

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)

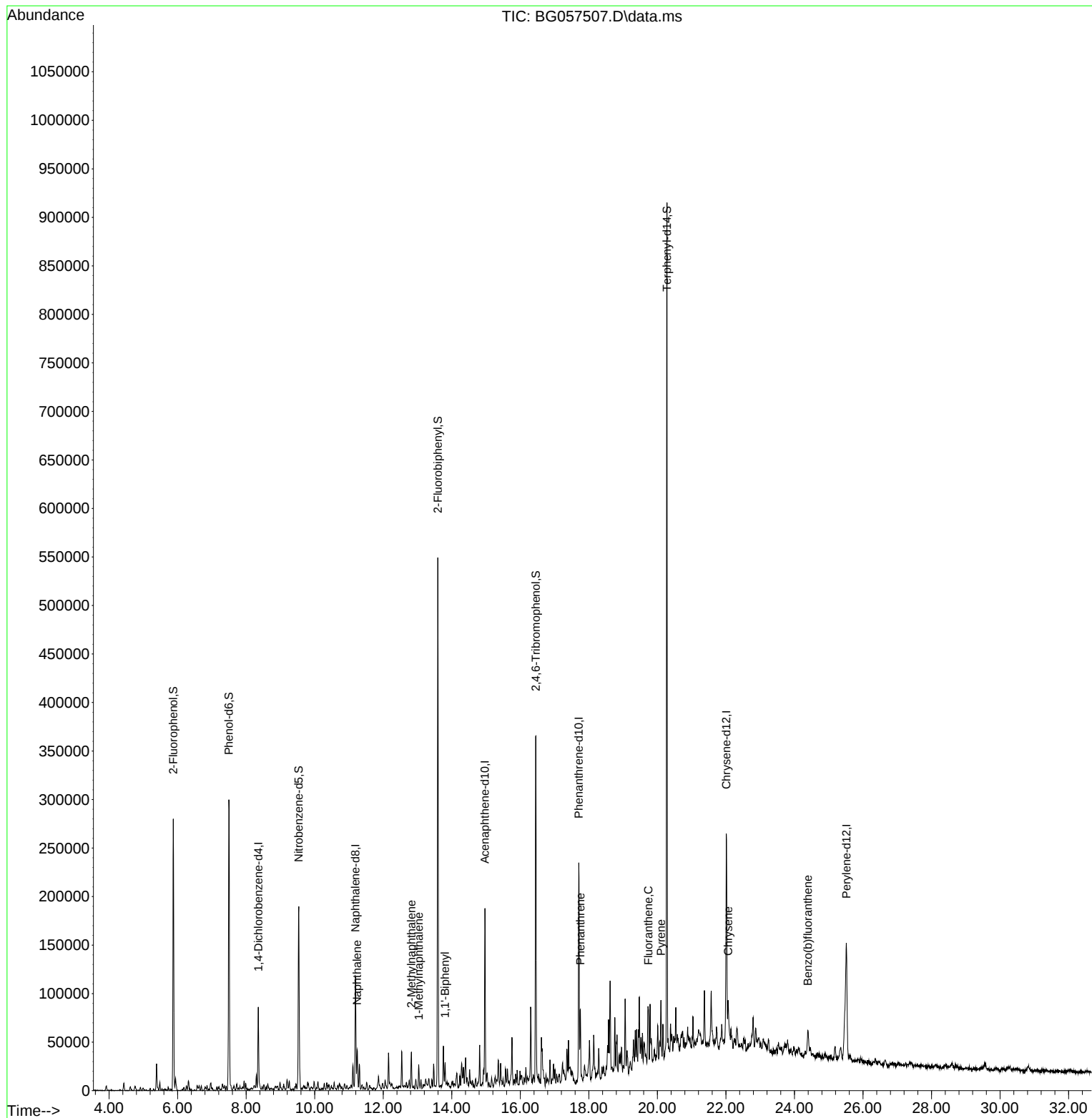
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	24261	20.000	ng	0.00
21) Naphthalene-d8	11.191	136	92789	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	64437	20.000	ng	0.00
64) Phenanthrene-d10	17.706	188	143402	20.000	ng	0.00
76) Chrysene-d12	22.012	240	134297	20.000	ng	0.00
86) Perylene-d12	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
31) Naphthalene	11.238	128	31896	6.430	ng	96
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
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
83) Chrysene	22.065	228	42132	4.680	ng	96
88) Benzo(b)fluoranthene	24.391	252	23373	2.438	ng	# 91

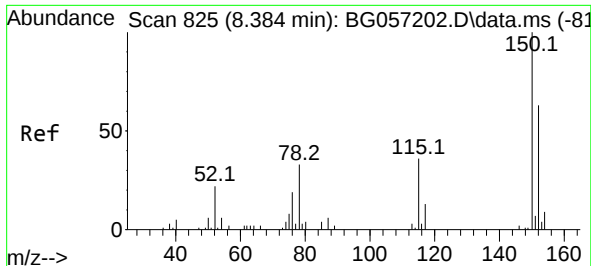
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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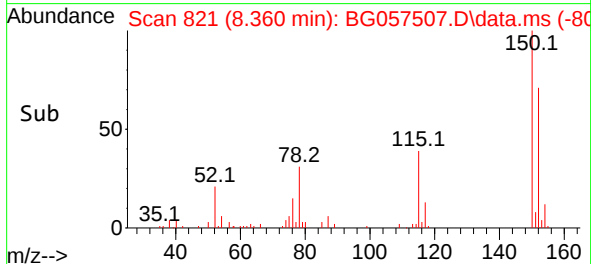
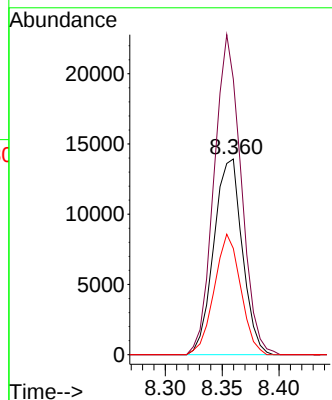
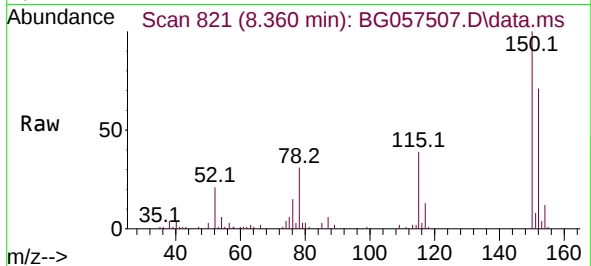




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.360 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

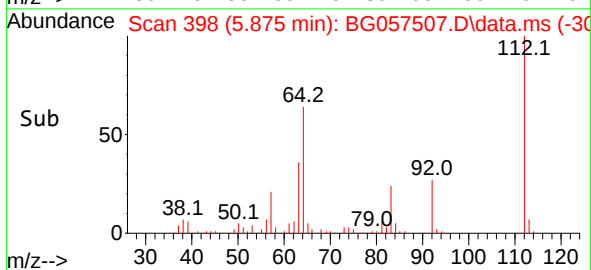
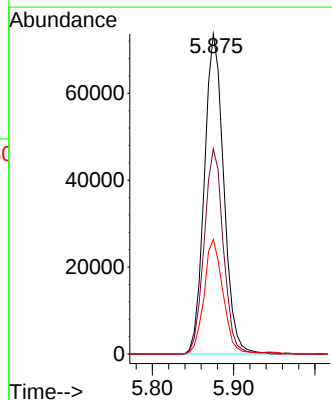
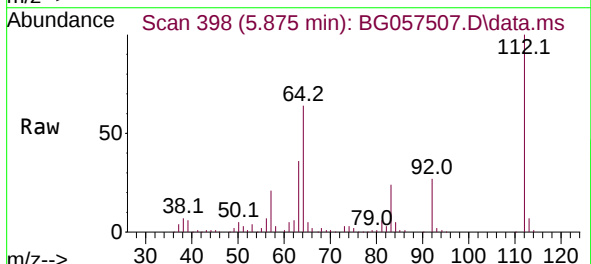
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

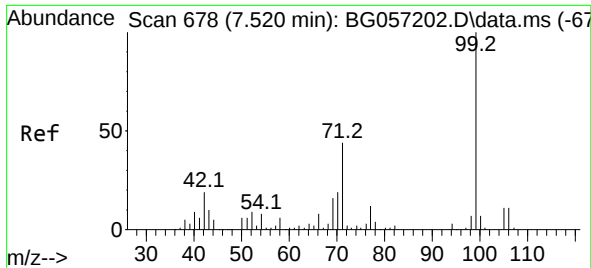
Tgt Ion:152 Resp: 24261
Ion Ratio Lower Upper
152 100
150 140.7 126.2 189.4
115 54.3 45.0 67.4



#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

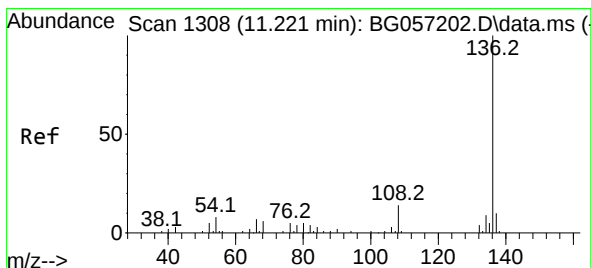
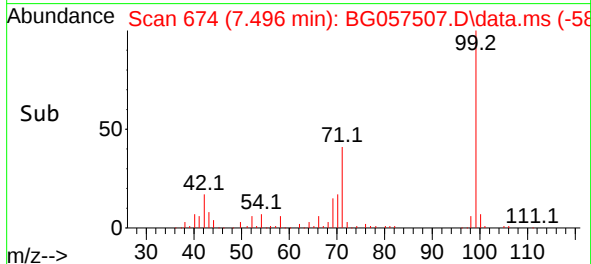
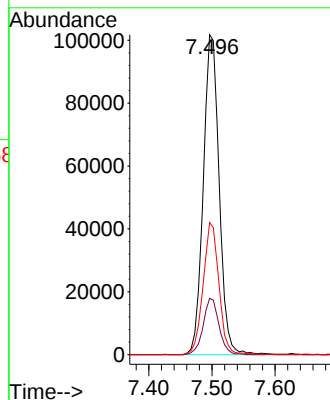
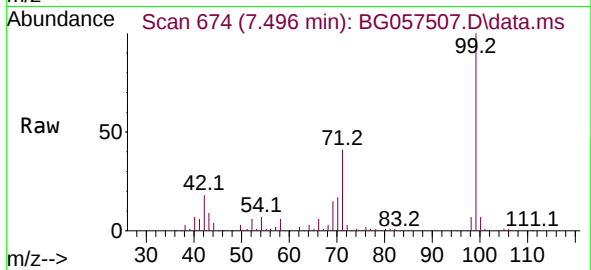




#7
Phenol-d6
Concen: 82.755 ng
RT: 7.496 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

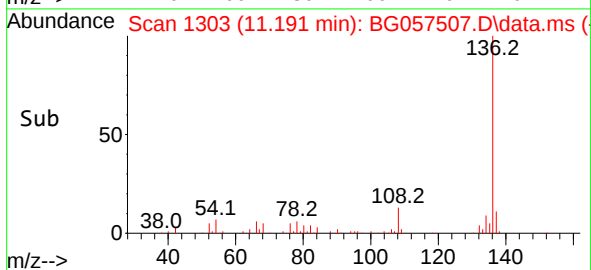
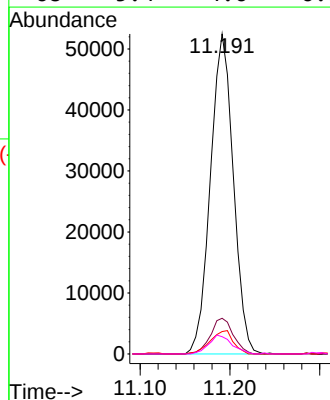
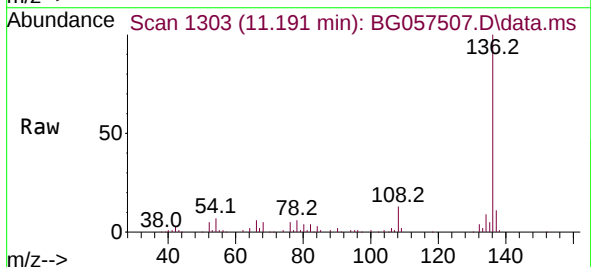
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

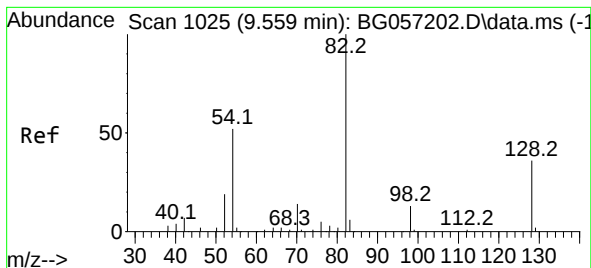
Tgt Ion: 99 Resp: 178228
Ion Ratio Lower Upper
99 100
42 17.6 15.1 22.7
71 41.3 35.2 52.8



#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# 1025

Delta R.T. -0.002 min

Lab File: BG057507.D

Acq: 23 May 2023 00:09

Instrument :

BNA_G

ClientSampleId :

SOIL-BIN

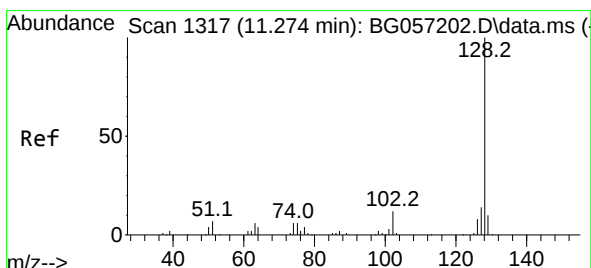
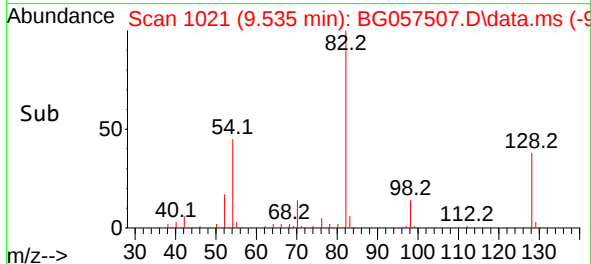
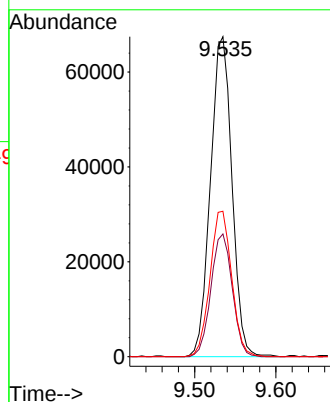
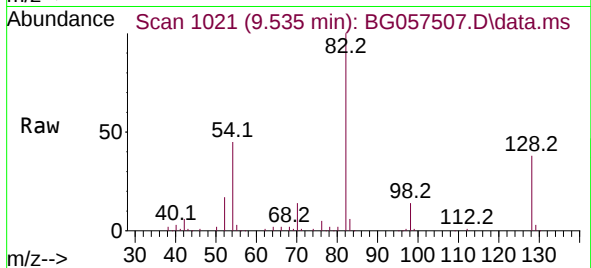
Tgt Ion: 82 Resp: 123768

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

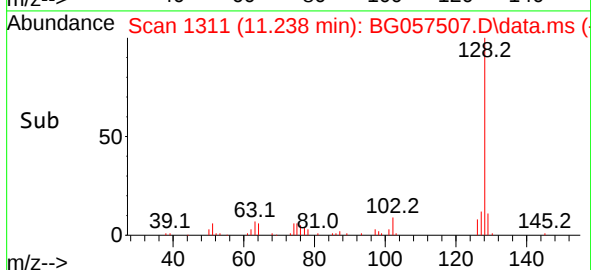
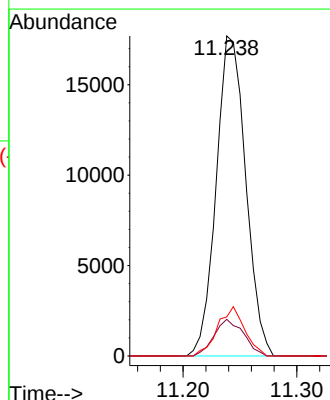
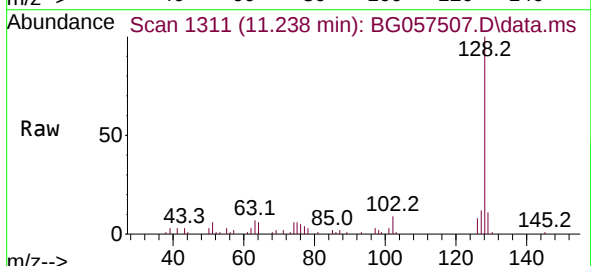
Tgt Ion:128 Resp: 31896

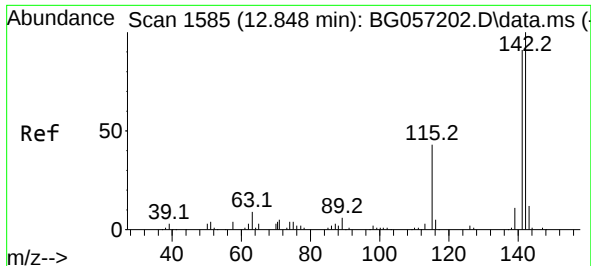
Ion Ratio Lower Upper

128 100

129 11.4 8.3 12.5

127 12.2 11.1 16.7





#37

2-Methylnaphthalene

Concen: 4.654 ng

RT: 12.824 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG057507.D

Acq: 23 May 2023 00:09

Instrument :

BNA_G

ClientSampleId :

SOIL-BIN

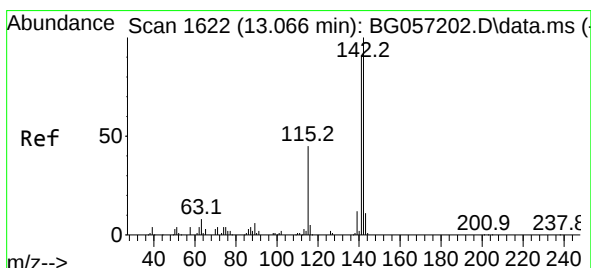
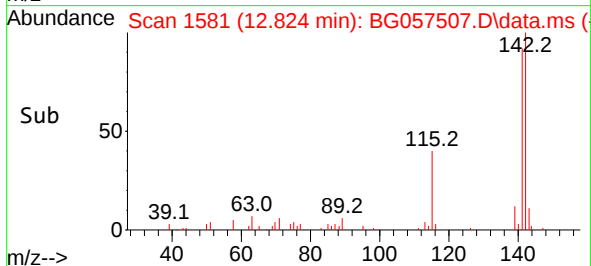
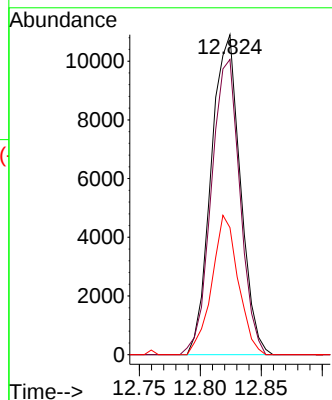
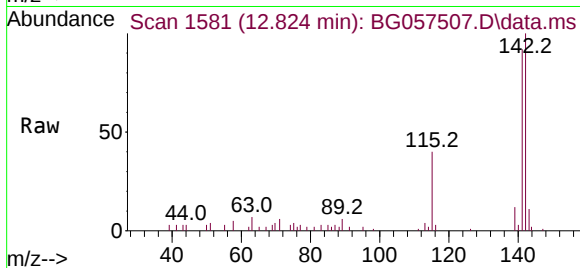
Tgt Ion:142 Resp: 18152

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# 1617

Delta R.T. -0.008 min

Lab File: BG057507.D

Acq: 23 May 2023 00:09

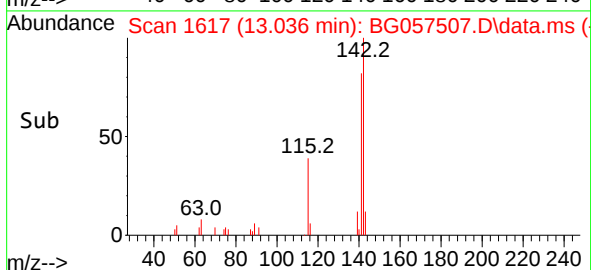
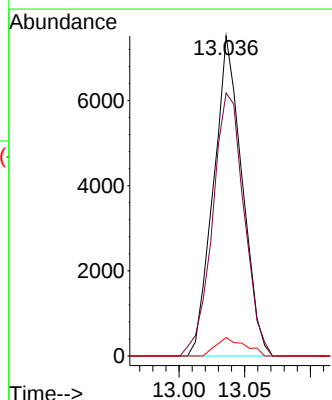
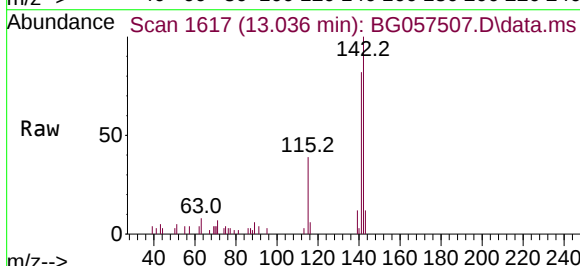
Tgt Ion:142 Resp: 11365

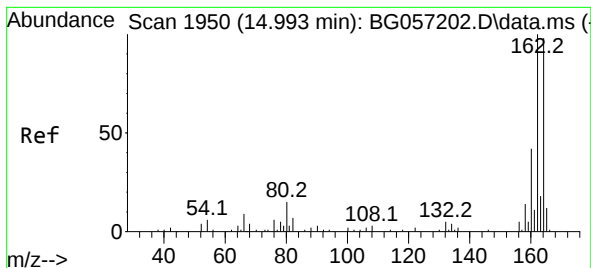
Ion Ratio Lower Upper

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

Instrument :

BNA_G

ClientSampleId :

SOIL-BIN

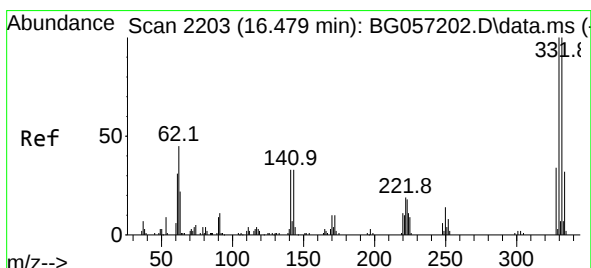
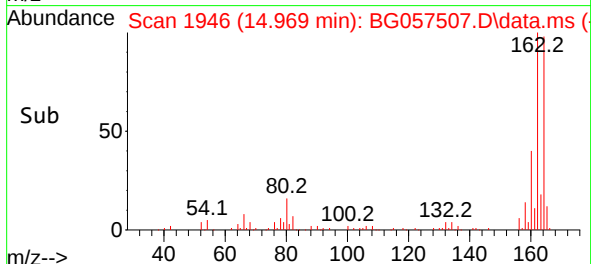
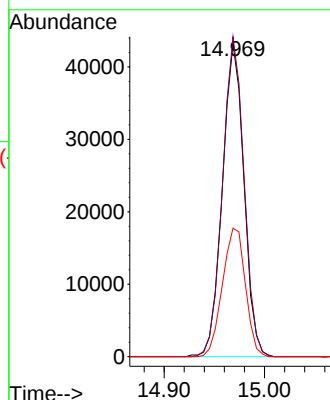
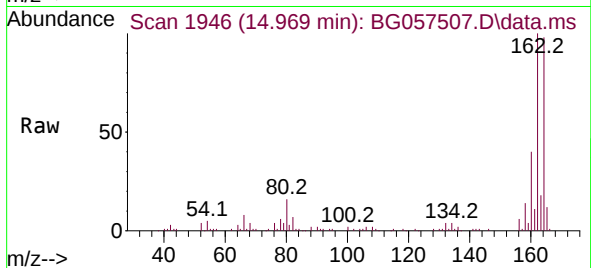
Tgt Ion:164 Resp: 64437

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

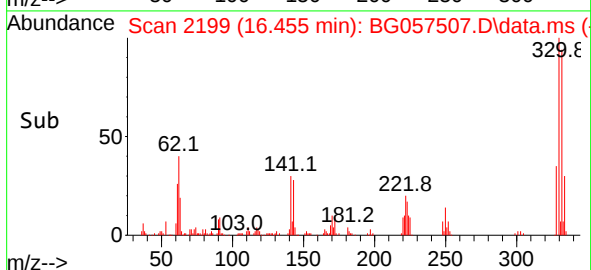
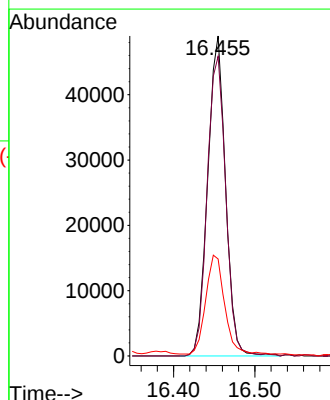
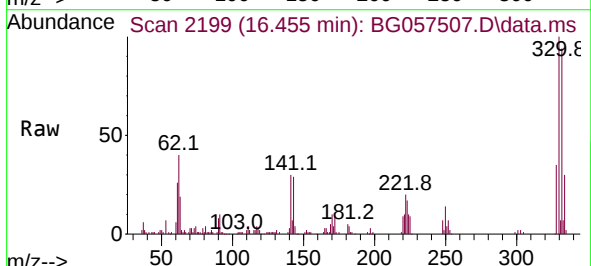
Tgt Ion:330 Resp: 74796

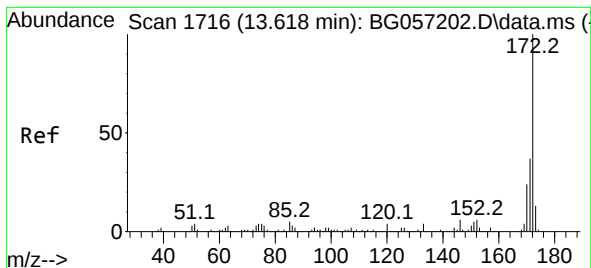
Ion Ratio Lower Upper

330 100

332 96.8 78.2 117.2

141 35.9 27.8 41.8

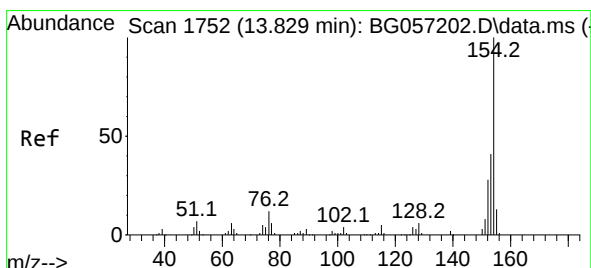
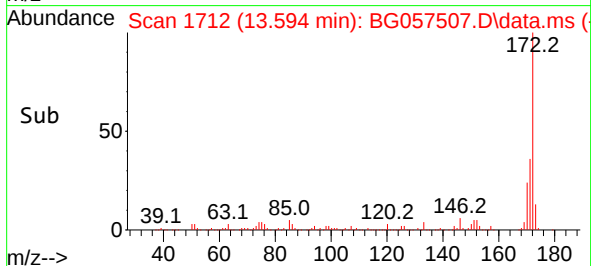
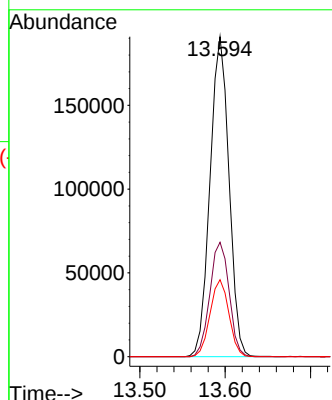
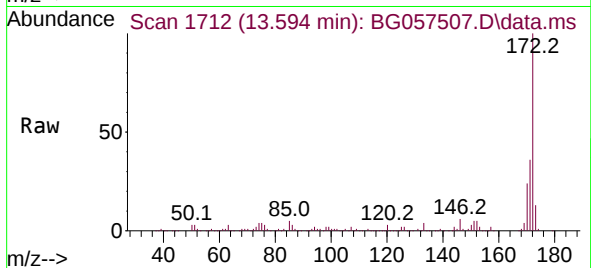




#45
2-Fluorobiphenyl
Concen: 61.594 ng
RT: 13.594 min Scan# 1712
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

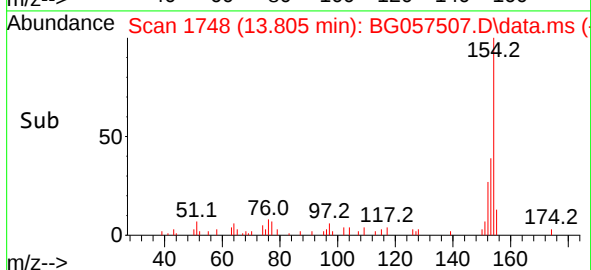
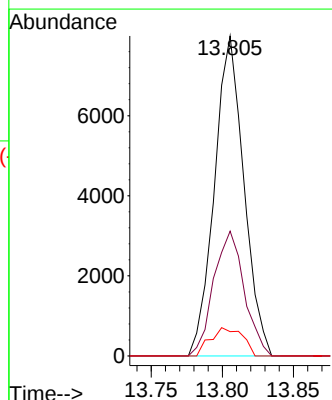
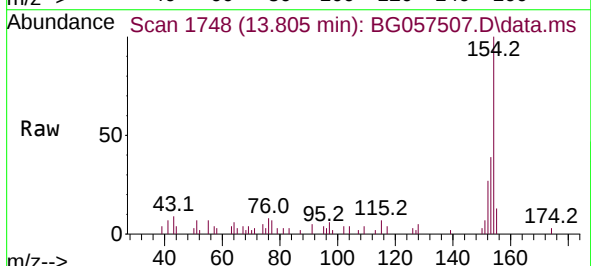
Instrument :
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SOIL-BIN

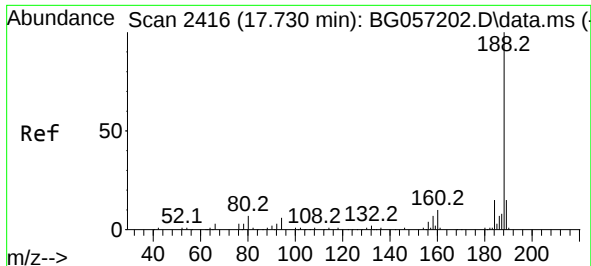
Tgt Ion:172 Resp: 294692
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 24.0 19.0 28.6



#46
1,1'-Biphenyl
Concen: 2.403 ng
RT: 13.805 min Scan# 1748
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

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

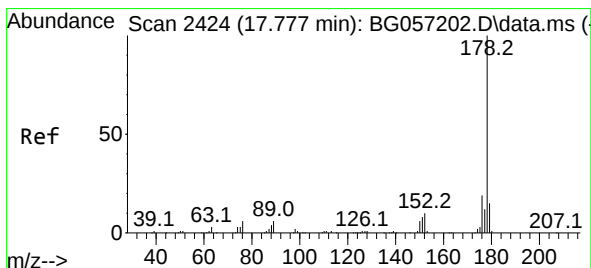
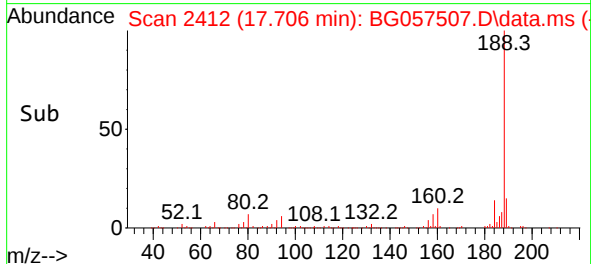
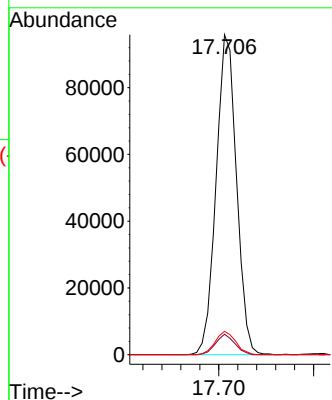
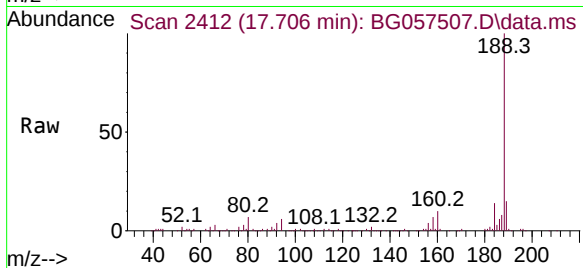




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.706 min Scan# 2416
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

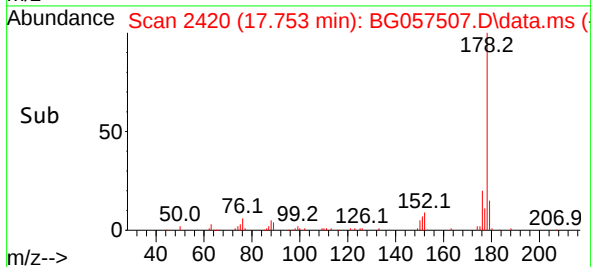
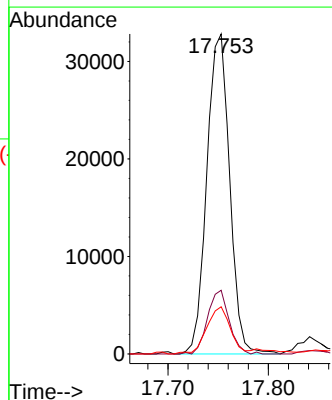
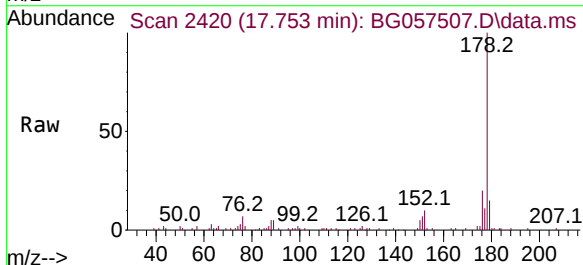
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

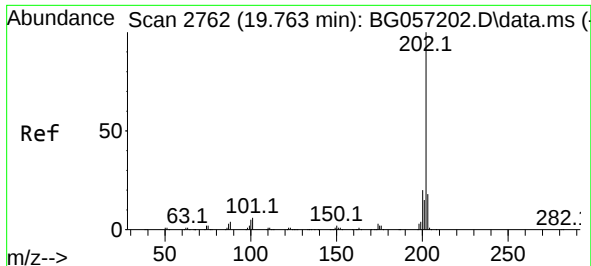
Tgt Ion:188 Resp: 143402
Ion Ratio Lower Upper
188 100
94 6.4 5.1 7.7
80 7.3 5.7 8.5



#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

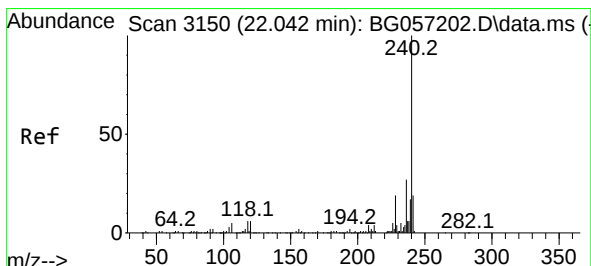
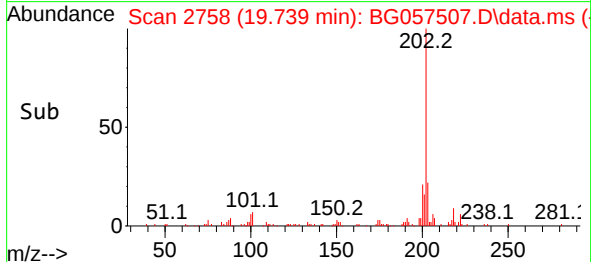
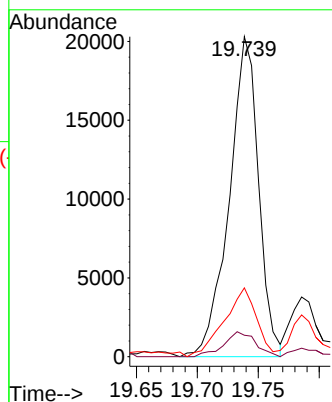
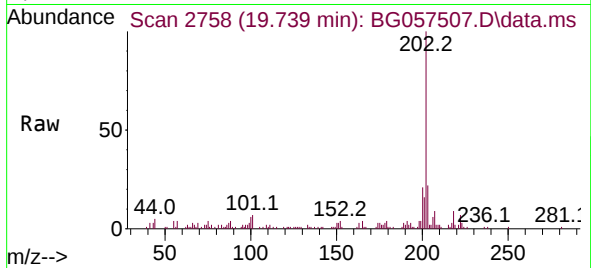




#75
 Fluoranthene
 Concen: 3.727 ng
 RT: 19.739 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG057507.D
 Acq: 23 May 2023 00:09

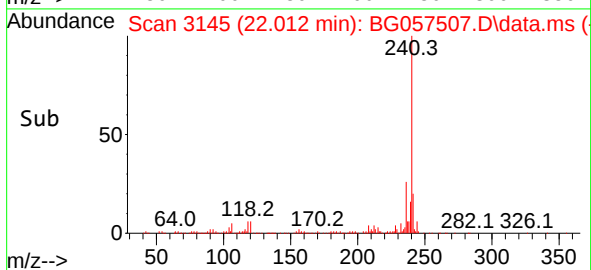
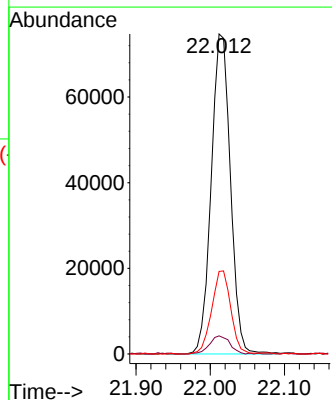
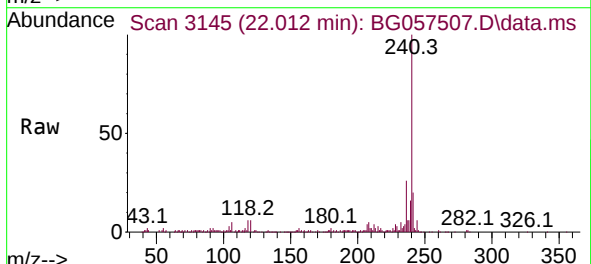
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-BIN

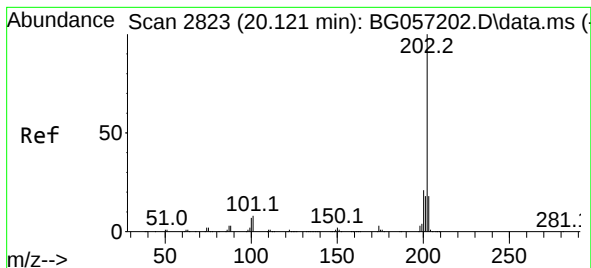
Tgt Ion:202 Resp: 34065
 Ion Ratio Lower Upper
 202 100
 101 6.7 0.0 26.2
 203 21.5 0.0 37.9



#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# 2

Delta R.T. -0.002 min

Lab File: BG057507.D

Acq: 23 May 2023 00:09

Instrument :

BNA_G

ClientSampleId :

SOIL-BIN

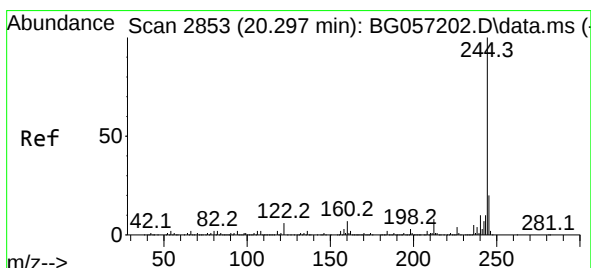
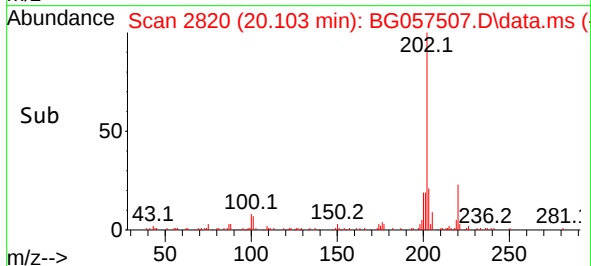
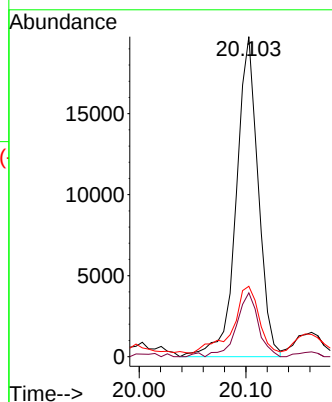
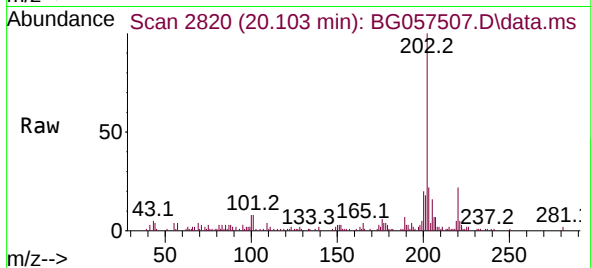
Tgt Ion:202 Resp: 28321

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

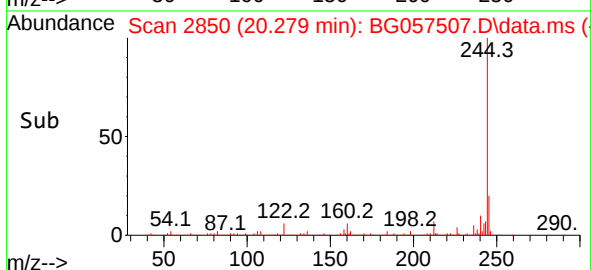
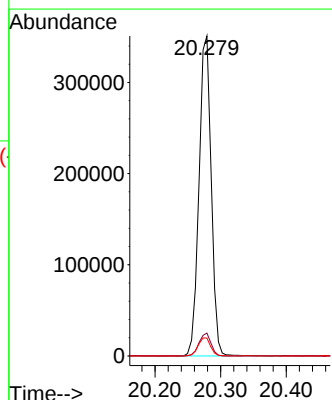
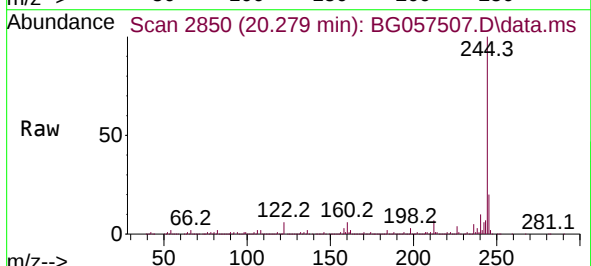
Tgt Ion:244 Resp: 455236

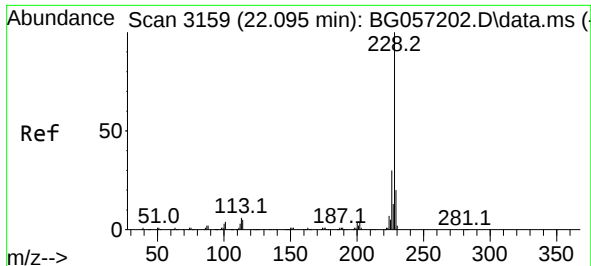
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 5.6 5.1 7.7

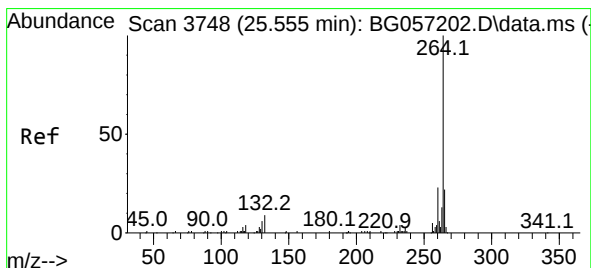
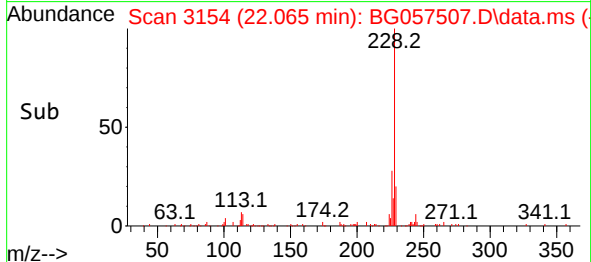
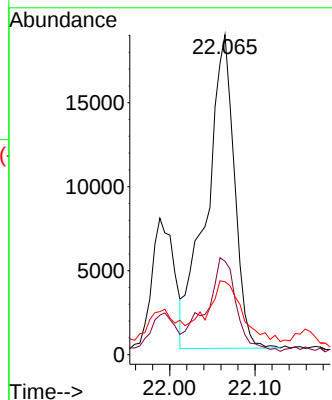
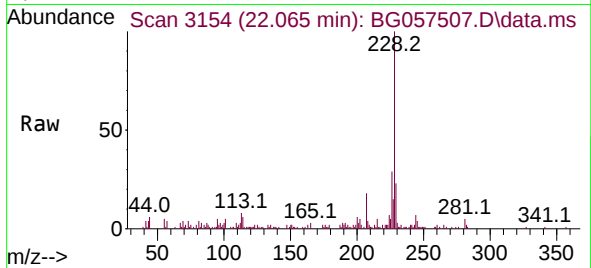




#83
Chrysene
Concen: 4.680 ng
RT: 22.065 min Scan# 3159
Delta R.T. -0.008 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

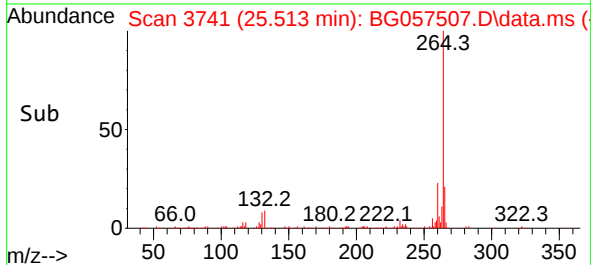
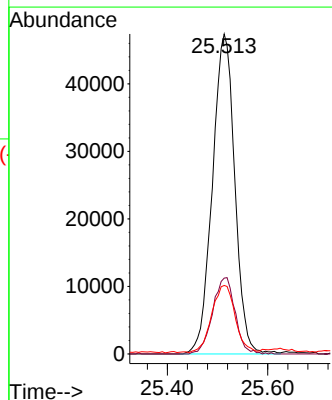
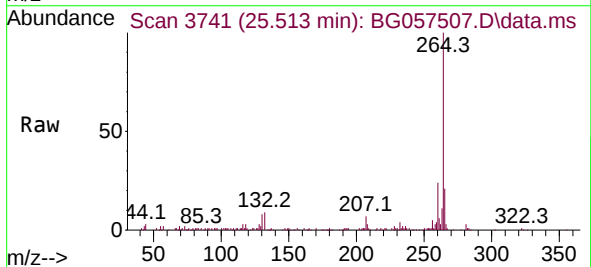
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

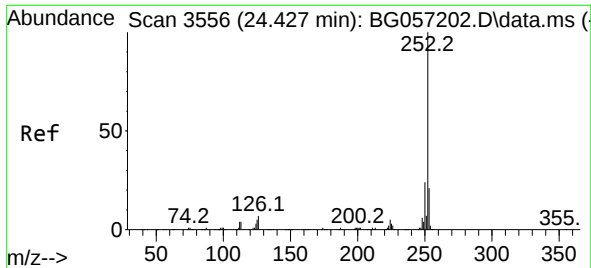
Tgt Ion:228 Resp: 42132
Ion Ratio Lower Upper
228 100
226 29.2 24.3 36.5
229 22.8 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.513 min Scan# 3741
Delta R.T. -0.002 min
Lab File: BG057507.D
Acq: 23 May 2023 00:09

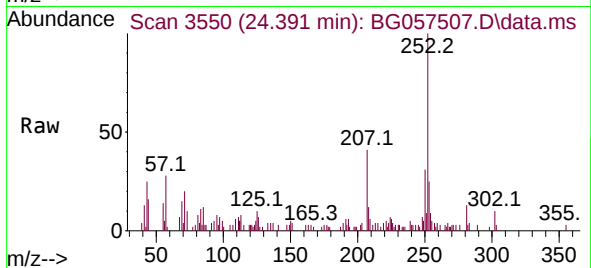
Tgt Ion:264 Resp: 146651
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 21.4 17.9 26.9





#88
Benzo(b)fluoranthene
Concen: 2.438 ng
RT: 24.391 min Scan# 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:252 Resp: 23373
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.6
125 9.6 4.2 6.2#

