

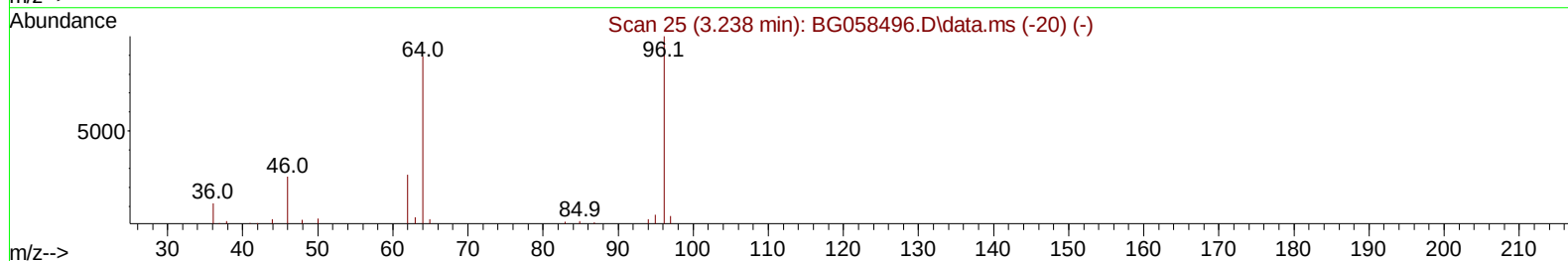
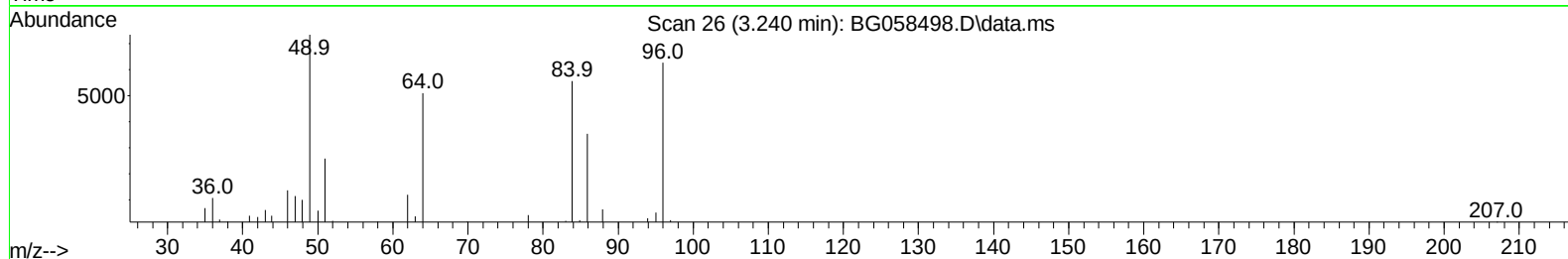
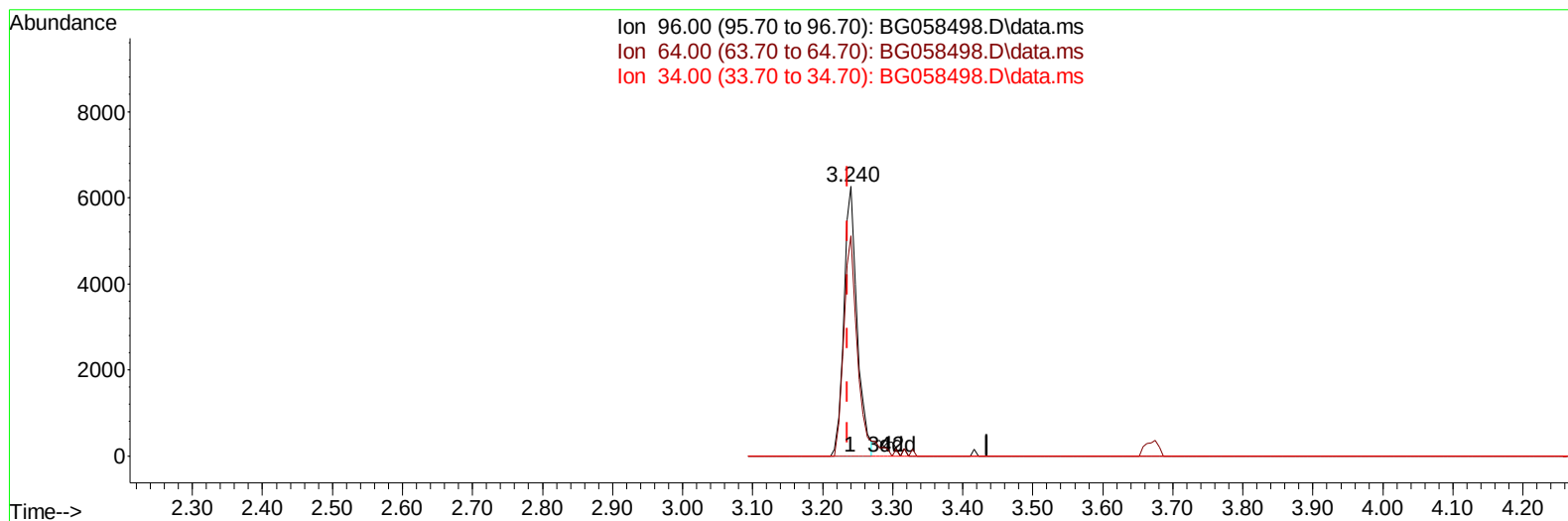
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072723\
 Data File : BG058498.D
 Acq On : 27 Jul 2023 12:48
 Operator : MA/JU
 Sample : PB154055BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS055

Manual IntegrationsAPPROVED

Quant Time: Jul 28 00:59:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 26 17:43:09 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023



TIC: BG058498.D\data.ms

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

3.240min (+ 0.005) 6.13 ng/uL

response 8252

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	91.80	81.60
34.00	0.00	0.00
0.00	0.00	0.00

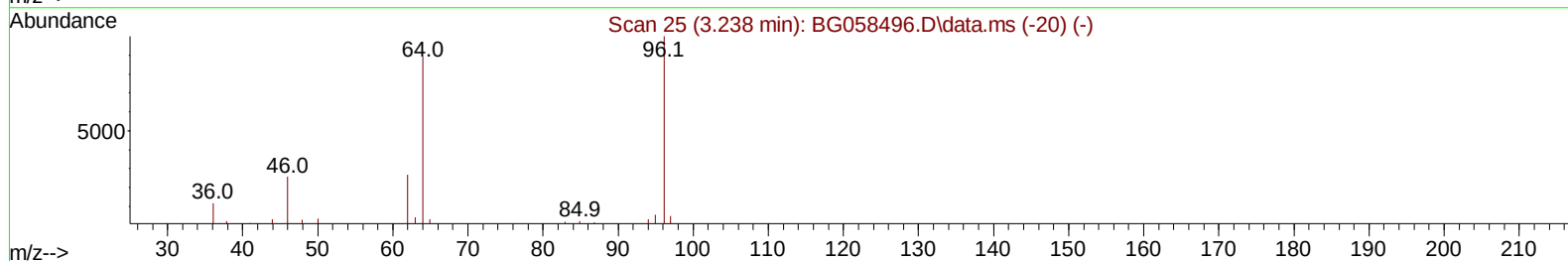
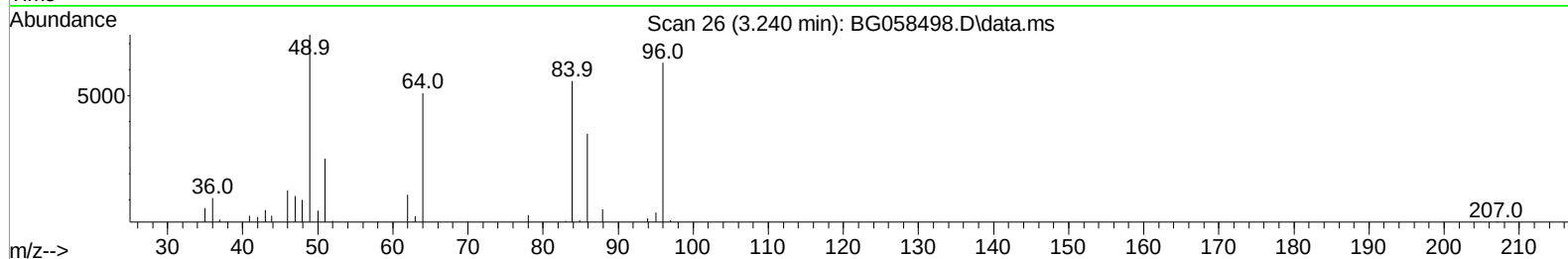
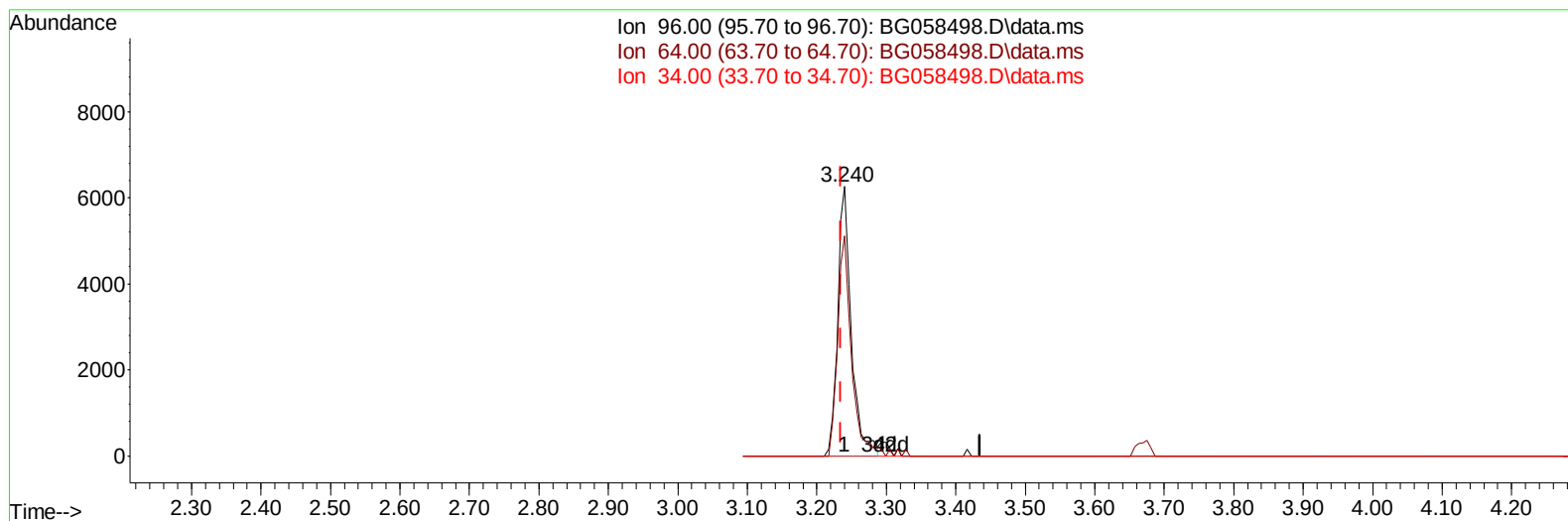
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(3) 1,4-Dioxane-d8 (S)

3.240min (+ 0.005) 6.37 ng/uL m

response 8570

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	91.80	81.60
34.00	0.00	0.00
0.00	0.00	0.00

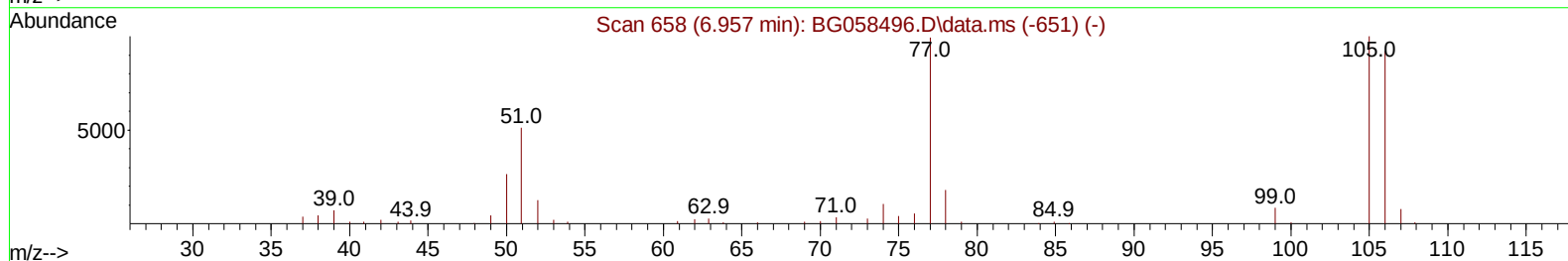
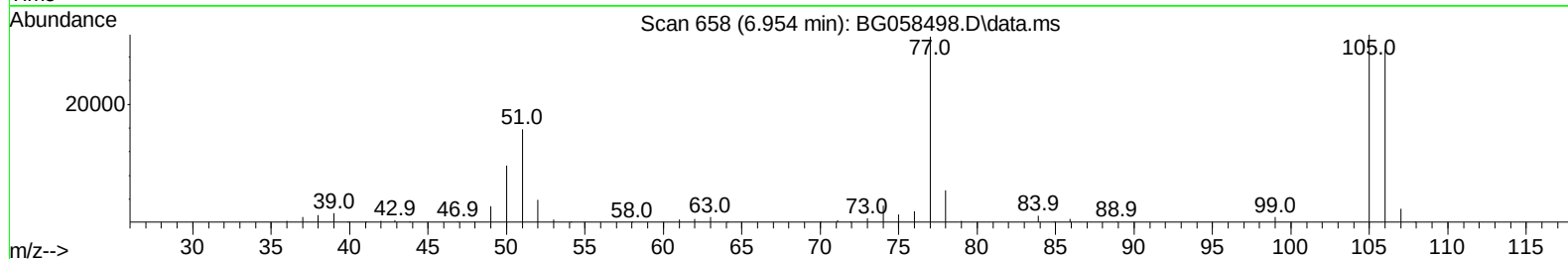
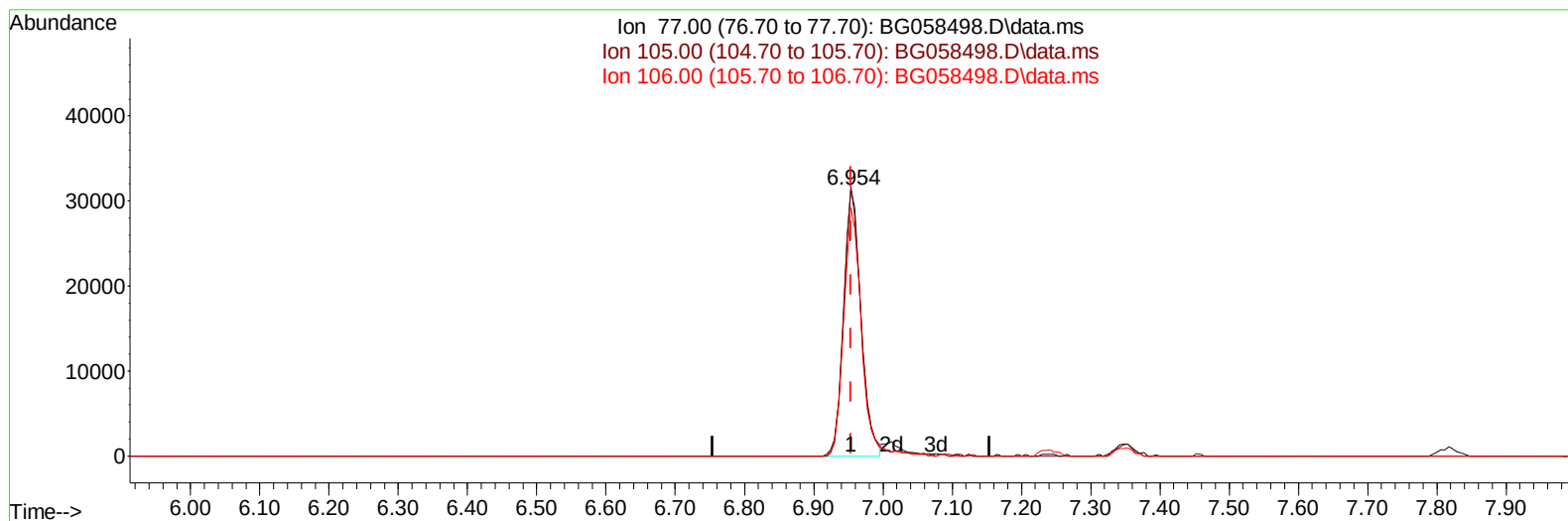
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TIC: BG058498.D\data.ms

(6) Benzaldehyde

6.954min (-0.001) 28.99 ng/u1

response 55029

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	97.80	101.17
106.00	89.50	93.21
0.00	0.00	0.00

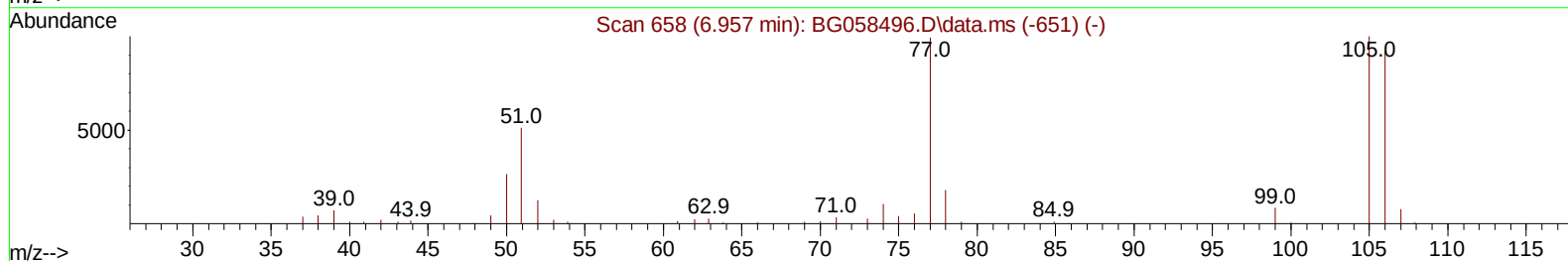
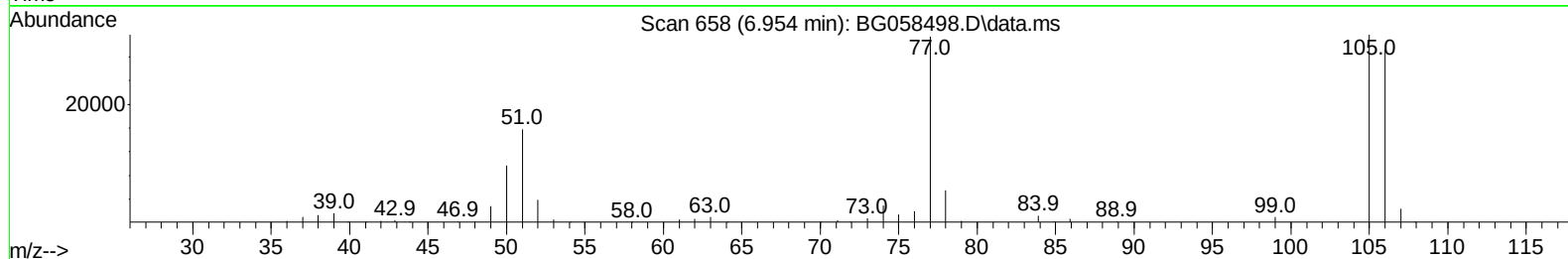
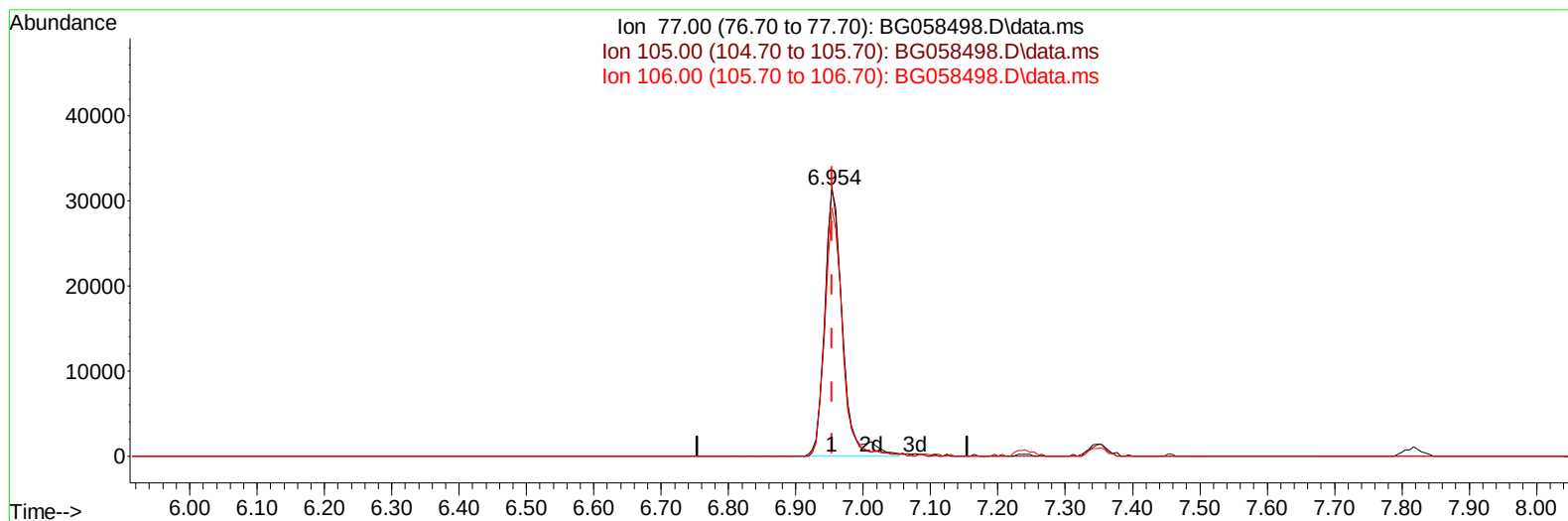
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TIC: BG058498.D\data.ms

(6) Benzaldehyde

6.954min (-0.001) 30.61 ng/ul m

response 58114

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	97.80	101.17
106.00	89.50	93.21
0.00	0.00	0.00

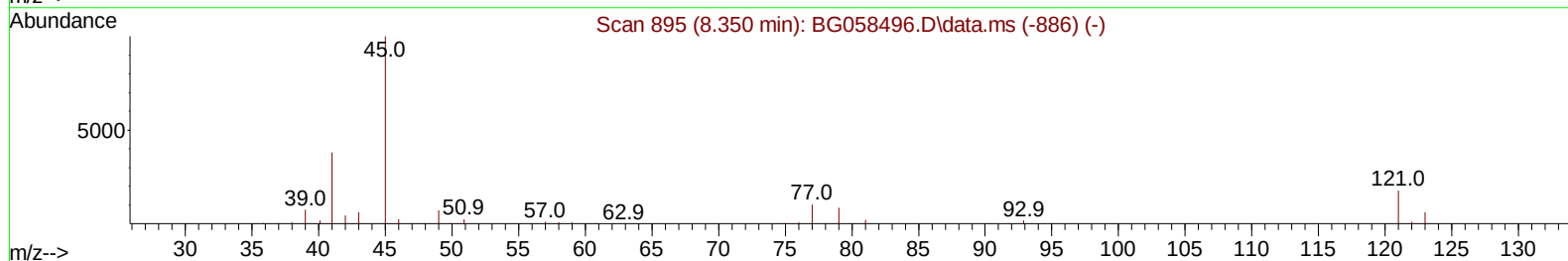
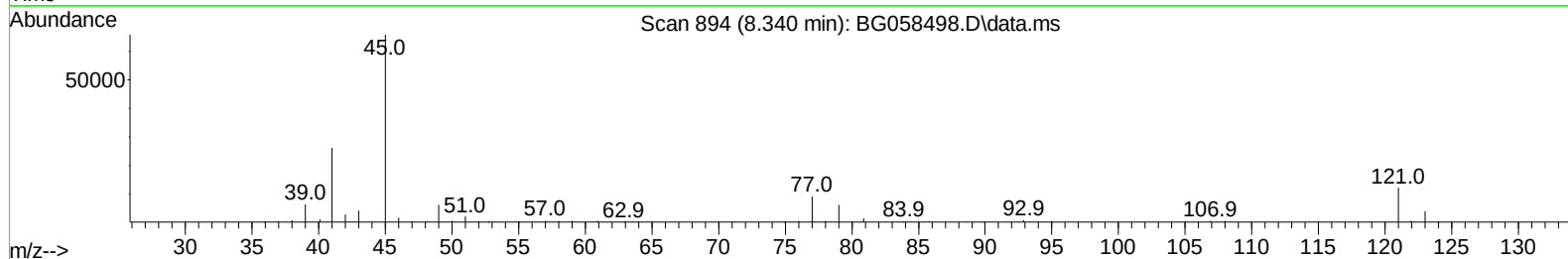
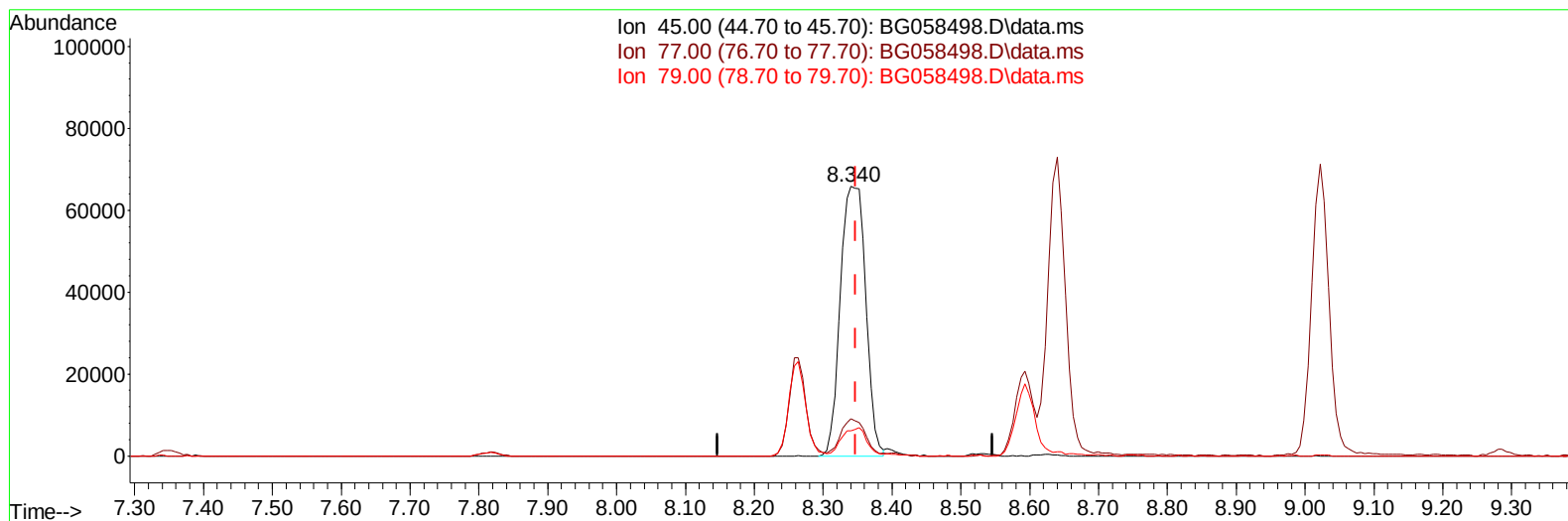
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TIC: BG058498.D\data.ms

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

8.340min (-0.007) 27.58 ng/u1

response 169019

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	11.80	13.83
79.00	9.30	9.23
0.00	0.00	0.00

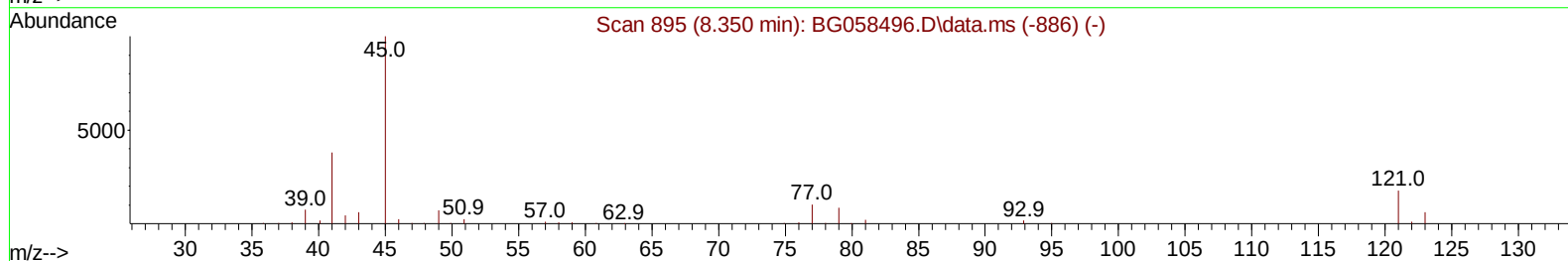
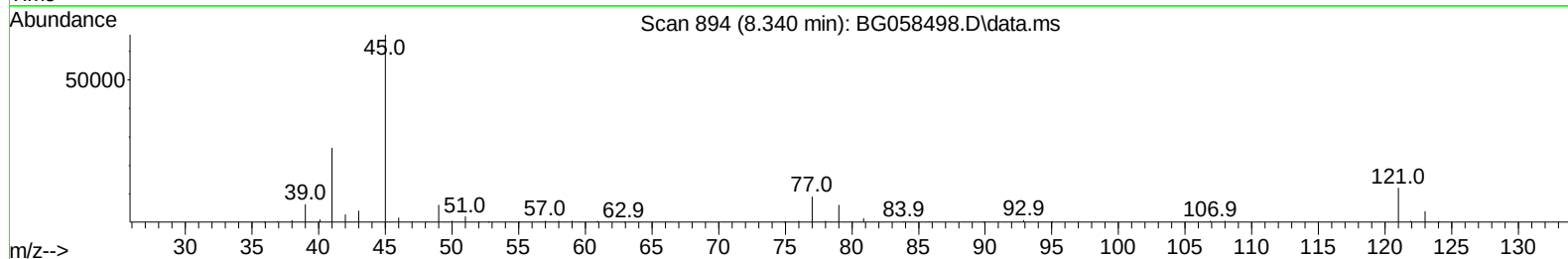
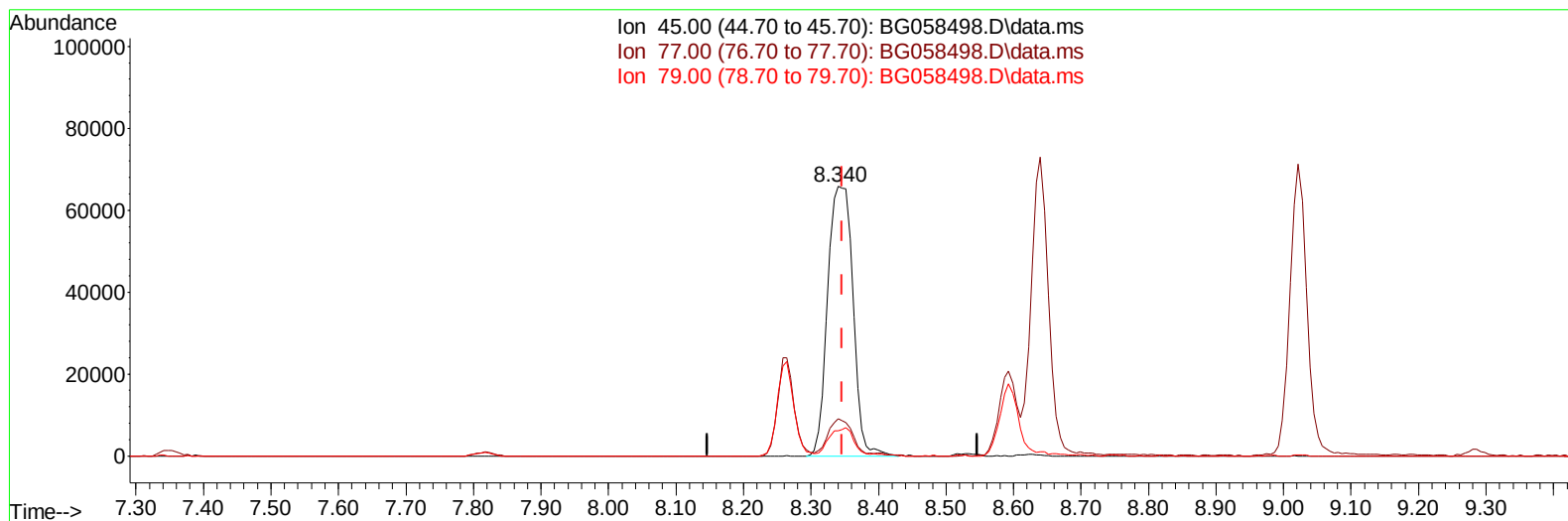
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 Data File : BG058498.D
 Acq On : 27 Jul 2023 12:48
 Operator : MA/JU
 Sample : PB154055BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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TIC: BG058498.D\data.ms

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

8.340min (-0.007) 27.90 ng/ul m

response 170982

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	11.80	13.83
79.00	9.30	9.23
0.00	0.00	0.00

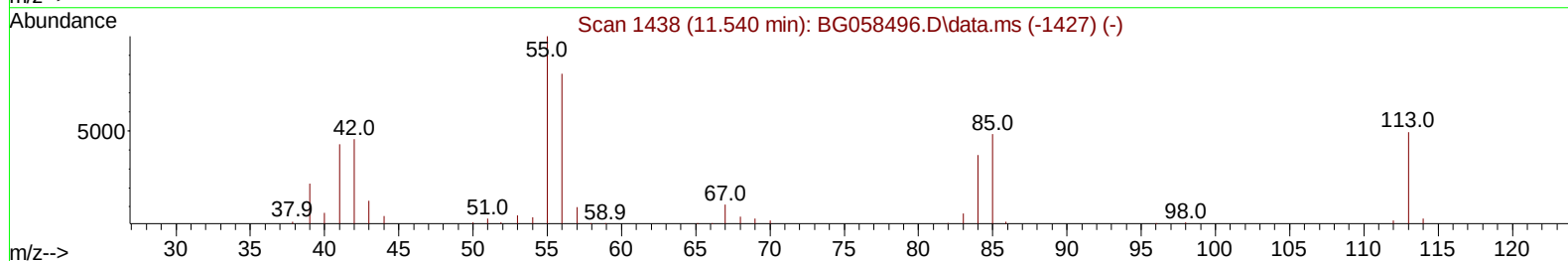
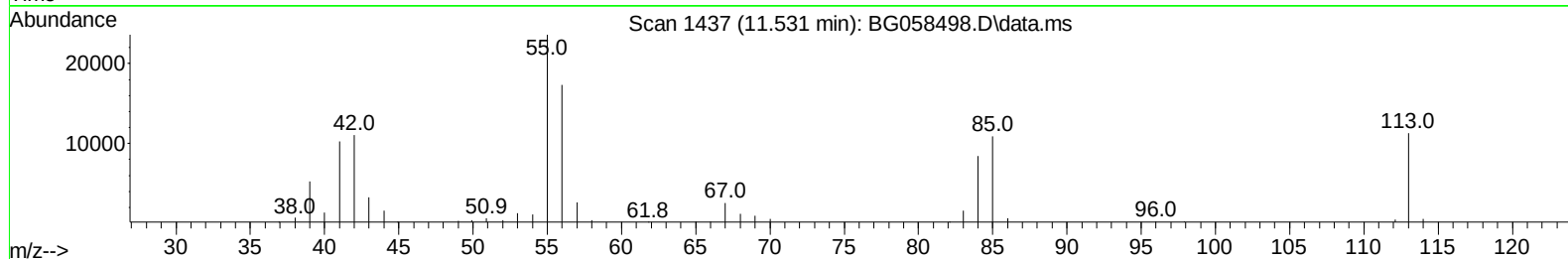
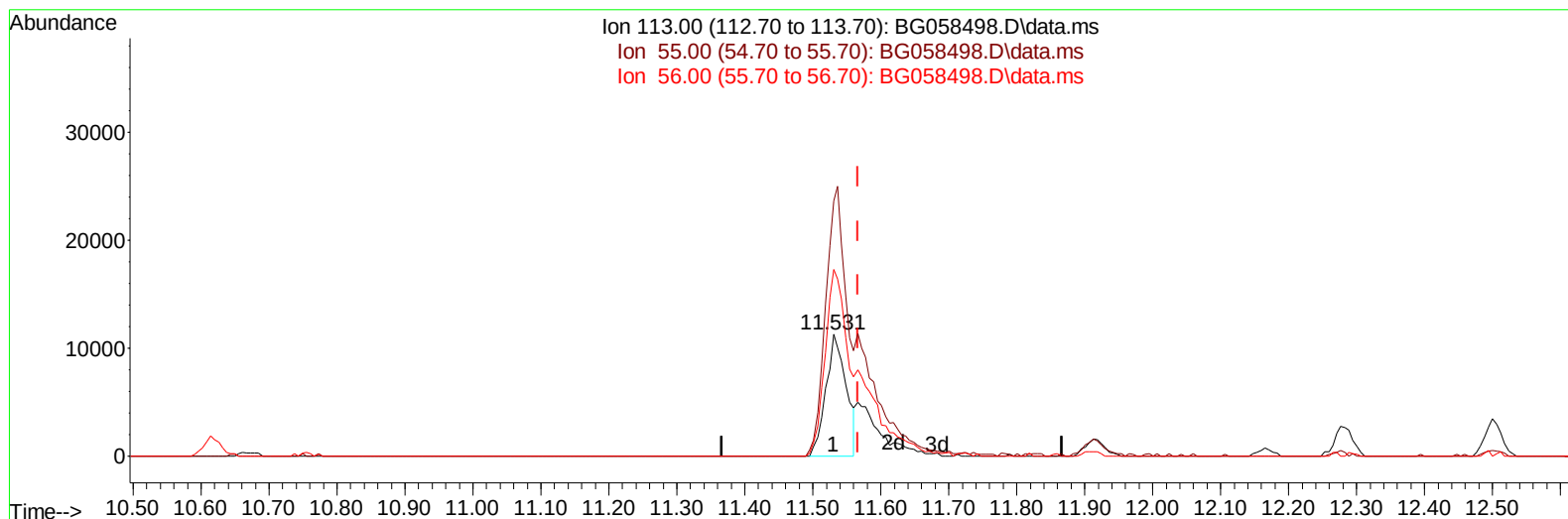
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TIC: BG058498.D\data.ms

(34) Caprolactam

11.531min (-0.036) 18.11 ng/ul

response 23523

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	224.70	209.07
56.00	165.30	153.17
0.00	0.00	0.00

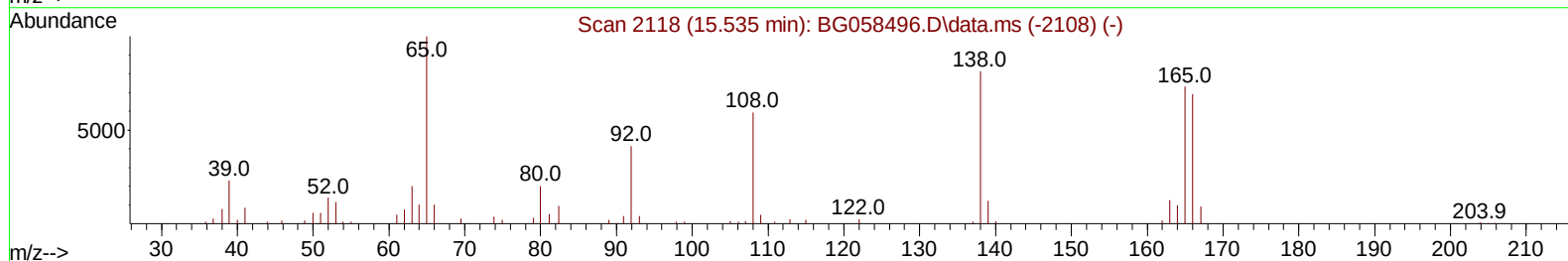
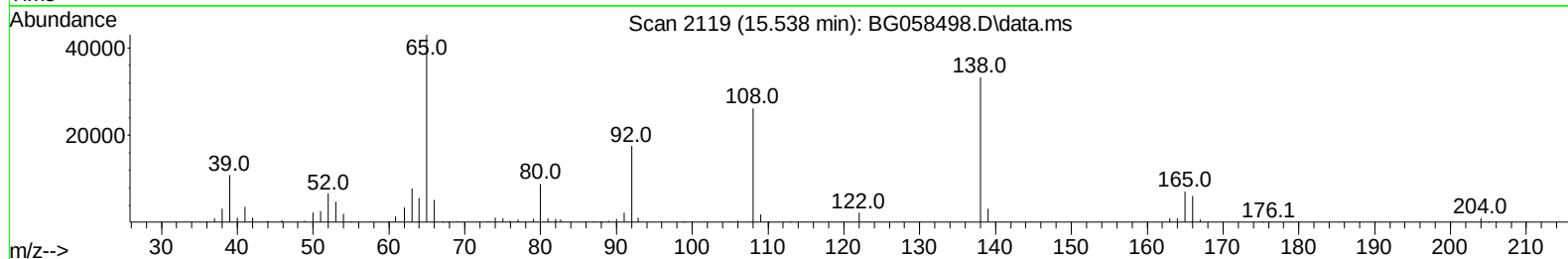
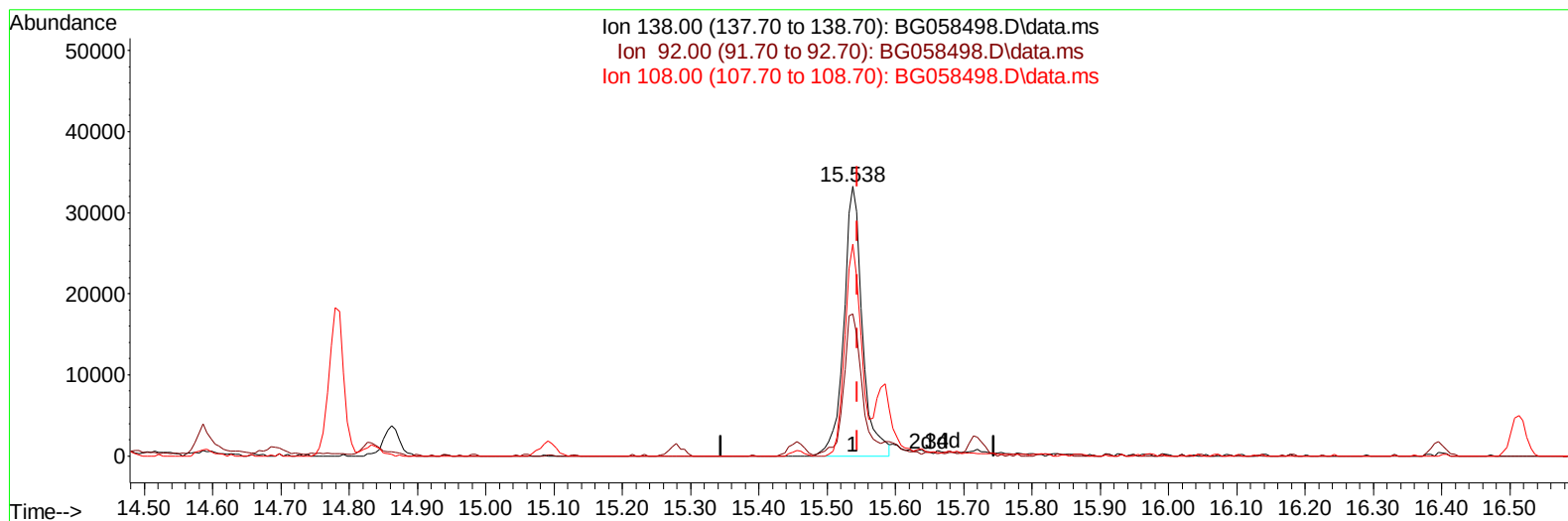
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 Misc :
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Instrument :
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TIC: BG058498.D\data.ms

(63) 4-Nitroaniline

15.538min (-0.007) 38.51 ng/ul

response 63068

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	56.20	52.77
108.00	76.00	78.70
0.00	0.00	0.00

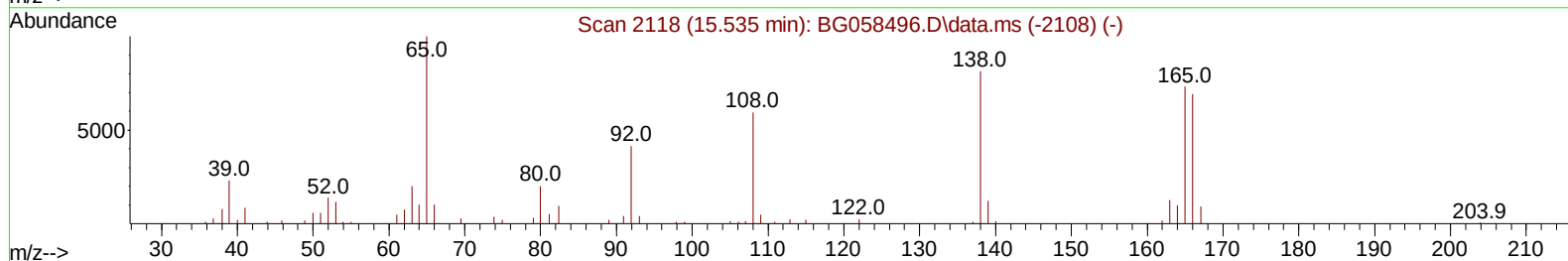
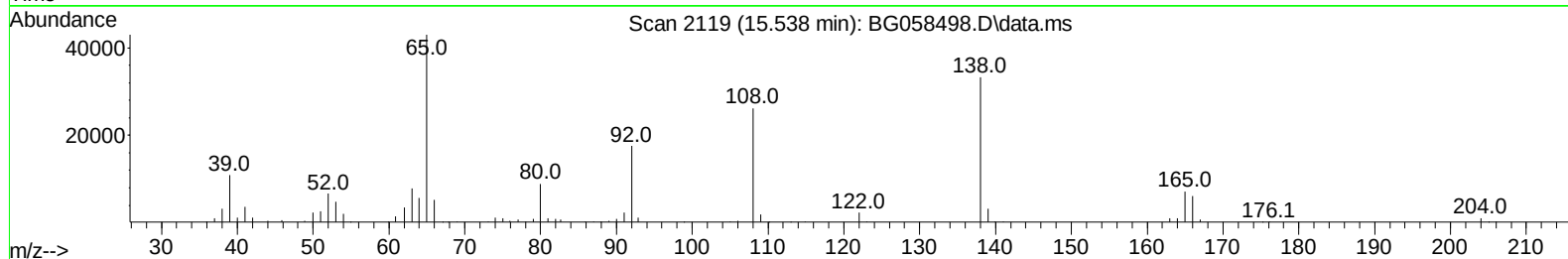
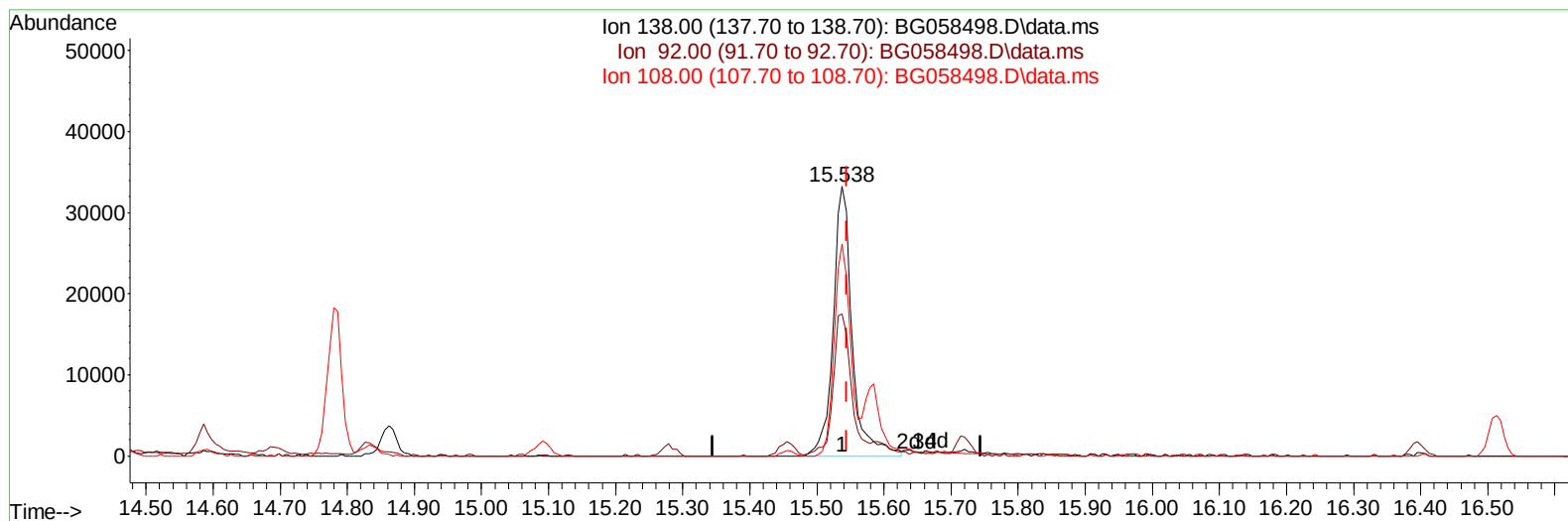
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 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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TIC: BG058498.D\data.ms

(63) 4-Nitroaniline

15.538min (-0.007) 39.75 ng/ul m

response 65089

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	56.20	52.77
108.00	76.00	78.70
0.00	0.00	0.00

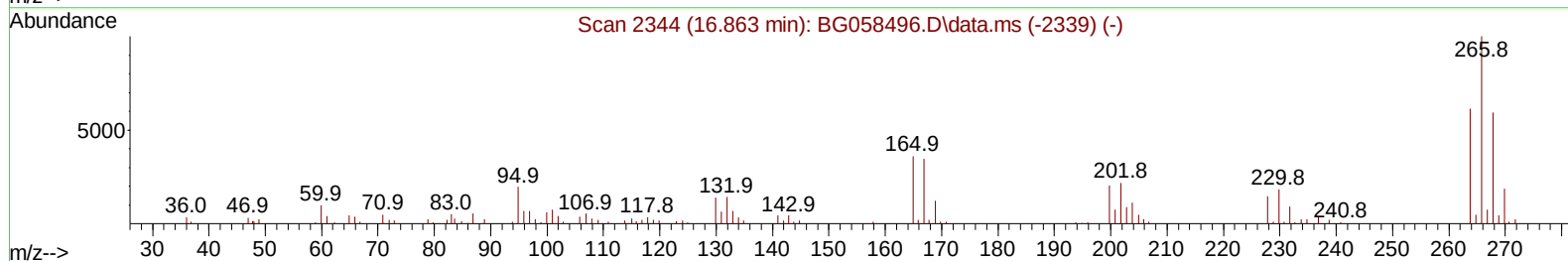
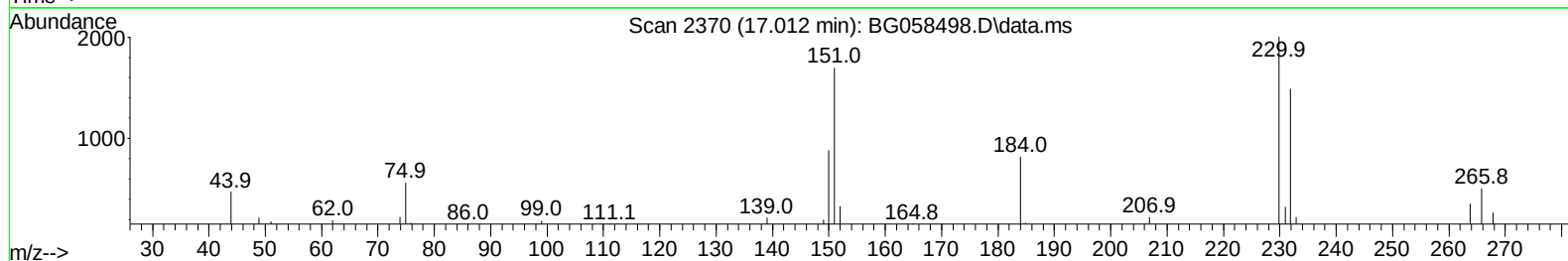
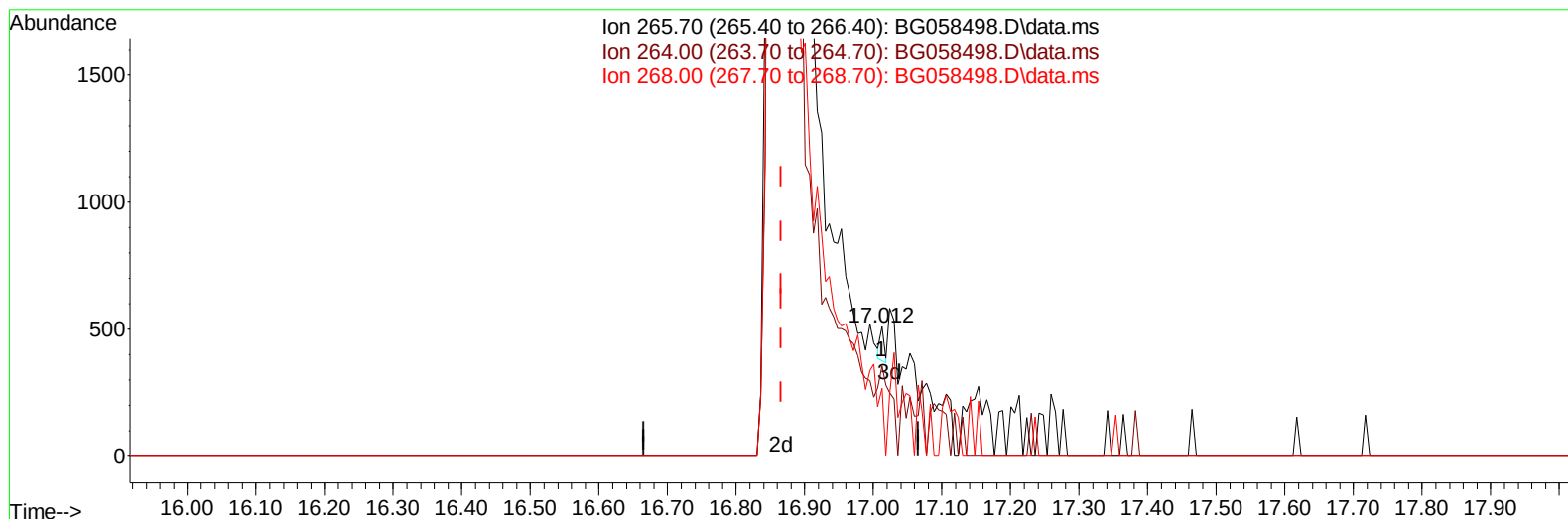
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TIC: BG058498.D\data.ms

(71) Pentachlorophenol (C)

17.012min (+ 0.146) 0.02 ng/u1

response 50

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	58.30	69.74
268.00	59.50	52.26
0.00	0.00	0.00

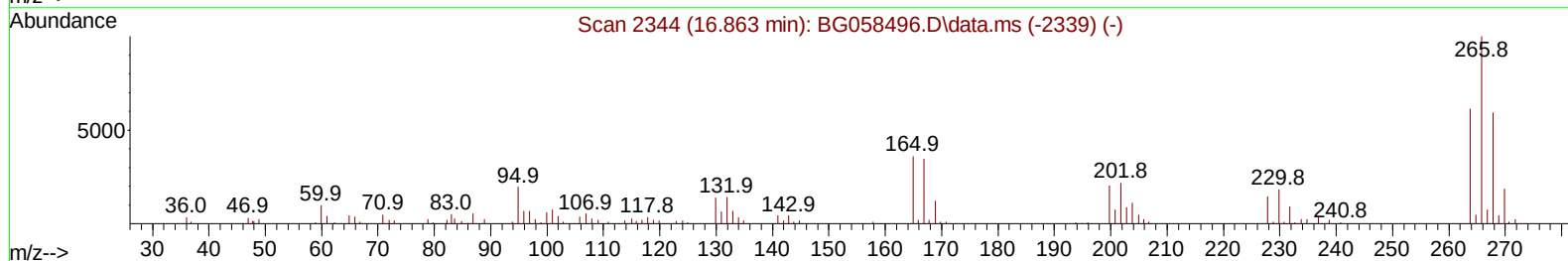
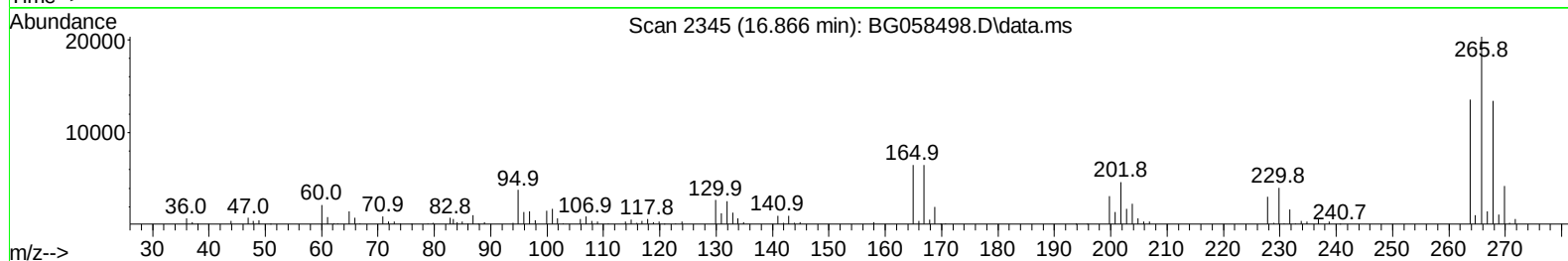
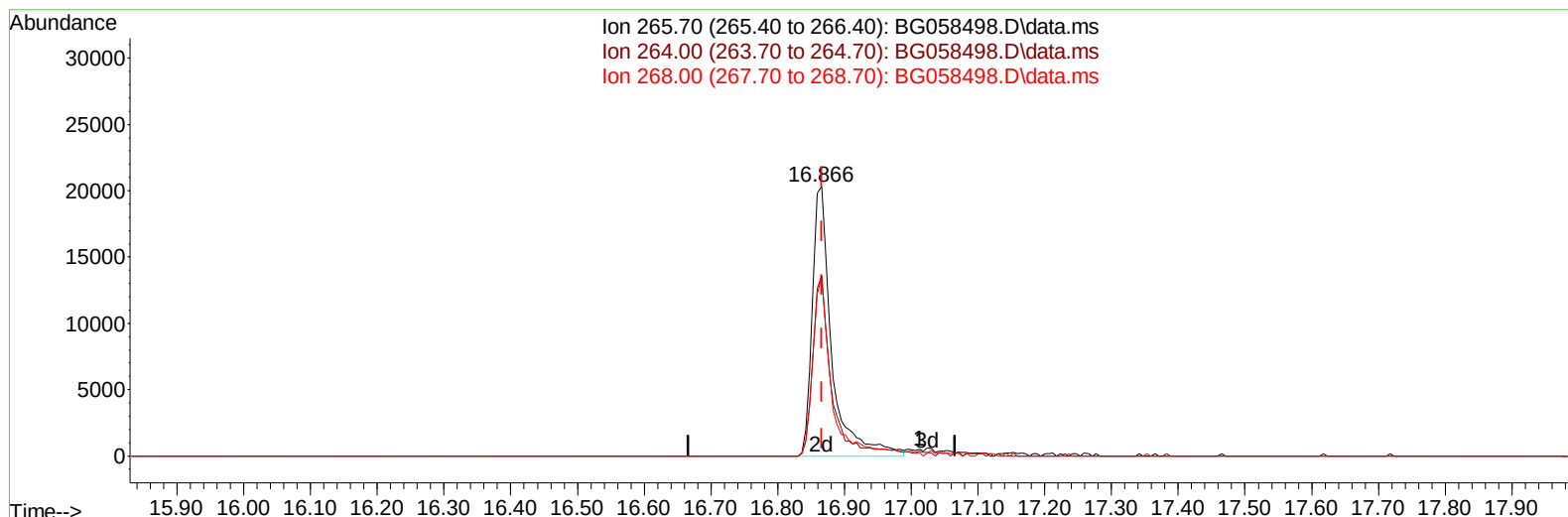
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TIC: BG058498.D\data.ms

(71) Pentachlorophenol (C)

16.866min (-0.001) 17.47 ng/ul m

response 41140

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	58.30	66.85
268.00	59.50	66.08
0.00	0.00	0.00

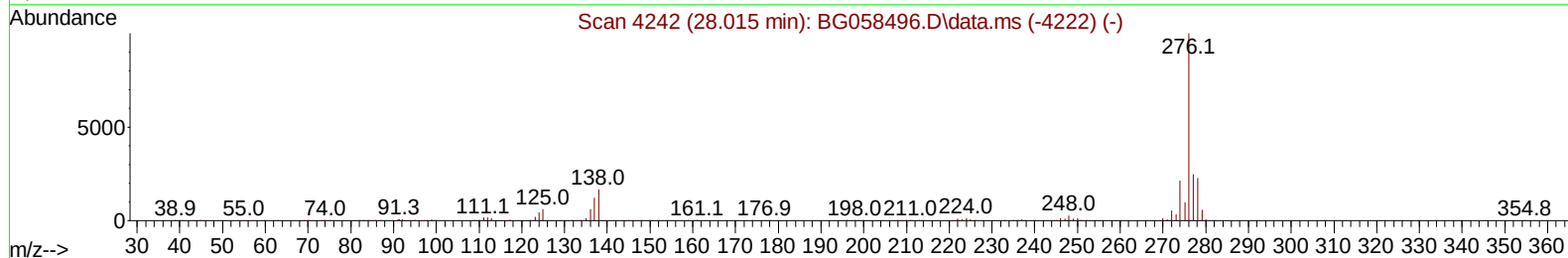
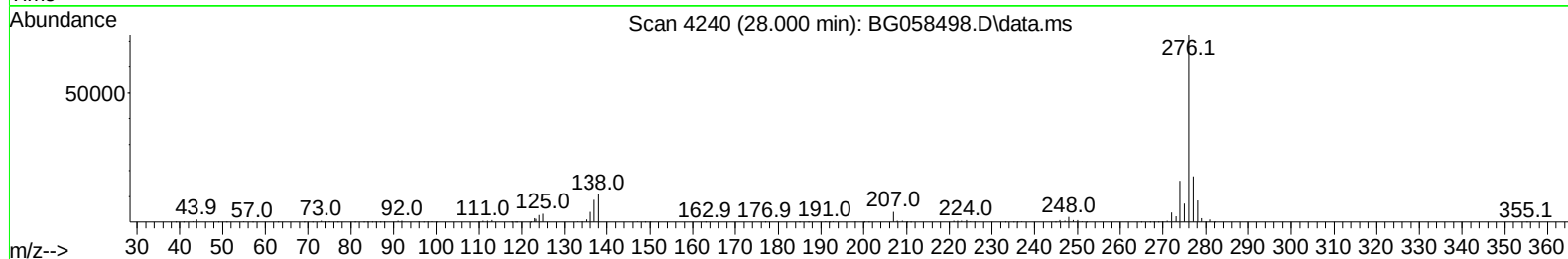
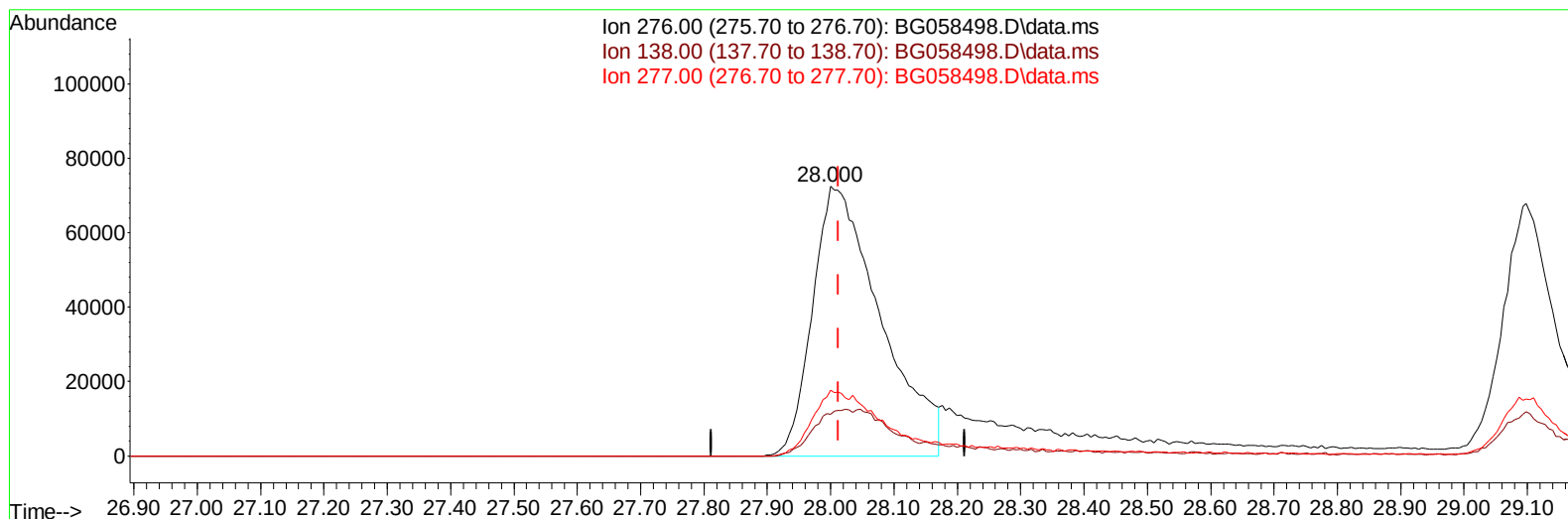
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Manual IntegrationsAPPROVED

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Quant Time: Jul 28 01:13:38 2023
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TIC: BG058498.D\data.ms

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

28.000min (-0.012) 23.01 ng/u1

response 541033

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.20	15.41
277.00	24.00	24.52
0.00	0.00	0.00

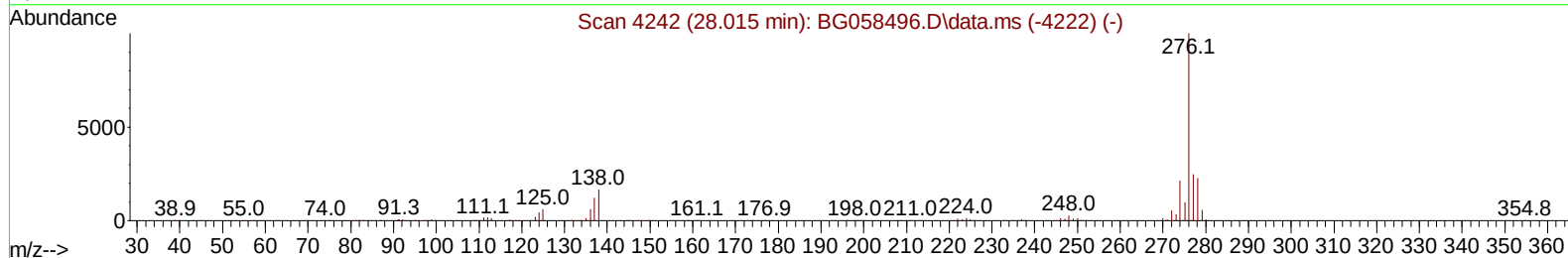
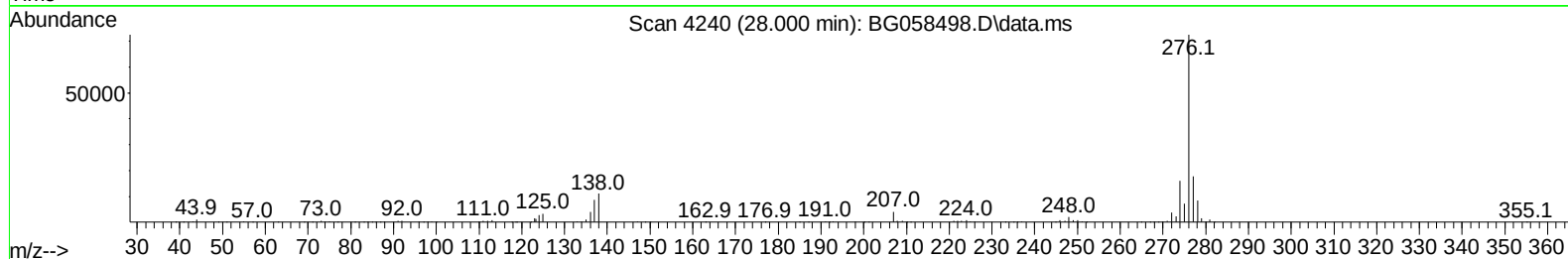
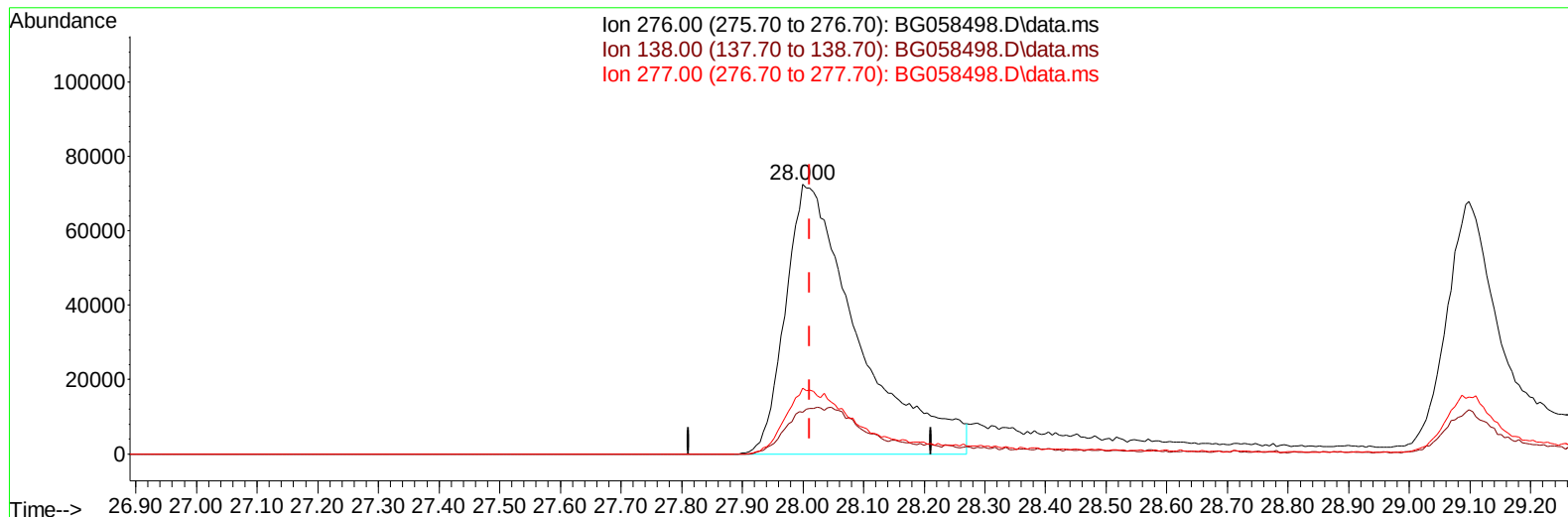
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TIC: BG058498.D\data.ms

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

28.000min (-0.012) 25.64 ng/ul m

response 602661

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.20	15.41
277.00	24.00	24.52
0.00	0.00	0.00

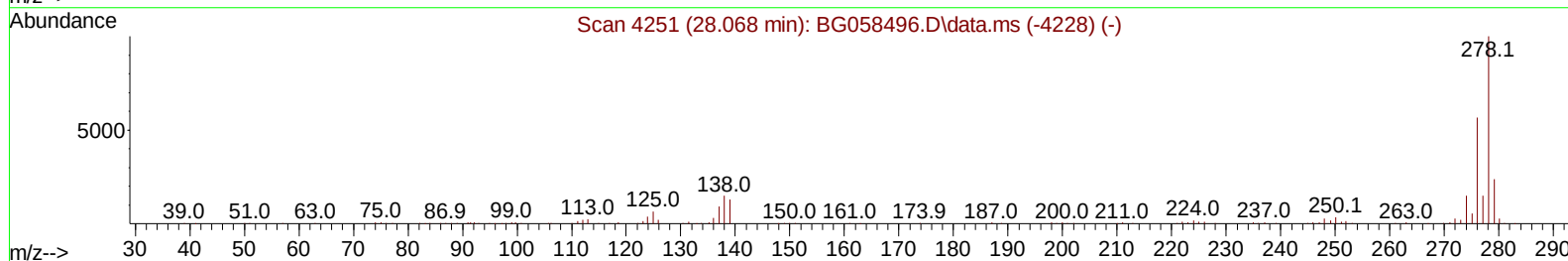
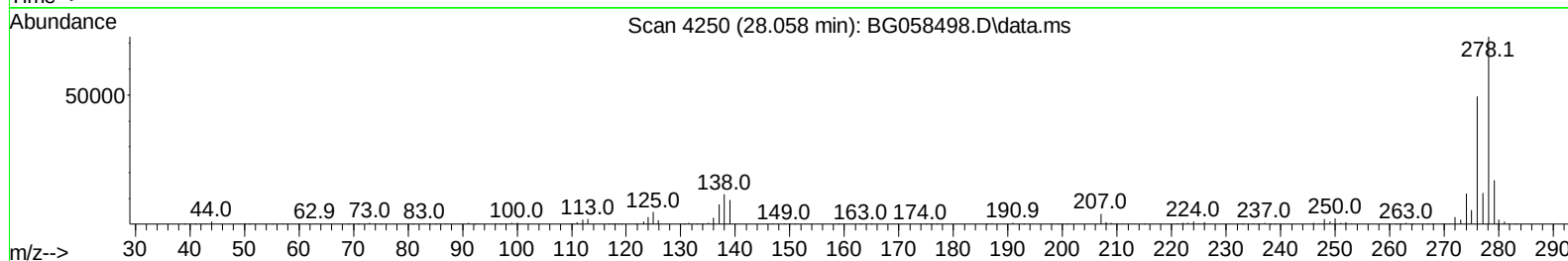
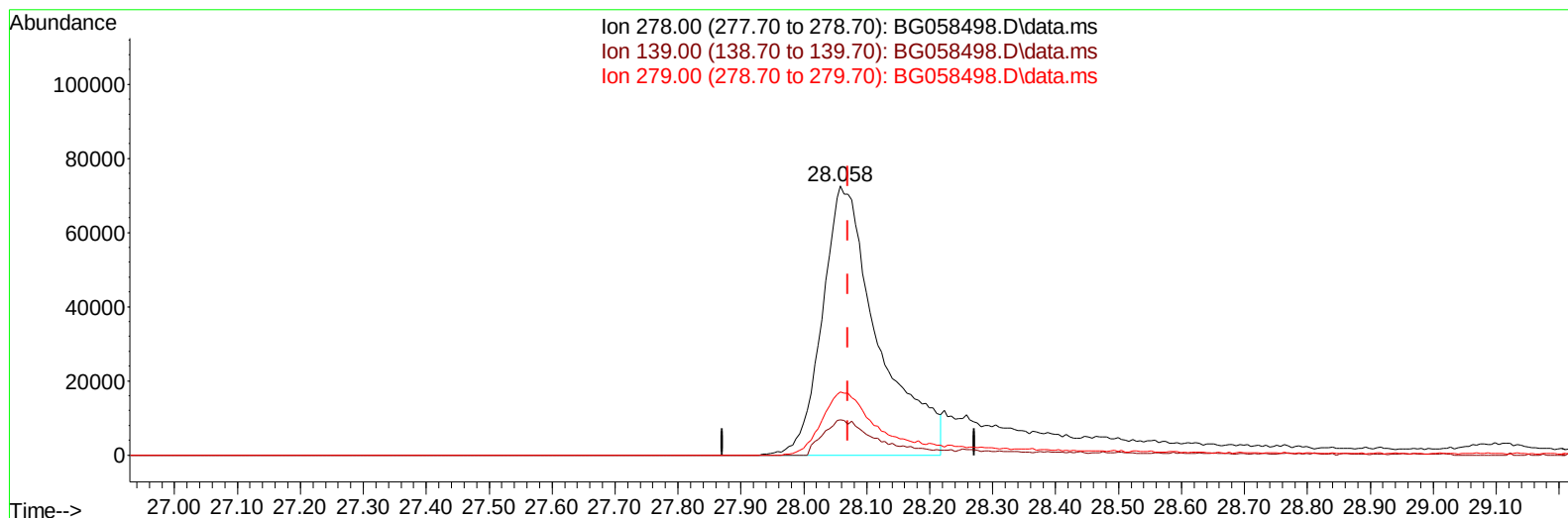
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Data File : BG058498.D
Acq On : 27 Jul 2023 12:48
Operator : MA/JU
Sample : PB154055BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS055

Manual IntegrationsAPPROVED

Quant Time: Jul 28 01:13:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 26 17:43:09 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



TIC: BG058498.D\data.ms

(95) Dibenzo(a,h)anthracene

28.058min (-0.012) 23.18 ng/u1

response 446883

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.00	13.15
279.00	23.00	23.51
0.00	0.00	0.00

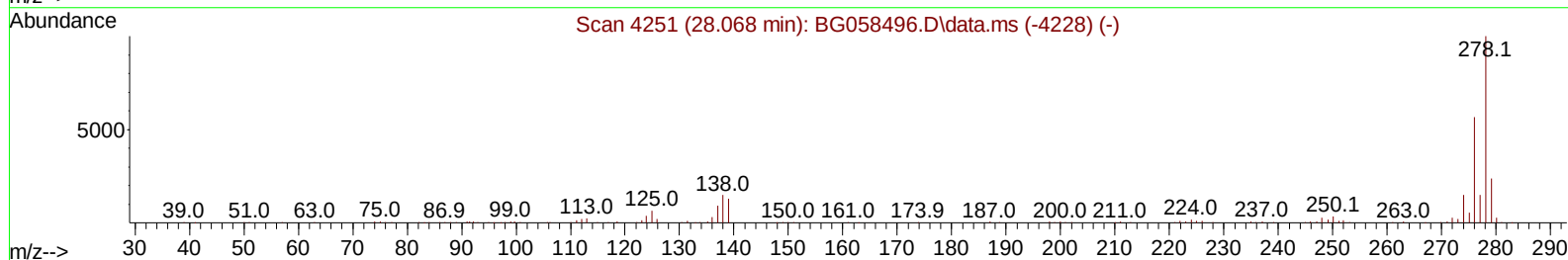
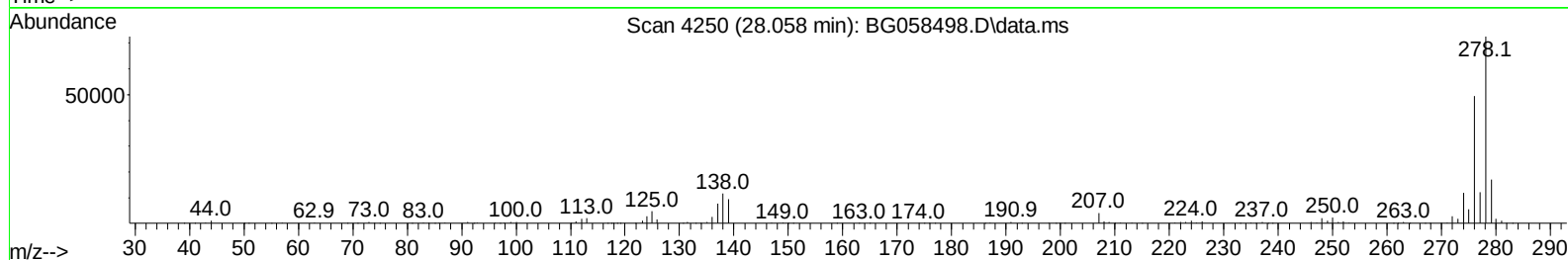
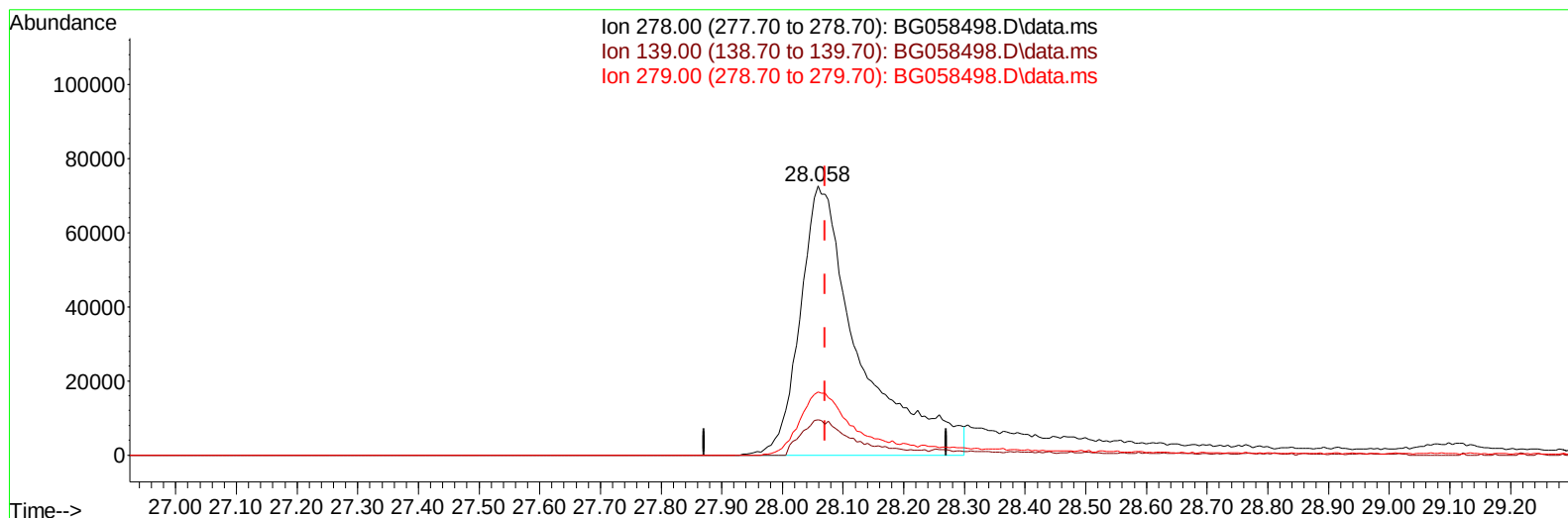
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072723\
Data File : BG058498.D
Acq On : 27 Jul 2023 12:48
Operator : MA/JU
Sample : PB154055BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS055

Manual IntegrationsAPPROVED

Quant Time: Jul 28 01:13:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 26 17:43:09 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



TIC: BG058498.D\data.ms

(95) Dibenzo(a,h)anthracene

28.058min (-0.012) 25.59 ng/ul m

response 493327

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.00	13.15
279.00	23.00	23.51
0.00	0.00	0.00

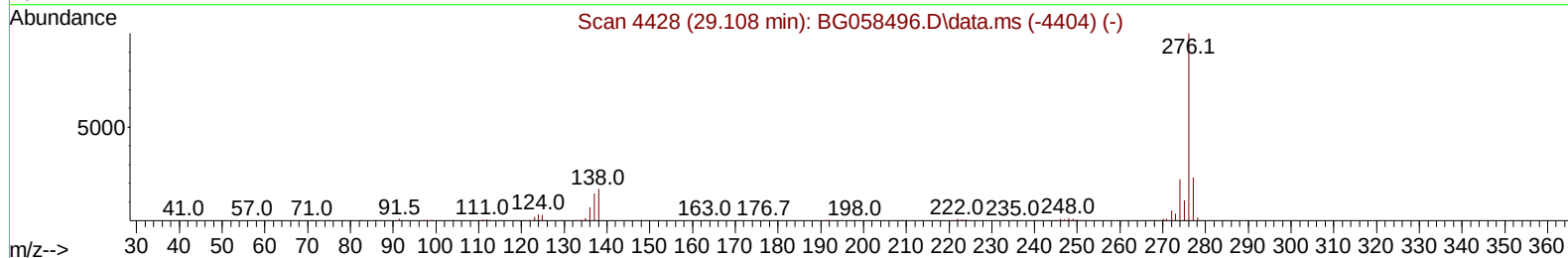
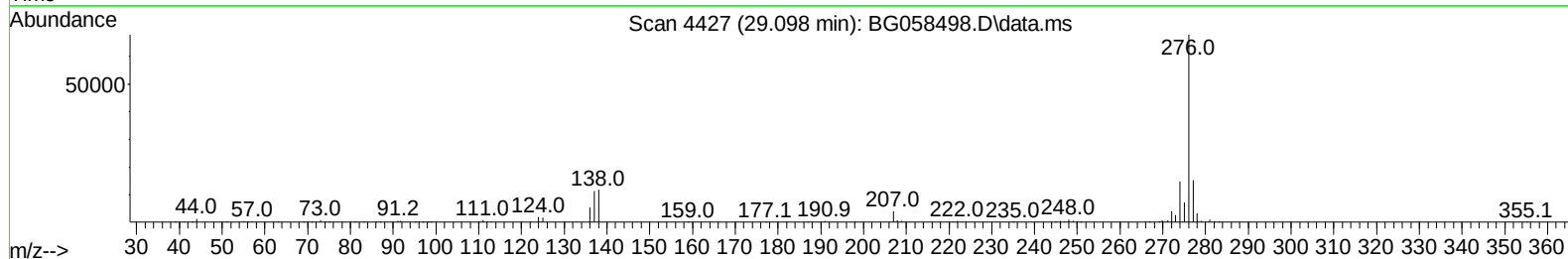
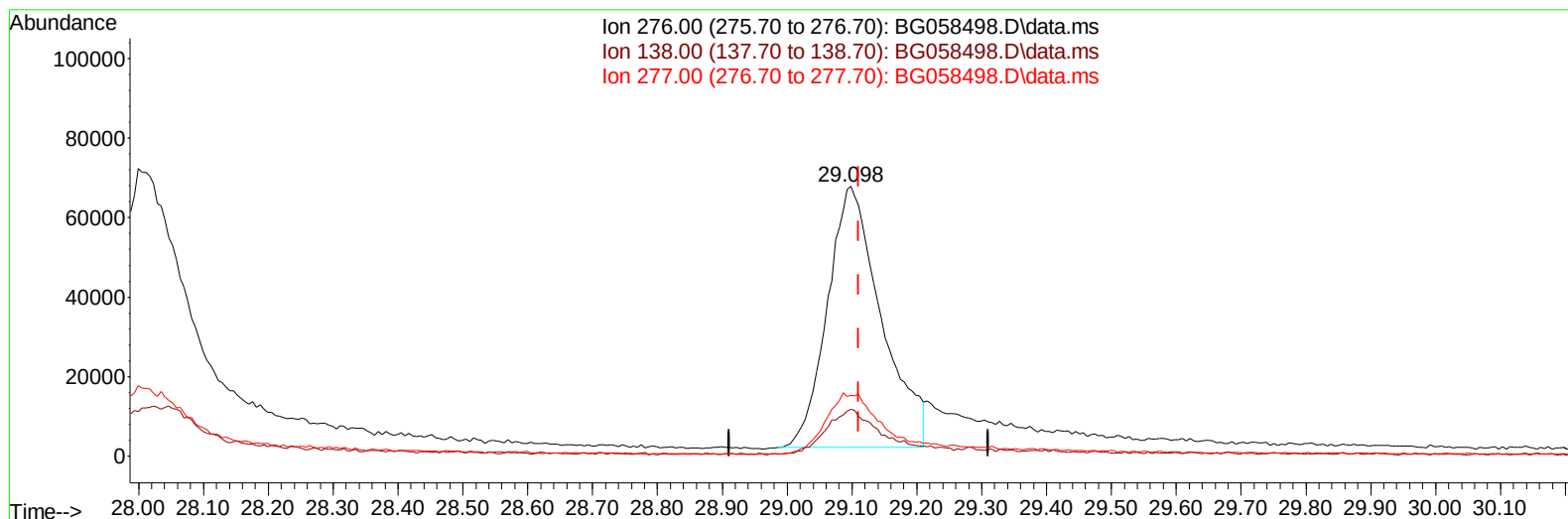
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072723\
 Data File : BG058498.D
 Acq On : 27 Jul 2023 12:48
 Operator : MA/JU
 Sample : PB154055BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS055

Manual IntegrationsAPPROVED

Quant Time: Jul 28 01:13:38 2023
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TIC: BG058498.D\data.ms

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

29.098min (-0.012) 19.86 ng/u1

response 380377

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.90	17.42
277.00	24.30	22.48
0.00	0.00	0.00

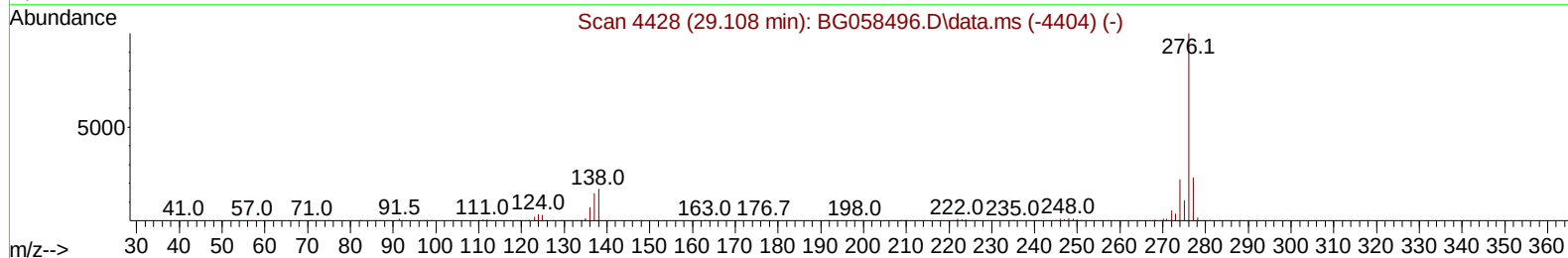
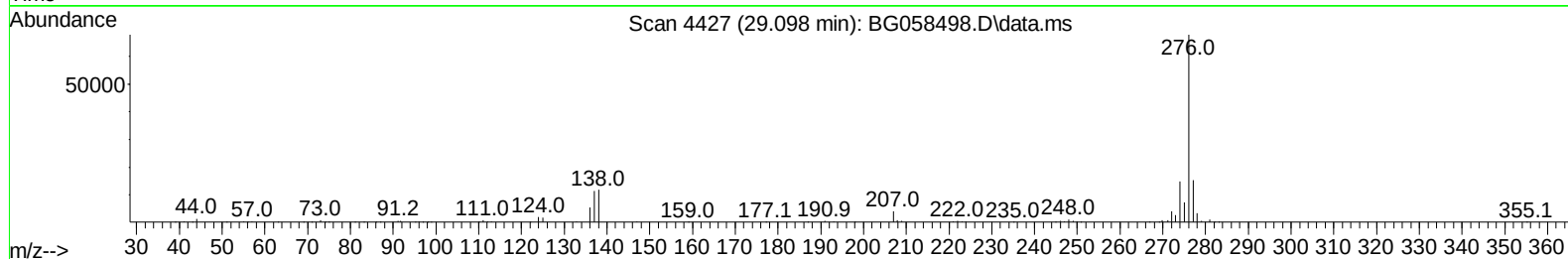
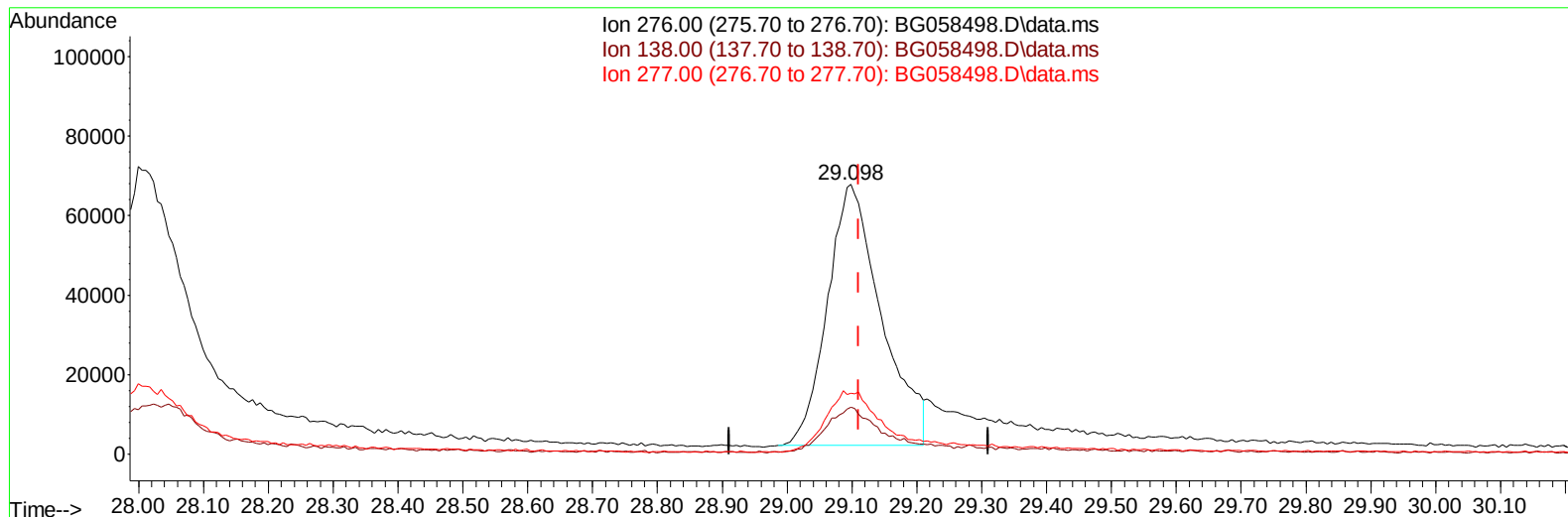
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072723\
 Data File : BG058498.D
 Acq On : 27 Jul 2023 12:48
 Operator : MA/JU
 Sample : PB154055BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS055

Manual IntegrationsAPPROVED

Quant Time: Jul 28 01:15:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 26 17:43:09 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023



TIC: BG058498.D\data.ms

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

29.098min (-0.012) 19.86 ng/u1

response 380377

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.90	17.42
277.00	24.30	22.48
0.00	0.00	0.00

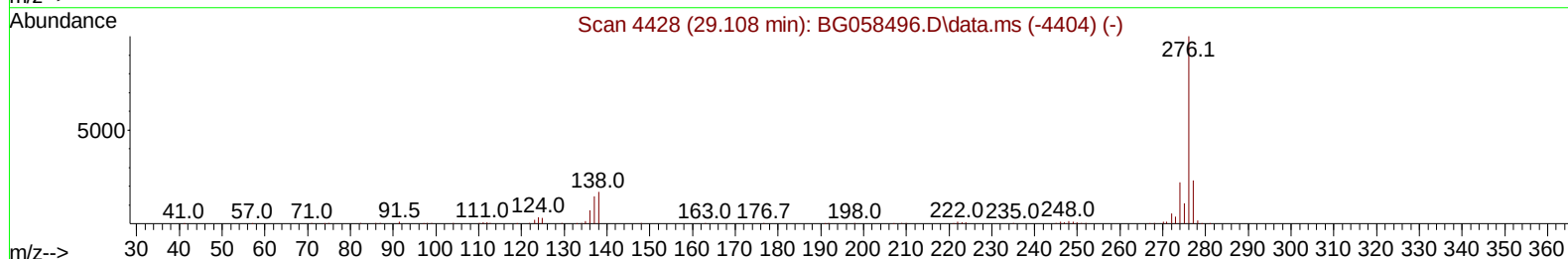
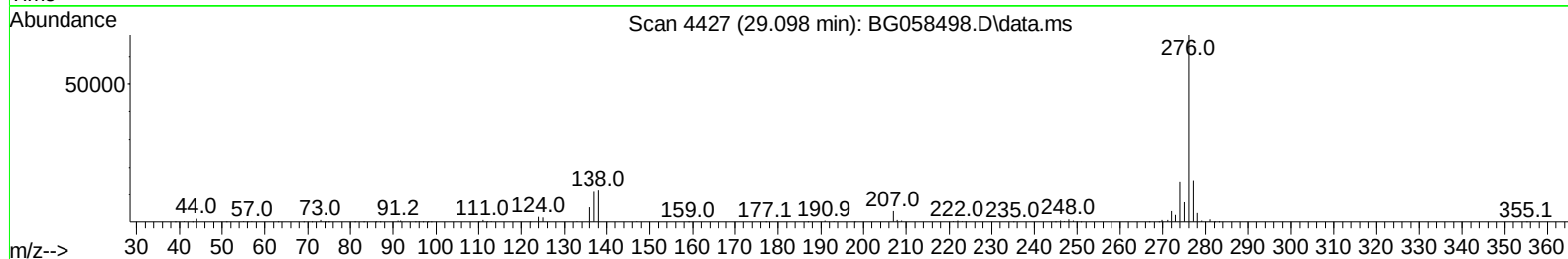
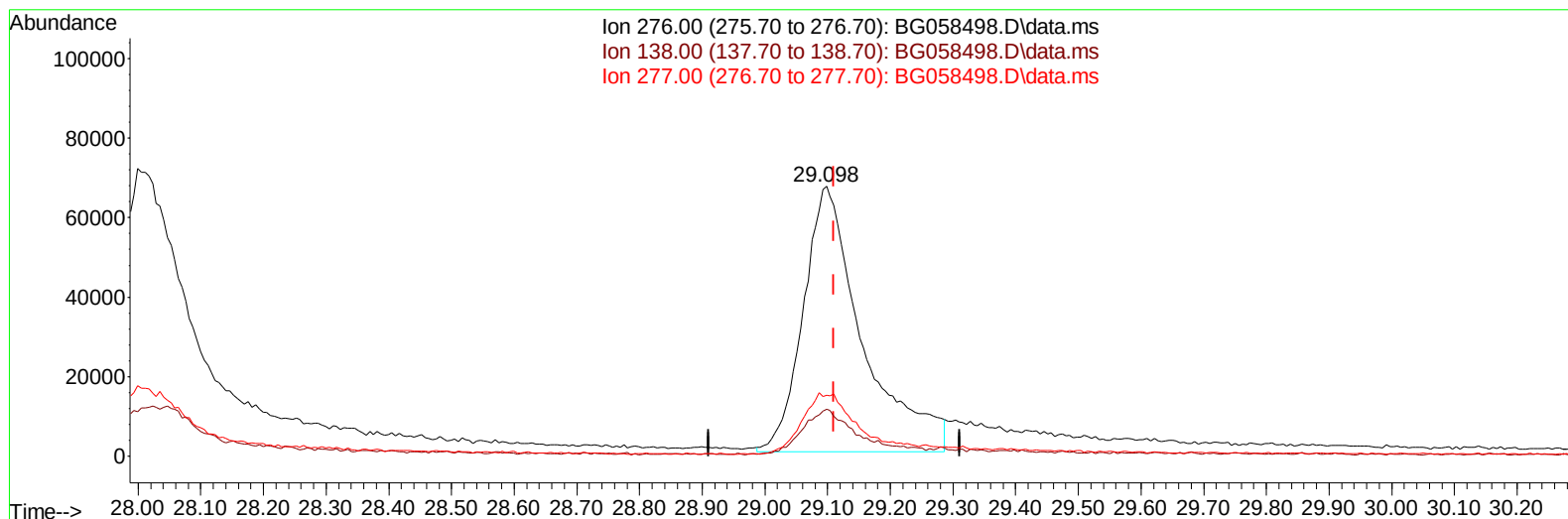
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072723\
Data File : BG058498.D
Acq On : 27 Jul 2023 12:48
Operator : MA/JU
Sample : PB154055BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS055

Manual IntegrationsAPPROVED

Quant Time: Jul 28 01:15:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
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Reviewed By :Yogesh Patel 07/28/2023
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TIC: BG058498.D\data.ms

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

29.098min (-0.012) 22.99 ng/ul m

response 440382

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.90	17.42
277.00	24.30	22.48
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072723\
 Data File : BG058498.D
 Acq On : 27 Jul 2023 12:48
 Operator : MA/JU
 Sample : PB154055BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS055

Manual IntegrationsAPPROVED

Quant Time: Jul 28 01:16:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 26 17:43:09 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	49553	20.000	ng/ul	0.00
20) Naphthalene-d8	10.620	136	210088	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.462	164	145095	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.206	188	350936	20.000	ng/ul	0.00
79) Chrysene-d12	21.448	240	305460	20.000	ng/ul	0.00
88) Perylene-d12	24.515	264	346713	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	8570m	6.366	ng/uL	0.00
4) Pyridine-d5	3.652	84	65991	16.514	ng/ul	0.00
7) Phenol-d5	6.983	99	136611	29.061	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.148	67	87553	29.799	ng/ul	0.00
11) 2-Chlorophenol-d4	7.347	132	101765	30.927	ng/ul	0.00
15) 4-Methylphenol-d8	8.528	113	101817	28.396	ng/ul	0.00
21) Nitrobenzene-d5	8.981	128	49946	31.717	ng/ul	0.00
24) 2-Nitrophenol-d4	9.703	143	57216	33.281	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.244	165	102937	31.235	ng/ul	0.00
31) 4-Chloroaniline-d4	10.755	131	43957	9.201	ng/ul	0.00
46) Dimethylphthalate-d6	13.869	166	333025	29.765	ng/ul	0.00
49) Acenaphthylene-d8	14.157	160	379296	32.349	ng/ul	0.00
54) 4-Nitrophenol-d4	14.674	143	48024	28.421	ng/ul	0.00
60) Fluorene-d10	15.455	176	296436	32.001	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.585	200	52994	29.639	ng/ul	0.00
73) Anthracene-d10	17.306	188	485861	32.042	ng/ul	0.00
81) Pyrene-d10	19.598	212	587214	32.548	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.310	264	578596	34.527	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.276	88	17044	11.161	ng/ul#	95
5) Pyridine	3.669	79	112457	26.648	ng/ul	95
6) Benzaldehyde	6.954	77	58114m	30.612	ng/ul	
8) Phenol	7.012	94	136805	28.024	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.236	93	105335	28.166	ng/ul	99
12) 2-Chlorophenol	7.377	128	100602	29.208	ng/ul	99
13) 2-Methylphenol	8.264	108	105397	27.702	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.340	45	170982m	27.899	ng/ul	
16) Acetophenone	8.640	105	166790	27.315	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.622	70	86303	25.824	ng/ul	98
18) 4-Methylphenol	8.593	108	114667	27.732	ng/ul	97
19) Hexachloroethane	8.893	117	40335	29.709	ng/ul	90
22) Nitrobenzene	9.022	77	123509	29.411	ng/ul	99
23) Isophorone	9.539	82	254349	27.015	ng/ul	100
25) 2-Nitrophenol	9.733	139	56832	30.949	ng/ul	97
26) 2,4-Dimethylphenol	9.791	107	110258	26.928	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.026	93	143934	28.866	ng/ul	97
29) 2,4-Dichlorophenol	10.267	162	95856	30.645	ng/ul	98
30) Naphthalene	10.667	128	332395	29.600	ng/ul	99
32) 4-Chloroaniline	10.779	127	83221	17.043	ng/ul	98
33) Hexachlorobutadiene	10.949	225	72626	32.471	ng/ul	99
34) Caprolactam	11.531	113	35640m	27.433	ng/ul	
35) 4-Chloro-3-methylphenol	11.913	107	115311	28.967	ng/ul	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072723\
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 Misc :
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Manual IntegrationsAPPROVED

Quant Time: Jul 28 01:16:17 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.283	142	220198	29.268	ng/ul	96
37) 1-Methylnaphthalene	12.500	142	226915	29.428	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.653	216	134184	31.947	ng/ul	100
40) Hexachlorocyclopentadiene	12.629	237	41974	18.580	ng/ul	97
41) 2,4,6-Trichlorophenol	12.894	196	77938	27.411	ng/ul	99
42) 2,4,5-Trichlorophenol	12.970	196	84447	27.852	ng/ul	97
43) 1,1'-Biphenyl	13.293	154	293080	29.872	ng/ul	97
44) 2-Chloronaphthalene	13.340	162	241112	30.909	ng/ul	98
45) 2-Nitroaniline	13.546	65	84294	31.109	ng/ul	97
47) Dimethylphthalate	13.916	163	314209	27.958	ng/ul	99
48) 2,6-Dinitrotoluene	14.045	165	68808	31.684	ng/ul	93
50) Acenaphthylene	14.186	152	381422	30.136	ng/ul	100
51) 3-Nitroaniline	14.374	138	63203	34.922	ng/ul#	93
52) Acenaphthene	14.527	153	261715	29.783	ng/ul	98
53) 2,4-Dinitrophenol	14.592	184	22438	19.413	ng/ul	92
55) 4-Nitrophenol	14.692	109	33163	25.484	ng/ul	92
56) Dibenzofuran	14.862	168	376677	30.104	ng/ul	97
57) 2,4-Dinitrotoluene	14.833	165	99741	31.843	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.091	232	67058	23.939	ng/ul#	98
59) Diethylphthalate	15.279	149	327653	28.300	ng/ul	100
61) Fluorene	15.514	166	306622	29.882	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.502	204	164974	30.285	ng/ul	97
63) 4-Nitroaniline	15.538	138	65089m	39.746	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.596	198	50129	27.251	ng/ul	98
67) N-Nitrosodiphenylamine	15.720	169	260017	29.890	ng/ul	98
68) 4-Bromophenyl-phenylether	16.395	248	116672	31.388	ng/ul	98
69) Hexachlorobenzene	16.513	284	132069	31.488	ng/ul	98
71) Pentachlorophenol	16.866	266	41140m	17.474	ng/ul	
72) Phenanthrene	17.247	178	506235	30.355	ng/ul	98
74) Anthracene	17.341	178	500298	29.882	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.258	216	136555	31.022	ng/uL	97
76) Pentachlorobenzene	14.786	250	145742	30.277	ng/uL	97
77) Carbazole	17.612	167	460452	31.727	ng/ul	99
78) Di-n-butylphthalate	18.164	149	591245	32.060	ng/ul	99
80) Fluoranthene	19.263	202	632022	30.579	ng/ul	99
82) Pyrene	19.627	202	640094	30.565	ng/ul	99
83) Butylbenzylphthalate	20.514	149	267646	32.456	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.349	252	208721	30.610	ng/ul	98
85) Benzo(a)anthracene	21.431	228	651499	31.732	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.337	149	369258	31.482	ng/ul	98
87) Chrysene	21.495	228	616261	31.644	ng/ul	99
89) Di-n-octyl phthalate	22.488	149	666790	36.145	ng/ul	100
90) Benzo(b)fluoranthene	23.546	252	647685	32.287	ng/ul	100
91) Benzo(k)fluoranthene	23.605	252	678124	33.894	ng/ul	99
93) Benzo(a)pyrene	24.374	252	579452	32.476	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.000	276	602661m	25.636	ng/ul	
95) Dibenzo(a,h)anthracene	28.058	278	493327m	25.591	ng/ul	
96) Benzo(g,h,i)perylene	29.098	276	440382m	22.993	ng/ul	

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

