

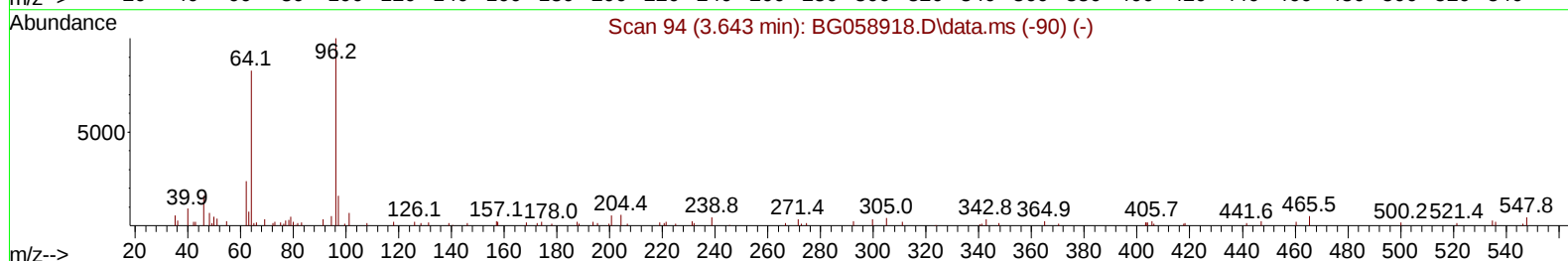
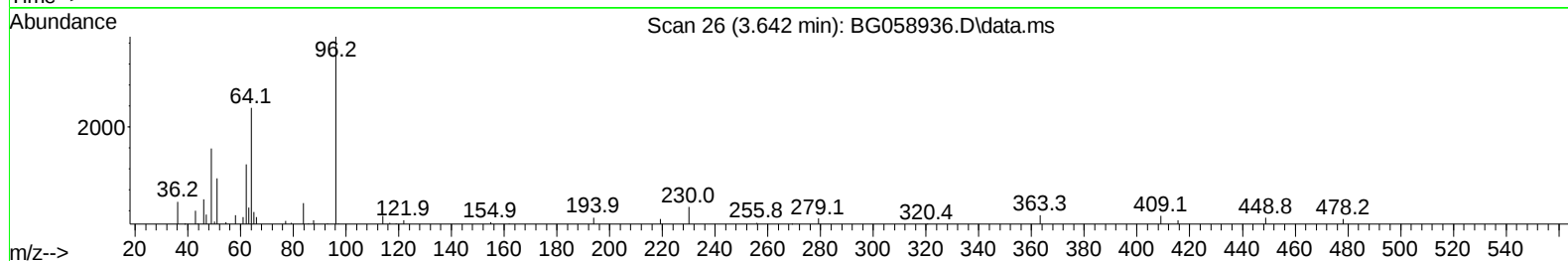
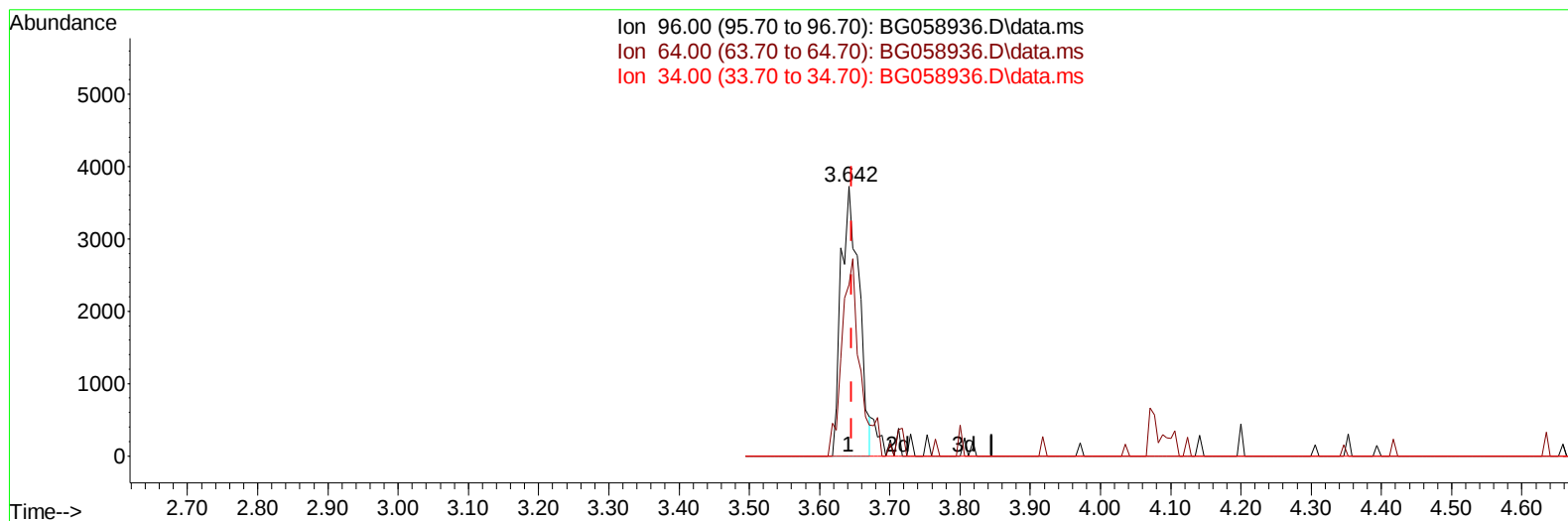
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058936.D
 Acq On : 9 Sep 2023 3:56
 Operator : MA/JU
 Sample : PB155275BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS275

Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:04:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 09 00:11:02 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/09/2023
 Supervised By :mohammad ahmed 09/10/2023



TIC: BG058936.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.642min (-0.004) 5.99 ng/uL

response 6657

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	54.20	63.47
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
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SLCS275

Manual IntegrationsAPPROVED

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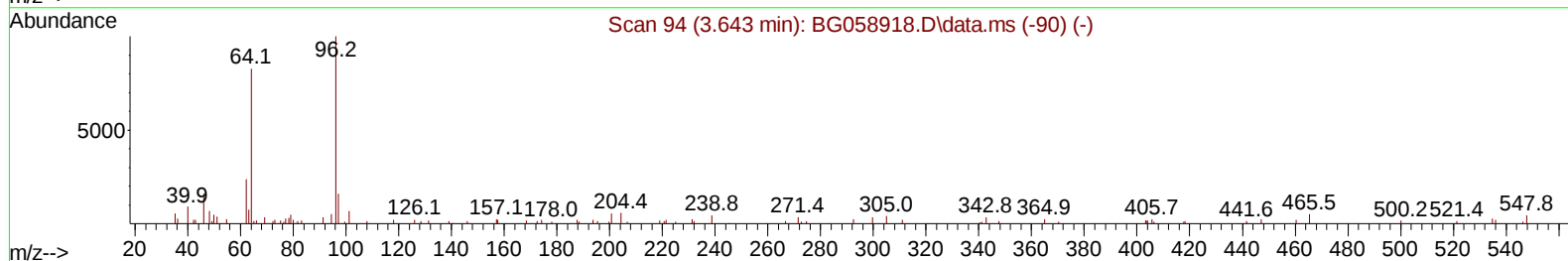
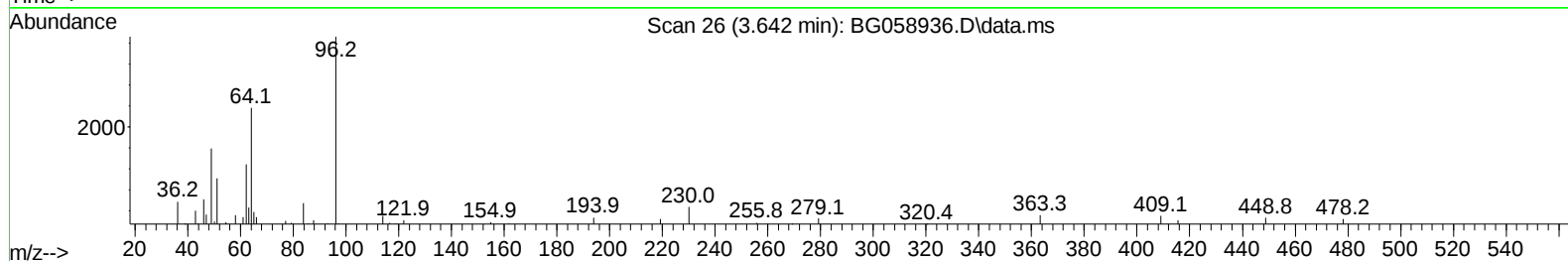
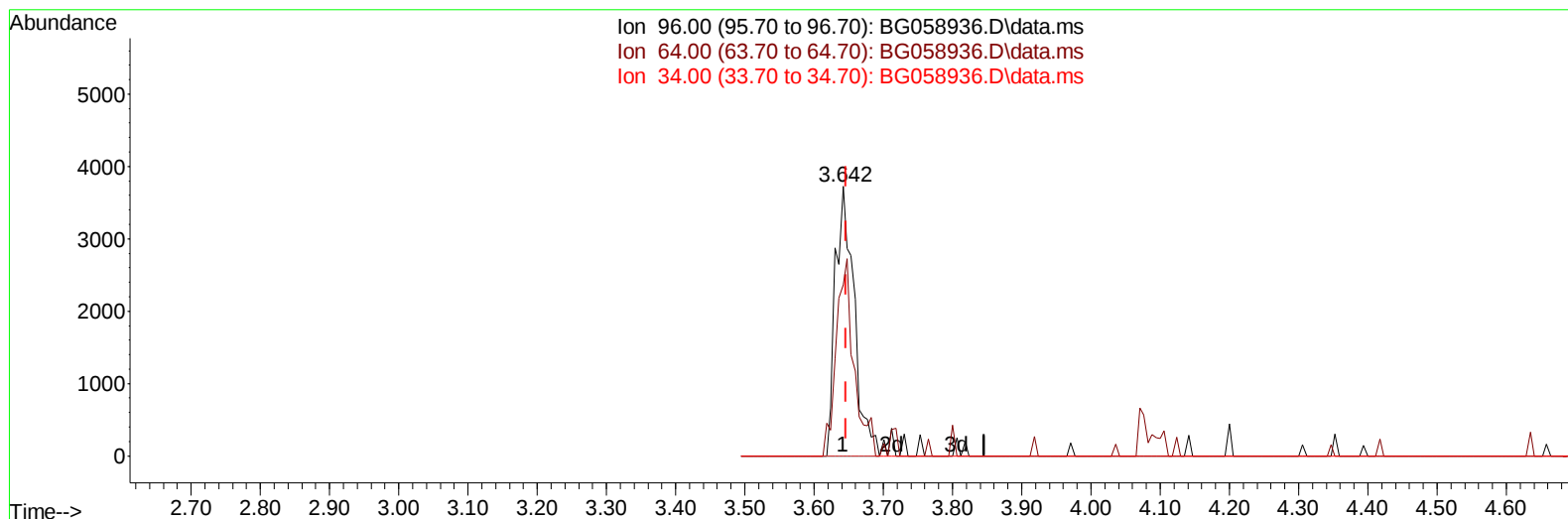
Quant Time: Sep 09 05:04:02 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090823.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Sep 09 00:11:02 2023

Response via : Initial Calibration



TIC: BG058936.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.642min (-0.004) 6.33 ng/uL m

response 7025

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	54.20	63.47
34.00	0.00	0.00
0.00	0.00	0.00

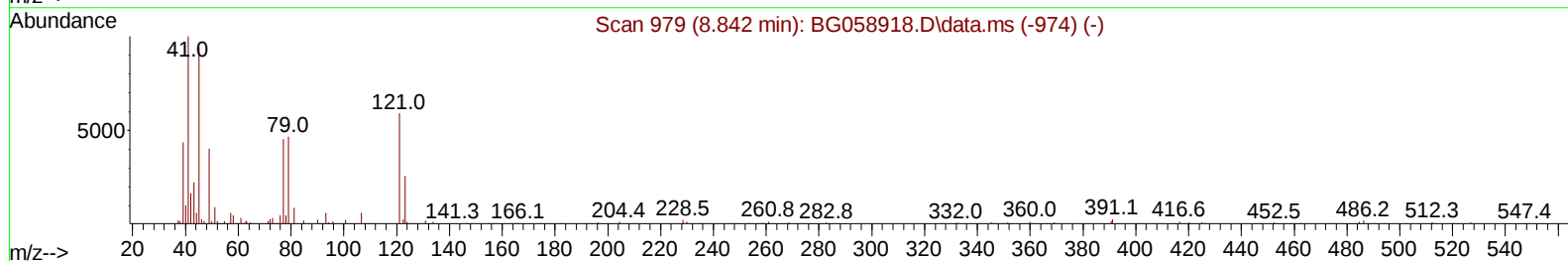
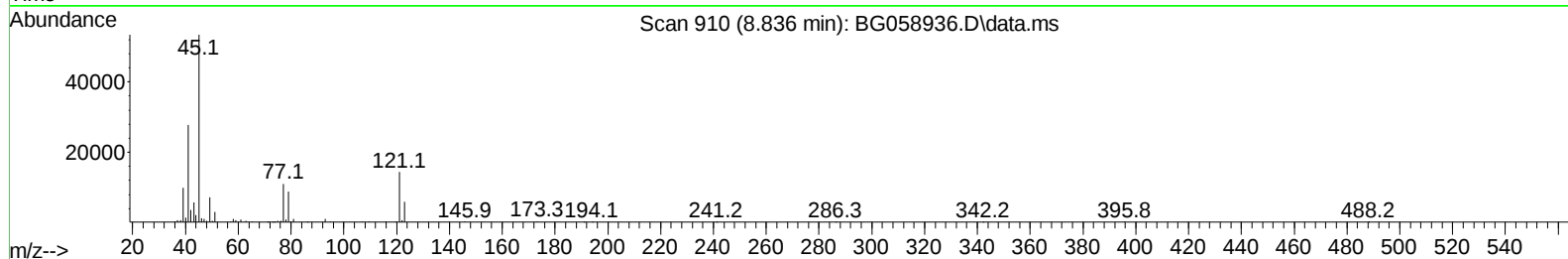
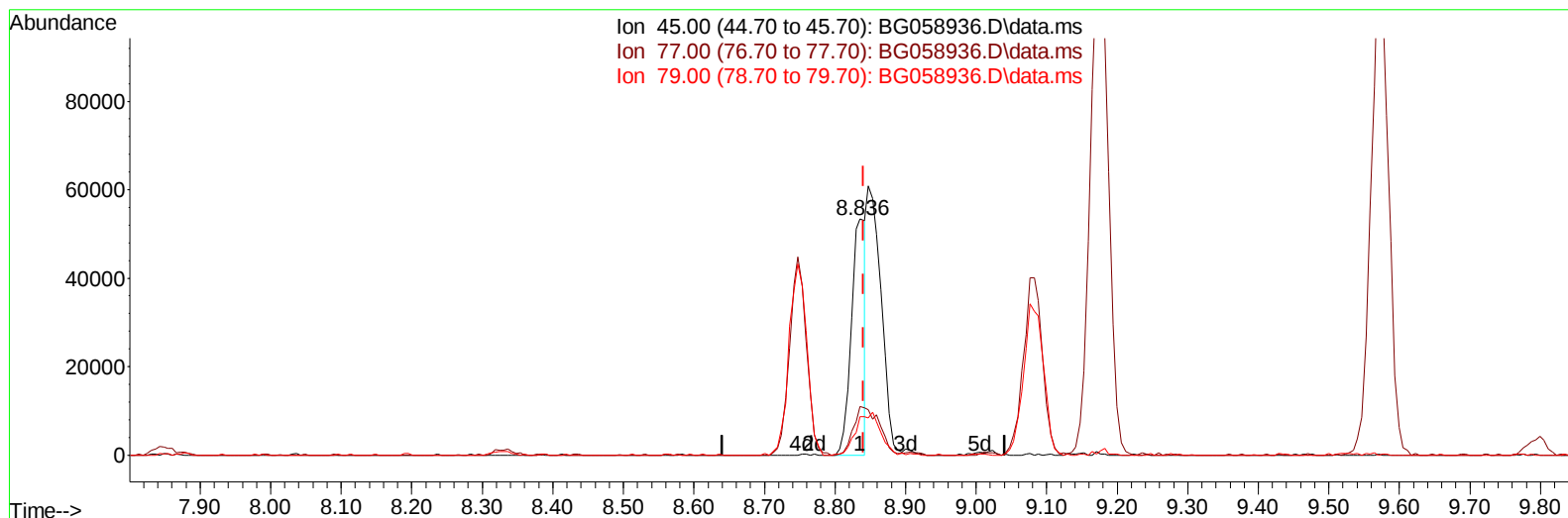
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058936.D
 Acq On : 9 Sep 2023 3:56
 Operator : MA/JU
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 Supervised By :mohammad ahmed 09/10/2023



TIC: BG058936.D\data.ms

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

8.836min (-0.005) 15.74 ng/u1

response 74014

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	22.30	20.58
79.00	14.90	16.79
0.00	0.00	0.00

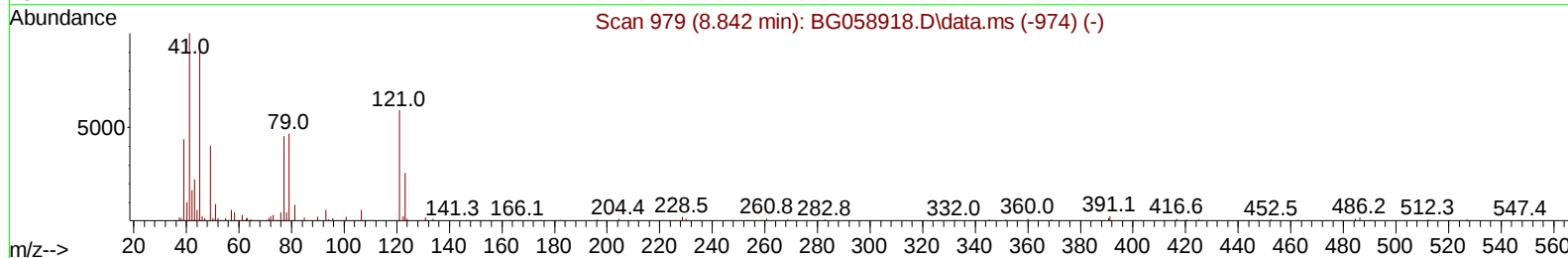
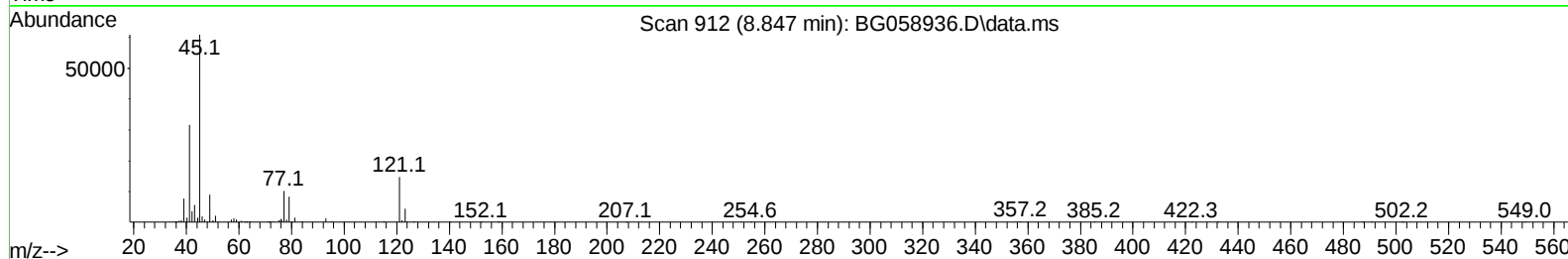
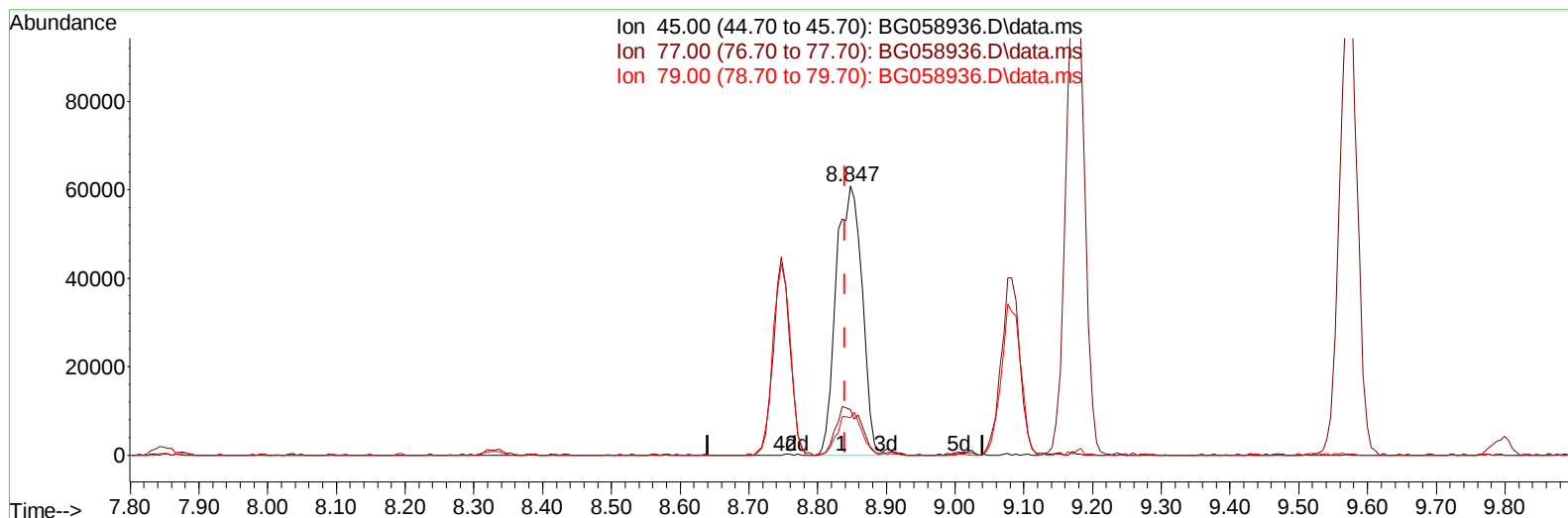
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
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 Acq On : 9 Sep 2023 3:56
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Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:04:02 2023
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 Supervised By :mohammad ahmed 09/10/2023



TIC: BG058936.D\data.ms

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

8.847min (+ 0.007) 33.90 ng/ul m

response 159422

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	22.30	16.96#
79.00	14.90	13.87
0.00	0.00	0.00

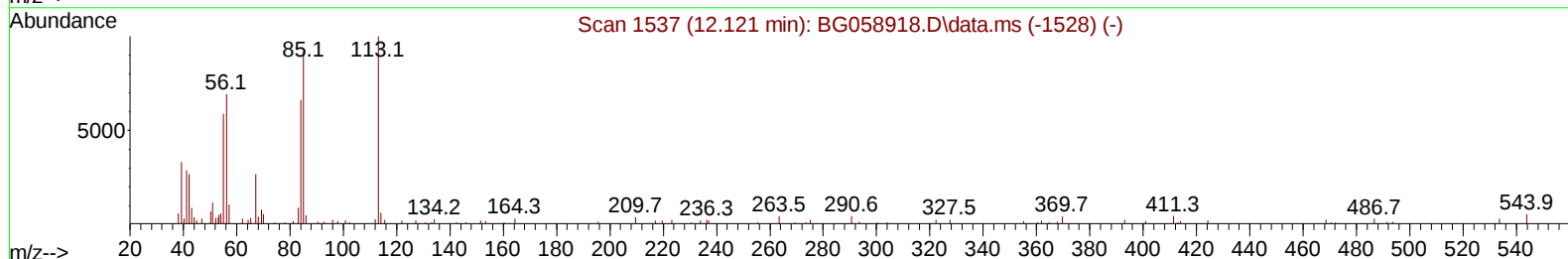
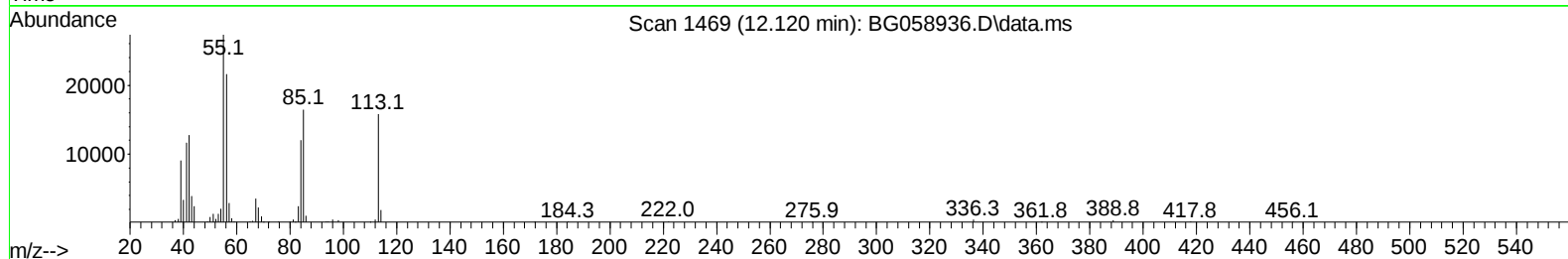
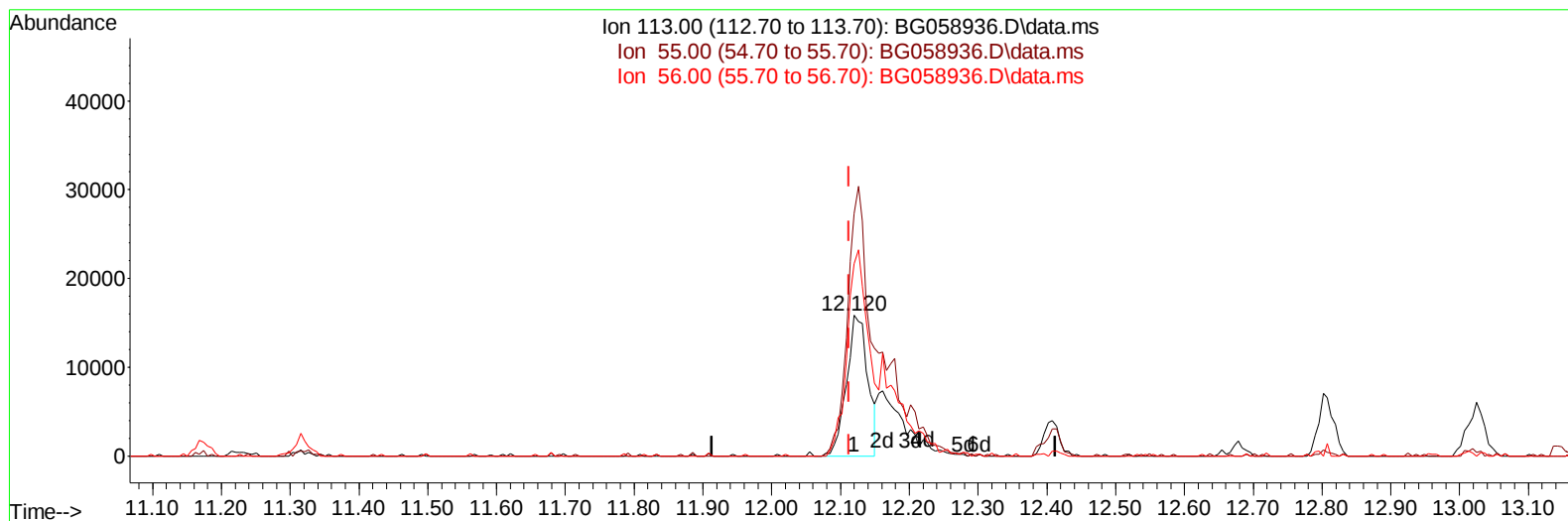
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058936.D
 Acq On : 9 Sep 2023 3:56
 Operator : MA/JU
 Sample : PB155275BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:04:02 2023
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 Supervised By :mohammad ahmed 09/10/2023



TIC: BG058936.D\data.ms

(34) Caprolactam

12.120min (+ 0.007) 25.46 ng/ul

response 34253

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	130.70	172.60#
56.00	123.50	136.83
0.00	0.00	0.00

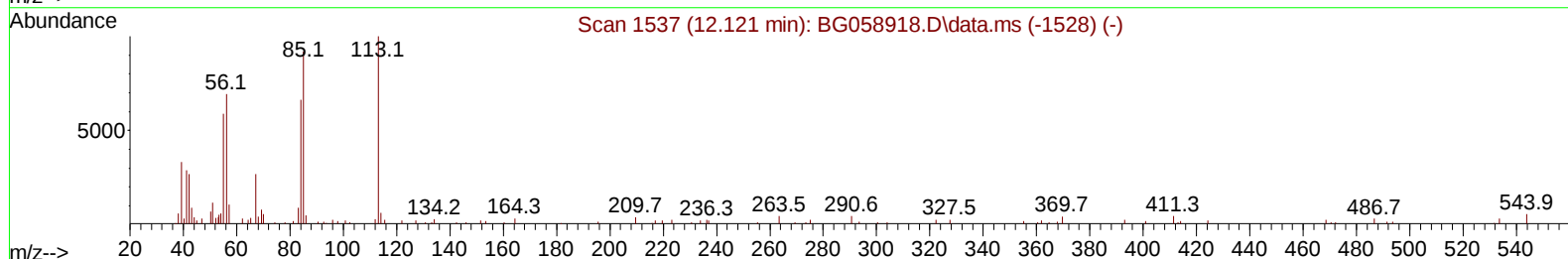
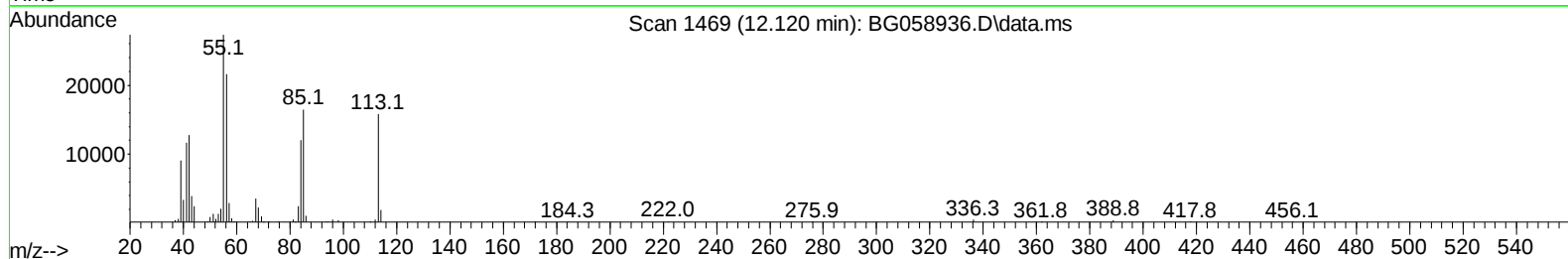
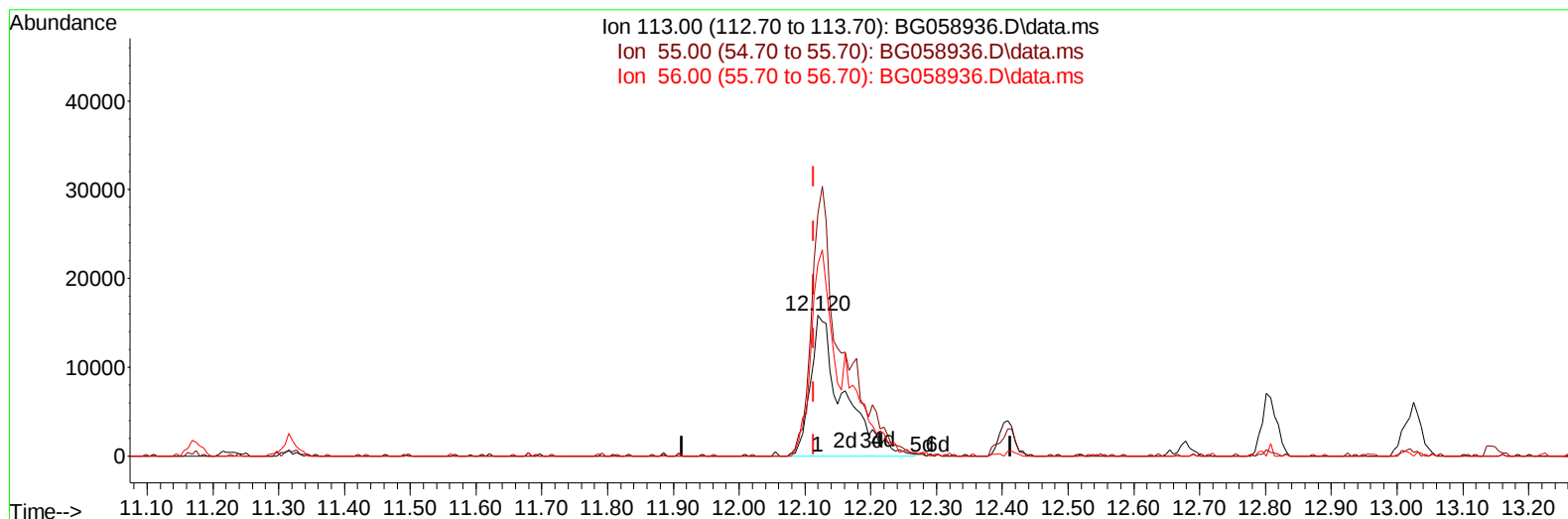
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058936.D
 Acq On : 9 Sep 2023 3:56
 Operator : MA/JU
 Sample : PB155275BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS275

Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:04:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 09 00:11:02 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/09/2023
 Supervised By :mohammad ahmed 09/10/2023



TIC: BG058936.D\data.ms

(34) Caprolactam

12.120min (+ 0.007) 40.13 ng/ul m

response 53987

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	130.70	172.60#
56.00	123.50	136.83
0.00	0.00	0.00

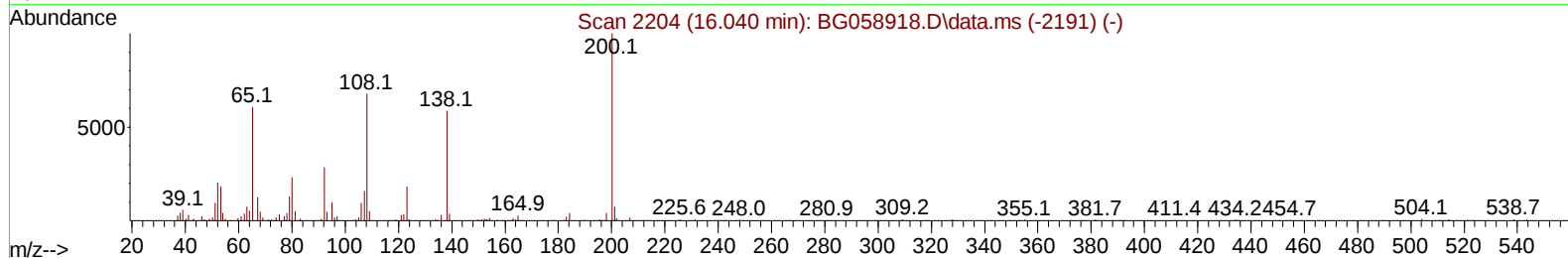
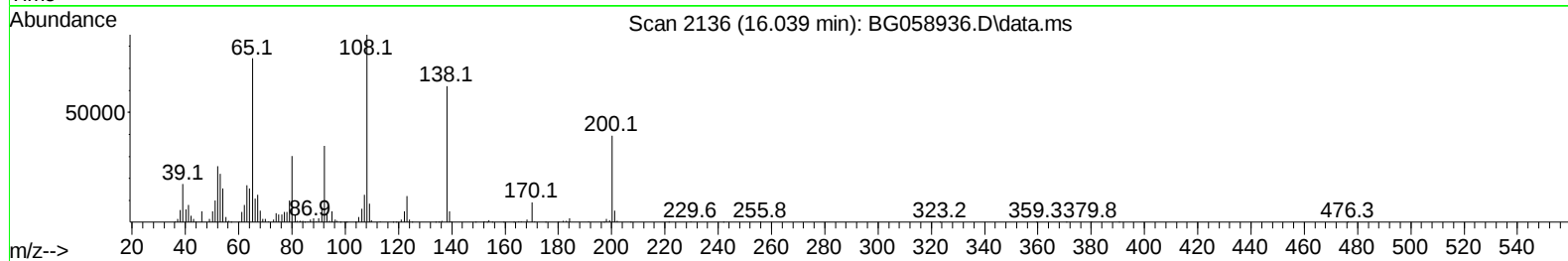
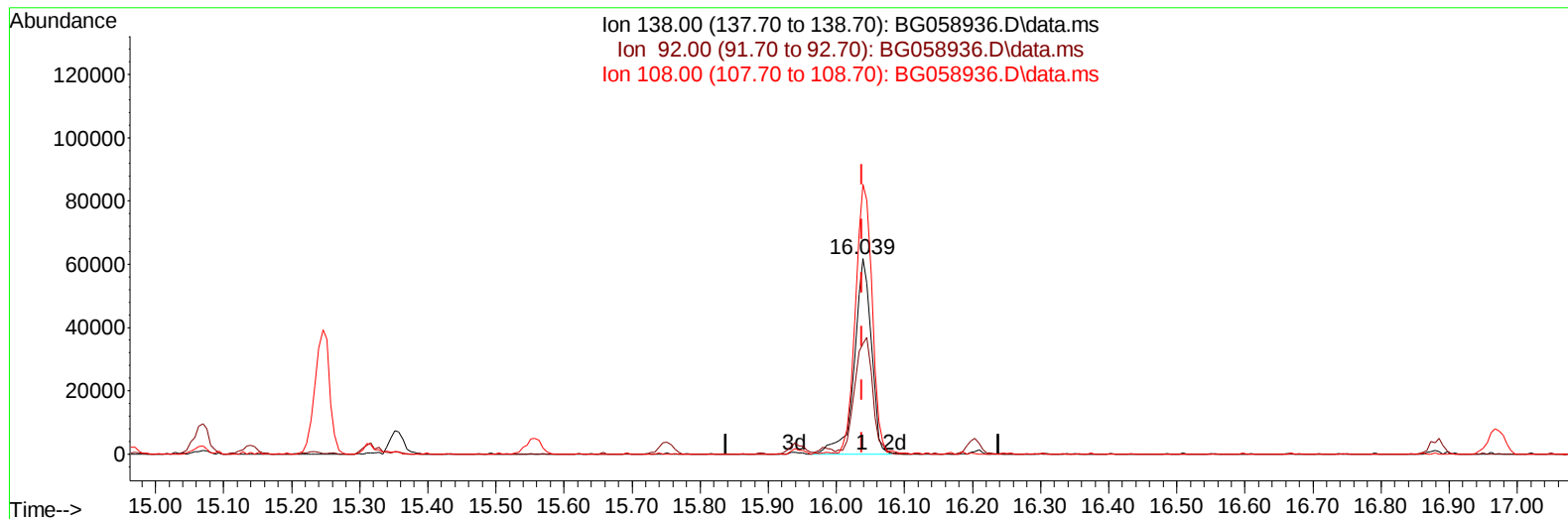
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058936.D
 Acq On : 9 Sep 2023 3:56
 Operator : MA/JU
 Sample : PB155275BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:04:47 2023
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Reviewed By :Yogesh Patel 09/09/2023
 Supervised By :mohammad ahmed 09/10/2023



TIC: BG058936.D\data.ms

(63) 4-Nitroaniline

16.039min (+ 0.001) 50.57 ng/ul

response 106858

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	60.20	56.44
108.00	120.80	138.01
0.00	0.00	0.00

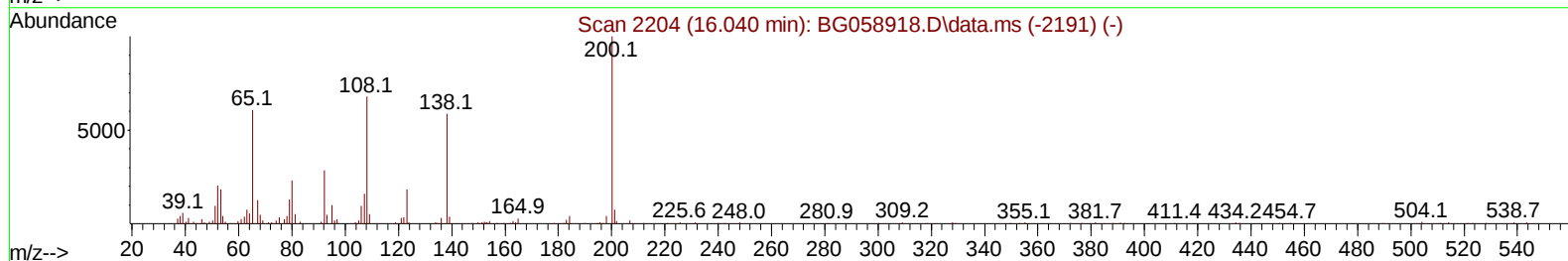
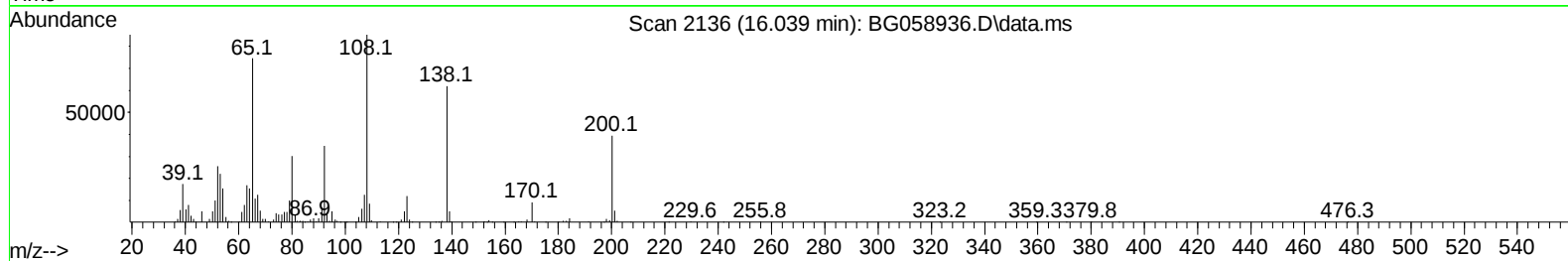
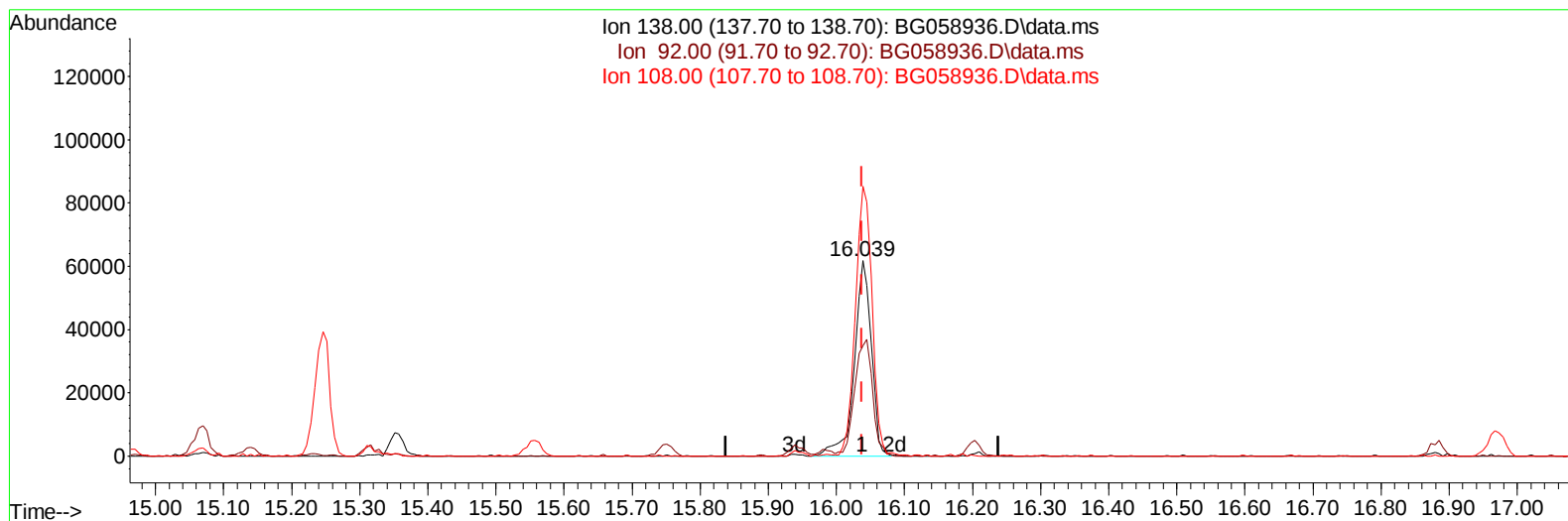
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058936.D
 Acq On : 9 Sep 2023 3:56
 Operator : MA/JU
 Sample : PB155275BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS275

Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:05:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 09 00:11:02 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/09/2023
 Supervised By :mohammad ahmed 09/10/2023



TIC: BG058936.D\data.ms

(63) 4-Nitroaniline

16.039min (+ 0.001) 50.57 ng/ul

response 106858

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	60.20	56.44
108.00	120.80	138.01
0.00	0.00	0.00

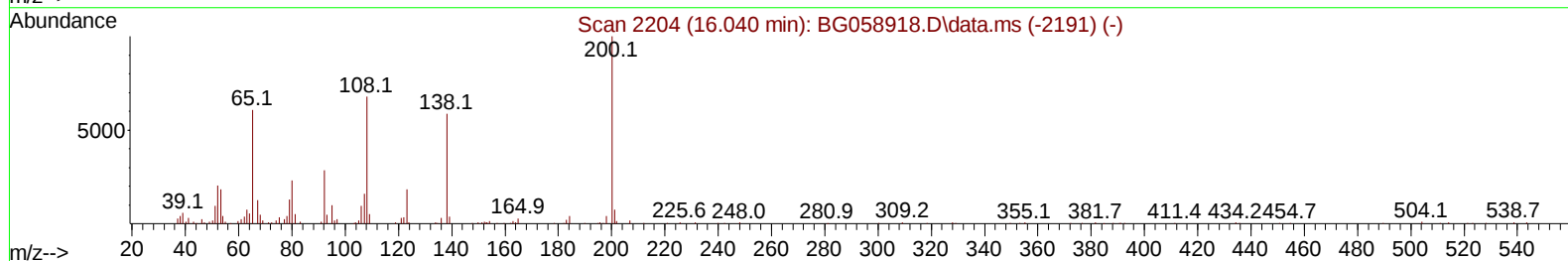
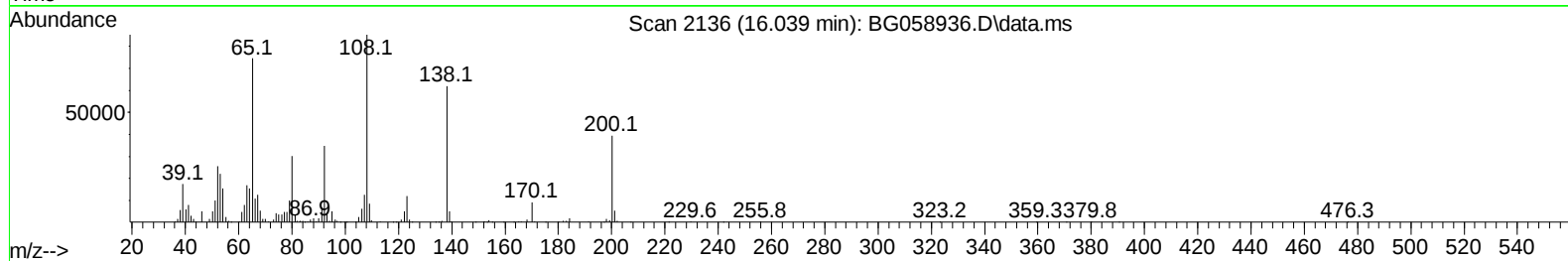
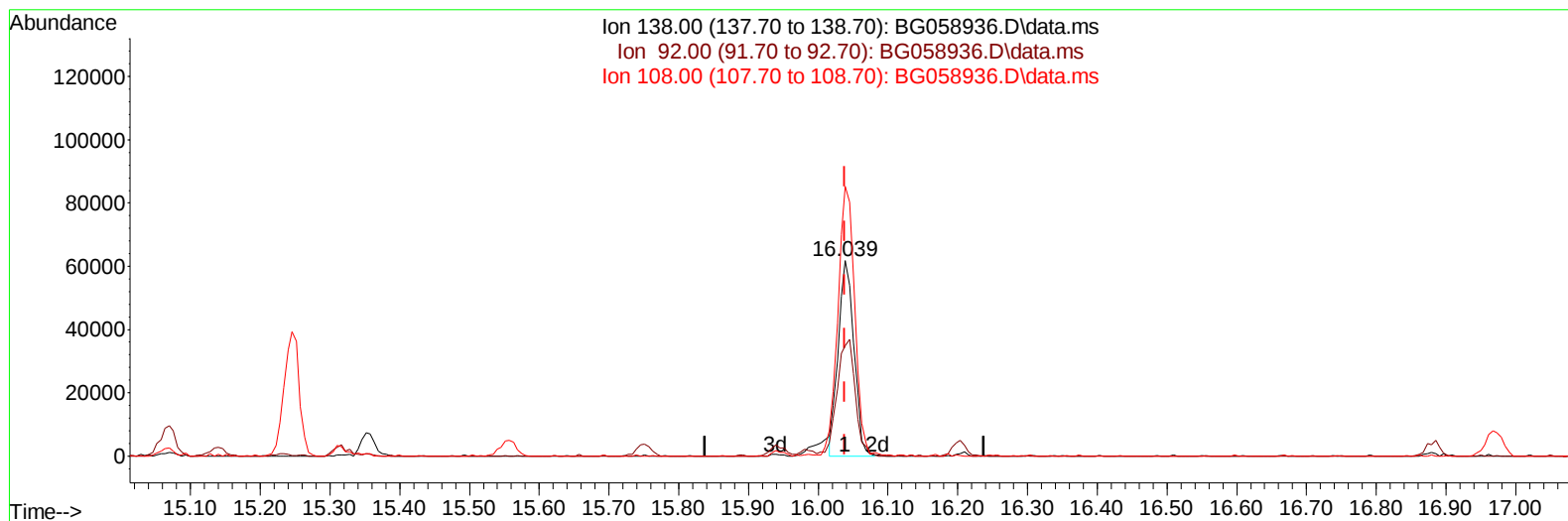
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058936.D
 Acq On : 9 Sep 2023 3:56
 Operator : MA/JU
 Sample : PB155275BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS275

Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:05:13 2023
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 Supervised By :mohammad ahmed 09/10/2023



TIC: BG058936.D\data.ms

(63) 4-Nitroaniline

16.039min (+ 0.001) 46.05 ng/ul m

response 97294

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	60.20	56.44
108.00	120.80	138.01
0.00	0.00	0.00

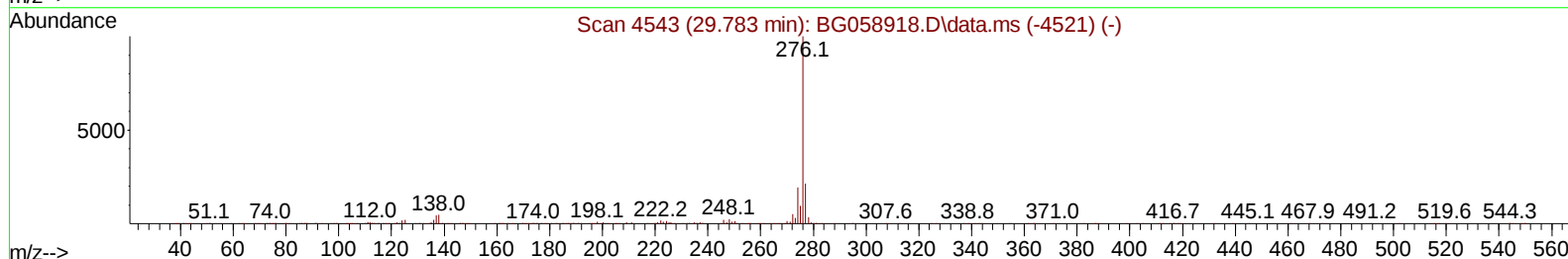
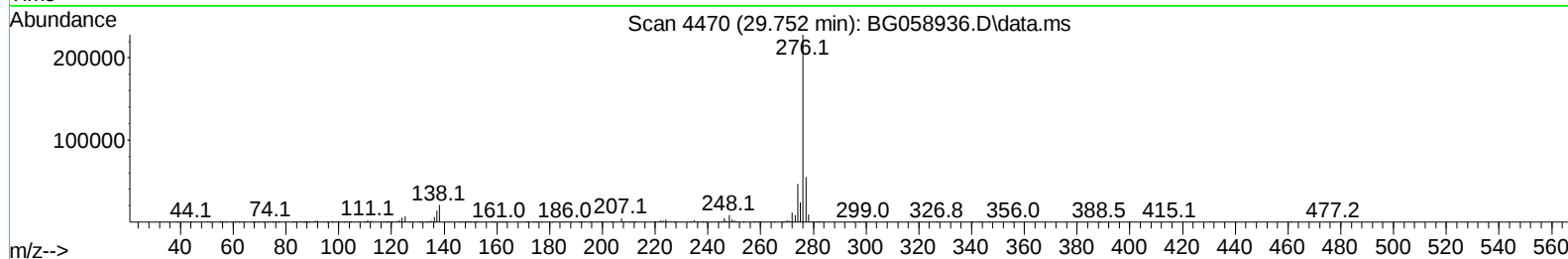
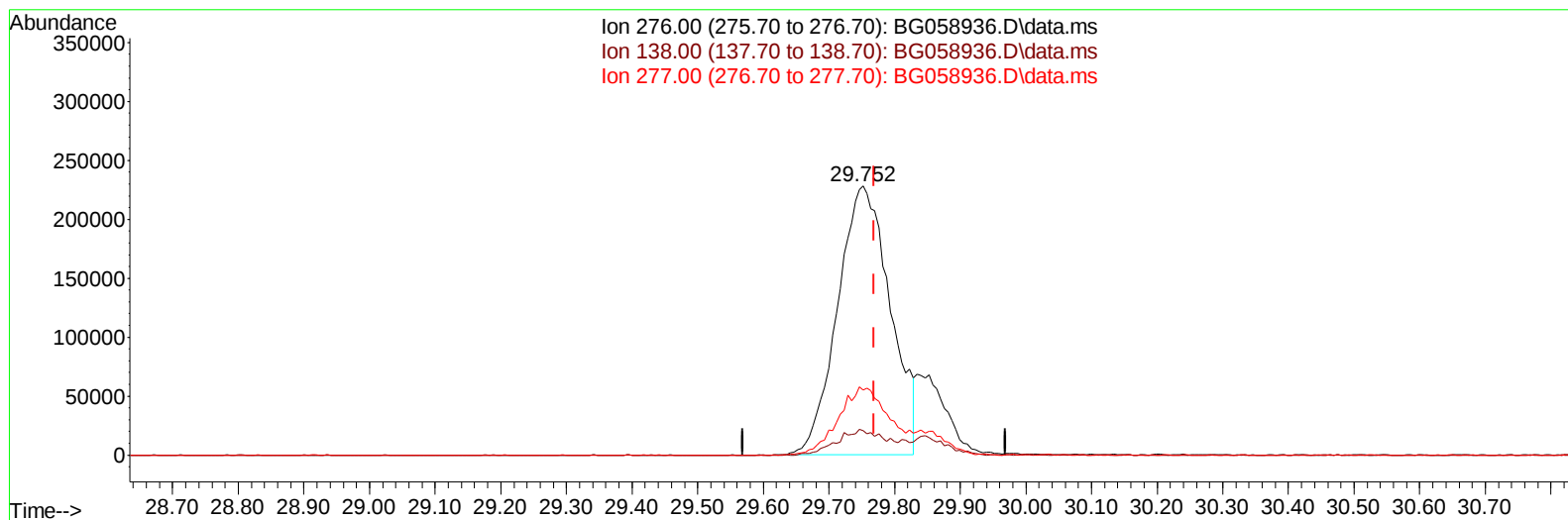
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058936.D
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 Operator : MA/JU
 Sample : PB155275BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS275

Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:05:13 2023
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Reviewed By :Yogesh Patel 09/09/2023
 Supervised By :mohammad ahmed 09/10/2023



TIC: BG058936.D\data.ms

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

29.752min (-0.017) 34.62 ng/u1

response 1270424

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	7.70	9.10
277.00	22.20	24.16
0.00	0.00	0.00

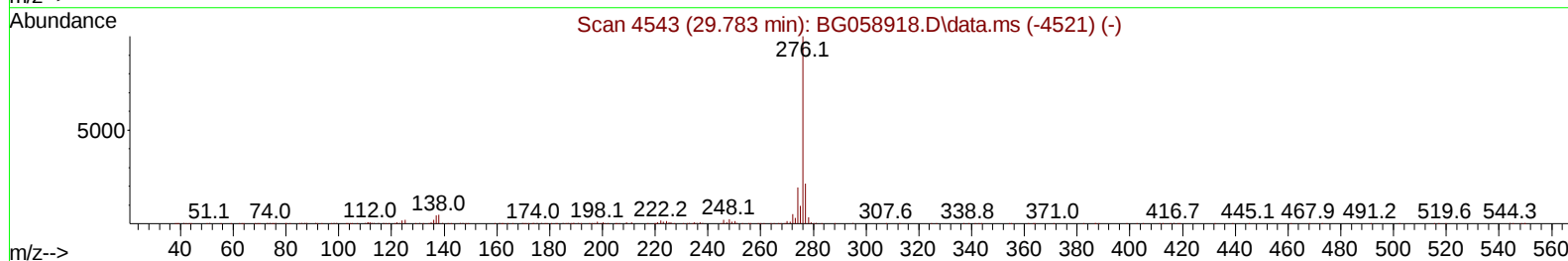
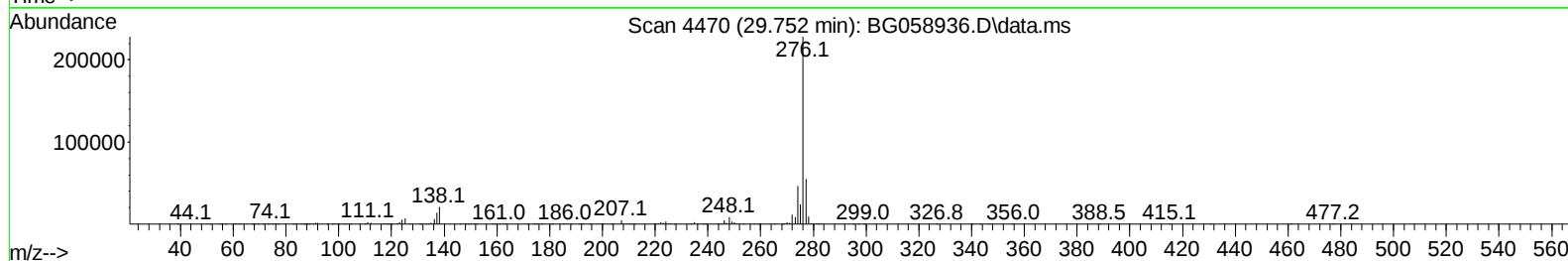
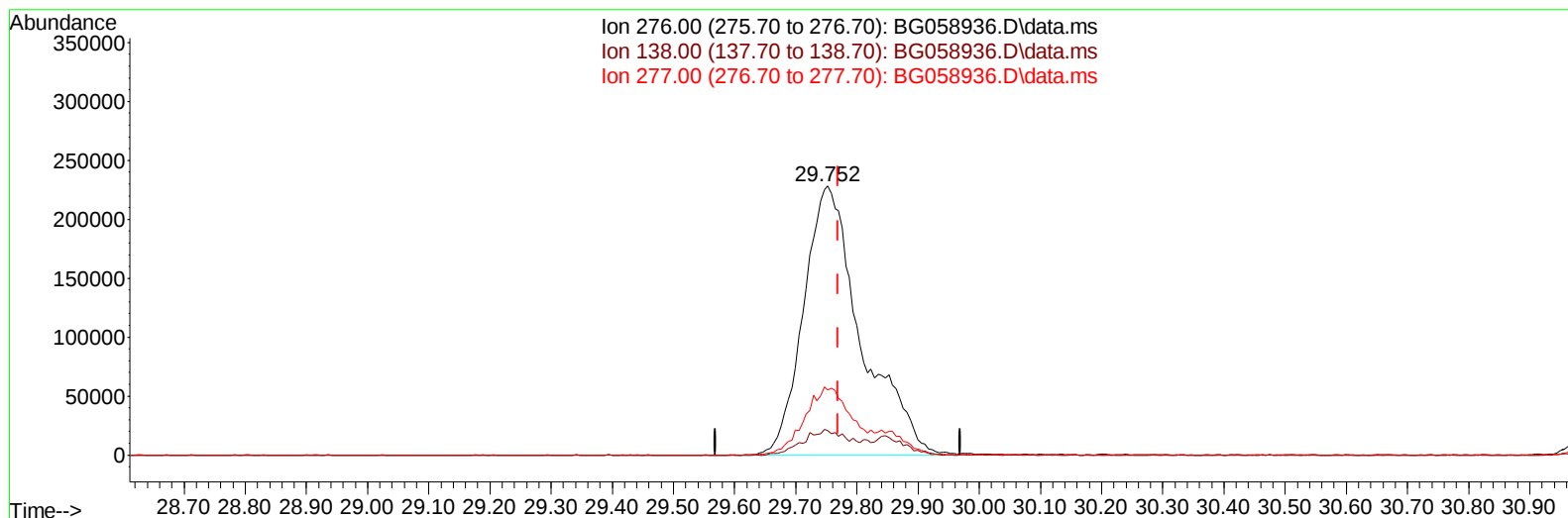
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058936.D
 Acq On : 9 Sep 2023 3:56
 Operator : MA/JU
 Sample : PB155275BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS275

Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:05:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090823.MA.M
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Reviewed By :Yogesh Patel 09/09/2023
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TIC: BG058936.D\data.ms

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

29.752min (-0.017) 40.71 ng/ul m

response 1493778

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	7.70	9.10
277.00	22.20	24.16
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
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 Acq On : 9 Sep 2023 3:56
 Operator : MA/JU
 Sample : PB155275BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS275

Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:06:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090823.MA.M
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Reviewed By :Yogesh Patel 09/09/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.330	152	53268	20.000	ng/ul	0.00
20) Naphthalene-d8	11.174	136	229201	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.958	164	202299	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.708	188	522403	20.000	ng/ul	0.00
79) Chrysene-d12	22.038	240	455214	20.000	ng/ul	0.00
88) Perylene-d12	25.604	264	522381	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.642	96	7025m	6.326	ng/uL	0.00
4) Pyridine-d5	4.071	84	118435	31.059	ng/ul	0.00
7) Phenol-d5	7.443	99	189984	35.959	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.649	67	101179	33.852	ng/ul	0.00
11) 2-Chlorophenol-d4	7.849	132	113455	36.001	ng/ul	0.00
15) 4-Methylphenol-d8	9.018	113	138274	33.769	ng/ul	0.00
21) Nitrobenzene-d5	9.529	128	57696	42.736	ng/ul	0.00
24) 2-Nitrophenol-d4	10.246	143	67810	45.851	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.775	165	166791	38.873	ng/ul	0.00
31) 4-Chloroaniline-d4	11.315	131	185992	33.793	ng/ul	0.00
46) Dimethylphthalate-d6	14.353	166	561600	35.963	ng/ul	0.00
49) Acenaphthylene-d8	14.658	160	600373	35.568	ng/ul	0.00
54) 4-Nitrophenol-d4	15.122	143	79206	38.390	ng/ul	0.00
60) Fluorene-d10	15.945	176	519696	35.310	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.051	200	99817	41.969	ng/ul	0.00
73) Anthracene-d10	17.807	188	851060	35.813	ng/ul	0.00
81) Pyrene-d10	20.075	212	913500	34.602	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.357	264	989679	38.460	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.683	88	16817	12.434	ng/ul#	86
5) Pyridine	4.094	79	119774	29.839	ng/ul	88
6) Benzaldehyde	7.478	77	102332	32.860	ng/ul	96
8) Phenol	7.467	94	201515	36.575	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.749	93	145182	35.530	ng/ul	99
12) 2-Chlorophenol	7.878	128	119043	37.464	ng/ul	92
13) 2-Methylphenol	8.747	108	151543	36.734	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.847	45	159422m	33.899	ng/ul	
16) Acetophenone	9.176	105	254643	34.877	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.141	70	139938	36.646	ng/ul	99
18) 4-Methylphenol	9.082	108	165590	36.681	ng/ul	95
19) Hexachloroethane	9.417	117	47537	36.654	ng/ul	95
22) Nitrobenzene	9.576	77	193019	41.803	ng/ul	98
23) Isophorone	10.081	82	403375	35.014	ng/ul	99
25) 2-Nitrophenol	10.281	139	73620	46.149	ng/ul#	84
26) 2,4-Dimethylphenol	10.299	107	171037	34.485	ng/ul	93
27) Bis(2-Chloroethoxy)met...	10.569	93	215600	36.139	ng/ul#	88
29) 2,4-Dichlorophenol	10.798	162	159952	39.329	ng/ul	92
30) Naphthalene	11.227	128	447884	36.174	ng/ul	98
32) 4-Chloroaniline	11.339	127	162231	31.077	ng/ul	97
33) Hexachlorobutadiene	11.462	225	140026	35.156	ng/ul	89
34) Caprolactam	12.120	113	53987m	40.127	ng/ul	
35) 4-Chloro-3-methylphenol	12.408	107	187671	39.274	ng/ul	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058936.D
 Acq On : 9 Sep 2023 3:56
 Operator : MA/JU
 Sample : PB155275BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS275

Manual IntegrationsAPPROVED

Quant Time: Sep 09 05:06:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 09 00:11:02 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/09/2023
 Supervised By :mohammad ahmed 09/10/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.807	142	340915	36.372	ng/ul	96
37) 1-Methylnaphthalene	13.025	142	326643	34.071	ng/ul	91
39) 1,2,4,5-Tetrachloroben...	13.148	216	273914	36.288	ng/ul	95
40) Hexachlorocyclopentadiene	13.101	237	177704	32.710	ng/ul	99
41) 2,4,6-Trichlorophenol	13.389	196	172700	39.371	ng/ul	96
42) 2,4,5-Trichlorophenol	13.454	196	191897	40.804	ng/ul	96
43) 1,1'-Biphenyl	13.794	154	520515	37.815	ng/ul	96
44) 2-Chloronaphthalene	13.847	162	407427	37.113	ng/ul	99
45) 2-Nitroaniline	14.059	65	121935	50.234	ng/ul	96
47) Dimethylphthalate	14.406	163	590231	37.174	ng/ul	99
48) 2,6-Dinitrotoluene	14.541	165	110824	49.178	ng/ul	97
50) Acenaphthylene	14.688	152	661754	35.132	ng/ul	95
51) 3-Nitroaniline	14.876	138	97683	43.016	ng/ul#	97
52) Acenaphthene	15.022	153	449935	36.687	ng/ul	99
53) 2,4-Dinitrophenol	15.069	184	70329	36.892	ng/ul#	90
55) 4-Nitrophenol	15.140	109	102860	39.860	ng/ul	94
56) Dibenzofuran	15.352	168	685757	37.457	ng/ul	95
57) 2,4-Dinitrotoluene	15.316	165	152354	46.865	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.557	232	204573	41.170	ng/ul#	98
59) Diethylphthalate	15.751	149	535524	37.528	ng/ul	99
61) Fluorene	15.998	166	561436	36.121	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.986	204	349612	37.495	ng/ul	94
63) 4-Nitroaniline	16.039	138	97294m	46.046	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.062	198	105320	42.180	ng/ul#	93
67) N-Nitrosodiphenylamine	16.203	169	511462	39.811	ng/ul	98
68) 4-Bromophenyl-phenylether	16.885	248	246403	38.843	ng/ul	97
69) Hexachlorobenzene	16.973	284	278417	38.035	ng/ul	97
70) Atrazine	17.138	200	139831	27.110	ng/ul	95
71) Pentachlorophenol	17.326	266	163670	36.406	ng/ul	95
72) Phenanthrene	17.749	178	969149	38.214	ng/ul	99
74) Anthracene	17.843	178	974841	37.648	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.753	216	29509	3.890	ng/uL	92
76) Pentachlorobenzene	15.246	250	322479	42.180	ng/uL	98
77) Carbazole	18.113	167	757696	38.553	ng/ul	99
78) Di-n-butylphthalate	18.630	149	773072	43.756	ng/ul	97
80) Fluoranthene	19.740	202	1143519	35.640	ng/ul	99
82) Pyrene	20.105	202	1155581	35.957	ng/ul	99
83) Butylbenzylphthalate	20.974	149	295886	53.098	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.920	252	415067	41.744	ng/ul	99
85) Benzo(a)anthracene	22.014	228	1205787	38.906	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.867	149	432178	49.717	ng/ul	96
87) Chrysene	22.085	228	1127404	38.832	ng/ul	99
89) Di-n-octyl phthalate	23.213	149	735885	45.108	ng/ul	100
90) Benzo(b)fluoranthene	24.453	252	1245319	39.586	ng/ul	100
91) Benzo(k)fluoranthene	24.535	252	1260300	39.815	ng/ul	99
93) Benzo(a)pyrene	25.440	252	1115584	37.900	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.752	276	1493778m	40.706	ng/ul	
95) Dibenzo(a,h)anthracene	29.852	278	1224059	41.019	ng/ul	100
96) Benzo(g,h,i)perylene	31.074	276	1213151	41.638	ng/ul#	96

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

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