

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051122\
 Data File : BG053524.D
 Acq On : 11 May 2022 13:26
 Operator : CG/JU
 Sample : N2656-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 11 14:08:16 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	8.083	152	21313	20.000	ng	0.00
21) Naphthalene-d8	10.897	136	92336	20.000	ng	0.00
39) Acenaphthene-d10	14.715	164	75143	20.000	ng	0.00
64) Phenanthrene-d10	17.459	188	176483	20.000	ng	0.00
76) Chrysene-d12	21.747	240	162914	20.000	ng	0.00
86) Perylene-d12	25.019	264	179673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	128562	102.373	ng	0.00
7) Phenol-d6	7.249	99	210746	110.575	ng	0.00
23) Nitrobenzene-d5	9.246	82	154275	71.123	ng	0.00
42) 2,4,6-Tribromophenol	16.202	330	136204	122.898	ng	0.00
45) 2-Fluorobiphenyl	13.335	172	380279	73.952	ng	0.00
79) Terphenyl-d14	20.061	244	776262	88.744	ng	0.00
Target Compounds						Qvalue
6) Aniline	7.496	93	136658	64.738	ng	# 54
8) 2-Chlorophenol	7.654	128	137489	104.726	ng	98
11) bis(2-Chloroethyl)ether	7.496	93	136658	98.300	ng	96
12) 1,3-Dichlorobenzene	8.441	146	84176	54.350	ng	93
13) 1,4-Dichlorobenzene	7.977	146	108481	69.411	ng	98
14) 1,2-Dichlorobenzene	8.441	146	84509	57.583	ng	96
18) Hexachloroethane	9.170	117	64850	109.267	ng	98
25) Isophorone	9.816	82	353346	96.793	ng	98
26) 2-Nitrophenol	9.816	139	5176	6.087	ng	# 55
28) bis(2-Chloroethoxy)met...	10.292	93	285251	135.864	ng	96
29) 2,4-Dichlorophenol	10.550	162	225210	145.821	ng	94
31) Naphthalene	10.950	128	325218	69.241	ng	99
32) Benzoic acid	10.280	122	69	8.557	ng	# 1
33) 4-Chloroaniline	10.950	127	43556	22.143	ng	# 32
34) Hexachlorobutadiene	11.232	225	72148	55.448	ng	98
35) Caprolactam	12.172	113	10240	18.245	ng	# 9
36) 4-Chloro-3-methylphenol	12.172	107	298947	161.820	ng	97
37) 2-Methylnaphthalene	12.548	142	323104	92.179	ng	98
38) 1-Methylnaphthalene	12.548	142	323104	94.478	ng	93
47) 2-Chloronaphthalene	13.593	162	358955	89.448	ng	99
48) 2-Nitroaniline	14.163	65	12137	8.117	ng	# 1
49) Acenaphthylene	14.439	152	573847	89.612	ng	99
50) Dimethylphthalate	14.163	163	975637	170.860	ng	98
51) 2,6-Dinitrotoluene	14.163	165	11413	9.811	ng	# 1
52) Acenaphthene	14.780	154	612541	160.508	ng	98
54) 2,4-Dinitrophenol	14.944	184	72	6.334	ng	# 1
55) Dibenzofuran	15.115	168	984566	143.632	ng	97
56) 4-Nitrophenol	14.939	139	184741	205.772	ng	84
57) 2,4-Dinitrotoluene	15.080	165	213947	126.876	ng	# 85
58) Fluorene	15.761	166	618614	112.458	ng	98
60) Diethylphthalate	15.520	149	447406	75.852	ng	100
61) 4-Chlorophenyl-phenyle...	15.749	204	402304	131.064	ng	100
62) 4-Nitroaniline	15.761	138	9924	7.612	ng	# 11
63) Azobenzene	15.749	77	169352	28.038	ng	# 43
66) n-Nitrosodiphenylamine	15.749	169	38720	8.356	ng	# 49
67) 4-Bromophenyl-phenylether	16.642	248	294866	143.061	ng	95

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

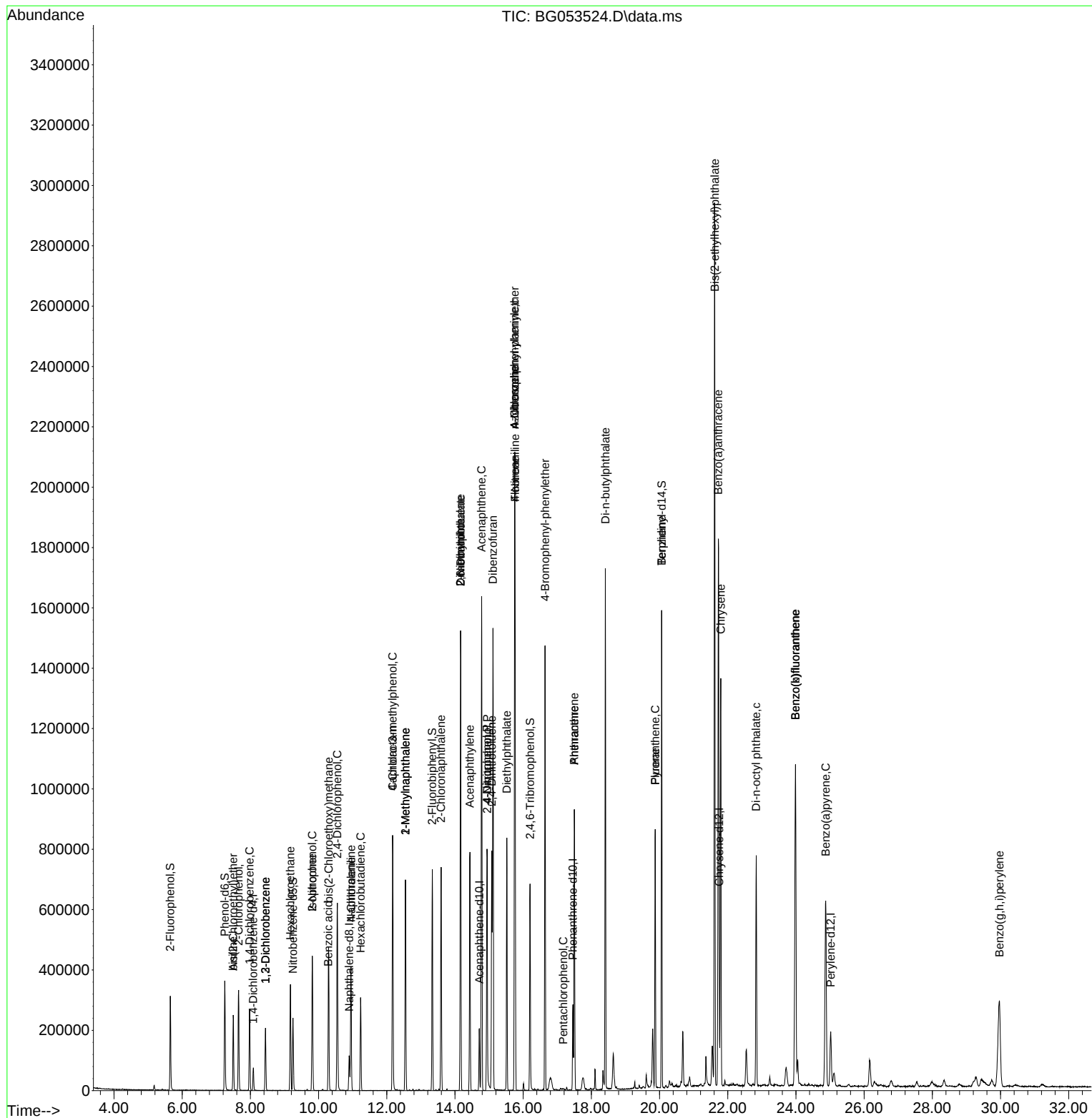
70) Pentachlorophenol	17.177	266	62	4.698	ng	# 25
71) Phenanthrene	17.500	178	603895	67.295	ng	98
72) Anthracene	17.500	178	603895	68.465	ng	99
74) Di-n-butylphthalate	18.410	149	1186054	121.993	ng	98
75) Fluoranthene	19.873	202	580146	49.929	ng	99
77) Benzidine	20.061	184	13429	3.824	ng	# 92
78) Pyrene	19.873	202	580146	55.010	ng	99
81) Benzo(a)anthracene	21.724	228	1330505	128.044	ng	97
83) Chrysene	21.794	228	873761	90.034	ng	96
84) Bis(2-ethylhexyl)phtha...	21.618	149	1172805	219.721	ng	# 95
85) Di-n-octyl phthalate	22.834	149	646097	71.582	ng	99
88) Benzo(b)fluoranthene	23.985	252	1176703	110.643	ng	99
89) Benzo(k)fluoranthene	23.985	252	1176703	112.595	ng	98
90) Benzo(a)pyrene	24.872	252	760133	83.973	ng	99
92) Benzo(g,h,i)perylene	29.971	276	620605	60.718	ng	96

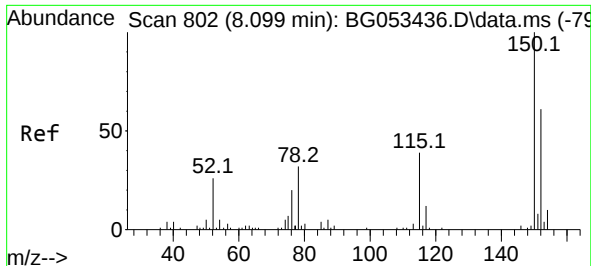
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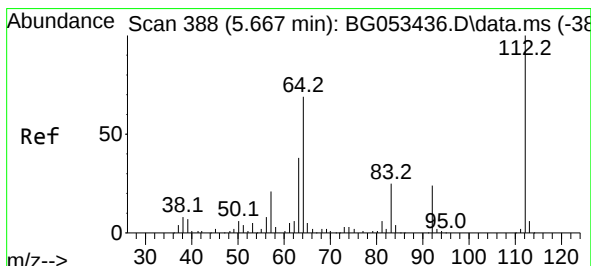
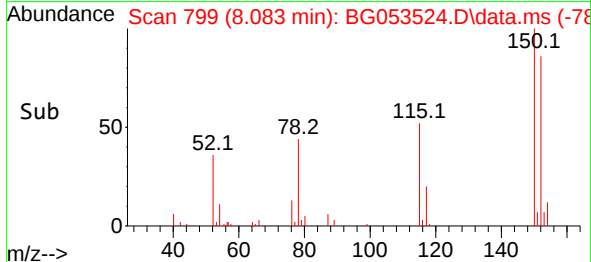
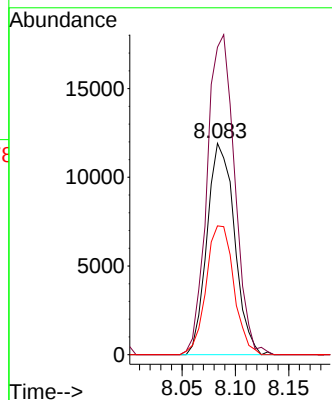
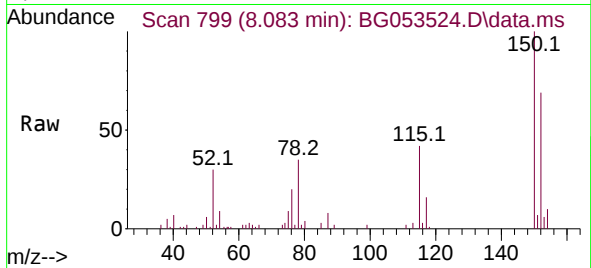




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.083 min Scan# 79
Delta R.T. -0.006 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

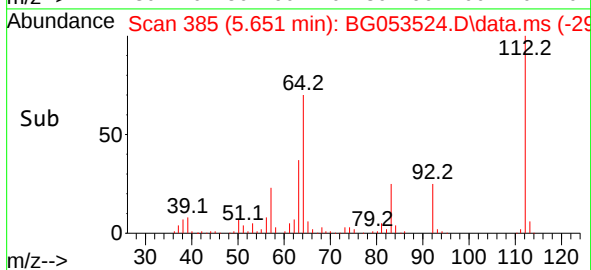
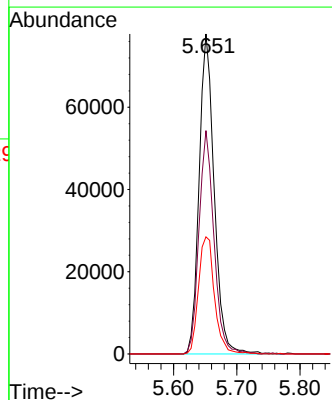
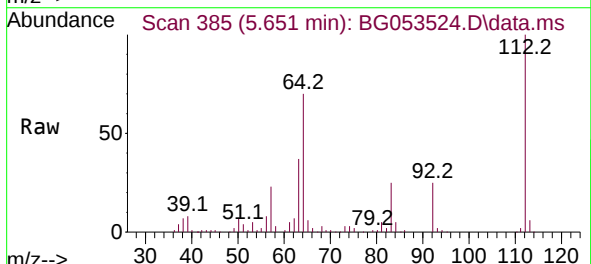
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

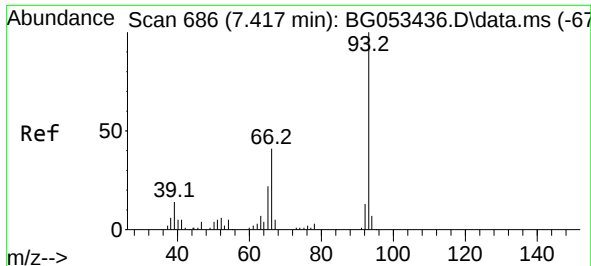
Tgt Ion:152 Resp: 21313
Ion Ratio Lower Upper
152 100
150 145.4 131.6 197.4
115 60.9 50.9 76.3



#5
2-Fluorophenol
Concen: 102.373 ng
RT: 5.651 min Scan# 385
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:112 Resp: 128562
Ion Ratio Lower Upper
112 100
64 69.8 55.1 82.7
63 36.6 30.4 45.6

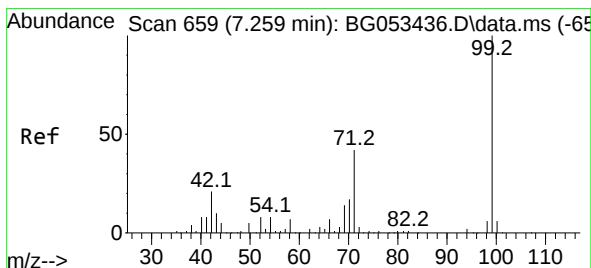
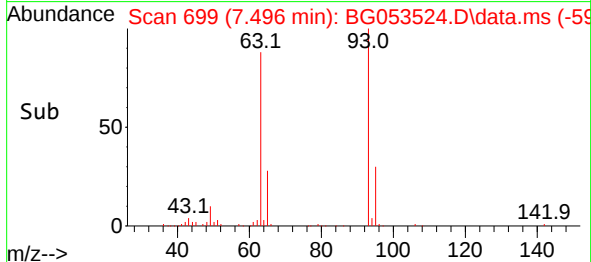
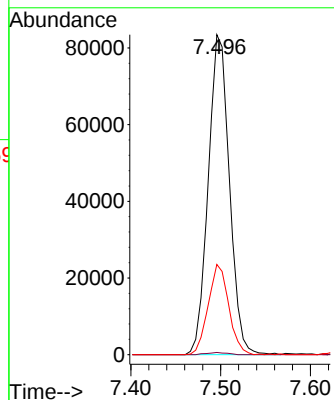
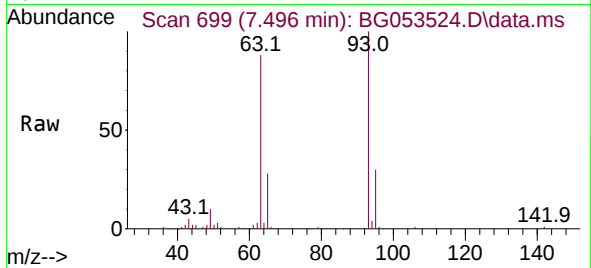




#6
Aniline
Concen: 64.738 ng
RT: 7.496 min Scan# 61
Delta R.T. 0.088 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

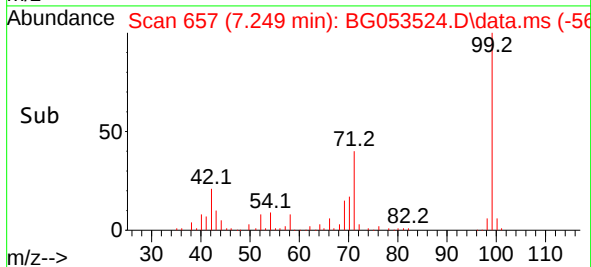
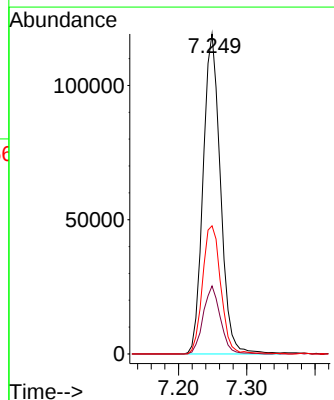
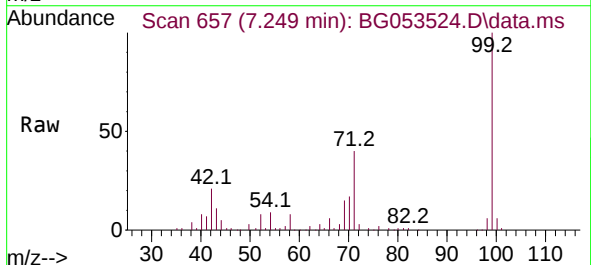
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

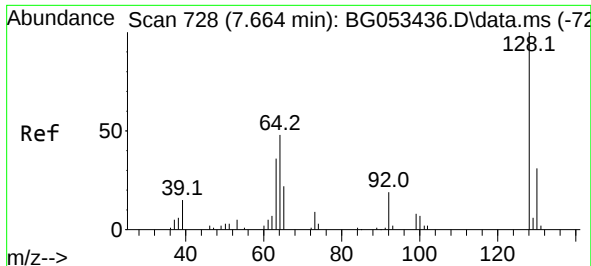
Tgt Ion: 93 Resp: 136658
Ion Ratio Lower Upper
93 100
66 0.7 32.9 49.3#
65 28.2 17.8 26.8#



#7
Phenol-d6
Concen: 110.575 ng
RT: 7.249 min Scan# 657
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion: 99 Resp: 210746
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 40.1 33.8 50.8

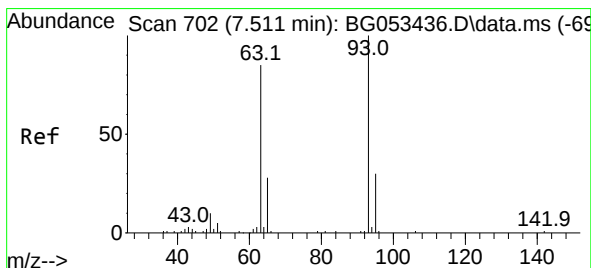
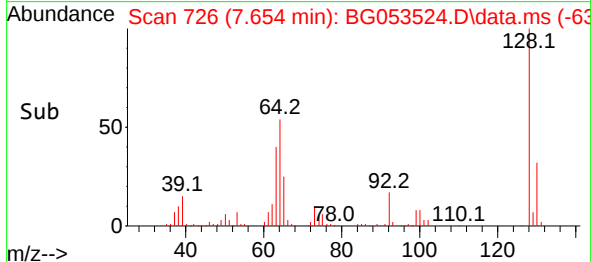
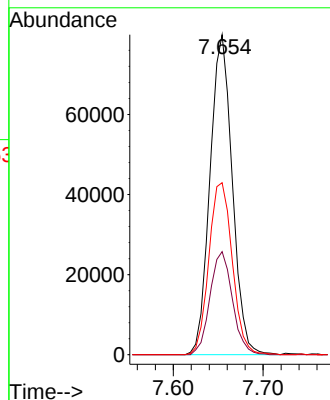
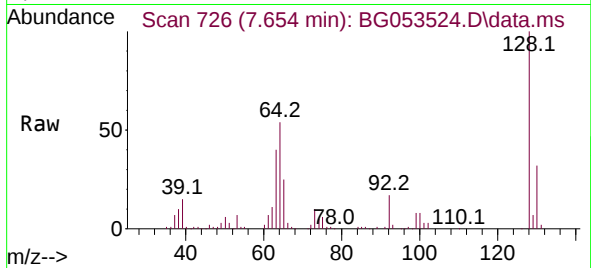




#8
2-Chlorophenol
Concen: 104.726 ng
RT: 7.654 min Scan# 71
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

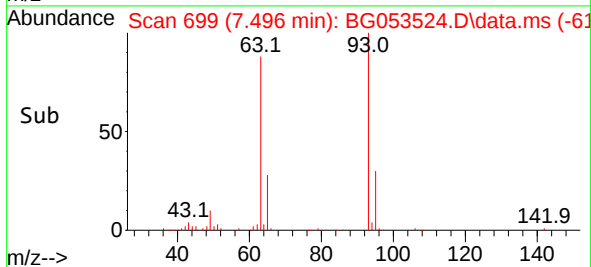
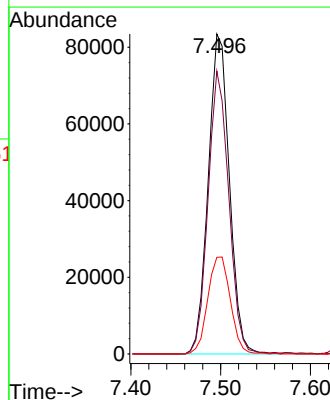
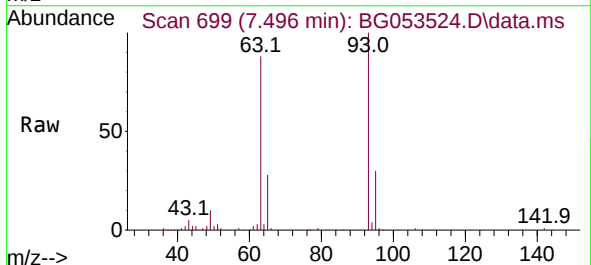
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

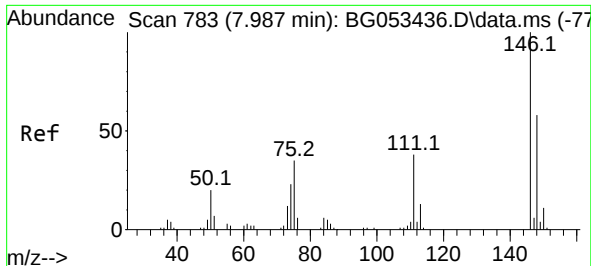
Tgt Ion:128 Resp: 137489
Ion Ratio Lower Upper
128 100
130 32.2 10.5 50.5
64 53.7 35.1 75.1



#11
bis(2-Chloroethyl)ether
Concen: 98.300 ng
RT: 7.496 min Scan# 699
Delta R.T. -0.006 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion: 93 Resp: 136658
Ion Ratio Lower Upper
93 100
63 88.4 63.6 103.6
95 30.2 10.1 50.1





#12

1,3-Dichlorobenzene

Concen: 54.350 ng

RT: 8.441 min Scan# 80

Delta R.T. 0.464 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

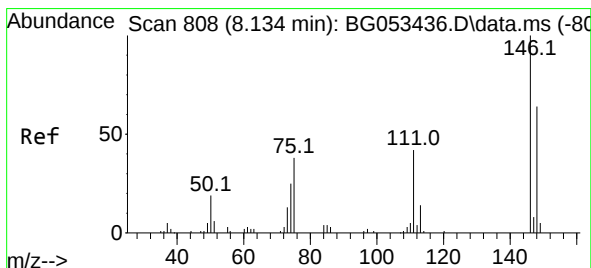
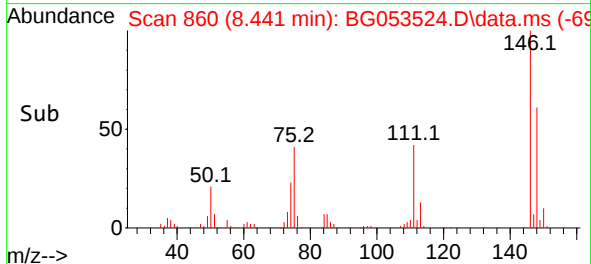
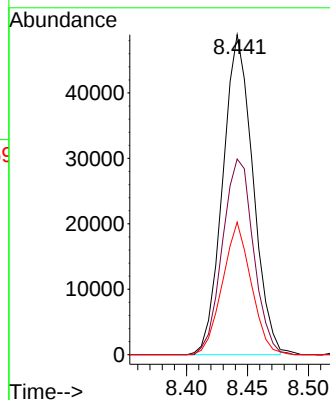
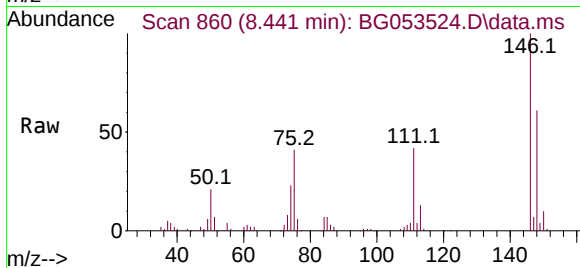
Tgt Ion:146 Resp: 84176

Ion Ratio Lower Upper

146 100

148 61.2 46.1 69.1

75 41.4 27.6 41.4



#13

1,4-Dichlorobenzene

Concen: 69.411 ng

RT: 7.977 min Scan# 781

Delta R.T. -0.147 min

Lab File: BG053524.D

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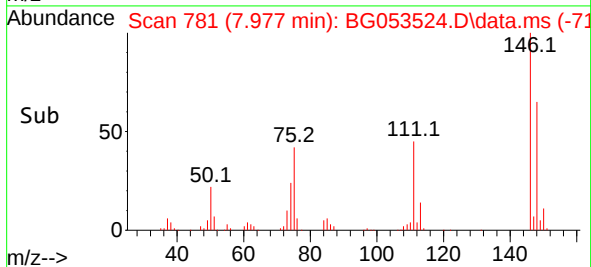
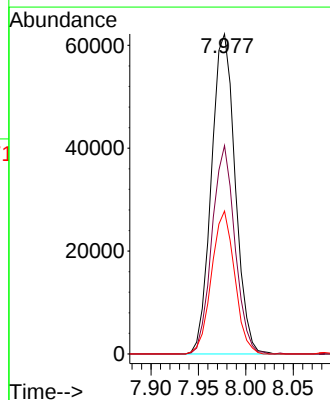
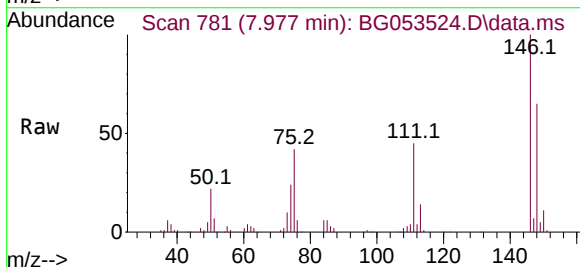
Tgt Ion:146 Resp: 108481

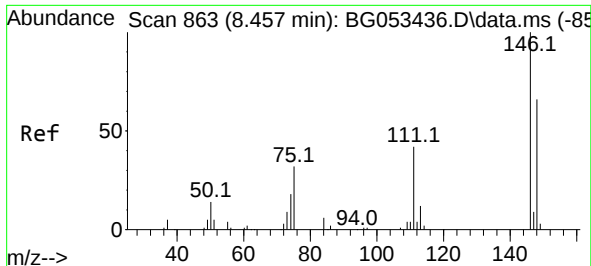
Ion Ratio Lower Upper

146 100

148 65.1 51.5 77.3

111 44.6 33.9 50.9

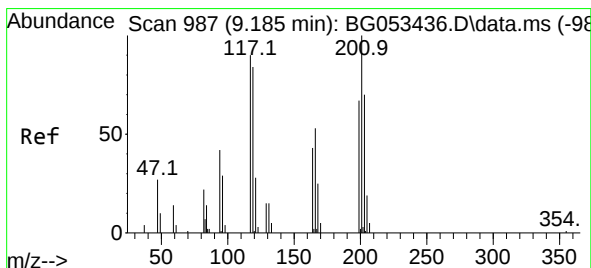
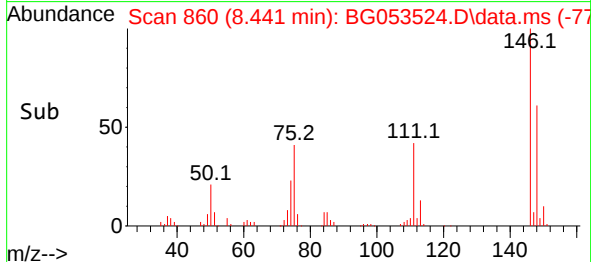
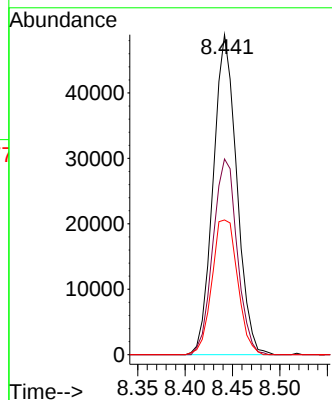
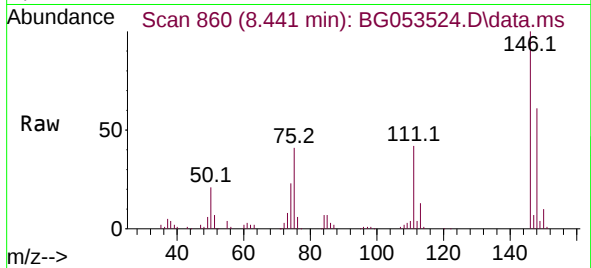




#14
1,2-Dichlorobenzene
Concen: 57.583 ng
RT: 8.441 min Scan# 80
Delta R.T. -0.000 min
Lab File: BG053524.D
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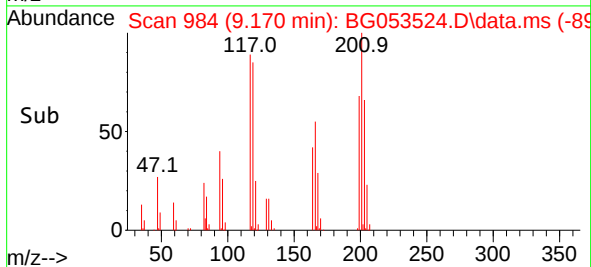
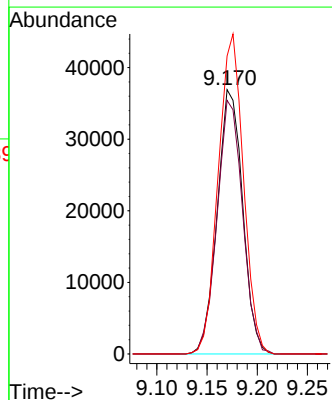
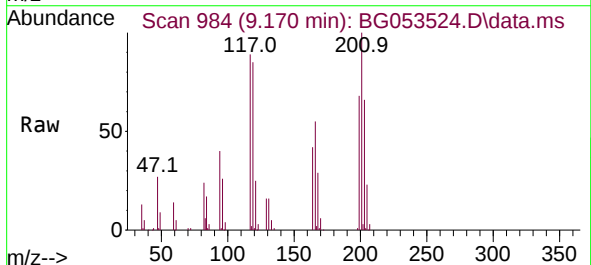
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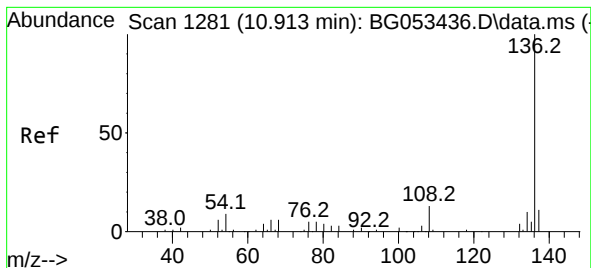
Tgt Ion:146 Resp: 84509
Ion Ratio Lower Upper
146 100
148 61.2 52.6 78.8
111 42.1 34.5 51.7



#18
Hexachloroethane
Concen: 109.267 ng
RT: 9.170 min Scan# 984
Delta R.T. -0.006 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:117 Resp: 64850
Ion Ratio Lower Upper
117 100
119 95.9 75.0 112.6
201 112.7 89.0 133.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.897 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

Tgt Ion:136 Resp: 92336

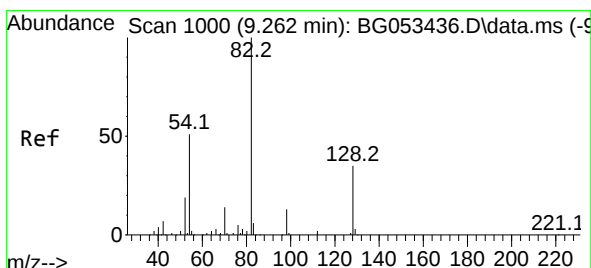
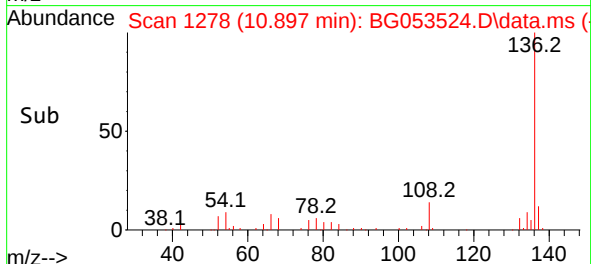
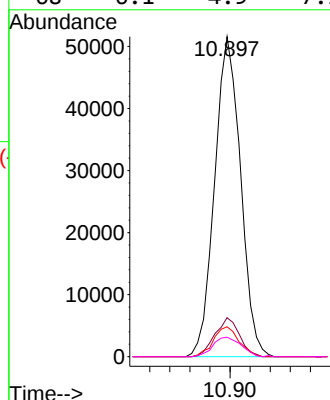
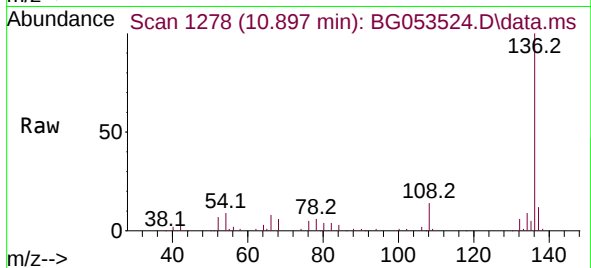
Ion Ratio Lower Upper

136 100

137 12.2 8.5 12.7

54 9.3 7.4 11.2

68 6.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 71.123 ng

RT: 9.246 min Scan# 997

Delta R.T. -0.006 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

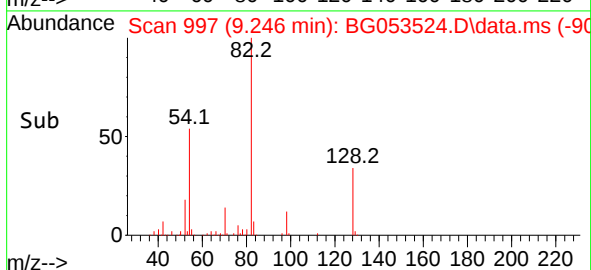
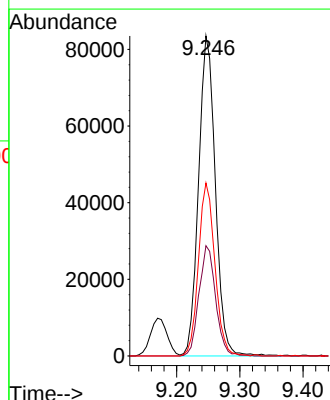
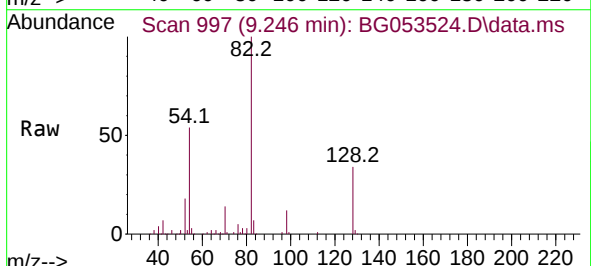
Tgt Ion: 82 Resp: 154275

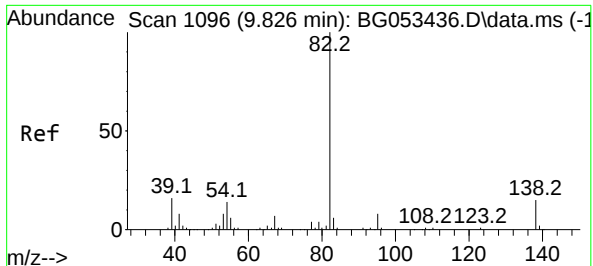
Ion Ratio Lower Upper

82 100

128 34.5 27.9 41.9

54 54.1 41.2 61.8

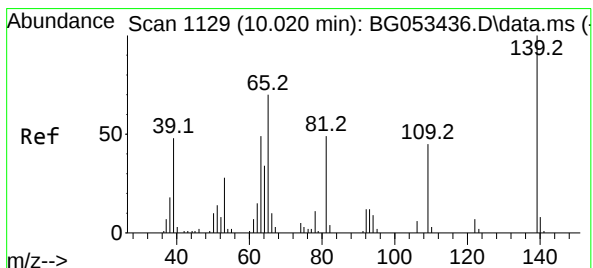
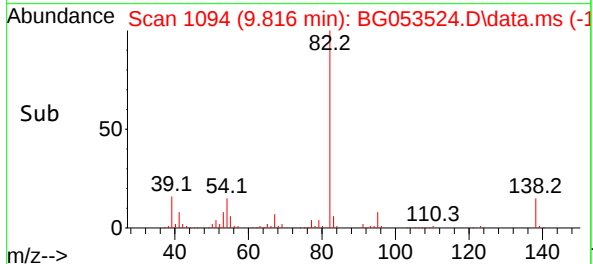
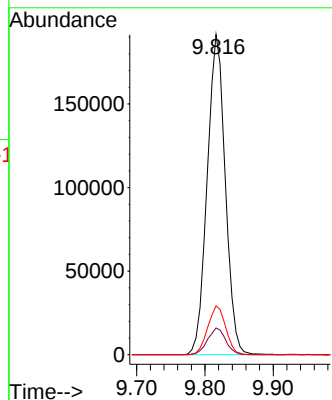
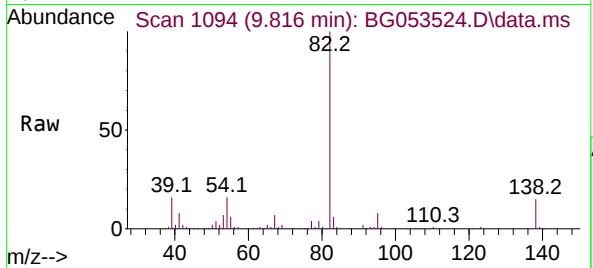




#25
Isophorone
Concen: 96.793 ng
RT: 9.816 min Scan# 1094
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

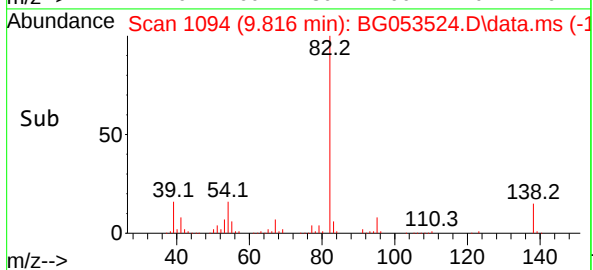
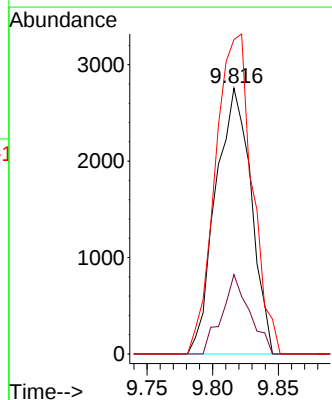
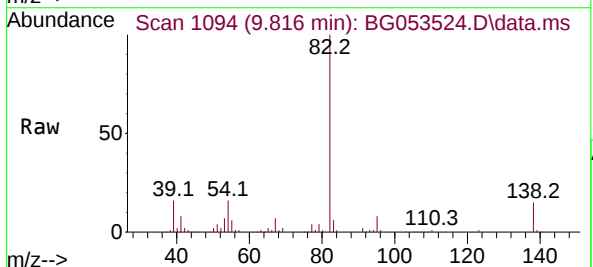
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

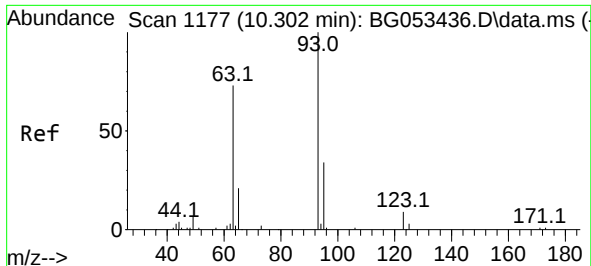
Tgt Ion: 82 Resp: 353346
Ion Ratio Lower Upper
82 100
95 8.4 6.2 9.4
138 15.3 11.6 17.4



#26
2-Nitrophenol
Concen: 6.087 ng
RT: 9.816 min Scan# 1094
Delta R.T. -0.194 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion: 139 Resp: 5176
Ion Ratio Lower Upper
139 100
109 29.9 36.1 54.1#
65 118.3 55.8 83.6#

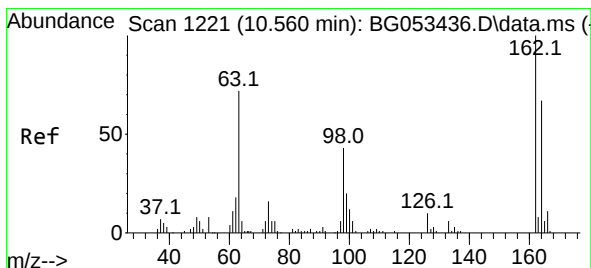
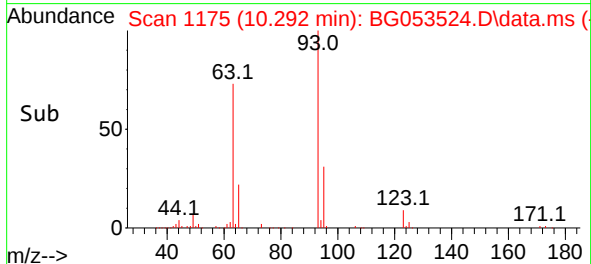
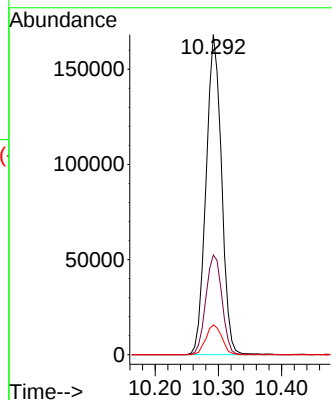
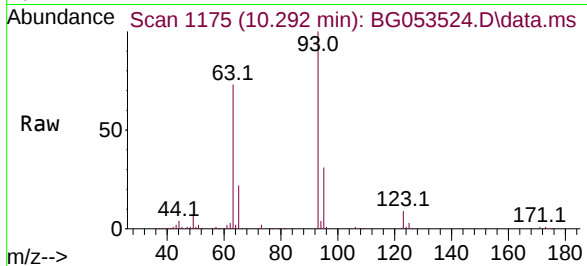




#28
bis(2-Chloroethoxy)methane
Concen: 135.864 ng
RT: 10.292 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

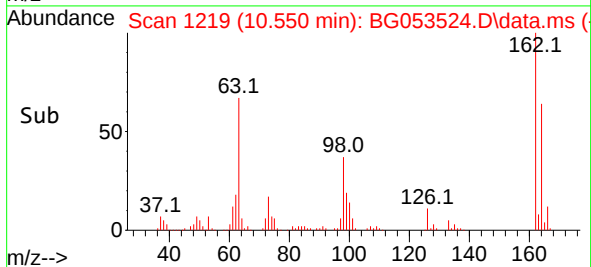
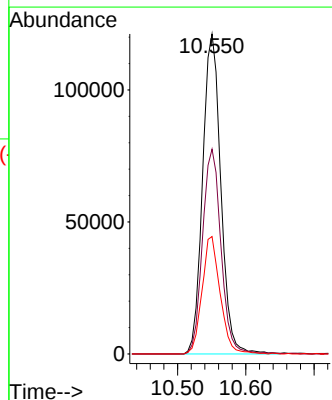
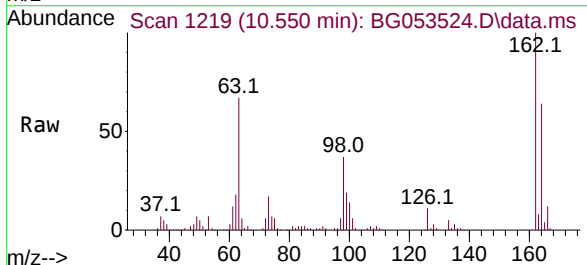
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

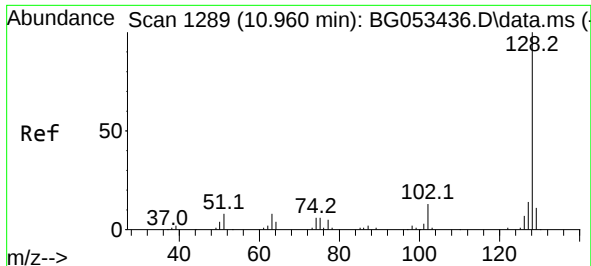
Tgt Ion: 93 Resp: 285251
Ion Ratio Lower Upper
93 100
95 31.2 26.9 40.3
123 9.3 7.7 11.5



#29
2,4-Dichlorophenol
Concen: 145.821 ng
RT: 10.550 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:162 Resp: 225210
Ion Ratio Lower Upper
162 100
164 64.0 46.6 86.6
98 36.7 22.8 62.8

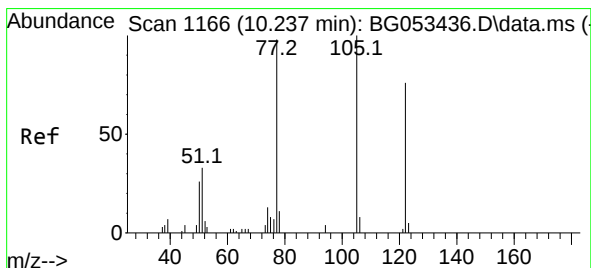
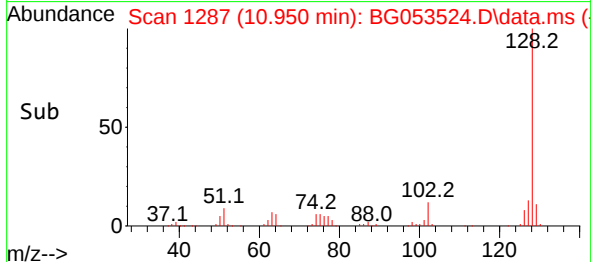
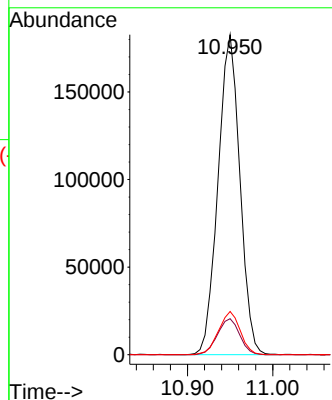
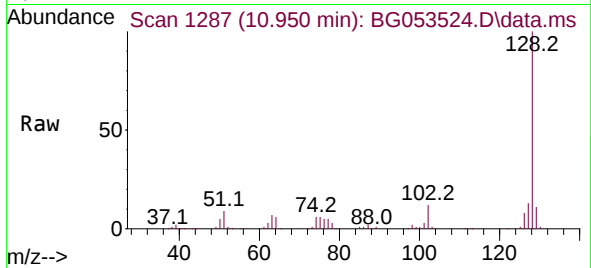




#31
Naphthalene
Concen: 69.241 ng
RT: 10.950 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

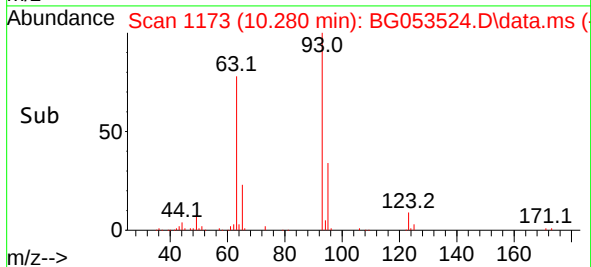
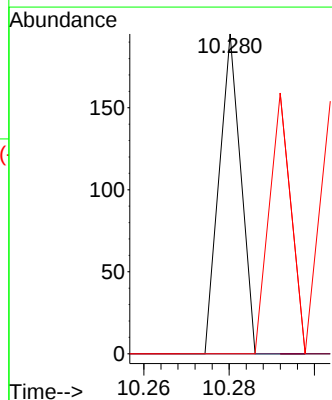
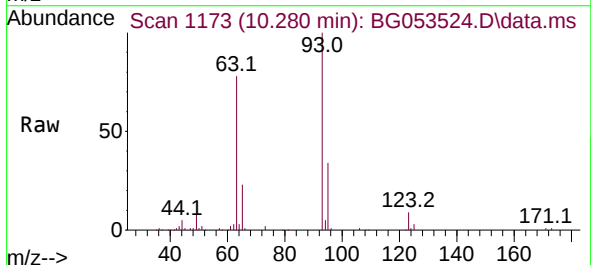
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

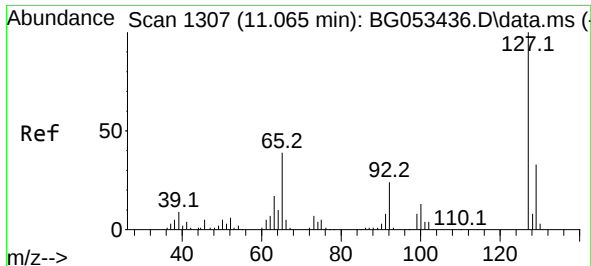
Tgt Ion:128 Resp: 325218
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.5 11.1 16.7



#32
Benzoic acid
Concen: 8.557 ng
RT: 10.280 min Scan# 1173
Delta R.T. 0.041 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:122 Resp: 69
Ion Ratio Lower Upper
122 100
105 0.0 111.8 151.8#
77 0.0 109.4 149.4#

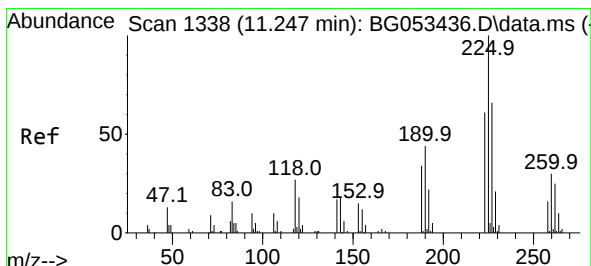
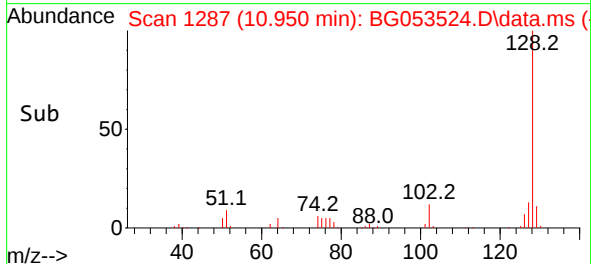
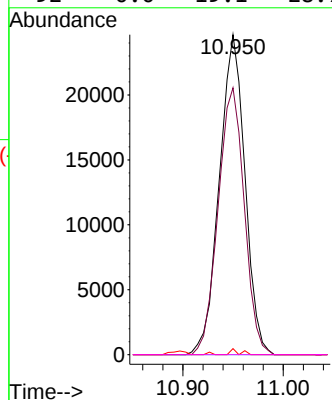
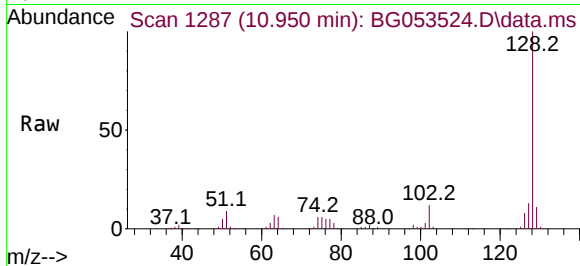




#33
4-Chloroaniline
Concen: 22.143 ng
RT: 10.950 min Scan# 11
Delta R.T. -0.106 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

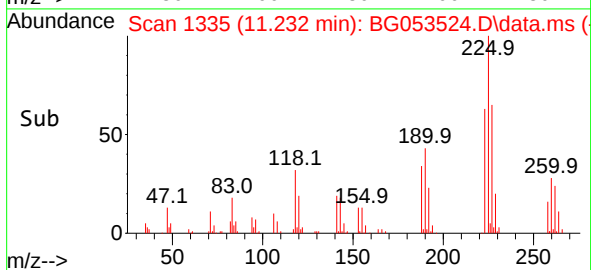
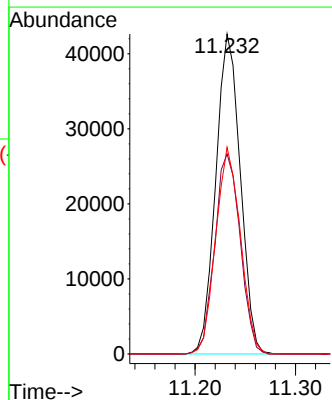
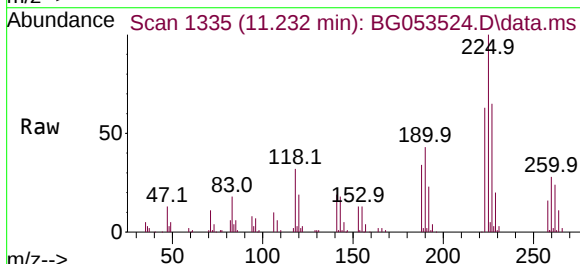
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

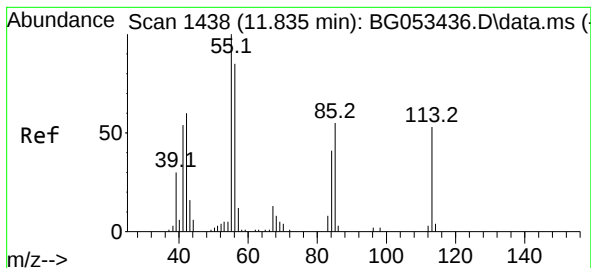
Tgt Ion:127	Resp:	43556
Ion Ratio	Lower	Upper
127	100	
129	83.4	26.3 39.5#
65	1.9	31.1 46.7#
92	0.0	19.1 28.7#



#34
Hexachlorobutadiene
Concen: 55.448 ng
RT: 11.232 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:225	Resp:	72148
Ion Ratio	Lower	Upper
225	100	
223	62.5	48.9 73.3
227	64.6	52.8 79.2





#35

Caprolactam

Concen: 18.245 ng

RT: 12.172 min Scan# 1495

Delta R.T. 0.340 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

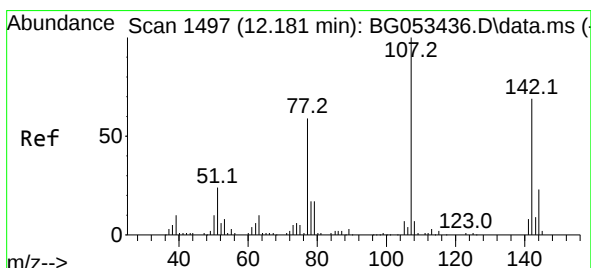
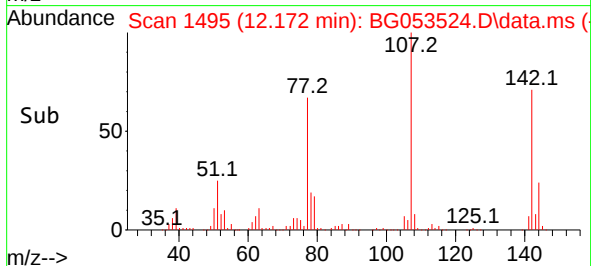
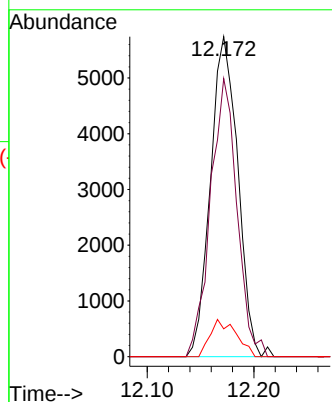
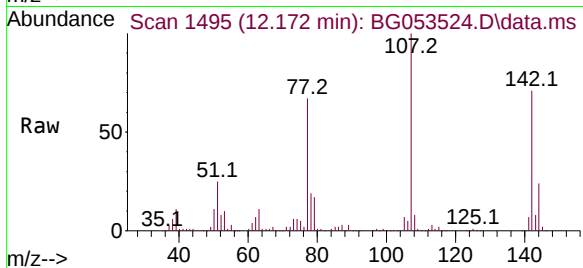
Tgt Ion:113 Resp: 10240

Ion Ratio Lower Upper

113 100

55 86.9 169.8 209.8#

56 8.7 141.2 181.2#



#36

4-Chloro-3-methylphenol

Concen: 161.820 ng

RT: 12.172 min Scan# 1495

Delta R.T. -0.006 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

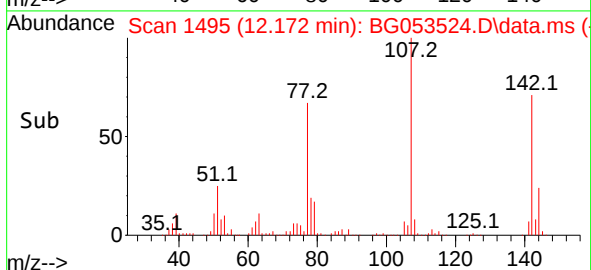
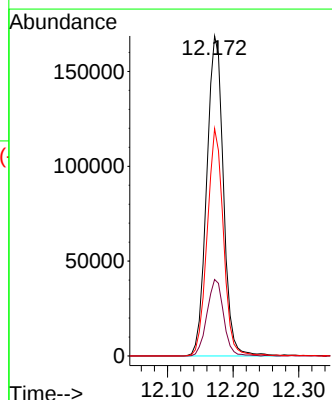
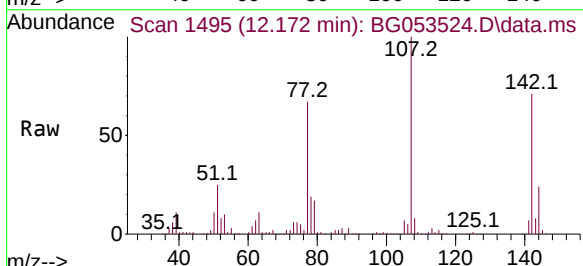
Tgt Ion:107 Resp: 298947

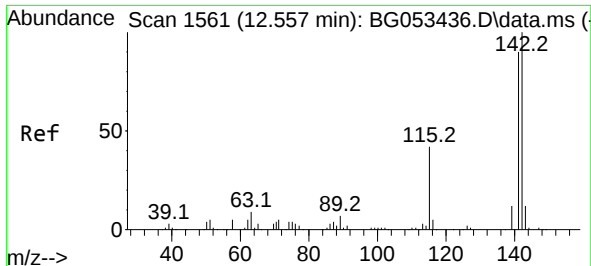
Ion Ratio Lower Upper

107 100

144 23.9 18.5 27.7

142 71.0 55.0 82.4





#37
2-Methylnaphthalene
Concen: 92.179 ng
RT: 12.548 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

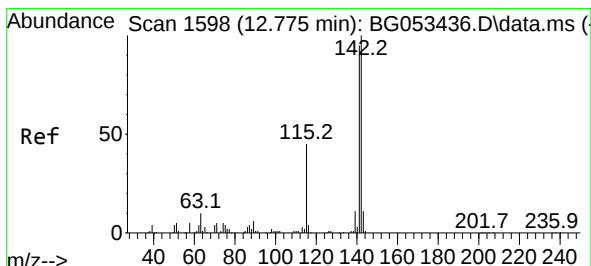
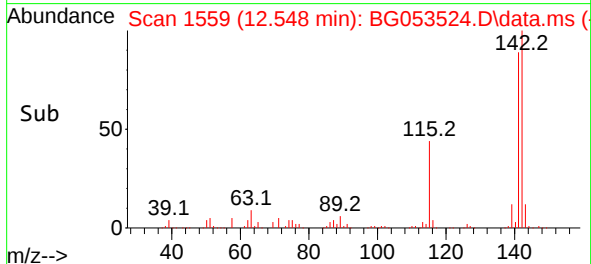
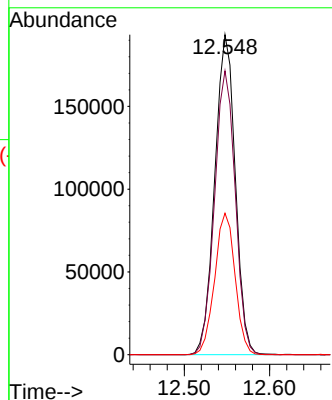
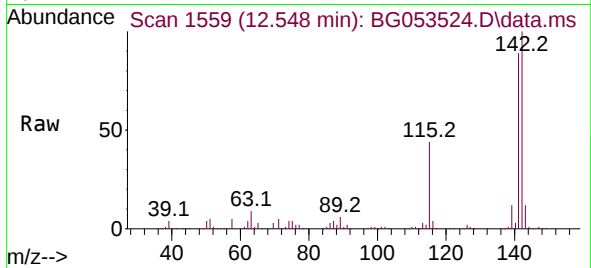
Instrument :

BNA_G

ClientSampleId :

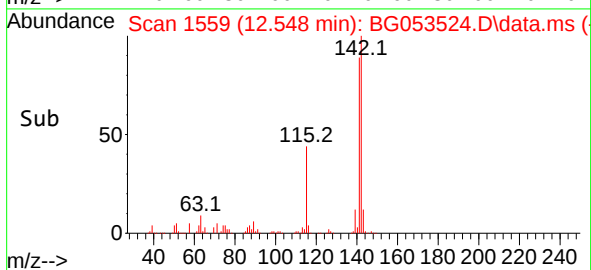
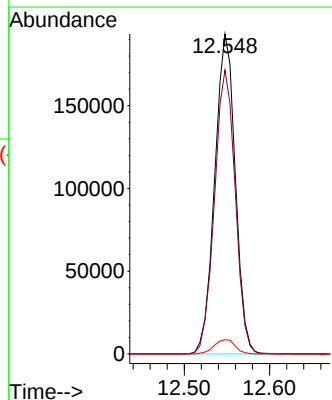
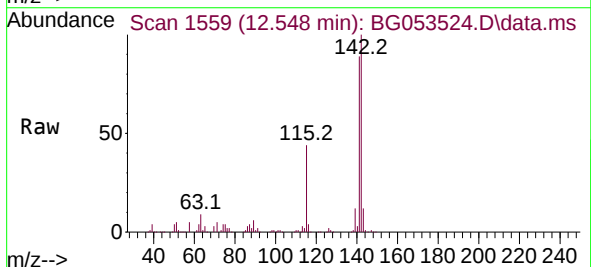
PT-BNA-SOIL

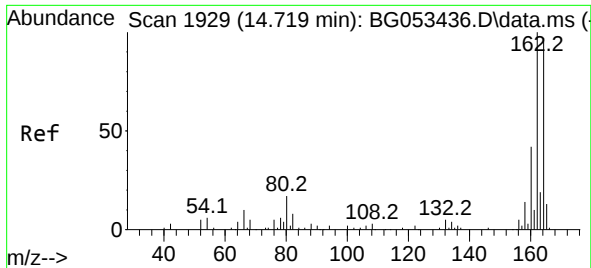
Tgt Ion:142 Resp: 323104
Ion Ratio Lower Upper
142 100
141 88.7 72.3 108.5
115 44.2 33.7 50.5



#38
1-Methylnaphthalene
Concen: 94.478 ng
RT: 12.548 min Scan# 1559
Delta R.T. -0.218 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:142 Resp: 323104
Ion Ratio Lower Upper
142 100
141 88.7 76.4 114.6
116 4.4 3.3 4.9

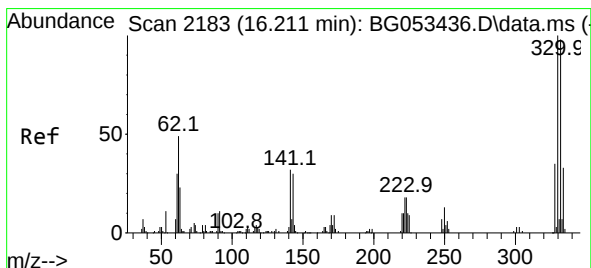
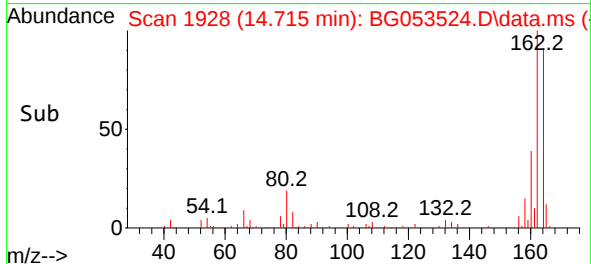
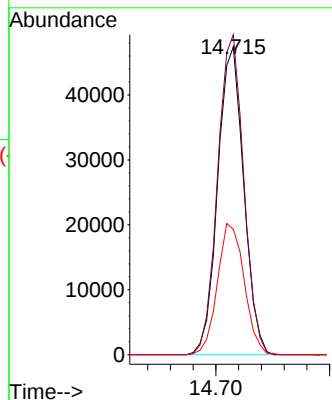
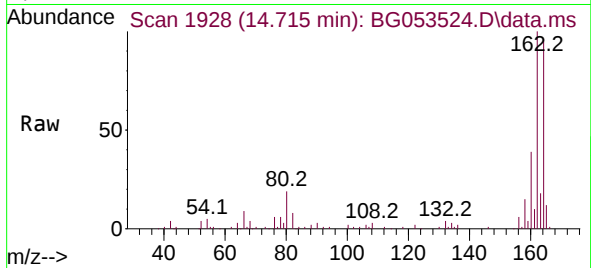




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.715 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

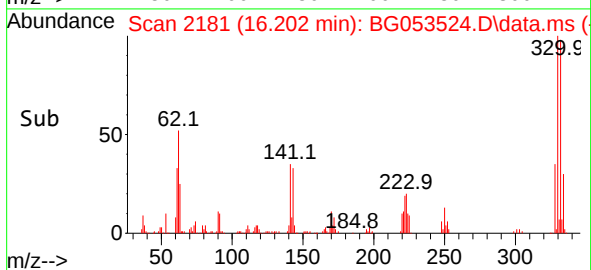
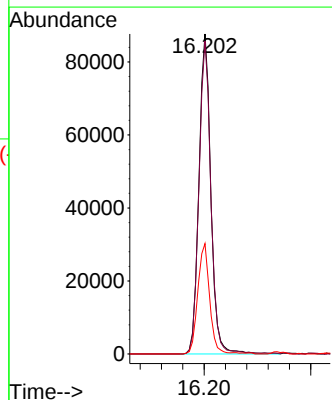
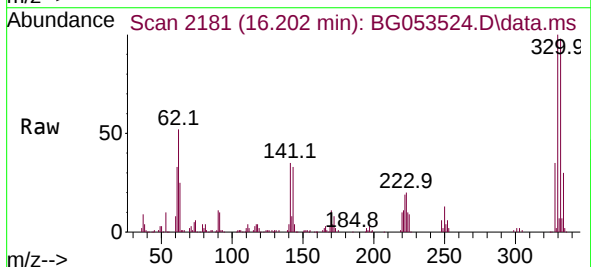
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

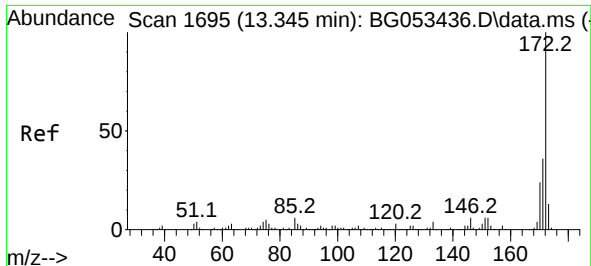
Tgt Ion:164 Resp: 75143
Ion Ratio Lower Upper
164 100
162 103.9 82.3 123.5
160 40.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 122.898 ng
RT: 16.202 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:330 Resp: 136204
Ion Ratio Lower Upper
330 100
332 97.5 76.0 114.0
141 34.1 27.1 40.7

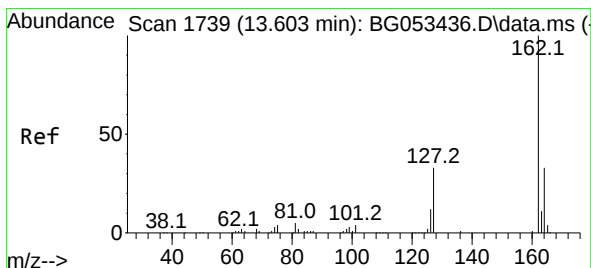
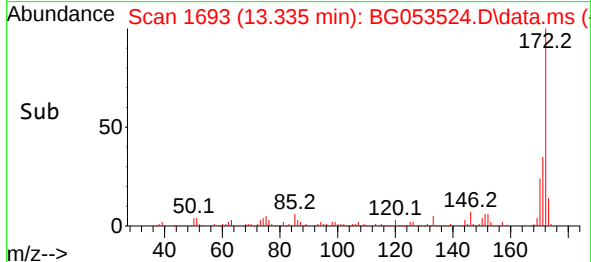
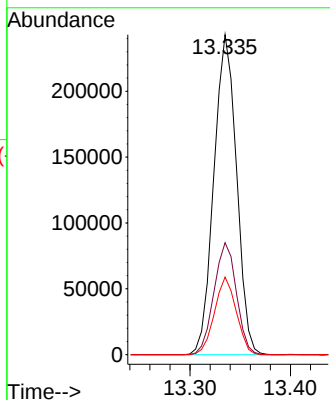
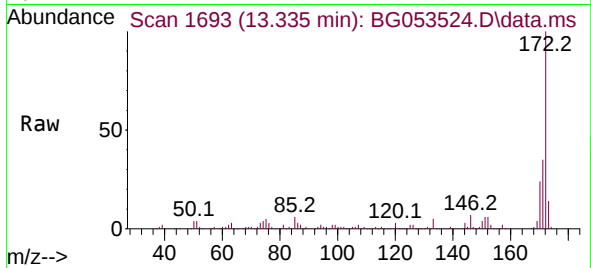




#45
2-Fluorobiphenyl
Concen: 73.952 ng
RT: 13.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

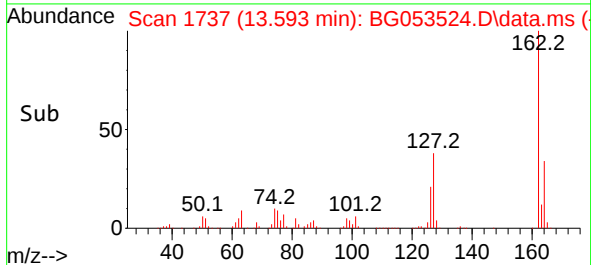
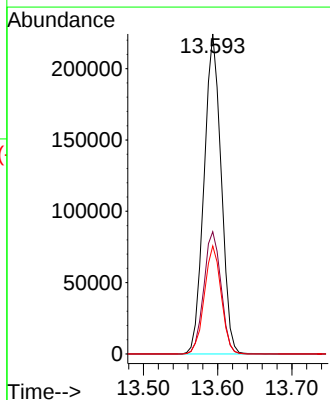
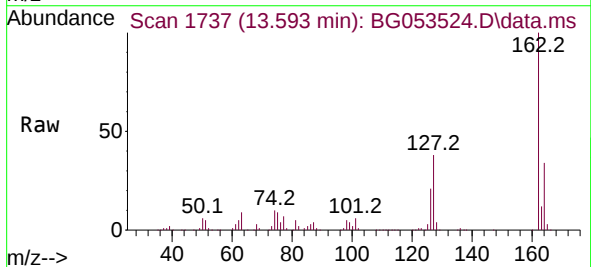
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

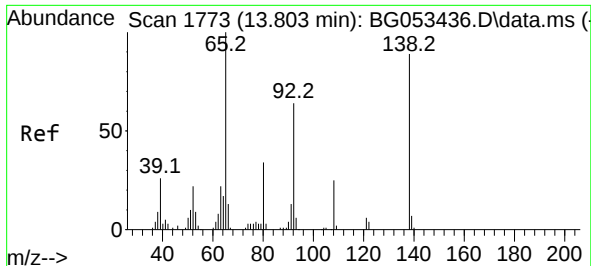
Tgt Ion:172 Resp: 380279
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 24.2 18.9 28.3



#47
2-Chloronaphthalene
Concen: 89.448 ng
RT: 13.593 min Scan# 1737
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:162 Resp: 358955
Ion Ratio Lower Upper
162 100
127 38.2 30.6 45.8
164 33.7 26.5 39.7

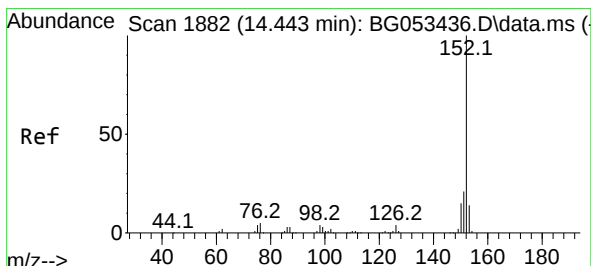
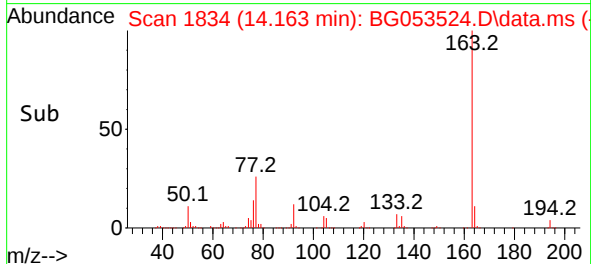
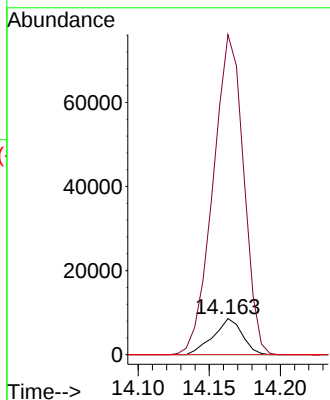
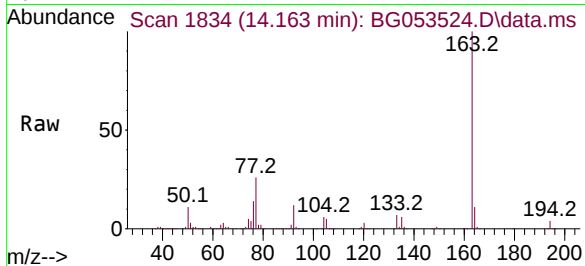




#48
2-Nitroaniline
Concen: 8.117 ng
RT: 14.163 min Scan# 1834
Delta R.T. 0.370 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

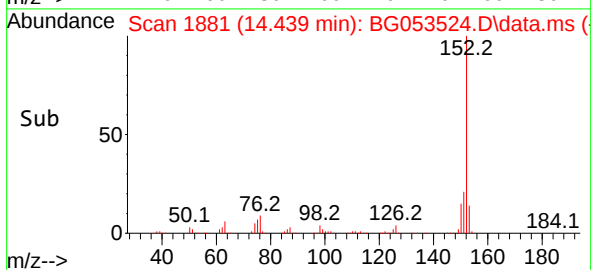
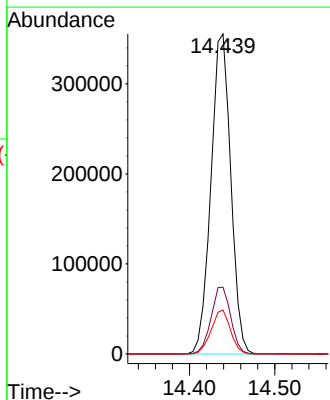
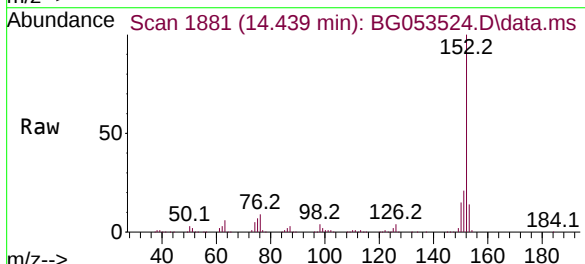
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

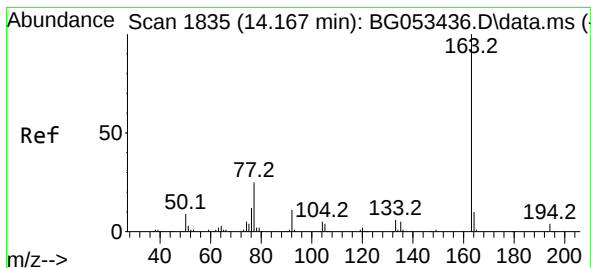
Tgt Ion: 65 Resp: 12137
Ion Ratio Lower Upper
65 100
92 883.3 51.5 77.3#
138 0.0 71.3 106.9#



#49
Acenaphthylene
Concen: 89.612 ng
RT: 14.439 min Scan# 1881
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:152 Resp: 573847
Ion Ratio Lower Upper
152 100
151 20.9 16.4 24.6
153 13.8 10.8 16.2





#50

Dimethylphthalate

Concen: 170.860 ng

RT: 14.163 min Scan# 1834

Delta R.T. -0.000 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

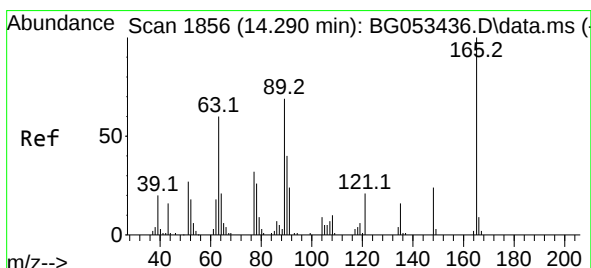
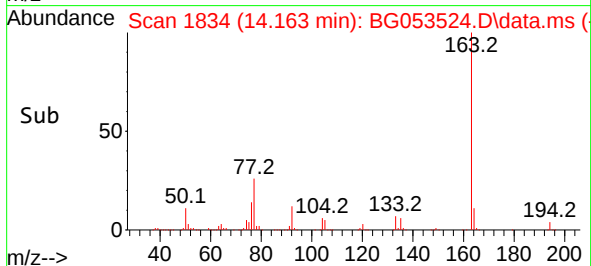
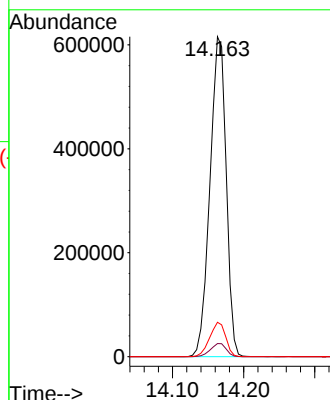
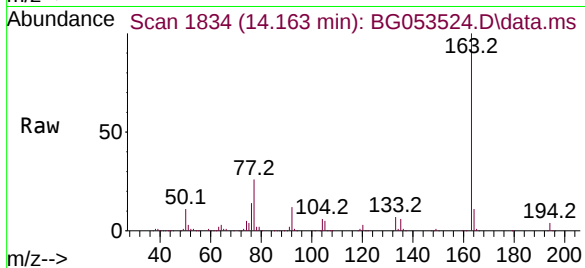
Tgt Ion:163 Resp: 975637

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

164 10.8 8.0 12.0



#51

2,6-Dinitrotoluene

Concen: 9.811 ng

RT: 14.163 min Scan# 1834

Delta R.T. -0.118 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

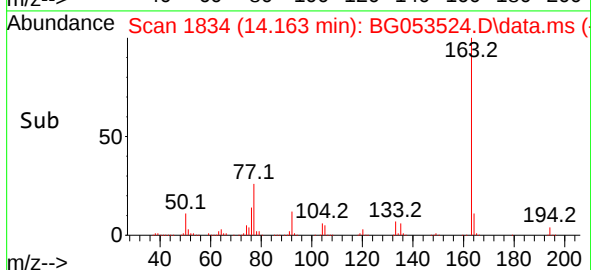
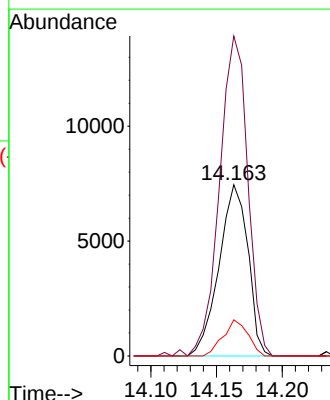
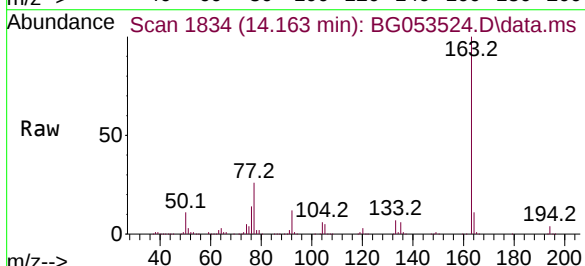
Tgt Ion:165 Resp: 11413

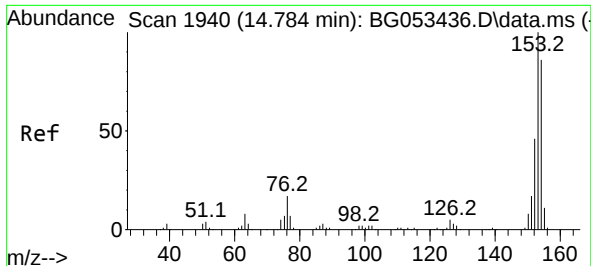
Ion Ratio Lower Upper

165 100

63 187.0 54.1 81.1#

89 21.1 54.8 82.2#

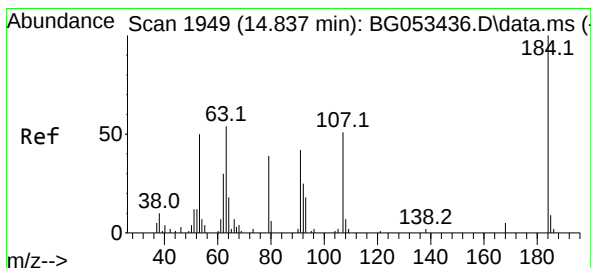
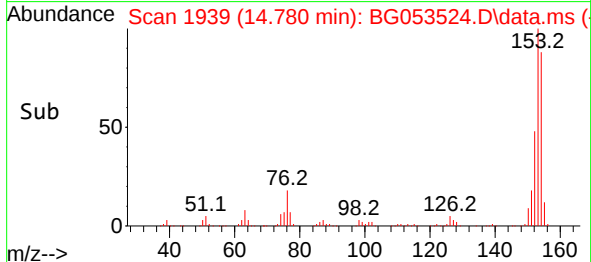
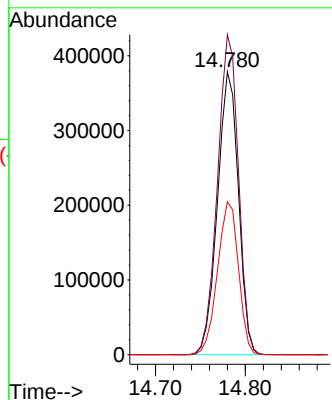
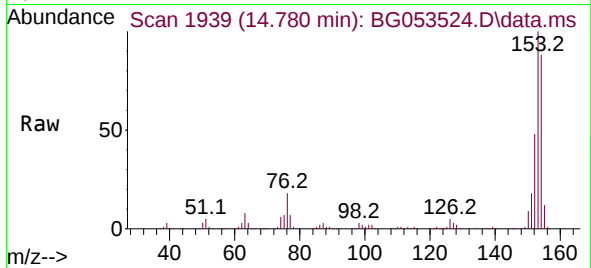




#52
Acenaphthene
Concen: 160.508 ng
RT: 14.780 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

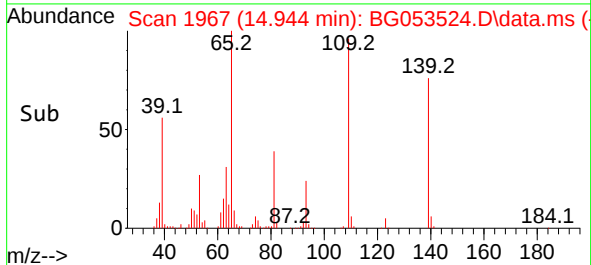
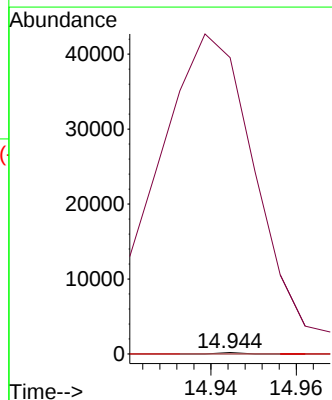
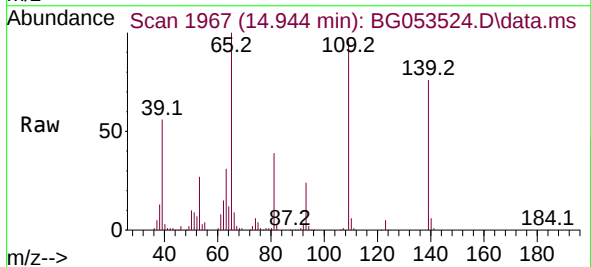
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

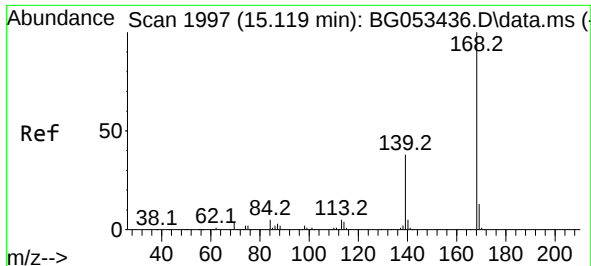
Tgt Ion:154 Resp: 612541
Ion Ratio Lower Upper
154 100
153 113.1 92.7 139.1
152 54.1 42.6 64.0



#54
2,4-Dinitrophenol
Concen: 6.334 ng
RT: 14.944 min Scan# 1967
Delta R.T. 0.111 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:184 Resp: 72
Ion Ratio Lower Upper
184 100
63 19471.9 61.1 91.7#
154 0.0 60.6 91.0#

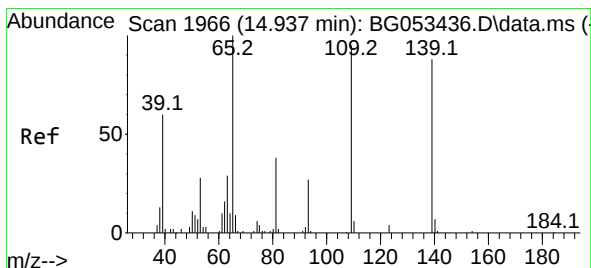
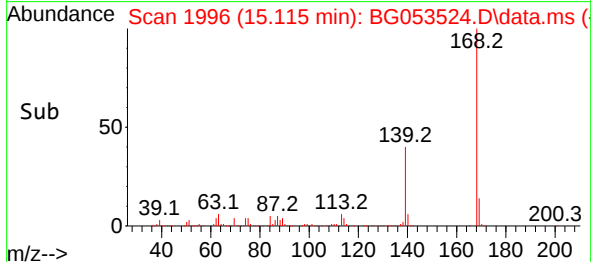
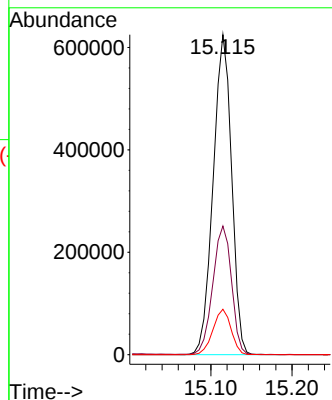
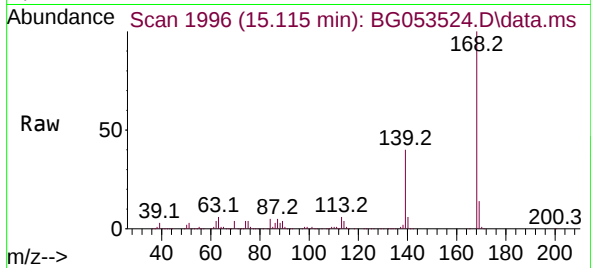




#55
Dibenzenofuran
Concen: 143.632 ng
RT: 15.115 min Scan# 1997
Delta R.T. 0.005 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

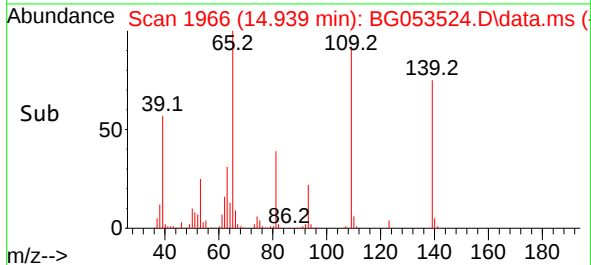
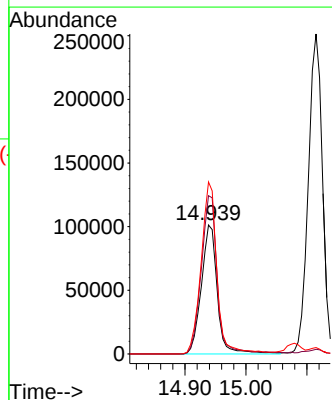
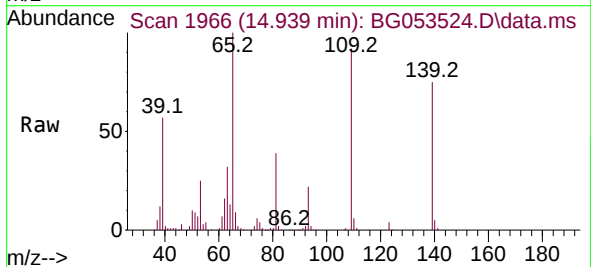
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

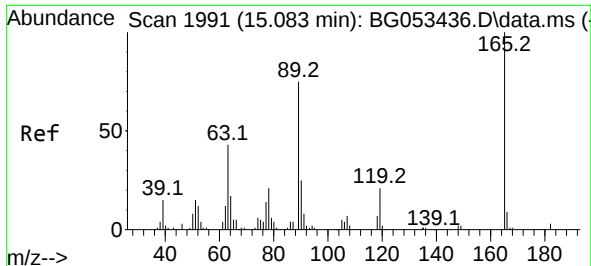
Tgt Ion:168 Resp: 984566
Ion Ratio Lower Upper
168 100
139 40.2 30.5 45.7
169 14.2 10.3 15.5



#56
4-Nitrophenol
Concen: 205.772 ng
RT: 14.939 min Scan# 1966
Delta R.T. 0.005 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:139 Resp: 184741
Ion Ratio Lower Upper
139 100
109 122.6 88.5 128.5
65 133.4 93.9 133.9





#57

2,4-Dinitrotoluene

Concen: 126.876 ng

RT: 15.080 min Scan# 1991

Delta R.T. 0.005 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

Tgt Ion:165 Resp: 213947

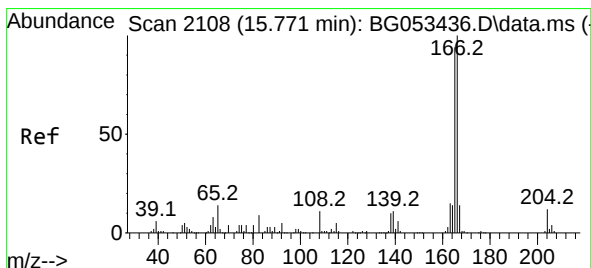
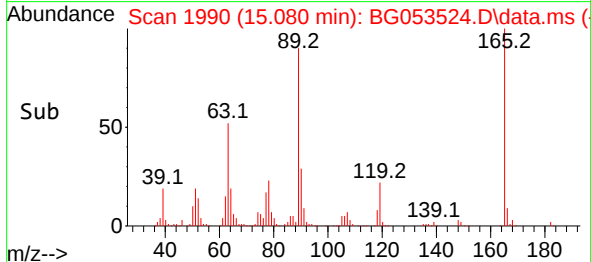
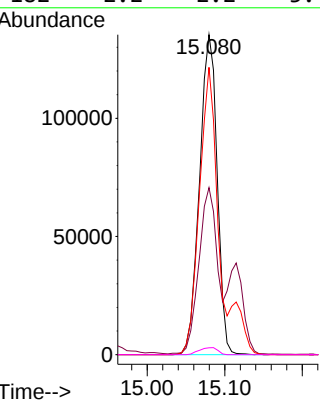
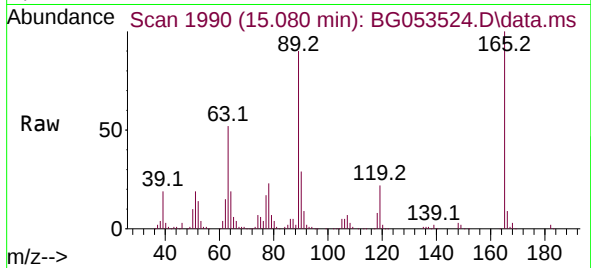
Ion Ratio Lower Upper

165 100

63 52.2 34.6 52.0#

89 89.8 60.3 90.5

182 2.2 2.2 3.4#



#58

Fluorene

Concen: 112.458 ng

RT: 15.761 min Scan# 2106

Delta R.T. -0.000 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

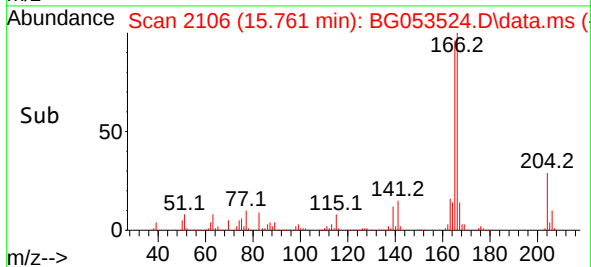
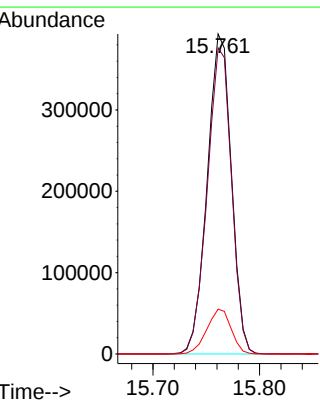
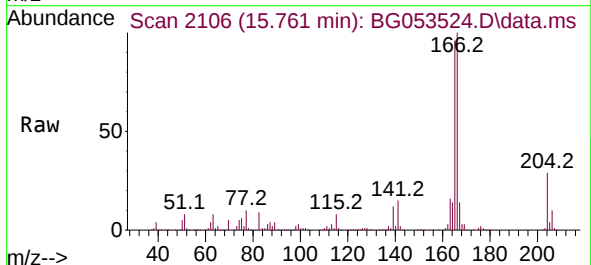
Tgt Ion:166 Resp: 618614

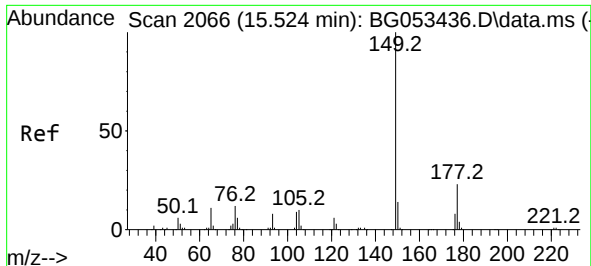
Ion Ratio Lower Upper

166 100

165 95.7 75.0 112.6

167 14.0 10.8 16.2





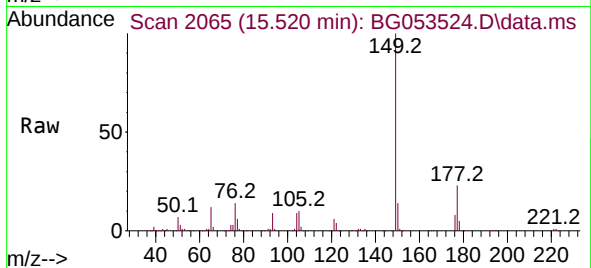
#60
Diethylphthalate
Concen: 75.852 ng
RT: 15.520 min Scan# 2066
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Instrument :

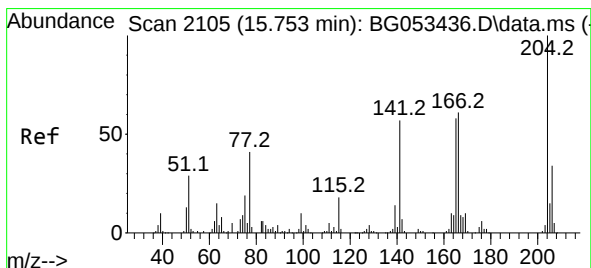
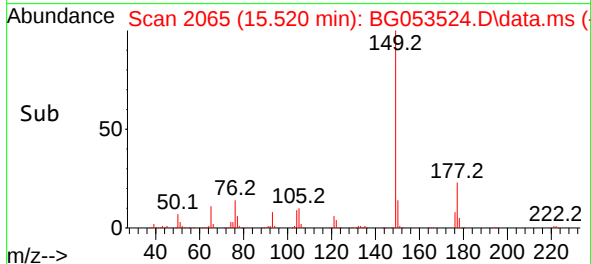
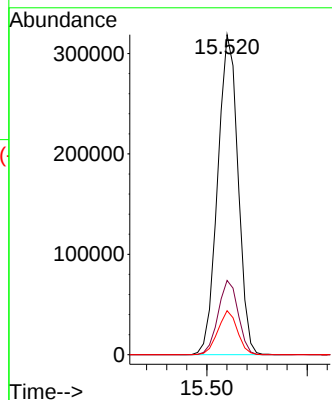
BNA_G

ClientSampleId :

PT-BNA-SOIL

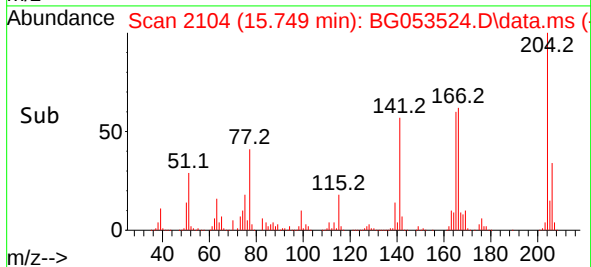
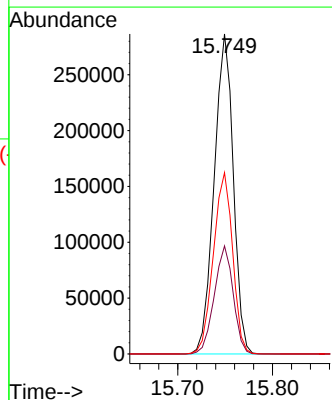
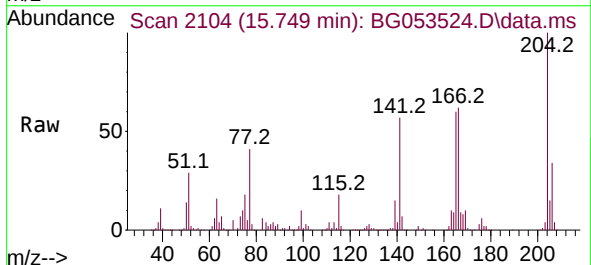


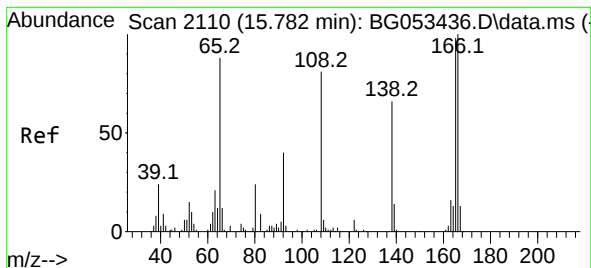
Tgt Ion:149 Resp: 447406
Ion Ratio Lower Upper
149 100
177 23.2 18.4 27.6
150 13.8 11.2 16.8



#61
4-Chlorophenyl-phenylether
Concen: 131.064 ng
RT: 15.749 min Scan# 2104
Delta R.T. 0.006 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:204 Resp: 402304
Ion Ratio Lower Upper
204 100
206 33.7 27.5 41.3
141 56.6 45.3 67.9

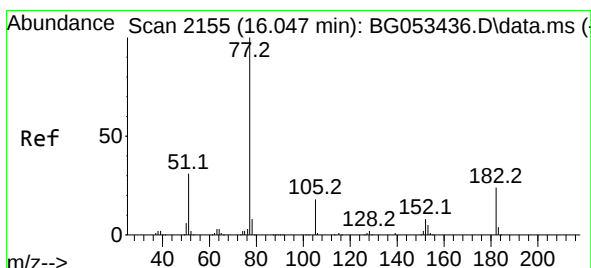
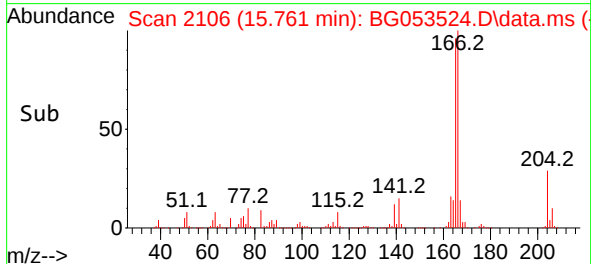
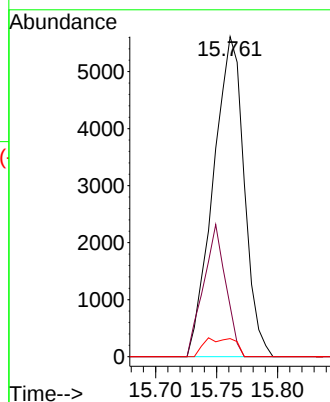
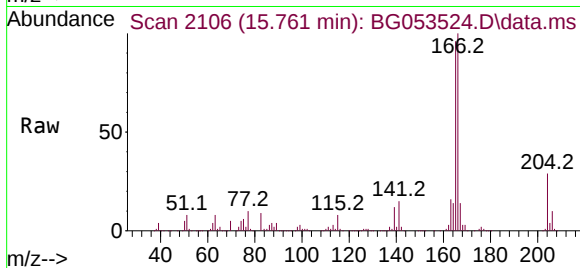




#62
4-Nitroaniline
Concen: 7.612 ng
RT: 15.761 min Scan# 2106
Delta R.T. -0.018 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

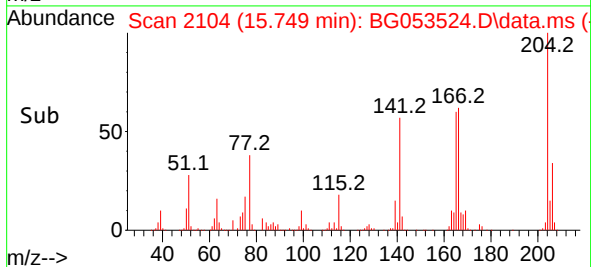
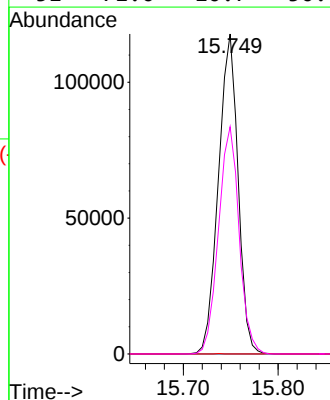
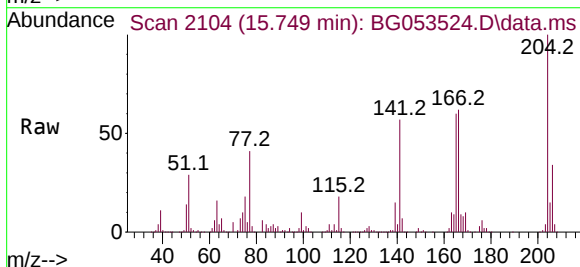
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

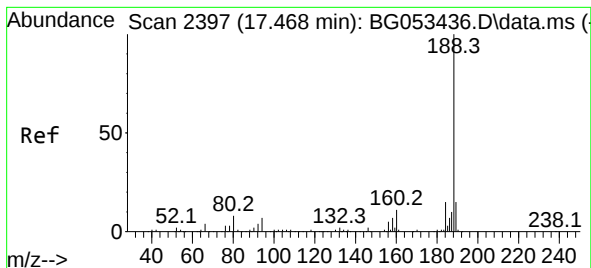
Tgt Ion:138 Resp: 9924
Ion Ratio Lower Upper
138 100
92 15.8 40.5 80.5#
108 5.7 103.7 143.7#



#63
Azobenzene
Concen: 28.038 ng
RT: 15.749 min Scan# 2104
Delta R.T. -0.288 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion: 77 Resp: 169352
Ion Ratio Lower Upper
77 100
182 0.0 3.8 43.8#
105 0.0 0.0 37.8
51 71.0 10.7 50.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.459 min Scan# 2104

Delta R.T. -0.000 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

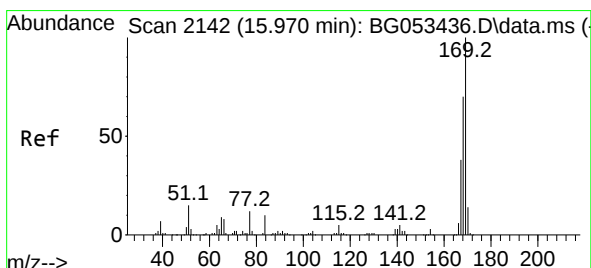
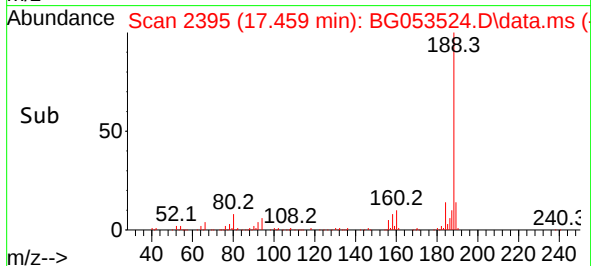
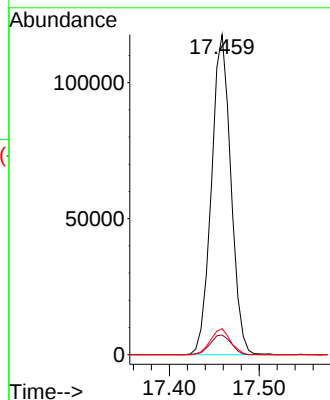
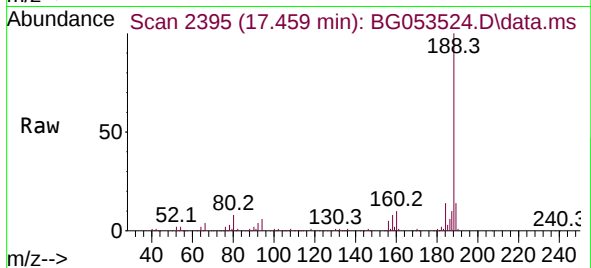
Tgt Ion:188 Resp: 176483

Ion Ratio Lower Upper

188 100

94 6.2 5.4 8.0

80 8.2 6.8 10.2



#66

n-Nitrosodiphenylamine

Concen: 8.356 ng

RT: 15.749 min Scan# 2104

Delta R.T. -0.212 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

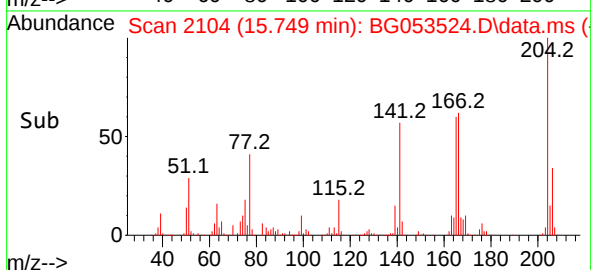
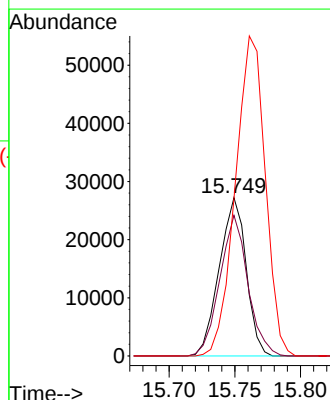
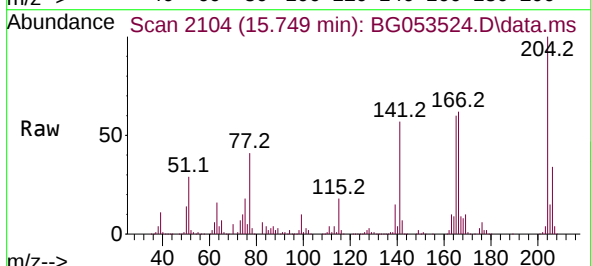
Tgt Ion:169 Resp: 38720

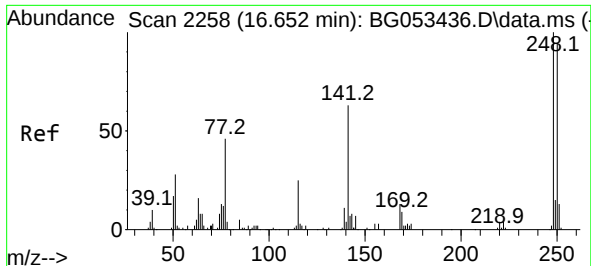
Ion Ratio Lower Upper

169 100

168 88.9 55.9 83.9#

167 99.3 30.6 46.0#

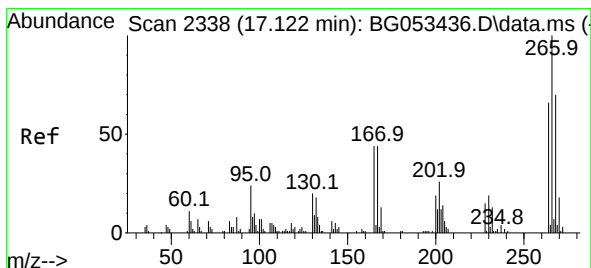
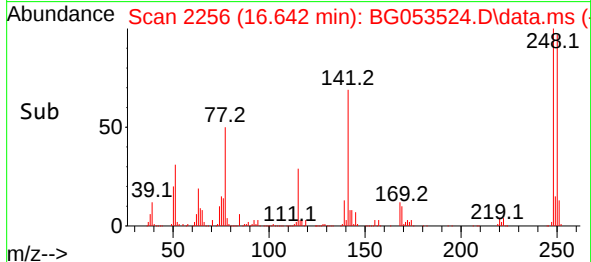
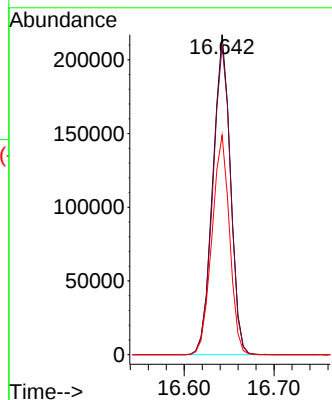
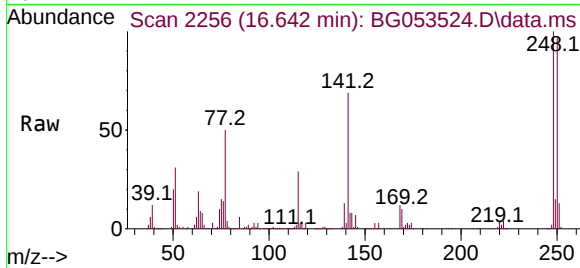




#67
4-Bromophenyl-phenylether
Concen: 143.061 ng
RT: 16.642 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

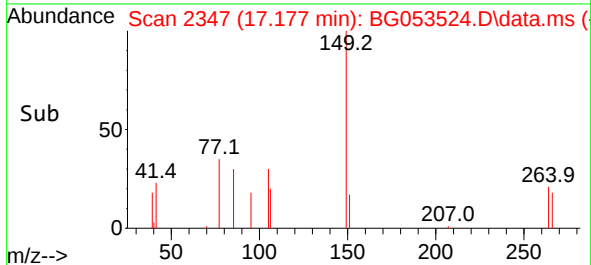
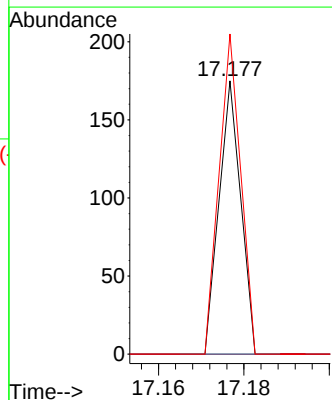
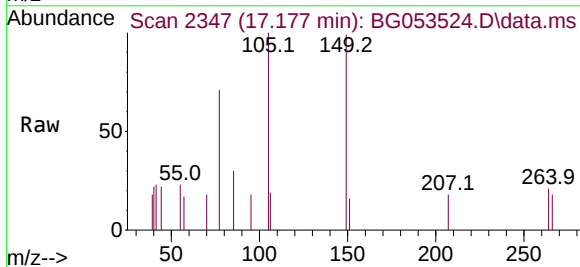
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

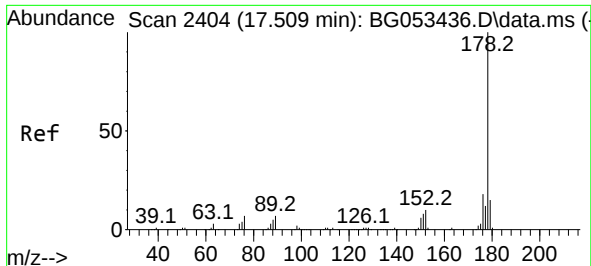
Tgt Ion:248 Resp: 294866
Ion Ratio Lower Upper
248 100
250 96.8 75.2 112.8
141 68.6 50.0 75.0



#70
Pentachlorophenol
Concen: 4.698 ng
RT: 17.177 min Scan# 2347
Delta R.T. 0.058 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:266 Resp: 62
Ion Ratio Lower Upper
266 100
268 0.0 56.2 84.2#
264 117.1 53.0 79.4#

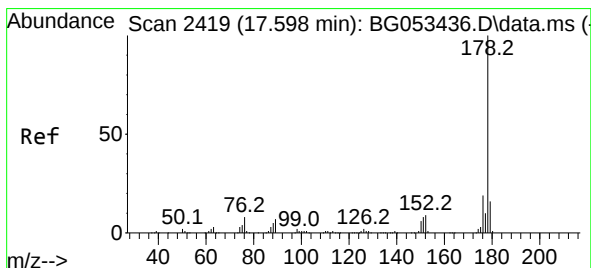
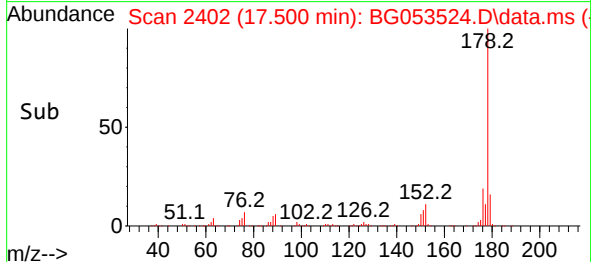
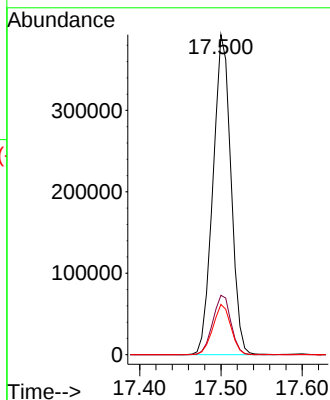
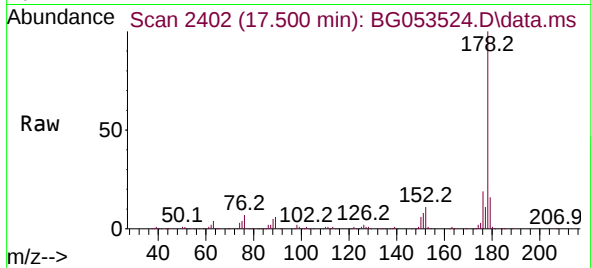




#71
Phenanthrene
Concen: 67.295 ng
RT: 17.500 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

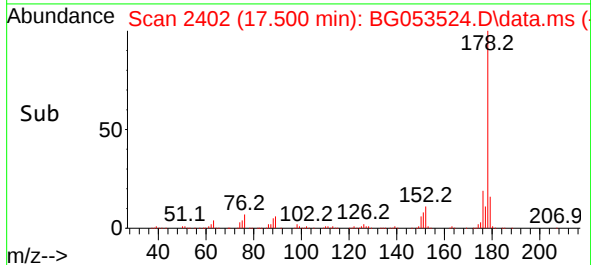
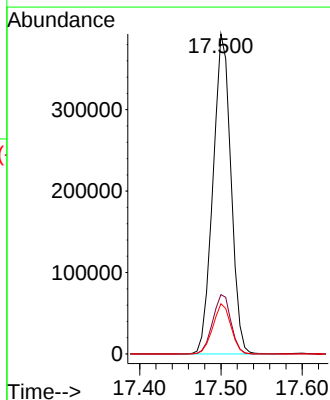
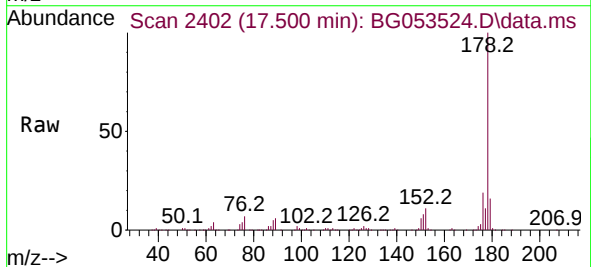
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

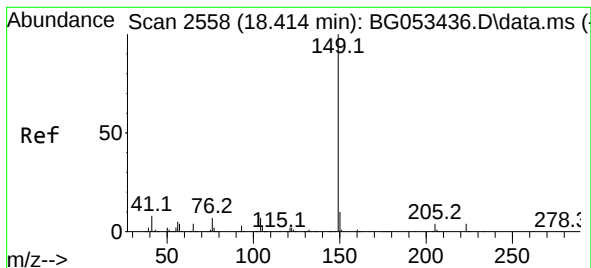
Tgt Ion:178 Resp: 603895
Ion Ratio Lower Upper
178 100
176 18.5 14.1 21.1
179 15.7 12.1 18.1



#72
Anthracene
Concen: 68.465 ng
RT: 17.500 min Scan# 2402
Delta R.T. -0.094 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:178 Resp: 603895
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 15.7 13.0 19.4





#74

Di-n-butylphthalate

Concen: 121.993 ng

RT: 18.410 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

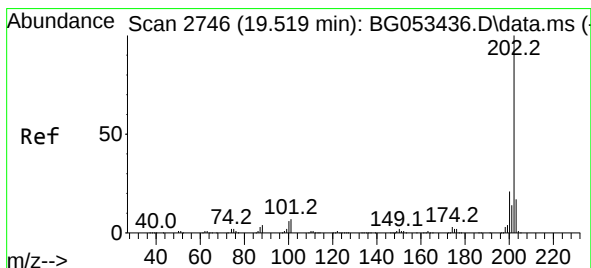
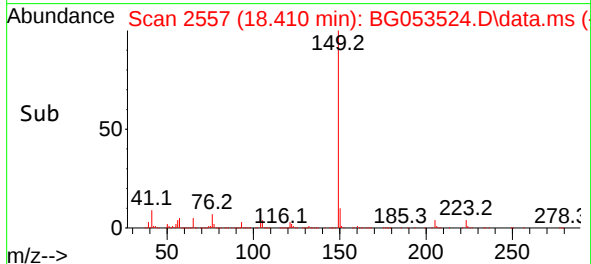
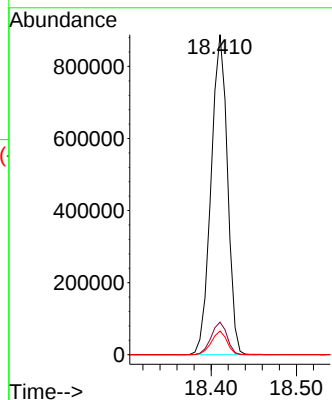
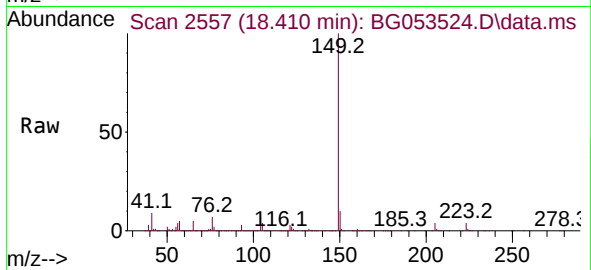
Tgt Ion:149 Resp: 1186054

Ion Ratio Lower Upper

149 100

150 10.2 7.7 11.5

104 7.4 5.4 8.0



#75

Fluoranthene

Concen: 49.929 ng

RT: 19.873 min Scan# 2806

Delta R.T. 0.364 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

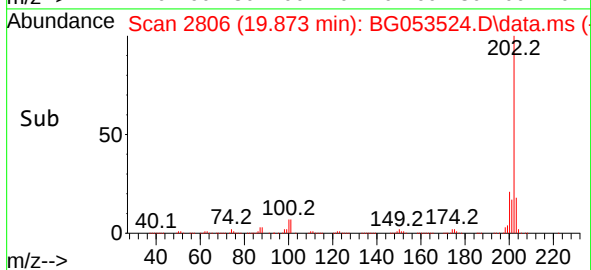
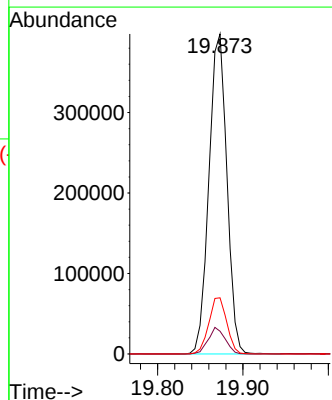
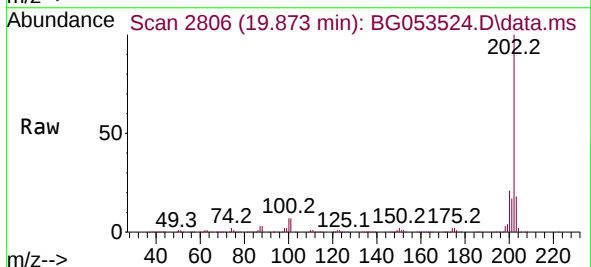
Tgt Ion:202 Resp: 580146

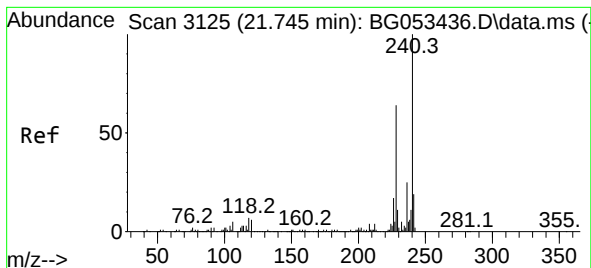
Ion Ratio Lower Upper

202 100

101 7.1 0.0 26.9

203 17.6 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.747 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

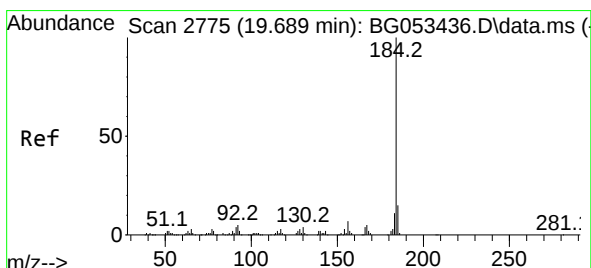
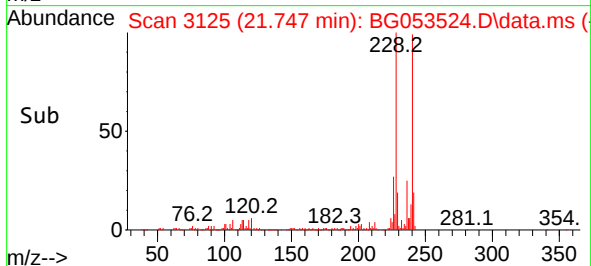
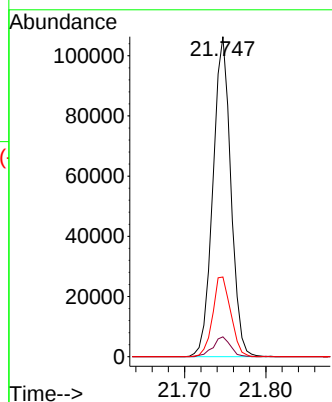
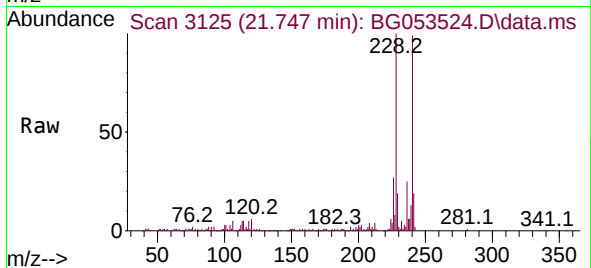
Tgt Ion:240 Resp: 162914

Ion Ratio Lower Upper

240 100

120 6.2 4.6 7.0

236 24.9 20.2 30.4



#77

Benzidine

Concen: 3.824 ng

RT: 20.061 min Scan# 2838

Delta R.T. 0.381 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

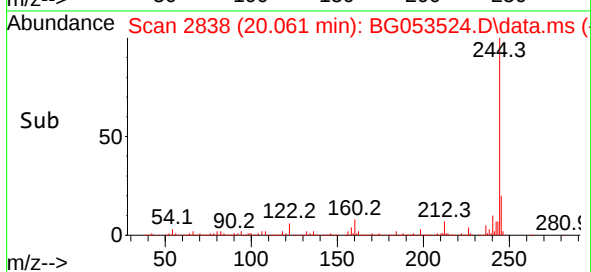
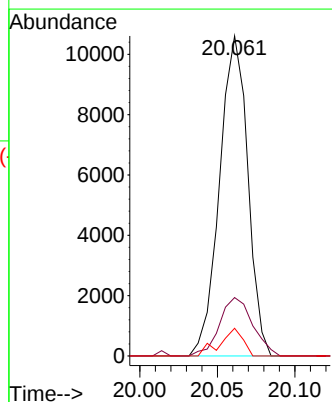
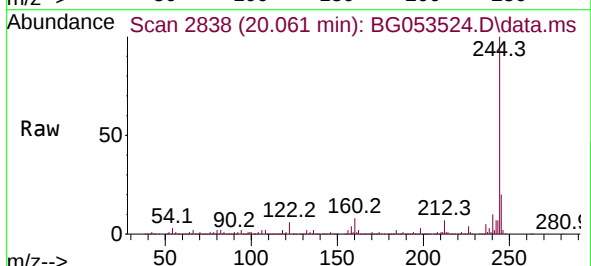
Tgt Ion:184 Resp: 13429

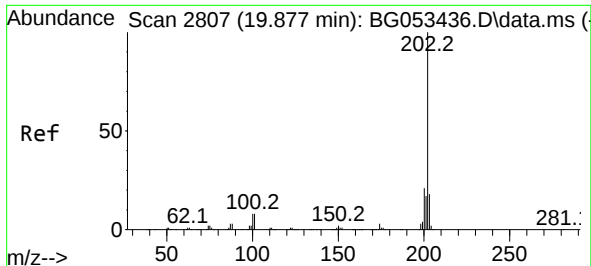
Ion Ratio Lower Upper

184 100

185 18.3 11.8 17.6#

183 8.7 8.9 13.3#

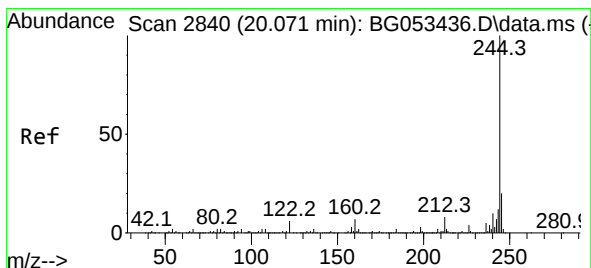
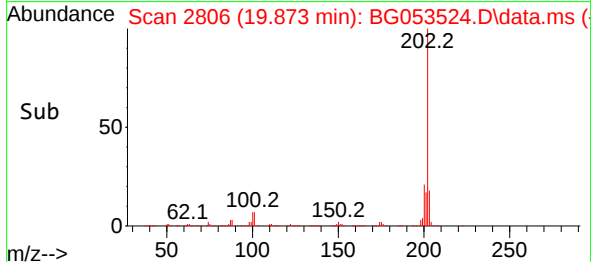
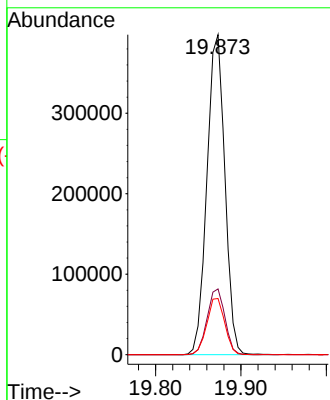
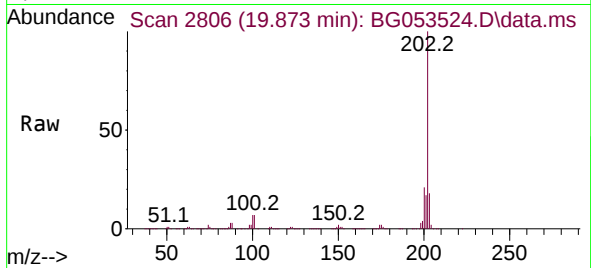




#78
 Pyrene
 Concen: 55.010 ng
 RT: 19.873 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG053524.D
 Acq: 11 May 2022 13:26

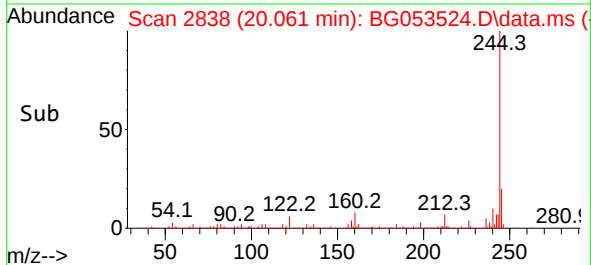
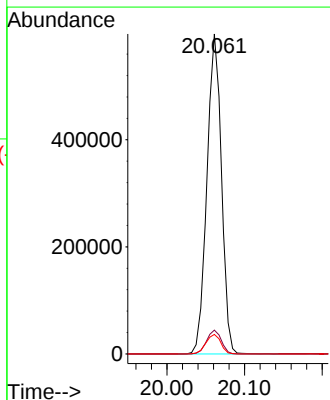
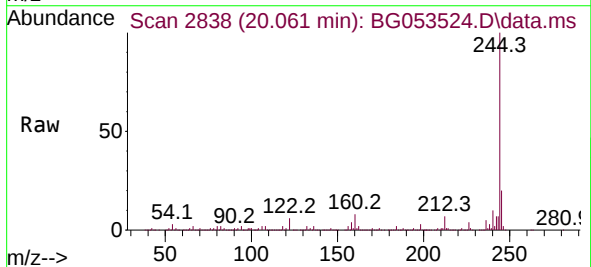
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

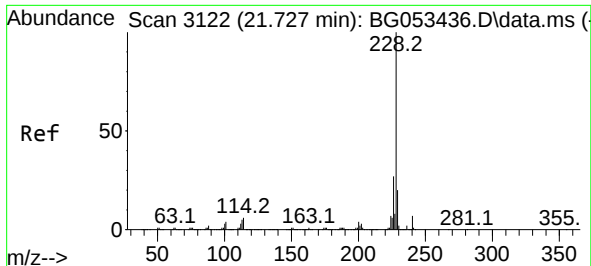
Tgt Ion:202 Resp: 580146
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.6 24.8
 203 17.6 14.6 21.8



#79
 Terphenyl-d14
 Concen: 88.744 ng
 RT: 20.061 min Scan# 2838
 Delta R.T. -0.000 min
 Lab File: BG053524.D
 Acq: 11 May 2022 13:26

Tgt Ion:244 Resp: 776262
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 6.1 5.0 7.4

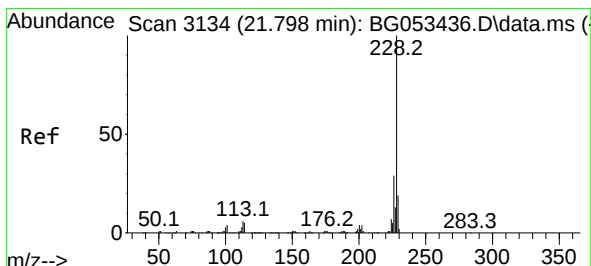
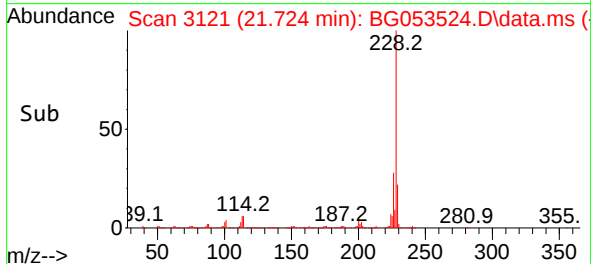
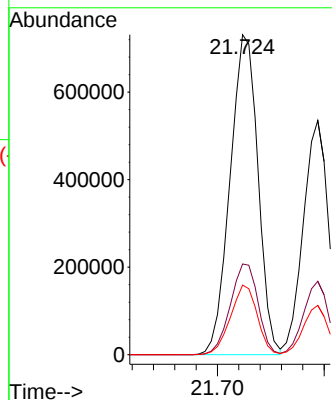
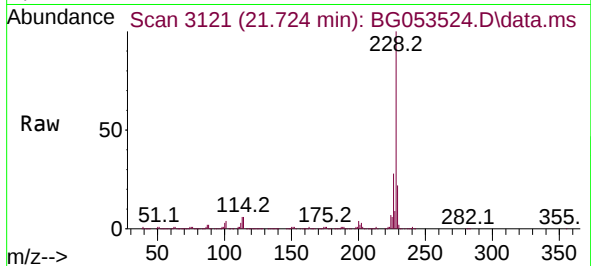




#81
Benzo(a)anthracene
Concen: 128.044 ng
RT: 21.724 min Scan# 3122
Delta R.T. 0.005 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

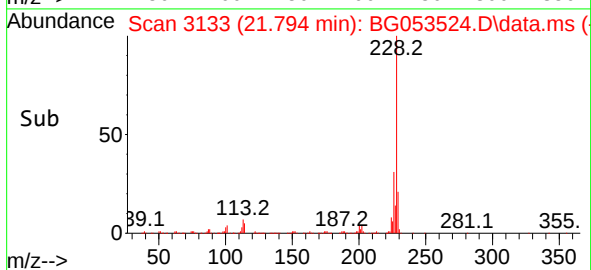
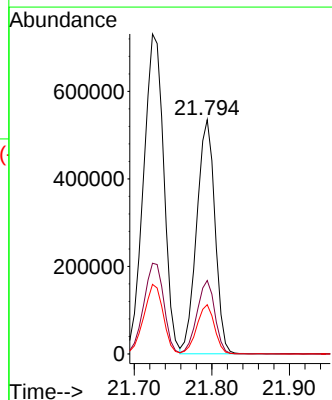
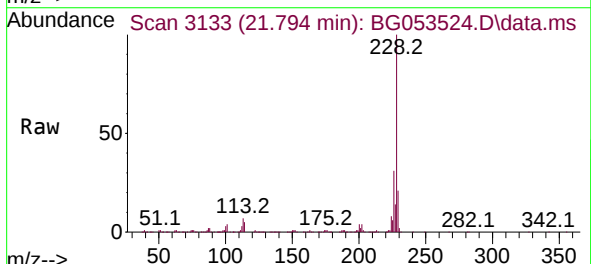
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

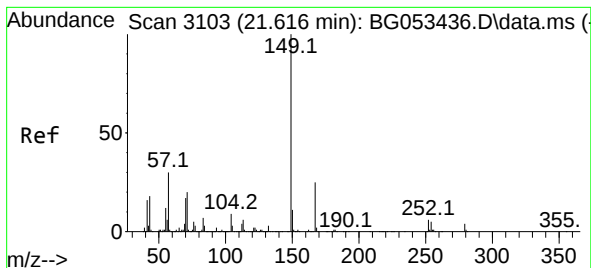
Tgt Ion:228 Resp: 1330505
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 21.7 16.2 24.2



#83
Chrysene
Concen: 90.034 ng
RT: 21.794 min Scan# 3133
Delta R.T. 0.005 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:228 Resp: 873761
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.2
229 21.1 15.5 23.3

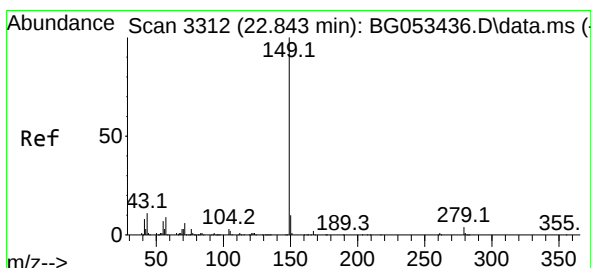
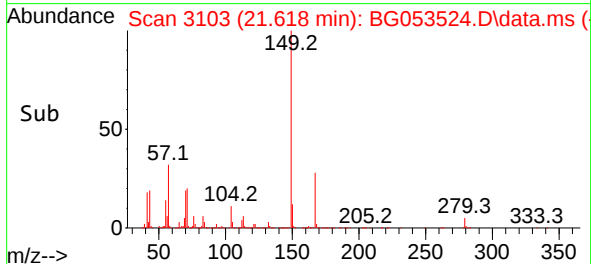
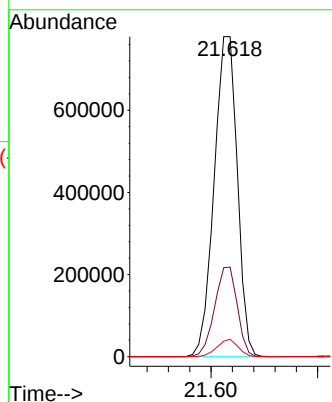
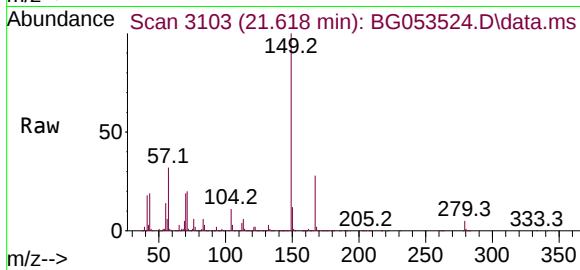




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 219.721 ng
 RT: 21.618 min Scan# 3103
 Delta R.T. 0.011 min
 Lab File: BG053524.D
 Acq: 11 May 2022 13:26

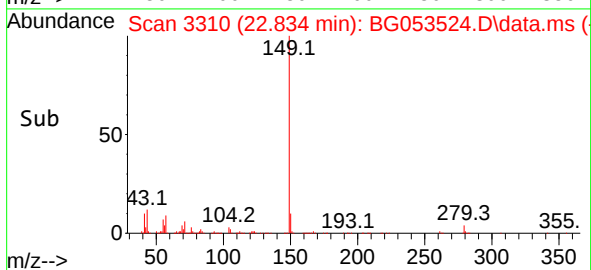
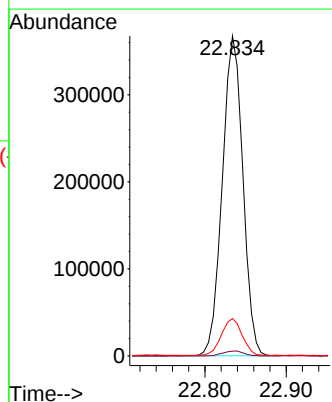
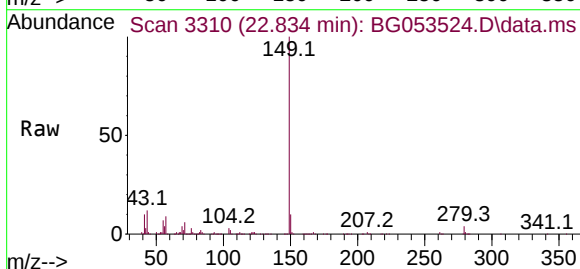
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

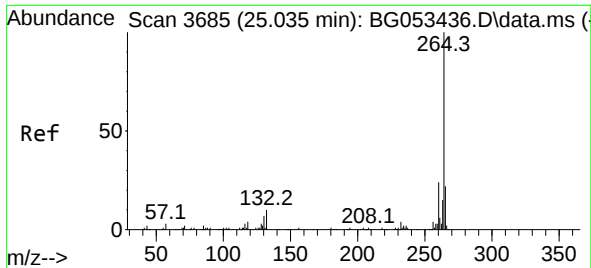
Tgt Ion:149 Resp: 1172805
 Ion Ratio Lower Upper
 149 100
 167 28.0 20.2 30.4
 279 5.4 3.6 5.4#



#85
 Di-n-octyl phthalate
 Concen: 71.582 ng
 RT: 22.834 min Scan# 3310
 Delta R.T. -0.000 min
 Lab File: BG053524.D
 Acq: 11 May 2022 13:26

Tgt Ion:149 Resp: 646097
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 11.6 9.0 13.4

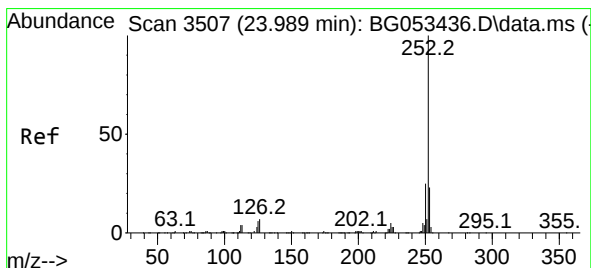
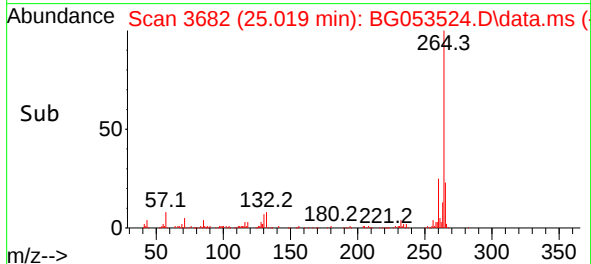
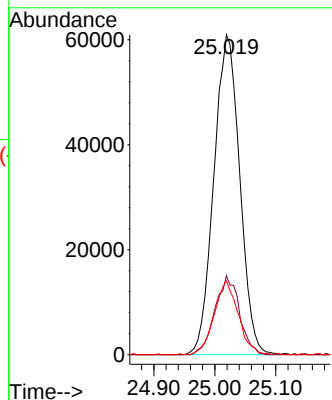
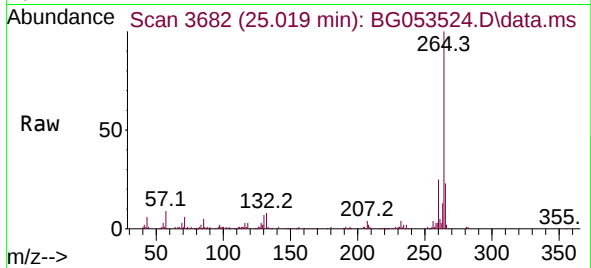




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.019 min Scan# 30
Delta R.T. -0.000 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

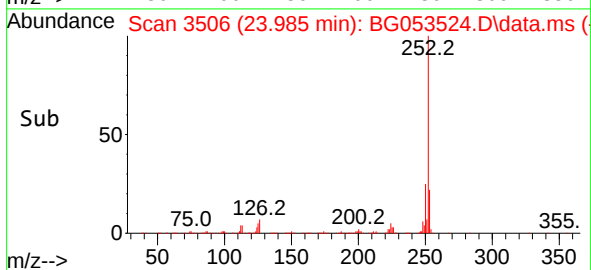
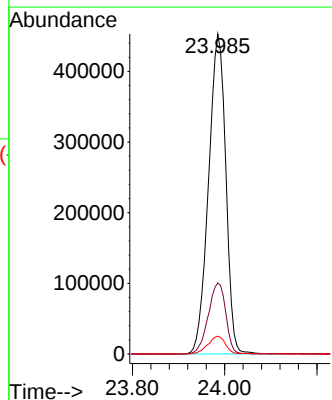
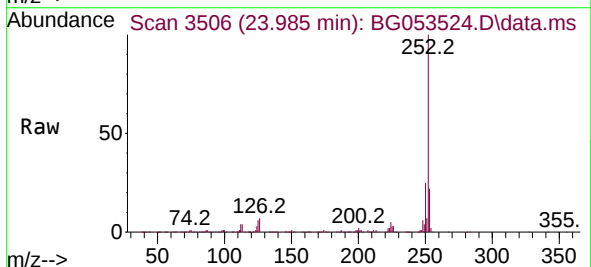
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

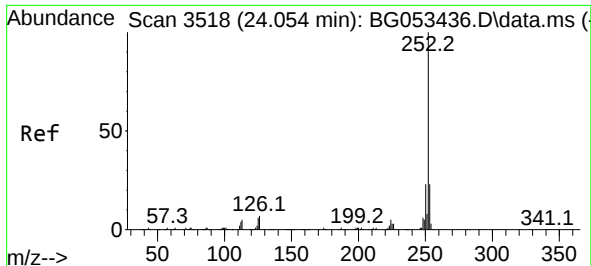
Tgt Ion:264 Resp: 179673
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.6
265 23.0 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 110.643 ng
RT: 23.985 min Scan# 3506
Delta R.T. 0.005 min
Lab File: BG053524.D
Acq: 11 May 2022 13:26

Tgt Ion:252 Resp: 1176703
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 5.6 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 112.595 ng

RT: 23.985 min Scan# 3

Delta R.T. -0.059 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

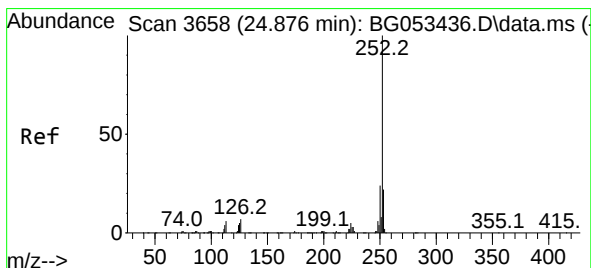
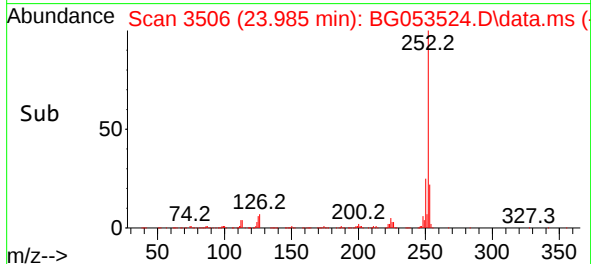
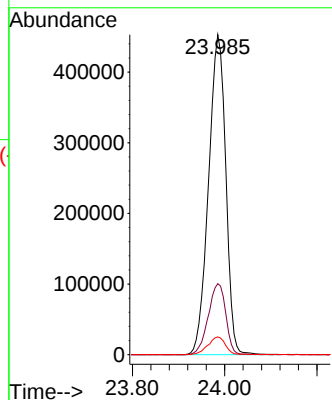
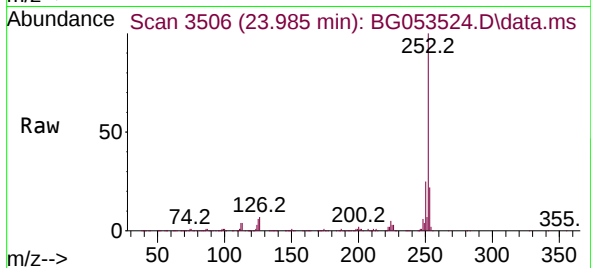
Tgt Ion:252 Resp: 1176703

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

125 5.6 4.8 7.2



#90

Benzo(a)pyrene

Concen: 83.973 ng

RT: 24.872 min Scan# 3657

Delta R.T. 0.006 min

Lab File: BG053524.D

Acq: 11 May 2022 13:26

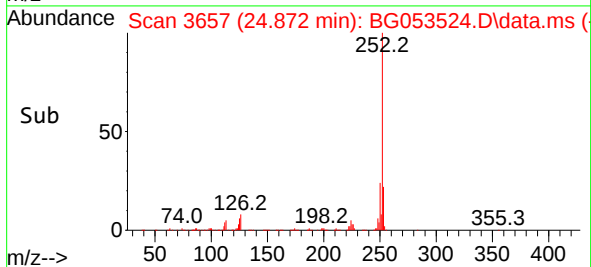
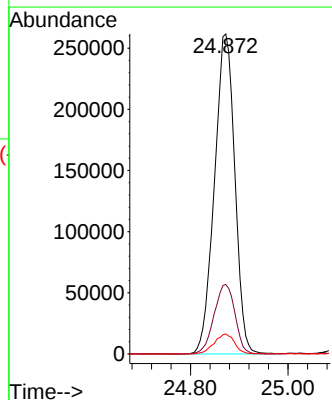
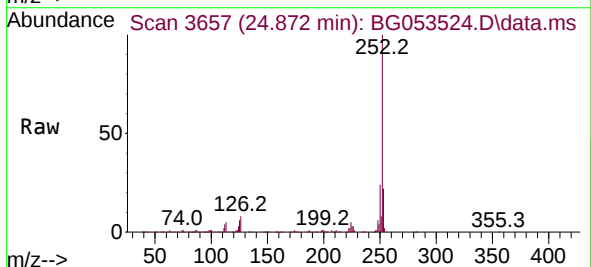
Tgt Ion:252 Resp: 760133

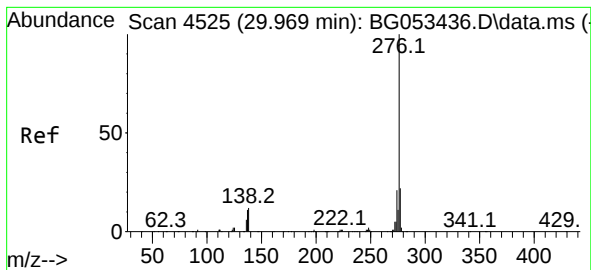
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 6.3 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 60.718 ng

RT: 29.971 min Scan# 4

Delta R.T. 0.017 min

Lab File: BG053524.D

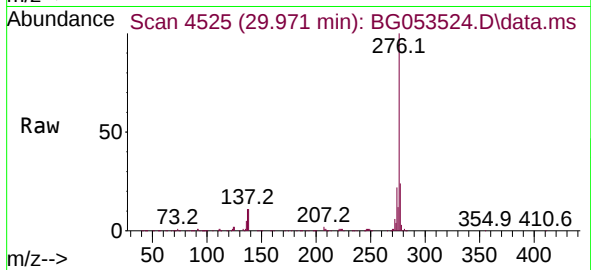
Acq: 11 May 2022 13:26

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL



Tgt Ion:276 Resp: 620605

Ion Ratio Lower Upper

276 100

277 23.7 17.3 25.9

138 11.2 9.6 14.4

