

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051122\
 Data File : BG053525.D
 Acq On : 11 May 2022 18:15
 Operator : CG/JU
 Sample : N2656-12DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: May 12 09:14:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 11 06:00:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	23043	20.000	ng	0.00
21) Naphthalene-d8	10.895	136	97938	20.000	ng	# 0.00
39) Acenaphthene-d10	14.713	164	84335	20.000	ng	0.00
64) Phenanthrene-d10	17.457	188	206491	20.000	ng	0.00
76) Chrysene-d12	21.739	240	196331	20.000	ng	0.00
86) Perylene-d12	25.023	264	206046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.655	112	27789	20.467	ng	0.00
7) Phenol-d6	7.247	99	43420	21.071	ng	0.00
23) Nitrobenzene-d5	9.250	82	33877	14.725	ng	0.00
42) 2,4,6-Tribromophenol	16.199	330	30152	24.241	ng	0.00
45) 2-Fluorobiphenyl	13.339	172	92139	15.965	ng	0.00
79) Terphenyl-d14	20.059	244	215661	20.458	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	7.494	93	31687	13.884	ng	# 56
8) 2-Chlorophenol	7.652	128	30320	21.361	ng	95
11) bis(2-Chloroethyl)ether	7.494	93	31687	21.082	ng	97
12) 1,3-Dichlorobenzene	7.975	146	26535	15.847	ng	93
13) 1,4-Dichlorobenzene	7.975	146	26535	15.704	ng	95
14) 1,2-Dichlorobenzene	8.445	146	19831	12.498	ng	97
18) Hexachloroethane	9.168	117	14926	23.261	ng	97
19) n-Nitroso-di-n-propyla...	9.244	70	4480	3.030	ng	# 80
25) Isophorone	9.808	82	80264	20.729	ng	97
28) bis(2-Chloroethoxy)met...	10.290	93	66162	29.710	ng	99
29) 2,4-Dichlorophenol	10.548	162	49878	30.448	ng	91
31) Naphthalene	10.948	128	77486	15.554	ng	97
33) 4-Chloroaniline	10.954	127	10394	4.982	ng	# 34
34) Hexachlorobutadiene	11.230	225	17590	12.745	ng	90
35) Caprolactam	12.170	113	2167	3.640	ng	# 8
36) 4-Chloro-3-methylphenol	12.176	107	67351	34.372	ng	94
37) 2-Methylnaphthalene	12.551	142	75582	20.329	ng	99
38) 1-Methylnaphthalene	12.551	142	75582	20.837	ng	96
47) 2-Chloronaphthalene	13.591	162	88270	19.599	ng	96
49) Acenaphthylene	14.437	152	142141	19.777	ng	99
50) Dimethylphthalate	14.155	163	242384	37.821	ng	99
51) 2,6-Dinitrotoluene	14.155	165	2705	2.072	ng	# 2
52) Acenaphthene	14.778	154	152310	35.561	ng	99
55) Dibenzofuran	15.113	168	255252	33.179	ng	99
56) 4-Nitrophenol	14.931	139	40479	40.173	ng	90
57) 2,4-Dinitrotoluene	15.072	165	52717	27.855	ng	# 97
58) Fluorene	15.759	166	159918	25.903	ng	99
60) Diethylphthalate	15.518	149	114899	17.356	ng	98
61) 4-Chlorophenyl-phenyle...	15.747	204	99621	28.917	ng	97
63) Azobenzene	15.747	77	42215	6.227	ng	# 45
67) 4-Bromophenyl-phenylether	16.640	248	72832	30.201	ng	91
71) Phenanthrene	17.504	178	157550	15.005	ng	99
72) Anthracene	17.504	178	157550	15.266	ng	96
74) Di-n-butylphthalate	18.408	149	326746	28.724	ng	100
75) Fluoranthene	19.871	202	162361	11.943	ng	97
78) Pyrene	19.871	202	162361	12.775	ng	97

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QLast Update : Wed May 11 06:00:46 2022
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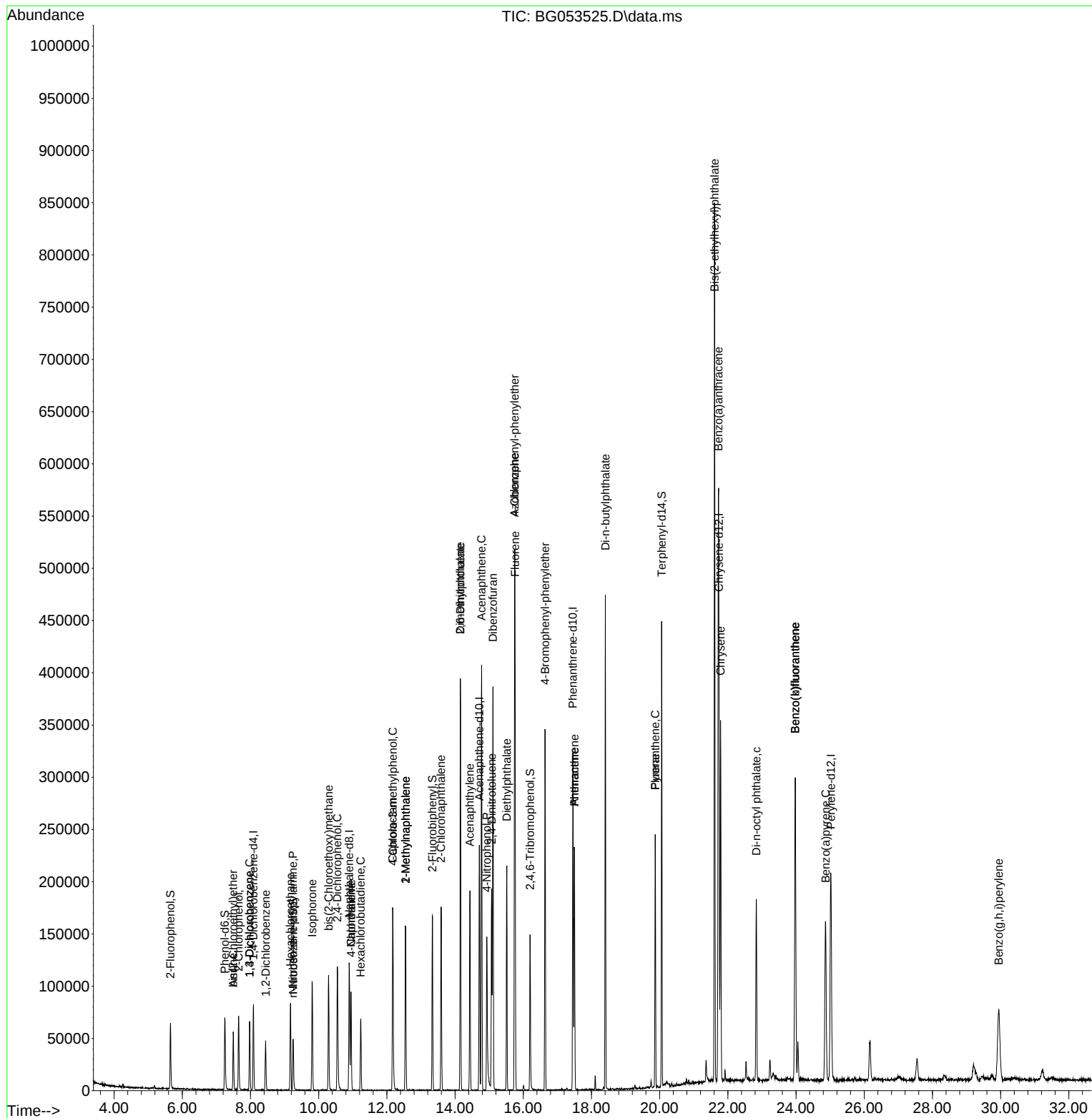
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	21.721	228	358997	28.668	ng	99
83) Chrysene	21.786	228	230357	19.696	ng	98
84) Bis(2-ethylhexyl)phtha...	21.610	149	328357	51.046	ng	100
85) Di-n-octyl phthalate	22.838	149	159415	14.656	ng	98
88) Benzo(b)fluoranthene	23.977	252	299739	24.576	ng	97
89) Benzo(k)fluoranthene	23.977	252	299739	25.010	ng	96
90) Benzo(a)pyrene	24.870	252	187972	18.108	ng	98
92) Benzo(g,h,i)perylene	29.946	276	151148	12.895	ng	97

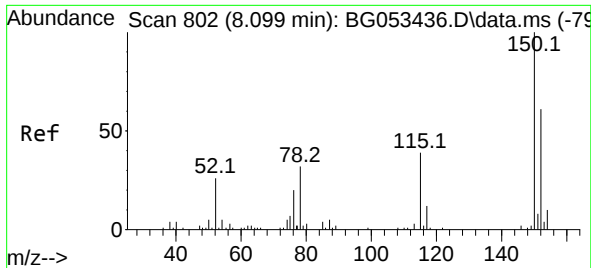
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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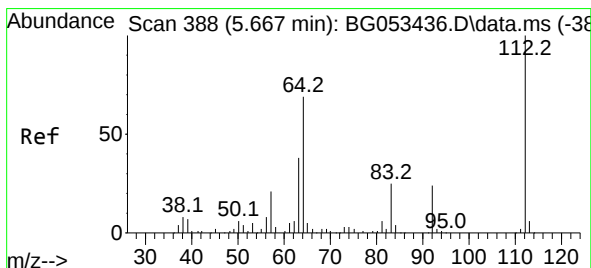
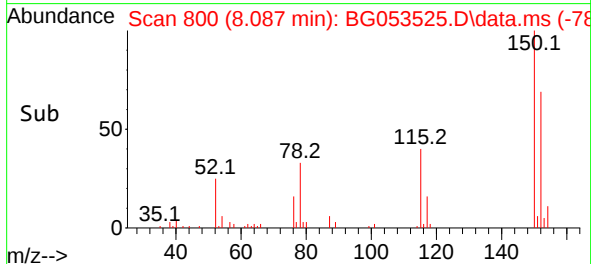
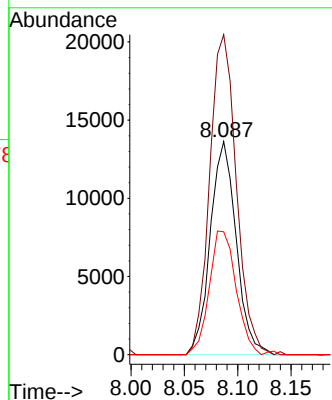
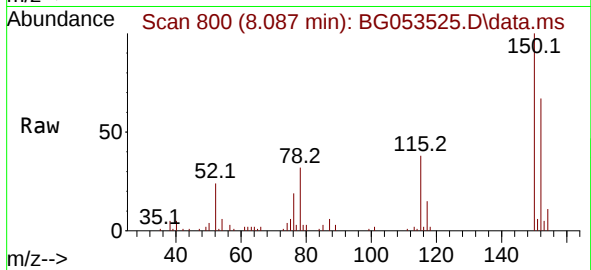




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.087 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: BG053525.D
 Acq: 11 May 2022 18:15

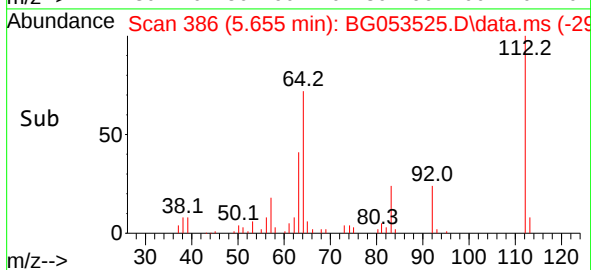
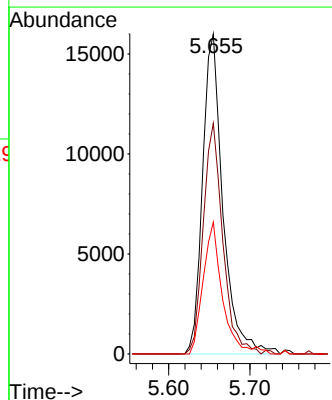
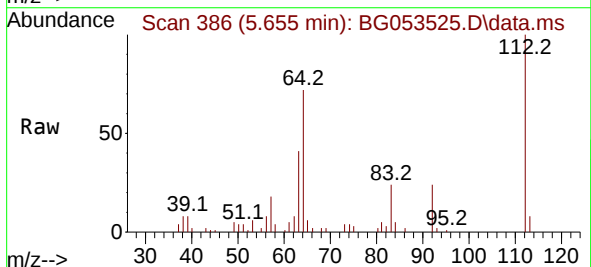
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

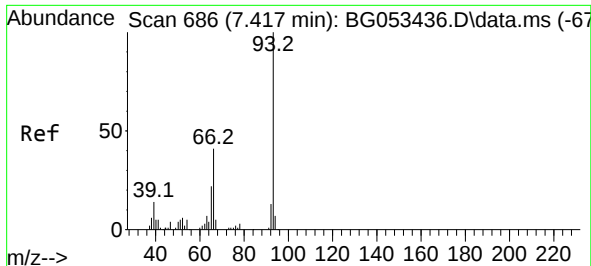
Tgt Ion:152 Resp: 23043
 Ion Ratio Lower Upper
 152 100
 150 150.2 131.6 197.4
 115 57.7 50.9 76.3



#5
 2-Fluorophenol
 Concen: 20.467 ng
 RT: 5.655 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: BG053525.D
 Acq: 11 May 2022 18:15

Tgt Ion:112 Resp: 27789
 Ion Ratio Lower Upper
 112 100
 64 72.1 55.1 82.7
 63 41.2 30.4 45.6

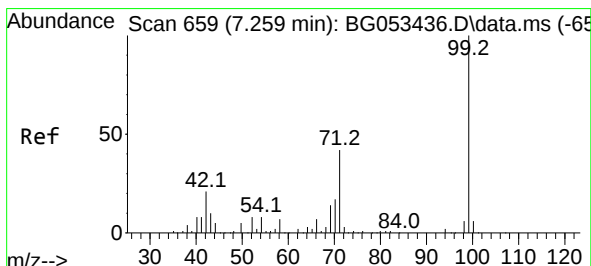
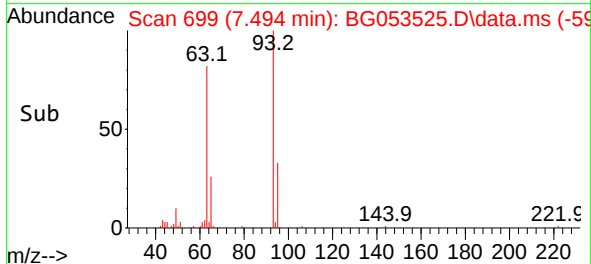
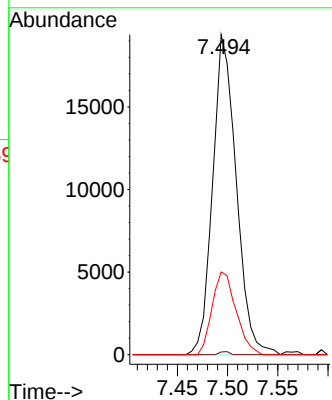
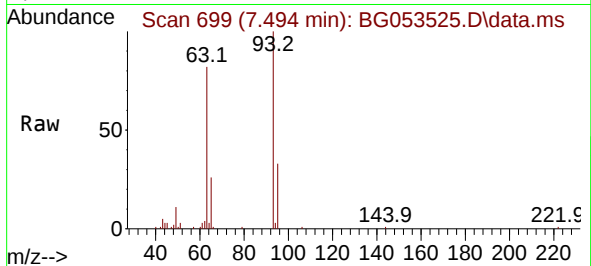




#6
Aniline
Concen: 13.884 ng
RT: 7.494 min Scan# 61
Delta R.T. 0.086 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

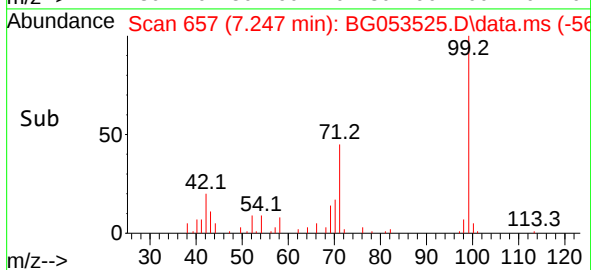
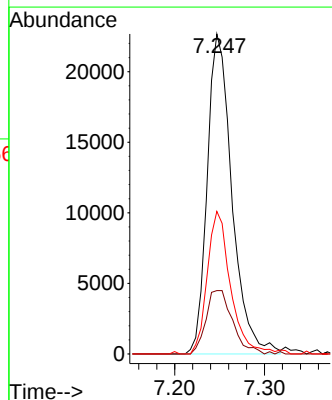
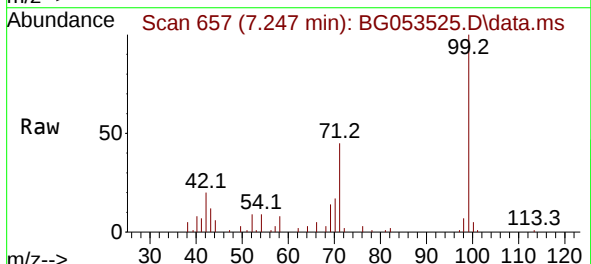
Instrument :
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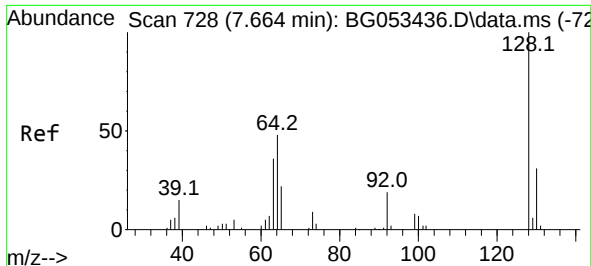
Tgt Ion: 93 Resp: 31687
Ion Ratio Lower Upper
93 100
66 0.8 32.9 49.3#
65 25.8 17.8 26.8



#7
Phenol-d6
Concen: 21.071 ng
RT: 7.247 min Scan# 657
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion: 99 Resp: 43420
Ion Ratio Lower Upper
99 100
42 19.8 17.0 25.6
71 44.5 33.8 50.8

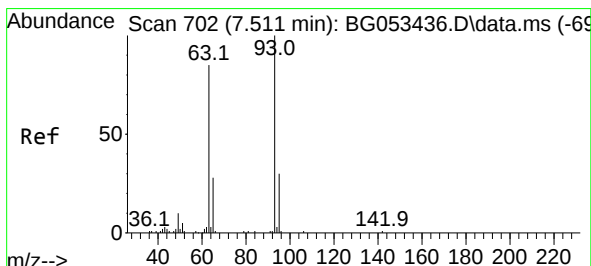
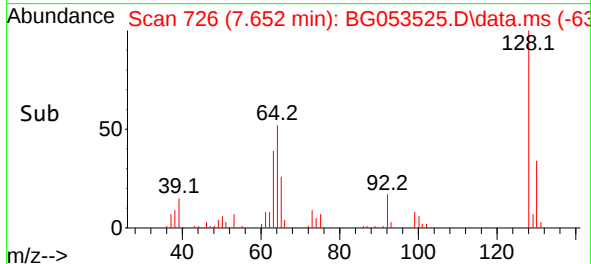
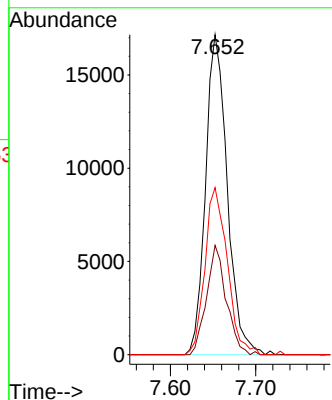
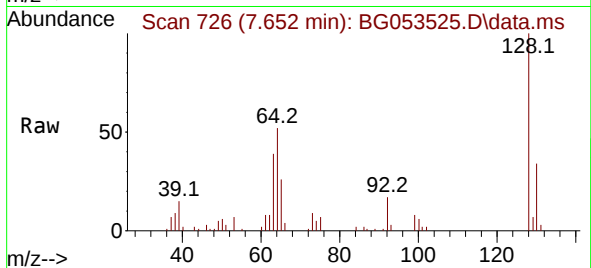




#8
2-Chlorophenol
Concen: 21.361 ng
RT: 7.652 min Scan# 710
Delta R.T. -0.002 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

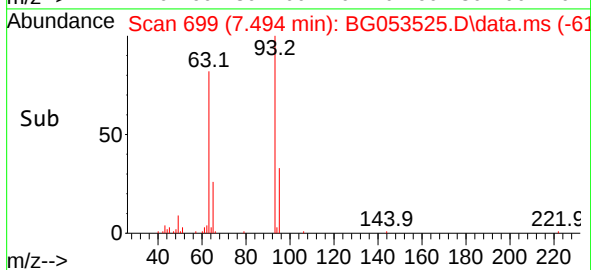
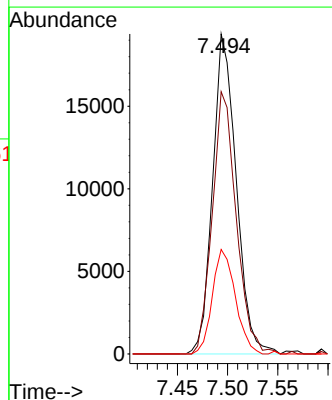
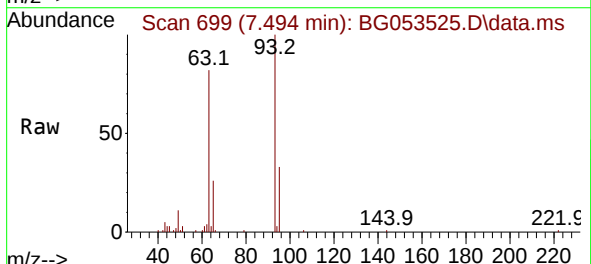
Instrument :
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ClientSampleId :
PT-BNA-SOILD

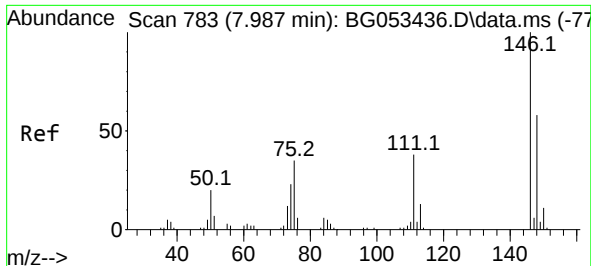
Tgt Ion:128 Resp: 30320
Ion Ratio Lower Upper
128 100
130 34.1 10.5 50.5
64 52.2 35.1 75.1



#11
bis(2-Chloroethyl)ether
Concen: 21.082 ng
RT: 7.494 min Scan# 699
Delta R.T. -0.008 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion: 93 Resp: 31687
Ion Ratio Lower Upper
93 100
63 81.9 63.6 103.6
95 32.6 10.1 50.1





#12

1,3-Dichlorobenzene

Concen: 15.847 ng

RT: 7.975 min Scan# 781

Delta R.T. -0.003 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

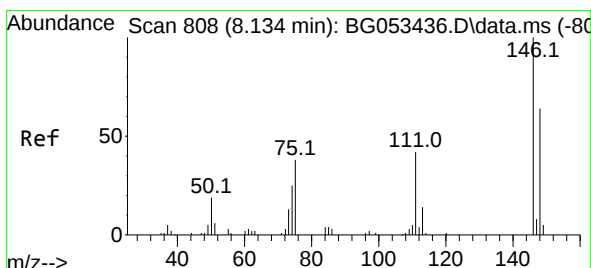
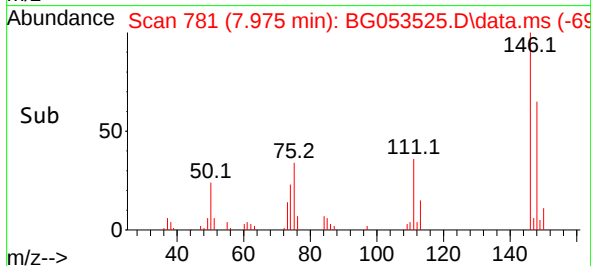
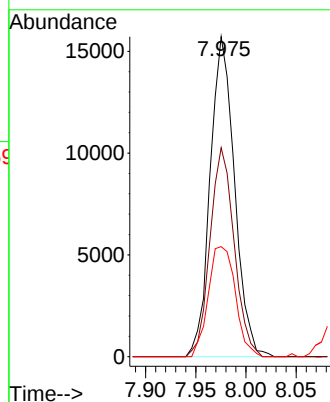
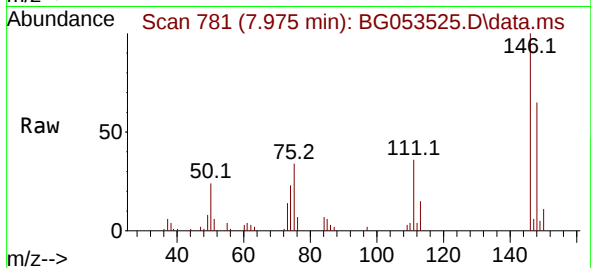
Tgt Ion:146 Resp: 26535

Ion Ratio Lower Upper

146 100

148 65.3 46.1 69.1

75 34.4 27.6 41.4



#13

1,4-Dichlorobenzene

Concen: 15.704 ng

RT: 7.975 min Scan# 781

Delta R.T. -0.149 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

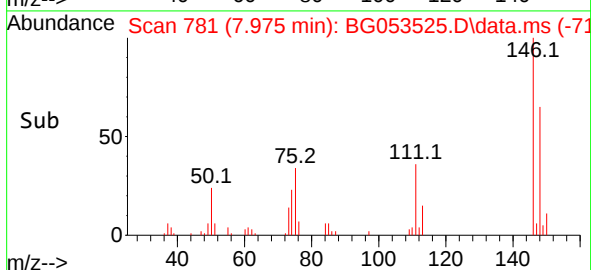
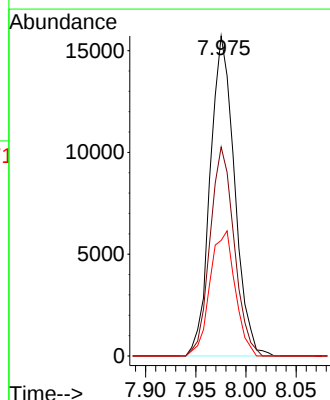
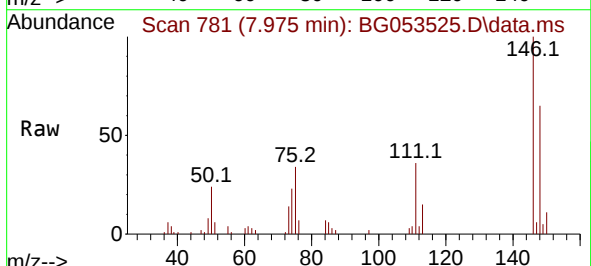
Tgt Ion:146 Resp: 26535

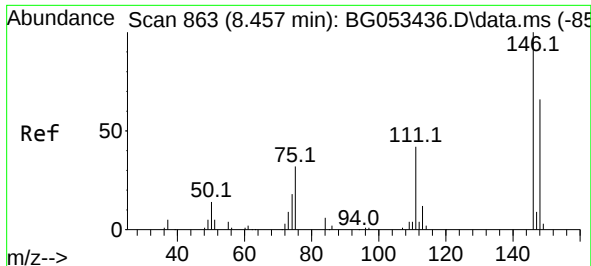
Ion Ratio Lower Upper

146 100

148 65.3 51.5 77.3

111 36.1 33.9 50.9





#14

1,2-Dichlorobenzene

Concen: 12.498 ng

RT: 8.445 min Scan# 80

Delta R.T. 0.003 min

Lab File: BG053525.D

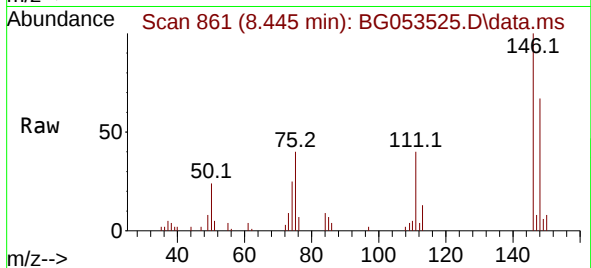
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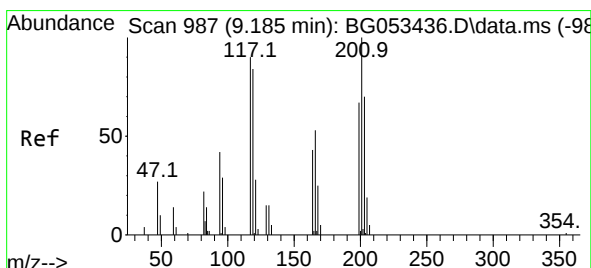
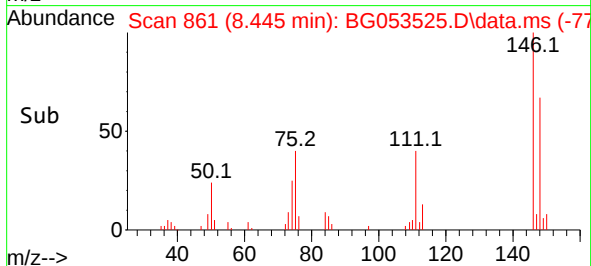
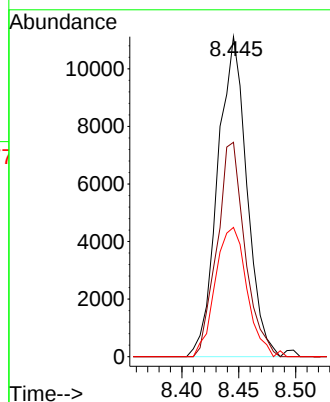
Tgt Ion:146 Resp: 19831

Ion Ratio Lower Upper

146 100

148 67.0 52.6 78.8

111 40.4 34.5 51.7



#18

Hexachloroethane

Concen: 23.261 ng

RT: 9.168 min Scan# 984

Delta R.T. -0.008 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

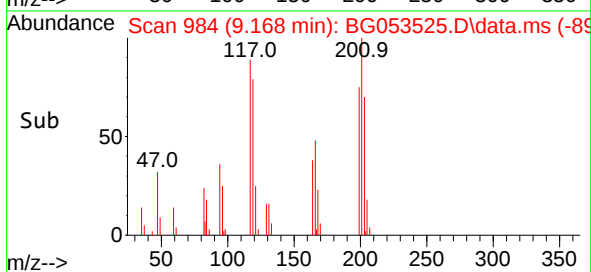
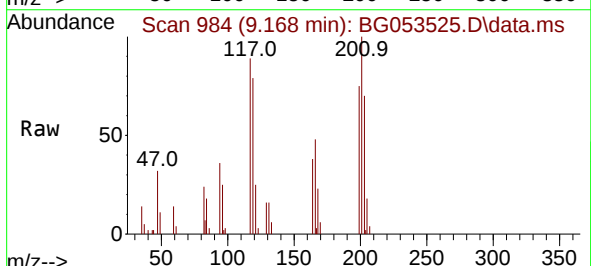
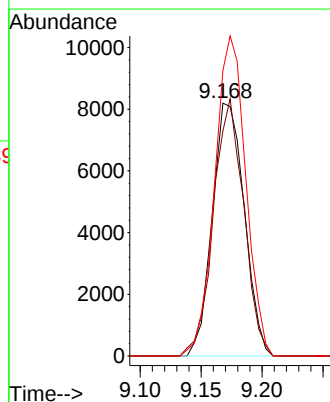
Tgt Ion:117 Resp: 14926

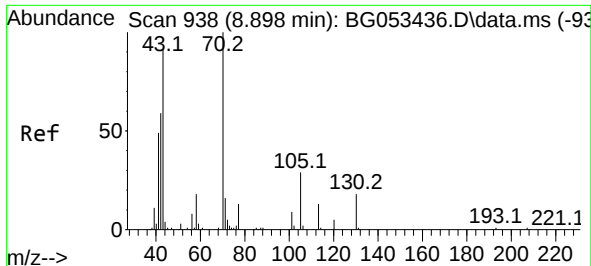
Ion Ratio Lower Upper

117 100

119 89.0 75.0 112.6

201 112.9 89.0 133.6



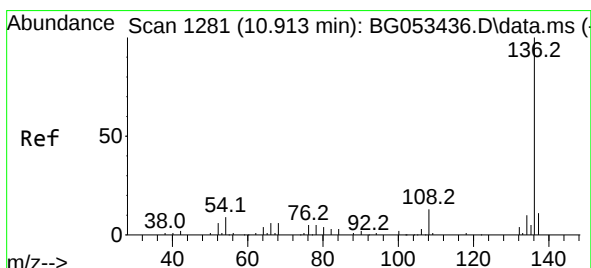
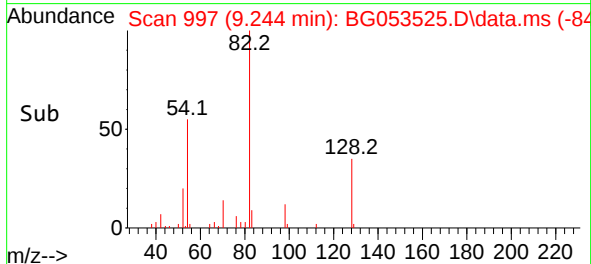
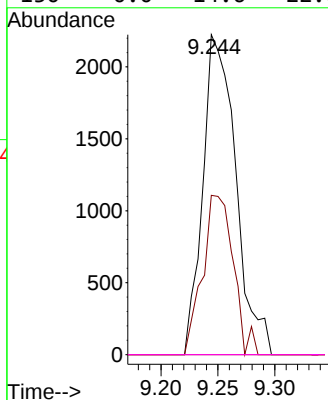
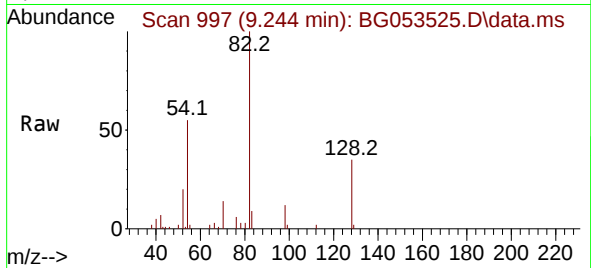


#19
n-Nitroso-di-n-propylamine
Concen: 3.030 ng
RT: 9.244 min Scan# 91
Delta R.T. 0.356 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Instrument :
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Tgt Ion: 70 Resp: 4480

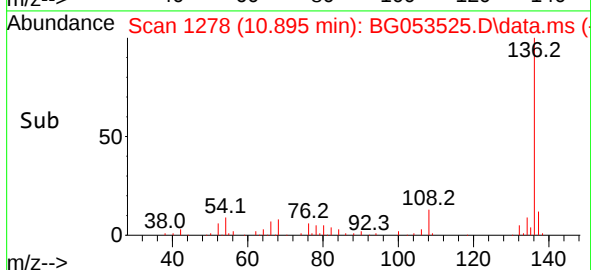
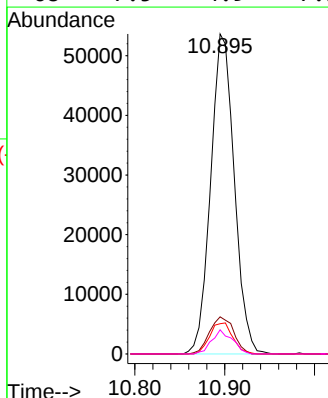
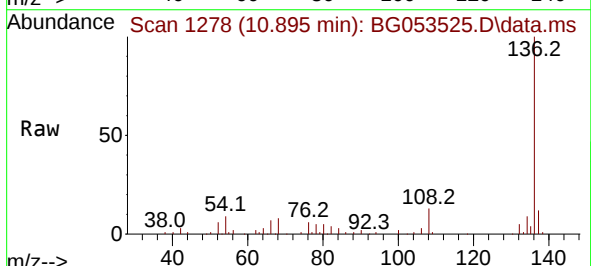
Ion	Ratio	Lower	Upper
70	100		
42	49.8	47.3	70.9
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#

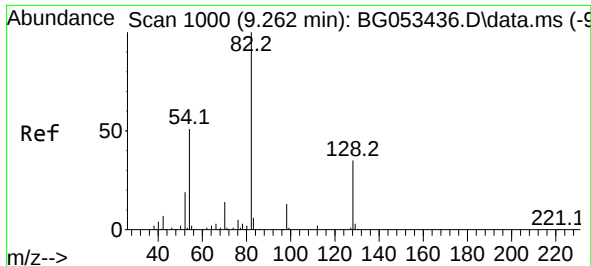


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.895 min Scan# 1278
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion: 136 Resp: 97938

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	9.4	7.4	11.2
68	7.5	4.9	7.3#

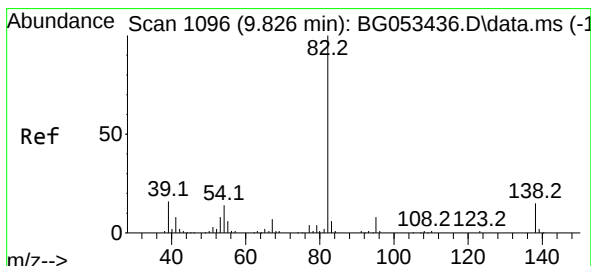
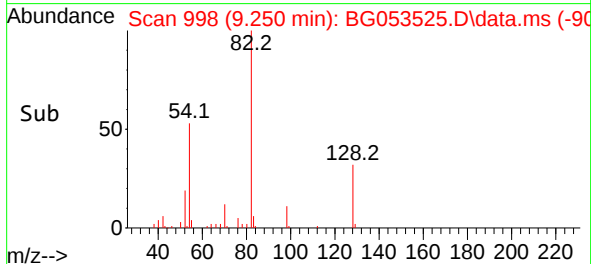
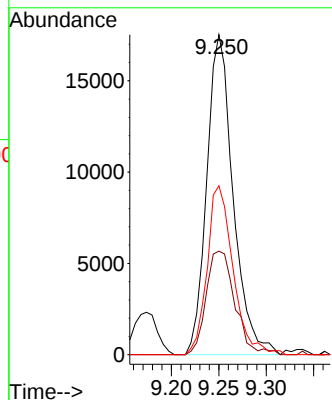
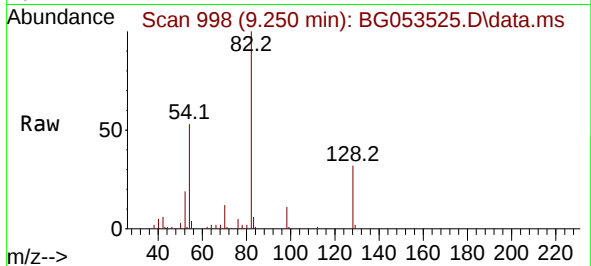




#23
Nitrobenzene-d5
Concen: 14.725 ng
RT: 9.250 min Scan# 91
Delta R.T. -0.002 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

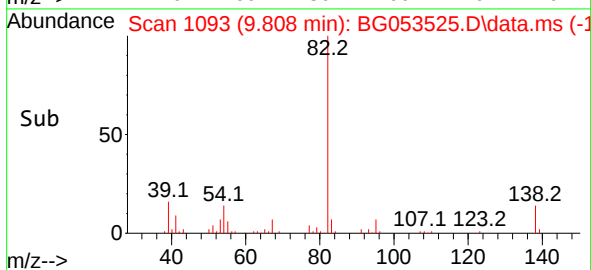
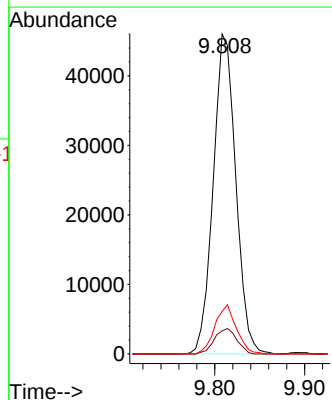
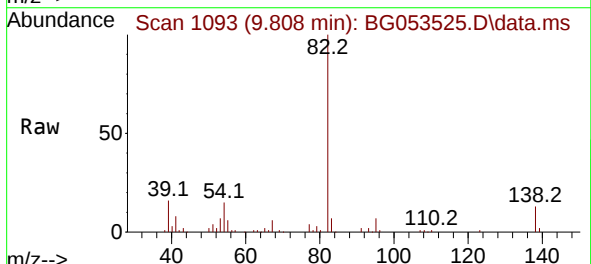
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

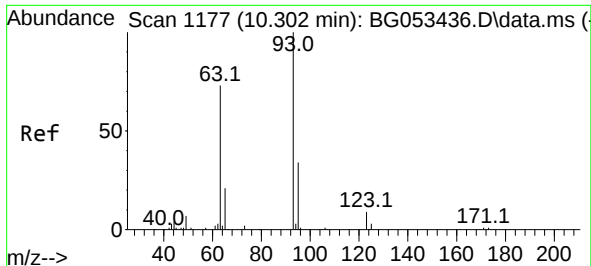
Tgt Ion: 82 Resp: 33877
Ion Ratio Lower Upper
82 100
128 32.3 27.9 41.9
54 52.8 41.2 61.8



#25
Isophorone
Concen: 20.729 ng
RT: 9.808 min Scan# 1093
Delta R.T. -0.008 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion: 82 Resp: 80264
Ion Ratio Lower Upper
82 100
95 7.2 6.2 9.4
138 13.2 11.6 17.4

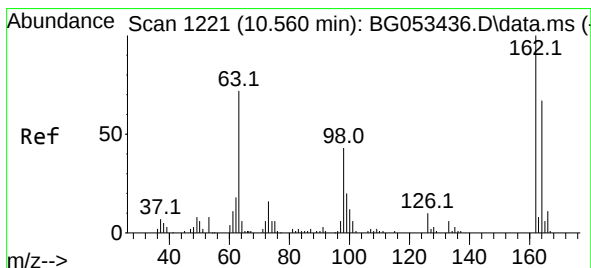
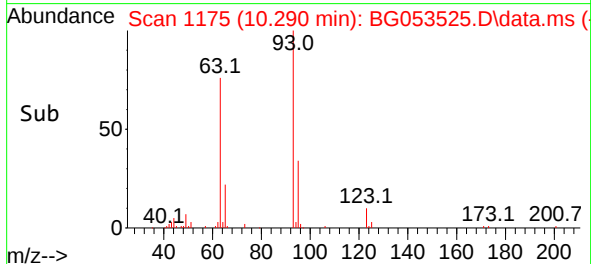
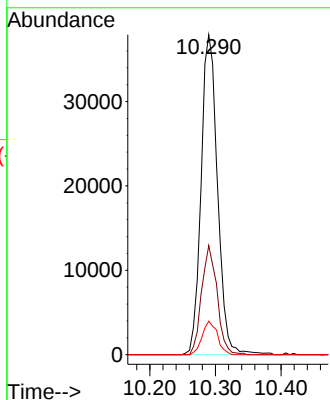
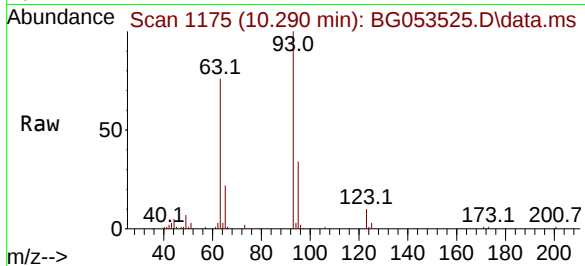




#28
bis(2-Chloroethoxy)methane
Concen: 29.710 ng
RT: 10.290 min Scan# 1175
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

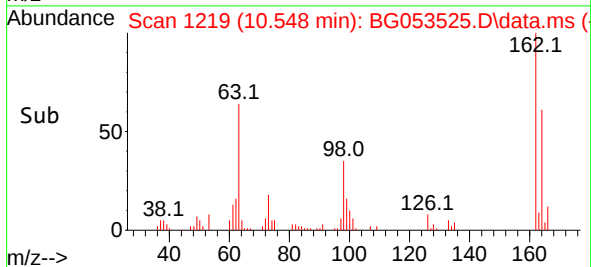
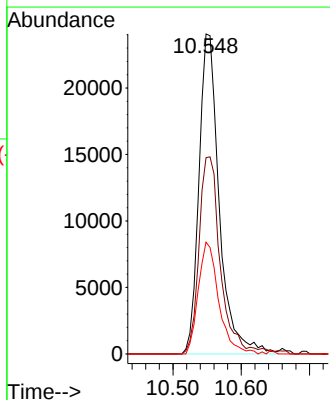
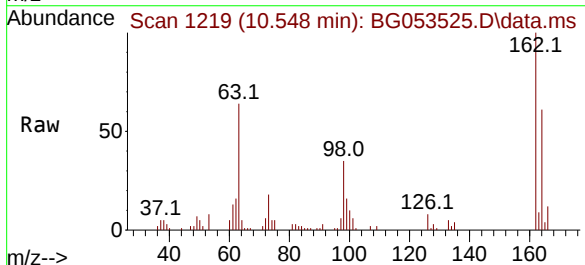
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

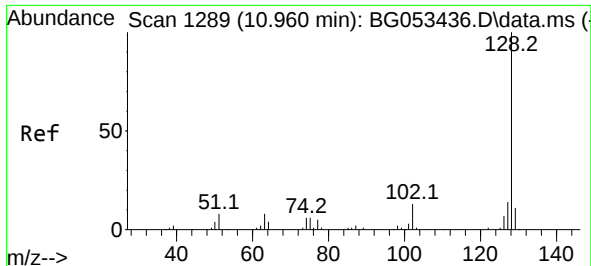
Tgt Ion: 93 Resp: 66162
Ion Ratio Lower Upper
93 100
95 34.1 26.9 40.3
123 10.4 7.7 11.5



#29
2,4-Dichlorophenol
Concen: 30.448 ng
RT: 10.548 min Scan# 1219
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:162 Resp: 49878
Ion Ratio Lower Upper
162 100
164 61.3 46.6 86.6
98 35.0 22.8 62.8

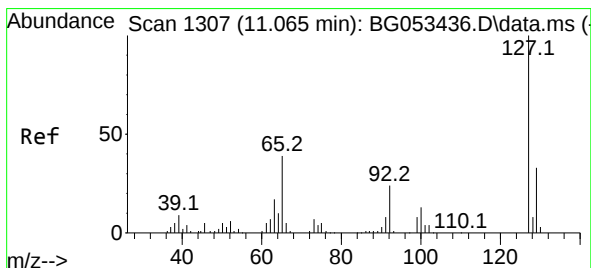
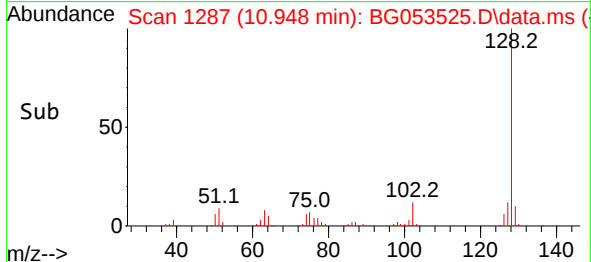
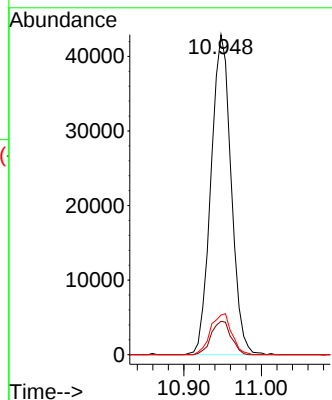
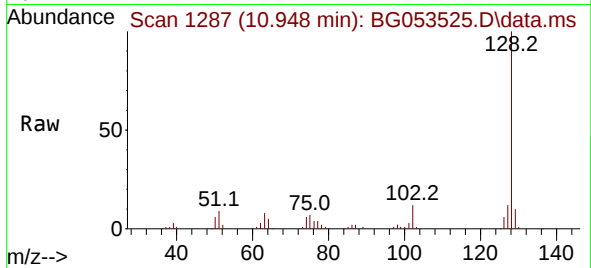




#31
Naphthalene
Concen: 15.554 ng
RT: 10.948 min Scan# 1287
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

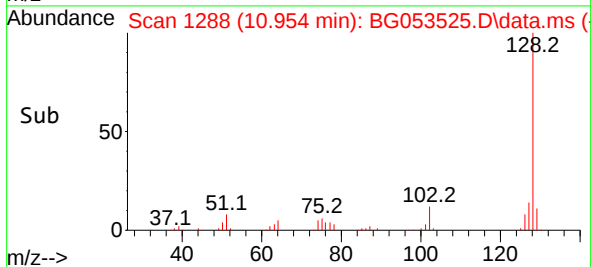
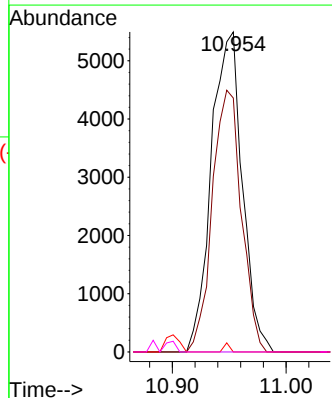
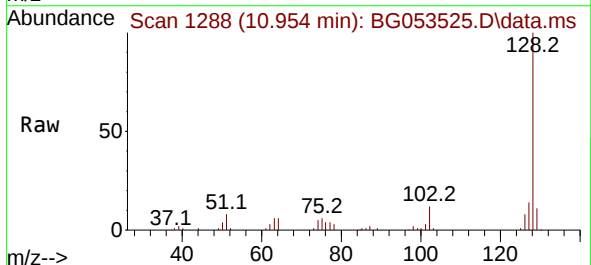
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

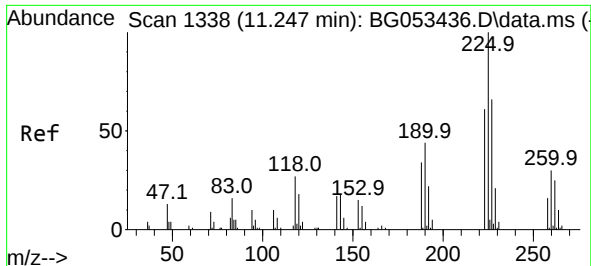
Tgt Ion:128 Resp: 77486
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 12.4 11.1 16.7



#33
4-Chloroaniline
Concen: 4.982 ng
RT: 10.954 min Scan# 1288
Delta R.T. -0.102 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:127 Resp: 10394
Ion Ratio Lower Upper
127 100
129 79.4 26.3 39.5#
65 0.0 31.1 46.7#
92 0.0 19.1 28.7#

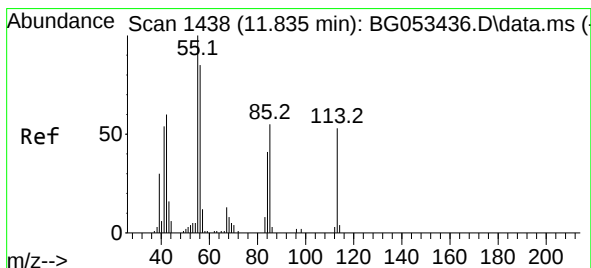
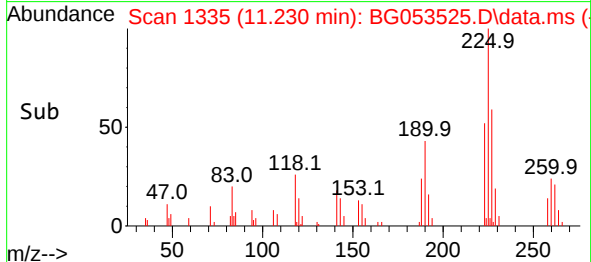
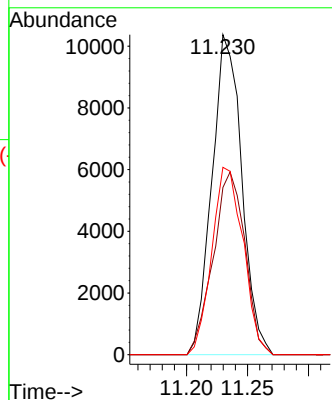
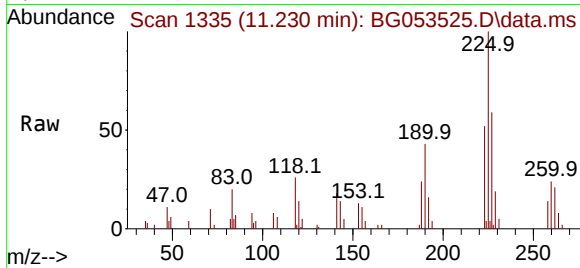




#34
Hexachlorobutadiene
Concen: 12.745 ng
RT: 11.230 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

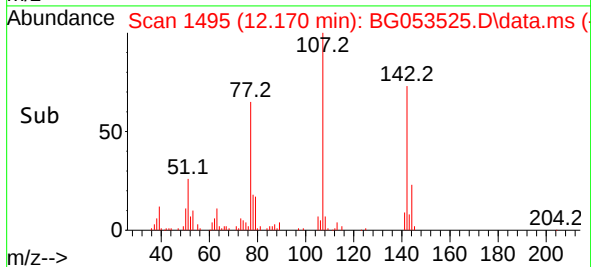
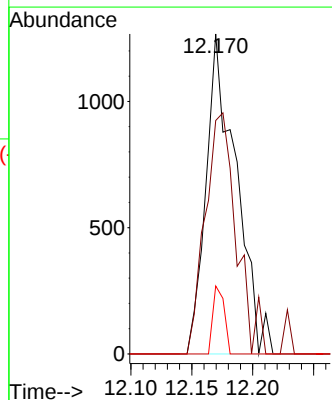
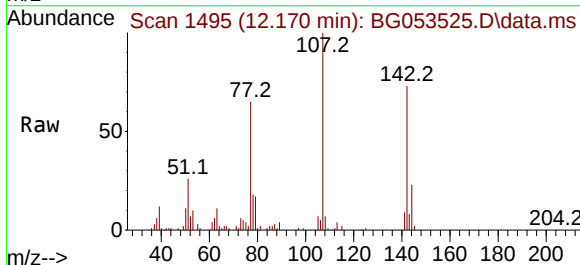
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

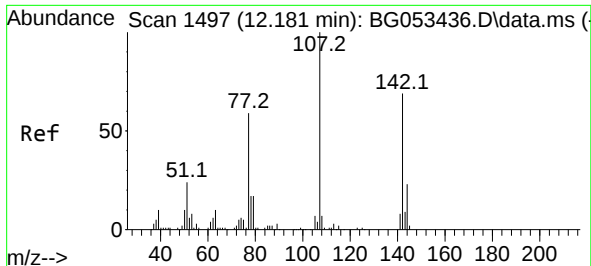
Tgt Ion:	225	Resp:	17590
Ion Ratio	Lower	Upper	
225	100		
223	52.3	48.9	73.3
227	58.6	52.8	79.2



#35
Caprolactam
Concen: 3.640 ng
RT: 12.170 min Scan# 1495
Delta R.T. 0.338 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:	113	Resp:	2167
Ion Ratio	Lower	Upper	
113	100		
55	72.9	169.8	209.8#
56	21.2	141.2	181.2#

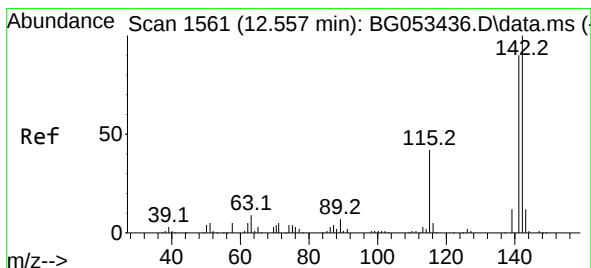
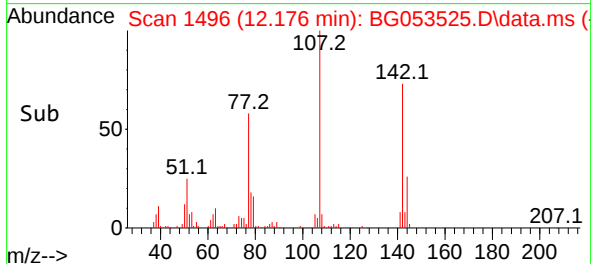
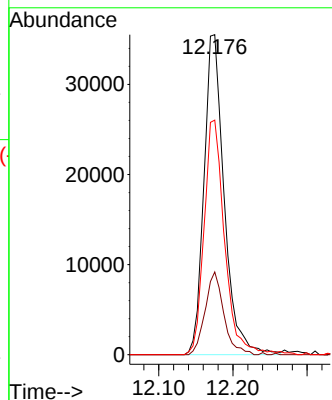
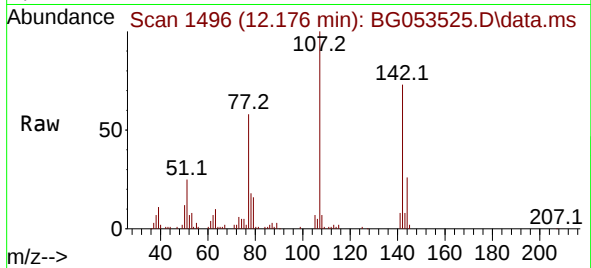




#36
4-Chloro-3-methylphenol
Concen: 34.372 ng
RT: 12.176 min Scan# 1496
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

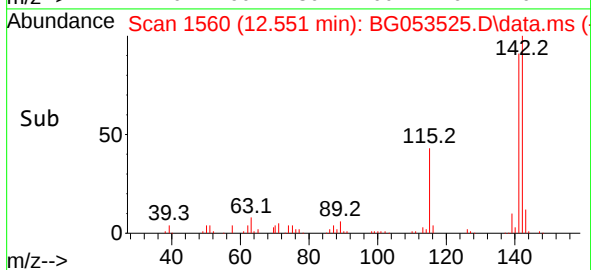
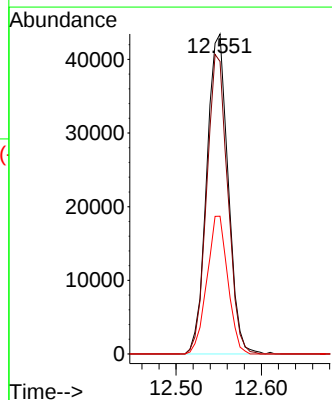
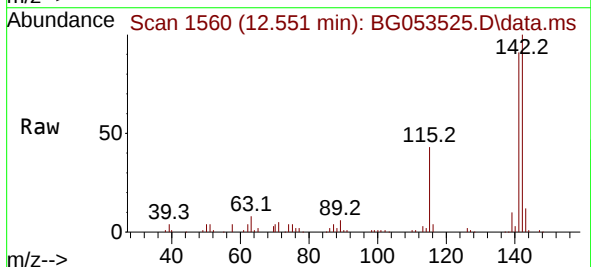
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

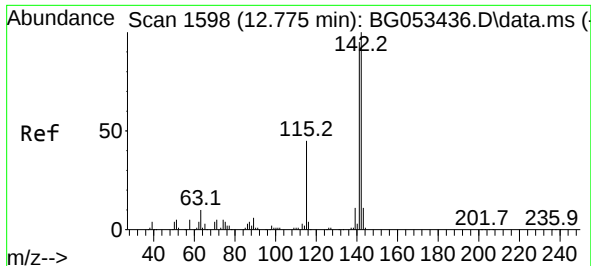
Tgt Ion:107 Resp: 67351
Ion Ratio Lower Upper
107 100
144 25.9 18.5 27.7
142 73.3 55.0 82.4



#37
2-Methylnaphthalene
Concen: 20.329 ng
RT: 12.551 min Scan# 1560
Delta R.T. 0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:142 Resp: 75582
Ion Ratio Lower Upper
142 100
141 91.4 72.3 108.5
115 43.0 33.7 50.5

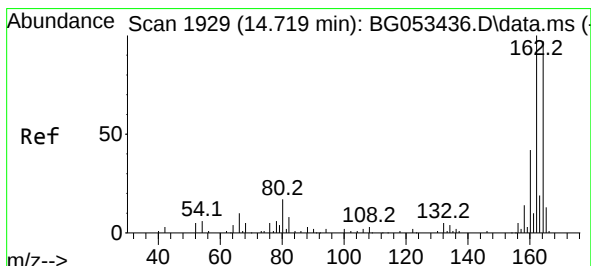
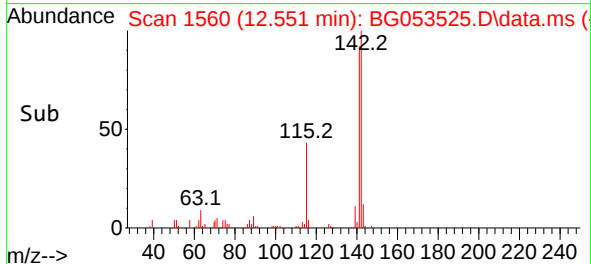
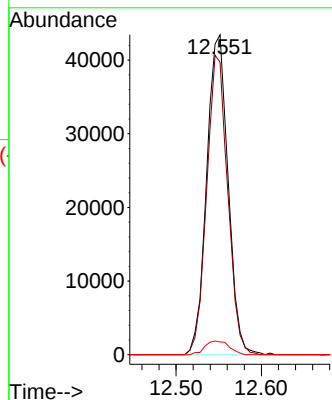
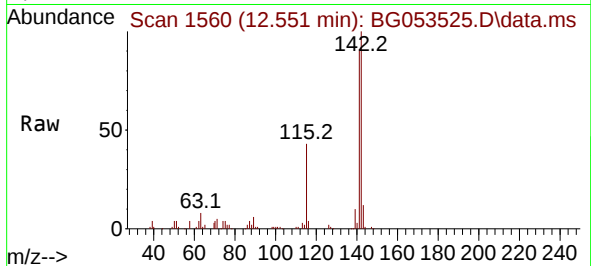




#38
1-Methylnaphthalene
Concen: 20.837 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.214 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

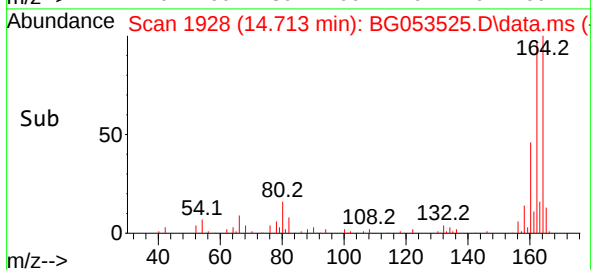
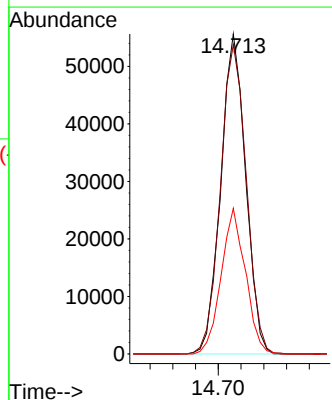
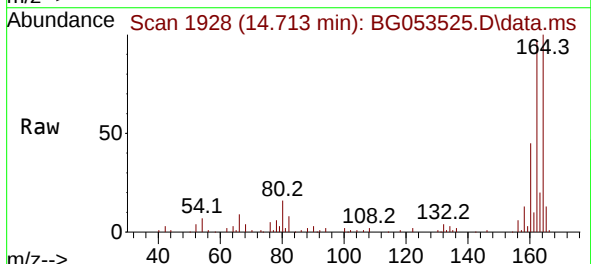
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

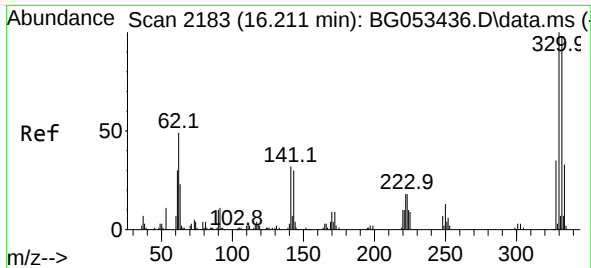
Tgt Ion:142 Resp: 75582
Ion Ratio Lower Upper
142 100
141 91.4 76.4 114.6
116 4.0 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.713 min Scan# 1928
Delta R.T. -0.002 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:164 Resp: 84335
Ion Ratio Lower Upper
164 100
162 96.7 82.3 123.5
160 45.5 34.2 51.2

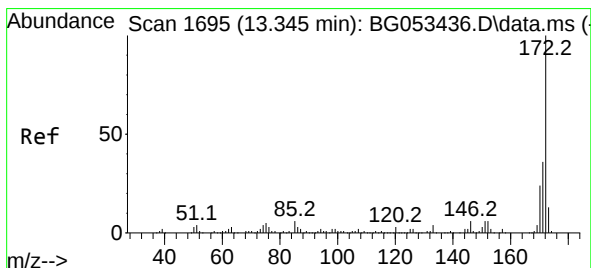
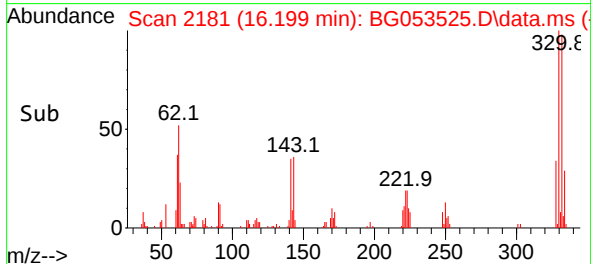
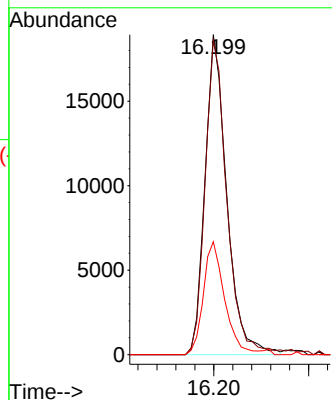
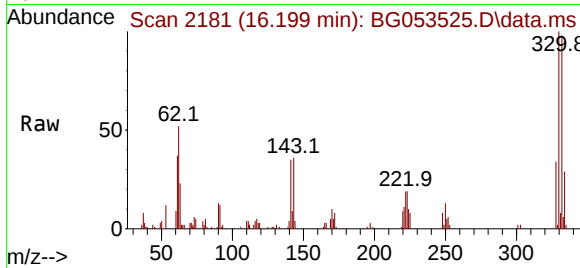




#42
2,4,6-Tribromophenol
Concen: 24.241 ng
RT: 16.199 min Scan# 2183
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

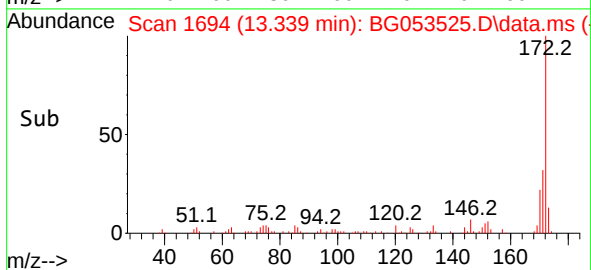
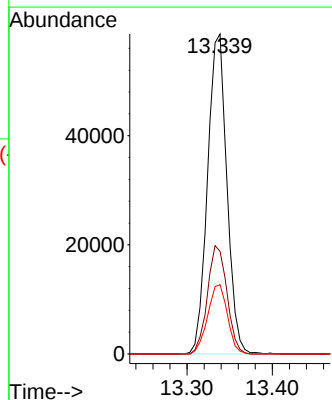
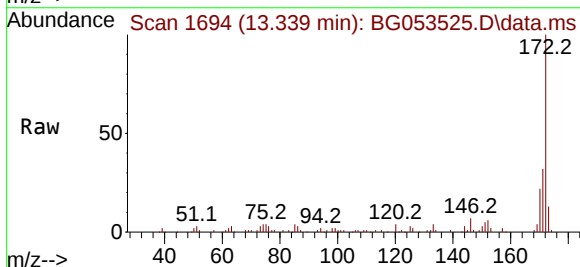
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

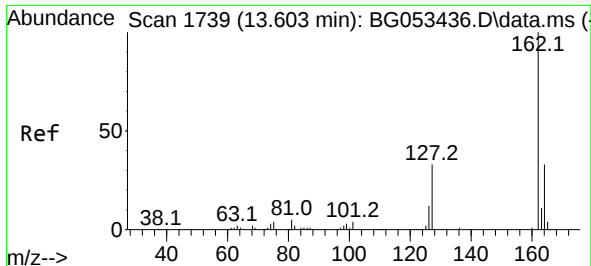
Tgt Ion:330 Resp: 30152
Ion Ratio Lower Upper
330 100
332 99.8 76.0 114.0
141 35.1 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 15.965 ng
RT: 13.339 min Scan# 1694
Delta R.T. 0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:172 Resp: 92139
Ion Ratio Lower Upper
172 100
171 32.1 28.5 42.7
170 21.6 18.9 28.3





#47

2-Chloronaphthalene

Concen: 19.599 ng

RT: 13.591 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG053525.D

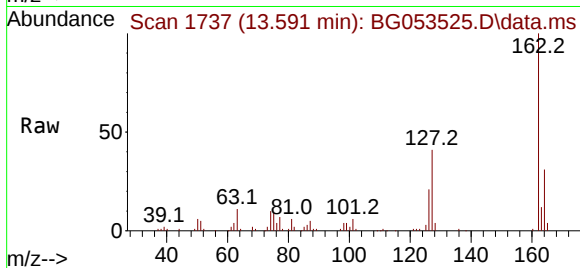
Acq: 11 May 2022 18:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD



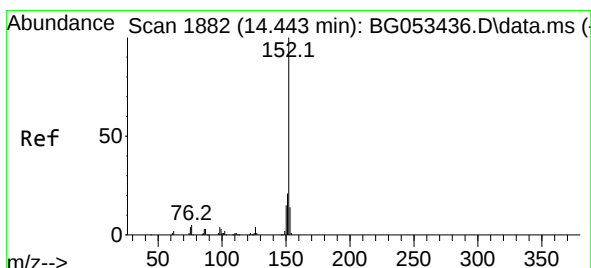
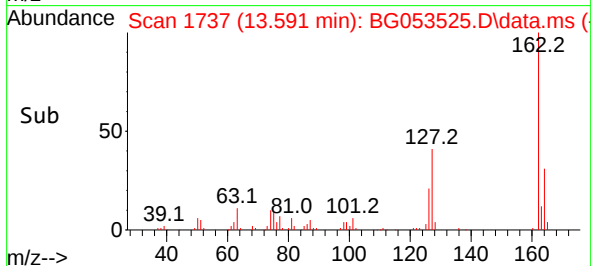
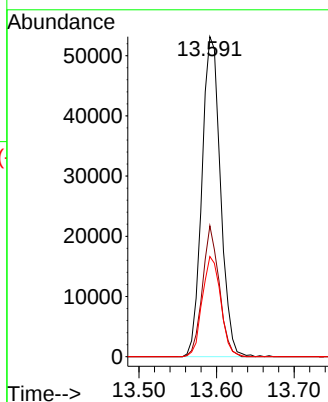
Tgt Ion:162 Resp: 88270

Ion Ratio Lower Upper

162 100

127 40.9 30.6 45.8

164 31.3 26.5 39.7



#49

Acenaphthylene

Concen: 19.777 ng

RT: 14.437 min Scan# 1881

Delta R.T. -0.002 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

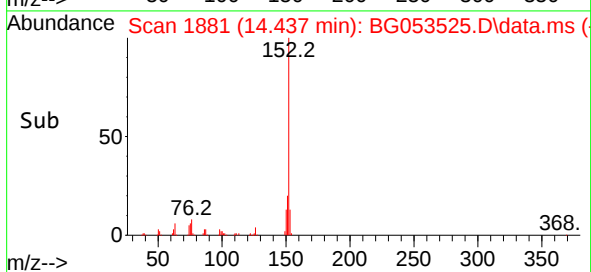
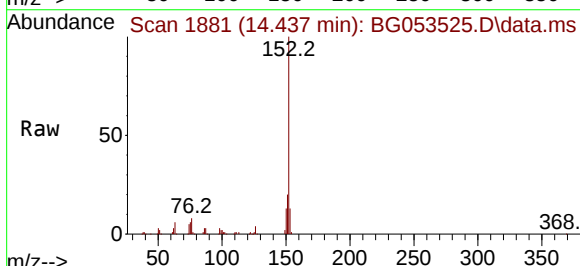
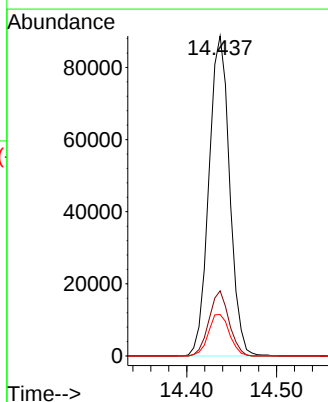
Tgt Ion:152 Resp: 142141

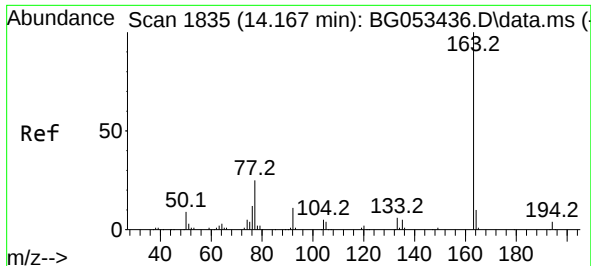
Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

153 13.0 10.8 16.2

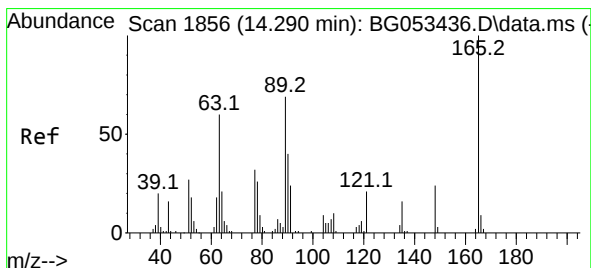
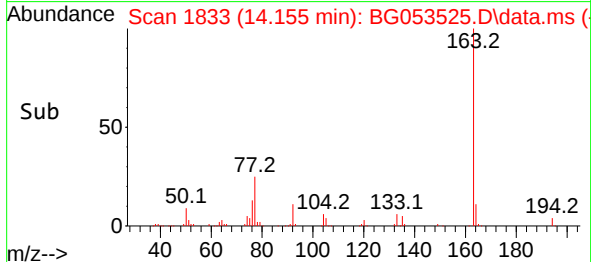
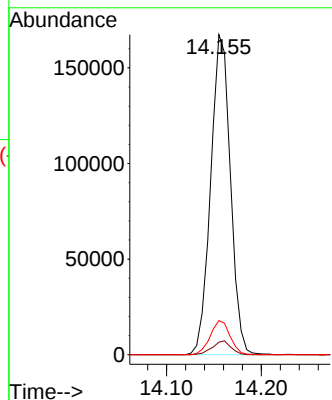
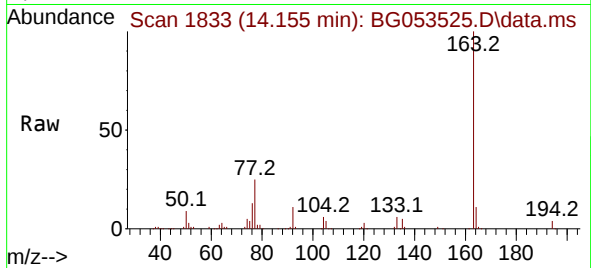




#50
Dimethylphthalate
Concen: 37.821 ng
RT: 14.155 min Scan# 1833
Delta R.T. -0.008 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

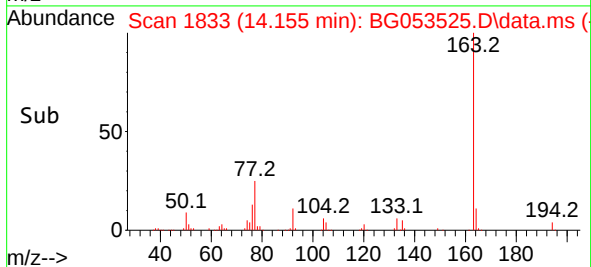
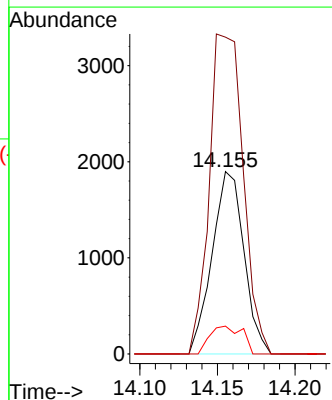
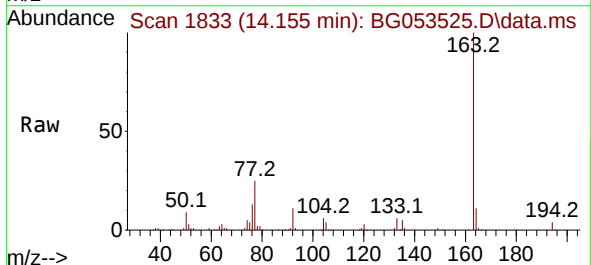
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

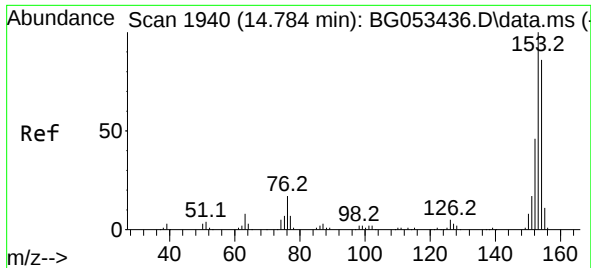
Tgt Ion:163 Resp: 242384
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.7 8.0 12.0



#51
2,6-Dinitrotoluene
Concen: 2.072 ng
RT: 14.155 min Scan# 1833
Delta R.T. -0.126 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:165 Resp: 2705
Ion Ratio Lower Upper
165 100
63 173.7 54.1 81.1#
89 15.3 54.8 82.2#

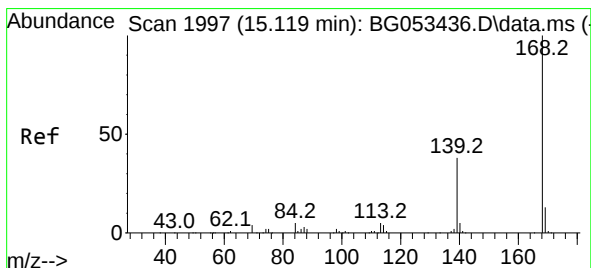
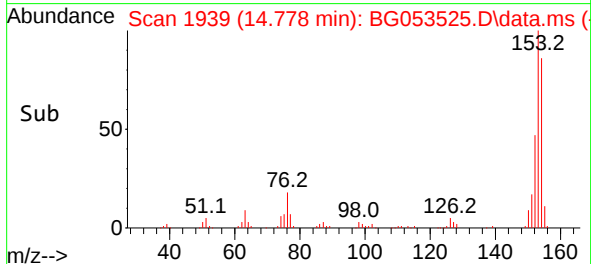
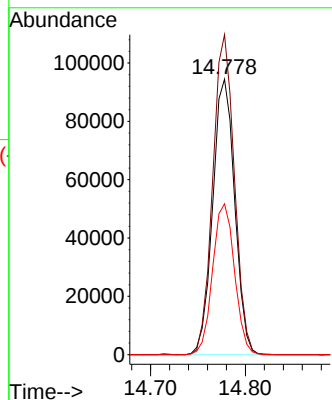
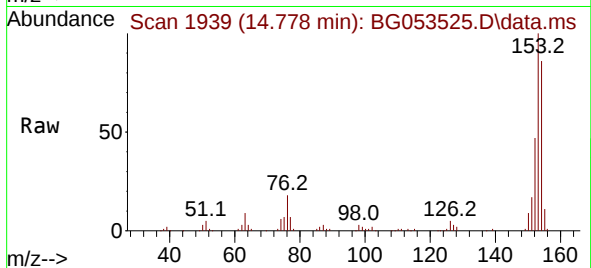




#52
Acenaphthene
Concen: 35.561 ng
RT: 14.778 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

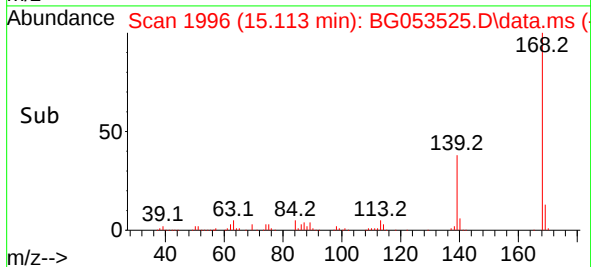
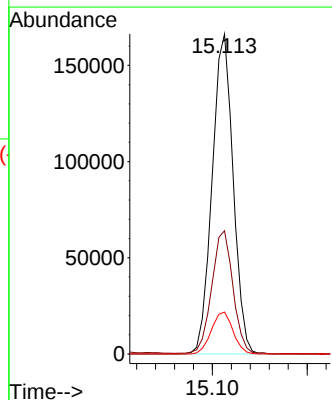
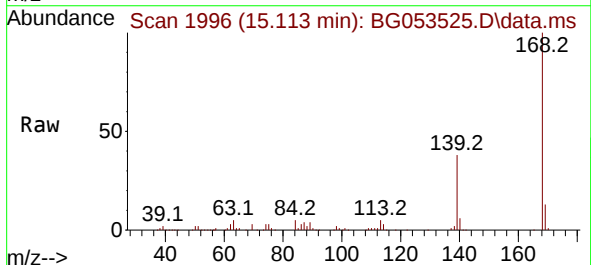
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

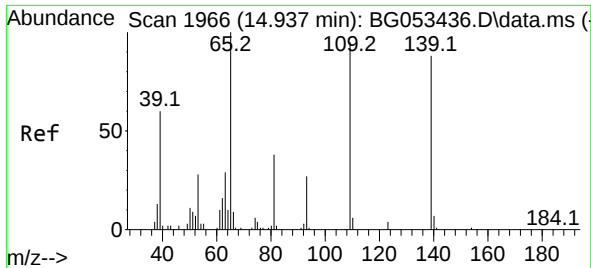
Tgt Ion:154 Resp: 152310
Ion Ratio Lower Upper
154 100
153 116.2 92.7 139.1
152 54.8 42.6 64.0



#55
Dibenzofuran
Concen: 33.179 ng
RT: 15.113 min Scan# 1996
Delta R.T. 0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:168 Resp: 255252
Ion Ratio Lower Upper
168 100
139 38.5 30.5 45.7
169 13.1 10.3 15.5

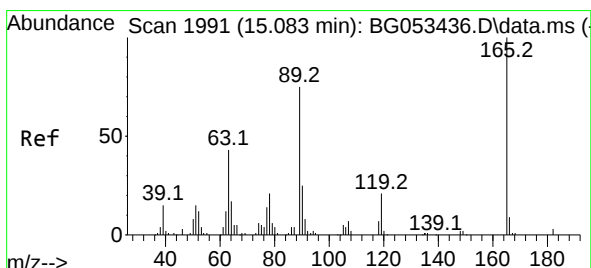
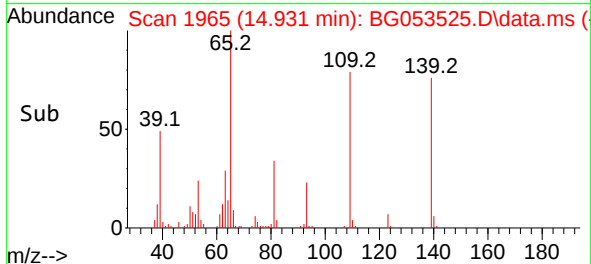
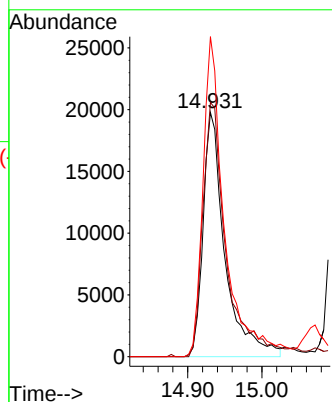
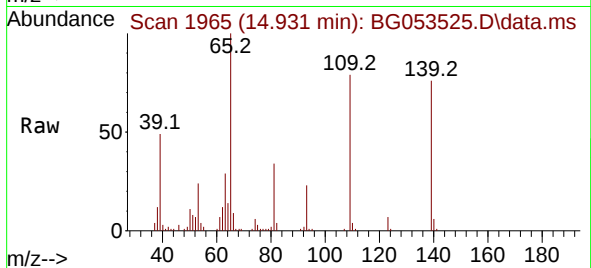




#56
4-Nitrophenol
Concen: 40.173 ng
RT: 14.931 min Scan# 1965
Delta R.T. -0.002 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

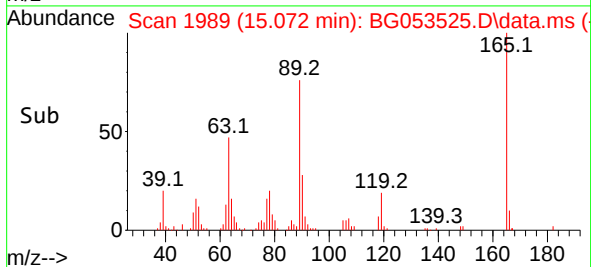
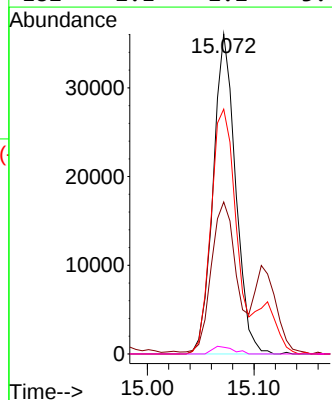
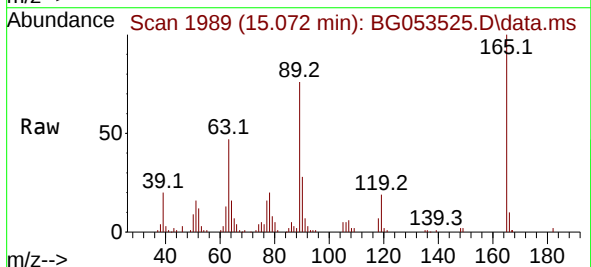
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

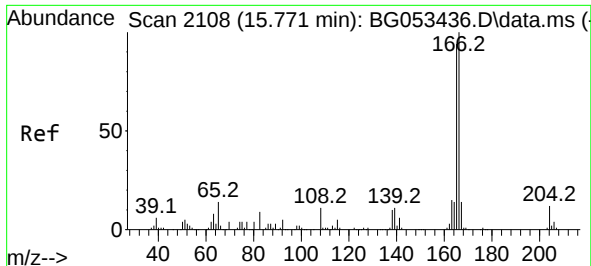
Tgt Ion:139 Resp: 40479
Ion Ratio Lower Upper
139 100
109 104.1 88.5 128.5
65 131.0 93.9 133.9



#57
2,4-Dinitrotoluene
Concen: 27.855 ng
RT: 15.072 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:165 Resp: 52717
Ion Ratio Lower Upper
165 100
63 47.5 34.6 52.0
89 76.5 60.3 90.5
182 2.1 2.2 3.4#

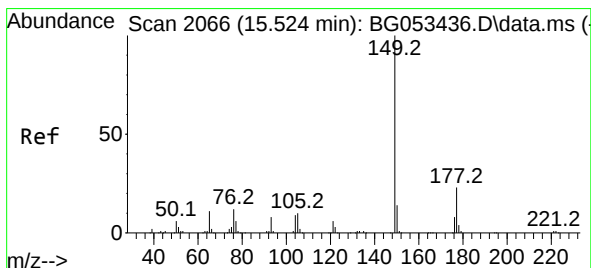
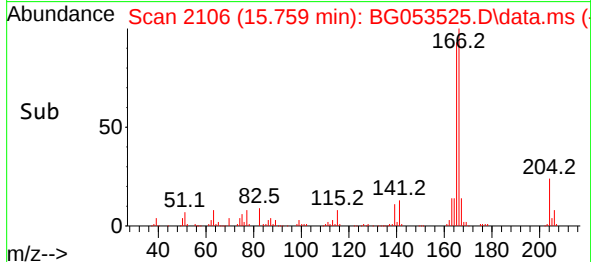
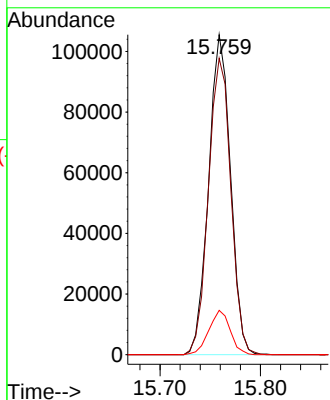
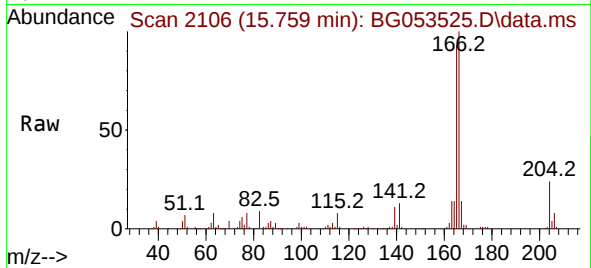




#58
Fluorene
Concen: 25.903 ng
RT: 15.759 min Scan# 2106
Delta R.T. -0.002 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

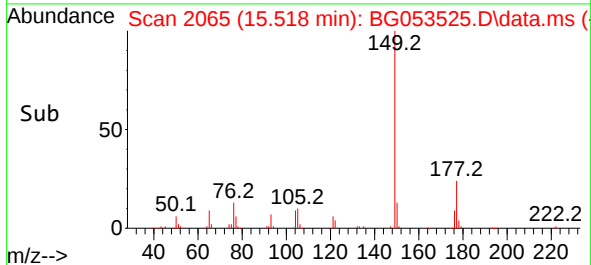
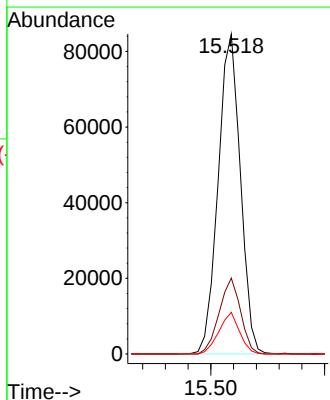
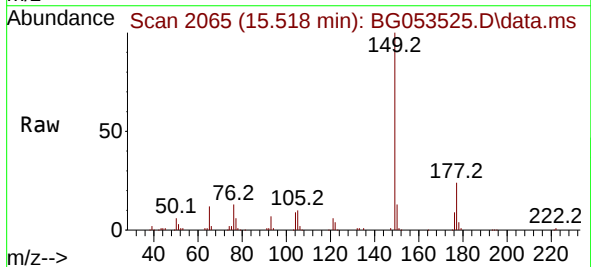
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

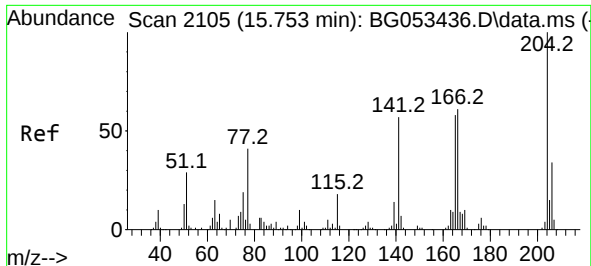
Tgt Ion:166 Resp: 159918
Ion Ratio Lower Upper
166 100
165 92.6 75.0 112.6
167 13.9 10.8 16.2



#60
Diethylphthalate
Concen: 17.356 ng
RT: 15.518 min Scan# 2065
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:149 Resp: 114899
Ion Ratio Lower Upper
149 100
177 23.7 18.4 27.6
150 13.0 11.2 16.8

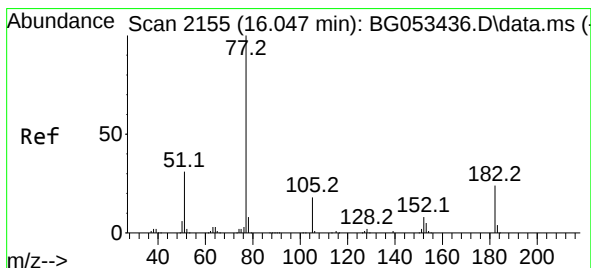
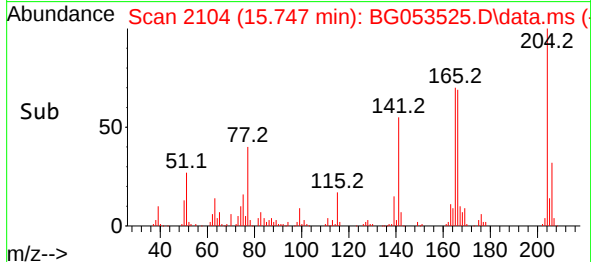
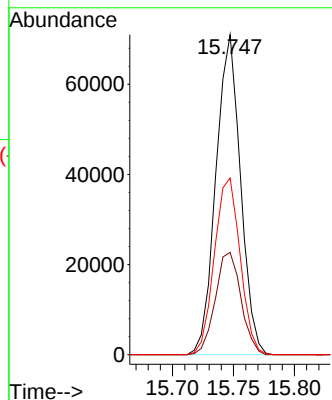
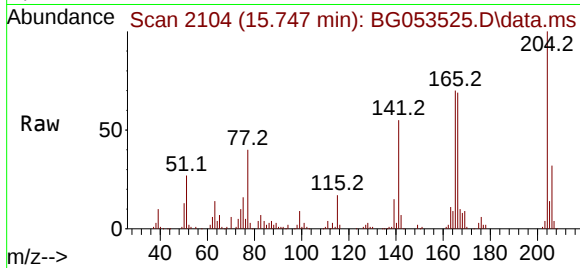




#61
4-Chlorophenyl-phenylether
Concen: 28.917 ng
RT: 15.747 min Scan# 2104
Delta R.T. 0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

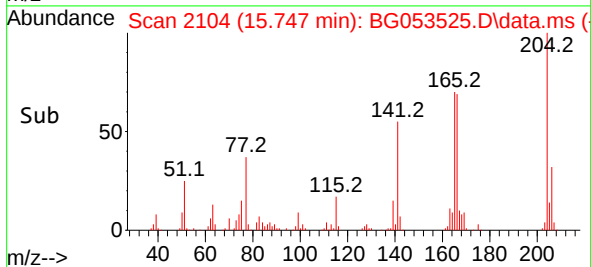
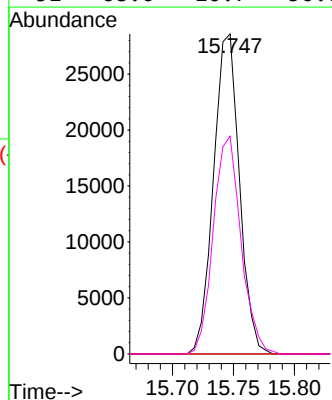
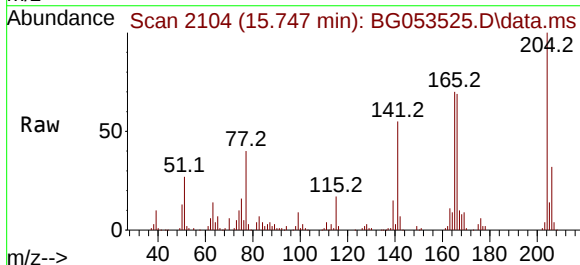
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

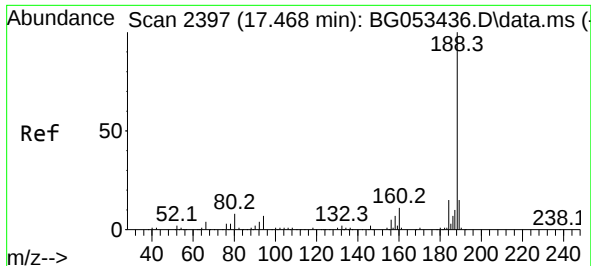
Tgt Ion: 204 Resp: 99621
Ion Ratio Lower Upper
204 100
206 32.0 27.5 41.3
141 55.2 45.3 67.9



#63
Azobenzene
Concen: 6.227 ng
RT: 15.747 min Scan# 2104
Delta R.T. -0.290 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion: 77 Resp: 42215
Ion Ratio Lower Upper
77 100
182 0.0 3.8 43.8#
105 0.0 0.0 37.8
51 68.0 10.7 50.7#

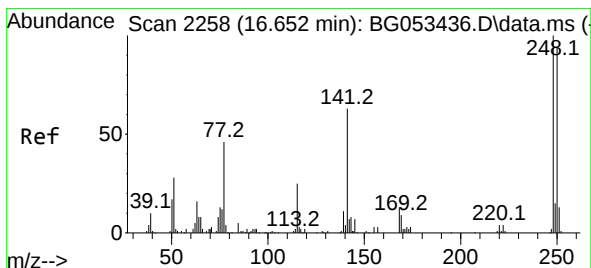
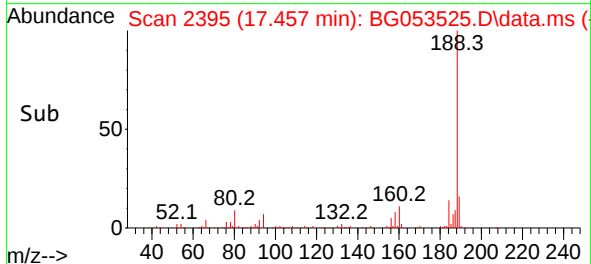
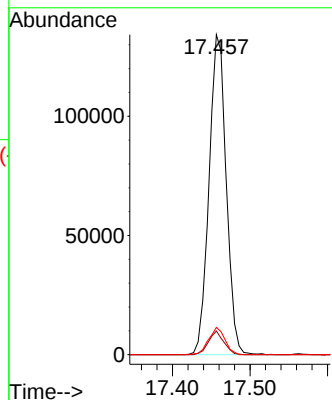
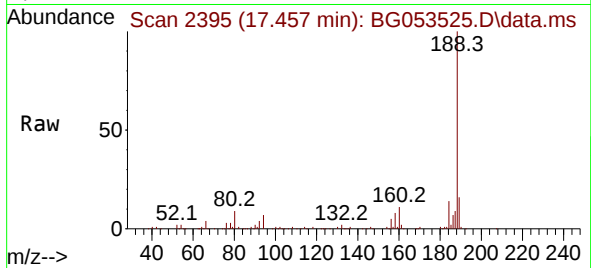




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.457 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

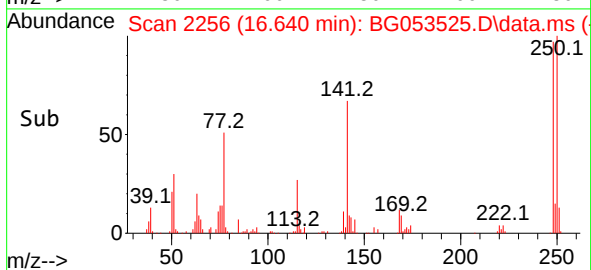
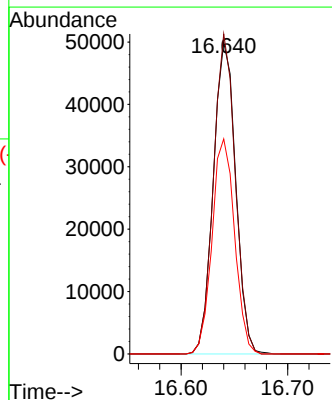
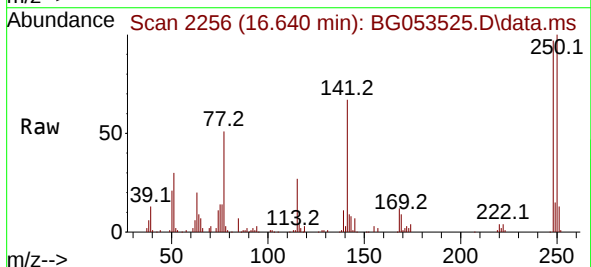
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

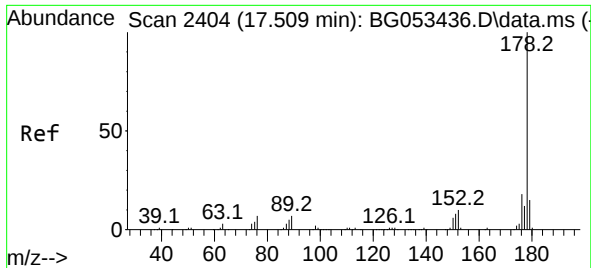
Tgt Ion:188 Resp: 206491
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 8.5 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 30.201 ng
RT: 16.640 min Scan# 2256
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:248 Resp: 72832
Ion Ratio Lower Upper
248 100
250 102.7 75.2 112.8
141 69.0 50.0 75.0

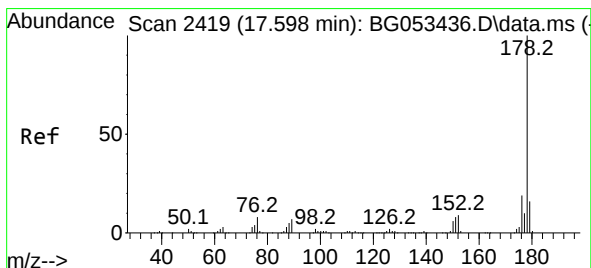
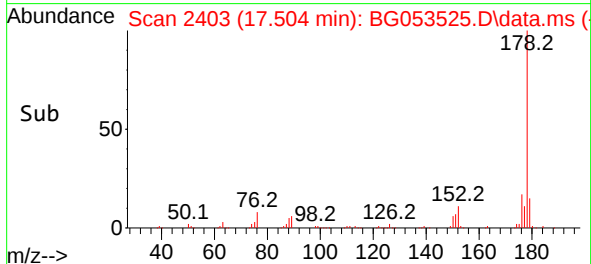
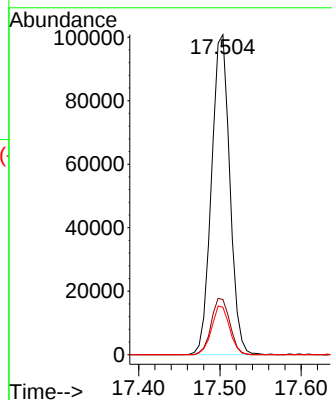
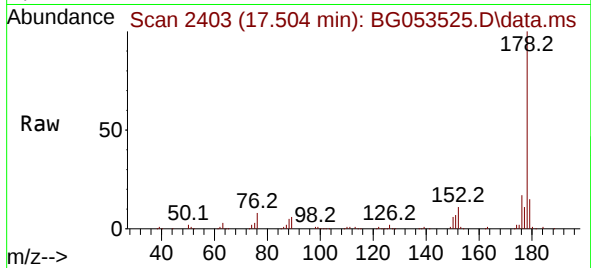




#71
Phenanthrene
Concen: 15.005 ng
RT: 17.504 min Scan# 2403
Delta R.T. 0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

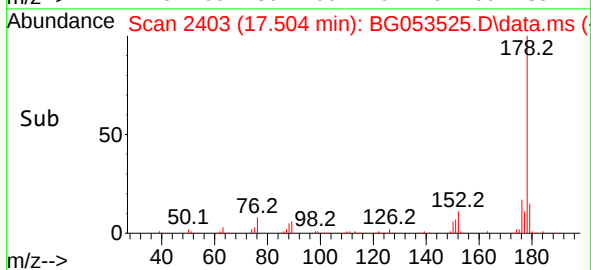
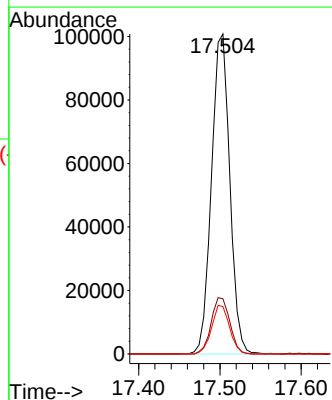
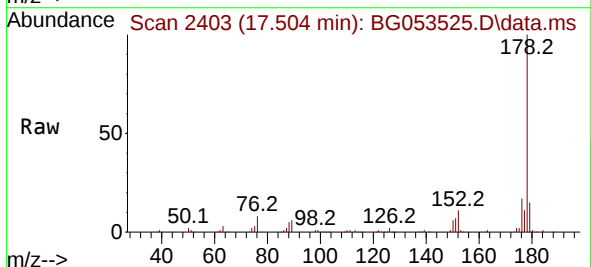
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

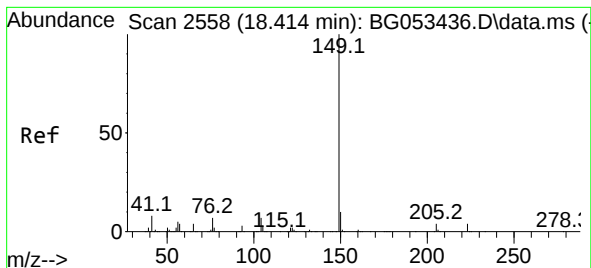
Tgt Ion:178 Resp: 157550
Ion Ratio Lower Upper
178 100
176 17.3 14.1 21.1
179 14.8 12.1 18.1



#72
Anthracene
Concen: 15.266 ng
RT: 17.504 min Scan# 2403
Delta R.T. -0.091 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:178 Resp: 157550
Ion Ratio Lower Upper
178 100
176 17.3 15.2 22.8
179 14.8 13.0 19.4





#74

Di-n-butylphthalate

Concen: 28.724 ng

RT: 18.408 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

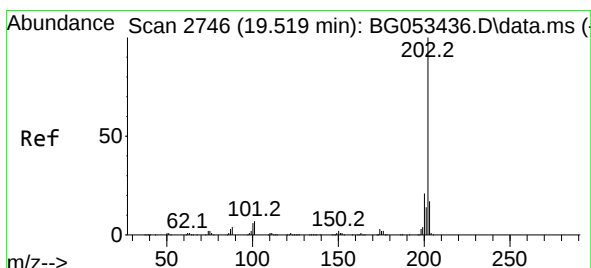
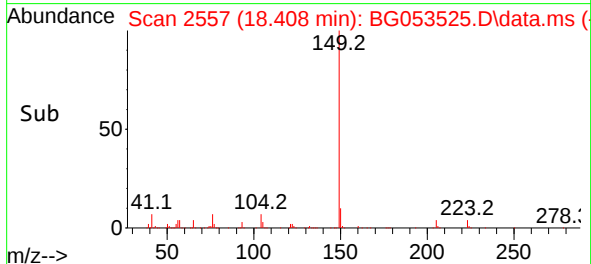
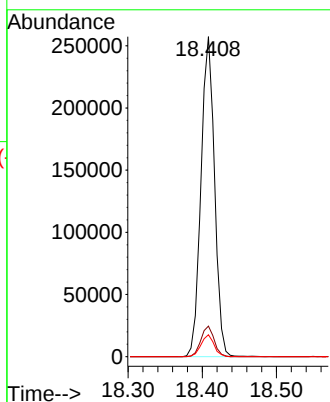
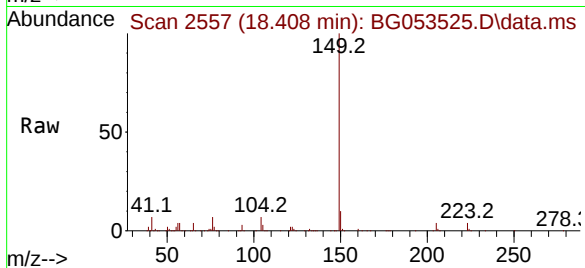
Tgt Ion:149 Resp: 326746

Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

104 6.9 5.4 8.0



#75

Fluoranthene

Concen: 11.943 ng

RT: 19.871 min Scan# 2806

Delta R.T. 0.362 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

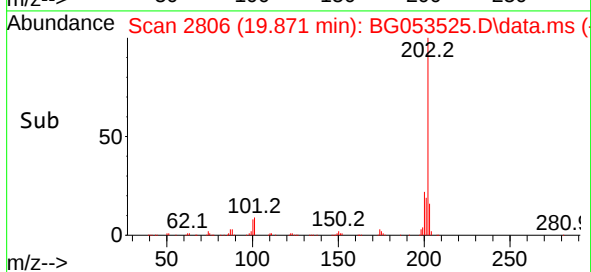
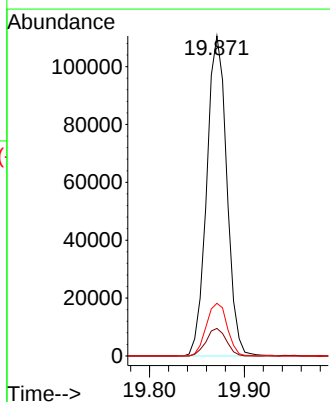
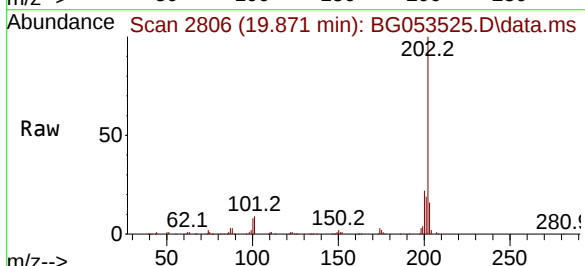
Tgt Ion:202 Resp: 162361

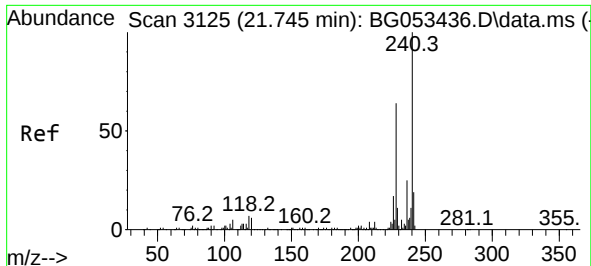
Ion Ratio Lower Upper

202 100

101 8.6 0.0 26.9

203 16.4 0.0 37.2

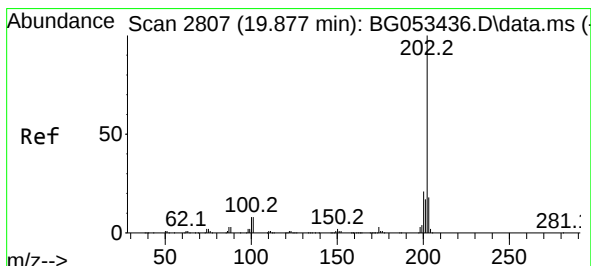
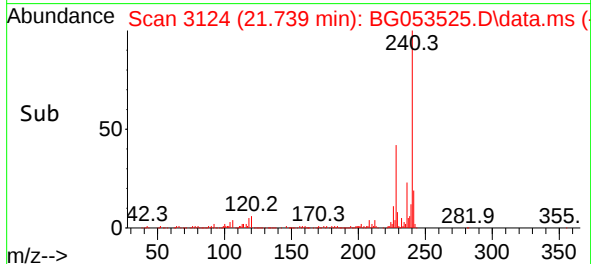
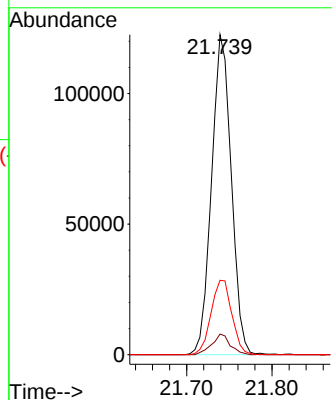
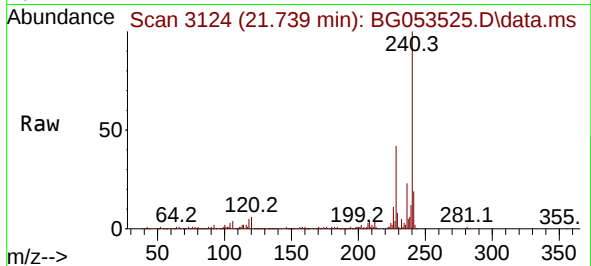




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.739 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

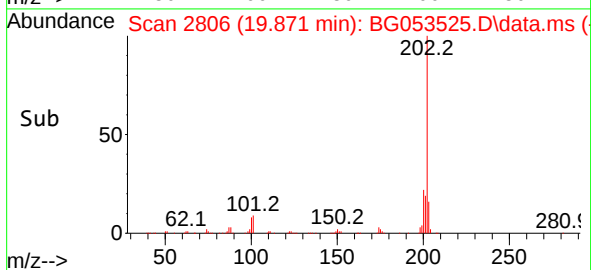
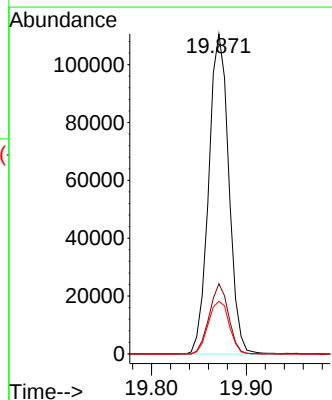
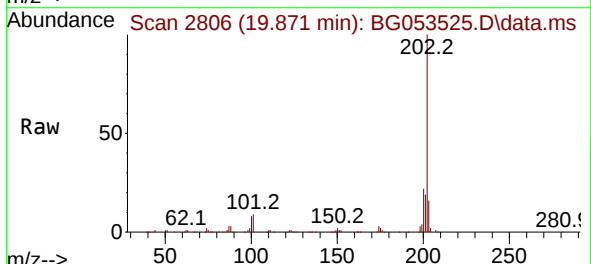
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

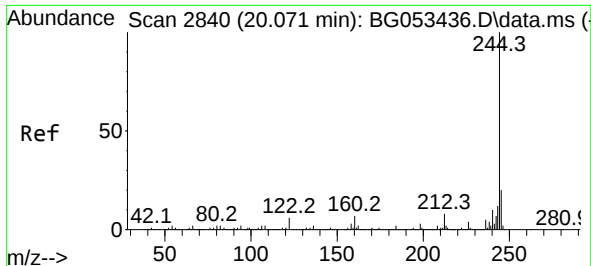
Tgt Ion:240 Resp: 196331
Ion Ratio Lower Upper
240 100
120 6.5 4.6 7.0
236 23.2 20.2 30.4



#78
Pyrene
Concen: 12.775 ng
RT: 19.871 min Scan# 2806
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

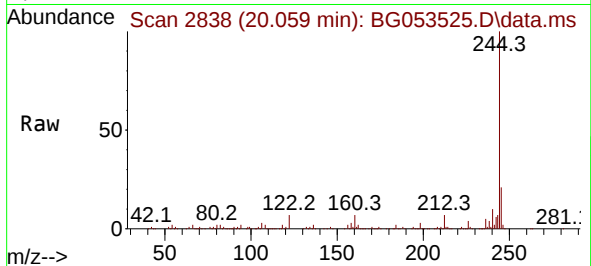
Tgt Ion:202 Resp: 162361
Ion Ratio Lower Upper
202 100
200 21.9 16.6 24.8
203 16.4 14.6 21.8



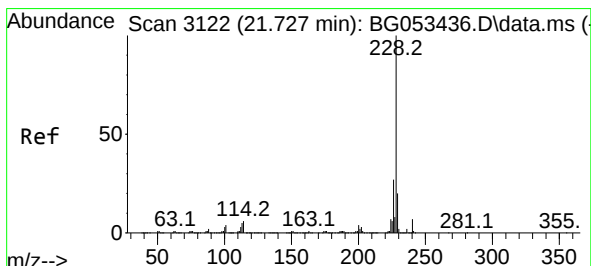
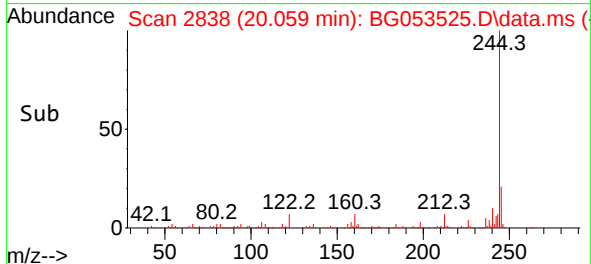
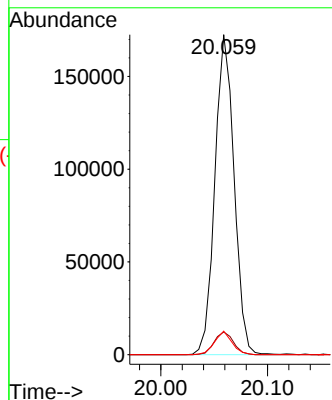


#79
 Terphenyl-d14
 Concen: 20.458 ng
 RT: 20.059 min Scan# 215661
 Delta R.T. -0.003 min
 Lab File: BG053525.D
 Acq: 11 May 2022 18:15

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

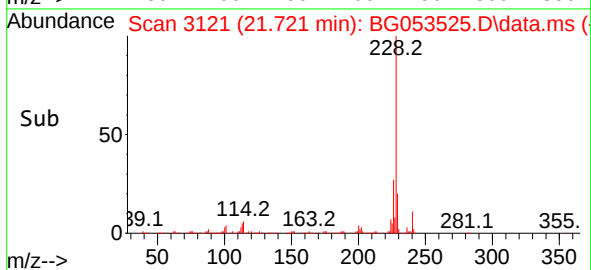
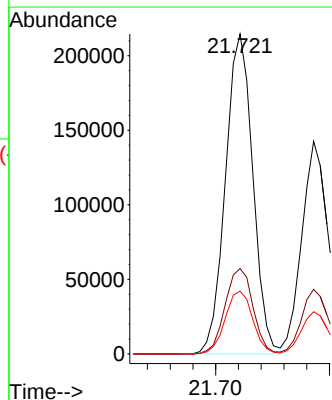
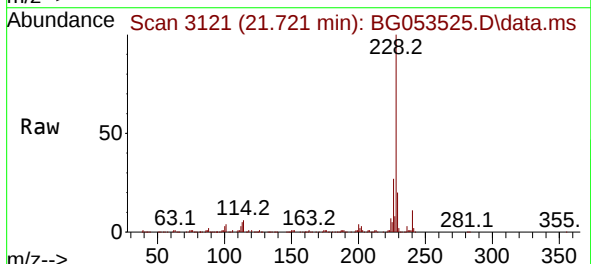


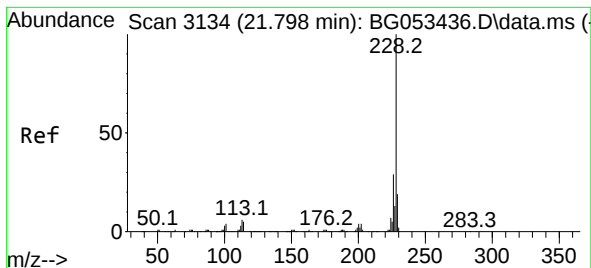
Tgt Ion:244 Resp: 215661
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 7.3 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 28.668 ng
 RT: 21.721 min Scan# 3121
 Delta R.T. 0.003 min
 Lab File: BG053525.D
 Acq: 11 May 2022 18:15

Tgt Ion:228 Resp: 358997
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.6 32.4
 229 19.7 16.2 24.2





#83

Chrysene

Concen: 19.696 ng

RT: 21.786 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

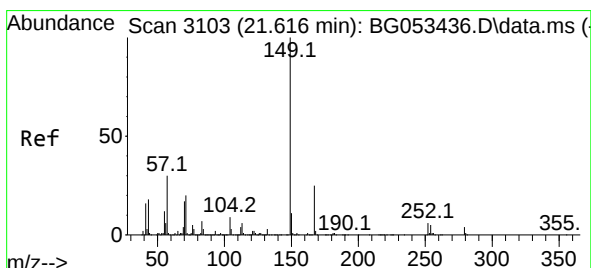
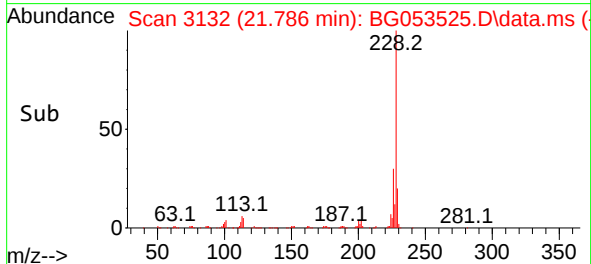
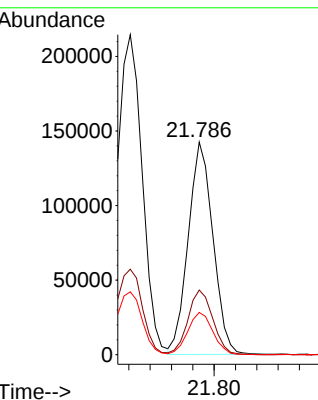
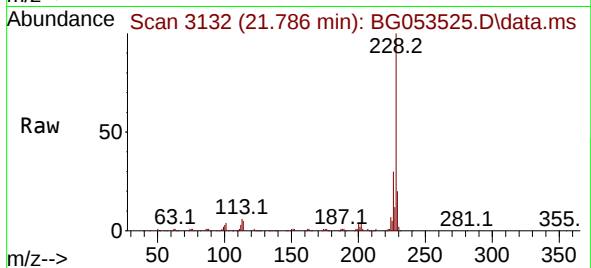
Tgt Ion:228 Resp: 230357

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

229 19.9 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.046 ng

RT: 21.610 min Scan# 3102

Delta R.T. 0.003 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

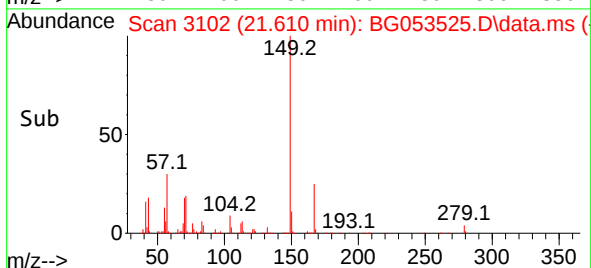
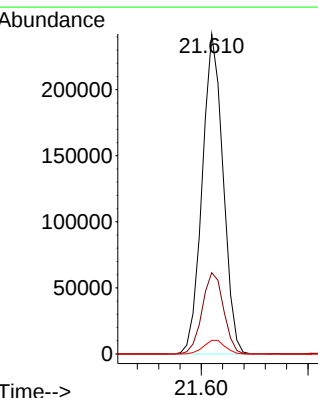
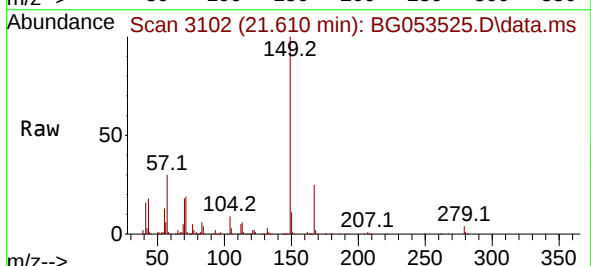
Tgt Ion:149 Resp: 328357

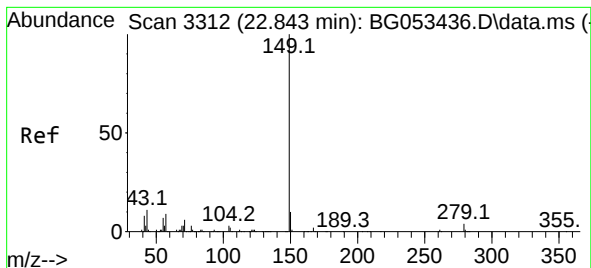
Ion Ratio Lower Upper

149 100

167 25.4 20.2 30.4

279 4.3 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 14.656 ng

RT: 22.838 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

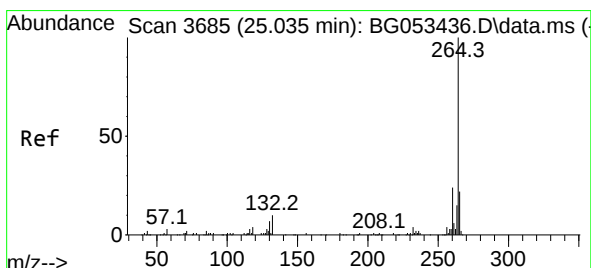
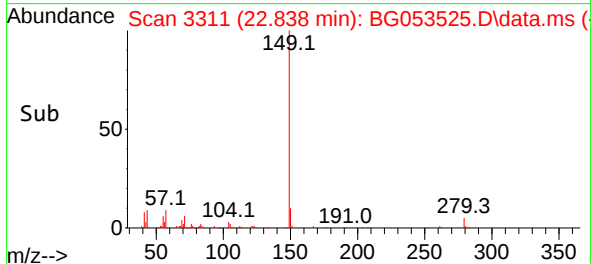
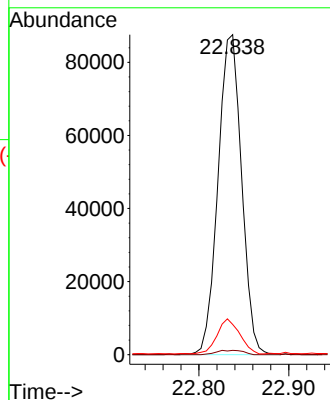
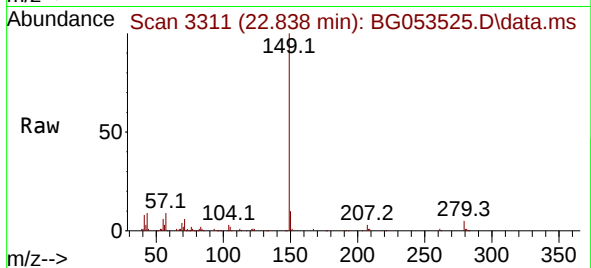
Tgt Ion:149 Resp: 159415

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 10.5 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.023 min Scan# 3683

Delta R.T. 0.003 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

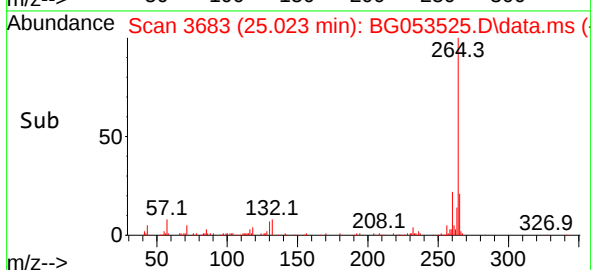
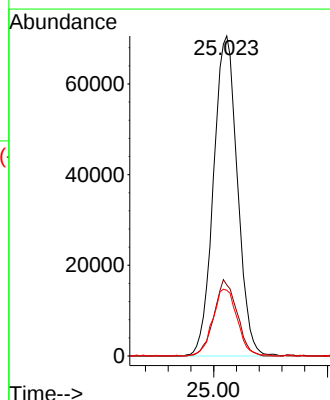
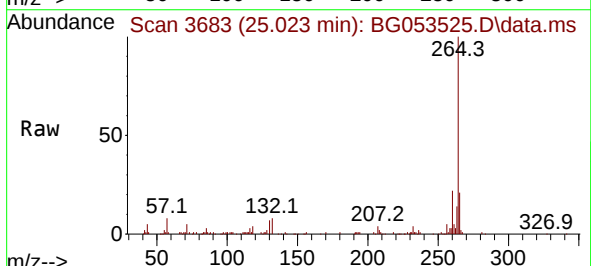
Tgt Ion:264 Resp: 206046

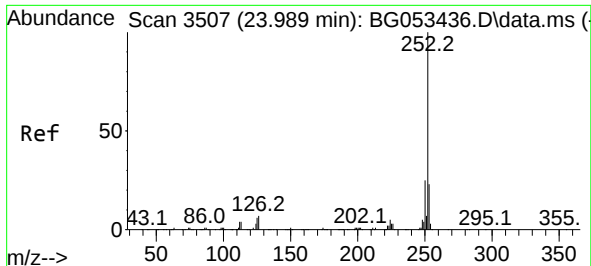
Ion Ratio Lower Upper

264 100

260 22.2 19.0 28.6

265 20.6 17.4 26.2

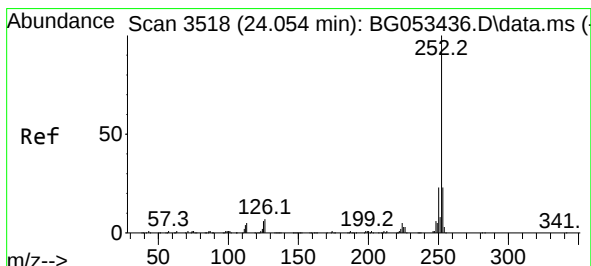
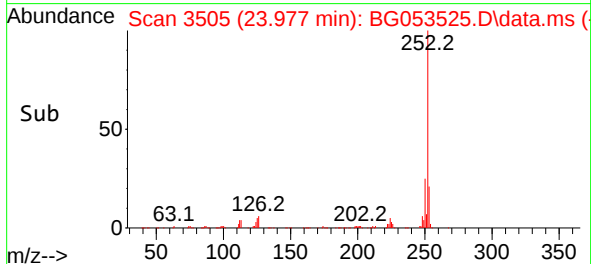
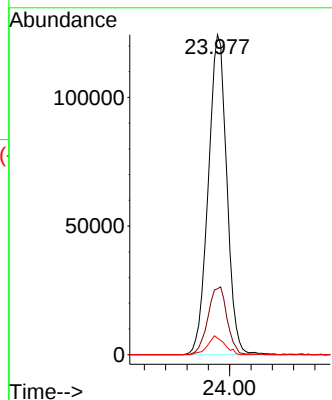
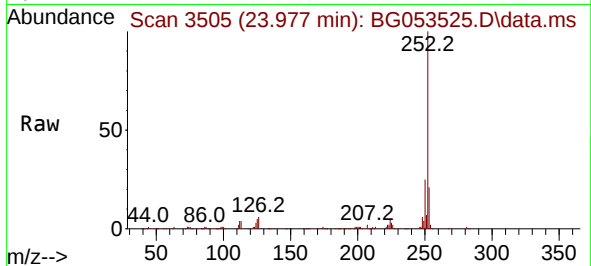




#88
Benzo(b)fluoranthene
Concen: 24.576 ng
RT: 23.977 min Scan# 3505
Delta R.T. -0.003 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

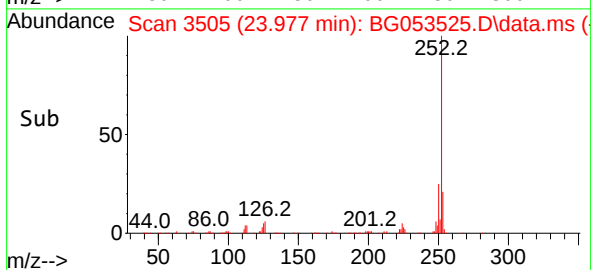
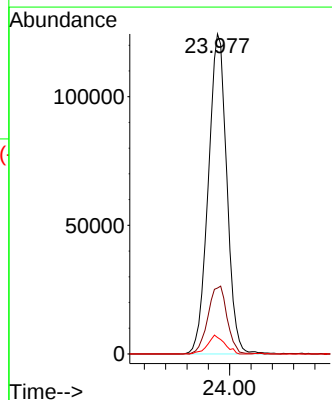
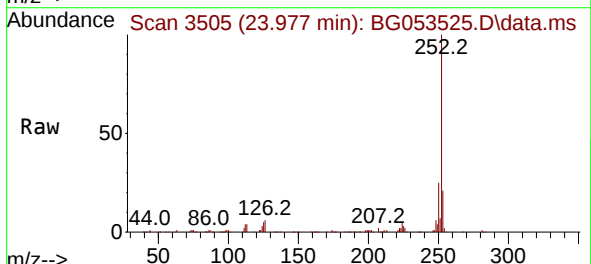
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

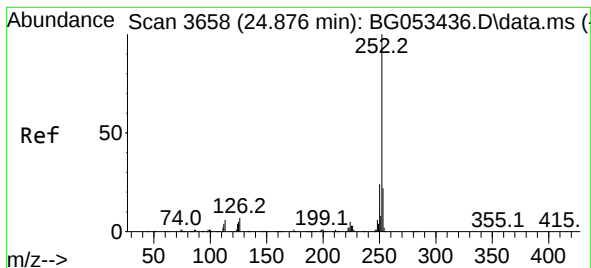
Tgt Ion:252 Resp: 299739
Ion Ratio Lower Upper
252 100
253 20.6 18.0 27.0
125 5.2 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 25.010 ng
RT: 23.977 min Scan# 3505
Delta R.T. -0.067 min
Lab File: BG053525.D
Acq: 11 May 2022 18:15

Tgt Ion:252 Resp: 299739
Ion Ratio Lower Upper
252 100
253 20.6 18.4 27.6
125 5.2 4.8 7.2





#90

Benzo(a)pyrene

Concen: 18.108 ng

RT: 24.870 min Scan# 3

Delta R.T. 0.003 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

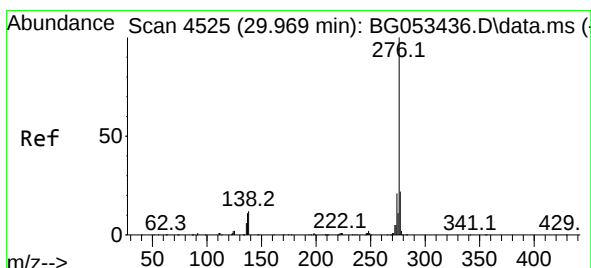
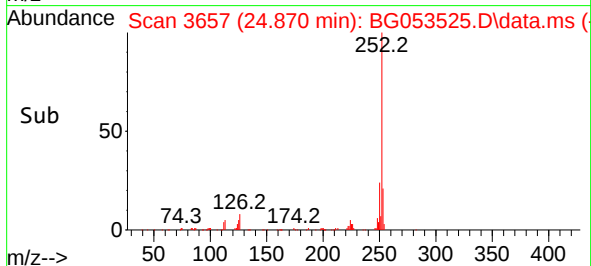
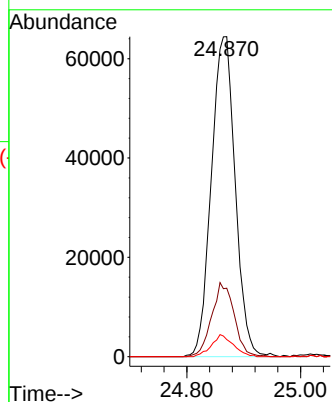
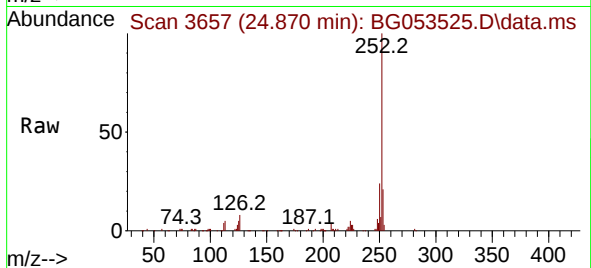
Tgt Ion:252 Resp: 187972

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 5.3 4.3 6.5



#92

Benzo(g,h,i)perylene

Concen: 12.895 ng

RT: 29.946 min Scan# 4521

Delta R.T. -0.008 min

Lab File: BG053525.D

Acq: 11 May 2022 18:15

Tgt Ion:276 Resp: 151148

Ion Ratio Lower Upper

276 100

277 21.0 17.3 25.9

138 14.4 9.6 14.4

