

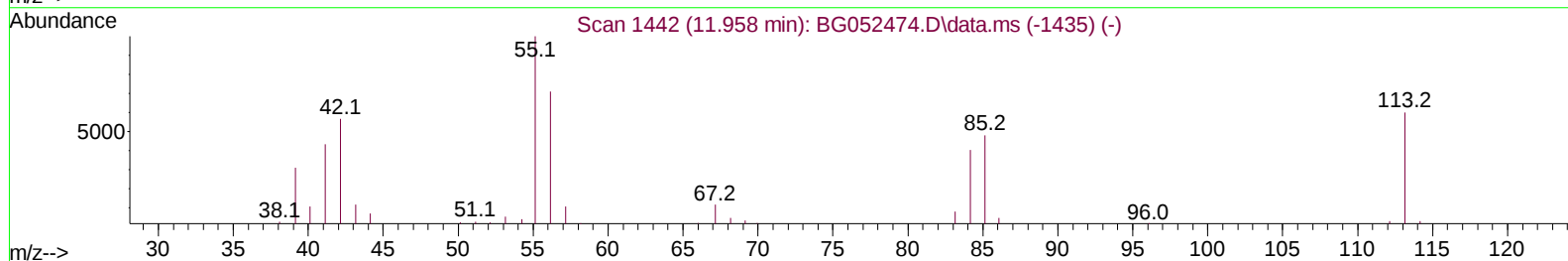
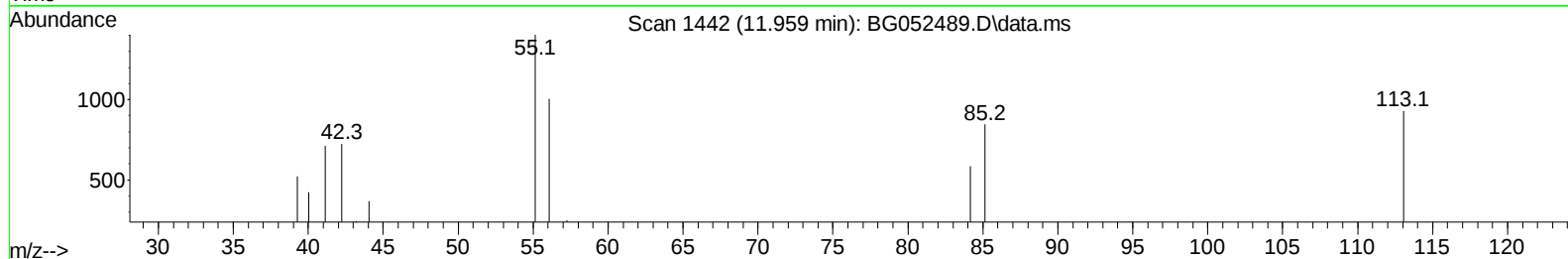
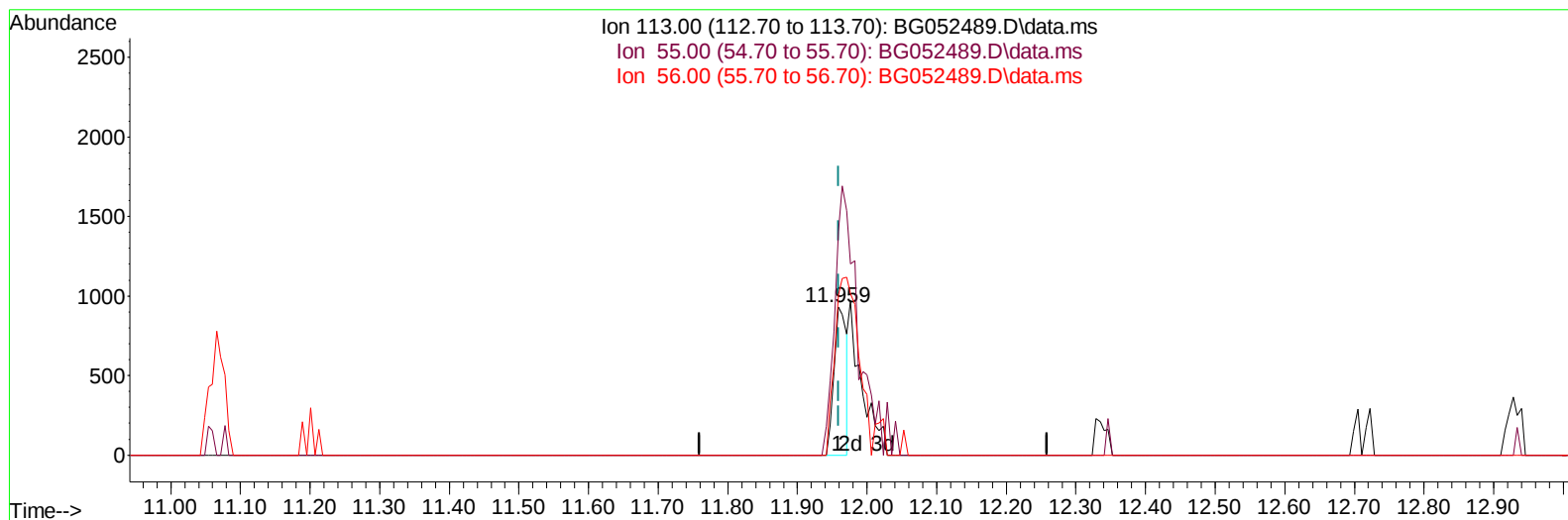
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
 Data File : BG052489.D
 Acq On : 25 Feb 2022 15:14
 Operator : CG/JU
 Sample : N1331-04
 Misc : SFAM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT1-2022-02

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/25/2022
 Supervised By :mohammad ahmed 03/02/2022

Quant Time: Feb 25 15:59:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 22 17:32:12 2022
 Response via : Initial Calibration



TIC: BG052489.D\data.ms

(34) Caprolactam

11.959min (-0.001) 1.91 ng/ul

response 1158

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	183.80	151.13
56.00	136.50	108.18#
0.00	0.00	0.00

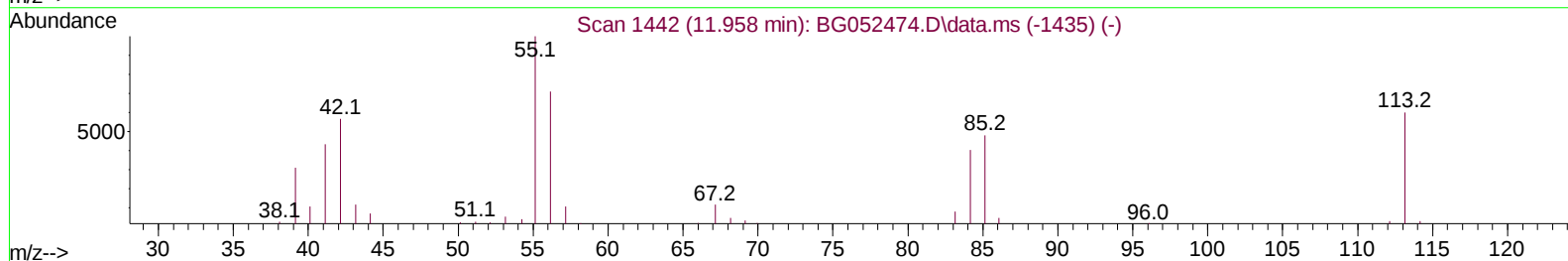
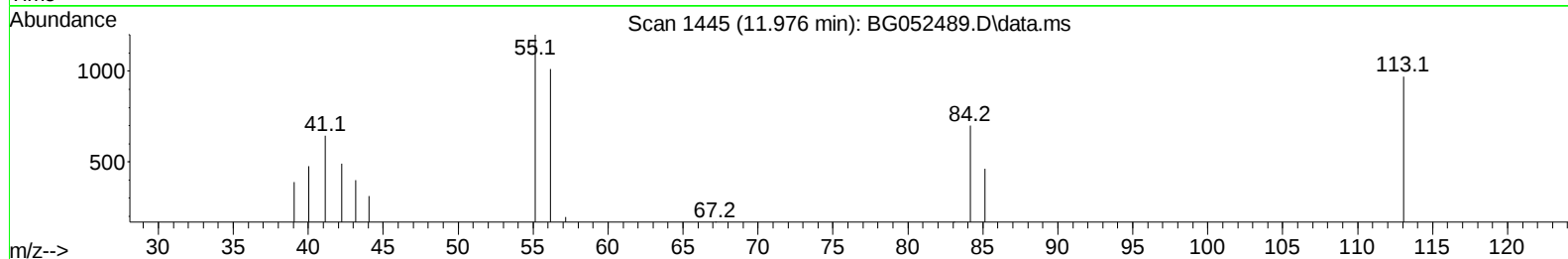
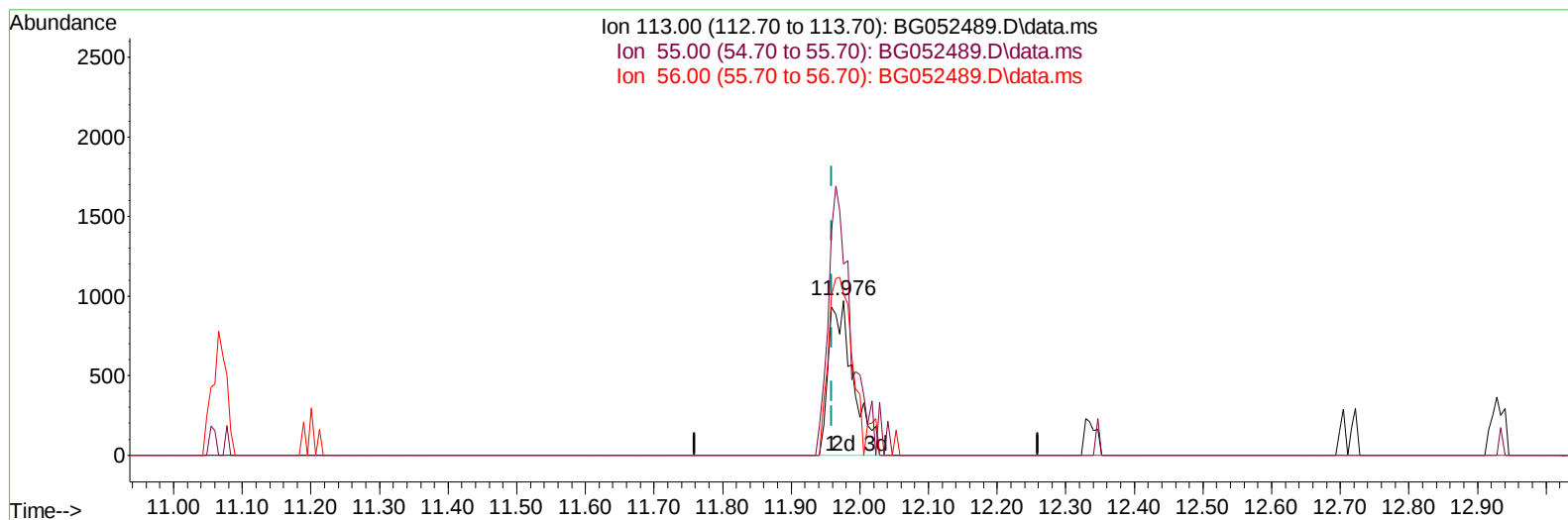
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
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 Response via : Initial Calibration



TIC: BG052489.D\data.ms

(34) Caprolactam

11.976min (+ 0.017) 3.98 ng/ul m

response 2411

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	183.80	123.69#
56.00	136.50	104.33#
0.00	0.00	0.00

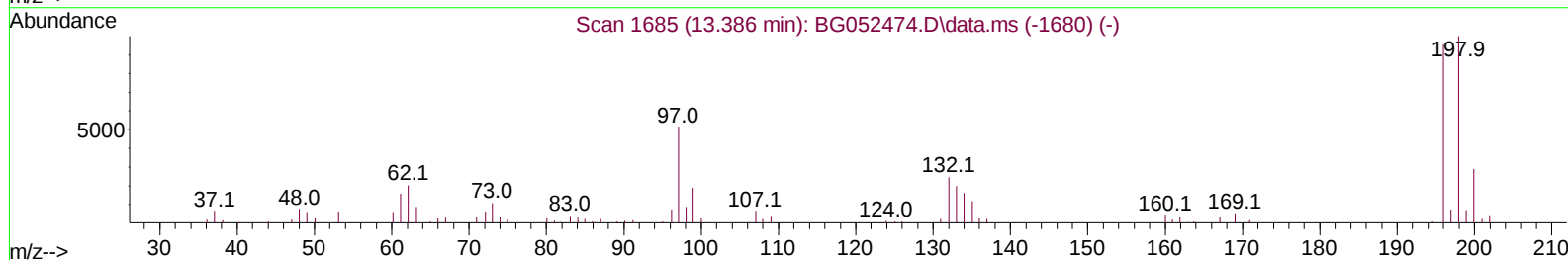
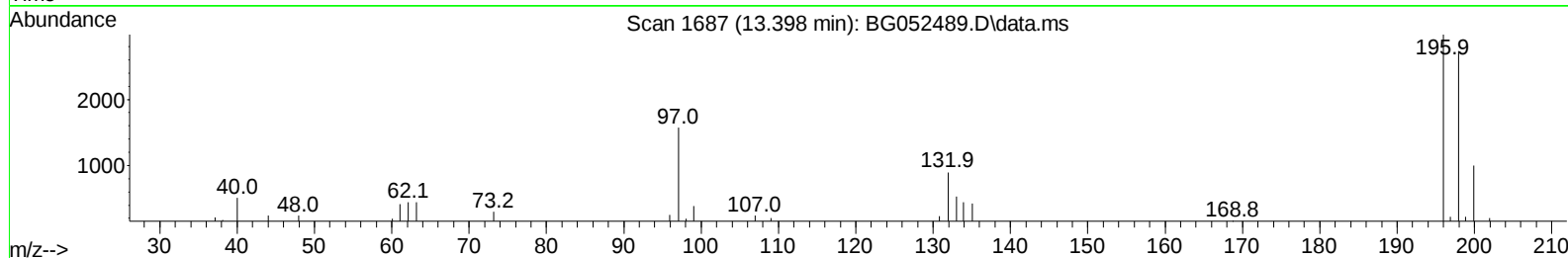
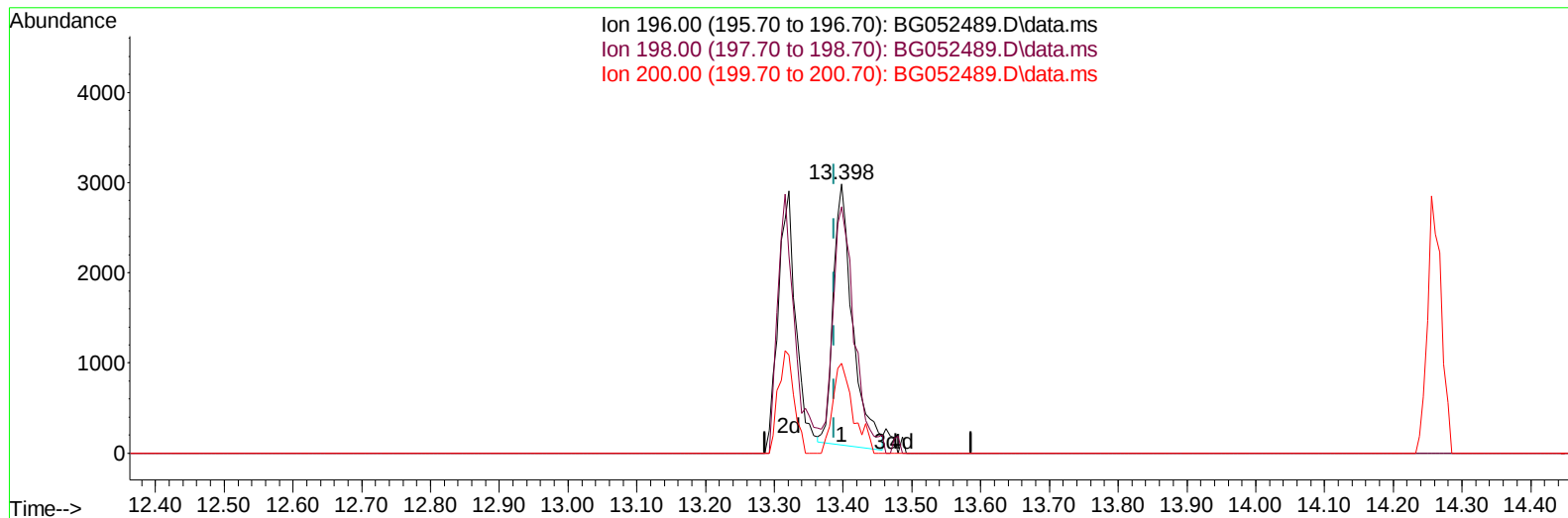
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
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Instrument :
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TIC: BG052489.D\data.ms

(42) 2,4,5-Trichlorophenol

13.398min (+ 0.011) 3.38 ng/u1

response 5673

Ion	Exp%	Act%
196.00	100.00	100.00
198.00	96.20	91.59
200.00	31.80	33.49
0.00	0.00	0.00

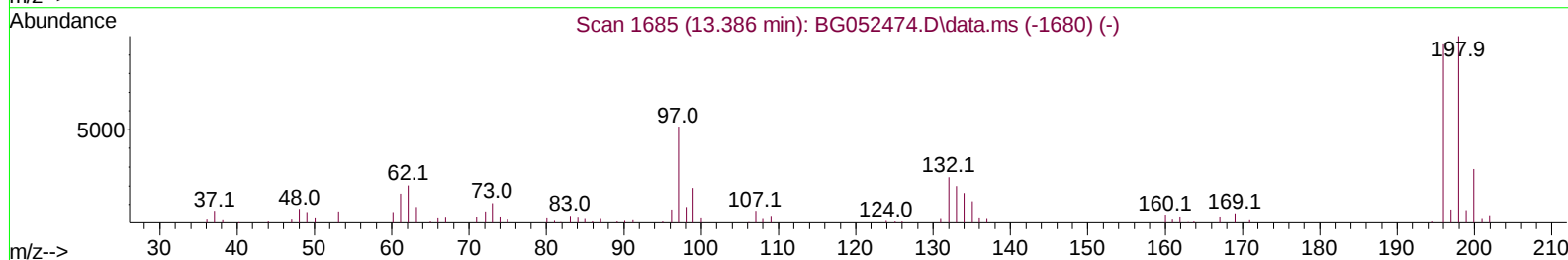
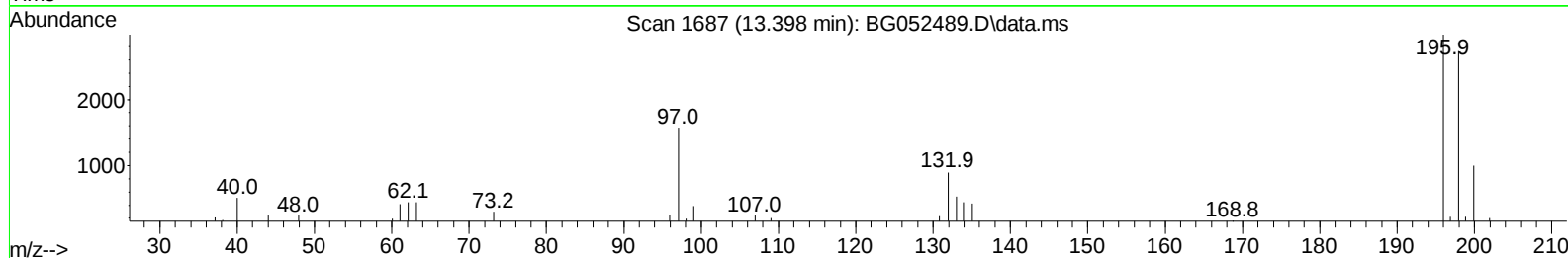
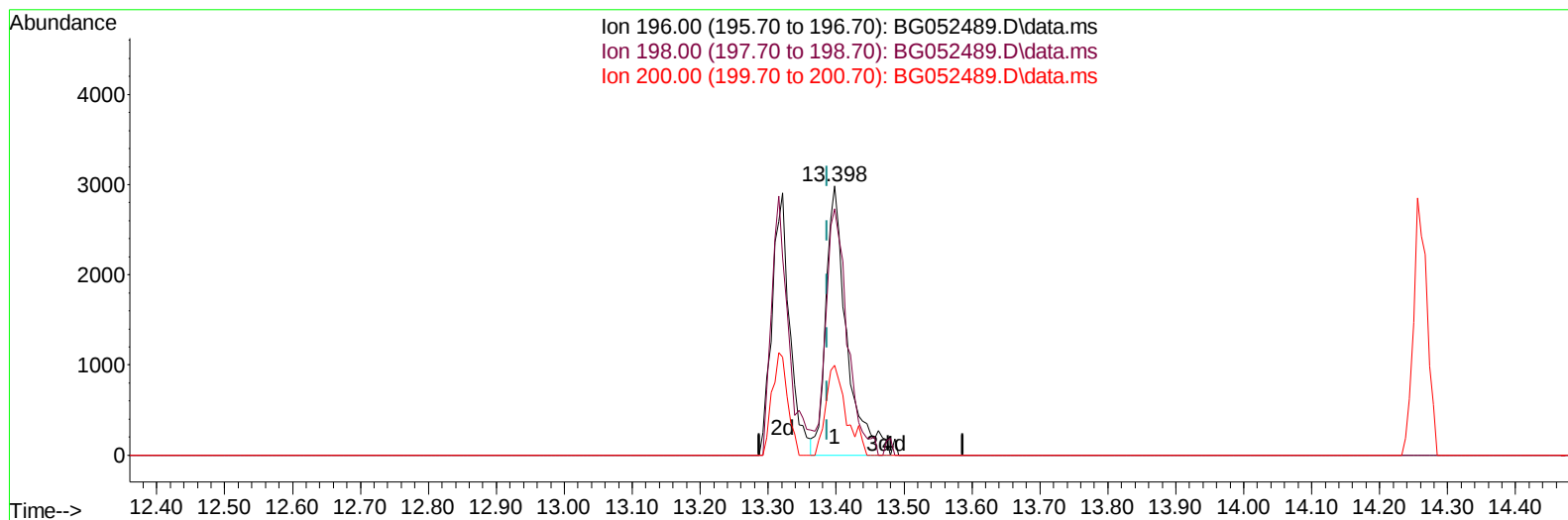
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
Data File : BG052489.D
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Operator : CG/JU
Sample : N1331-04
Misc : SFAM-MDL-SOIL02
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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TIC: BG052489.D\data.ms

(42) 2,4,5-Trichlorophenol

13.398min (+ 0.011) 3.77 ng/ul m

response 6340

Ion	Exp%	Act%
196.00	100.00	100.00
198.00	96.20	91.59
200.00	31.80	33.49
0.00	0.00	0.00

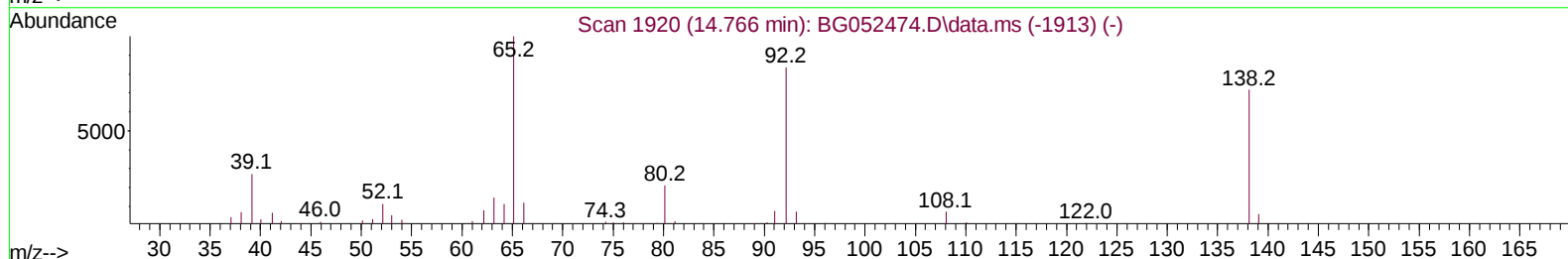
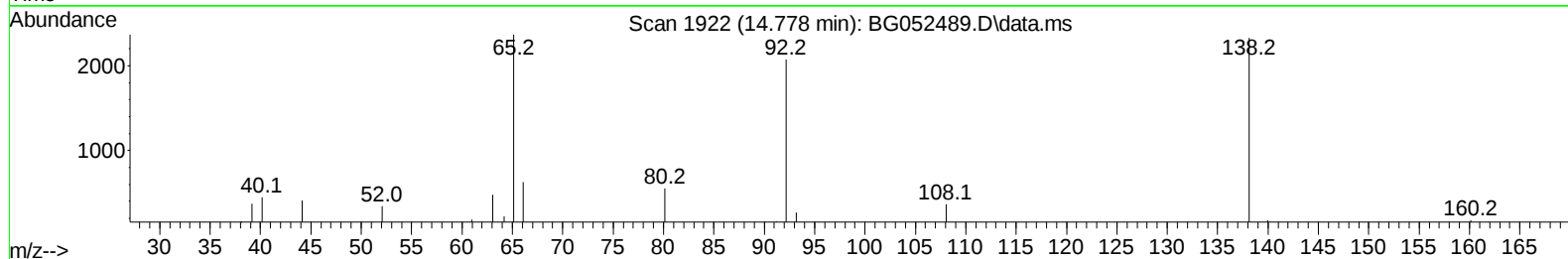
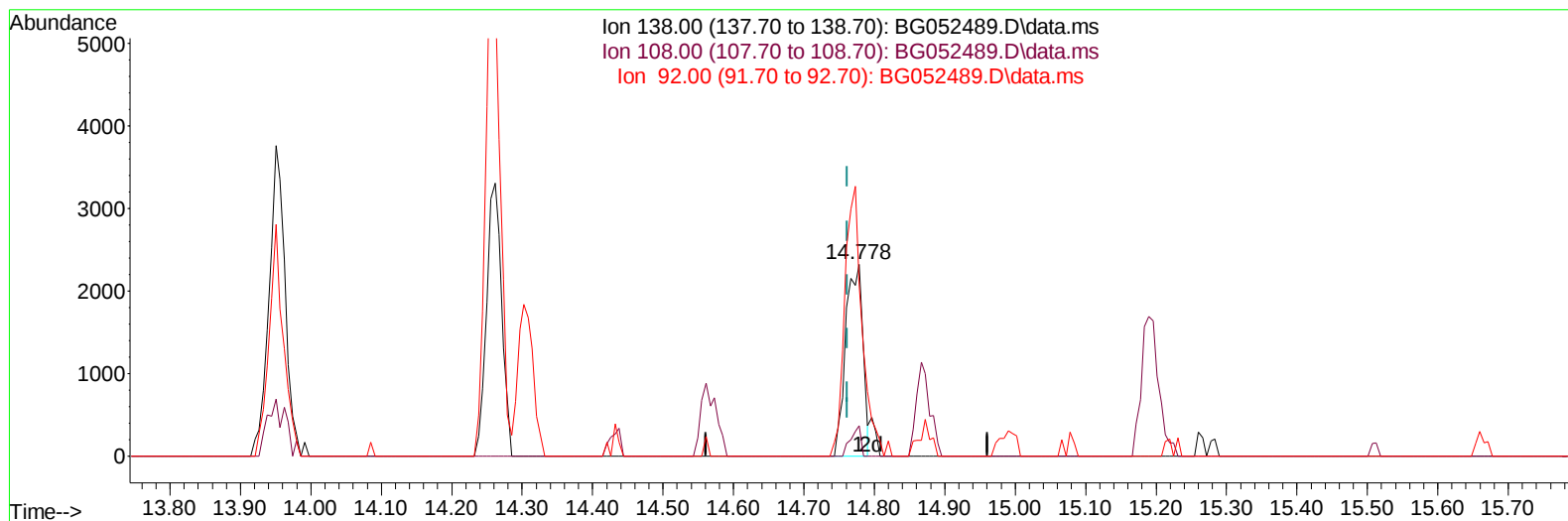
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TIC: BG052489.D\data.ms

(51) 3-Nitroaniline

14.778min (+ 0.017) 3.67 ng/ul

response 3897

Ion	Exp%	Act%
138.00	100.00	100.00
108.00	11.00	15.82#
92.00	122.50	89.17#
0.00	0.00	0.00

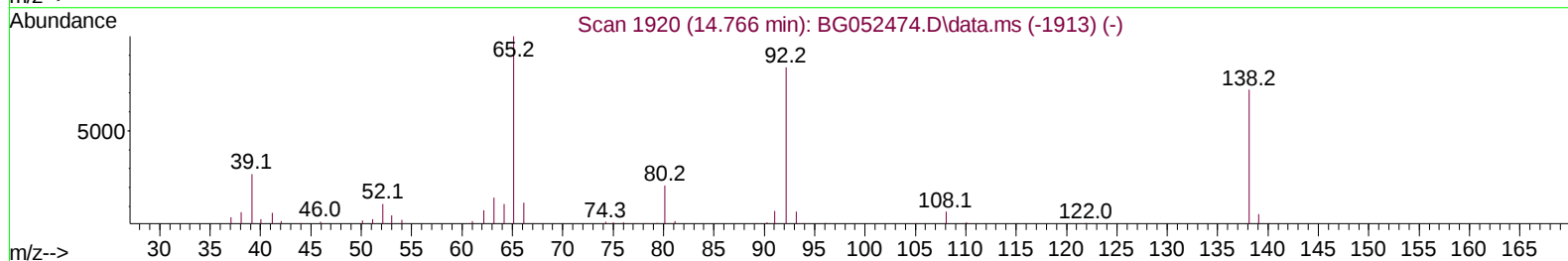
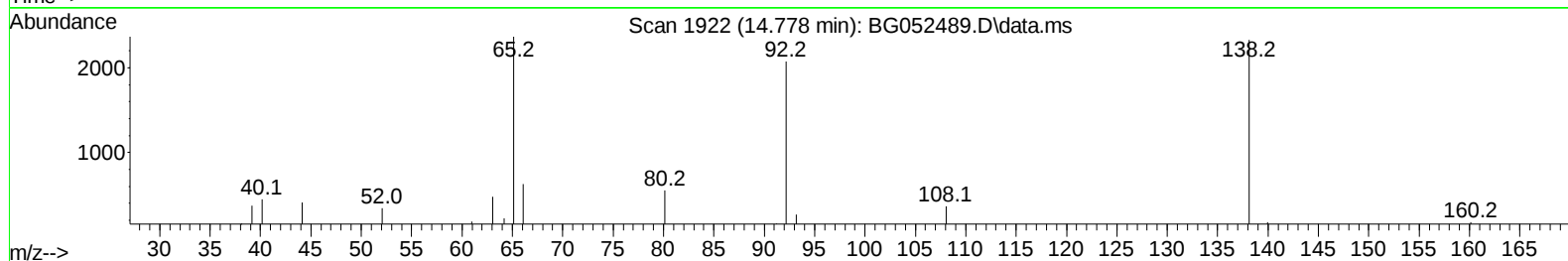
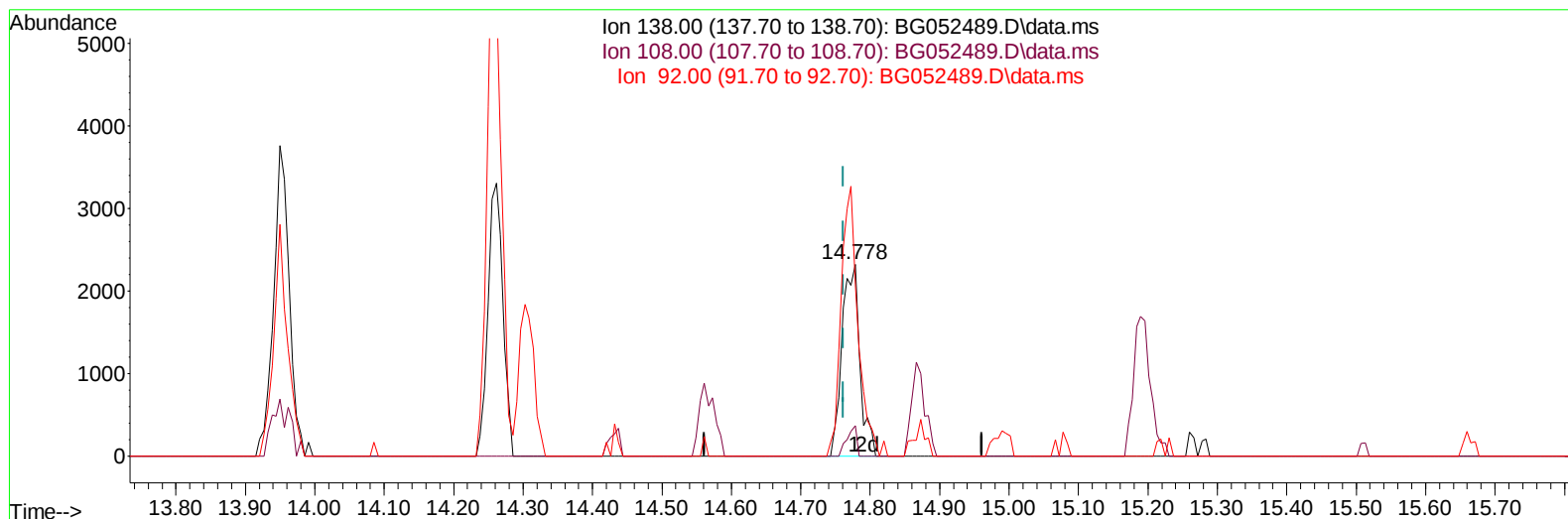
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
Data File : BG052489.D
Acq On : 25 Feb 2022 15:14
Operator : CG/JU
Sample : N1331-04
Misc : SFAM-MDL-SOIL02
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT1-2022-02

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 03/02/2022

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG052489.D\data.ms

(51) 3-Nitroaniline

14.778min (+ 0.017) 3.92 ng/ul m

response 4165

Ion	Exp%	Act%
138.00	100.00	100.00
108.00	11.00	15.82#
92.00	122.50	89.17#
0.00	0.00	0.00

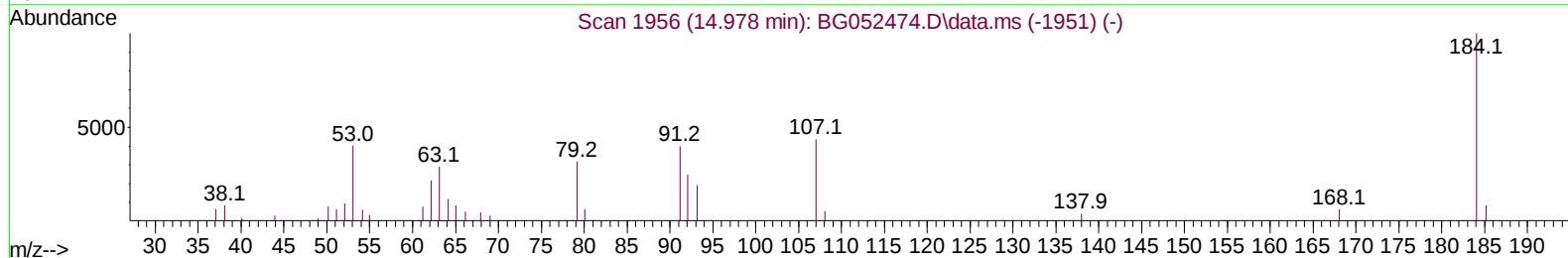
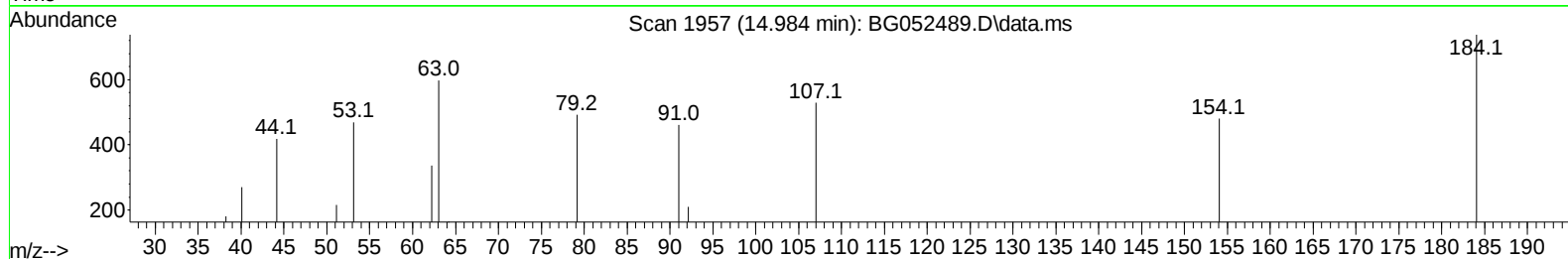
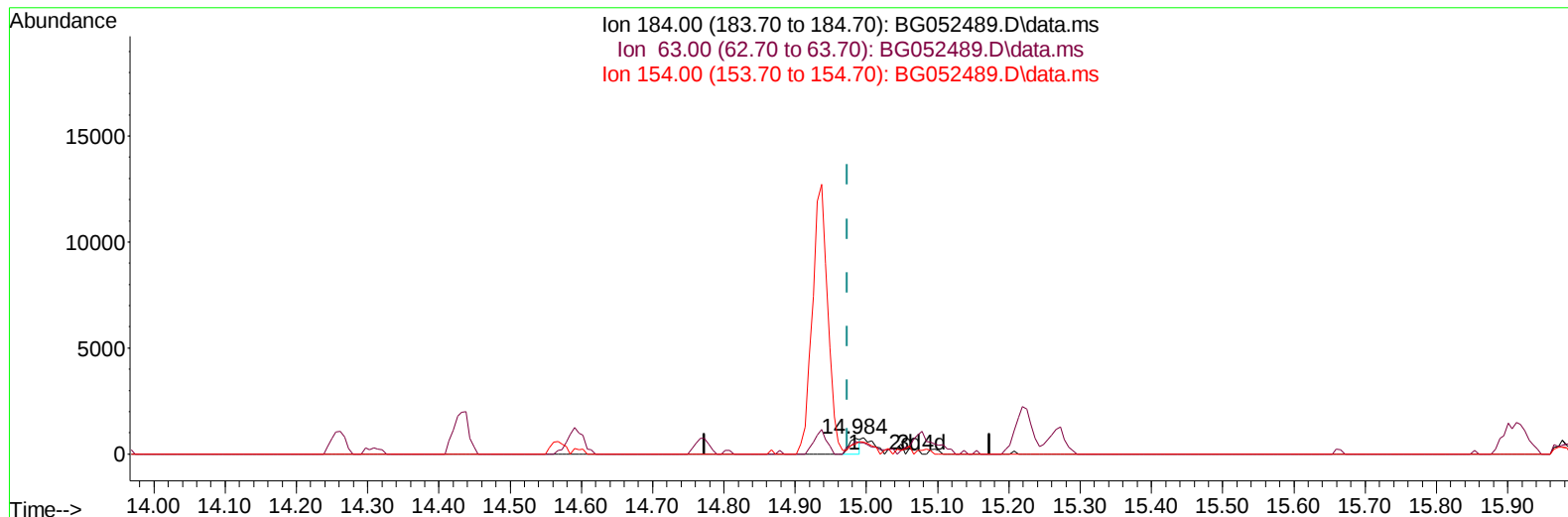
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BNA_G
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TIC: BG052489.D\data.ms

(53) 2,4-Dinitrophenol**14.984min (+ 0.011) 1.23 ng/ul****response 796**

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	82.70	81.03
154.00	67.00	65.04
0.00	0.00	0.00

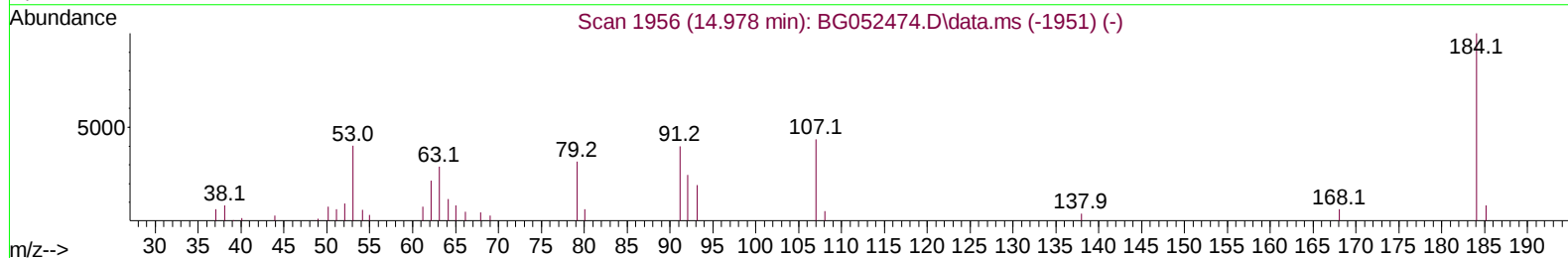
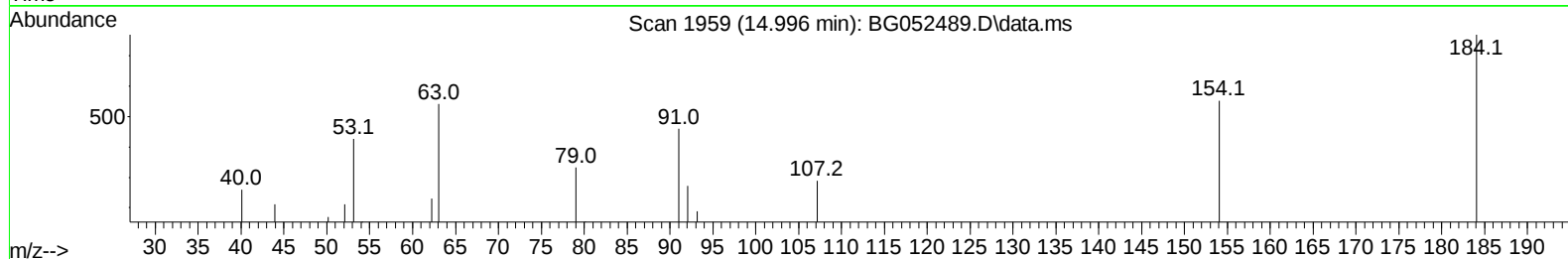
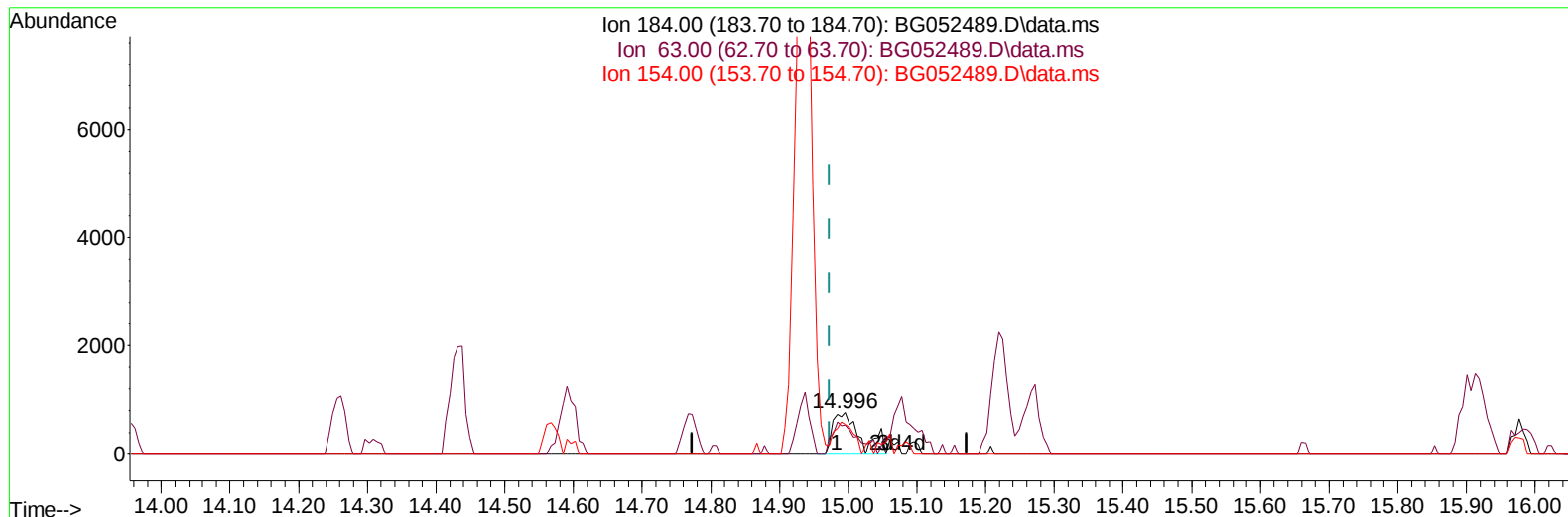
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
Data File : BG052489.D
Acq On : 25 Feb 2022 15:14
Operator : CG/JU
Sample : N1331-04
Misc : SFAM-MDL-SOIL02
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT1-2022-02

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/25/2022
Supervised By :mohammad ahmed 03/02/2022

Quant Time: Feb 25 15:59:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022222.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG052489.D\data.ms

(53) 2,4-Dinitrophenol

14.996min (+ 0.023) 3.34 ng/ul m

response 2153

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	82.70	70.31
154.00	67.00	71.88
0.00	0.00	0.00

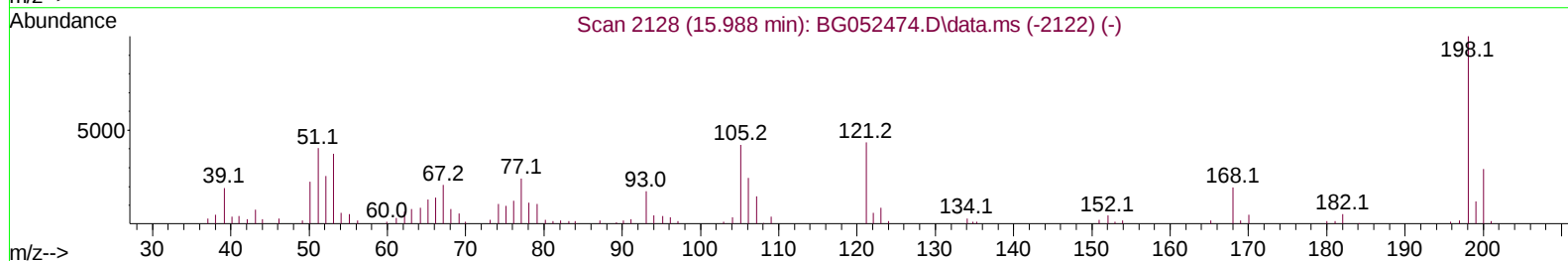
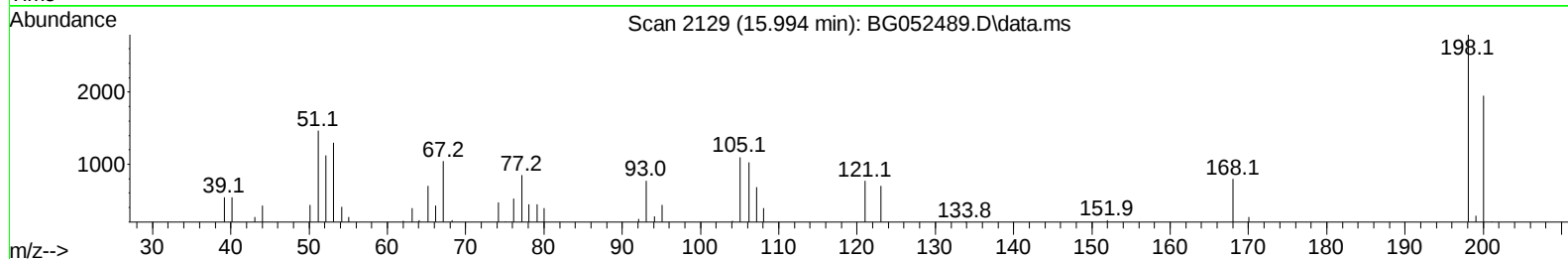
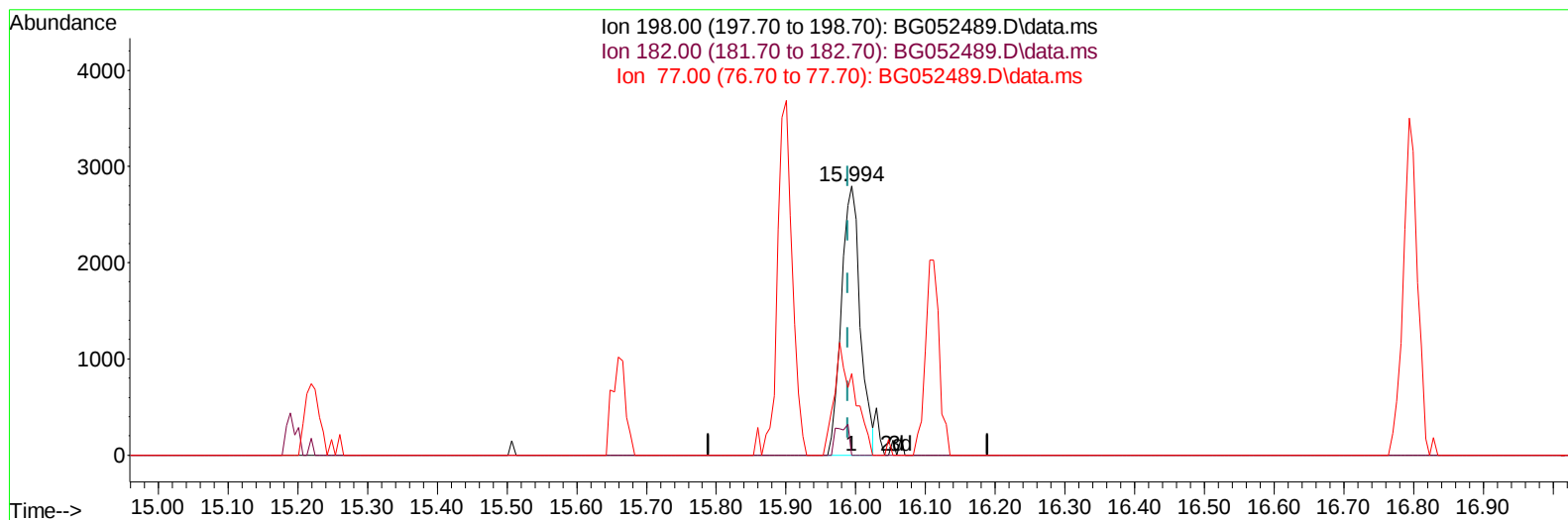
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
 Data File : BG052489.D
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 Operator : CG/JU
 Sample : N1331-04
 Misc : SFAM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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TIC: BG052489.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.994min (+ 0.005) 4.43 ng/ul

response 5229

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.80	0.00#
77.00	29.00	30.29
0.00	0.00	0.00

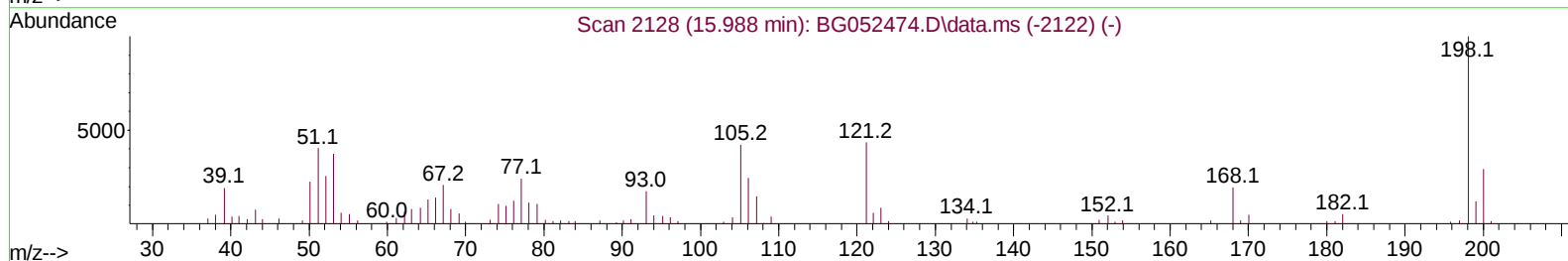
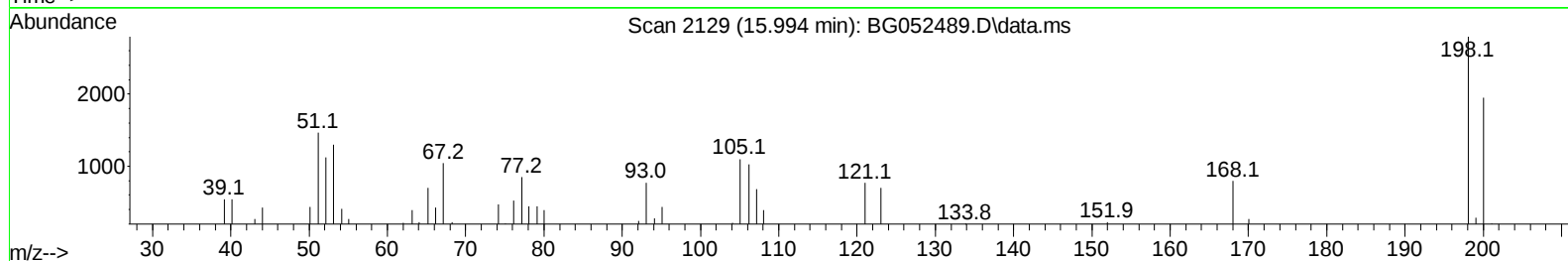
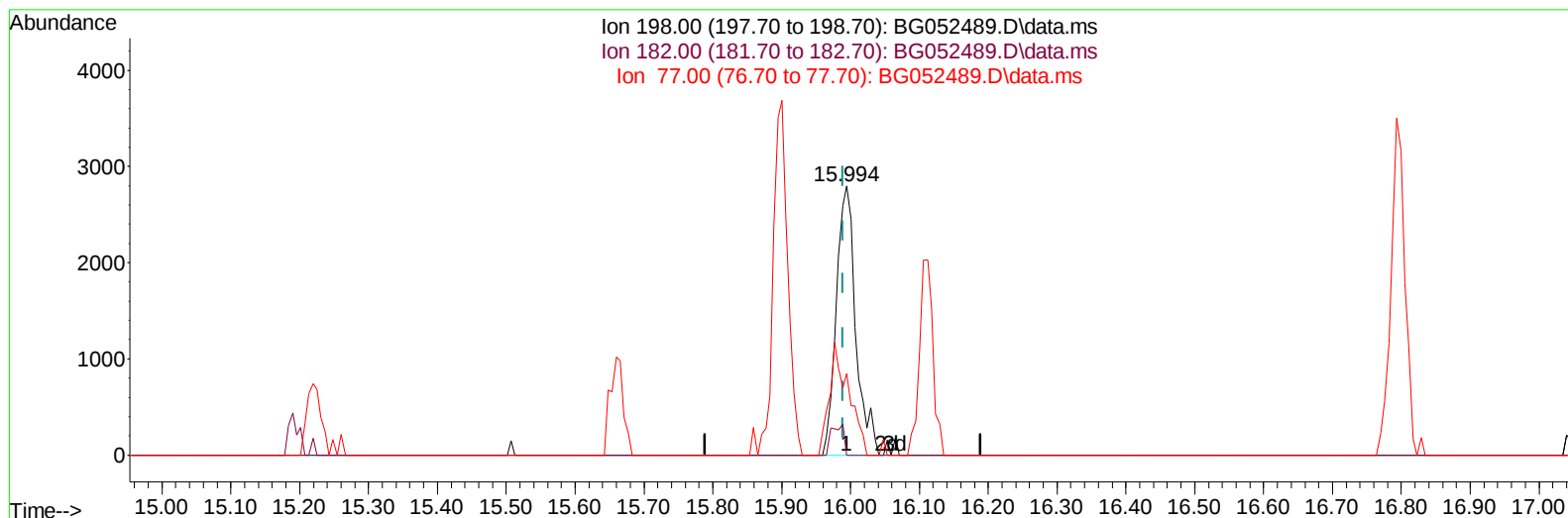
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
 Data File : BG052489.D
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 Sample : N1331-04
 Misc : SFAM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: BG052489.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.994min (+ 0.005) 4.63 ng/ul m

response 5460

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.80	0.00#
77.00	29.00	30.29
0.00	0.00	0.00

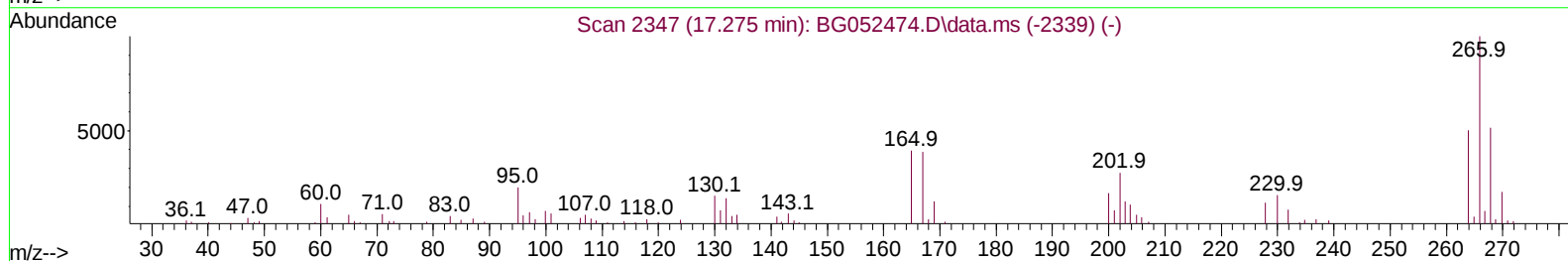
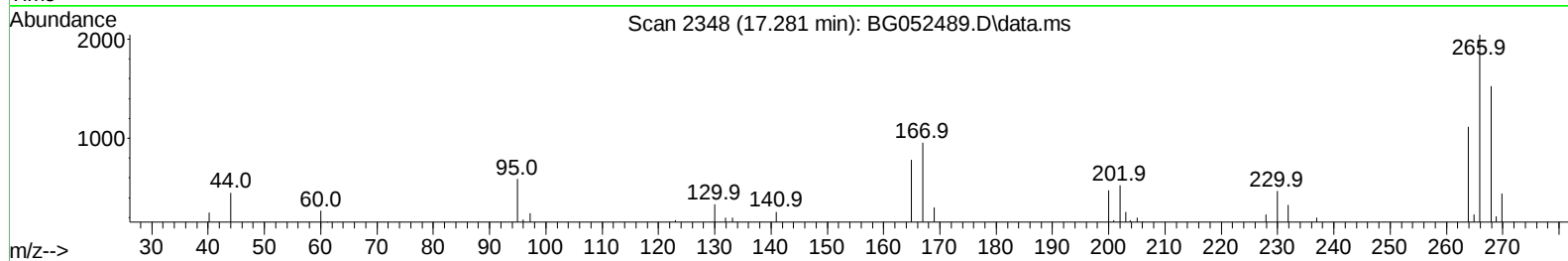
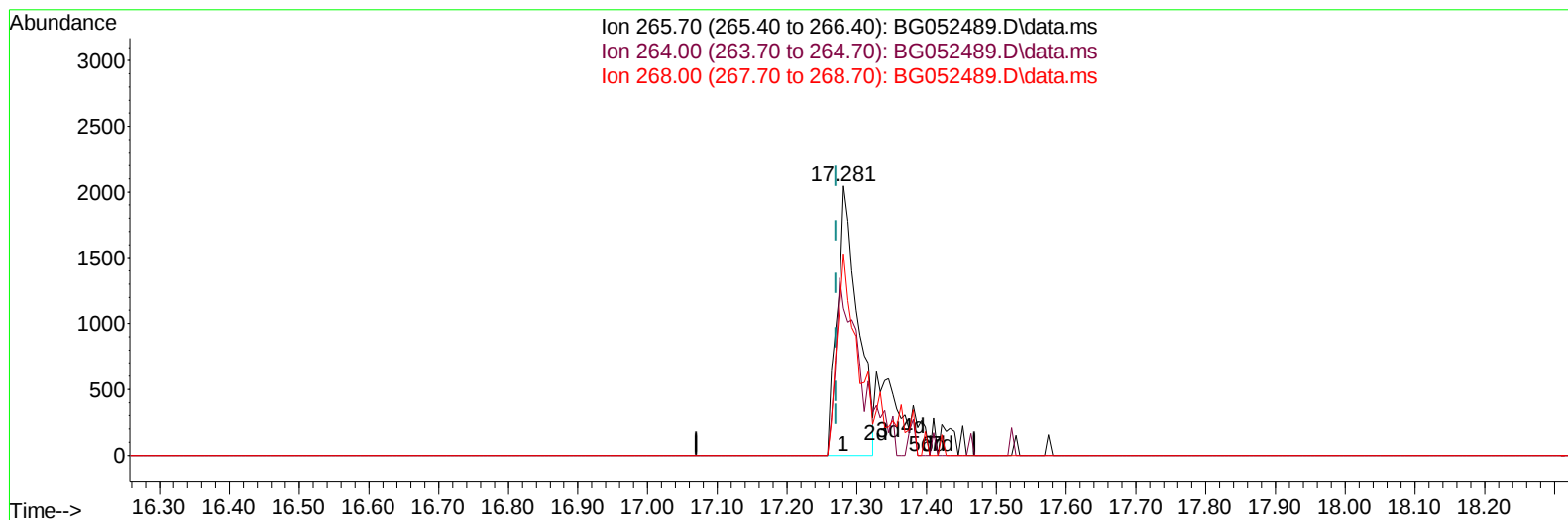
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TIC: BG052489.D\data.ms

(71) Pentachlorophenol (C)

17.281min (+ 0.011) 3.49 ng/u1

response 4159

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	67.90	54.57
268.00	63.80	74.77
0.00	0.00	0.00

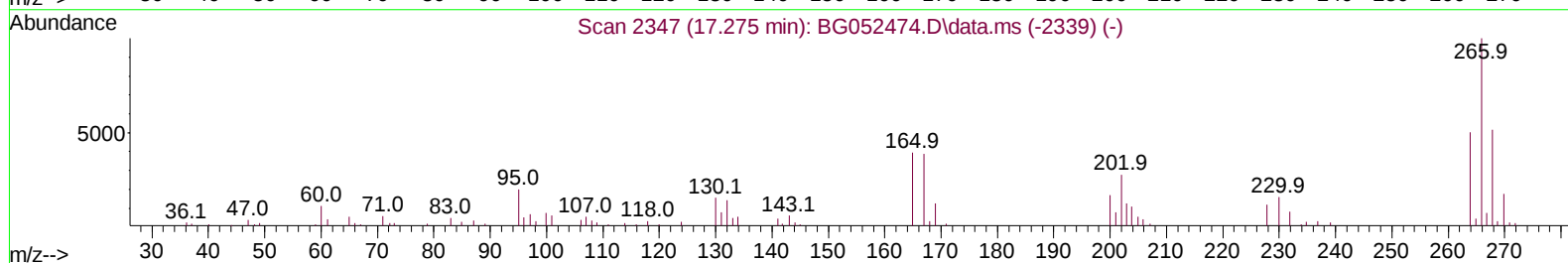
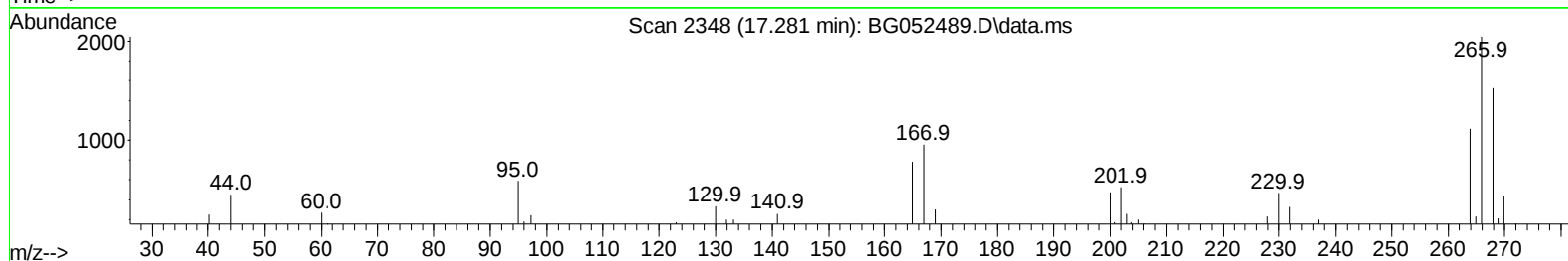
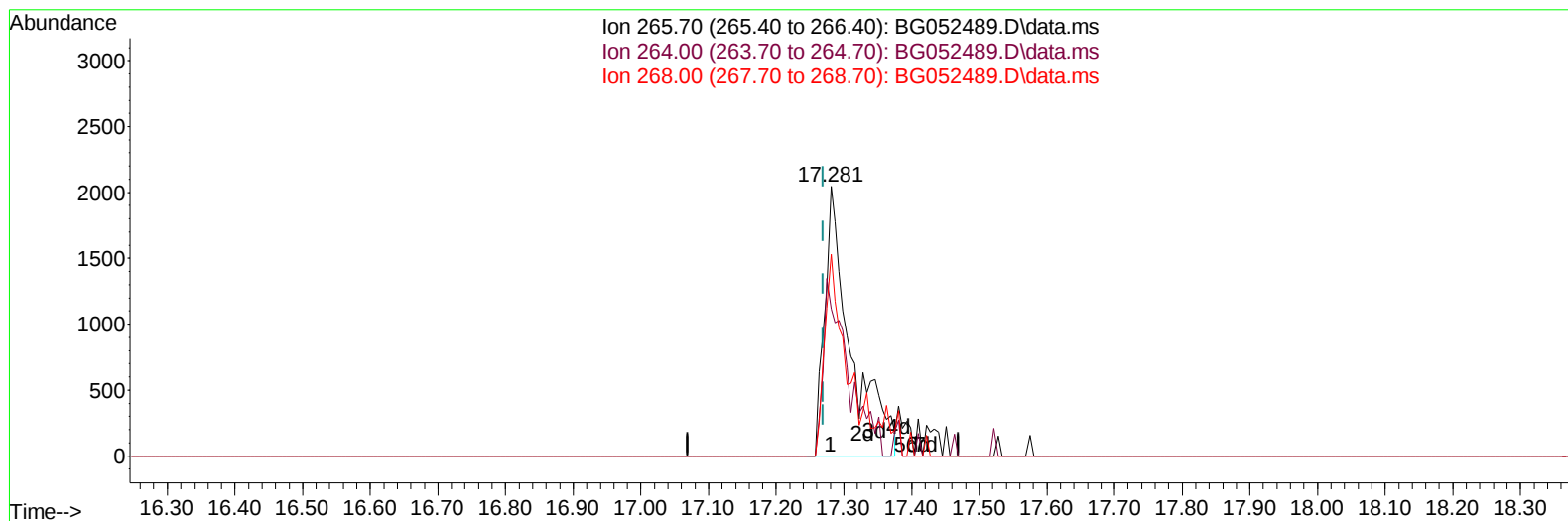
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
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Instrument :
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TIC: BG052489.D\data.ms

(71) Pentachlorophenol (C)

17.281min (+ 0.011) 4.63 ng/ul m

response 5513

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	67.90	54.57
268.00	63.80	74.77
0.00	0.00	0.00

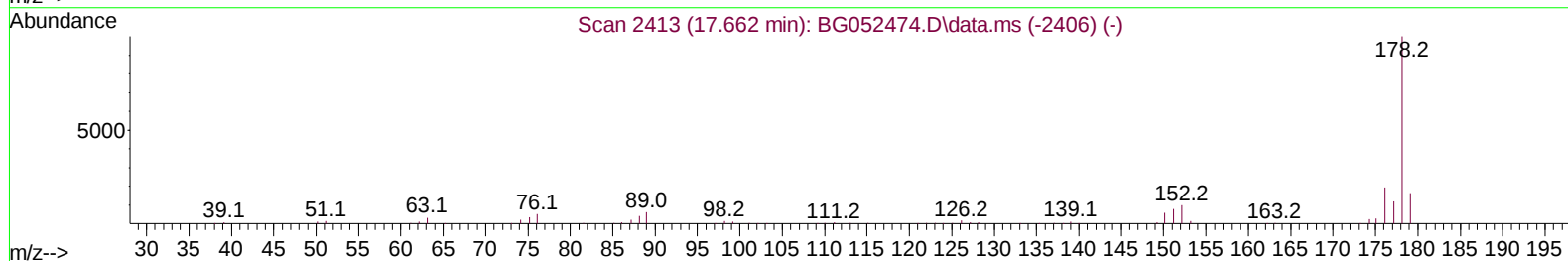
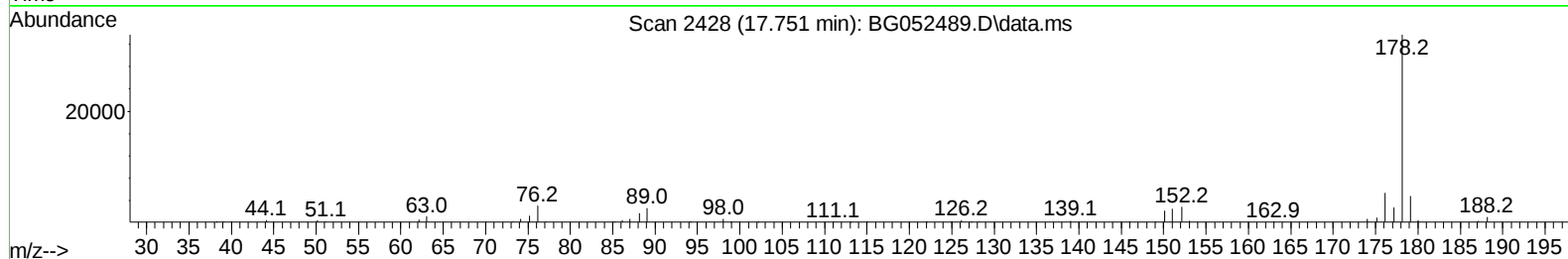
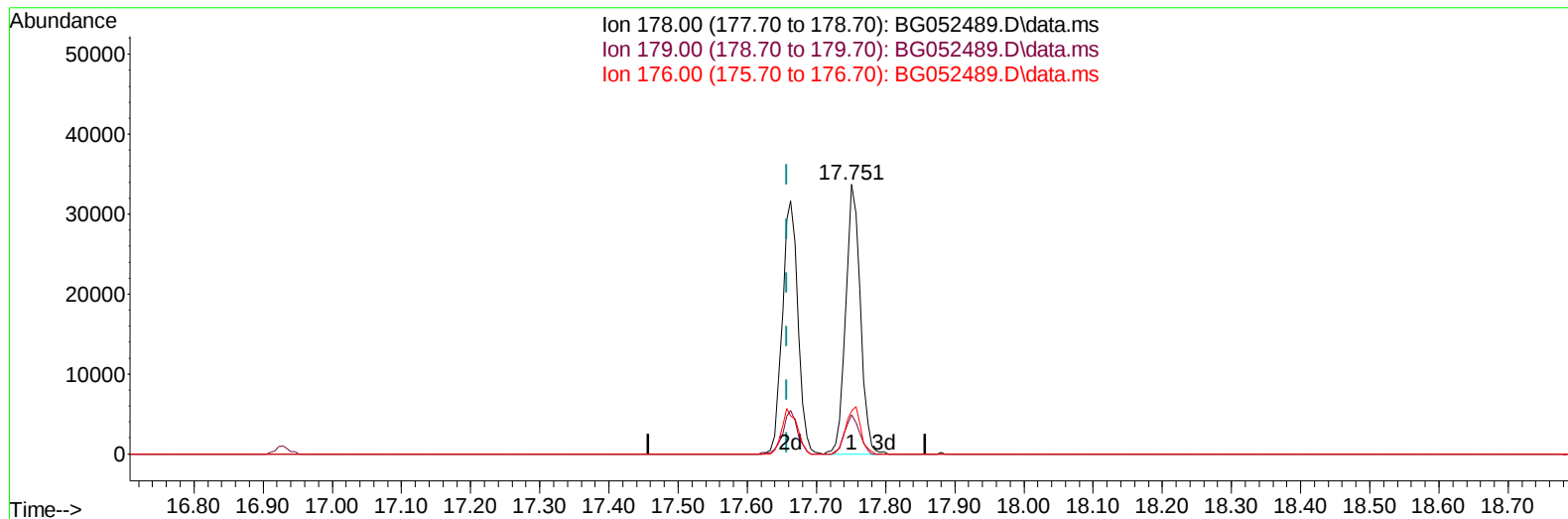
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 ALS Vial : 6 Sample Multiplier: 1

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TIC: BG052489.D\data.ms

(72) Phenanthrene

17.751min (+ 0.093) 4.79 ng/u1

response 49499

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	14.45
176.00	19.40	15.91
0.00	0.00	0.00

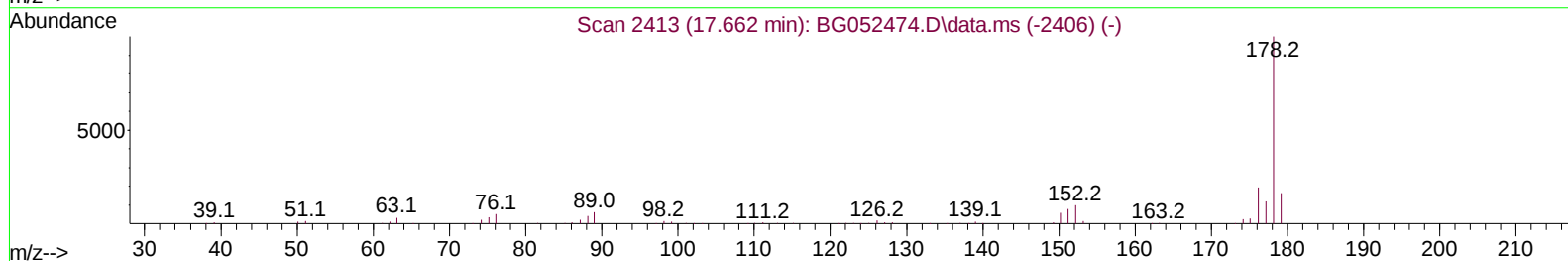
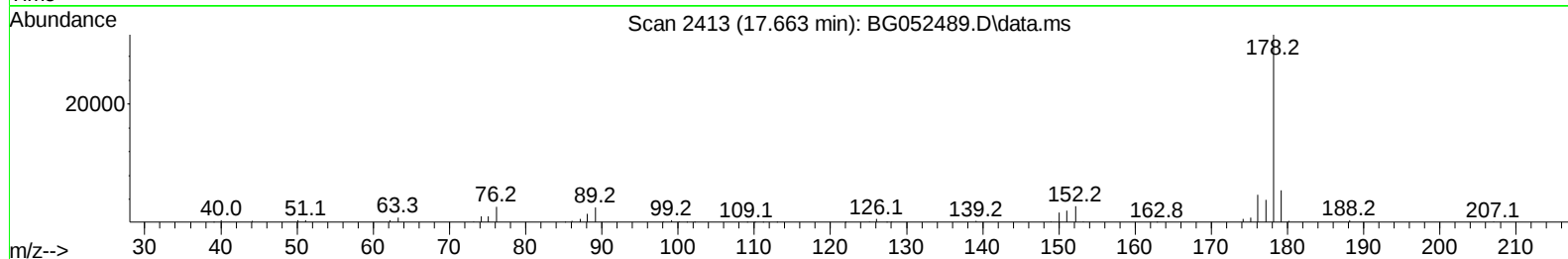
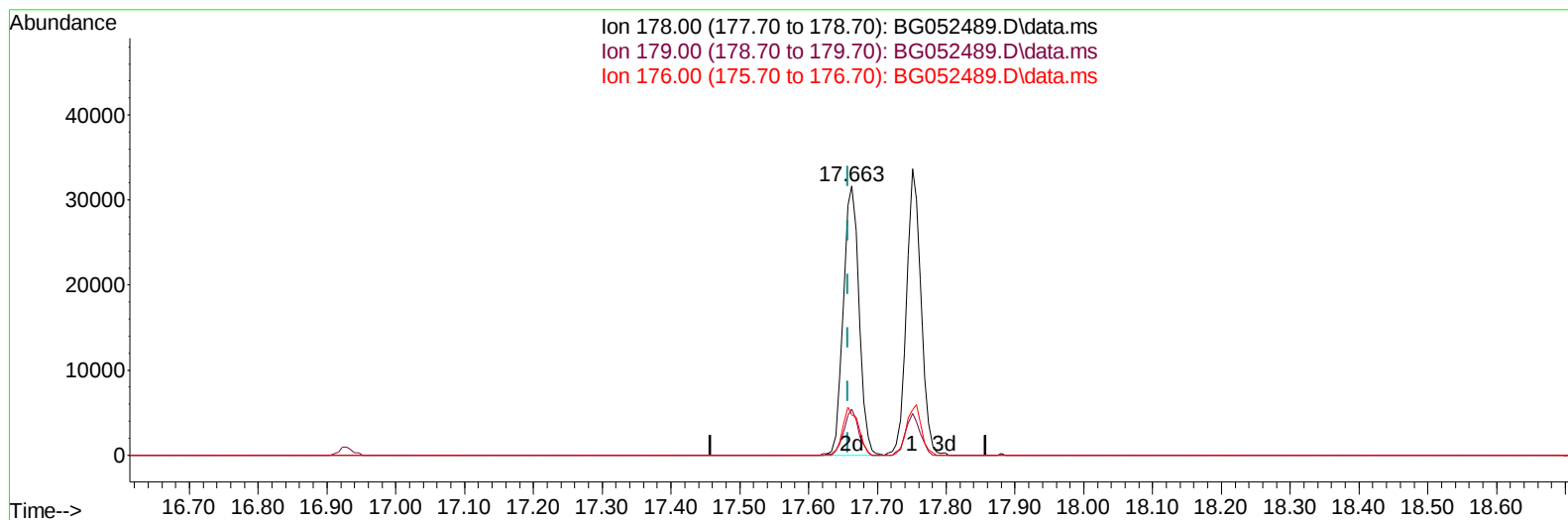
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
 Data File : BG052489.D
 Acq On : 25 Feb 2022 15:14
 Operator : CG/JU
 Sample : N1331-04
 Misc : SFAM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT1-2022-02

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/25/2022
 Supervised By :mohammad ahmed 03/02/2022

Quant Time: Feb 25 15:59:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 22 17:32:12 2022
 Response via : Initial Calibration



TIC: BG052489.D\data.ms

(72) Phenanthrene

17.663min (+ 0.005) 4.83 ng/ul m

response 49902

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	17.22
176.00	19.40	14.92#
0.00	0.00	0.00

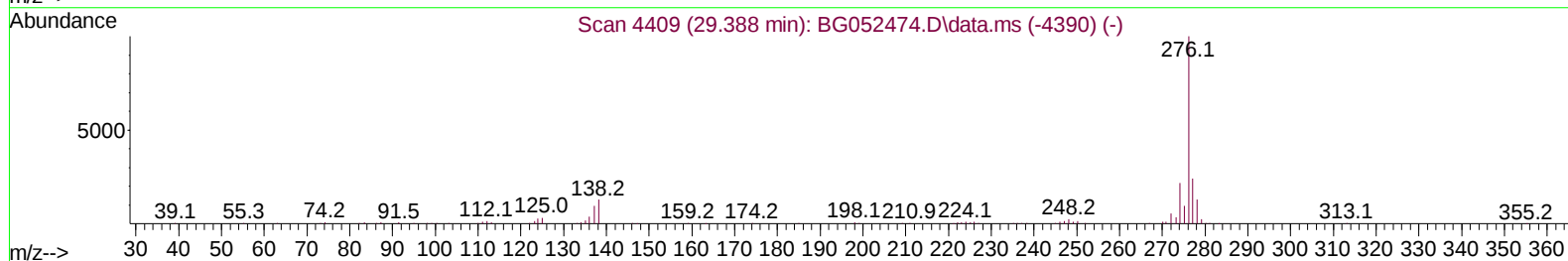
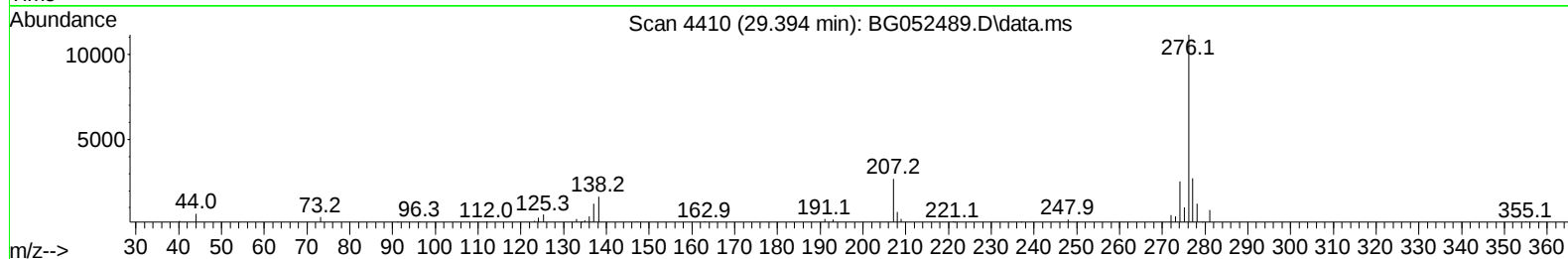
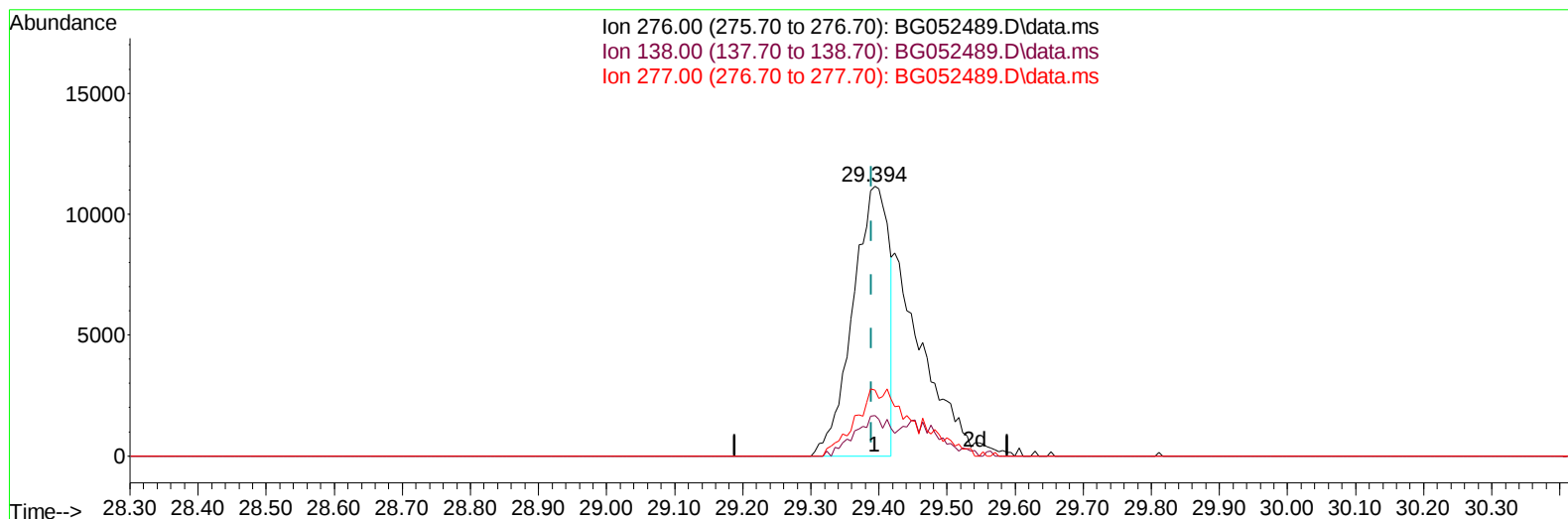
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
 Data File : BG052489.D
 Acq On : 25 Feb 2022 15:14
 Operator : CG/JU
 Sample : N1331-04
 Misc : SFAM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT1-2022-02

Manual IntegrationsAPPROVED

Quant Time: Feb 25 15:59:49 2022
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Reviewed By :Jagrut Upadhyay 02/25/2022
 Supervised By :mohammad ahmed 03/02/2022



TIC: BG052489.D\data.ms

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

29.394min (+ 0.005) 2.68 ng/u1

response 40745

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	14.96#
277.00	25.60	24.49
0.00	0.00	0.00

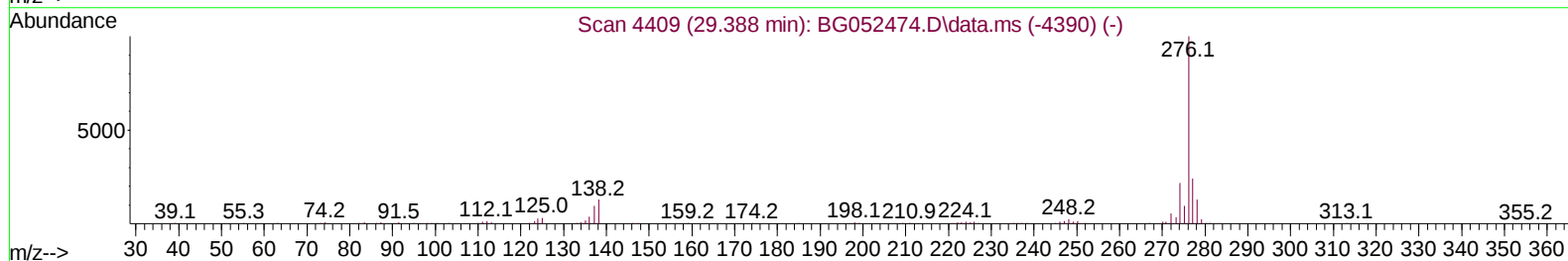
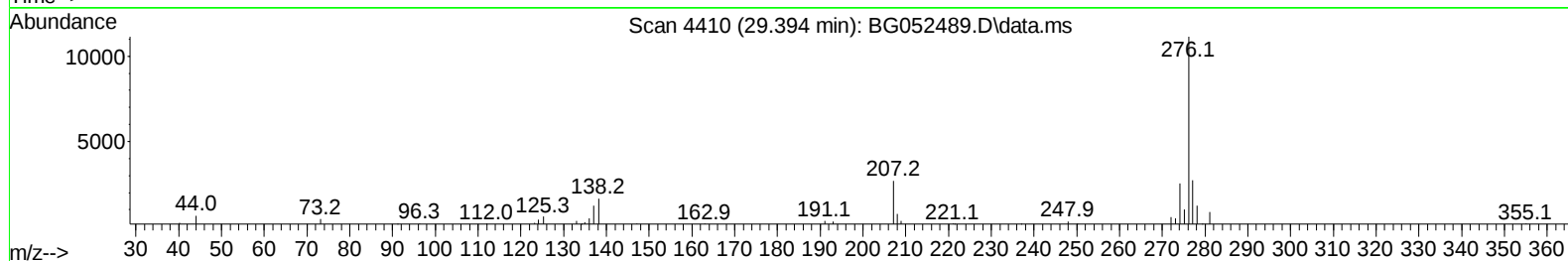
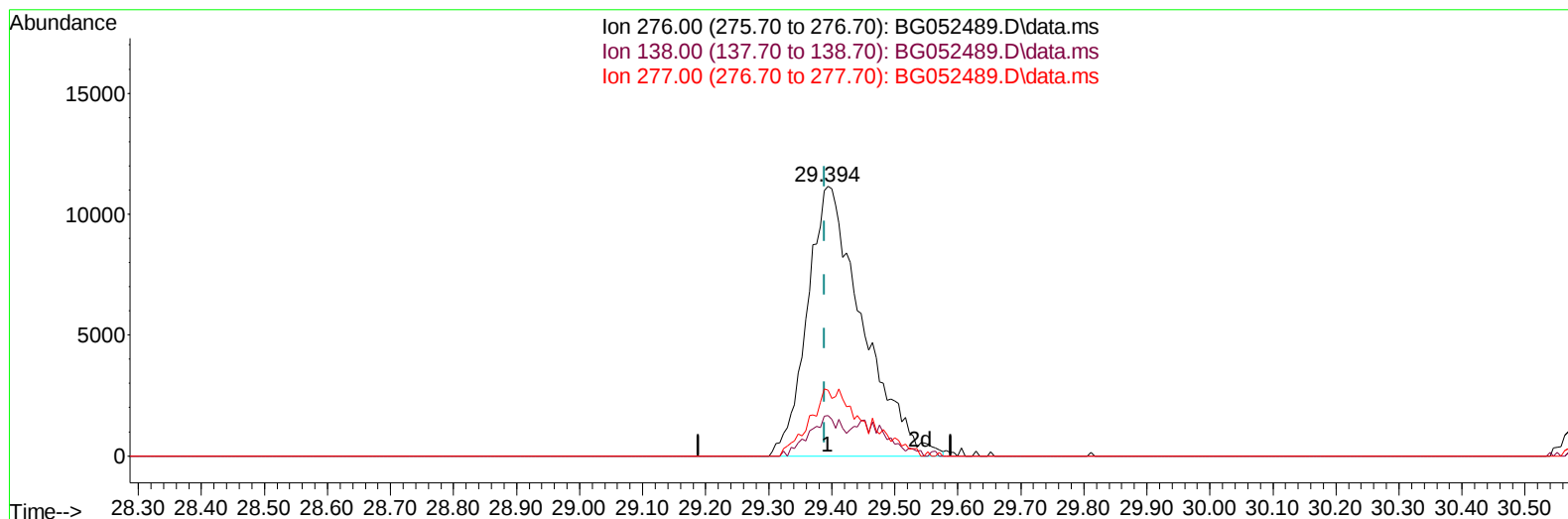
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
 Data File : BG052489.D
 Acq On : 25 Feb 2022 15:14
 Operator : CG/JU
 Sample : N1331-04
 Misc : SFAM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT1-2022-02

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/25/2022
 Supervised By :mohammad ahmed 03/02/2022

Quant Time: Feb 25 15:59:49 2022
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TIC: BG052489.D\data.ms

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

29.394min (+ 0.005) 4.45 ng/ul m

response 67612

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	14.96#
277.00	25.60	24.49
0.00	0.00	0.00

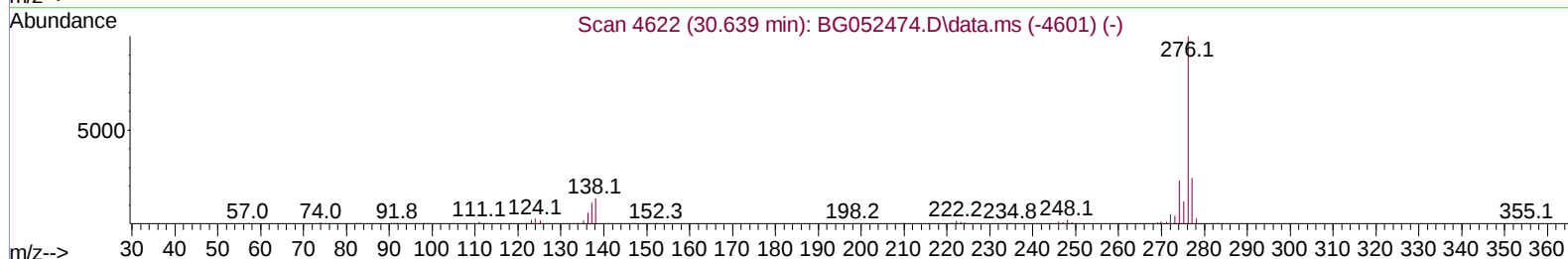
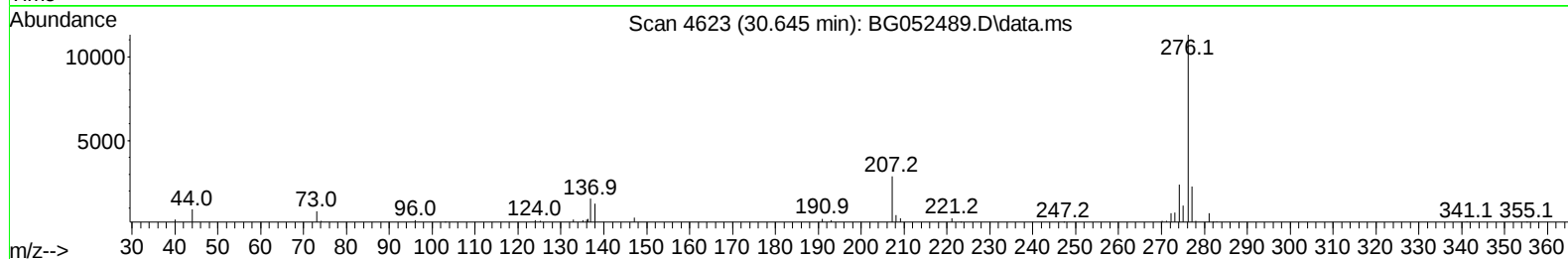
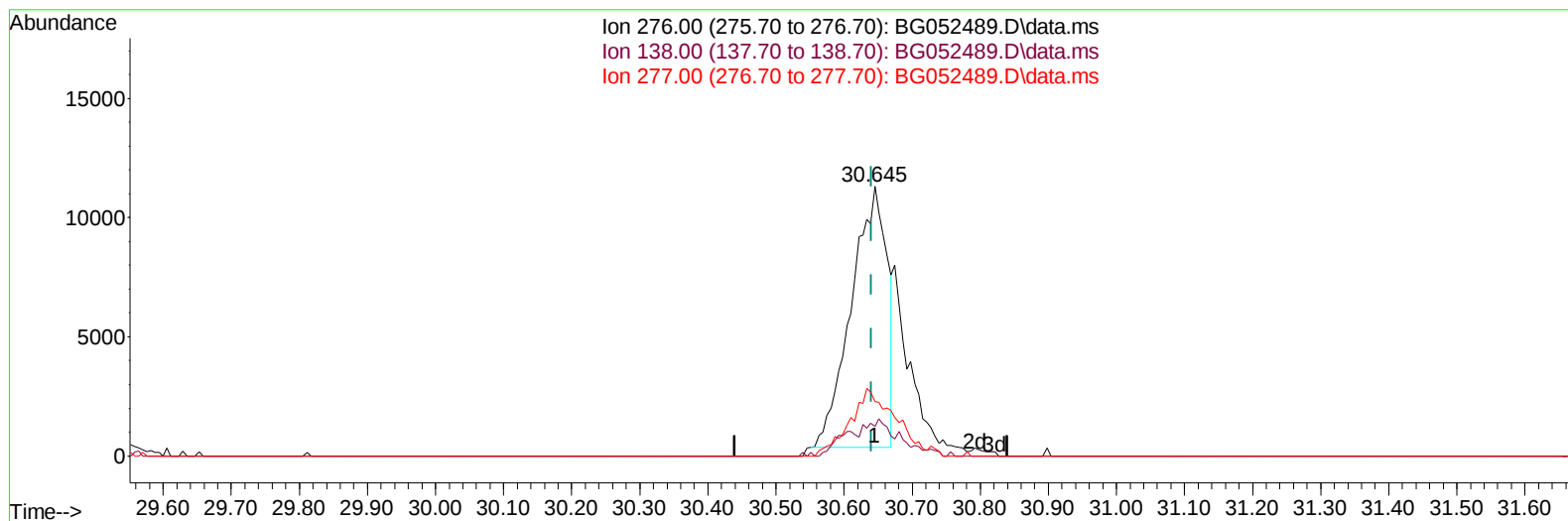
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
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Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 03/02/2022



TIC: BG052489.D\data.ms

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

30.645min (+ 0.005) 3.12 ng/u1

response 39839

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.70	10.99#
277.00	22.00	20.07
0.00	0.00	0.00

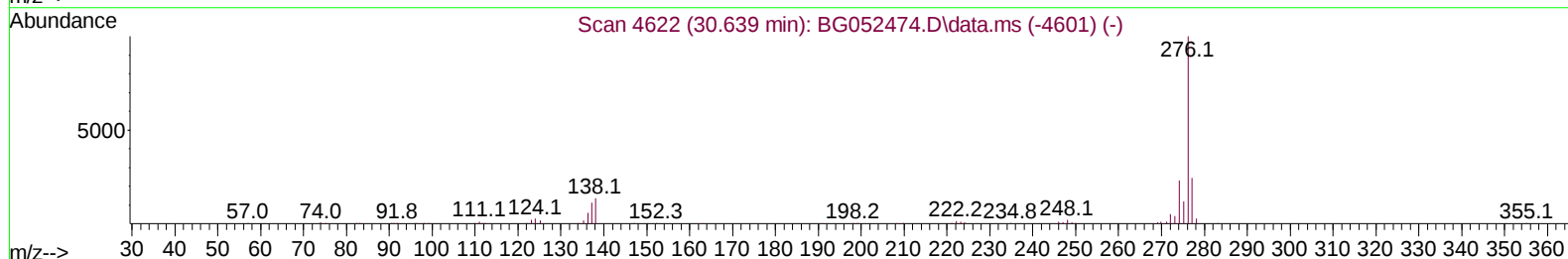
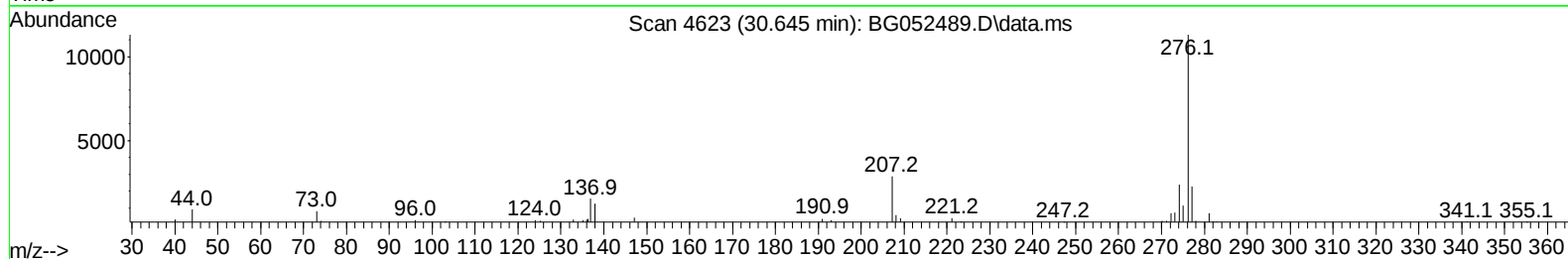
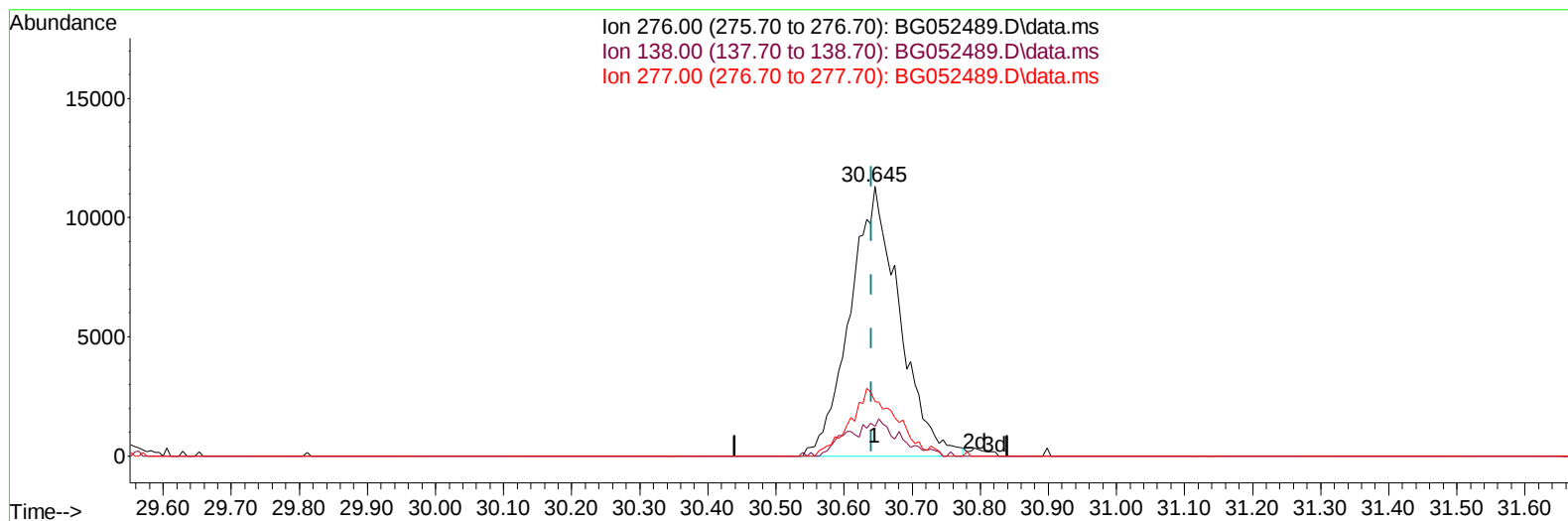
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
 Data File : BG052489.D
 Acq On : 25 Feb 2022 15:14
 Operator : CG/JU
 Sample : N1331-04
 Misc : SFAM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 03/02/2022



TIC: BG052489.D\data.ms

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

30.645min (+ 0.005) 4.46 ng/ul m

response 56926

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.70	10.99#
277.00	22.00	20.07
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
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 Sample : N1331-04
 Misc : SFAM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT1-2022-02

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/25/2022
 Supervised By :mohammad ahmed 03/02/2022

Quant Time: Feb 25 15:59:49 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.234	152	24024	20.000	ng/ul	0.01
20) Naphthalene-d8	11.066	136	98903	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.872	164	74907	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.622	188	191951	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.933	240	207384	20.000	ng/ul	# 0.00
88) Perylene-d12	25.405	264	203656	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.547	96	2431	3.969	ng/uL	0.00
4) Pyridine-d5	3.981	84	21071	11.405	ng/ul	0.00
7) Phenol-d5	7.377	99	29007	12.733	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.535	67	19306	14.502	ng/ul	0.00
11) 2-Chlorophenol-d4	7.759	132	20847	13.029	ng/ul	0.01
15) 4-Methylphenol-d8	8.933	113	22846	12.889	ng/ul	0.00
21) Nitrobenzene-d5	9.403	128	11606	13.765	ng/ul	0.00
24) 2-Nitrophenol-d4	10.138	143	12393	13.419	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.684	165	22326	12.964	ng/ul	0.01
31) 4-Chloroaniline-d4	11.195	131	31654	13.263	ng/ul	0.00
46) Dimethylphthalate-d6	14.262	166	85013	13.961	ng/ul	0.00
49) Acenaphthylene-d8	14.567	160	104696	13.927	ng/ul	0.00
54) 4-Nitrophenol-d4	15.066	143	10925	11.286	ng/ul	0.01
60) Fluorene-d10	15.859	176	76842	14.364	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.977	200	13288	10.918	ng/ul	0.00
73) Anthracene-d10	17.716	188	135958	14.661	ng/ul	0.00
81) Pyrene-d10	20.001	212	171455	14.129	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.159	264	154534	14.144	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.588	88	1085	1.523	ng/ul#	75
5) Pyridine	4.005	79	8018	4.298	ng/ul#	79
6) Benzaldehyde	7.353	77	5850	4.522	ng/ul	89
8) Phenol	7.400	94	9724	4.220	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.635	93	7270	4.266	ng/ul	95
12) 2-Chlorophenol	7.794	128	7201	4.320	ng/ul#	93
13) 2-Methylphenol	8.669	108	7001	4.014	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.745	45	11150	4.780	ng/ul#	93
16) Acetophenone	9.057	105	12427	4.551	ng/ul	89
17) N-Nitroso-di-n-propyla...	9.033	70	6858	4.266	ng/ul#	85
18) 4-Methylphenol	8.998	108	7612	4.104	ng/ul	80
19) Hexachloroethane	9.333	117	2901	4.451	ng/ul#	69
22) Nitrobenzene	9.444	77	9963	4.609	ng/ul#	90
23) Isophorone	9.967	82	18924	4.538	ng/ul#	96
25) 2-Nitrophenol	10.161	139	4369	4.502	ng/ul#	84
26) 2,4-Dimethylphenol	10.214	107	8108	4.062	ng/ul	90
27) Bis(2-Chloroethoxy)met...	10.449	93	10578	4.687	ng/ul	98
29) 2,4-Dichlorophenol	10.707	162	7533	4.624	ng/ul	90
30) Naphthalene	11.119	128	25729	4.676	ng/ul#	95
32) 4-Chloroaniline	11.219	127	10735	4.385	ng/ul	95
33) Hexachlorobutadiene	11.401	225	6188	4.813	ng/ul	89
34) Caprolactam	11.976	113	2411m	3.978	ng/ul	
35) 4-Chloro-3-methylphenol	12.335	107	7365	4.047	ng/ul#	81

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022522\
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 Operator : CG/JU
 Sample : N1331-04
 Misc : SFAM-MDL-SOIL02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/25/2022
 Supervised By :mohammad ahmed 03/02/2022

Quant Time: Feb 25 15:59:49 2022
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 Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.717	142	18261	4.632	ng/ul	87
37) 1-Methylnaphthalene	12.928	142	19046	4.747	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	13.081	216	11390	4.333	ng/ul#	95
40) Hexachlorocyclopentadiene	13.057	237	4579	3.598	ng/ul	99
41) 2,4,6-Trichlorophenol	13.322	196	5323	3.376	ng/ul#	83
42) 2,4,5-Trichlorophenol	13.398	196	6340m	3.773	ng/ul	
43) 1,1'-Biphenyl	13.703	154	26452	4.441	ng/ul#	92
44) 2-Chloronaphthalene	13.756	162	20628	4.554	ng/ul#	87
45) 2-Nitroaniline	13.944	65	5547	3.750	ng/ul	98
47) Dimethylphthalate	14.309	163	27404	4.604	ng/ul	97
48) 2,6-Dinitrotoluene	14.432	165	5466	4.193	ng/ul#	84
50) Acenaphthylene	14.590	152	34952	4.653	ng/ul#	91
51) 3-Nitroaniline	14.778	138	4165m	3.923	ng/ul	
52) Acenaphthene	14.937	153	22316	4.517	ng/ul	97
53) 2,4-Dinitrophenol	14.996	184	2153m	3.340	ng/ul	
55) 4-Nitrophenol	15.078	109	4464	4.755	ng/ul	85
56) Dibenzofuran	15.266	168	32163	4.529	ng/ul	100
57) 2,4-Dinitrotoluene	15.225	165	8597	4.553	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	15.501	232	5505	3.615	ng/ul#	92
59) Diethylphthalate	15.660	149	27690	4.602	ng/ul	98
61) Fluorene	15.918	166	27653	4.629	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.900	204	15081	4.639	ng/ul	90
63) 4-Nitroaniline	15.918	138	3591	3.523	ng/ul#	62
66) 4,6-Dinitro-2-methylph...	15.994	198	5460m	4.629	ng/ul	
67) N-Nitrosodiphenylamine	16.112	169	23685	4.379	ng/ul	95
68) 4-Bromophenyl-phenylether	16.799	248	10271	4.458	ng/ul#	80
69) Hexachlorobenzene	16.928	284	12195	4.613	ng/ul#	88
70) Atrazine	17.052	200	10010	4.200	ng/ul#	92
71) Pentachlorophenol	17.281	266	5513m	4.630	ng/ul	
72) Phenanthrene	17.663	178	49902m	4.827	ng/ul	
74) Anthracene	17.751	178	49499	4.757	ng/ul	94
75) 1,2,3,4-Tetrachloroben...	13.680	216	13058	4.300	ng/uL	93
76) Pentachlorobenzene	15.190	250	13534	4.669	ng/uL	97
77) Carbazole	18.021	167	42108	4.556	ng/ul	94
78) Di-n-butylphthalate	18.562	149	48709	4.432	ng/ul	99
80) Fluoranthene	19.666	202	64343	4.491	ng/ul#	90
82) Pyrene	20.030	202	67096	4.716	ng/ul#	87
83) Butylbenzylphthalate	20.894	149	19369	3.766	ng/ul#	89
84) 3,3'-Dichlorobenzidine	21.816	252	19268	4.206	ng/ul	98
85) Benzo(a)anthracene	21.916	228	63930	4.549	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.792	149	29417	4.080	ng/ul#	99
87) Chrysene	21.986	228	62534	4.642	ng/ul	95
89) Di-n-octyl phthalate	23.079	149	47517	4.035	ng/ul	100
90) Benzo(b)fluoranthene	24.295	252	64893	4.570	ng/ul#	92
91) Benzo(k)fluoranthene	24.360	252	59377	4.534	ng/ul#	98
93) Benzo(a)pyrene	25.235	252	59675	4.467	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	29.394	276	67612m	4.451	ng/ul	
95) Dibenzo(a,h)anthracene	29.470	278	56593	4.365	ng/ul#	89
96) Benzo(g,h,i)perylene	30.645	276	56926m	4.464	ng/ul	

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

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-QT1-2022-02

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/25/2022
Supervised By :mohammad ahmed 03/02/2022

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