

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100522\
 Data File : BG055077.D
 Acq On : 5 Oct 2022 15:44
 Operator : CG/JU
 Sample : N4943-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001-0930DL

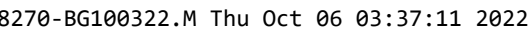
Quant Time: Oct 06 03:37:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 07:12:22 2022
 Response via : Initial Calibration

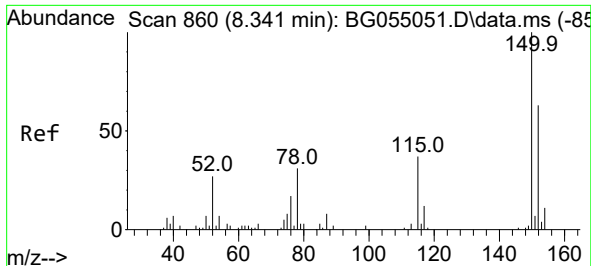
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.336	152	28700	20.000	ng	0.00
21) Naphthalene-d8	11.168	136	120279	20.000	ng	0.00
39) Acenaphthene-d10	14.946	164	85151	20.000	ng	0.00
64) Phenanthrene-d10	17.678	188	202700	20.000	ng	0.00
76) Chrysene-d12	21.973	240	206980	20.000	ng	0.00
86) Perylene-d12	25.428	264	220897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.851	112	33747	26.117	ng	0.00
7) Phenol-d6	7.461	99	45567	23.536	ng	0.00
23) Nitrobenzene-d5	9.505	82	27711	13.767	ng	0.00
42) 2,4,6-Tribromophenol	16.421	330	23682	31.763	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	68755	12.605	ng	0.00
79) Terphenyl-d14	20.251	244	133799	13.066	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.505	70	3769	2.010	ng	# 74
31) Naphthalene	11.221	128	90885	14.317	ng	98
33) 4-Chloroaniline	11.215	127	12072	4.599	ng	# 34
36) 4-Chloro-3-methylphenol	11.955	107	55	2.927	ng	# 22
37) 2-Methylnaphthalene	12.796	142	48267	10.317	ng	96
38) 1-Methylnaphthalene	13.013	142	22407	4.924	ng	96
46) 1,1'-Biphenyl	13.783	154	13586	2.327	ng	97
48) 2-Nitroaniline	14.106	65	63	4.125	ng	# 7
51) 2,6-Dinitrotoluene	14.905	165	1439	4.631	ng	# 34
52) Acenaphthene	15.011	154	46183	9.548	ng	97
55) Dibenzofuran	15.340	168	81699	10.586	ng	99
56) 4-Nitrophenol	15.340	139	31070	32.426	ng	# 2
57) 2,4-Dinitrotoluene	15.246	165	355	3.807	ng	# 15
58) Fluorene	15.986	166	85337	13.818	ng	98
71) Phenanthrene	17.725	178	382696	35.942	ng	99
72) Anthracene	17.813	178	29177	2.817	ng	100
75) Fluoranthene	19.711	202	221407	16.668	ng	98
78) Pyrene	20.069	202	137988	10.026	ng	99
80) Butylbenzylphthalate	20.939	149	908	5.028	ng	# 70
81) Benzo(a)anthracene	21.955	228	39724	3.021	ng	99
83) Chrysene	22.026	228	29751	2.348	ng	95
84) Bis(2-ethylhexyl)phtha...	21.679	149	821150	120.655	ng	# 54
85) Di-n-octyl phthalate	23.136	149	2582	4.558	ng	# 71

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

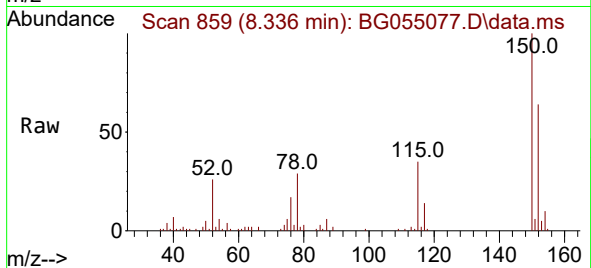
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 04 07:12:22 2022
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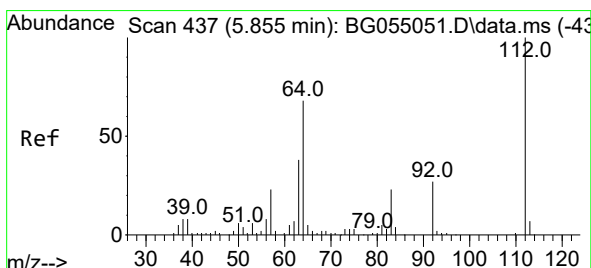
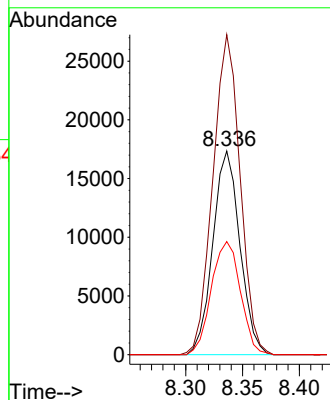
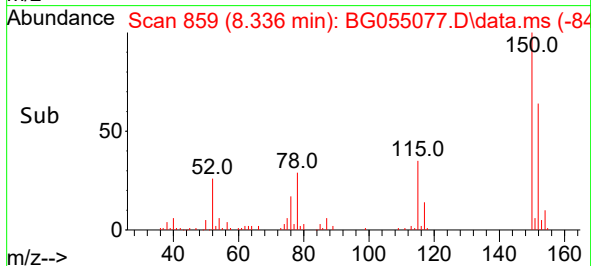


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.336 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

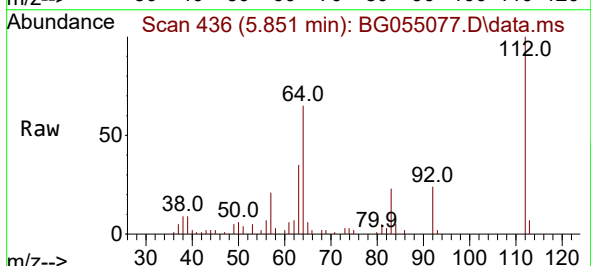
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL



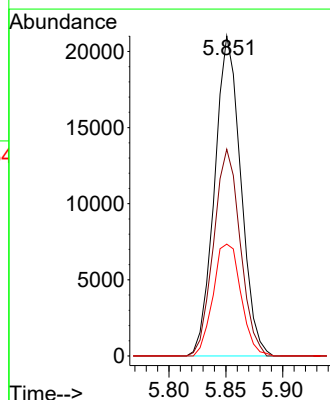
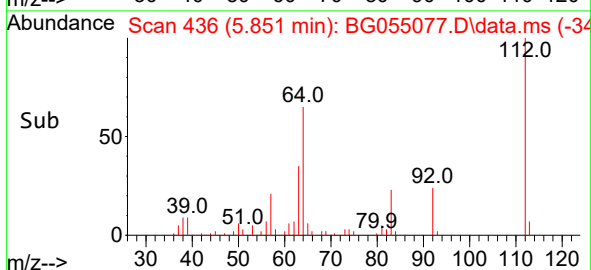
Tgt Ion:152 Resp: 28700
Ion Ratio Lower Upper
152 100
150 157.1 128.0 192.0
115 55.5 47.7 71.5

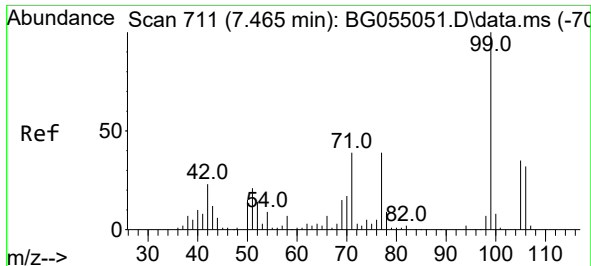


#5
2-Fluorophenol
Concen: 26.117 ng
RT: 5.851 min Scan# 436
Delta R.T. -0.004 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44



Tgt Ion:112 Resp: 33747
Ion Ratio Lower Upper
112 100
64 64.6 54.5 81.7
63 34.9 30.5 45.7

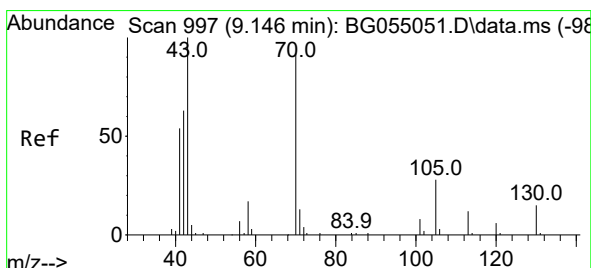
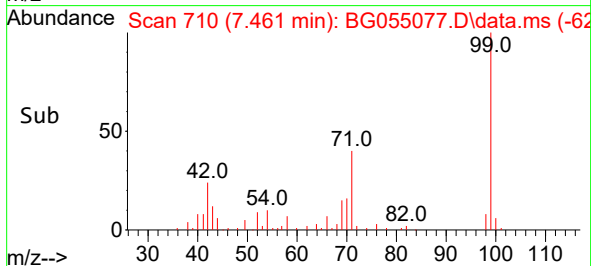
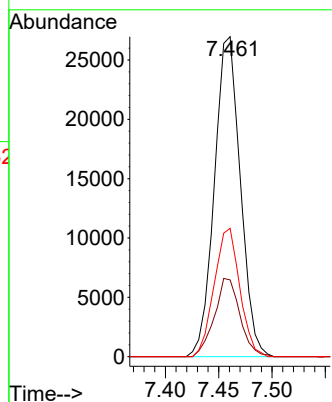
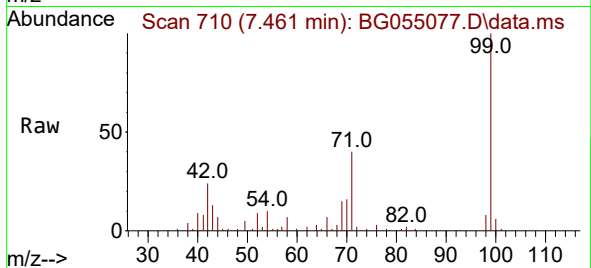




#7
Phenol-d6
Concen: 23.536 ng
RT: 7.461 min Scan# 711
Delta R.T. -0.004 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

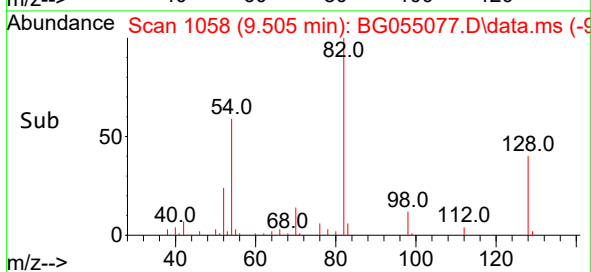
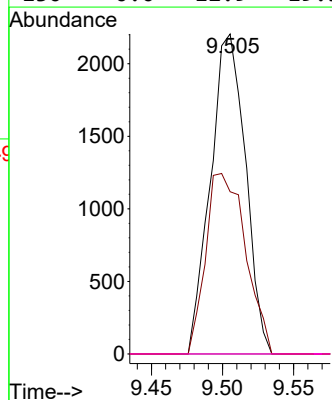
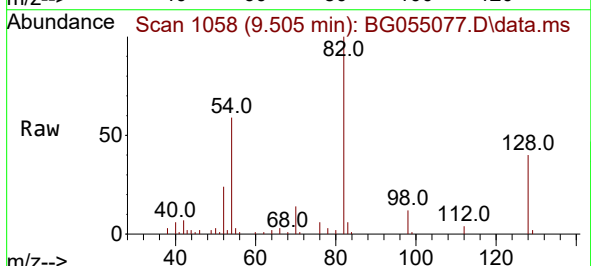
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

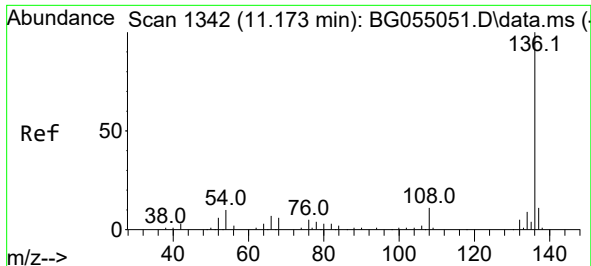
Tgt Ion: 99 Resp: 45567
Ion Ratio Lower Upper
99 100
42 24.0 18.6 28.0
71 40.1 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.010 ng
RT: 9.505 min Scan# 1058
Delta R.T. 0.360 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion: 70 Resp: 3769
Ion Ratio Lower Upper
70 100
42 50.7 55.8 83.6#
101 0.0 7.1 10.7#
130 0.0 12.9 19.3#

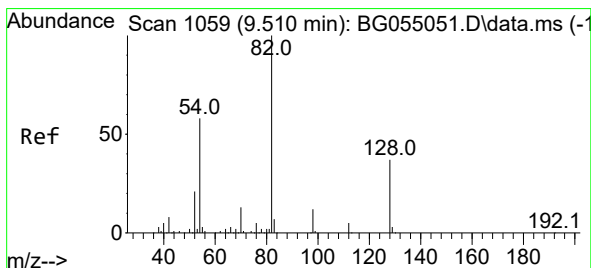
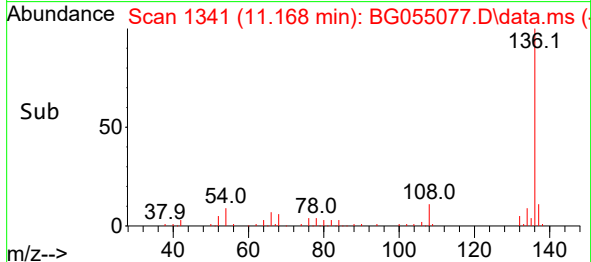
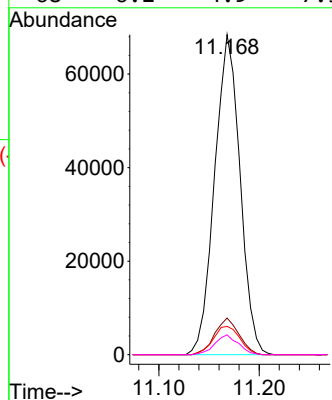
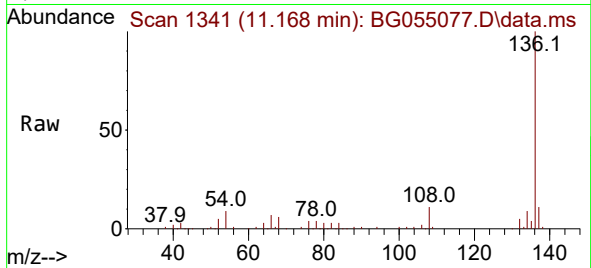




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.168 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

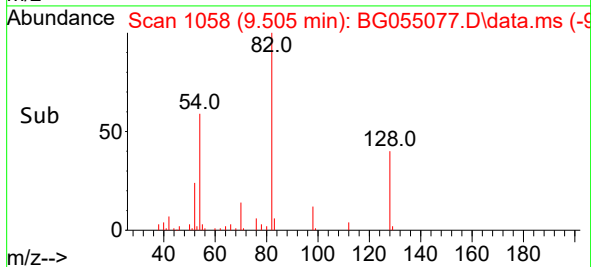
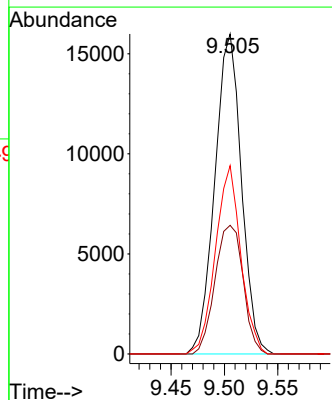
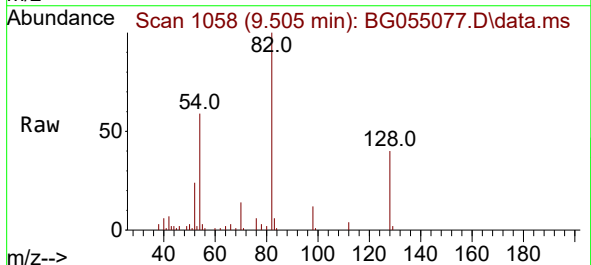
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

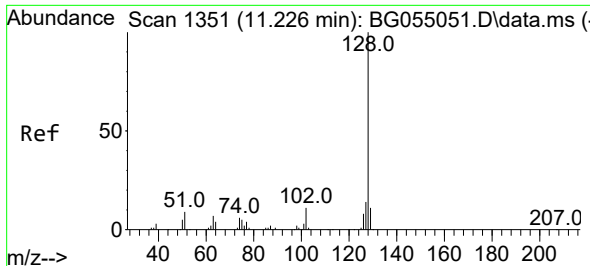
Tgt Ion:	136	Resp:	120279
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.7	13.1
54	8.9	8.2	12.4
68	6.2	4.9	7.3



#23
Nitrobenzene-d5
Concen: 13.767 ng
RT: 9.505 min Scan# 1058
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:	82	Resp:	27711
Ion Ratio	Lower	Upper	
82	100		
128	40.2	29.5	44.3
54	58.9	46.7	70.1

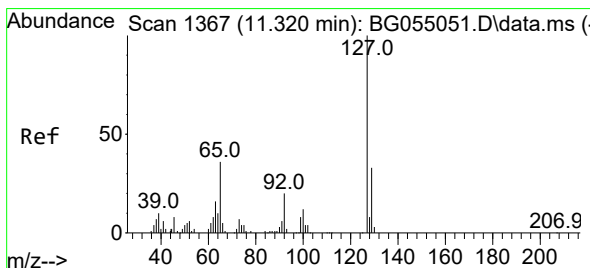
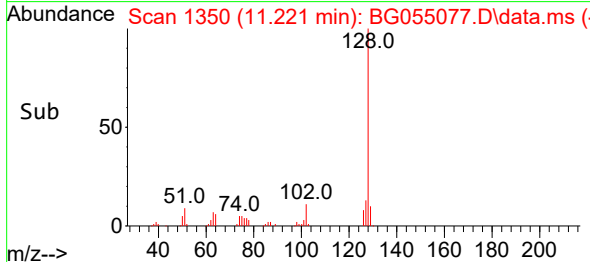
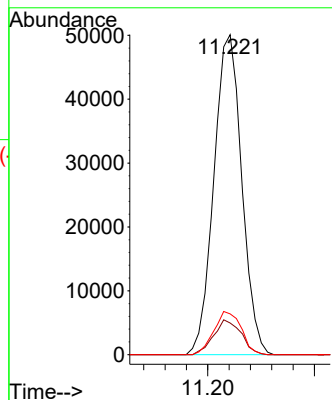
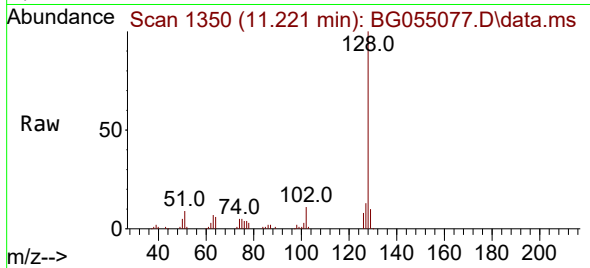




#31
Naphthalene
Concen: 14.317 ng
RT: 11.221 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

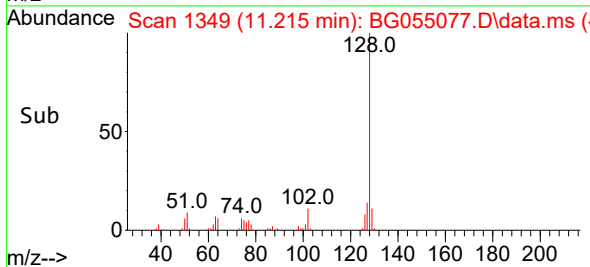
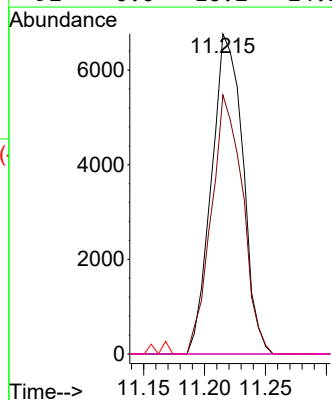
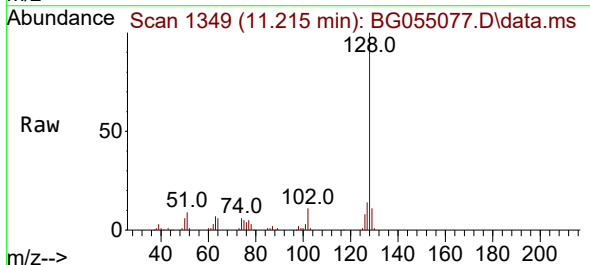
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

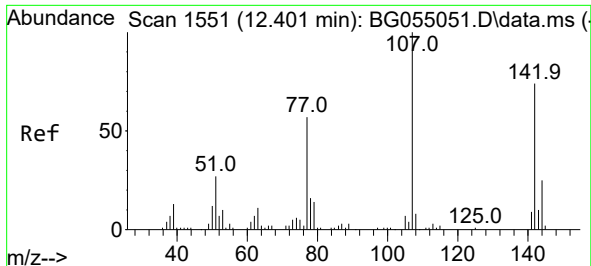
Tgt Ion:128 Resp: 90885
Ion Ratio Lower Upper
128 100
129 9.9 8.7 13.1
127 12.8 10.9 16.3



#33
4-Chloroaniline
Concen: 4.599 ng
RT: 11.215 min Scan# 1349
Delta R.T. -0.105 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:127 Resp: 12072
Ion Ratio Lower Upper
127 100
129 80.9 26.4 39.6#
65 0.0 28.6 43.0#
92 0.0 16.2 24.2#

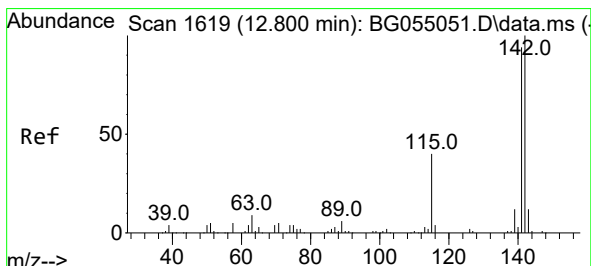
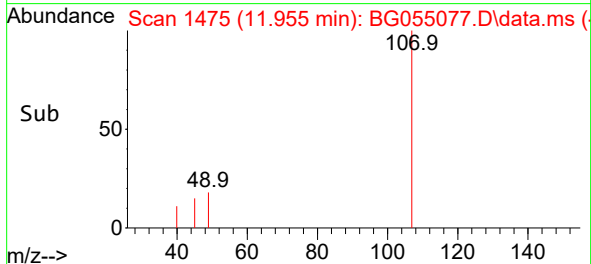
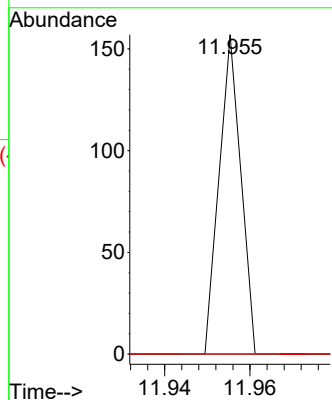
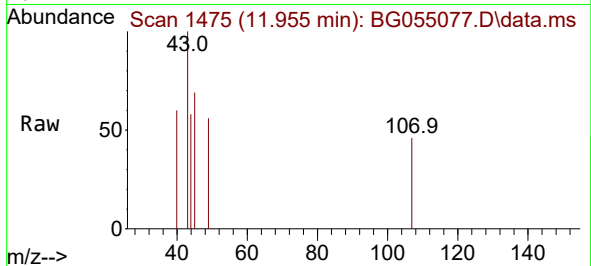




#36
4-Chloro-3-methylphenol
Concen: 2.927 ng
RT: 11.955 min Scan# 14
Delta R.T. -0.446 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

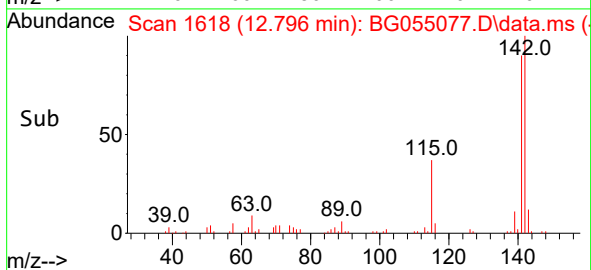
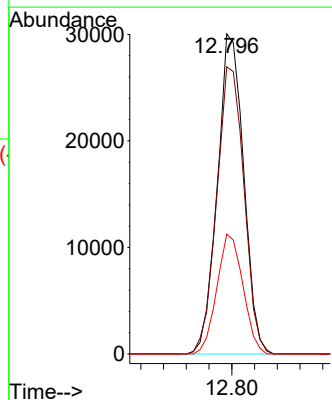
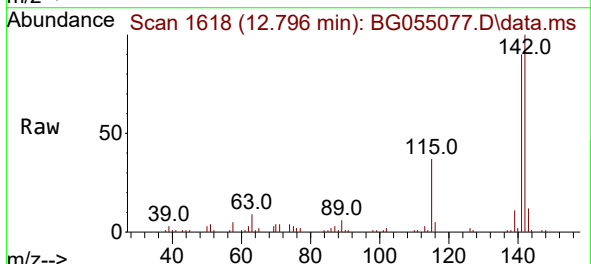
Instrument :
BNA_G
ClientSampleId :
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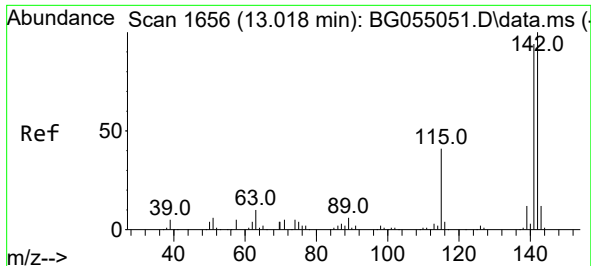
Tgt Ion:107 Resp: 55
Ion Ratio Lower Upper
107 100
144 0.0 19.7 29.5#
142 0.0 59.3 88.9#



#37
2-Methylnaphthalene
Concen: 10.317 ng
RT: 12.796 min Scan# 1618
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

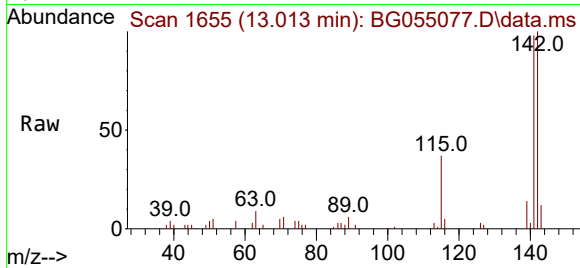
Tgt Ion:142 Resp: 48267
Ion Ratio Lower Upper
142 100
141 89.7 75.0 112.4
115 37.5 31.7 47.5



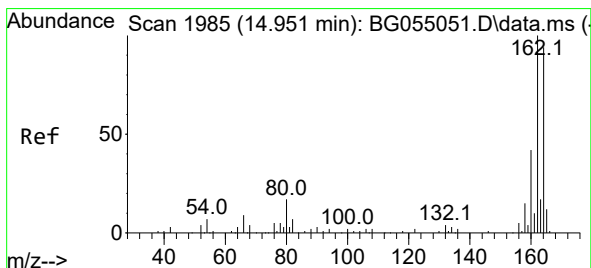
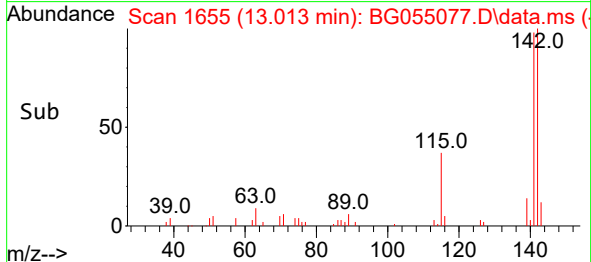
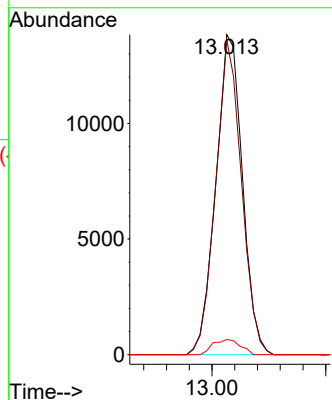


#38
1-Methylnaphthalene
Concen: 4.924 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

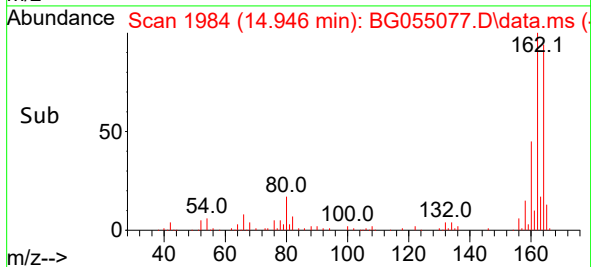
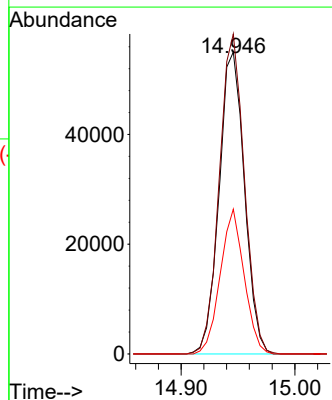
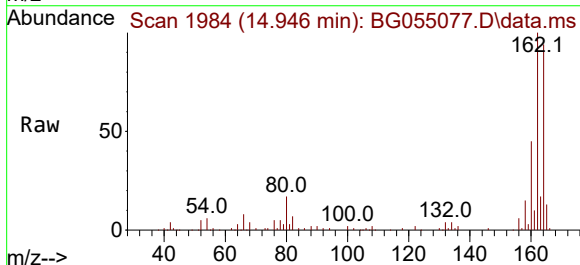


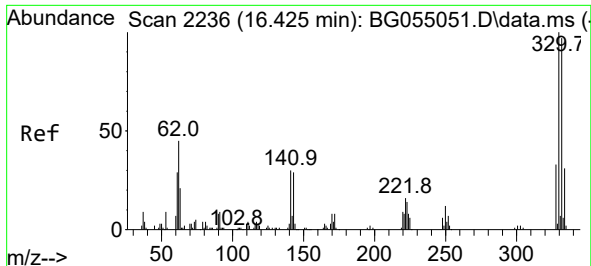
Tgt Ion:142 Resp: 22407
Ion Ratio Lower Upper
142 100
141 98.4 75.5 113.3
116 4.8 3.4 5.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.946 min Scan# 1984
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

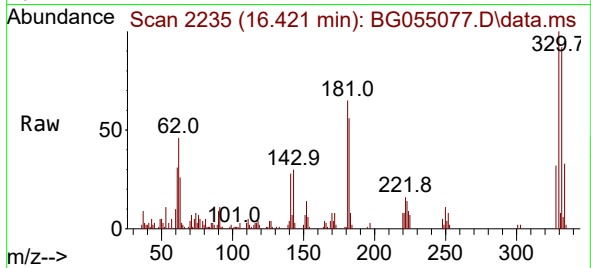
Tgt Ion:164 Resp: 85151
Ion Ratio Lower Upper
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162 106.0 85.5 128.3
160 47.9 35.5 53.3



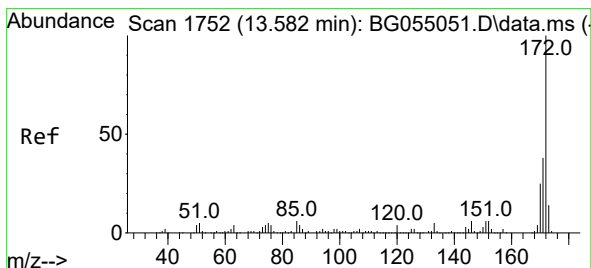
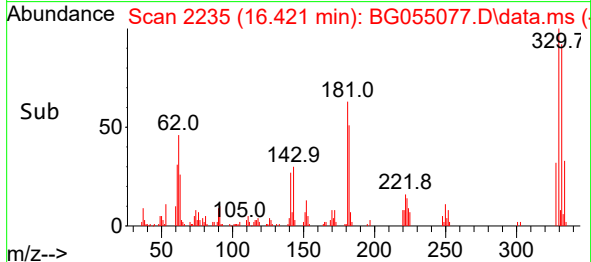
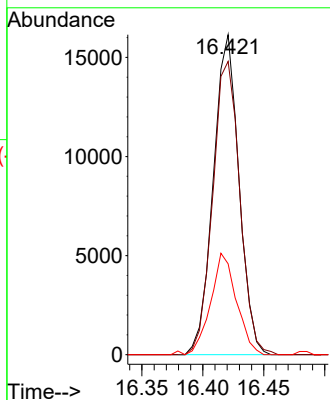


#42
2,4,6-Tribromophenol
Concen: 31.763 ng
RT: 16.421 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

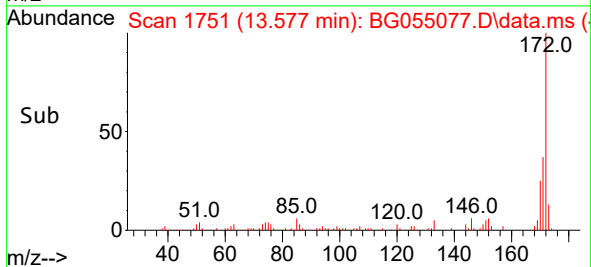
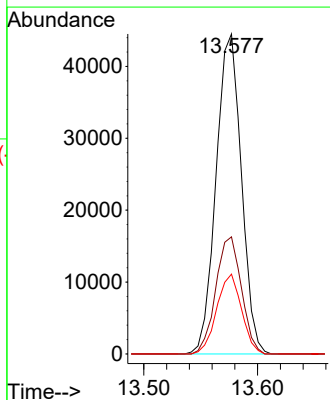
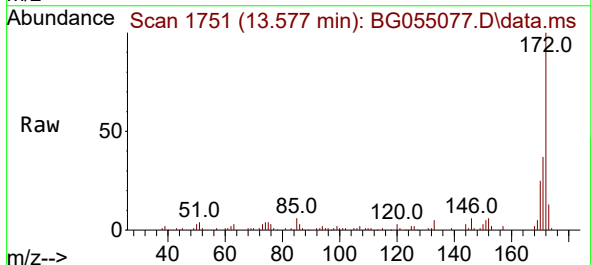


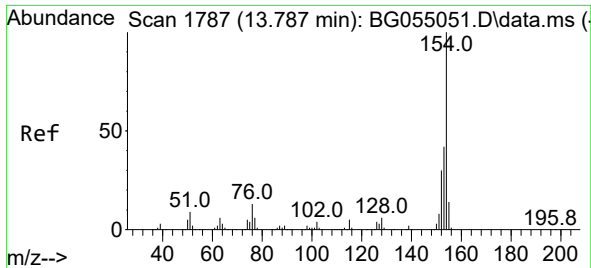
Tgt Ion:330 Resp: 23682
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 32.1 25.0 37.4



#45
2-Fluorobiphenyl
Concen: 12.605 ng
RT: 13.577 min Scan# 1751
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:172 Resp: 68755
Ion Ratio Lower Upper
172 100
171 36.6 30.1 45.1
170 25.0 20.0 30.0

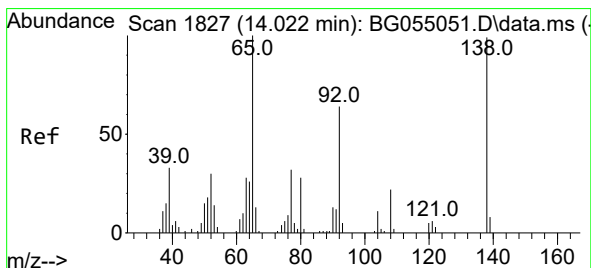
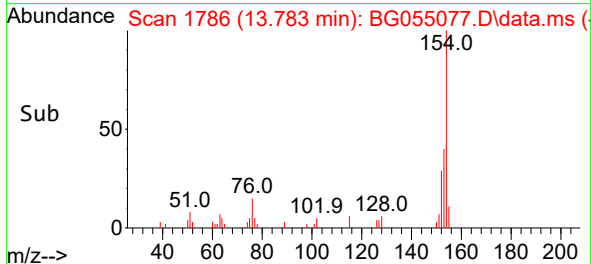
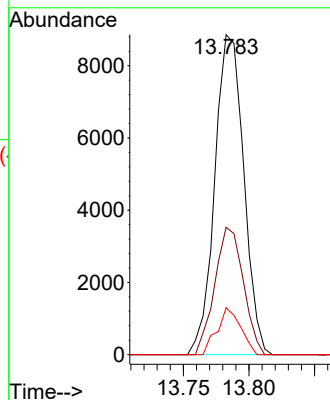
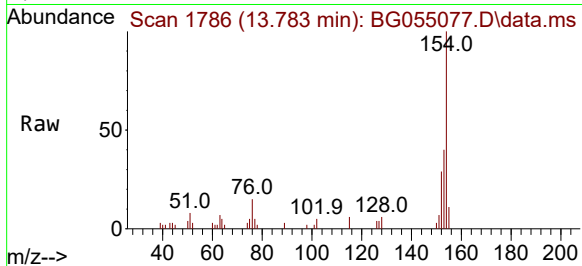




#46
1,1'-Biphenyl
Concen: 2.327 ng
RT: 13.783 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

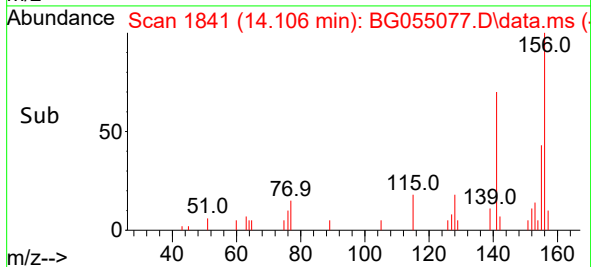
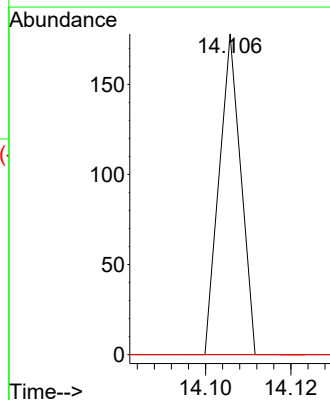
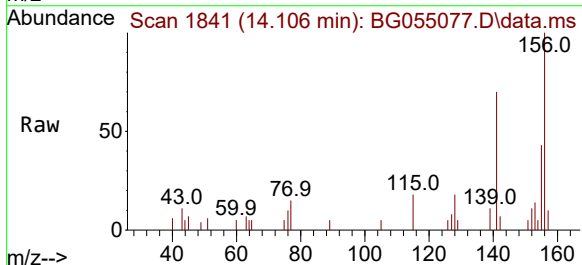
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

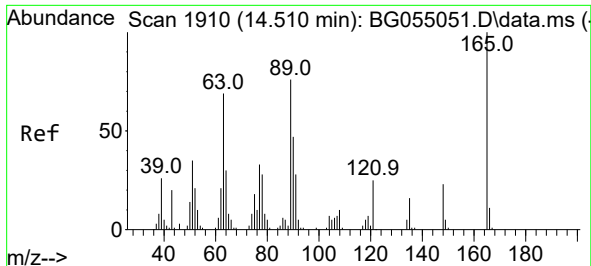
Tgt Ion:154 Resp: 13586
Ion Ratio Lower Upper
154 100
153 39.8 22.0 62.0
76 14.7 0.0 33.3



#48
2-Nitroaniline
Concen: 4.125 ng
RT: 14.106 min Scan# 1841
Delta R.T. 0.084 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion: 65 Resp: 63
Ion Ratio Lower Upper
65 100
92 0.0 50.9 76.3#
138 0.0 79.5 119.3#

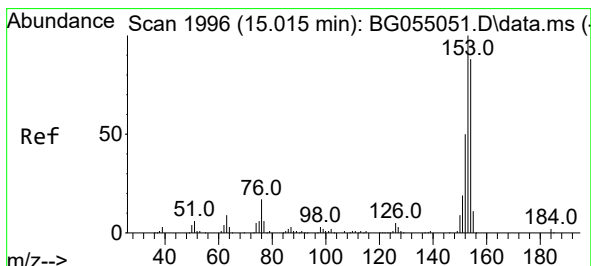
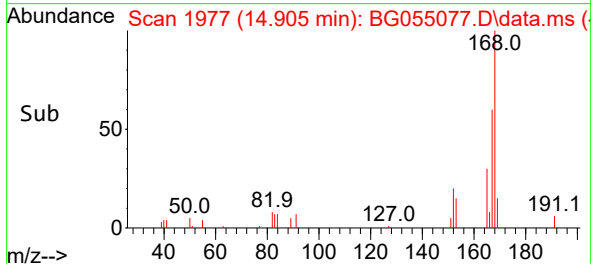
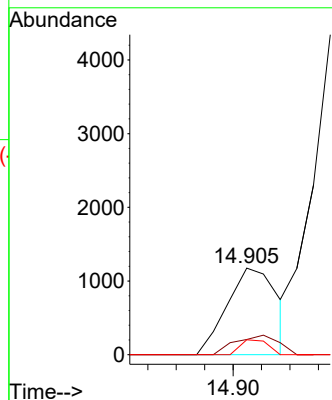
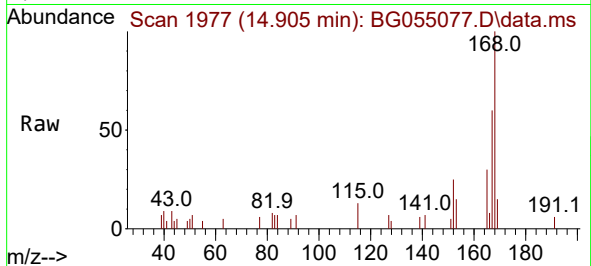




#51
2,6-Dinitrotoluene
Concen: 4.631 ng
RT: 14.905 min Scan# 1910
Delta R.T. 0.395 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

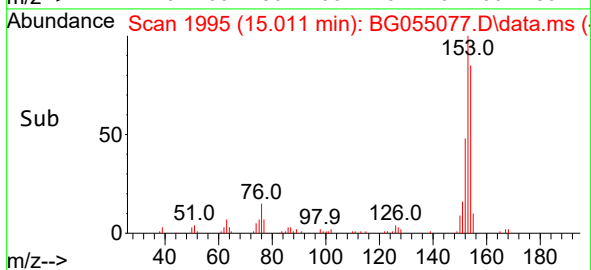
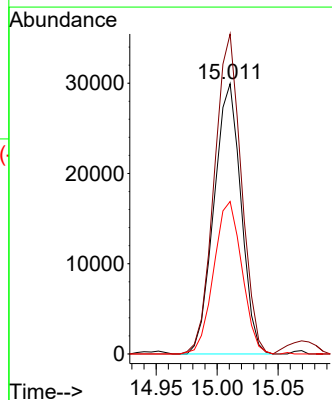
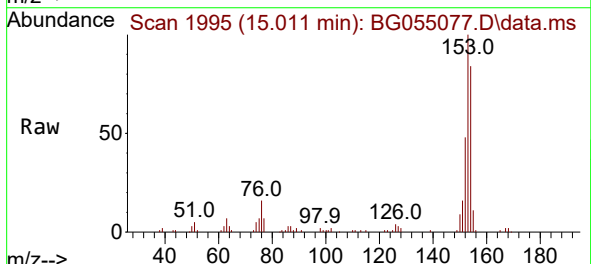
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

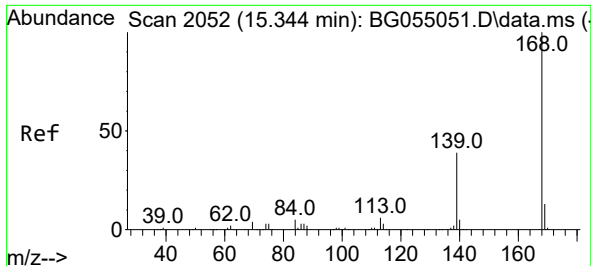
Tgt Ion:165 Resp: 1439
Ion Ratio Lower Upper
165 100
63 17.6 56.2 84.4#
89 17.2 60.4 90.6#



#52
Acenaphthene
Concen: 9.548 ng
RT: 15.011 min Scan# 1995
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:154 Resp: 46183
Ion Ratio Lower Upper
154 100
153 118.4 91.4 137.0
152 56.5 45.3 67.9

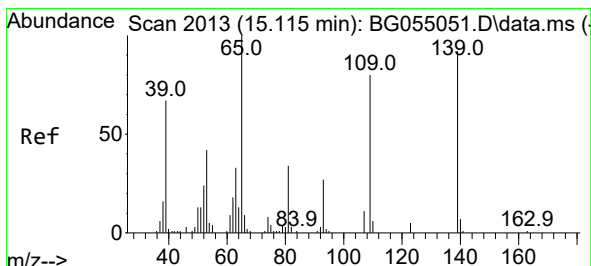
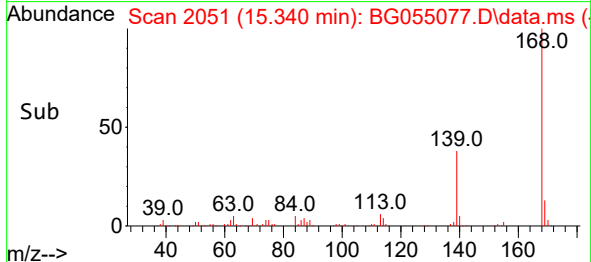
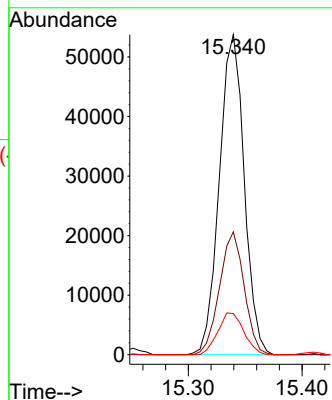
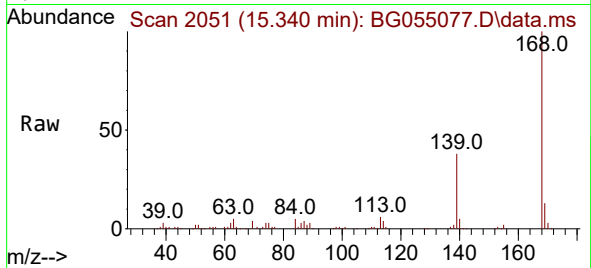




#55
Dibenzenofuran
Concen: 10.586 ng
RT: 15.340 min Scan# 2051
Delta R.T. -0.004 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

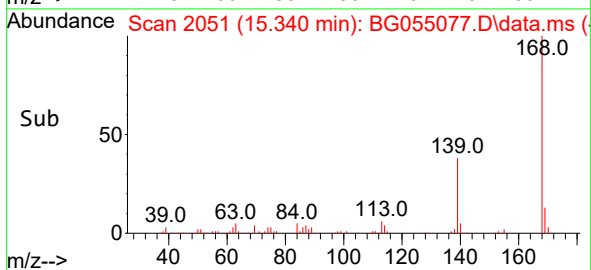
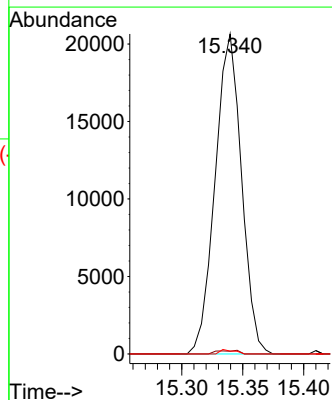
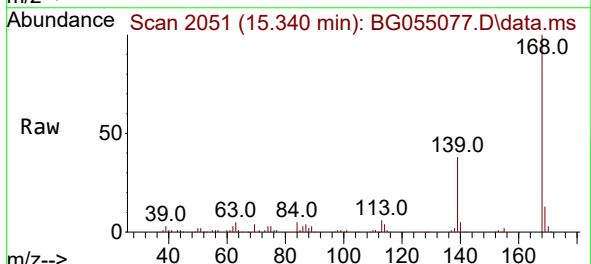
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

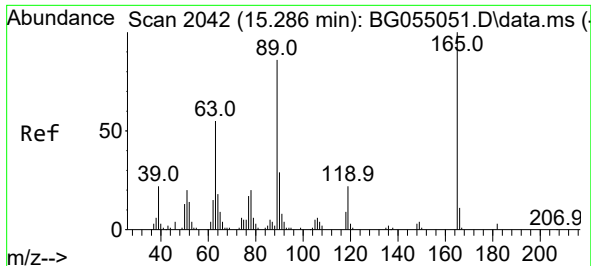
Tgt Ion:168 Resp: 81699
Ion Ratio Lower Upper
168 100
139 38.4 31.0 46.4
169 12.9 10.6 16.0



#56
4-Nitrophenol
Concen: 32.426 ng
RT: 15.340 min Scan# 2051
Delta R.T. 0.225 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:139 Resp: 31070
Ion Ratio Lower Upper
139 100
109 0.9 66.6 106.6#
65 0.9 88.5 128.5#





#57

2,4-Dinitrotoluene

Concen: 3.807 ng

RT: 15.246 min Scan# 2042

Delta R.T. -0.040 min

Lab File: BG055077.D

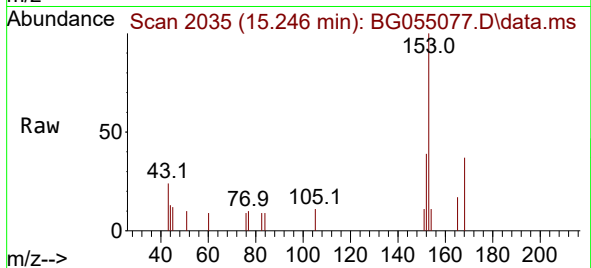
Acq: 5 Oct 2022 15:44

Instrument :

BNA_G

ClientSampleId :

SOIL-001-0930DL



Tgt Ion:165 Resp: 355

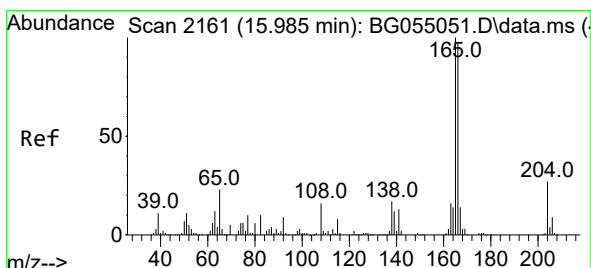
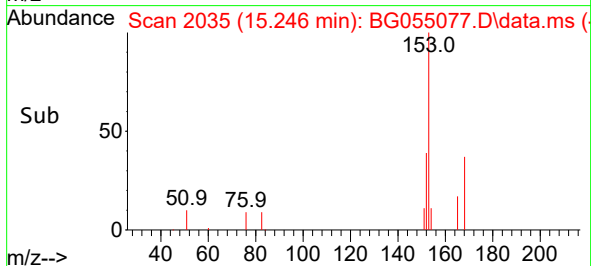
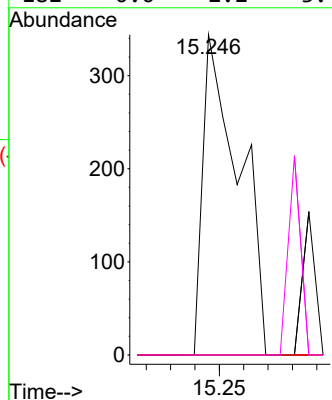
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.2#

89 0.0 69.0 103.6#

182 0.0 2.2 3.4#



#58

Fluorene

Concen: 13.818 ng

RT: 15.986 min Scan# 2161

Delta R.T. 0.001 min

Lab File: BG055077.D

Acq: 5 Oct 2022 15:44

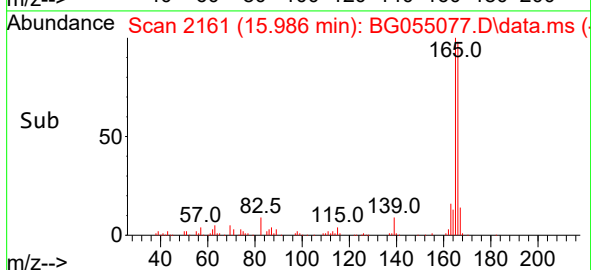
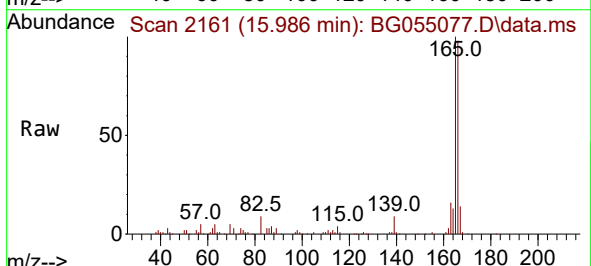
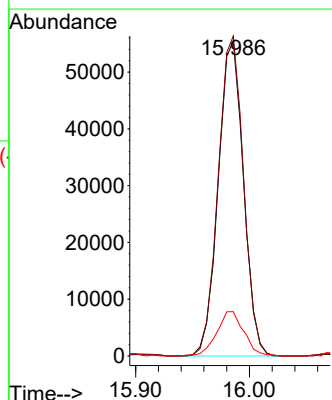
Tgt Ion:166 Resp: 85337

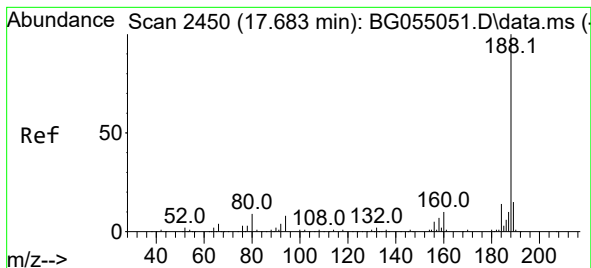
Ion Ratio Lower Upper

166 100

165 101.6 82.6 123.8

167 14.1 11.8 17.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.678 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG055077.D

Acq: 5 Oct 2022 15:44

Instrument :

BNA_G

ClientSampleId :

SOIL-001-0930DL

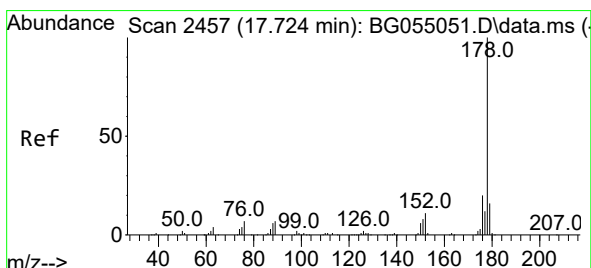
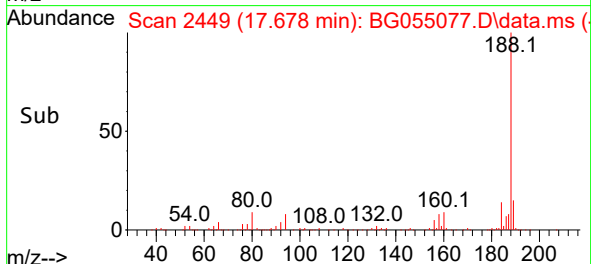
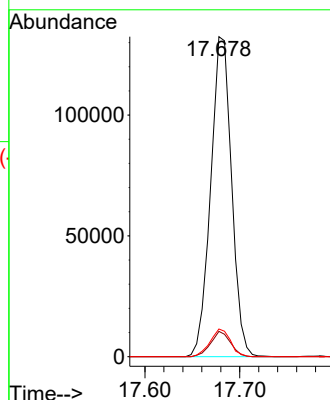
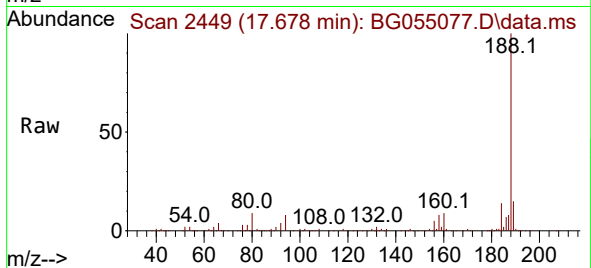
Tgt Ion:188 Resp: 202700

Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.2

80 8.7 7.2 10.8



#71

Phenanthrene

Concen: 35.942 ng

RT: 17.725 min Scan# 2457

Delta R.T. 0.001 min

Lab File: BG055077.D

Acq: 5 Oct 2022 15:44

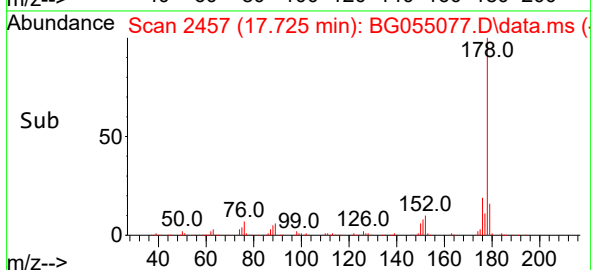
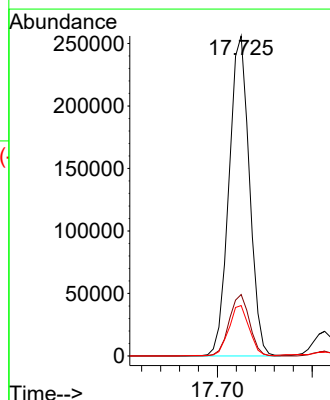
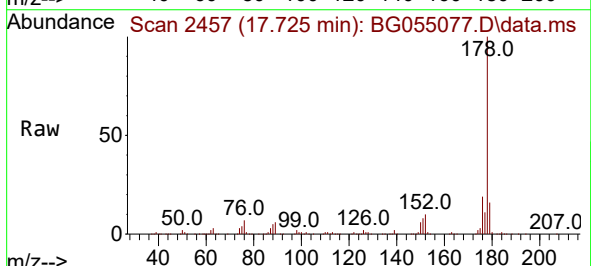
Tgt Ion:178 Resp: 382696

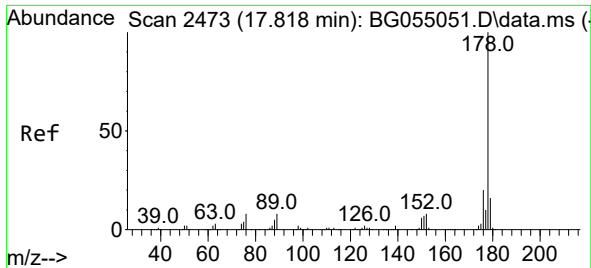
Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

179 15.7 13.2 19.8

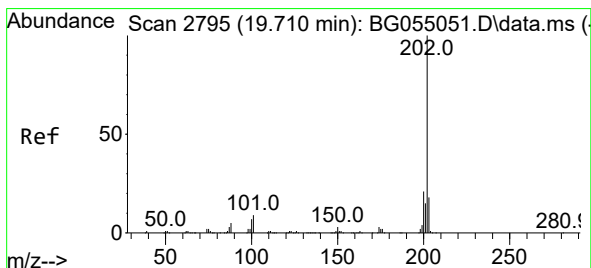
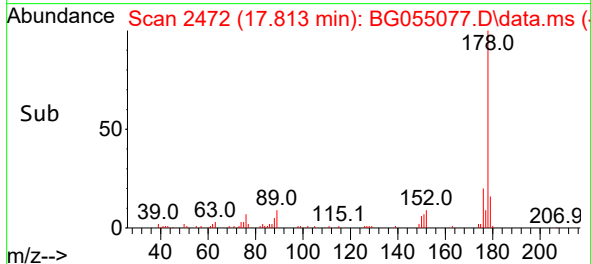
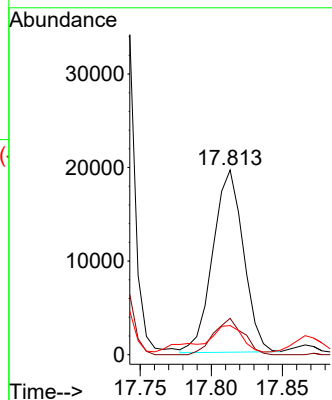
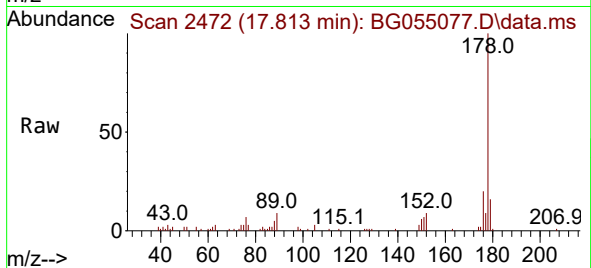




#72
 Anthracene
 Concen: 2.817 ng
 RT: 17.813 min Scan# 2473
 Delta R.T. -0.005 min
 Lab File: BG055077.D
 Acq: 5 Oct 2022 15:44

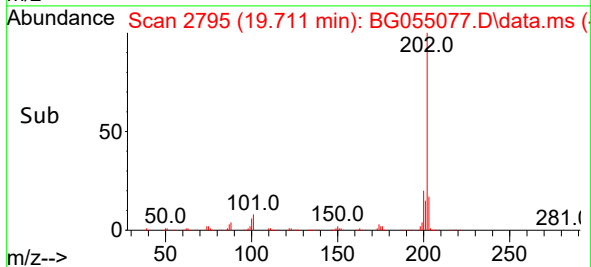
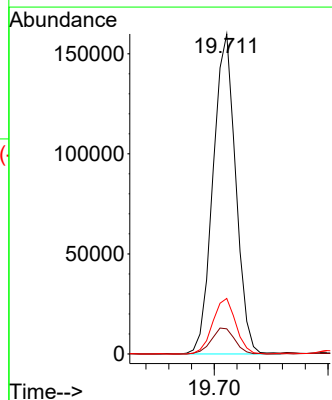
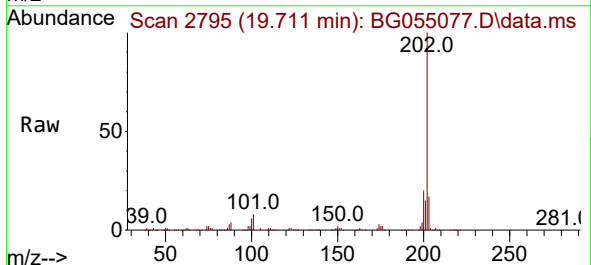
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001-0930DL

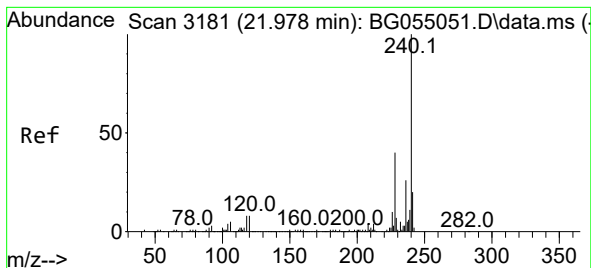
Tgt Ion:178 Resp: 29177
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.7 23.5
 179 15.7 12.5 18.7



#75
 Fluoranthene
 Concen: 16.668 ng
 RT: 19.711 min Scan# 2795
 Delta R.T. 0.001 min
 Lab File: BG055077.D
 Acq: 5 Oct 2022 15:44

Tgt Ion:202 Resp: 221407
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 28.9
 203 17.3 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.973 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG055077.D

Acq: 5 Oct 2022 15:44

Instrument :

BNA_G

ClientSampleId :

SOIL-001-0930DL

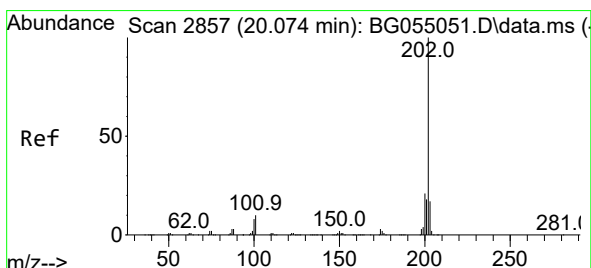
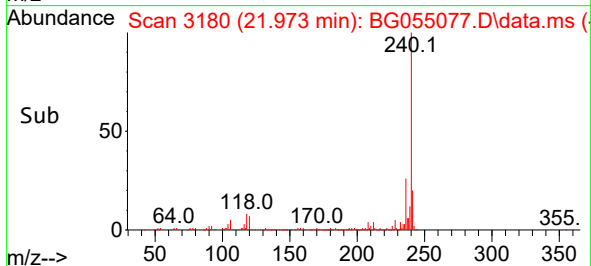
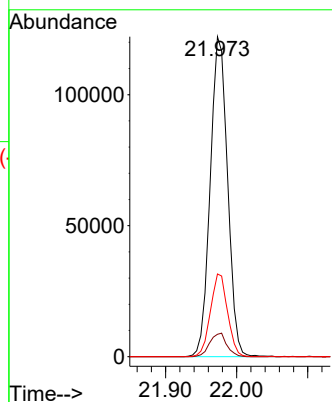
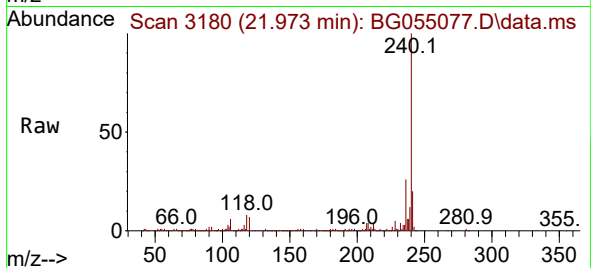
Tgt Ion:240 Resp: 206980

Ion Ratio Lower Upper

240 100

120 7.0 6.2 9.4

236 25.9 20.6 30.8



#78

Pyrene

Concen: 10.026 ng

RT: 20.069 min Scan# 2856

Delta R.T. -0.005 min

Lab File: BG055077.D

Acq: 5 Oct 2022 15:44

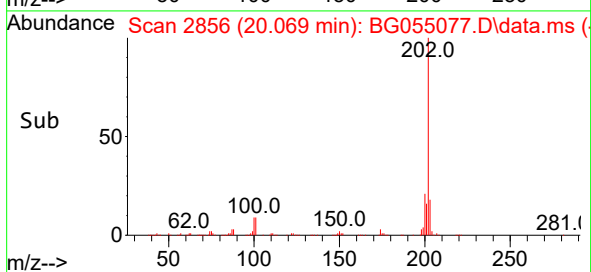
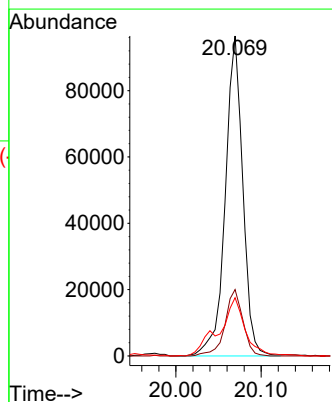
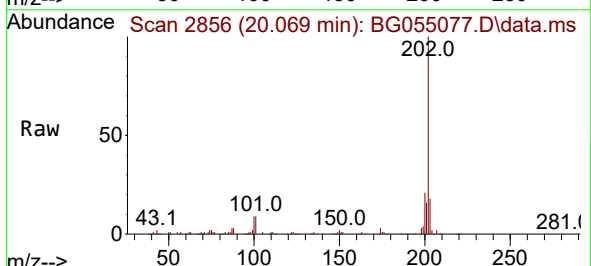
Tgt Ion:202 Resp: 137988

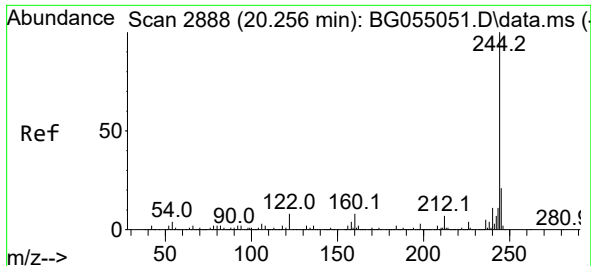
Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

203 18.2 14.0 21.0

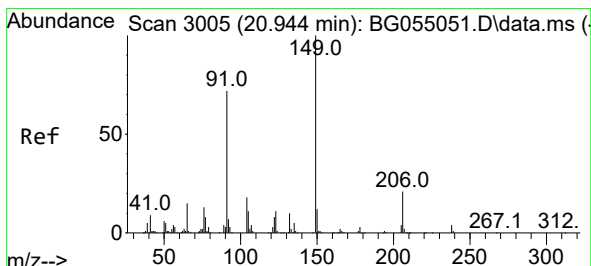
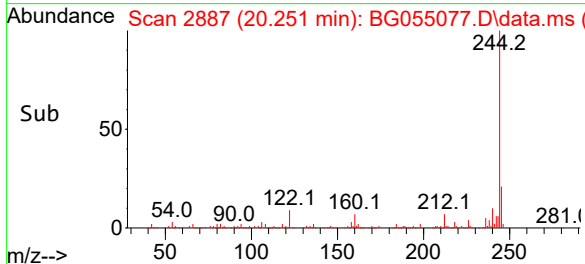
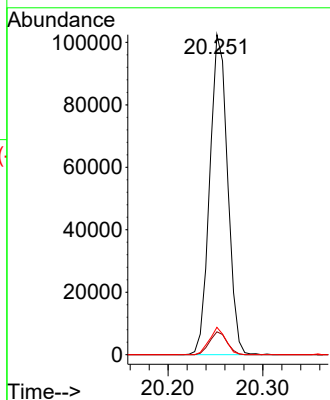
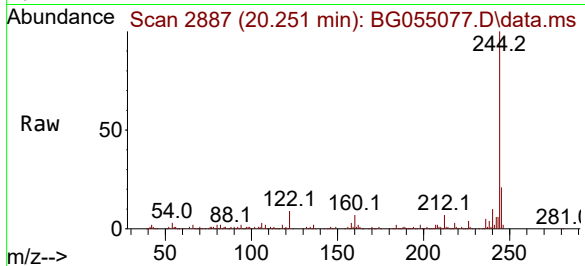




#79
 Terphenyl-d14
 Concen: 13.066 ng
 RT: 20.251 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG055077.D
 Acq: 5 Oct 2022 15:44

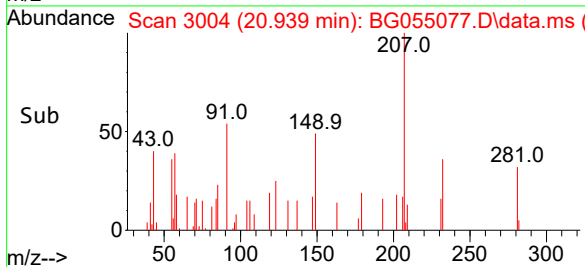
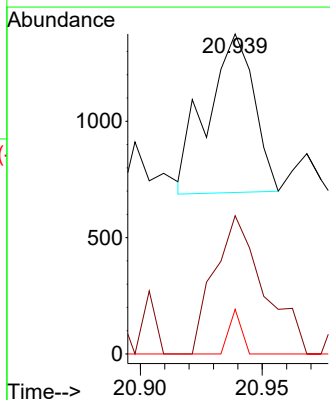
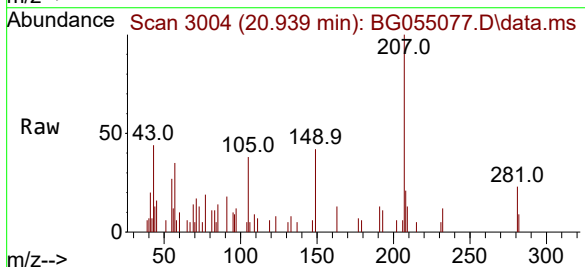
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001-0930DL

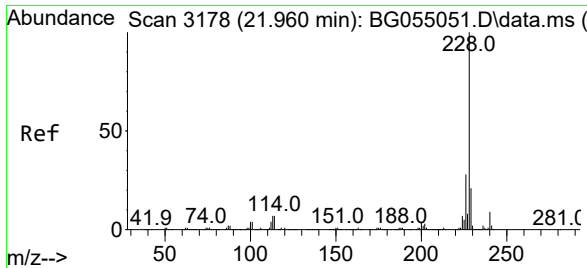
Tgt Ion:244 Resp: 133799
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.5 6.6 10.0



#80
 Butylbenzylphthalate
 Concen: 5.028 ng
 RT: 20.939 min Scan# 3004
 Delta R.T. -0.005 min
 Lab File: BG055077.D
 Acq: 5 Oct 2022 15:44

Tgt Ion:149 Resp: 908
 Ion Ratio Lower Upper
 149 100
 91 43.2 57.8 86.8#
 206 14.0 16.9 25.3#

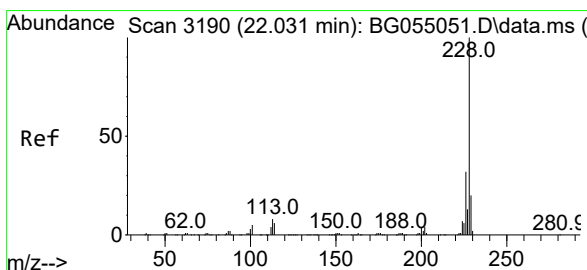
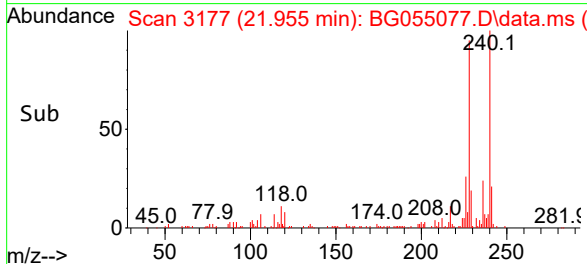
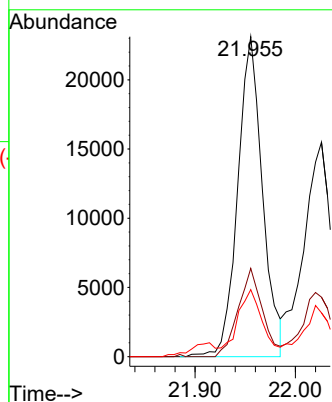
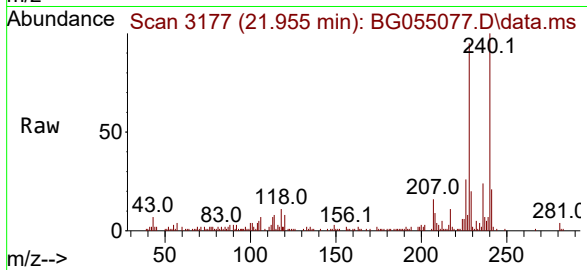




#81
Benzo(a)anthracene
Concen: 3.021 ng
RT: 21.955 min Scan# 3177
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

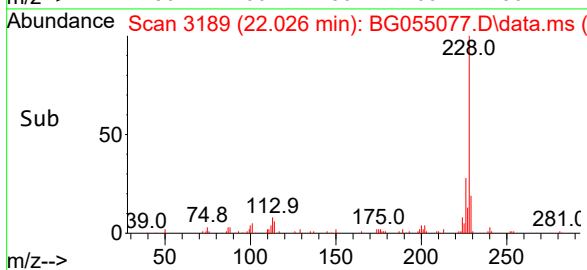
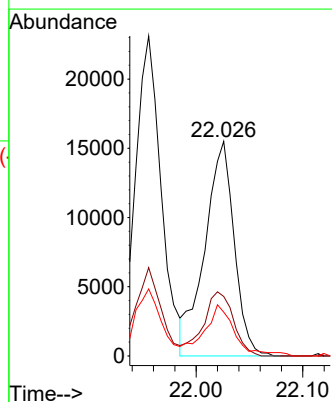
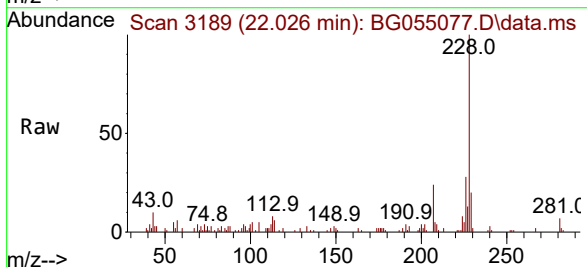
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

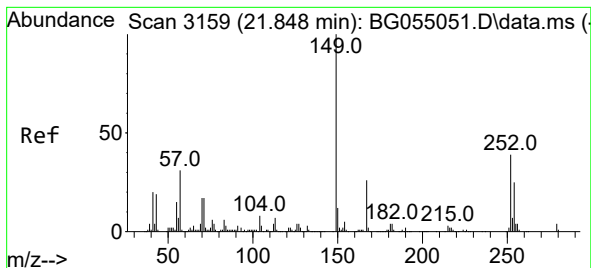
Tgt Ion:228 Resp: 39724
Ion Ratio Lower Upper
228 100
226 27.6 22.4 33.6
229 21.0 16.7 25.1



#83
Chrysene
Concen: 2.348 ng
RT: 22.026 min Scan# 3189
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:228 Resp: 29751
Ion Ratio Lower Upper
228 100
226 27.8 25.3 37.9
229 20.5 16.1 24.1

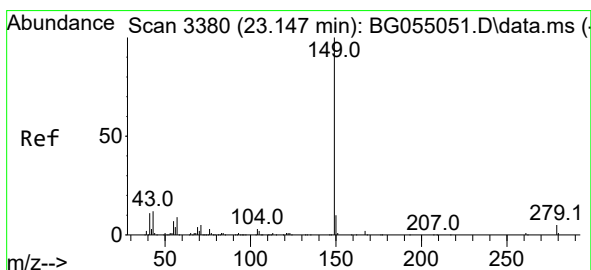
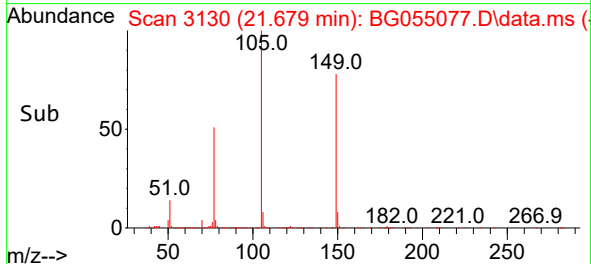
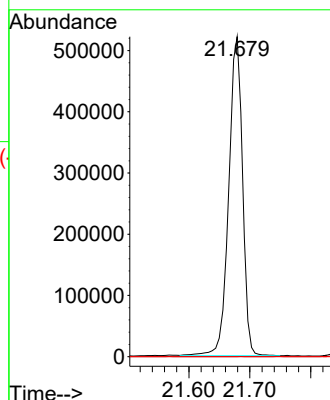
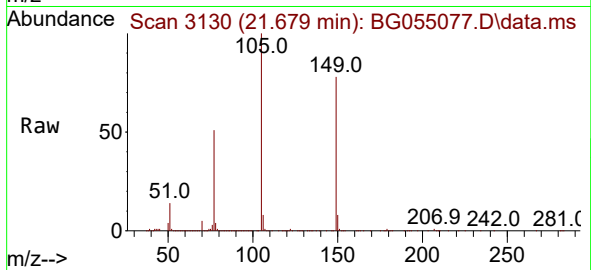




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 120.655 ng
 RT: 21.679 min Scan# 3159
 Delta R.T. -0.169 min
 Lab File: BG055077.D
 Acq: 5 Oct 2022 15:44

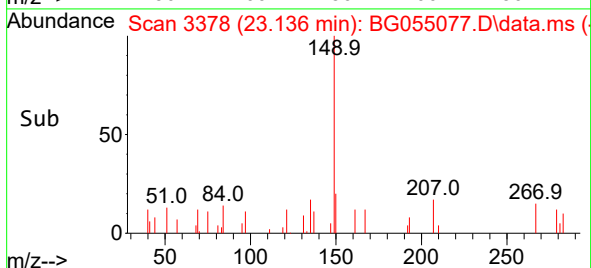
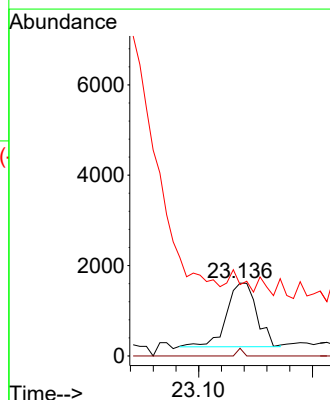
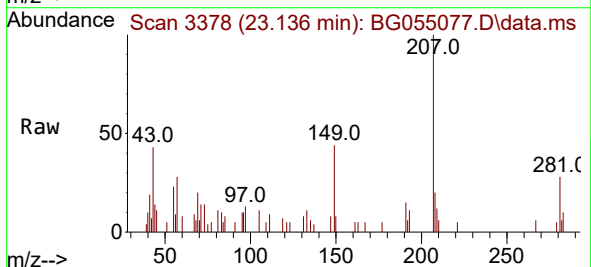
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001-0930DL

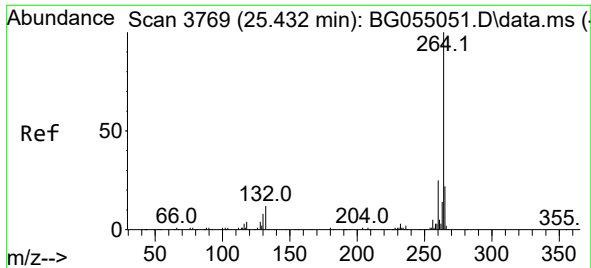
Tgt Ion:149 Resp: 821150
 Ion Ratio Lower Upper
 149 100
 167 0.0 21.0 31.4#
 279 0.0 3.4 5.2#



#85
 Di-n-octyl phthalate
 Concen: 4.558 ng
 RT: 23.136 min Scan# 3378
 Delta R.T. -0.011 min
 Lab File: BG055077.D
 Acq: 5 Oct 2022 15:44

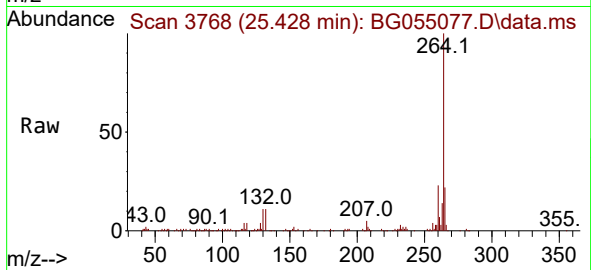
Tgt Ion:149 Resp: 2582
 Ion Ratio Lower Upper
 149 100
 167 2.3 1.3 1.9#
 43 0.0 10.2 15.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.428 min Scan# 31
 Delta R.T. -0.005 min
 Lab File: BG055077.D
 Acq: 5 Oct 2022 15:44

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001-0930DL



Tgt Ion:264 Resp: 220897
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.7 29.5
 265 22.2 17.8 26.6

