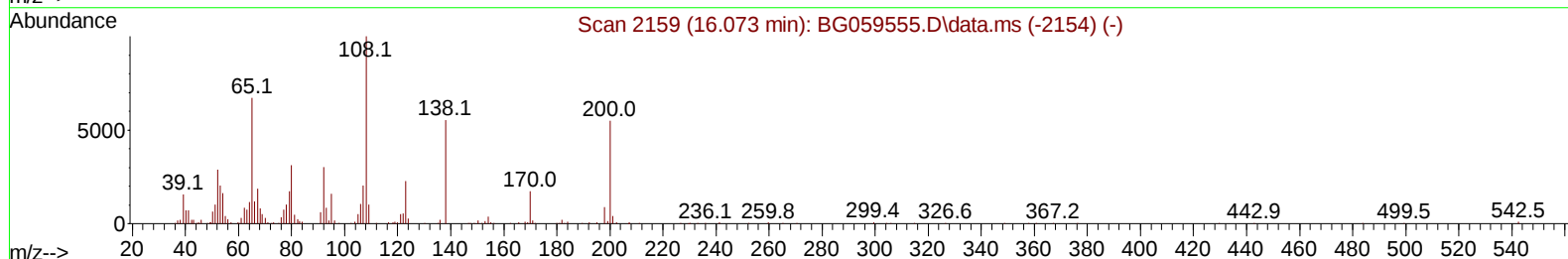
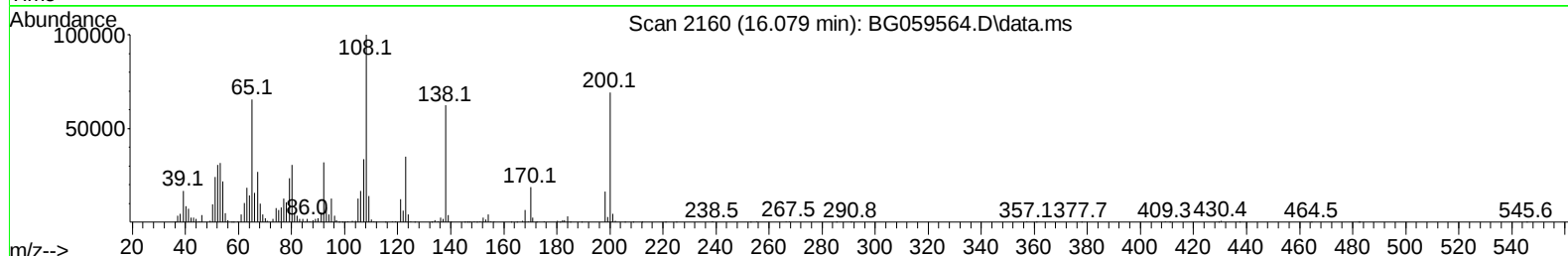
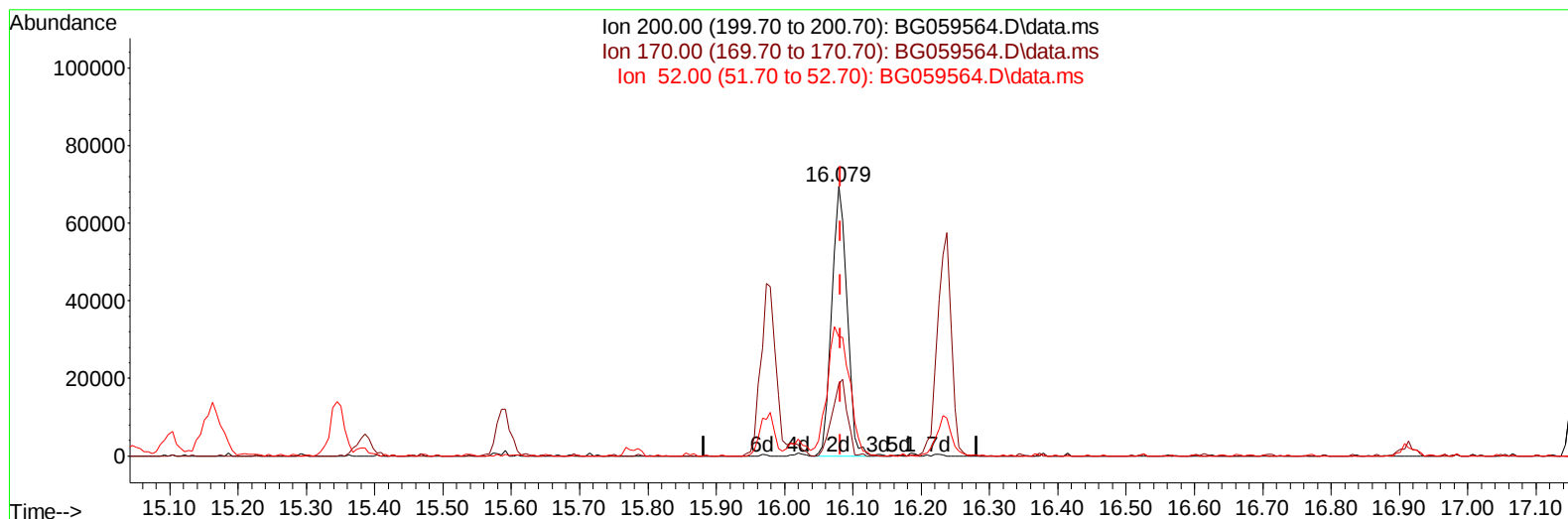
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS552

Manual IntegrationsAPPROVED

Quant Time: Nov 01 04:08:21 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 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

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

16.079min (-0.003) 38.79 ng/ul m

response 108144

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.90	26.88#
52.00	40.40	44.12
0.00	0.00	0.00

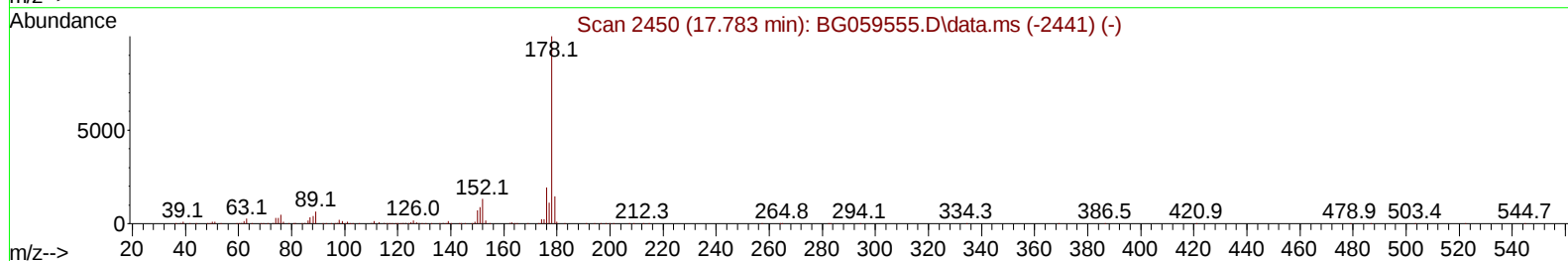
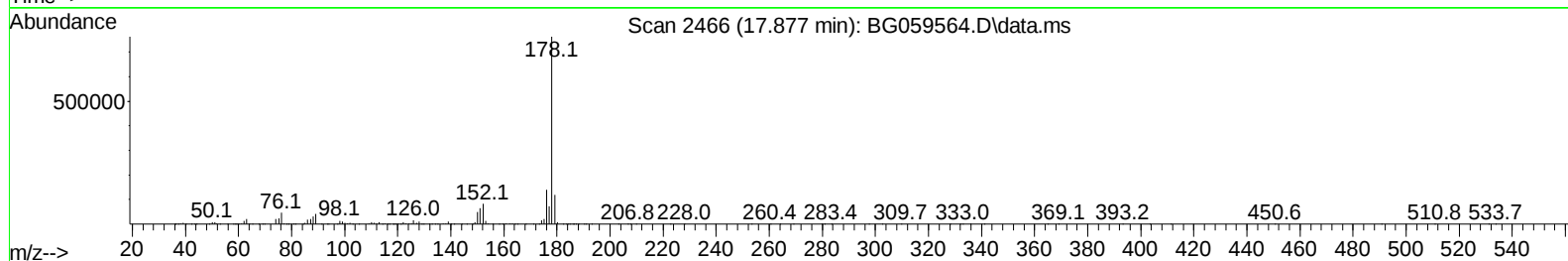
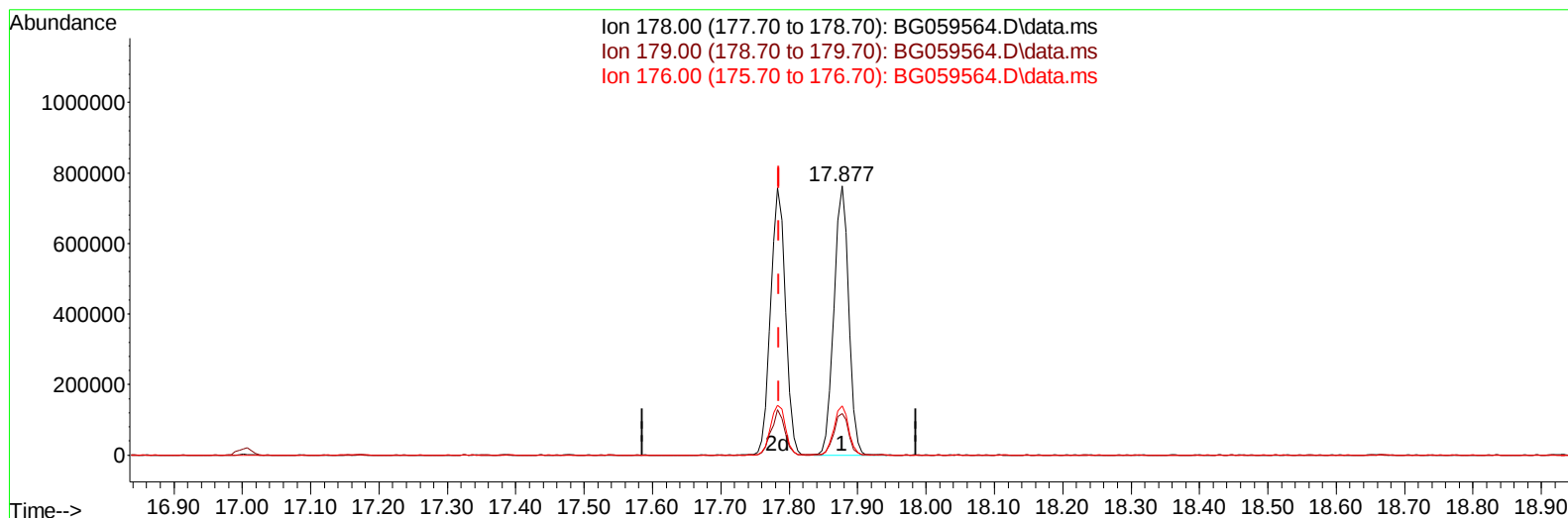
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
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 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

(72) Phenanthrene

17.877min (+ 0.091) 29.87 ng/ul

response 1142994

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.10	15.58
176.00	19.20	18.28
0.00	0.00	0.00

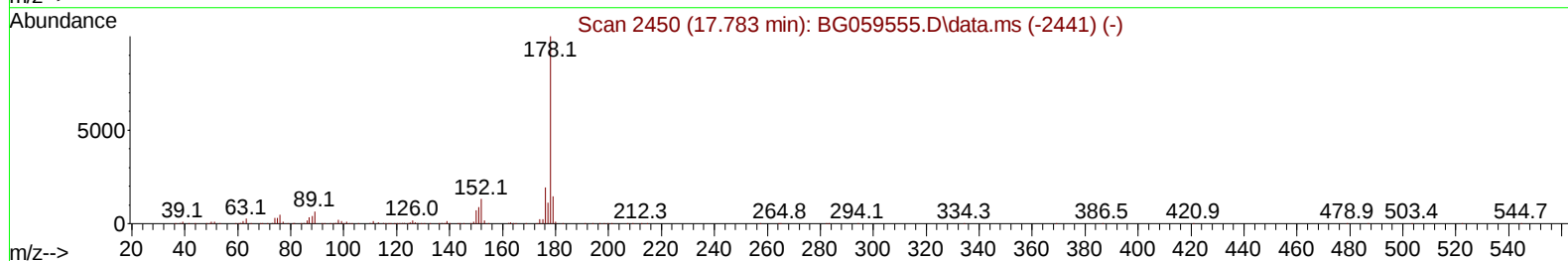
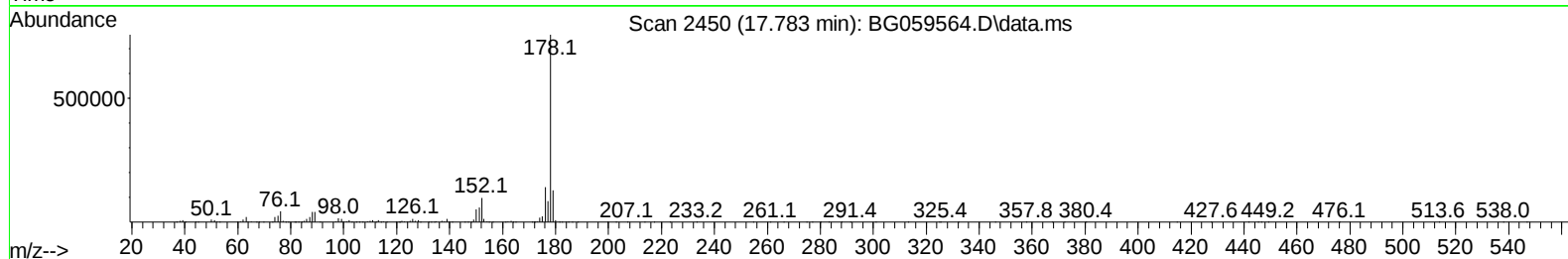
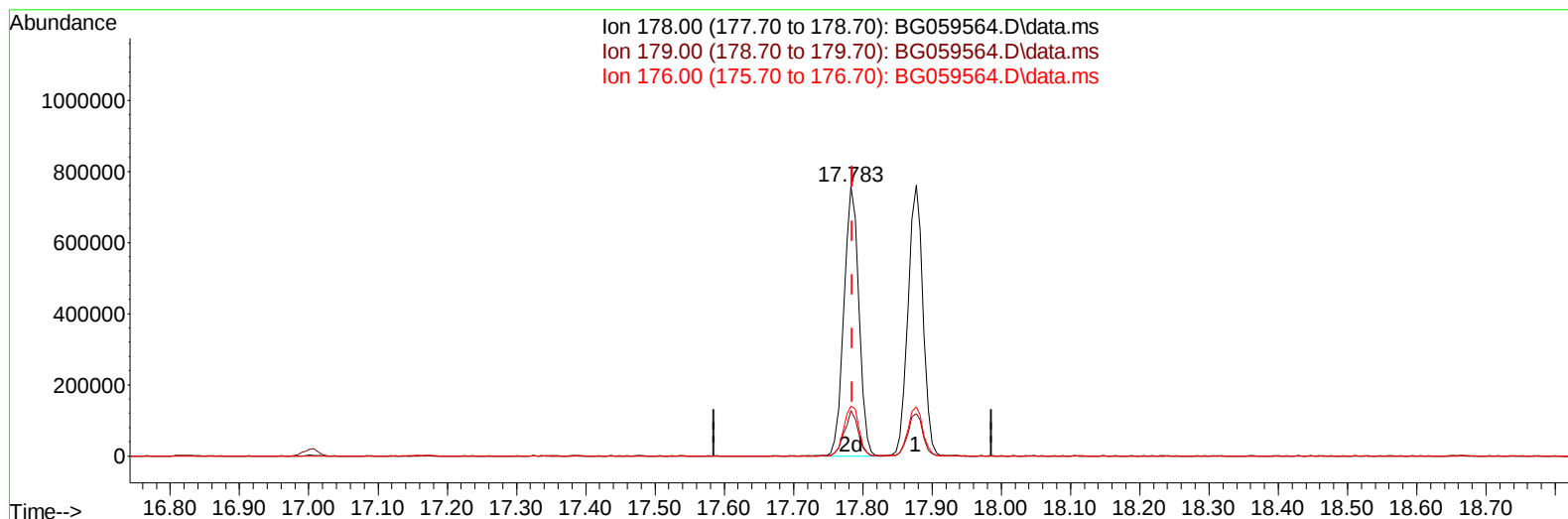
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS552

Manual IntegrationsAPPROVED

Quant Time: Nov 01 04:08:21 2023
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 Quant Title : SVOA CALIBRATION
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Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

(72) Phenanthrene

17.783min (-0.003) 29.58 ng/ul m

response 1132173

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.10	16.97#
176.00	19.20	18.65
0.00	0.00	0.00

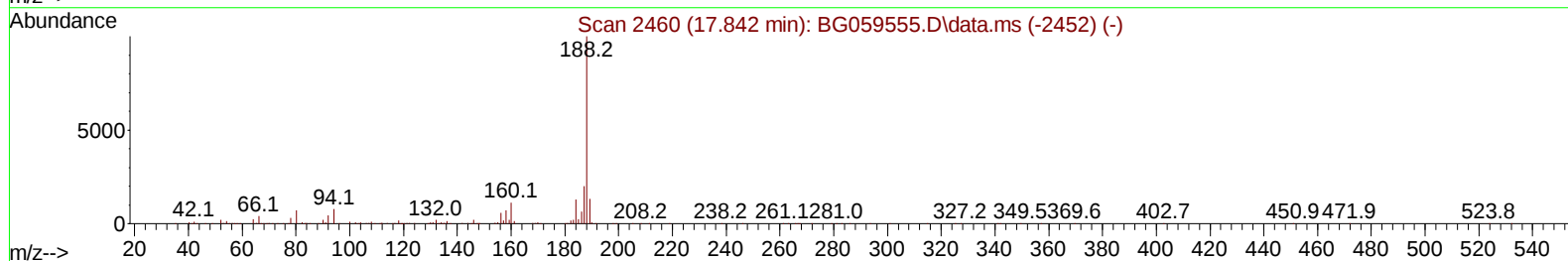
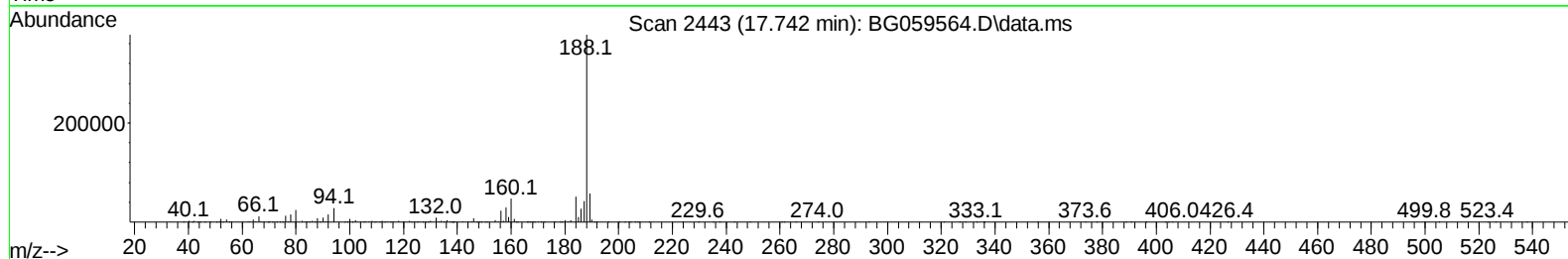
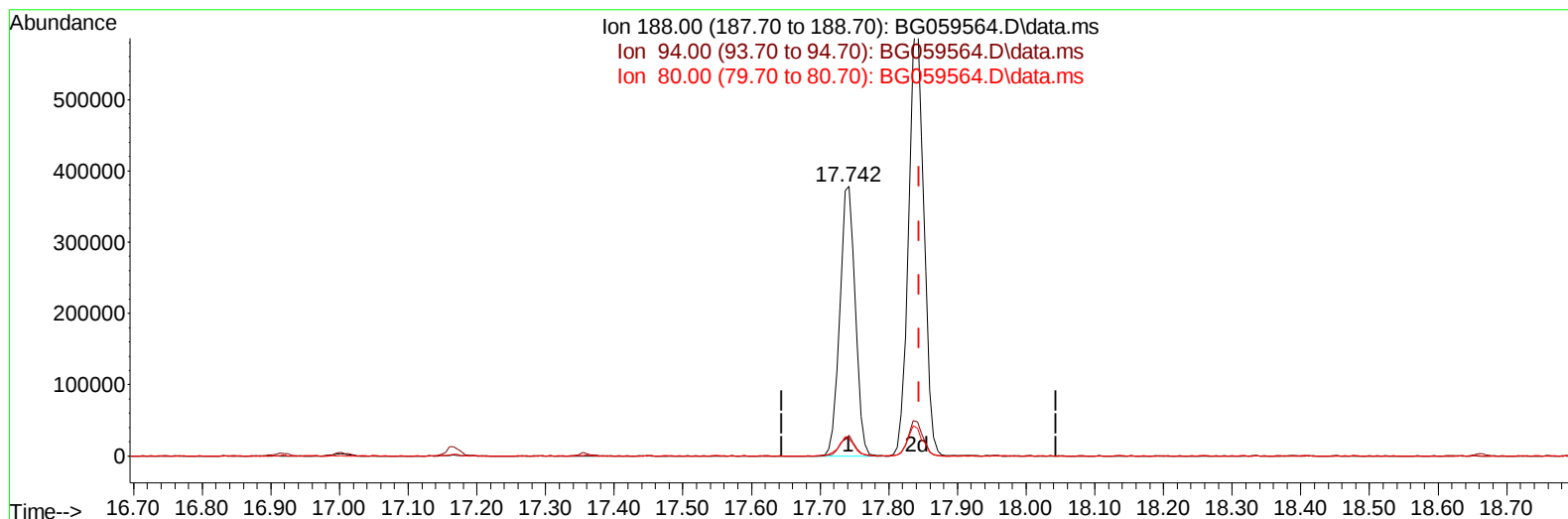
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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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TIC: BG059564.D\data.ms

(73) Anthracene-d10 (S)

17.742min (-0.102) 18.46 ng/u1

response 588707

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.80	7.65
80.00	8.00	6.44
0.00	0.00	0.00

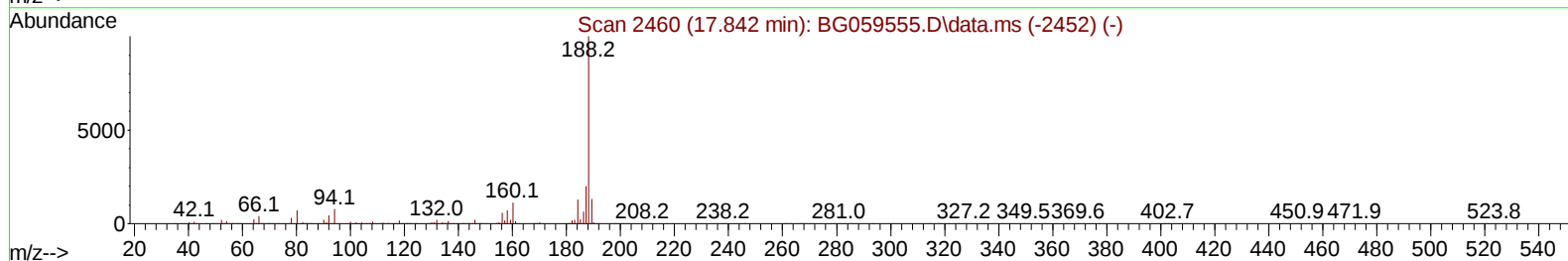
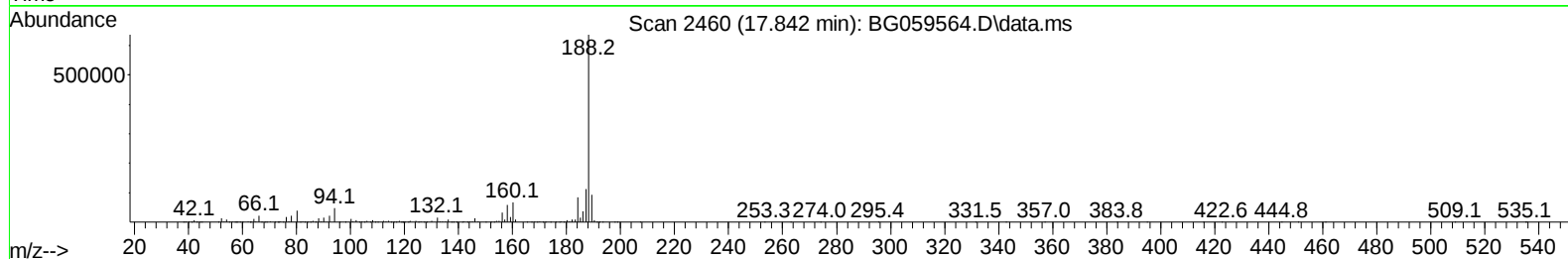
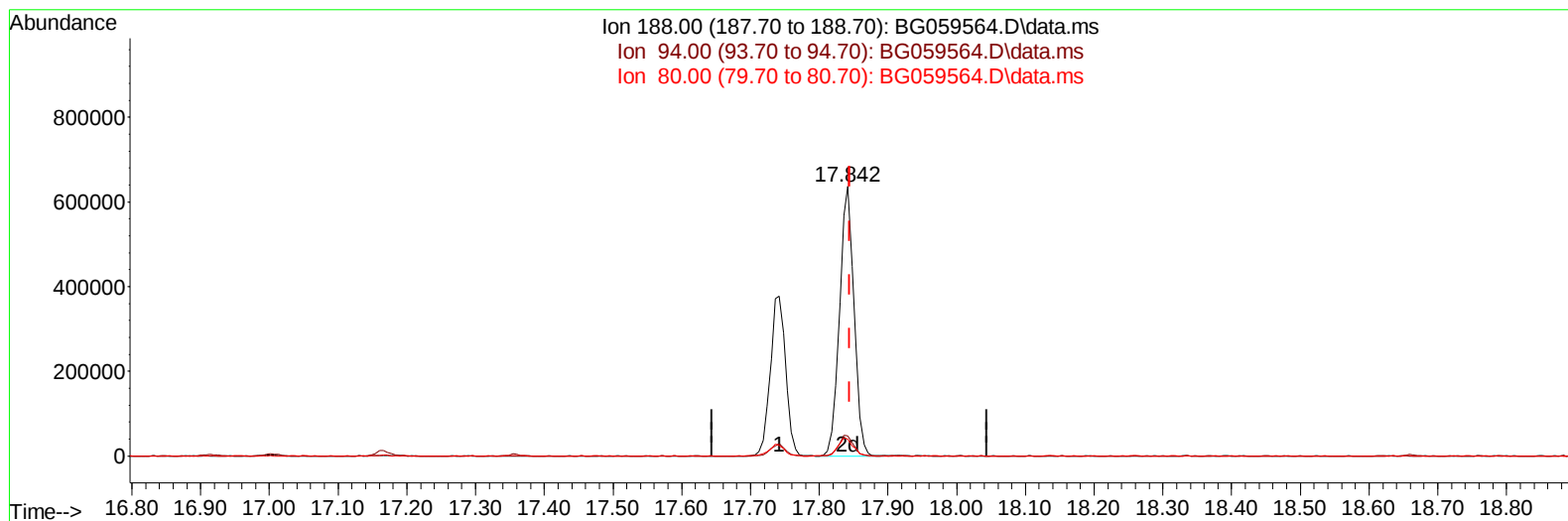
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
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 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

(73) Anthracene-d10 (S)

17.842min (-0.003) 29.19 ng/ul m

response 930940

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.80	7.56
80.00	8.00	6.18#
0.00	0.00	0.00

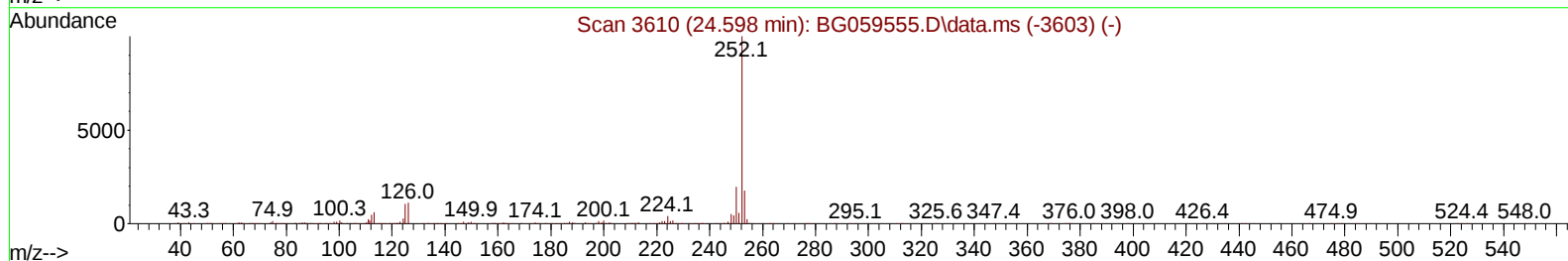
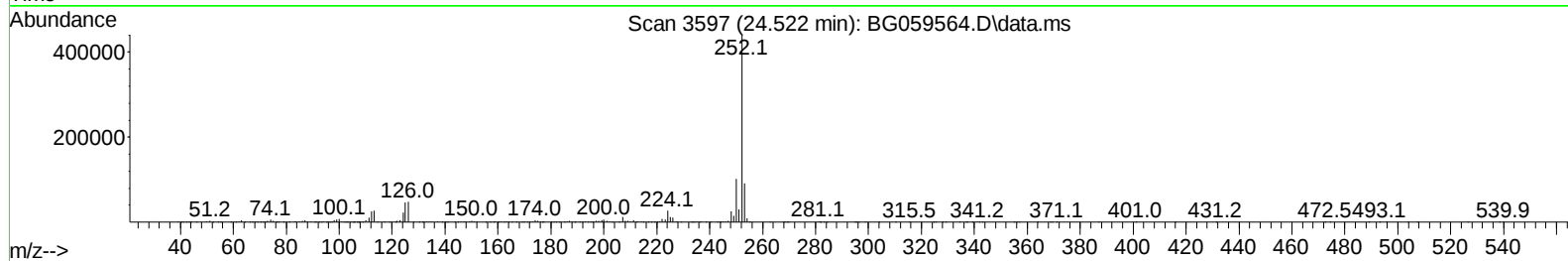
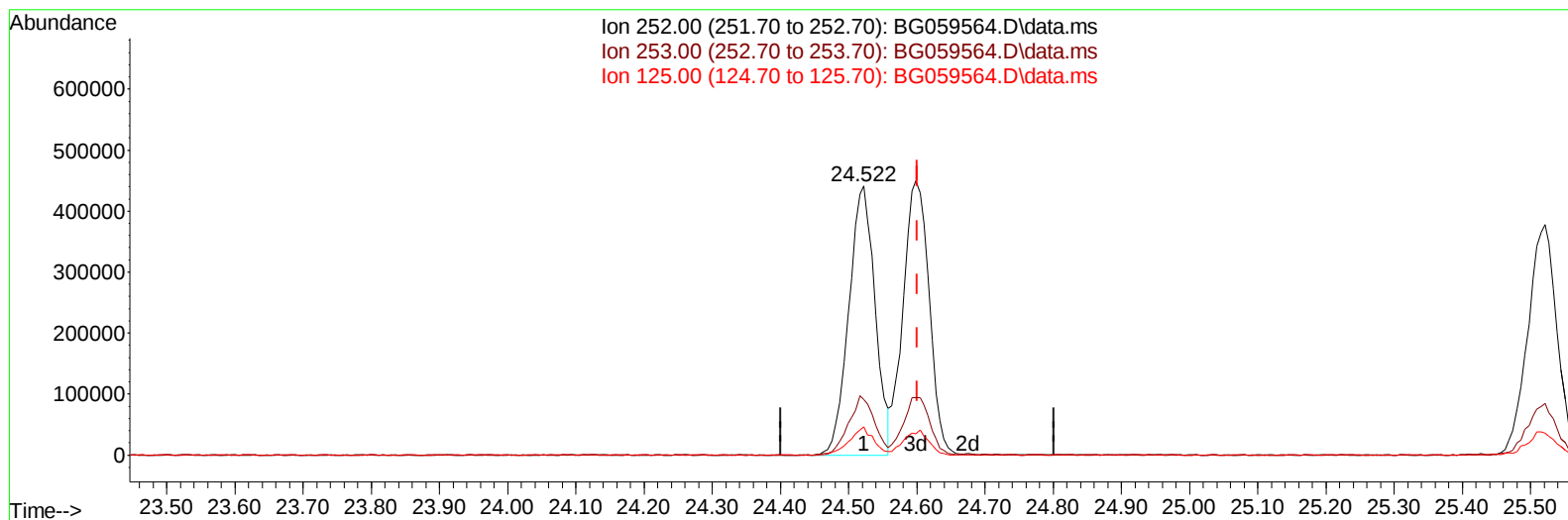
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
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 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

(91) Benzo(k)fluoranthene

24.522min (-0.079) 30.18 ng/u1

response 1181247

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.40	20.72
125.00	9.90	10.46
0.00	0.00	0.00

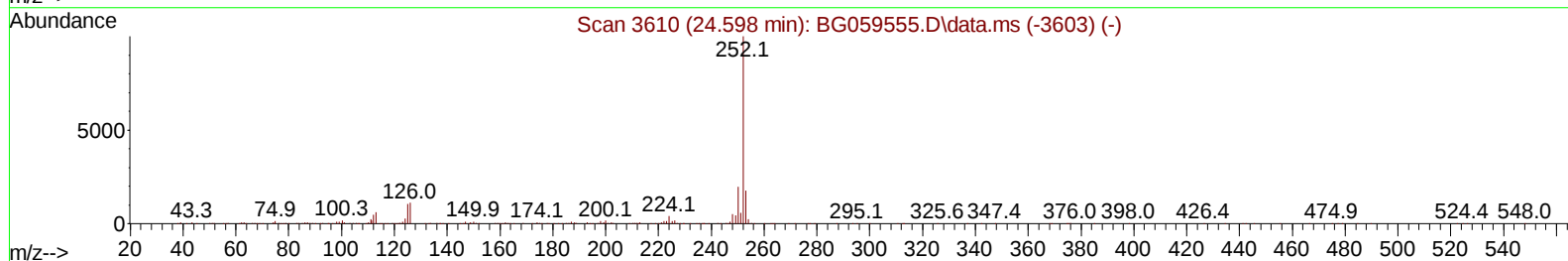
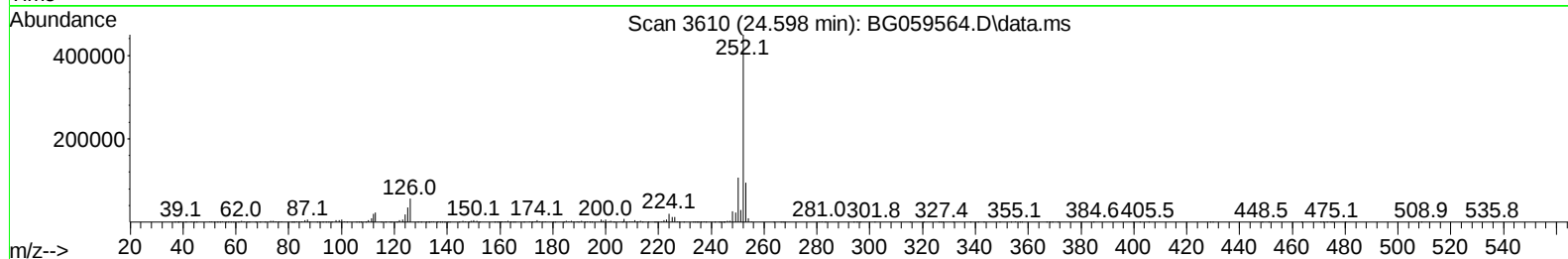
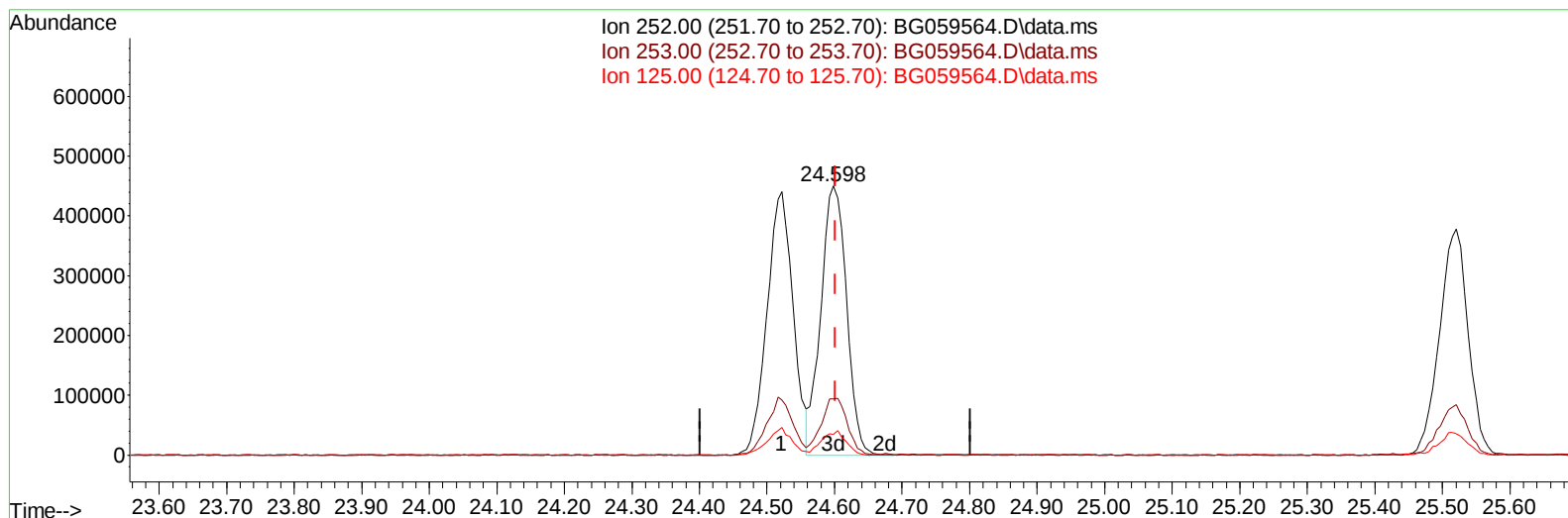
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS552

Manual IntegrationsAPPROVED

Quant Time: Nov 01 04:08:21 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 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

(91) Benzo(k)fluoranthene

24.598min (-0.003) 30.56 ng/ul m

response 1196202

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.40	20.97
125.00	9.90	7.73#
0.00	0.00	0.00

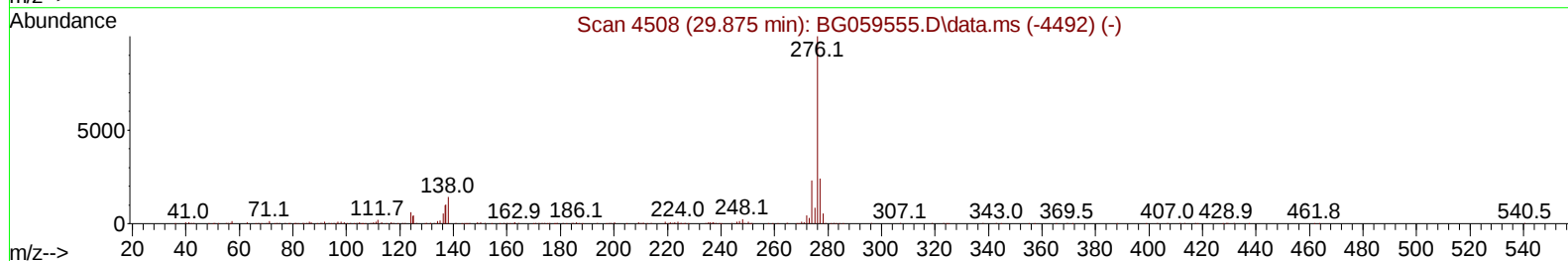
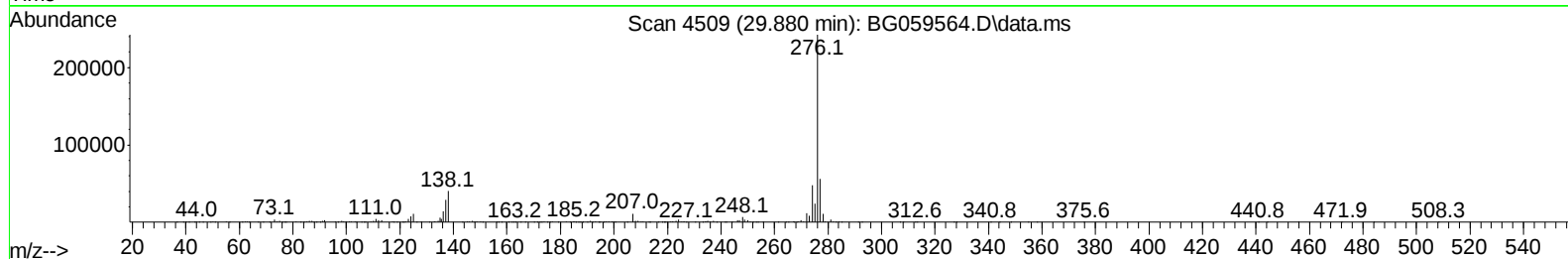
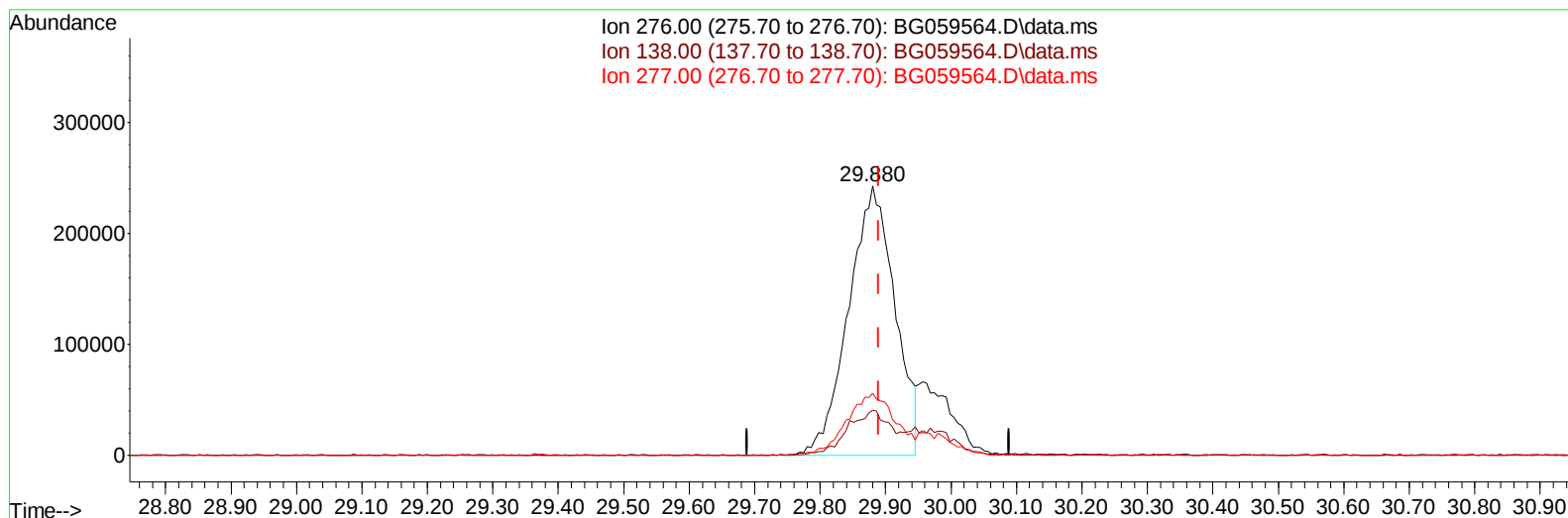
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
Data File : BG059564.D
Acq On : 31 Oct 2023 17:10
Operator : MA/JU
Sample : PB156552BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 11/02/2023



TIC: BG059564.D\data.ms

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

29.880min (-0.008) 25.33 ng/u1

response 1189337

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	16.55
277.00	20.50	23.11
0.00	0.00	0.00

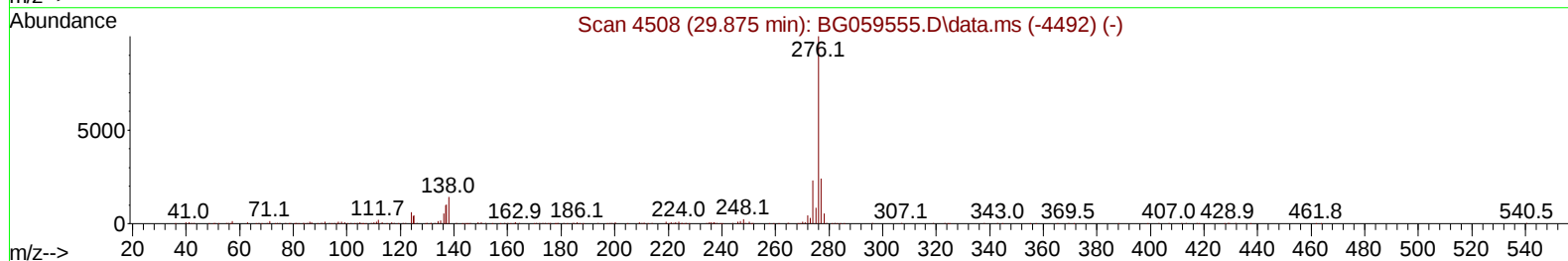
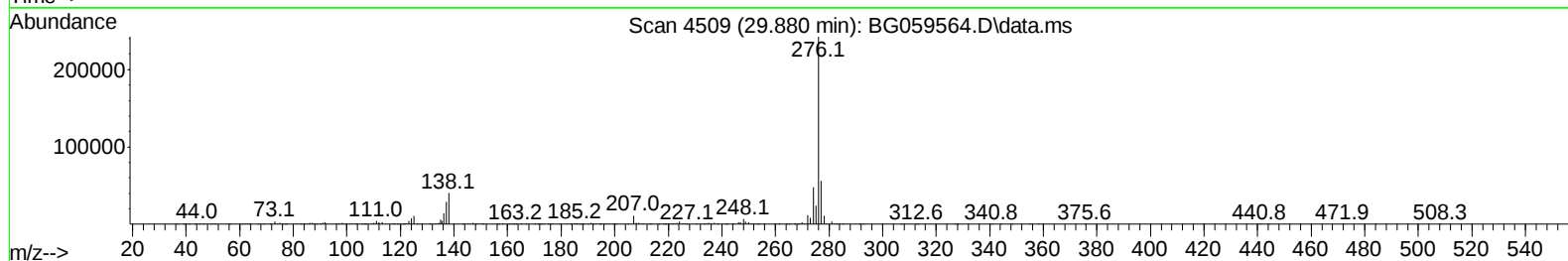
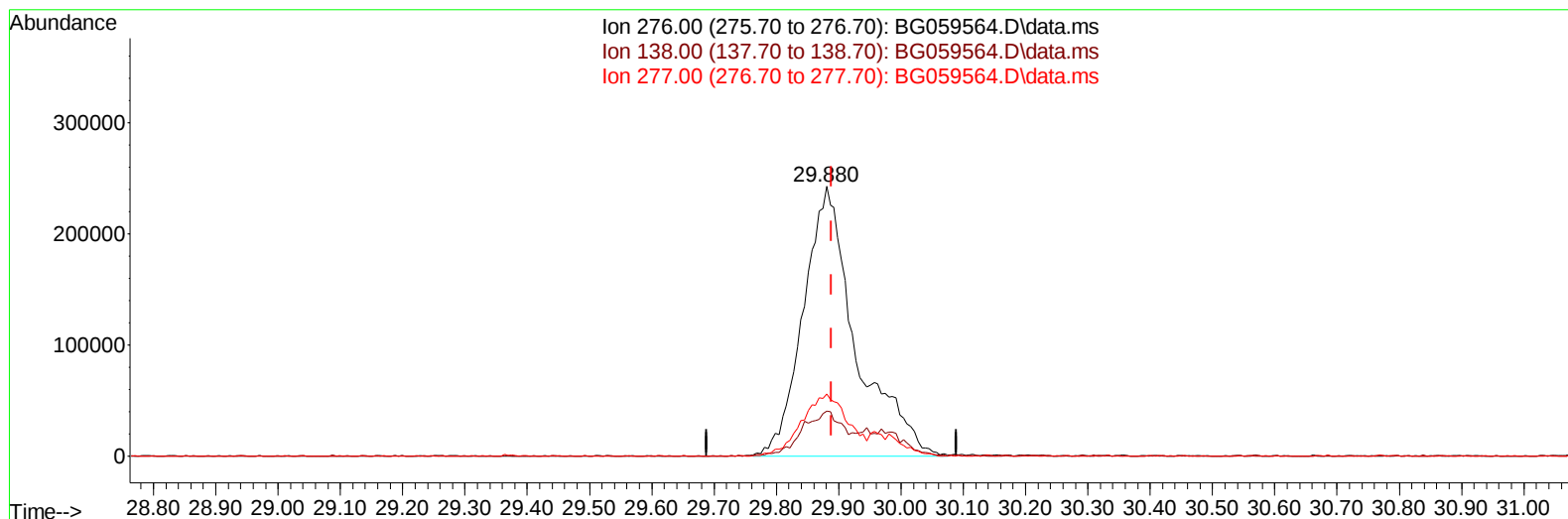
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059564.D
 Acq On : 31 Oct 2023 17:10
 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Nov 01 04:08:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
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TIC: BG059564.D\data.ms

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

29.880min (-0.008) 30.29 ng/ul m

response 1421980

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	16.55
277.00	20.50	23.11
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : PB156552BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS552

Manual IntegrationsAPPROVED

Quant Time: Nov 01 04:10:04 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 11/02/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.359	152	84530	20.000	ng/ul	0.00
20) Naphthalene-d8	11.208	136	437253	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.986	164	280234	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.742	188	588707	20.000	ng/ul	0.00
79) Chrysene-d12	22.078	240	479002	20.000	ng/ul	0.00
88) Perylene-d12	25.685	264	540613	20.000	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.647	96	10848	4.802	ng/uL	0.00
4) Pyridine-d5	4.087	84	156640	24.811	ng/ul	0.00
7) Phenol-d5	7.466	99	237285	27.317	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.671	67	106152	26.606	ng/ul	0.00
11) 2-Chlorophenol-d4	7.871	132	194749	27.636	ng/ul	0.00
15) 4-Methylphenol-d8	9.040	113	193407	28.065	ng/ul	0.00
21) Nitrobenzene-d5	9.557	128	96181	30.936	ng/ul	0.00
24) 2-Nitrophenol-d4	10.268	143	98894	30.985	ng/ul	-0.02
28) 2,4-Dichlorophenol-d3	10.797	165	225857	32.118	ng/ul	0.00
31) 4-Chloroaniline-d4	11.343	131	312526	26.998	ng/ul	0.00
46) Dimethylphthalate-d6	14.381	166	697094	27.457	ng/ul	0.00
49) Acenaphthylene-d8	14.692	160	808599	27.139	ng/ul	0.00
54) 4-Nitrophenol-d4	15.157	143	140565	32.286	ng/ul	0.00
60) Fluorene-d10	15.979	176	599447	27.628	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.079	200	108144m	38.790	ng/ul	0.00
73) Anthracene-d10	17.842	188	930940m	29.189	ng/ul	0.00
81) Pyrene-d10	20.110	212	997864	29.971	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.433	264	947206	29.754	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.688	88	24324	9.619	ng/uL#	92
5) Pyridine	4.105	79	148841	23.901	ng/ul	88
6) Benzaldehyde	7.501	77	104710	26.763	ng/ul	88
8) Phenol	7.495	94	234000	28.575	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.771	93	162342	27.033	ng/ul	98
12) 2-Chlorophenol	7.906	128	204929	29.333	ng/ul	90
13) 2-Methylphenol	8.776	108	193979	28.415	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.864	45	140215m	24.811	ng/ul	
16) Acetophenone	9.199	105	310061	28.542	ng/ul	94
17) N-Nitroso-di-n-propyla...	9.164	70	130183	25.433	ng/ul#	92
18) 4-Methylphenol	9.105	108	214925	29.590	ng/ul	87
19) Hexachloroethane	9.446	117	80683	29.078	ng/ul	93
22) Nitrobenzene	9.598	77	206288	30.740	ng/ul	97
23) Isophorone	10.110	82	402945	23.844	ng/ul#	93
25) 2-Nitrophenol	10.309	139	111887	32.595	ng/ul#	82
26) 2,4-Dimethylphenol	10.327	107	220090	24.377	ng/ul	89
27) Bis(2-Chloroethoxy)met...	10.597	93	222607	23.657	ng/ul	94
29) 2,4-Dichlorophenol	10.826	162	219071	32.201	ng/ul#	94
30) Naphthalene	11.261	128	801009	29.391	ng/ul	97
32) 4-Chloroaniline	11.373	127	282595	25.700	ng/ul	95
33) Hexachlorobutadiene	11.490	225	120985	29.644	ng/ul	99
34) Caprolactam	12.148	113	71777m	28.840	ng/ul	
35) 4-Chloro-3-methylphenol	12.442	107	267785	32.989	ng/ul	94

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Quant Time: Nov 01 04:10:04 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.836	142	561383	29.942	ng/ul	94
37) 1-Methylnaphthalene	13.053	142	551979	29.557	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.177	216	235283	29.109	ng/ul	98
40) Hexachlorocyclopentadiene	13.130	237	122732	26.048	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.417	196	170855	30.527	ng/ul	87
42) 2,4,5-Trichlorophenol	13.488	196	186805	30.830	ng/ul	99
43) 1,1'-Biphenyl	13.829	154	704355	27.784	ng/ul	98
44) 2-Chloronaphthalene	13.882	162	540347	27.424	ng/ul	96
45) 2-Nitroaniline	14.093	65	147357	40.194	ng/ul	92
47) Dimethylphthalate	14.434	163	691096	27.552	ng/ul#	96
48) 2,6-Dinitrotoluene	14.569	165	138722	36.662	ng/ul#	77
50) Acenaphthylene	14.722	152	969165	28.232	ng/ul	98
51) 3-Nitroaniline	14.904	138	161269	34.193	ng/ul#	85
52) Acenaphthene	15.051	153	624831	27.923	ng/ul	100
53) 2,4-Dinitrophenol	15.098	184	71574	33.291	ng/ul	88
55) 4-Nitrophenol	15.174	109	172908	36.037	ng/ul	95
56) Dibenzofuran	15.386	168	822759	28.360	ng/ul	93
57) 2,4-Dinitrotoluene	15.345	165	202425	38.032	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.591	232	150913	31.733	ng/ul	92
59) Diethylphthalate	15.779	149	784191	28.660	ng/ul	98
61) Fluorene	16.032	166	705980	28.189	ng/ul	93
62) 4-Chlorophenyl-phenyle...	16.014	204	307753	28.753	ng/ul	98
63) 4-Nitroaniline	16.067	138	169164m	33.797	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.091	198	110432	37.584	ng/ul#	76
67) N-Nitrosodiphenylamine	16.232	169	608275	30.239	ng/ul	99
68) 4-Bromophenyl-phenylether	16.913	248	180230	30.594	ng/ul	89
69) Hexachlorobenzene	17.001	284	212541	31.218	ng/ul	97
70) Atrazine	17.166	200	177980	28.553	ng/ul#	92
71) Pentachlorophenol	17.354	266	125165	32.180	ng/ul	97
72) Phenanthrene	17.783	178	1132173m	29.583	ng/ul	
74) Anthracene	17.877	178	1142994	29.578	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.782	216	233427	29.775	ng/uL	93
76) Pentachlorobenzene	15.274	250	214375	28.817	ng/uL	95
77) Carbazole	18.147	167	1066204	32.118	ng/ul	95
78) Di-n-butylphthalate	18.658	149	1340689	29.394	ng/ul	100
80) Fluoranthene	19.775	202	1252379	30.858	ng/ul	99
82) Pyrene	20.139	202	1278941	30.337	ng/ul	96
83) Butylbenzylphthalate	21.009	149	615336	32.320	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.966	252	397524	31.913	ng/ul#	90
85) Benzo(a)anthracene	22.054	228	1196201	30.346	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.902	149	890168	31.334	ng/ul	100
87) Chrysene	22.131	228	1102299	30.061	ng/ul	94
89) Di-n-octyl phthalate	23.253	149	1535835	32.448	ng/ul	100
90) Benzo(b)fluoranthene	24.522	252	1181247	30.143	ng/ul	97
91) Benzo(k)fluoranthene	24.598	252	1196202m	30.560	ng/ul	
93) Benzo(a)pyrene	25.521	252	1114489	30.090	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.880	276	1421980m	30.290	ng/ul	
95) Dibenzo(a,h)anthracene	29.963	278	1181972	30.484	ng/ul#	96
96) Benzo(g,h,i)perylene	31.214	276	1134283	29.521	ng/ul	97

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

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BNA_G

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