

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057507.D
 Acq On : 23 May 2023 00:09
 Operator : CG/JU
 Sample : 02864-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-BIN

Quant Time: May 23 04:09:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

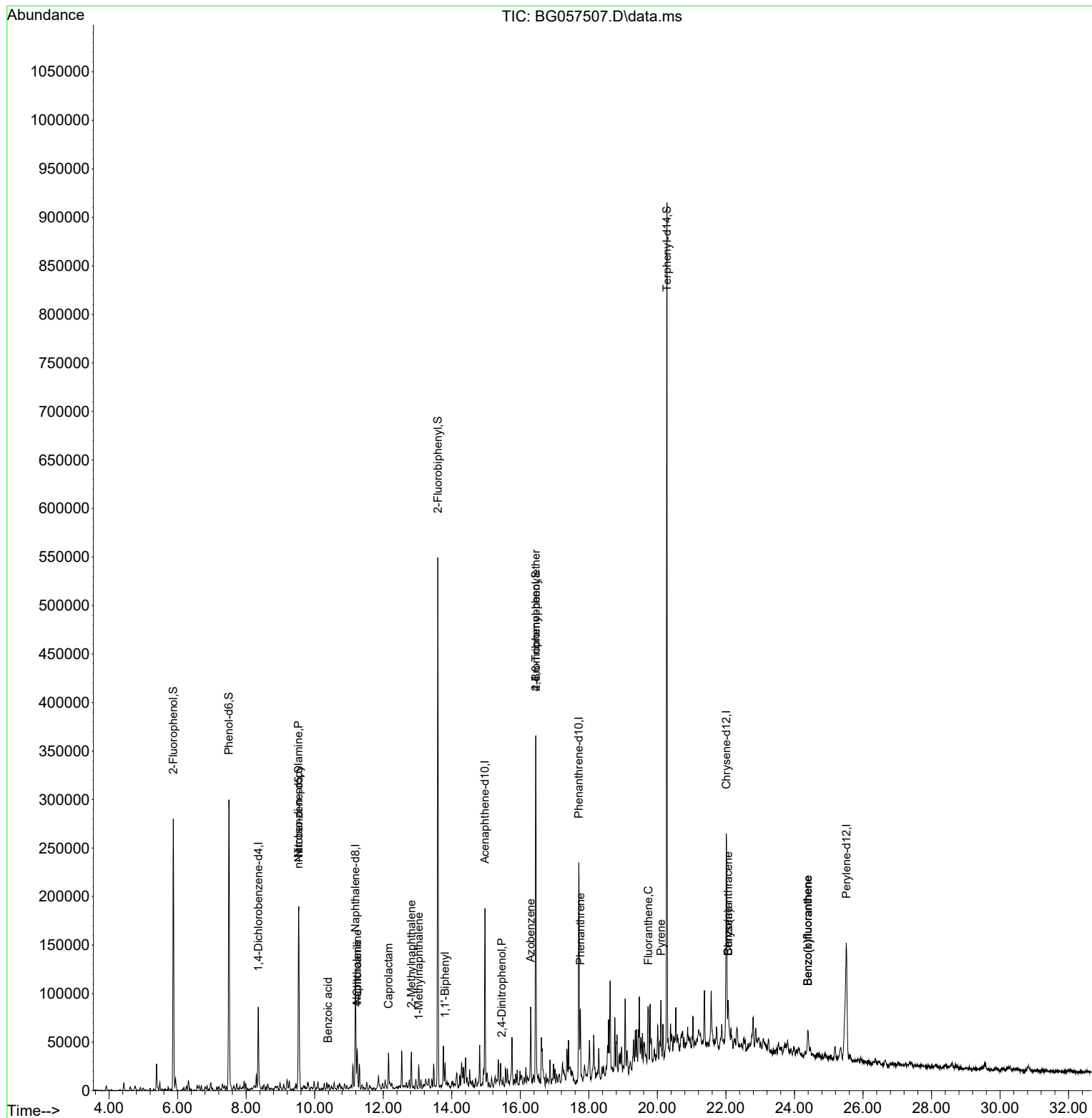
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	24261	20.000	ng	0.00
21) Naphthalene-d8	11.191	136	92789	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	64437	20.000	ng	0.00
64) Phenanthrene-d10	17.706	188	143402	20.000	ng	0.00
76) Chrysene-d12	22.012	240	134297	20.000	ng	0.00
86) Perylene-d12	25.513	264	146651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	122286	86.222	ng	0.00
7) Phenol-d6	7.496	99	178228	82.755	ng	0.00
23) Nitrobenzene-d5	9.535	82	123768	55.983	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	74796	81.807	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	294692	61.594	ng	0.00
79) Terphenyl-d14	20.279	244	455236	55.318	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.485	77	2567	Below Cal		95
19) n-Nitroso-di-n-propyla...	9.529	70	18451	11.235 ng	#	79
31) Naphthalene	11.238	128	31896	6.430 ng		96
32) Benzoic acid	10.387	122	57	4.776 ng	#	1
33) 4-Chloroaniline	11.244	127	4528	2.033 ng	#	46
35) Caprolactam	12.155	113	1095	2.021 ng	#	52
37) 2-Methylnaphthalene	12.824	142	18152	4.654 ng		98
38) 1-Methylnaphthalene	13.036	142	11365	3.092 ng	#	91
46) 1,1'-Biphenyl	13.805	154	11488	2.403 ng		95
54) 2,4-Dinitrophenol	15.462	184	59	4.999 ng	#	18
63) Azobenzene	16.302	77	19613	3.780 ng	#	1
67) 4-Bromophenyl-phenylether	16.455	248	5162	2.949 ng	#	1
71) Phenanthrene	17.753	178	51950	7.070 ng		99
75) Fluoranthene	19.739	202	34065	3.727 ng		94
78) Pyrene	20.103	202	28321	2.902 ng	#	94
81) Benzo(a)anthracene	22.065	228	42132	4.403 ng		95
83) Chrysene	22.065	228	42132	4.680 ng		96
88) Benzo(b)fluoranthene	24.391	252	23373	2.438 ng	#	91
89) Benzo(k)fluoranthene	24.391	252	23373	2.399 ng	#	92

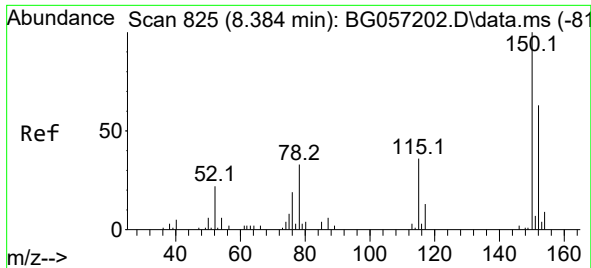
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057507.D
Acq On : 23 May 2023 00:09
Operator : CG/JU
Sample : 02864-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

Quant Time: May 23 04:09:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
Response via : Initial Calibration

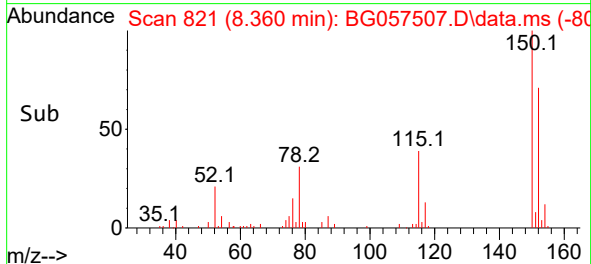
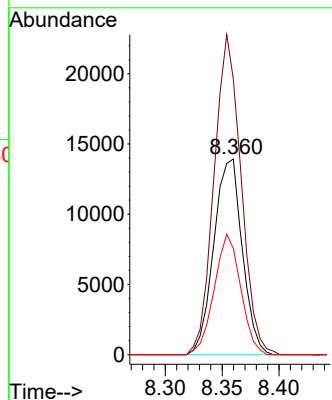
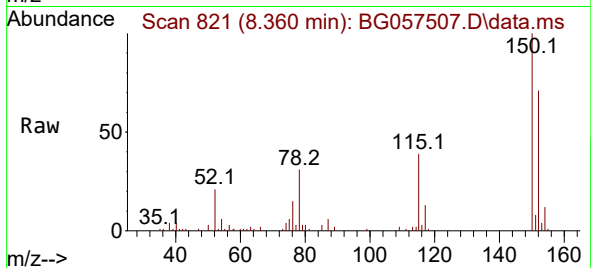




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.360 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

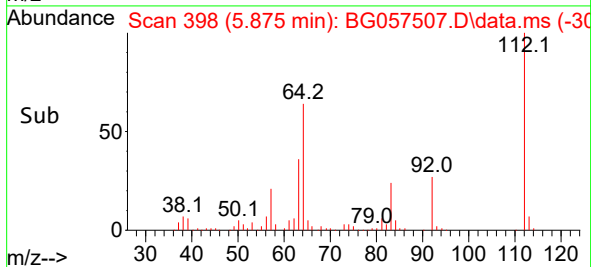
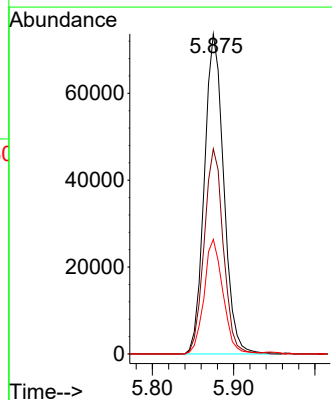
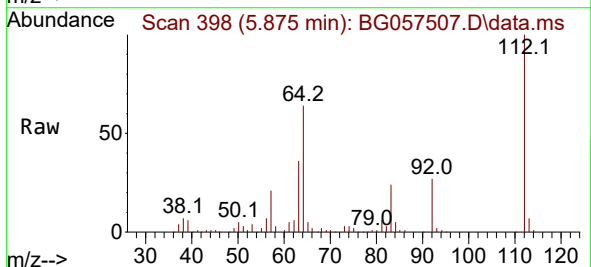
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

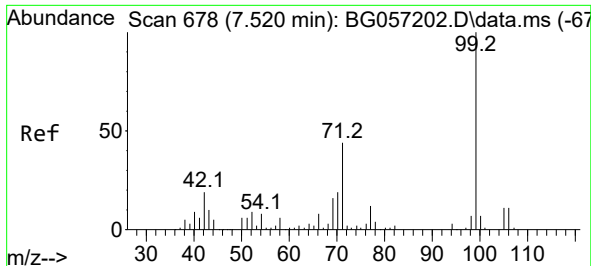
Tgt Ion:152 Resp: 24261
Ion Ratio Lower Upper
152 100
150 140.7 126.2 189.4
115 54.3 45.0 67.4



#5
2-Fluorophenol
Concen: 86.222 ng
RT: 5.875 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion:112 Resp: 122286
Ion Ratio Lower Upper
112 100
64 64.1 49.4 74.2
63 35.8 31.6 47.4

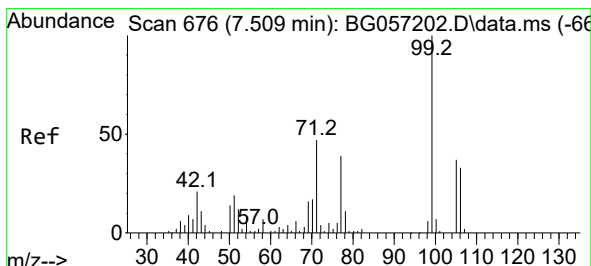
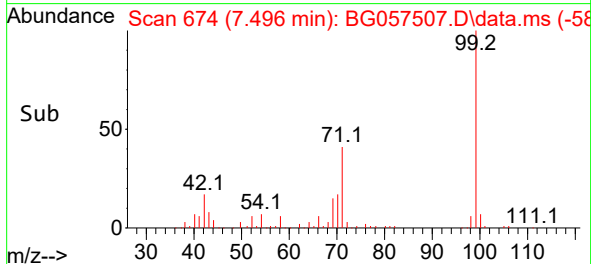
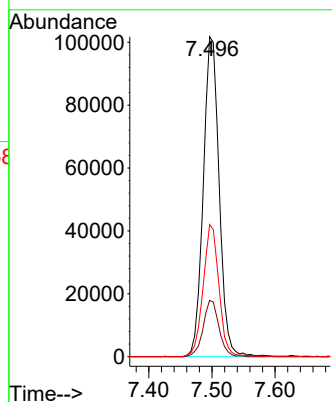
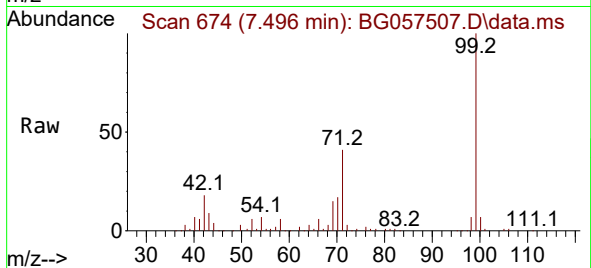




#7
Phenol-d6
Concen: 82.755 ng
RT: 7.496 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

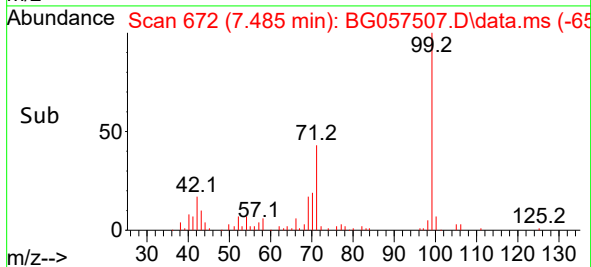
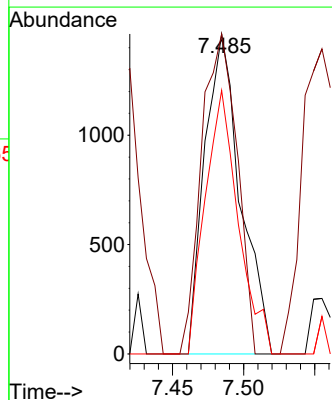
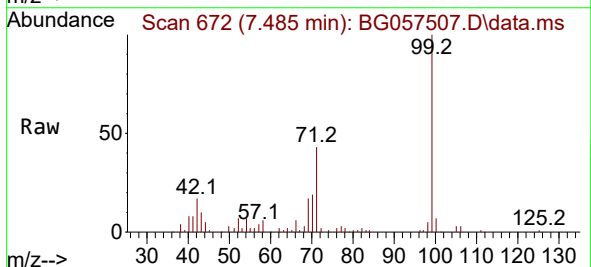
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

Tgt Ion: 99 Resp: 178228
Ion Ratio Lower Upper
99 100
42 17.6 15.1 22.7
71 41.3 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.485 min Scan# 672
Delta R.T. -0.002 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion: 77 Resp: 2567
Ion Ratio Lower Upper
77 100
105 100.1 74.6 114.6
106 82.4 66.3 106.3

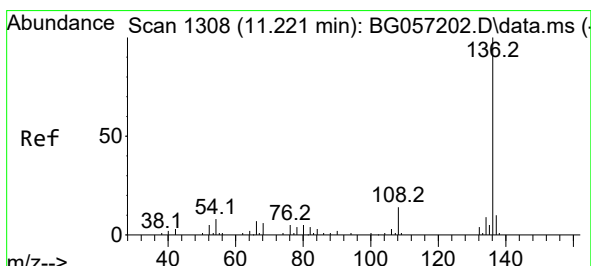
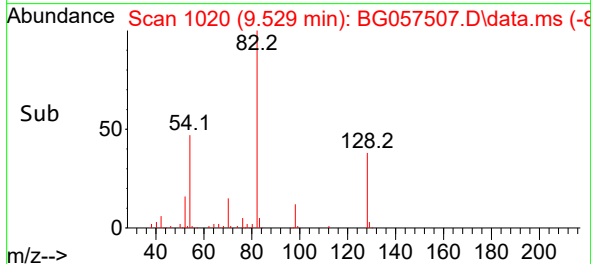
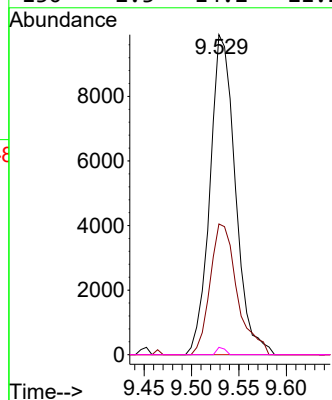
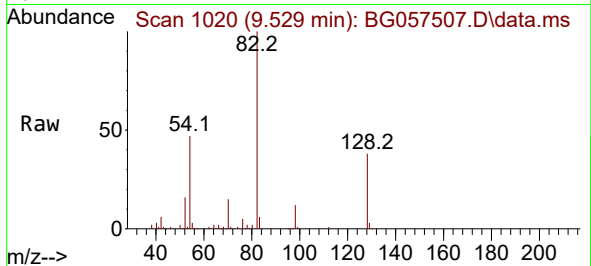




#19
n-Nitroso-di-n-propylamine
Concen: 11.235 ng
RT: 9.529 min Scan# 1020
Delta R.T. 0.368 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

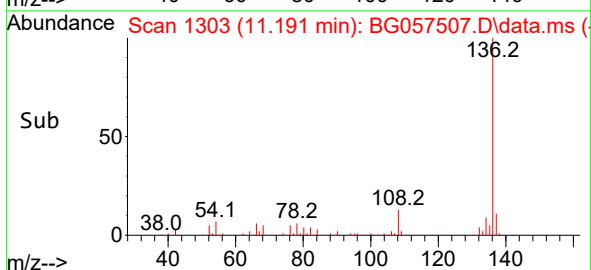
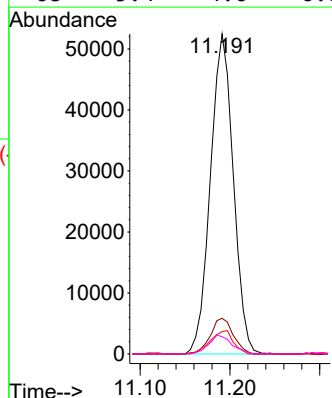
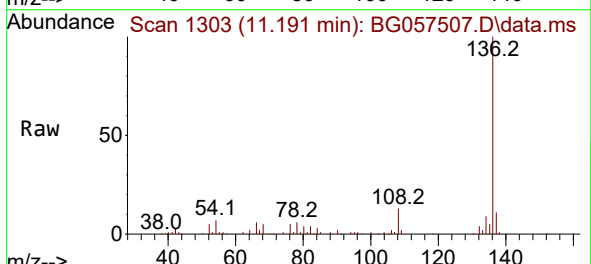
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

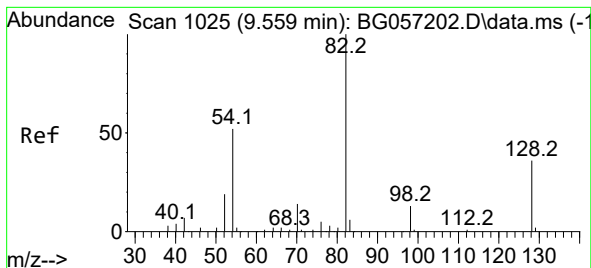
Tgt Ion: 70 Resp: 18451
Ion Ratio Lower Upper
70 100
42 40.8 41.8 62.8#
101 0.0 6.8 10.2#
130 2.3 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.191 min Scan# 1303
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion:136 Resp: 92789
Ion Ratio Lower Upper
136 100
137 11.2 8.3 12.5
54 7.0 6.7 10.1
68 5.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 55.983 ng

RT: 9.535 min Scan# 1021

Delta R.T. -0.002 min

Lab File: BG057507.D

Acq: 23 May 2023 00:09

Instrument :

BNA_G

ClientSampleId :

SOIL-BIN

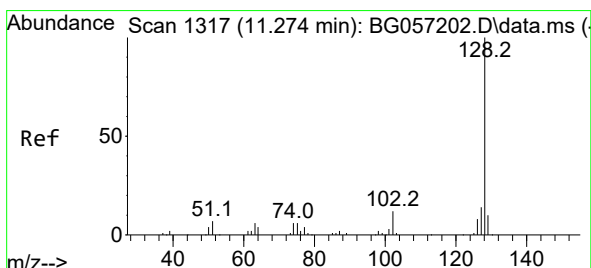
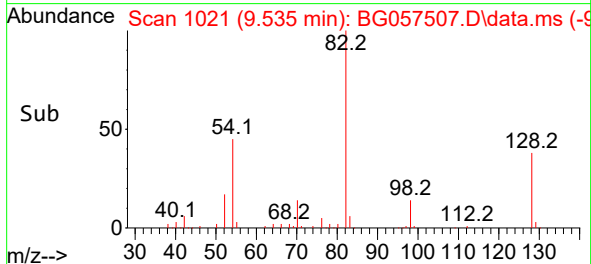
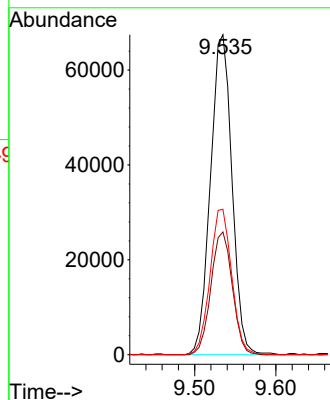
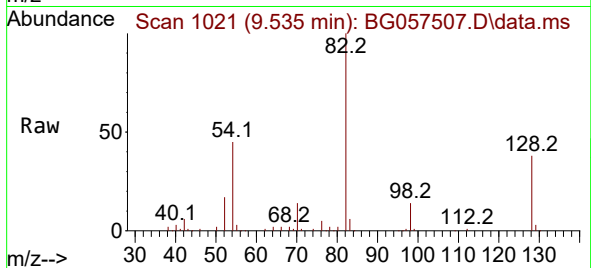
Tgt Ion: 82 Resp: 123768

Ion Ratio Lower Upper

82 100

128 38.3 29.0 43.4

54 45.5 41.4 62.0



#31

Naphthalene

Concen: 6.430 ng

RT: 11.238 min Scan# 1311

Delta R.T. -0.008 min

Lab File: BG057507.D

Acq: 23 May 2023 00:09

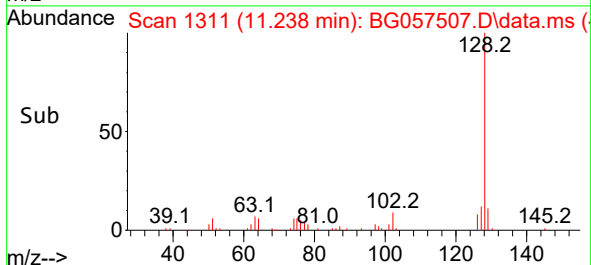
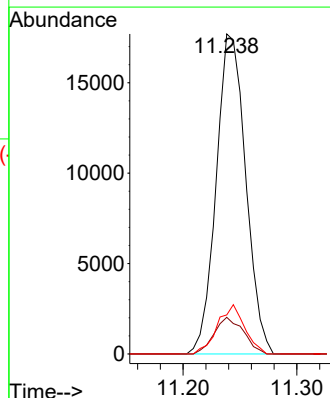
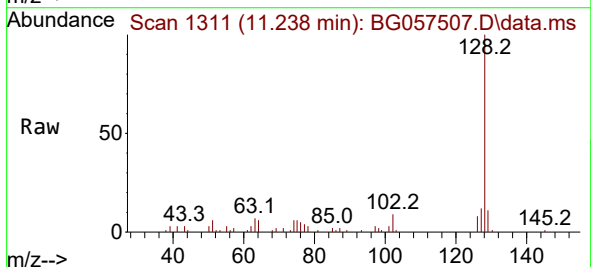
Tgt Ion: 128 Resp: 31896

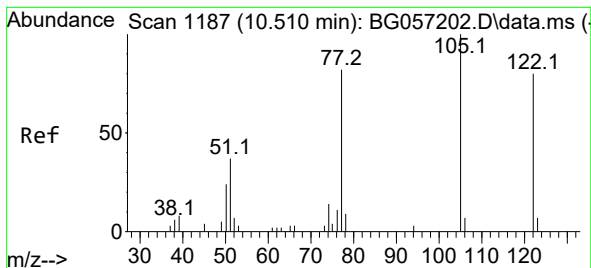
Ion Ratio Lower Upper

128 100

129 11.4 8.3 12.5

127 12.2 11.1 16.7





#32

Benzoic acid

Concen: 4.776 ng

RT: 10.387 min Scan# 1187

Delta R.T. -0.102 min

Lab File: BG057507.D

Acq: 23 May 2023 00:09

Instrument :

BNA_G

ClientSampleId :

SOIL-BIN

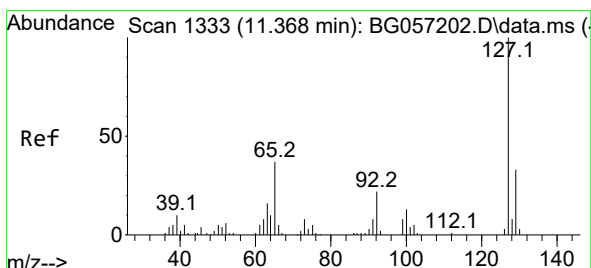
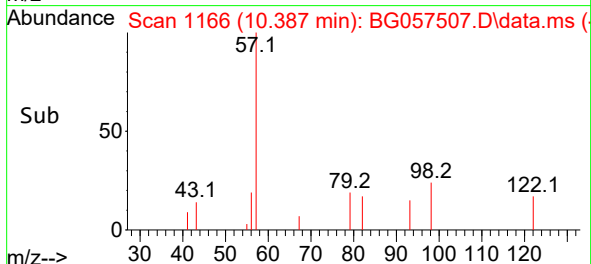
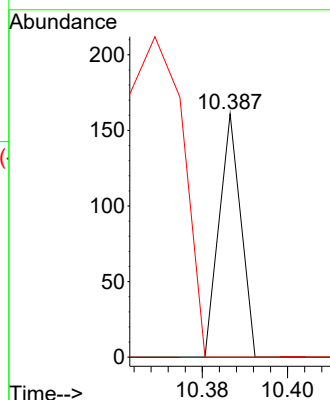
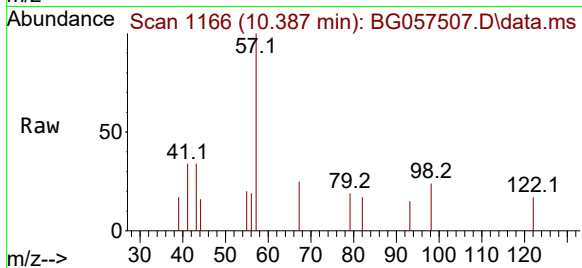
Tgt Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 105.2 145.2#

77 0.0 83.1 123.1#



#33

4-Chloroaniline

Concen: 2.033 ng

RT: 11.244 min Scan# 1312

Delta R.T. -0.108 min

Lab File: BG057507.D

Acq: 23 May 2023 00:09

Tgt Ion:127 Resp: 4528

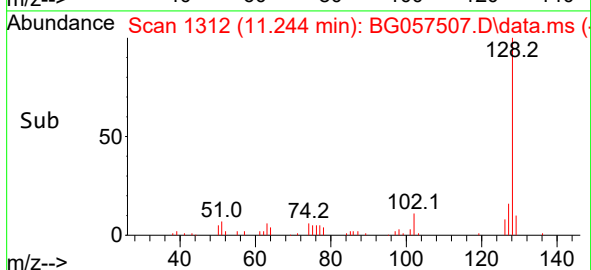
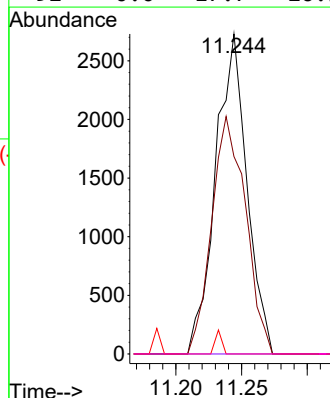
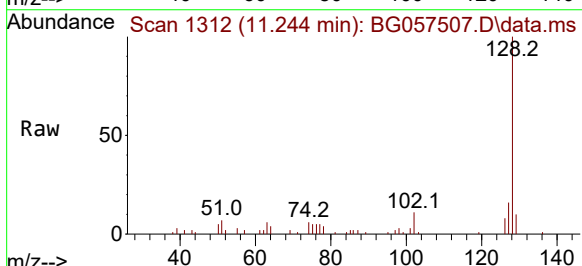
Ion Ratio Lower Upper

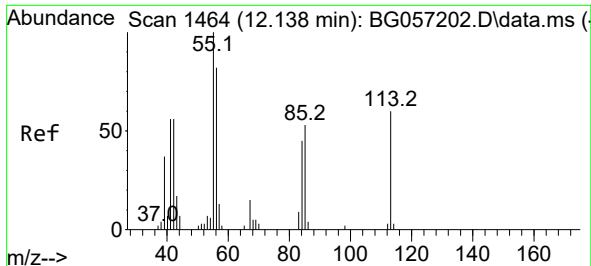
127 100

129 61.7 26.7 40.1#

65 0.0 29.7 44.5#

92 0.0 17.7 26.5#

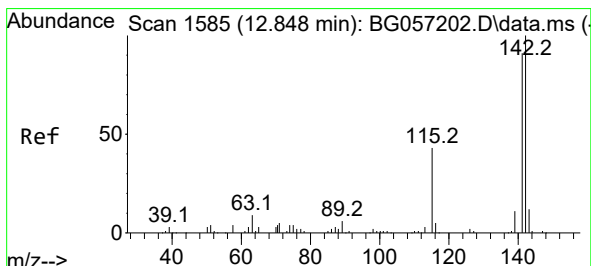
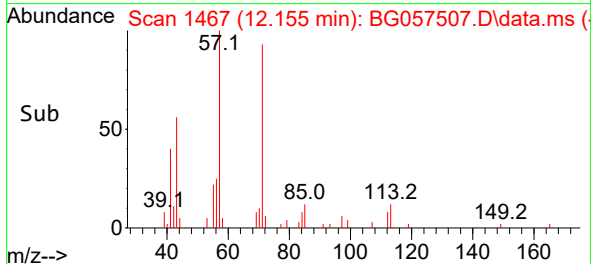
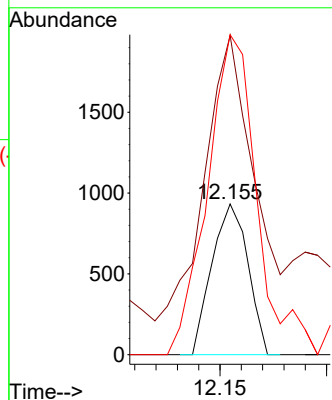
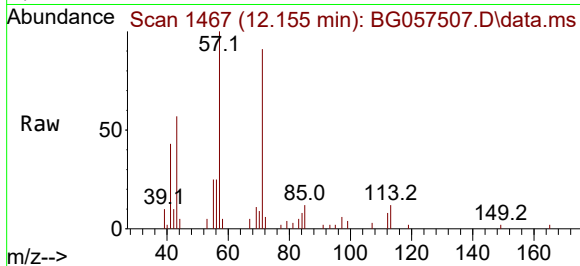




#35
Caprolactam
Concen: 2.021 ng
RT: 12.155 min Scan# 1467
Delta R.T. 0.033 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

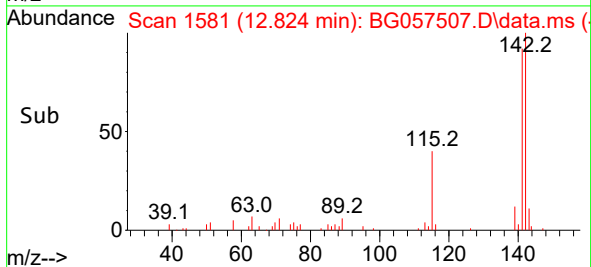
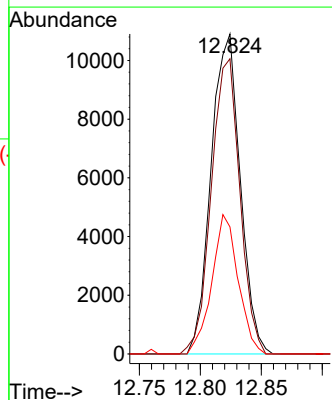
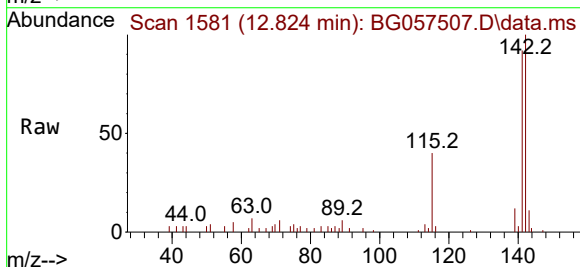
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

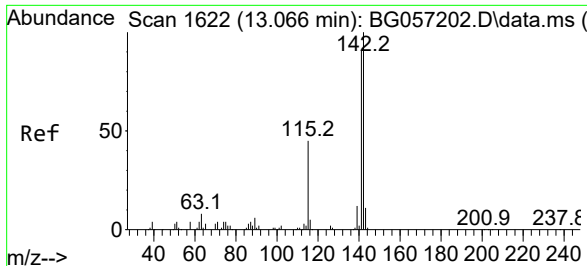
Tgt Ion:113 Resp: 1095
Ion Ratio Lower Upper
113 100
55 211.7 145.5 185.5#
56 212.2 115.9 155.9#



#37
2-Methylnaphthalene
Concen: 4.654 ng
RT: 12.824 min Scan# 1581
Delta R.T. -0.002 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion:142 Resp: 18152
Ion Ratio Lower Upper
142 100
141 92.3 73.1 109.7
115 39.7 34.6 52.0

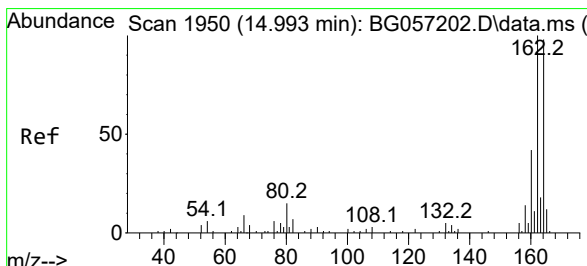
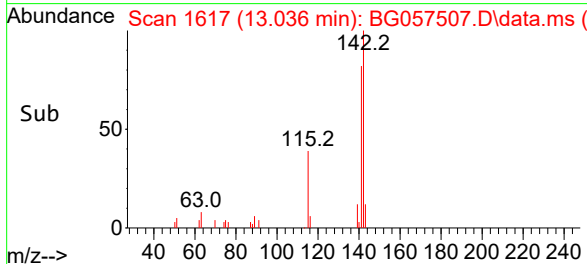
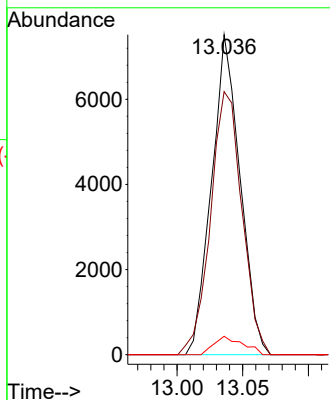
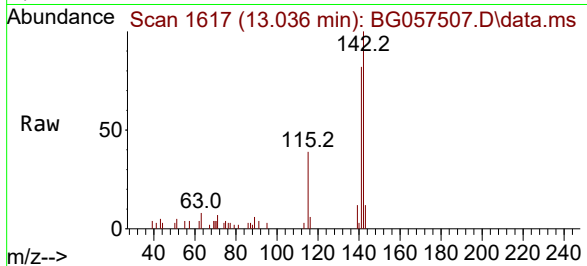




#38
1-Methylnaphthalene
Concen: 3.092 ng
RT: 13.036 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

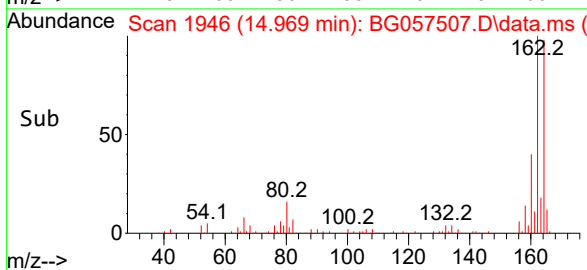
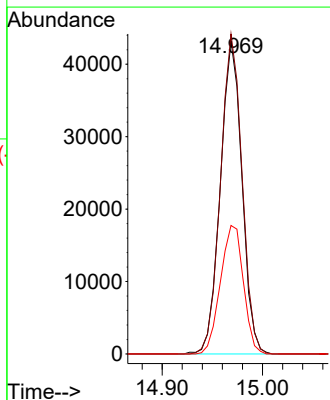
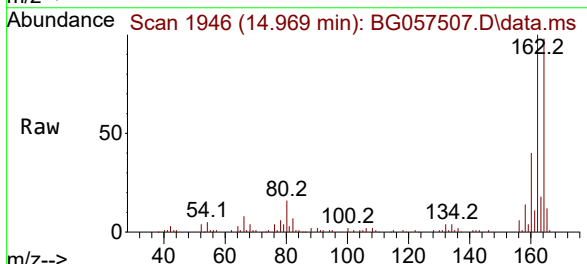
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

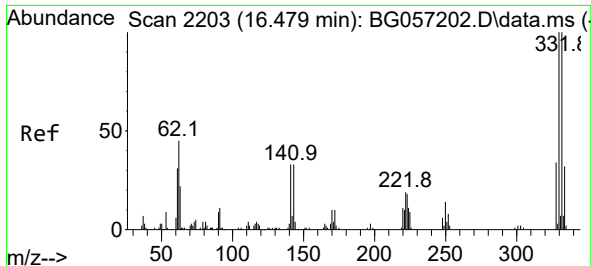
Tgt Ion:142 Resp: 11365
Ion Ratio Lower Upper
142 100
141 82.2 72.5 108.7
116 5.8 3.7 5.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1946
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion:164 Resp: 64437
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 41.0 34.6 52.0

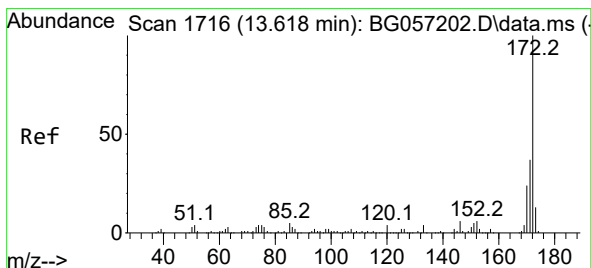
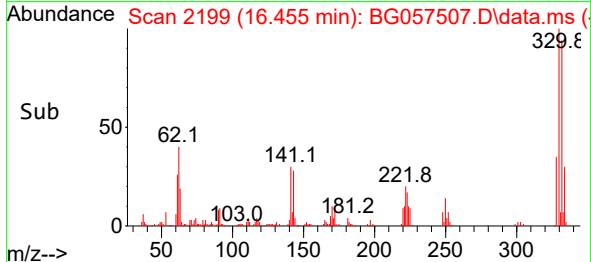
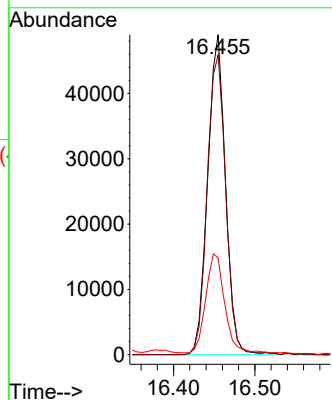
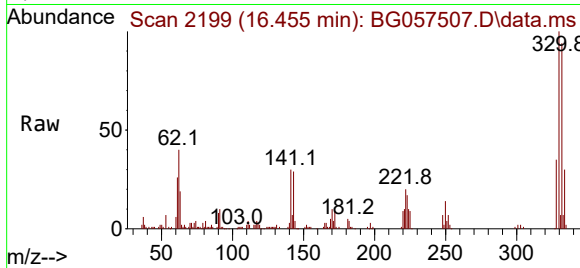




#42
2,4,6-Tribromophenol
Concen: 81.807 ng
RT: 16.455 min Scan# 2199
Delta R.T. -0.002 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

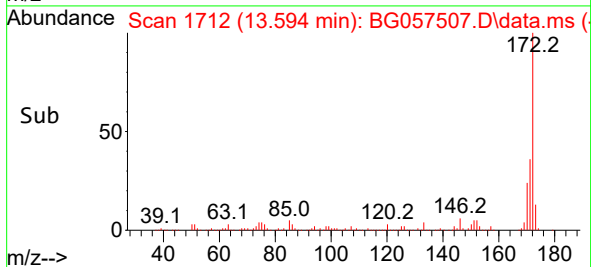
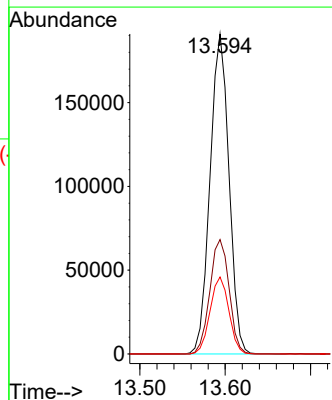
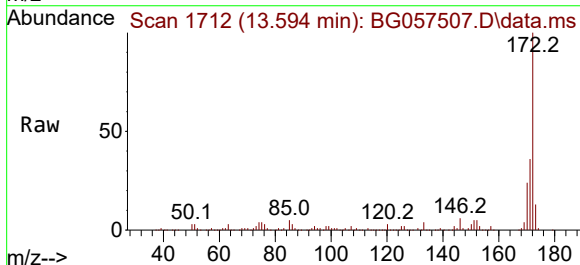
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

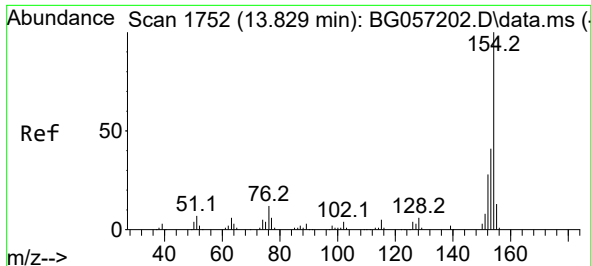
Tgt Ion:330 Resp: 74796
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.2
141 35.9 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 61.594 ng
RT: 13.594 min Scan# 1712
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion:172 Resp: 294692
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 24.0 19.0 28.6

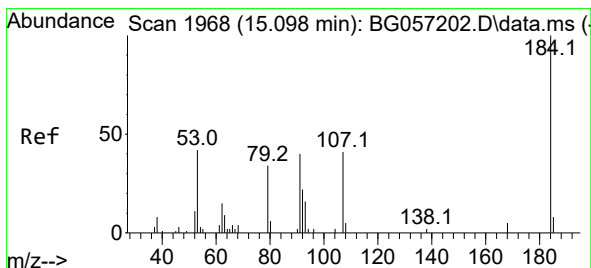
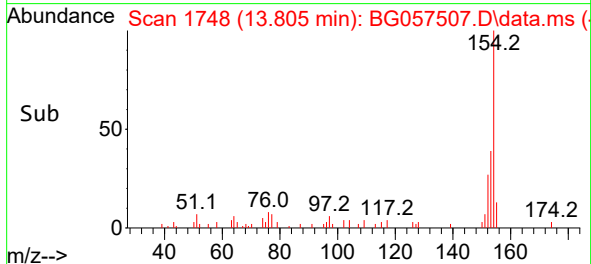
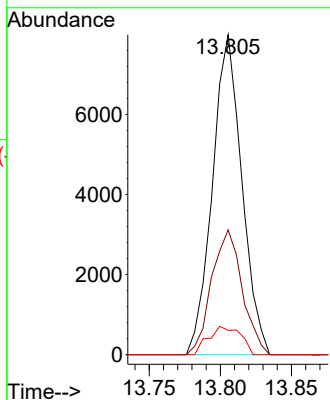
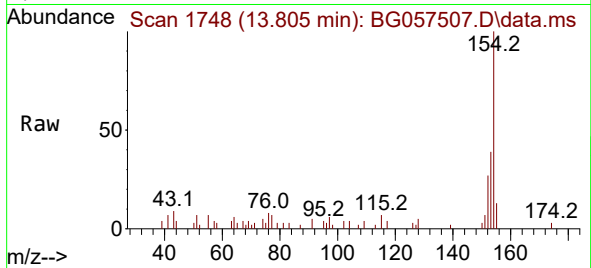




#46
1,1'-Biphenyl
Concen: 2.403 ng
RT: 13.805 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

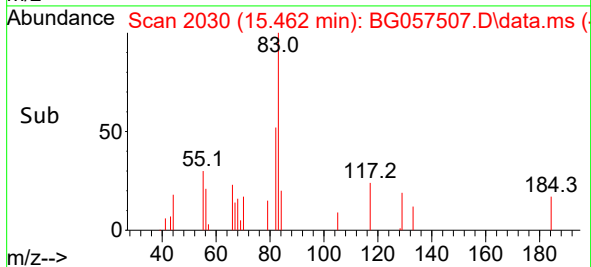
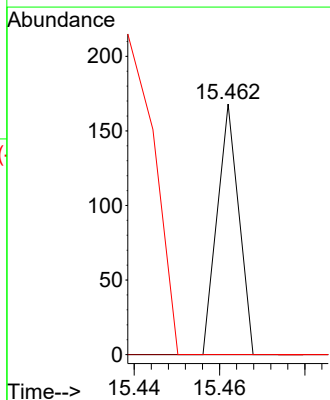
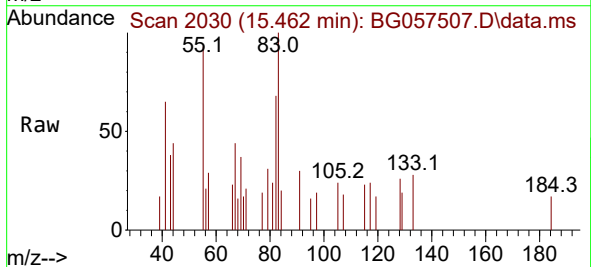
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

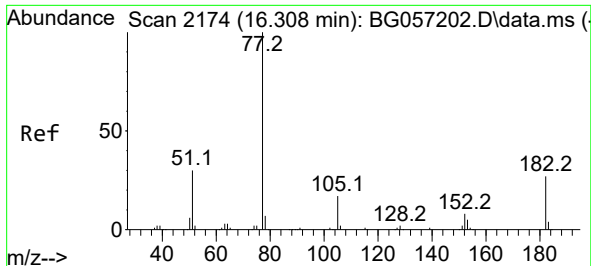
Tgt Ion:154 Resp: 11488
Ion Ratio Lower Upper
154 100
153 39.0 20.9 60.9
76 7.6 0.0 31.7



#54
2,4-Dinitrophenol
Concen: 4.999 ng
RT: 15.462 min Scan# 2030
Delta R.T. 0.374 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 48.2 72.4#
154 0.0 55.4 83.2#

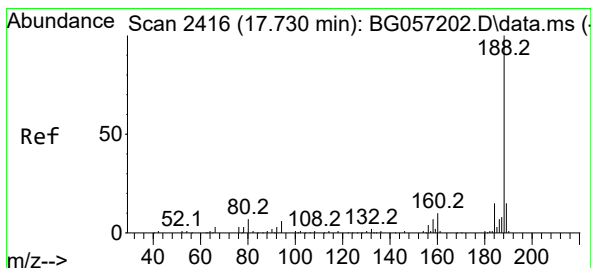
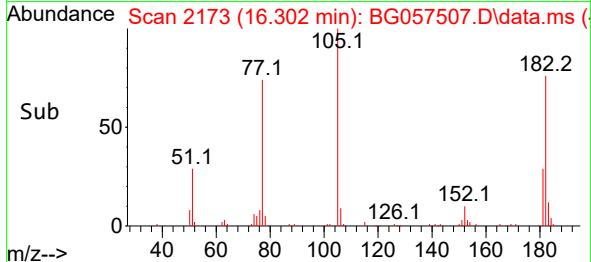
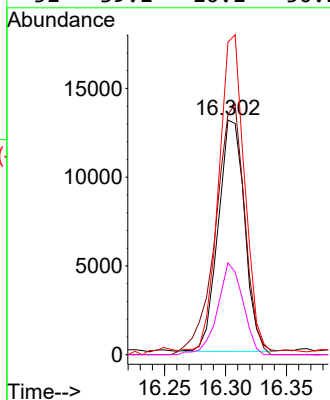
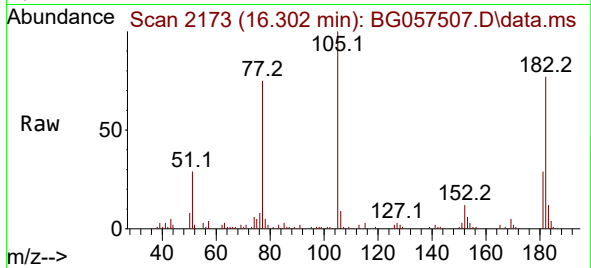




#63
Azobenzene
Concen: 3.780 ng
RT: 16.302 min Scan# 2173
Delta R.T. 0.016 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

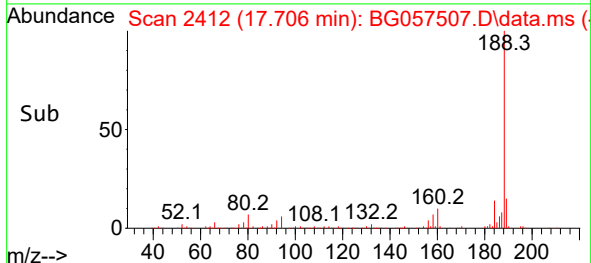
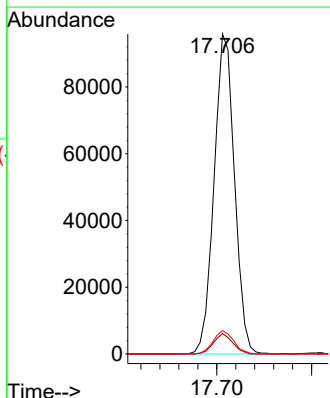
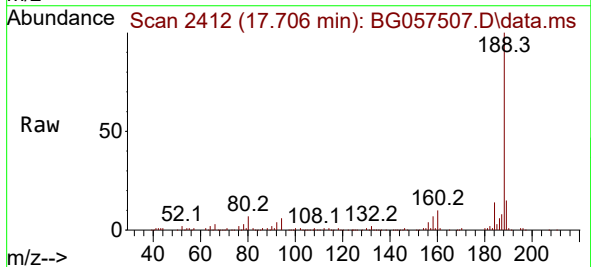
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

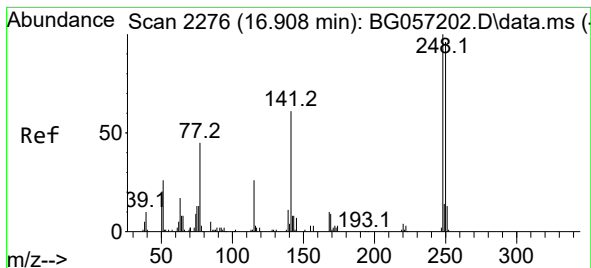
Tgt Ion: 77 Resp: 19613
Ion Ratio Lower Upper
77 100
182 102.4 7.4 47.4#
105 133.2 0.0 37.2#
51 39.1 10.1 50.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.706 min Scan# 2412
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion: 188 Resp: 143402
Ion Ratio Lower Upper
188 100
94 6.4 5.1 7.7
80 7.3 5.7 8.5

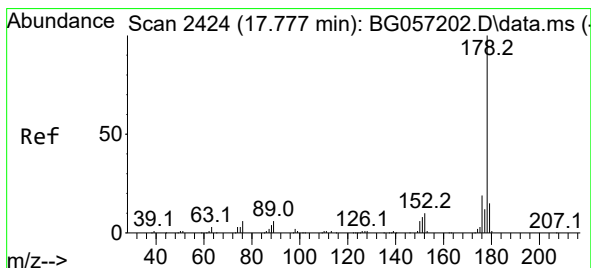
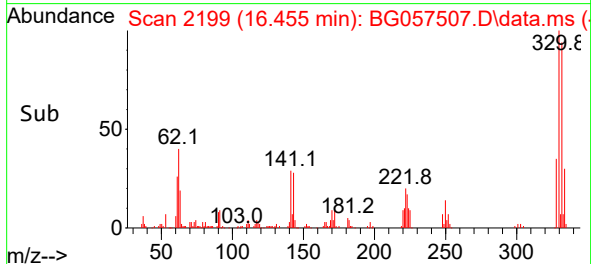
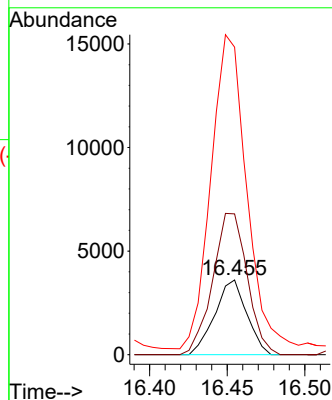
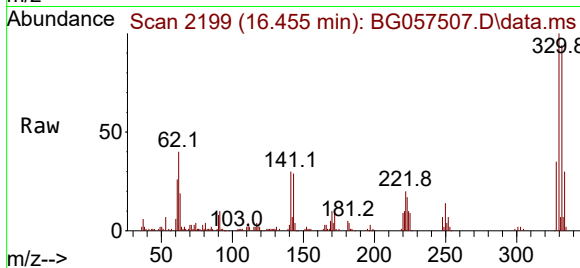




#67
4-Bromophenyl-phenylether
Concen: 2.949 ng
RT: 16.455 min Scan# 2199
Delta R.T. -0.431 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

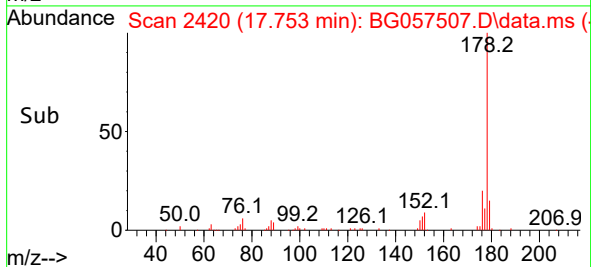
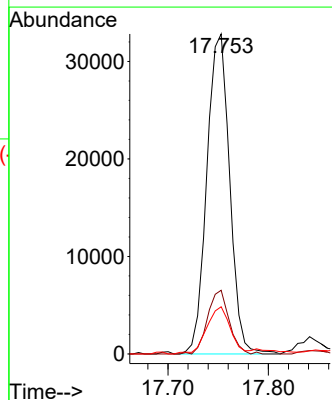
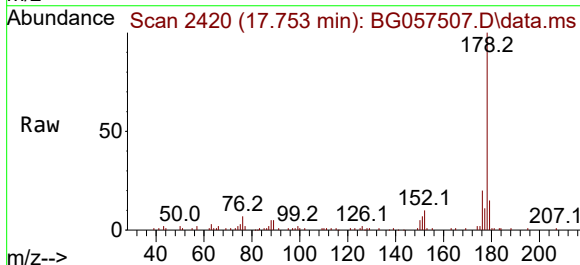
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

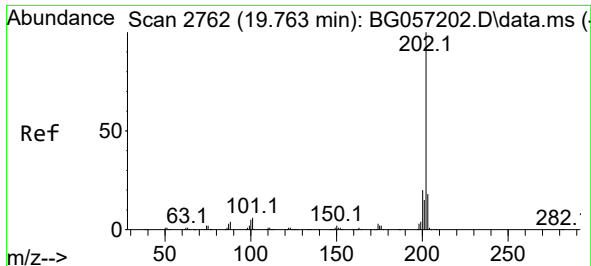
Tgt Ion:248 Resp: 5162
Ion Ratio Lower Upper
248 100
250 188.7 77.0 115.6#
141 411.9 48.6 72.8#



#71
Phenanthrene
Concen: 7.070 ng
RT: 17.753 min Scan# 2420
Delta R.T. -0.002 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion:178 Resp: 51950
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 14.8 12.3 18.5

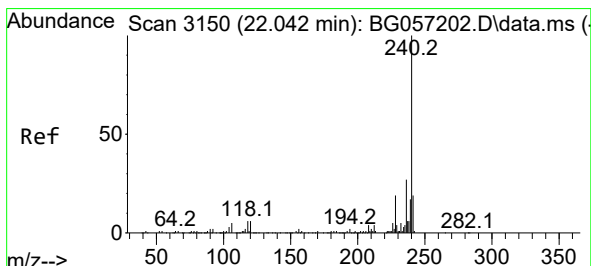
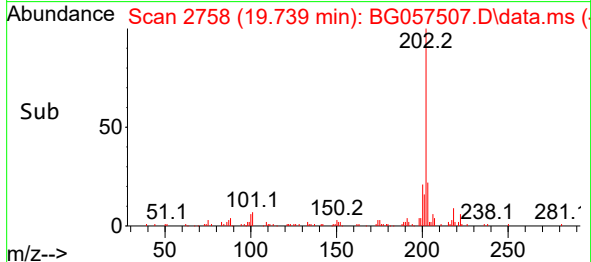
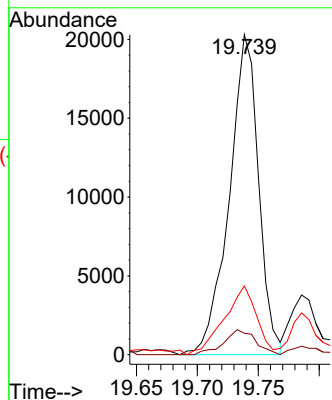
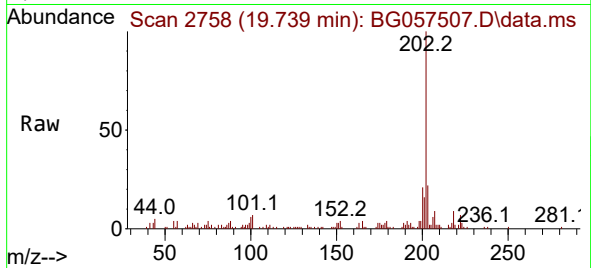




#75
Fluoranthene
Concen: 3.727 ng
RT: 19.739 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

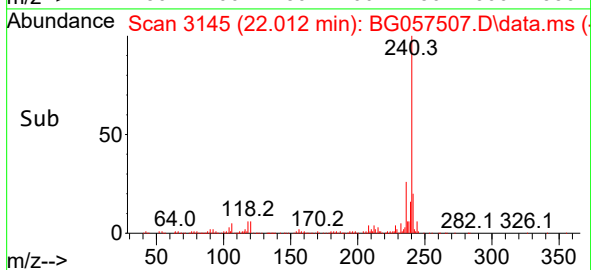
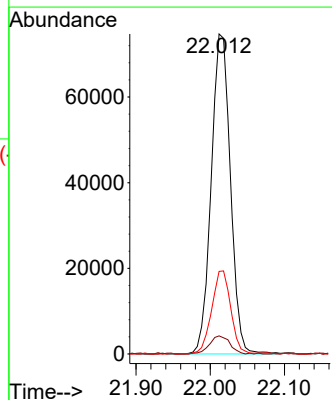
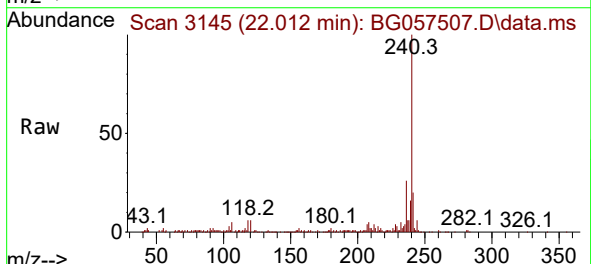
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

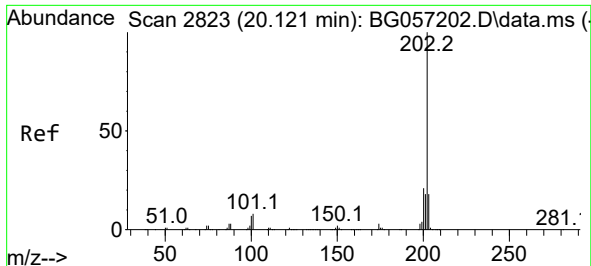
Tgt Ion:202 Resp: 34065
Ion Ratio Lower Upper
202 100
101 6.7 0.0 26.2
203 21.5 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.012 min Scan# 3145
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion:240 Resp: 134297
Ion Ratio Lower Upper
240 100
120 5.6 4.9 7.3
236 25.8 21.4 32.2

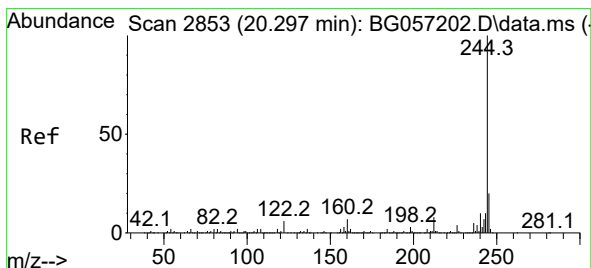
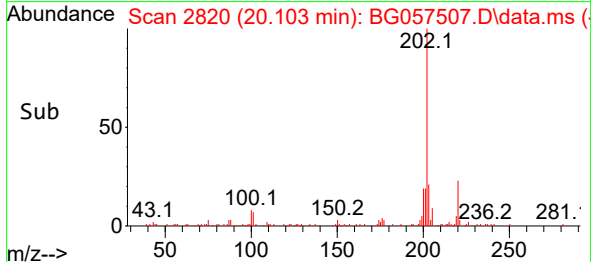
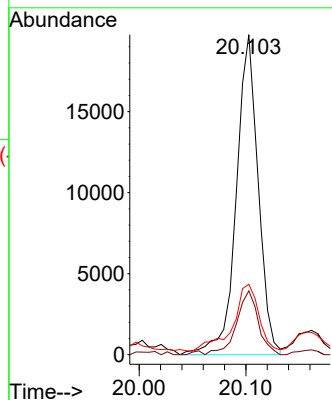
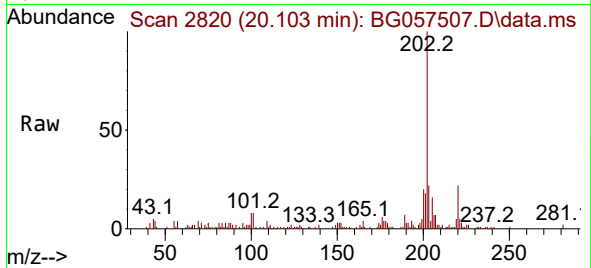




#78
 Pyrene
 Concen: 2.902 ng
 RT: 20.103 min Scan# 2820
 Delta R.T. -0.002 min
 Lab File: BG057507.D
 Acq: 23 May 2023 00:09

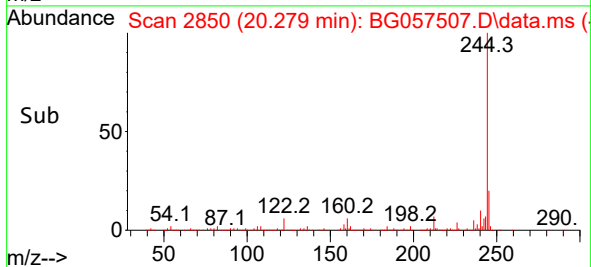
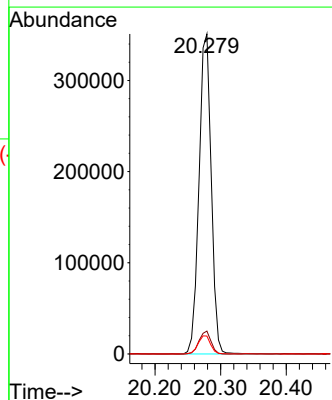
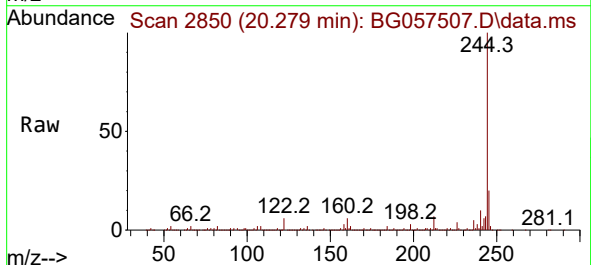
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-BIN

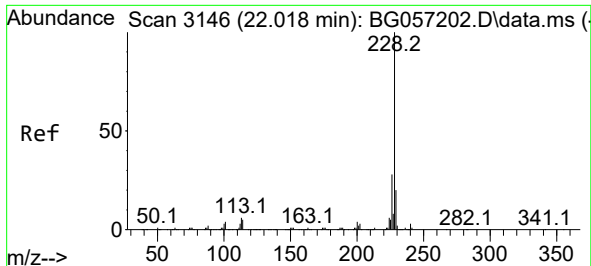
Tgt Ion:202 Resp: 28321
 Ion Ratio Lower Upper
 202 100
 200 19.9 17.0 25.4
 203 22.0 14.2 21.4#



#79
 Terphenyl-d14
 Concen: 55.318 ng
 RT: 20.279 min Scan# 2850
 Delta R.T. -0.002 min
 Lab File: BG057507.D
 Acq: 23 May 2023 00:09

Tgt Ion:244 Resp: 455236
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 5.6 5.1 7.7

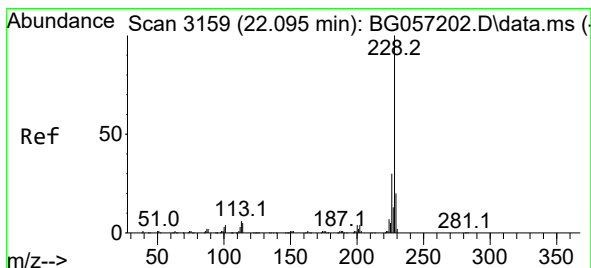
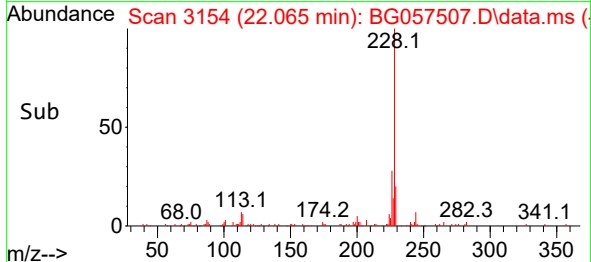
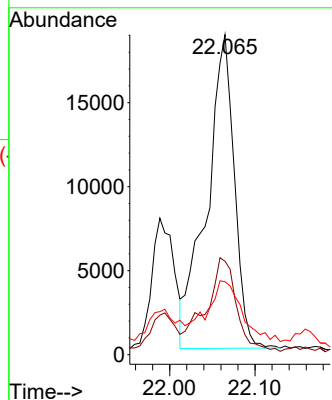
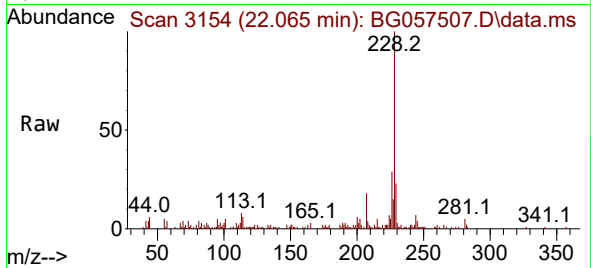




#81
Benzo(a)anthracene
Concen: 4.403 ng
RT: 22.065 min Scan# 3154
Delta R.T. 0.069 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

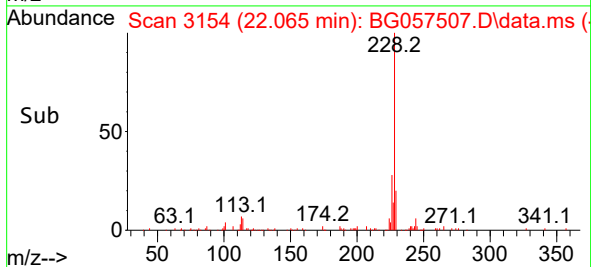
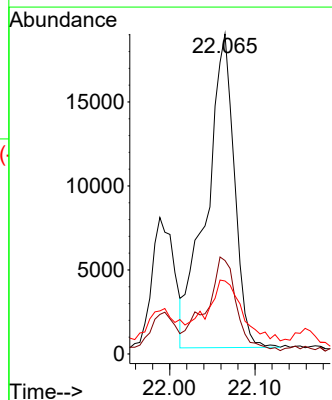
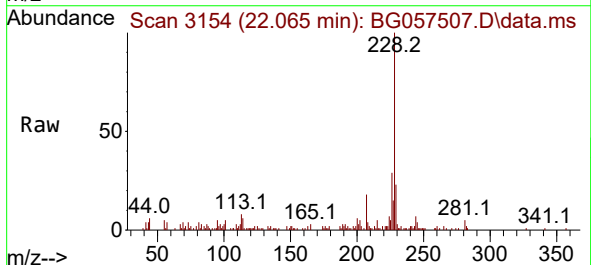
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

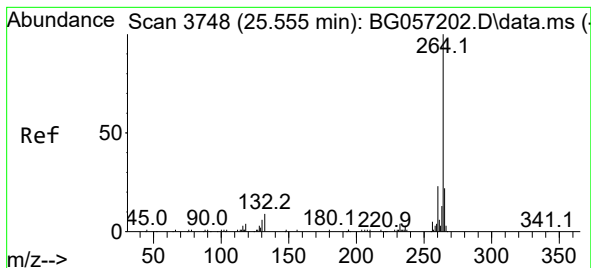
Tgt Ion:228 Resp: 42132
Ion Ratio Lower Upper
228 100
226 29.2 22.0 33.0
229 22.8 15.8 23.8



#83
Chrysene
Concen: 4.680 ng
RT: 22.065 min Scan# 3154
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

Tgt Ion:228 Resp: 42132
Ion Ratio Lower Upper
228 100
226 29.2 24.3 36.5
229 22.8 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.513 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG057507.D

Acq: 23 May 2023 00:09

Instrument :

BNA_G

ClientSampleId :

SOIL-BIN

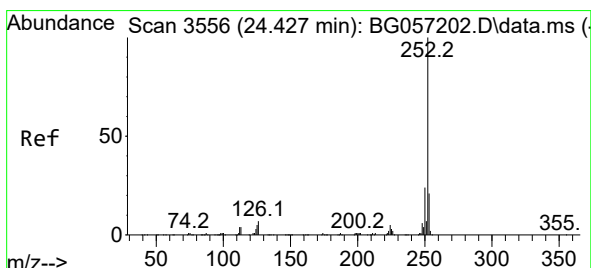
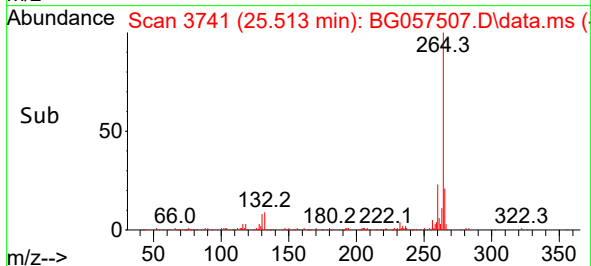
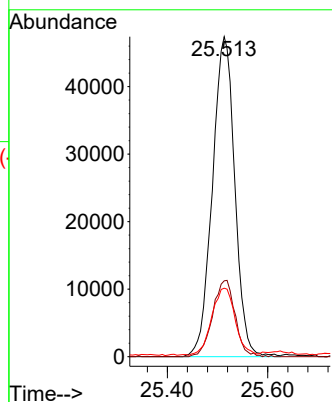
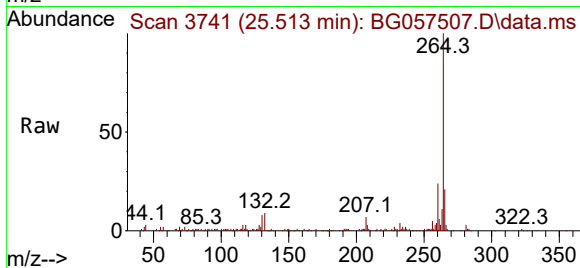
Tgt Ion:264 Resp: 146651

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.4 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 2.438 ng

RT: 24.391 min Scan# 3550

Delta R.T. -0.002 min

Lab File: BG057507.D

Acq: 23 May 2023 00:09

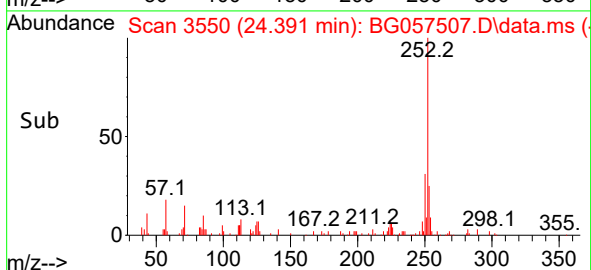
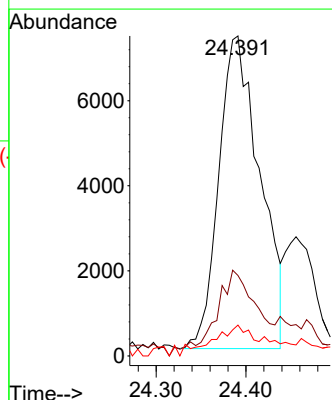
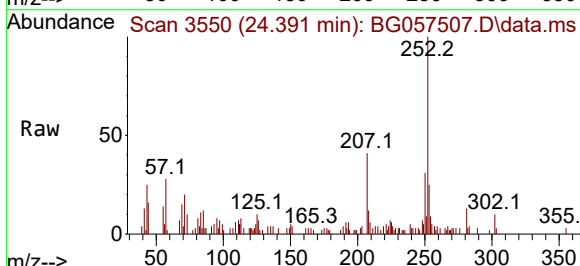
Tgt Ion:252 Resp: 23373

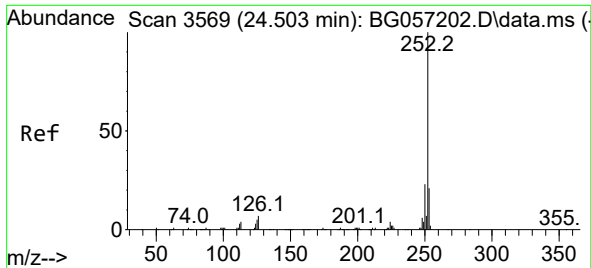
Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.6

125 9.6 4.2 6.2#





#89

Benzo(k)fluoranthene

Concen: 2.399 ng

RT: 24.391 min Scan# 3

Delta R.T. -0.078 min

Lab File: BG057507.D

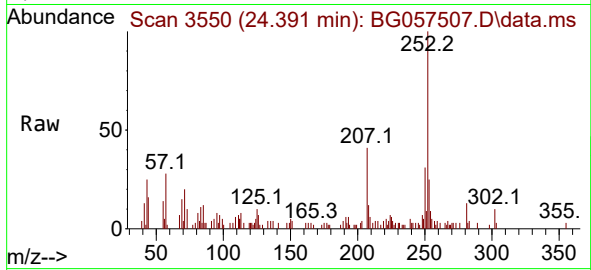
Acq: 23 May 2023 00:09

Instrument :

BNA_G

ClientSampleId :

SOIL-BIN



Tgt Ion:252 Resp: 23373

Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.0

125 9.6 4.1 6.1#

