

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
 Data File : BG057434.D
 Acq On : 15 May 2023 13:25
 Operator : CG/JU
 Sample : 02500-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 15 14:01:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.361	152	14522	20.000	ng	0.00
21) Naphthalene-d8	11.205	136	60998	20.000	ng	# 0.00
39) Acenaphthene-d10	14.982	164	46802	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	118342	20.000	ng	0.00
76) Chrysene-d12	22.031	240	107954	20.000	ng	0.00
86) Perylene-d12	25.538	264	119202	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.877	112	99042	116.666	ng	0.00
7) Phenol-d6	7.504	99	154651	119.964	ng	0.00
23) Nitrobenzene-d5	9.542	82	101416	69.781	ng	0.00
42) 2,4,6-Tribromophenol	16.462	330	89596	134.919	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	276377	79.532	ng	0.00
79) Terphenyl-d14	20.286	244	563618	85.201	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	7.533	94	48066	38.248	ng	94
12) 1,3-Dichlorobenzene	8.250	146	67918	68.600	ng	97
14) 1,2-Dichlorobenzene	8.726	146	84868	88.399	ng	97
18) Hexachloroethane	9.460	117	15191	42.328	ng	95
24) Nitrobenzene	9.589	77	106963	72.918	ng	97
25) Isophorone	10.100	82	114768	40.724	ng	100
26) 2-Nitrophenol	10.300	139	41209	73.392	ng	98
28) bis(2-Chloroethoxy)met...	10.576	93	70231	49.744	ng	99
31) Naphthalene	11.252	128	139645	42.822	ng	99
34) Hexachlorobutadiene	11.522	225	42719	47.866	ng	96
36) 4-Chloro-3-methylphenol	12.444	107	46831	39.518	ng	99
37) 2-Methylnaphthalene	12.832	142	136654	53.298	ng	97
43) 2,4,6-Trichlorophenol	13.425	196	47578	47.002	ng	96
49) Acenaphthylene	14.706	152	213649	50.922	ng	100
50) Dimethylphthalate	14.418	163	322475	83.847	ng	98
51) 2,6-Dinitrotoluene	14.547	165	60073	76.502	ng	95
52) Acenaphthene	15.047	154	92360	35.228	ng	99
55) Dibenzofuran	15.375	168	357230	81.096	ng	99
56) 4-Nitrophenol	15.187	139	41781	79.854	ng	88
57) 2,4-Dinitrotoluene	15.334	165	64381	57.368	ng	# 96
58) Fluorene	16.022	166	201301	55.479	ng	98
60) Diethylphthalate	15.763	149	389257	99.663	ng	97
61) 4-Chlorophenyl-phenyle...	15.998	204	82979	37.962	ng	96
71) Phenanthrene	17.760	178	227996	37.598	ng	100
72) Anthracene	17.854	178	339328	54.535	ng	98
73) Carbazole	18.119	167	153131	29.233	ng	98
75) Fluoranthene	19.752	202	339908	45.068	ng	99
78) Pyrene	20.110	202	257517	32.827	ng	98
80) Butylbenzylphthalate	20.968	149	242218	97.314	ng	96
81) Benzo(a)anthracene	22.008	228	244998	31.854	ng	99
85) Di-n-octyl phthalate	23.147	149	188582	30.716	ng	97
87) Indeno(1,2,3-cd)pyrene	29.592	276	444448	51.159	ng	# 96
91) Dibenzo(a,h)anthracene	29.656	278	372824	51.531	ng	98
92) Benzo(g,h,i)perylene	30.866	276	200413	28.369	ng	99

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Response via : Initial Calibration

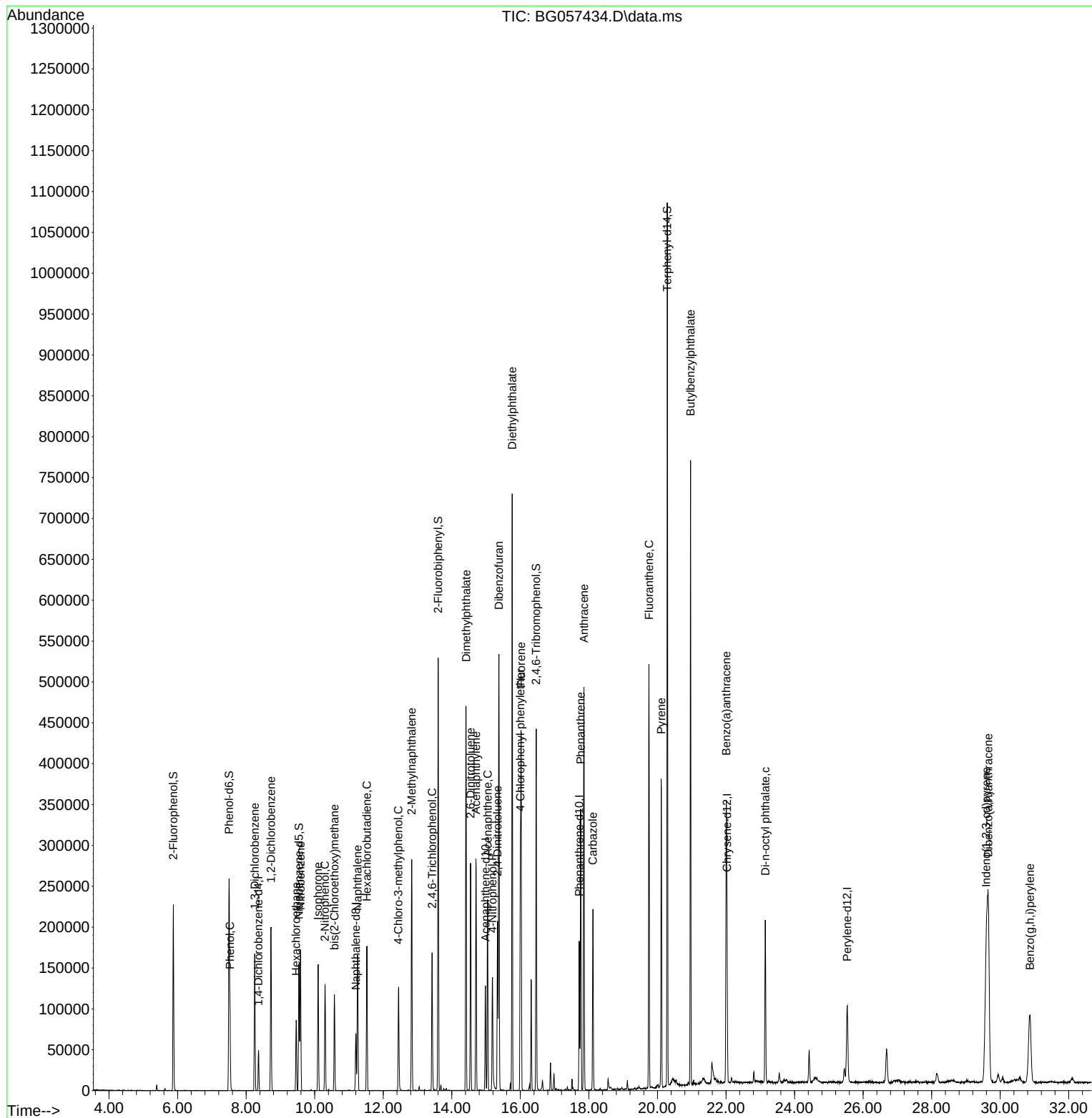
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

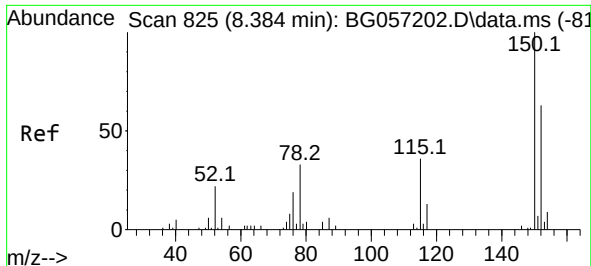
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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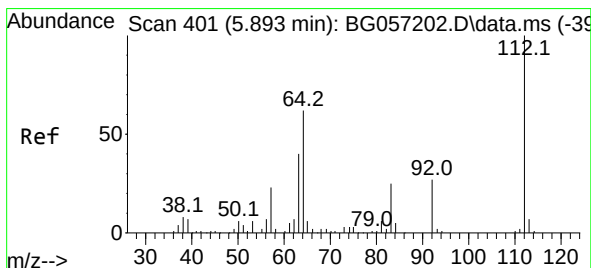
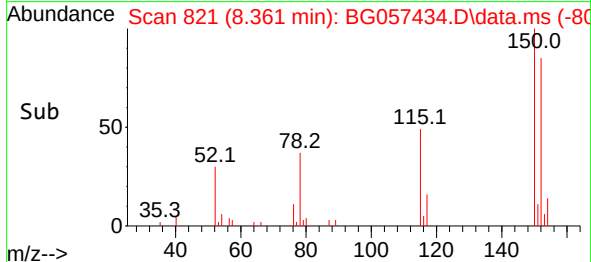
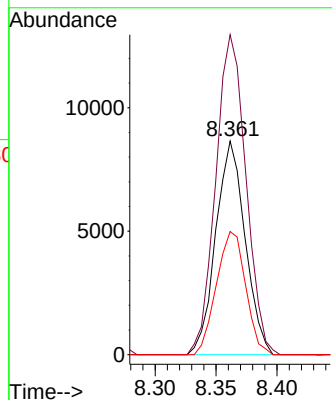
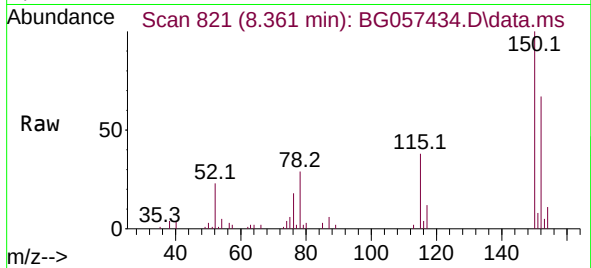




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

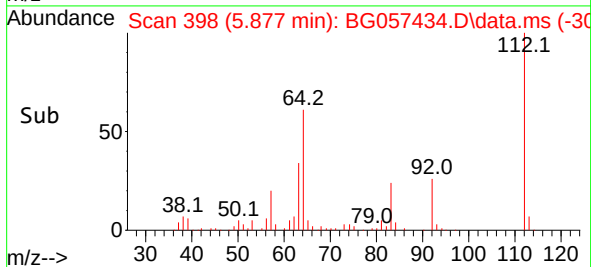
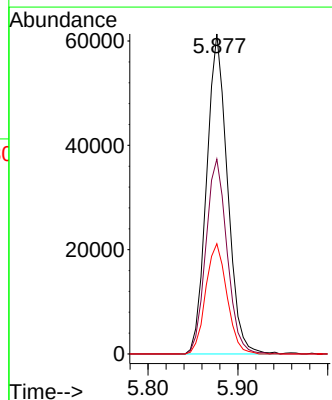
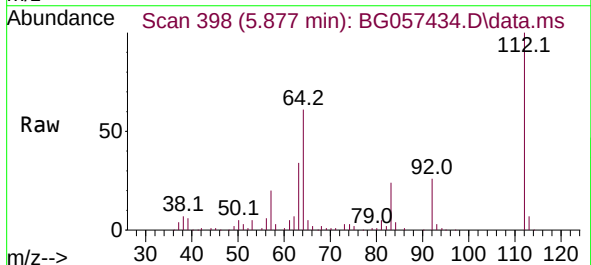
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

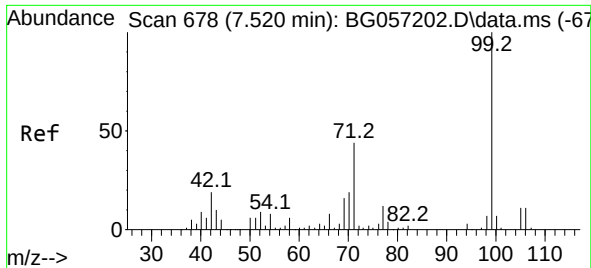
Tgt Ion:152 Resp: 14522
Ion Ratio Lower Upper
152 100
150 149.8 126.2 189.4
115 57.7 45.0 67.4



#5
2-Fluorophenol
Concen: 116.666 ng
RT: 5.877 min Scan# 398
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:112 Resp: 99042
Ion Ratio Lower Upper
112 100
64 60.9 49.4 74.2
63 34.4 31.6 47.4

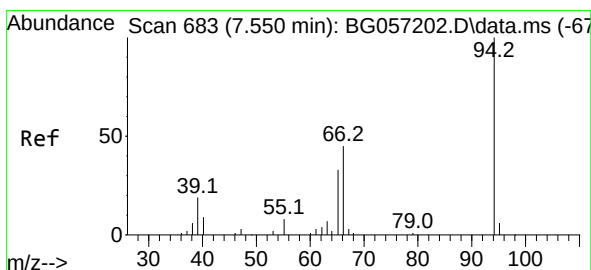
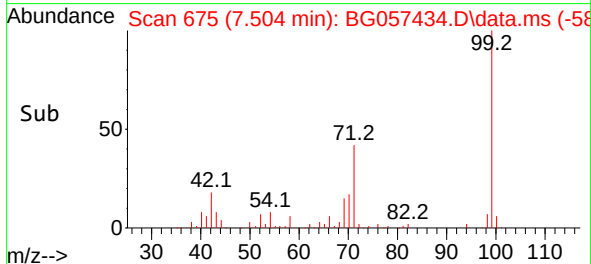
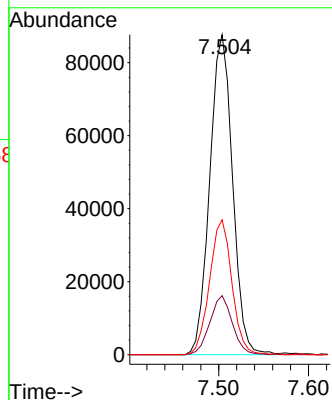
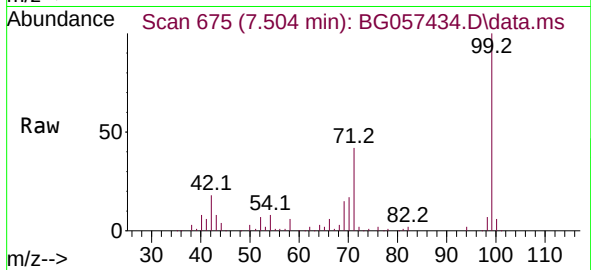




#7
Phenol-d6
Concen: 119.964 ng
RT: 7.504 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

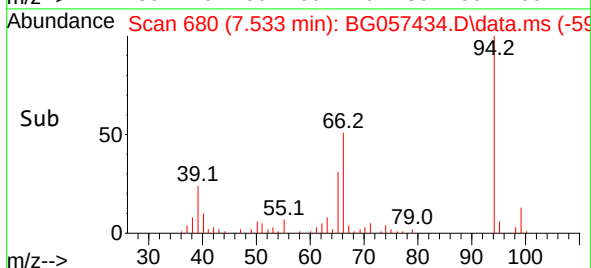
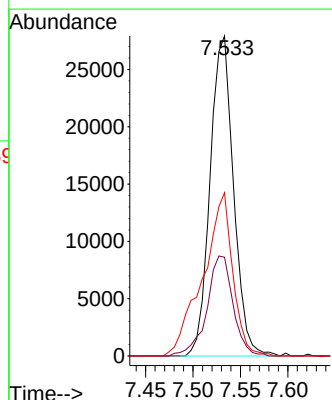
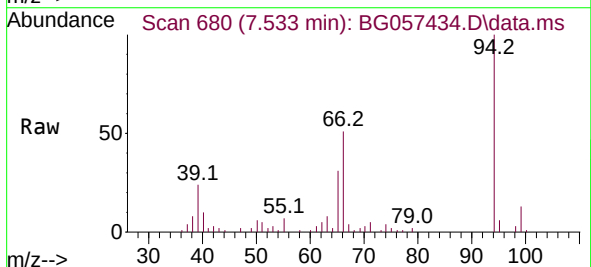
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

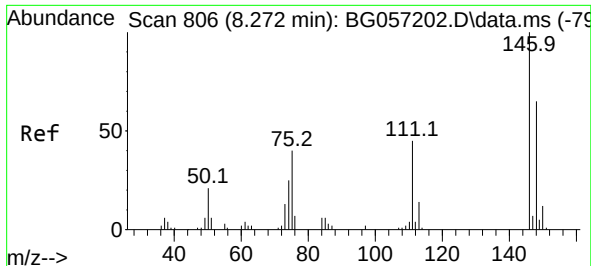
Tgt Ion: 99 Resp: 154651
Ion Ratio Lower Upper
99 100
42 18.5 15.1 22.7
71 42.2 35.2 52.8



#10
Phenol
Concen: 38.248 ng
RT: 7.533 min Scan# 680
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion: 94 Resp: 48066
Ion Ratio Lower Upper
94 100
65 30.8 13.5 53.5
66 51.0 26.7 66.7





#12

1,3-Dichlorobenzene

Concen: 68.600 ng

RT: 8.250 min Scan# 80

Delta R.T. -0.002 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

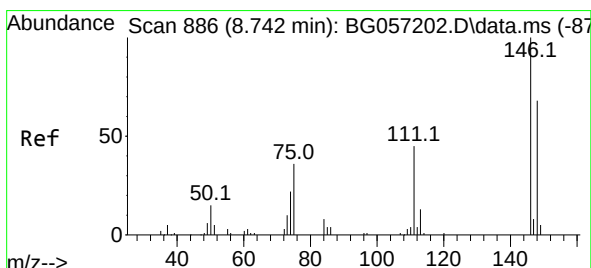
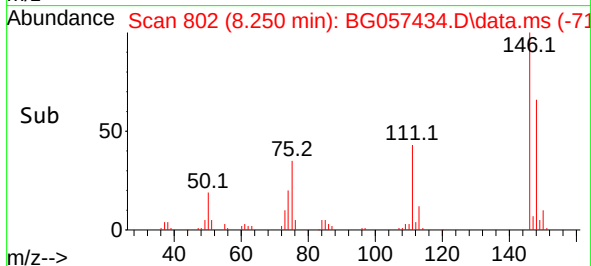
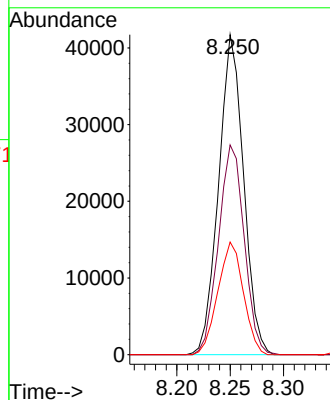
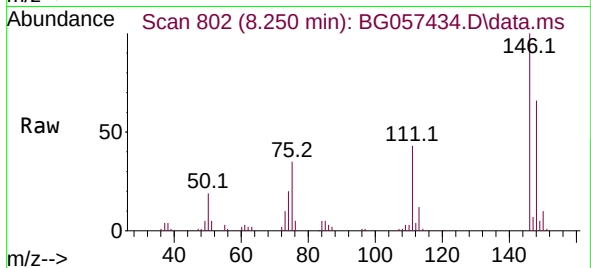
Tgt Ion:146 Resp: 67918

Ion Ratio Lower Upper

146 100

148 65.5 52.2 78.2

75 35.2 31.7 47.5



#14

1,2-Dichlorobenzene

Concen: 88.399 ng

RT: 8.726 min Scan# 883

Delta R.T. -0.002 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

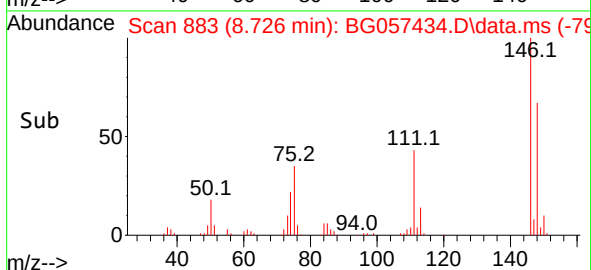
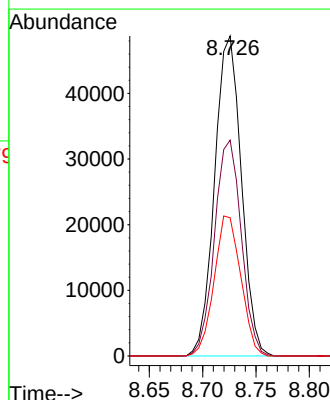
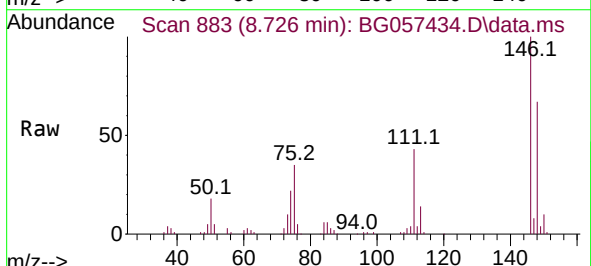
Tgt Ion:146 Resp: 84868

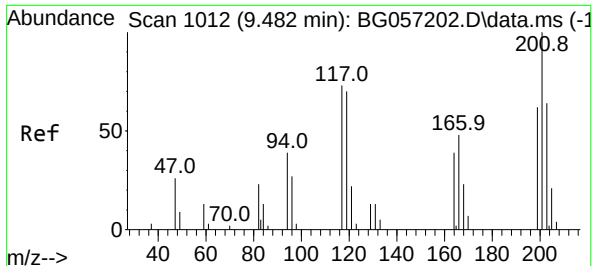
Ion Ratio Lower Upper

146 100

148 67.4 54.6 82.0

111 43.2 37.2 55.8





#18

Hexachloroethane

Concen: 42.328 ng

RT: 9.460 min Scan# 1008

Delta R.T. -0.002 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

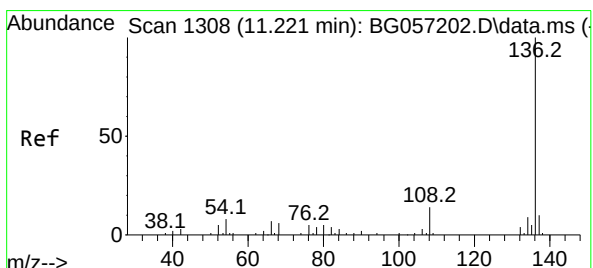
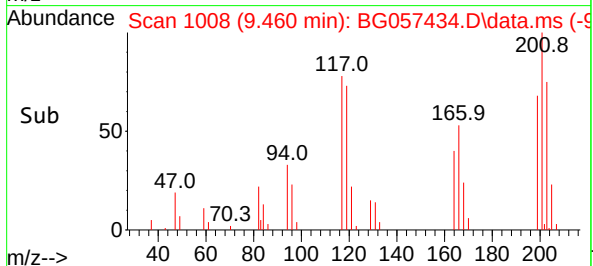
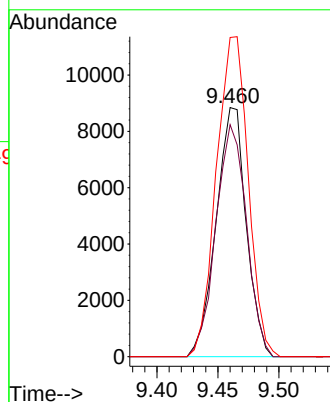
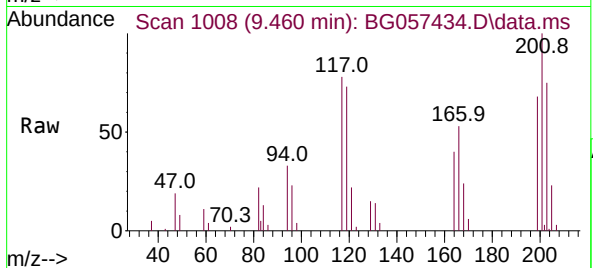
Tgt Ion:117 Resp: 15191

Ion Ratio Lower Upper

117 100

119 93.2 76.7 115.1

201 128.2 109.0 163.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.205 min Scan# 1305

Delta R.T. 0.004 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Tgt Ion:136 Resp: 60998

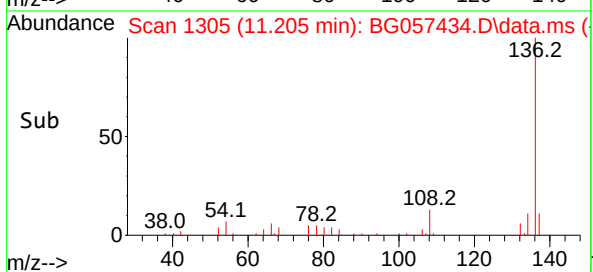
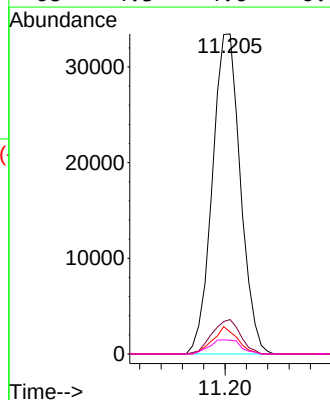
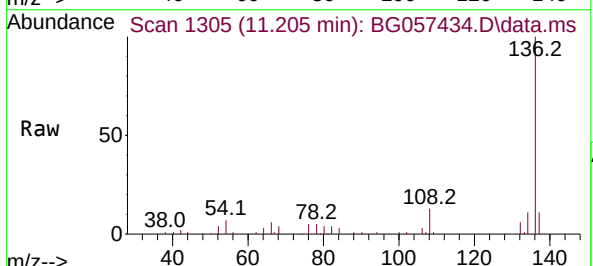
Ion Ratio Lower Upper

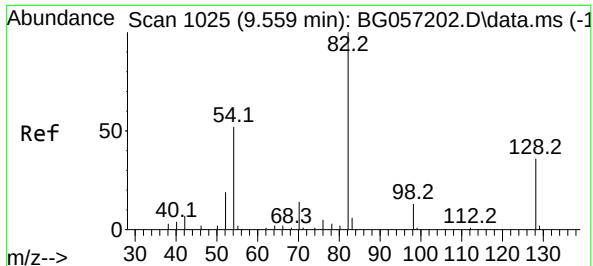
136 100

137 10.8 8.3 12.5

54 6.8 6.7 10.1

68 4.3 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 69.781 ng

RT: 9.542 min Scan# 1022

Delta R.T. -0.002 min

Lab File: BG057434.D

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Instrument :

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ClientSampleId :

PT-BNA-SOIL

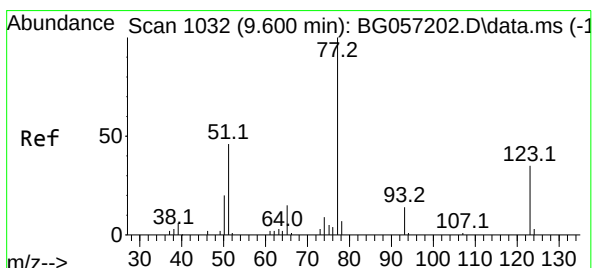
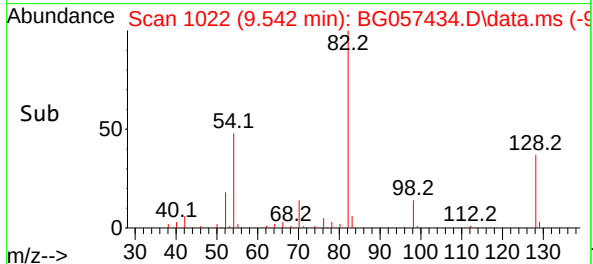
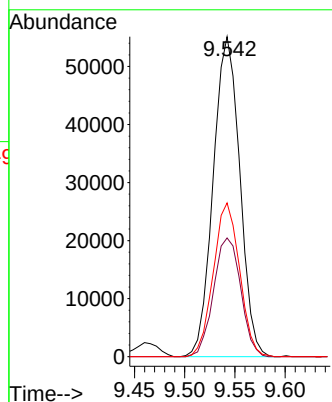
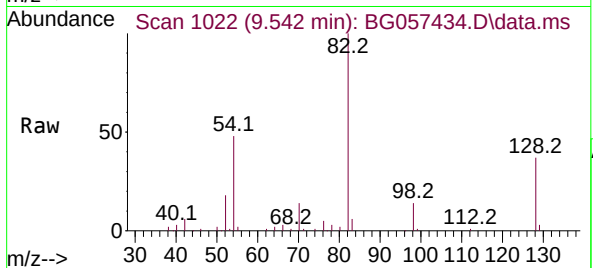
Tgt Ion: 82 Resp: 101416

Ion Ratio Lower Upper

82 100

128 37.1 29.0 43.4

54 48.0 41.4 62.0



#24

Nitrobenzene

Concen: 72.918 ng

RT: 9.589 min Scan# 1030

Delta R.T. 0.004 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

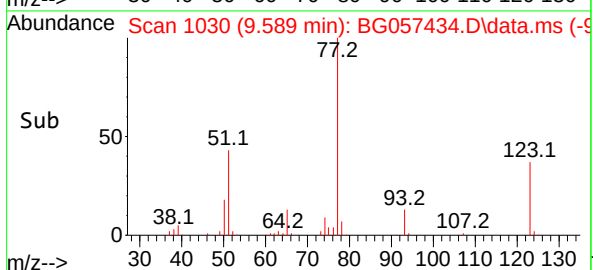
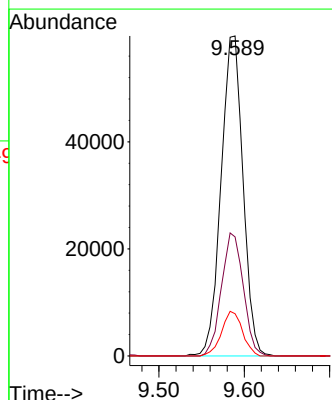
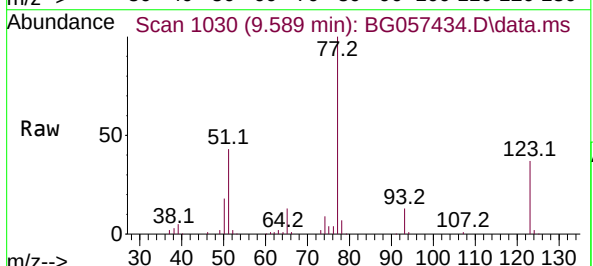
Tgt Ion: 77 Resp: 106963

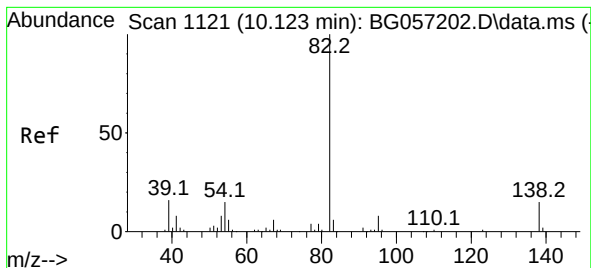
Ion Ratio Lower Upper

77 100

123 37.2 28.2 42.2

65 13.2 11.7 17.5





#25

Isophorone

Concen: 40.724 ng

RT: 10.100 min Scan# 1117

Delta R.T. -0.002 min

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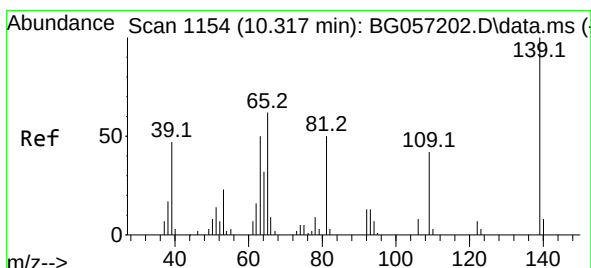
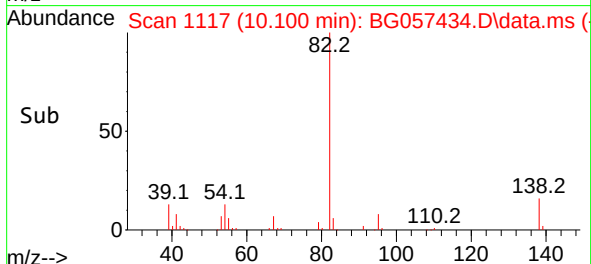
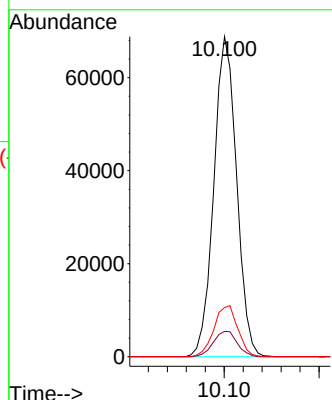
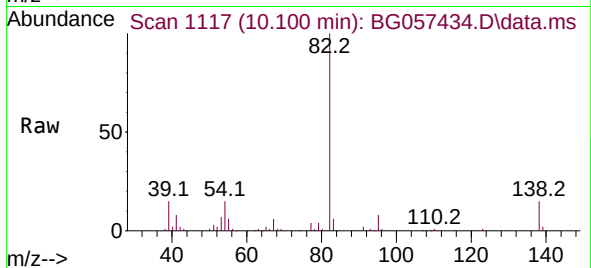
Tgt Ion: 82 Resp: 114768

Ion Ratio Lower Upper

82 100

95 7.9 6.4 9.6

138 15.4 12.3 18.5



#26

2-Nitrophenol

Concen: 73.392 ng

RT: 10.300 min Scan# 1151

Delta R.T. -0.002 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

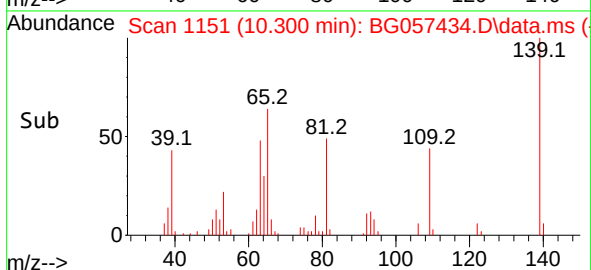
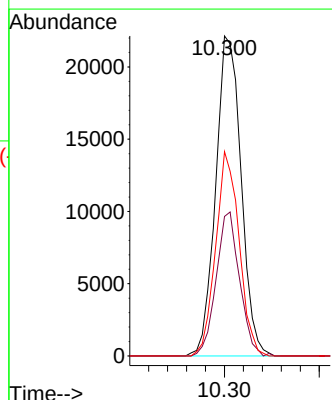
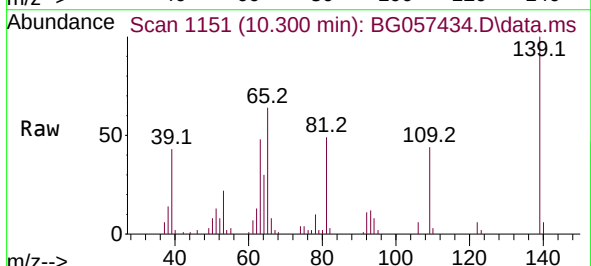
Tgt Ion:139 Resp: 41209

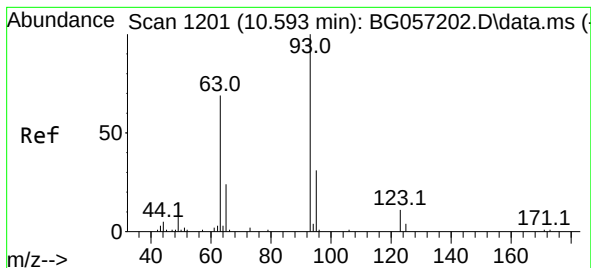
Ion Ratio Lower Upper

139 100

109 43.6 33.4 50.2

65 63.8 49.8 74.6

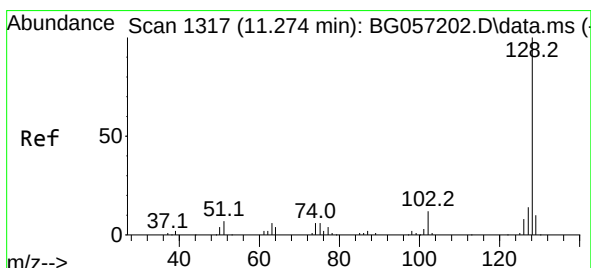
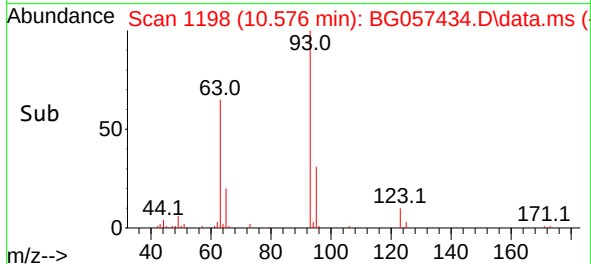
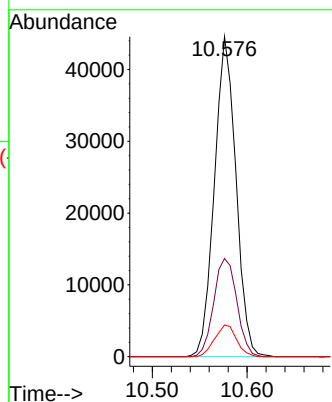
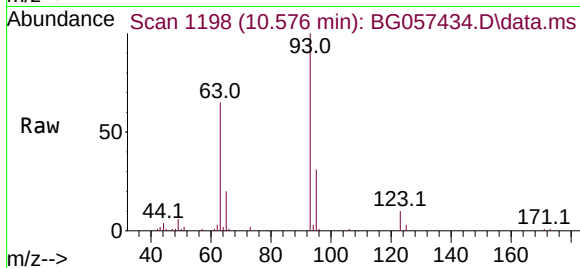




#28
bis(2-Chloroethoxy)methane
Concen: 49.744 ng
RT: 10.576 min Scan# 1198
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

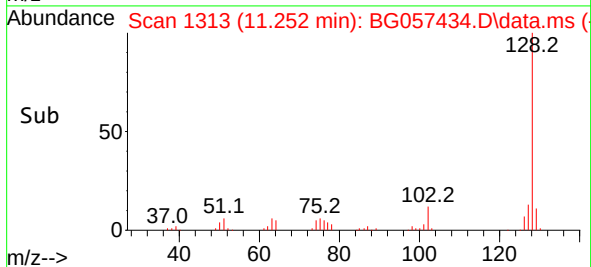
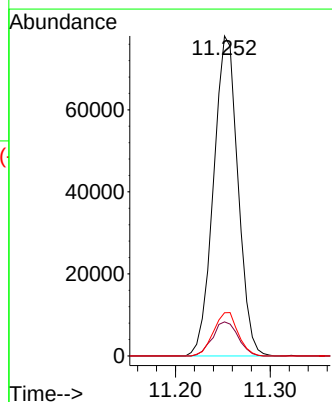
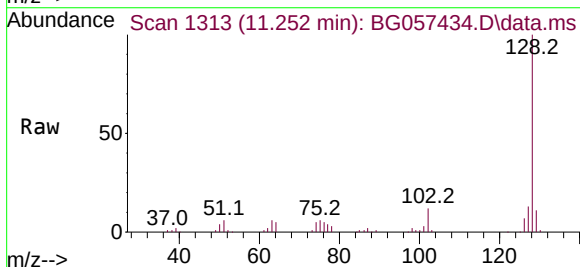
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

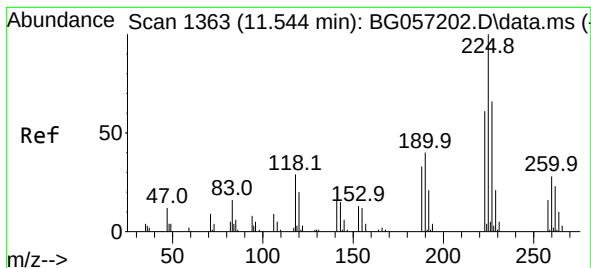
Tgt Ion: 93 Resp: 70231
Ion Ratio Lower Upper
93 100
95 30.7 25.0 37.6
123 9.9 8.5 12.7



#31
Naphthalene
Concen: 42.822 ng
RT: 11.252 min Scan# 1313
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:128 Resp: 139645
Ion Ratio Lower Upper
128 100
129 10.6 8.3 12.5
127 13.5 11.1 16.7





#34

Hexachlorobutadiene

Concen: 47.866 ng

RT: 11.522 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

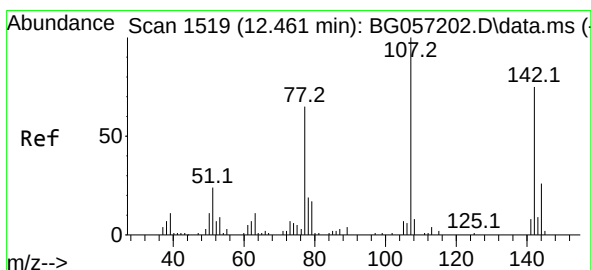
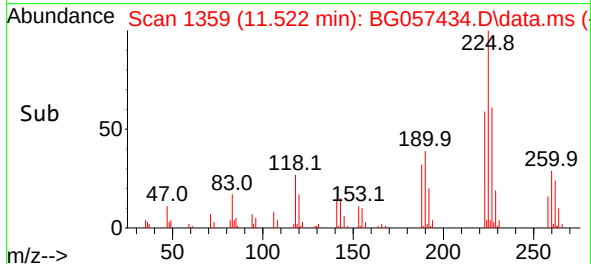
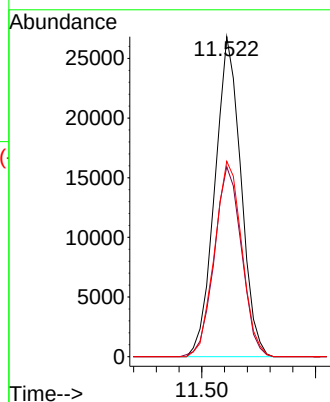
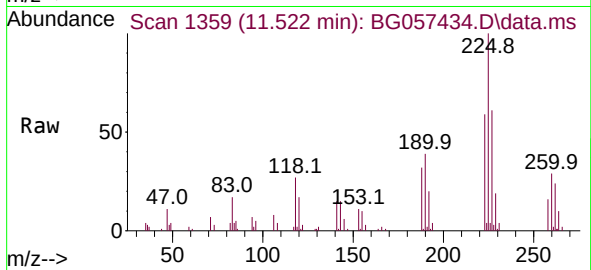
Tgt Ion:225 Resp: 42719

Ion Ratio Lower Upper

225 100

223 59.4 48.6 72.8

227 61.1 52.7 79.1



#36

4-Chloro-3-methylphenol

Concen: 39.518 ng

RT: 12.444 min Scan# 1516

Delta R.T. -0.008 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

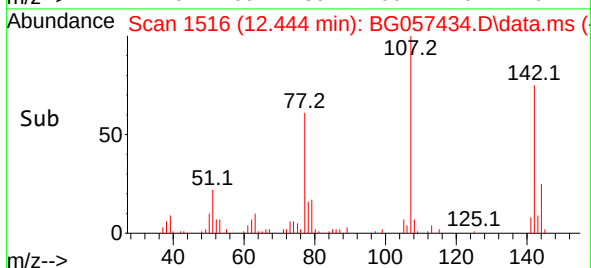
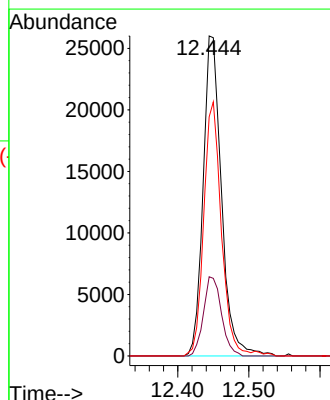
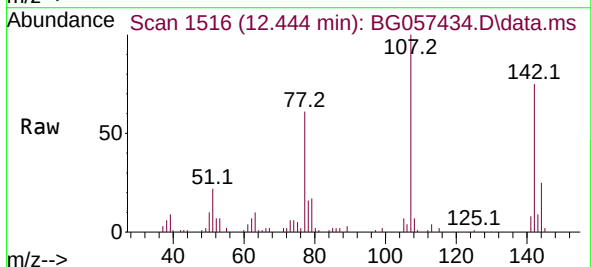
Tgt Ion:107 Resp: 46831

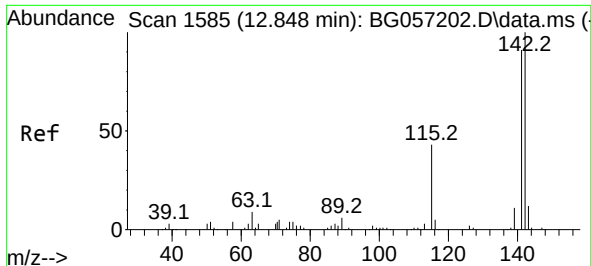
Ion Ratio Lower Upper

107 100

144 24.7 21.0 31.6

142 74.7 60.0 90.0

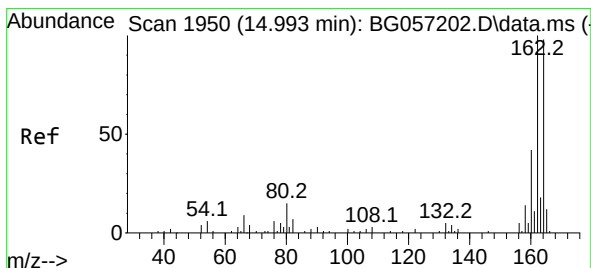
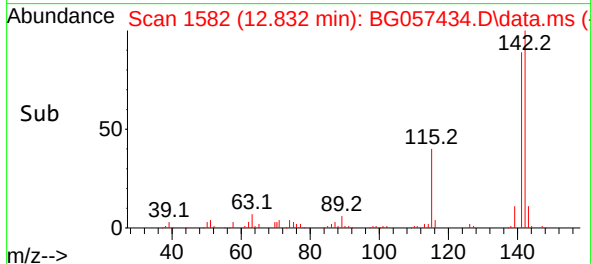
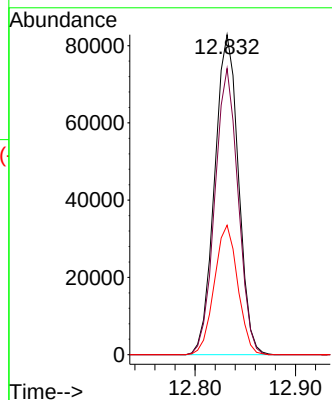
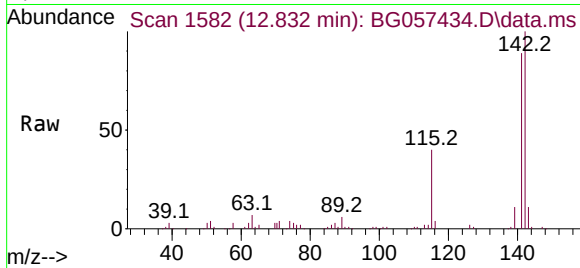




#37
2-Methylnaphthalene
Concen: 53.298 ng
RT: 12.832 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

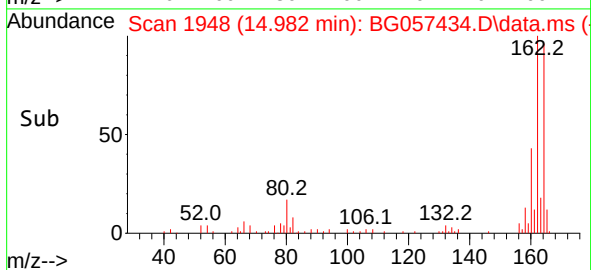
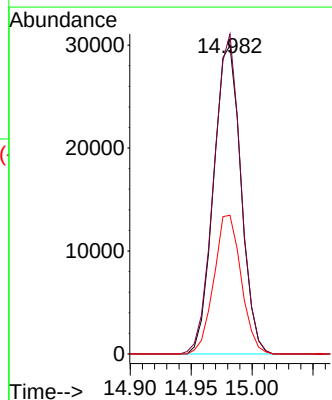
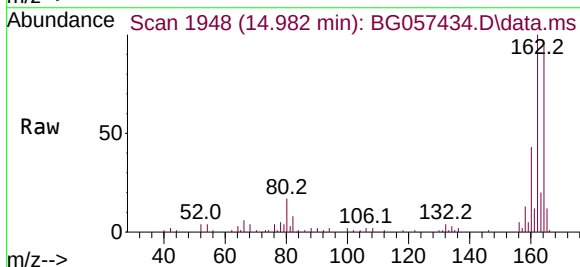
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ClientSampleId :
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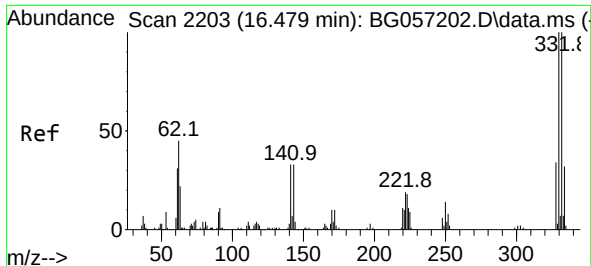
Tgt Ion:142 Resp: 136654
Ion Ratio Lower Upper
142 100
141 89.4 73.1 109.7
115 40.5 34.6 52.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.982 min Scan# 1948
Delta R.T. 0.004 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:164 Resp: 46802
Ion Ratio Lower Upper
164 100
162 103.7 81.8 122.6
160 45.0 34.6 52.0

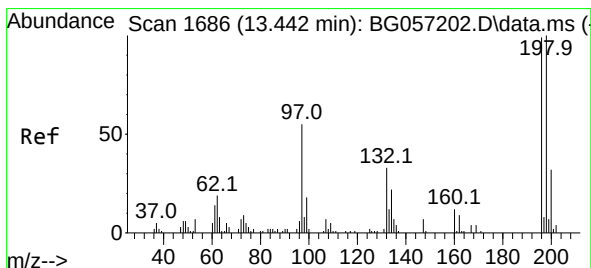
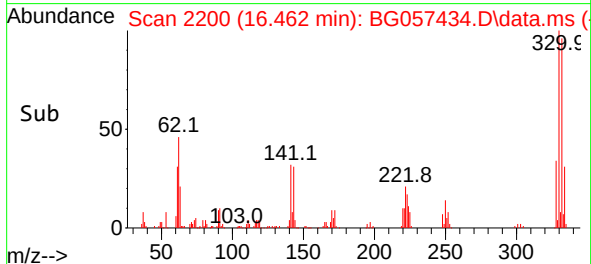
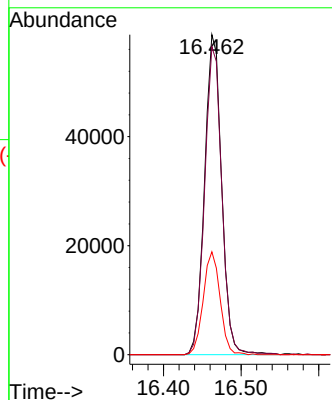
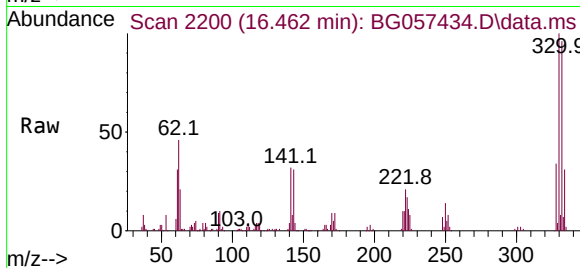




#42
2,4,6-Tribromophenol
Concen: 134.919 ng
RT: 16.462 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

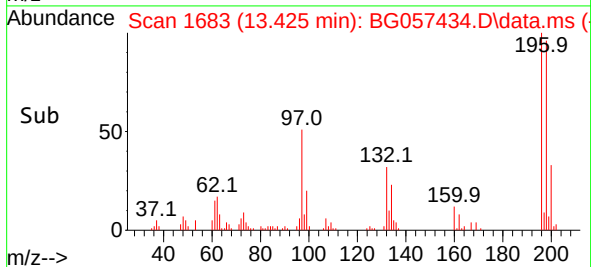
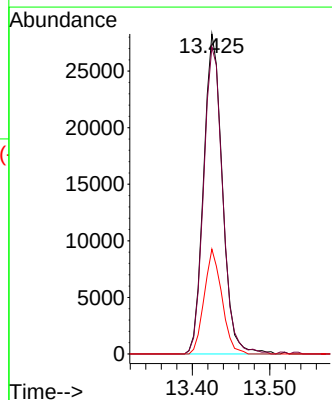
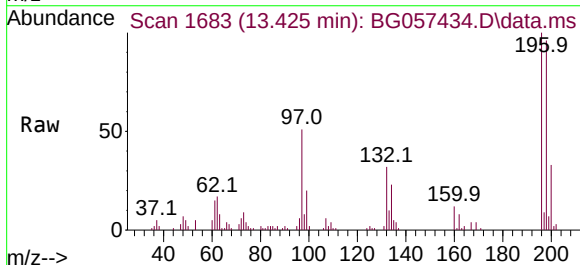
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

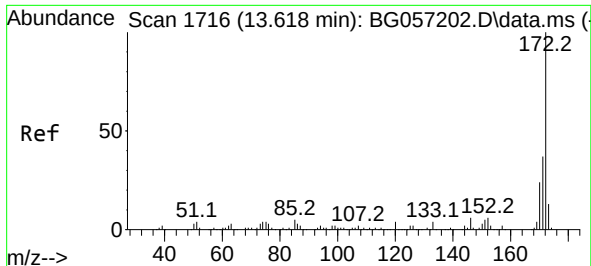
Tgt Ion:330 Resp: 89596
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.2
141 31.7 27.8 41.8



#43
2,4,6-Trichlorophenol
Concen: 47.002 ng
RT: 13.425 min Scan# 1683
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:196 Resp: 47578
Ion Ratio Lower Upper
196 100
198 95.9 81.2 121.8
200 32.7 26.3 39.5

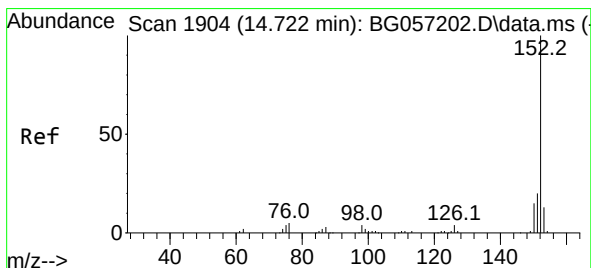
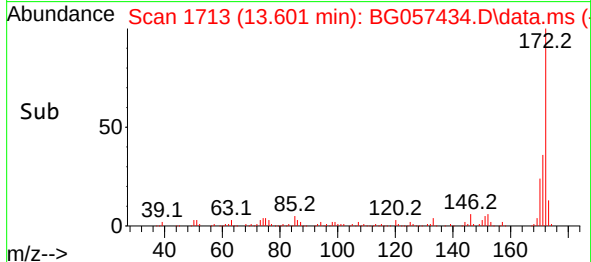
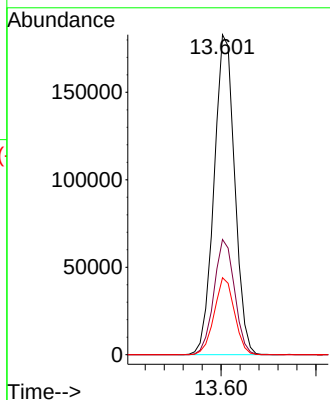
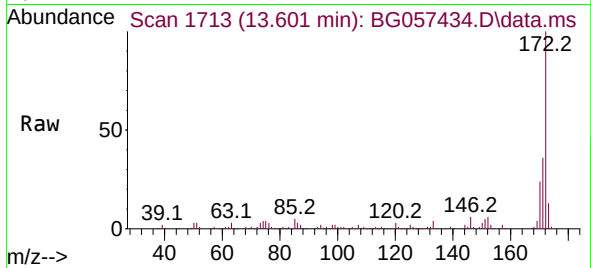




#45
2-Fluorobiphenyl
Concen: 79.532 ng
RT: 13.601 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

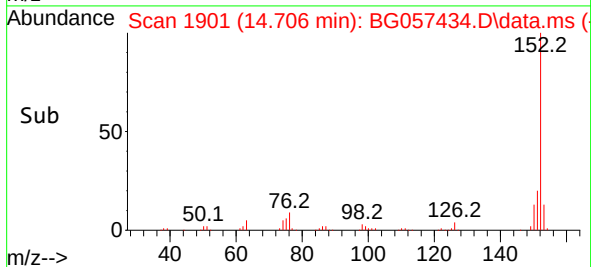
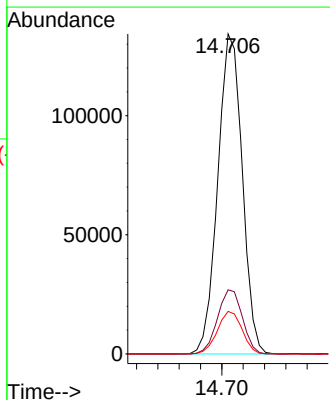
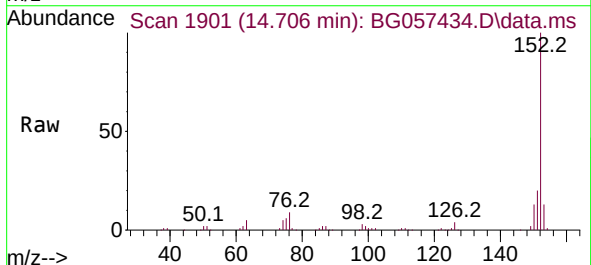
Instrument :
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ClientSampleId :
PT-BNA-SOIL

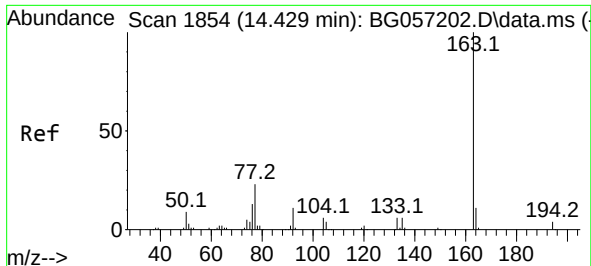
Tgt Ion:172 Resp: 276377
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 24.1 19.0 28.6



#49
Acenaphthylene
Concen: 50.922 ng
RT: 14.706 min Scan# 1901
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:152 Resp: 213649
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.3 10.7 16.1

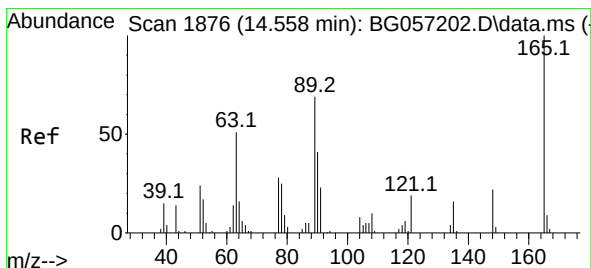
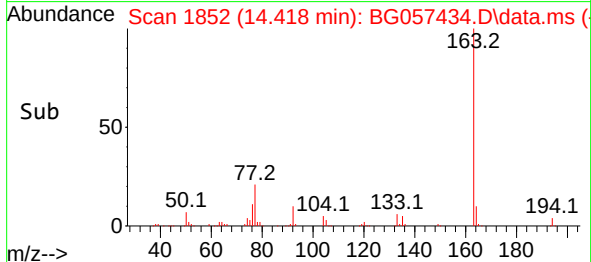
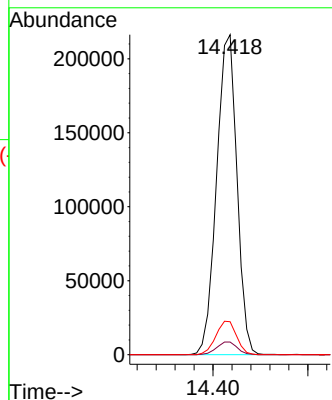
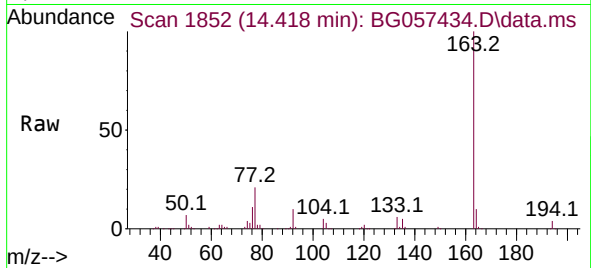




#50
Dimethylphthalate
Concen: 83.847 ng
RT: 14.418 min Scan# 1852
Delta R.T. 0.004 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

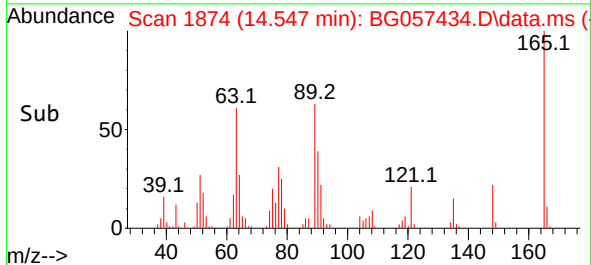
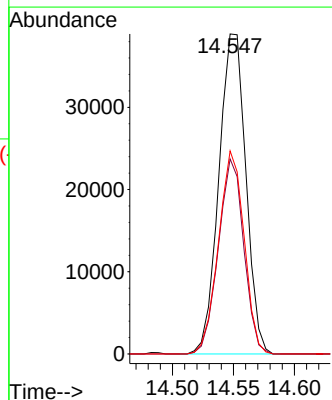
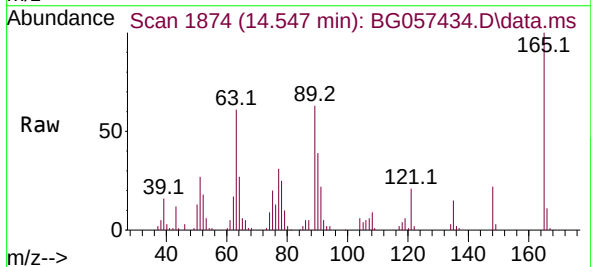
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

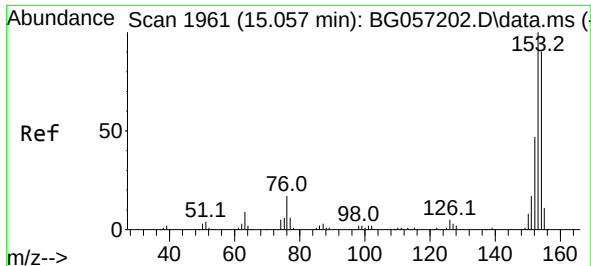
Tgt Ion:163 Resp: 322475
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 10.3 8.8 13.2



#51
2,6-Dinitrotoluene
Concen: 76.502 ng
RT: 14.547 min Scan# 1874
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:165 Resp: 60073
Ion Ratio Lower Upper
165 100
63 61.0 50.9 76.3
89 63.5 55.2 82.8

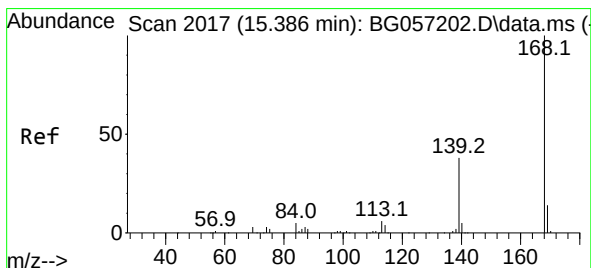
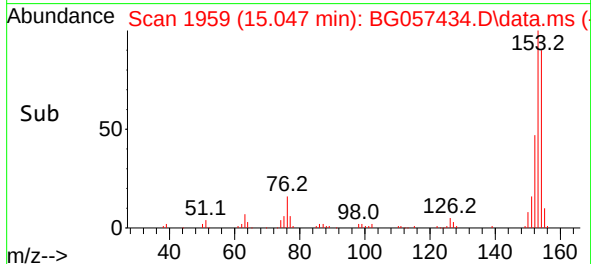
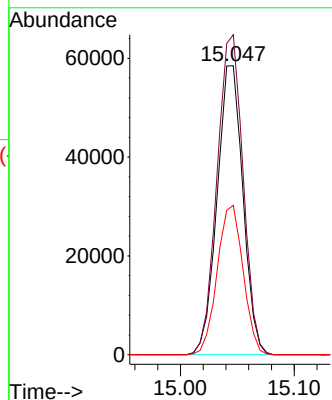
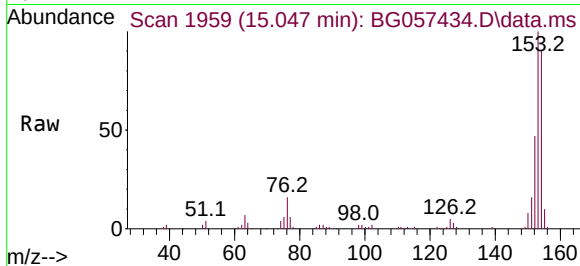




#52
Acenaphthene
Concen: 35.228 ng
RT: 15.047 min Scan# 1961
Delta R.T. 0.004 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

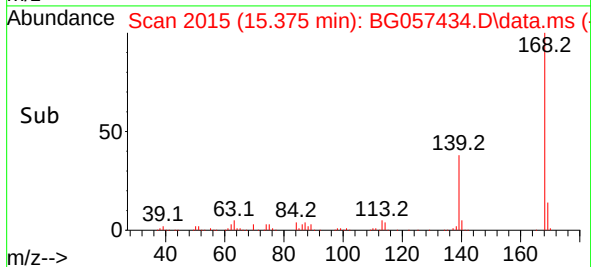
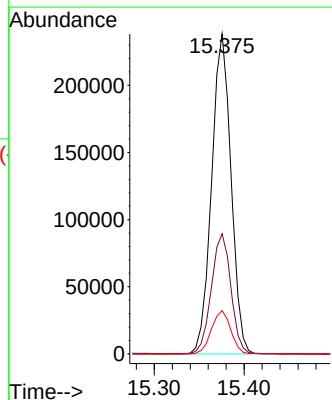
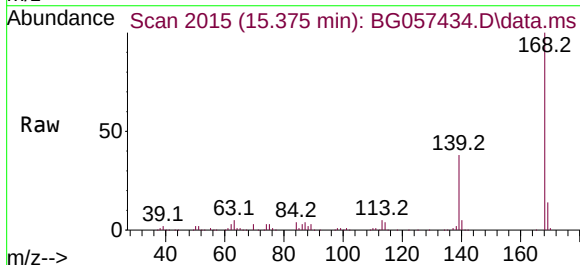
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

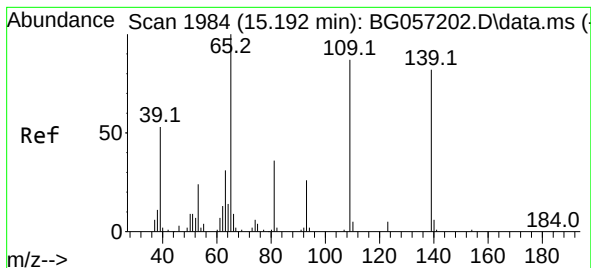
Tgt Ion:154 Resp: 92360
Ion Ratio Lower Upper
154 100
153 110.7 89.3 133.9
152 51.7 41.7 62.5



#55
Dibenzofuran
Concen: 81.096 ng
RT: 15.375 min Scan# 2015
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:168 Resp: 357230
Ion Ratio Lower Upper
168 100
139 37.5 30.7 46.1
169 13.6 10.9 16.3

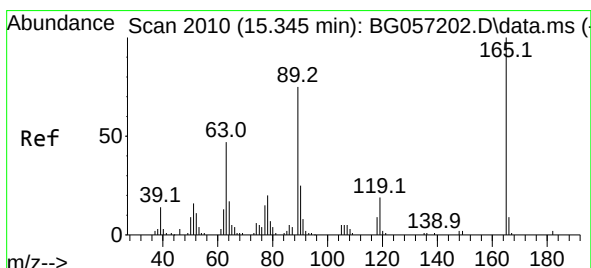
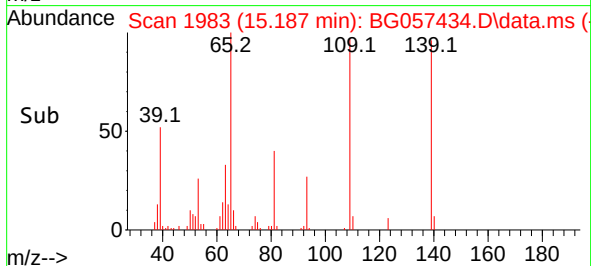
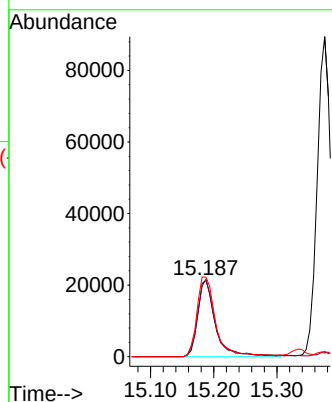
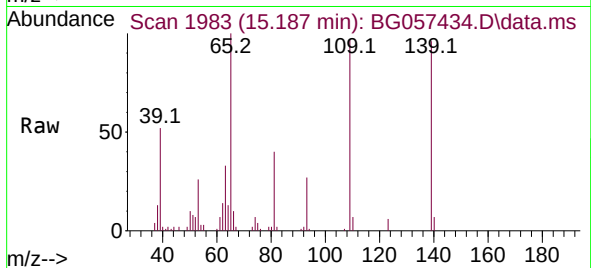




#56
4-Nitrophenol
Concen: 79.854 ng
RT: 15.187 min Scan# 1984
Delta R.T. 0.004 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

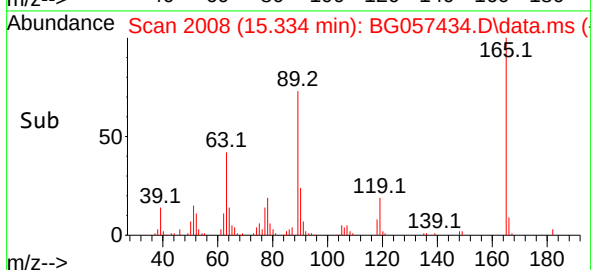
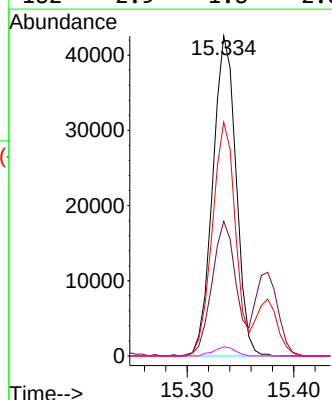
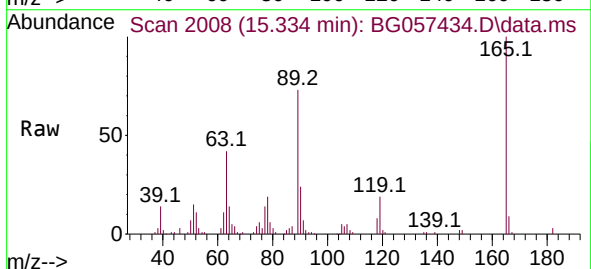
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

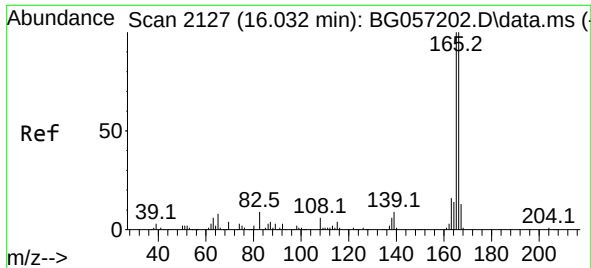
Tgt Ion:139 Resp: 41781
Ion Ratio Lower Upper
139 100
109 100.8 86.6 126.6
65 103.8 102.6 142.6



#57
2,4-Dinitrotoluene
Concen: 57.368 ng
RT: 15.334 min Scan# 2008
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:165 Resp: 64381
Ion Ratio Lower Upper
165 100
63 42.1 37.5 56.3
89 73.1 60.2 90.4
182 2.9 1.8 2.8#

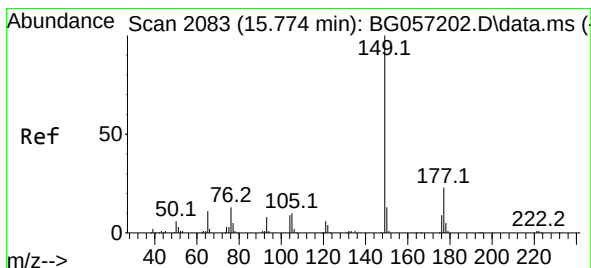
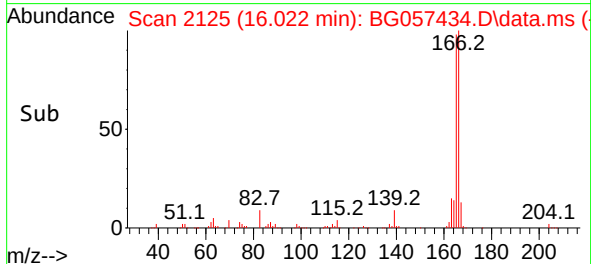
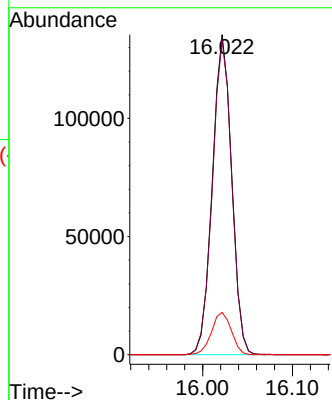
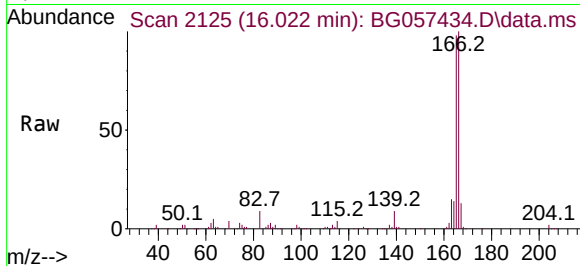




#58
 Fluorene
 Concen: 55.479 ng
 RT: 16.022 min Scan# 2127
 Delta R.T. -0.002 min
 Lab File: BG057434.D
 Acq: 15 May 2023 13:25

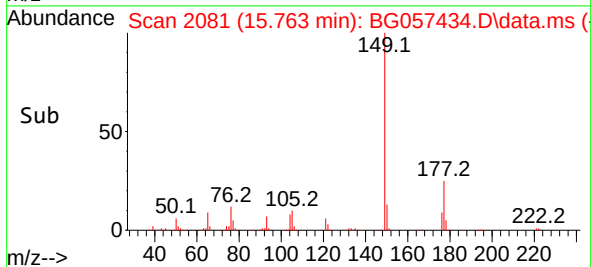
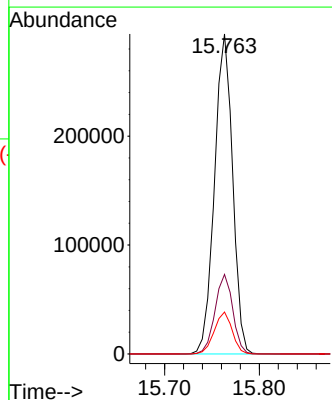
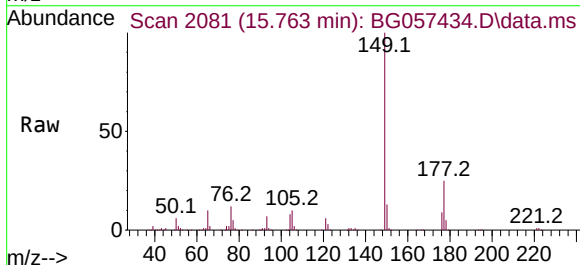
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 PT-BNA-SOIL

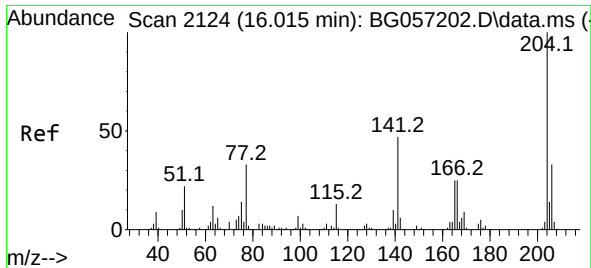
Tgt Ion:166 Resp: 201301
 Ion Ratio Lower Upper
 166 100
 165 98.2 80.1 120.1
 167 13.2 10.2 15.2



#60
 Diethylphthalate
 Concen: 99.663 ng
 RT: 15.763 min Scan# 2081
 Delta R.T. 0.004 min
 Lab File: BG057434.D
 Acq: 15 May 2023 13:25

Tgt Ion:149 Resp: 389257
 Ion Ratio Lower Upper
 149 100
 177 24.9 18.3 27.5
 150 13.1 10.1 15.1

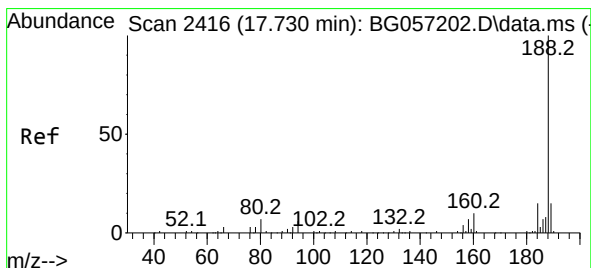
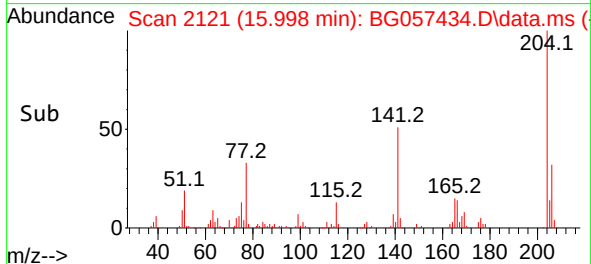
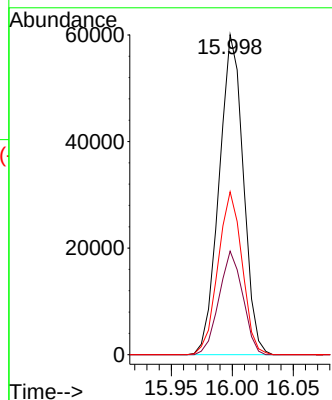
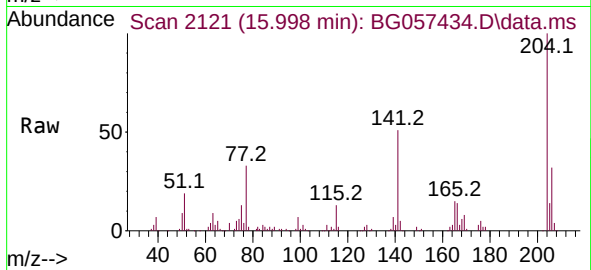




#61
4-Chlorophenyl-phenylether
Concen: 37.962 ng
RT: 15.998 min Scan# 2124
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

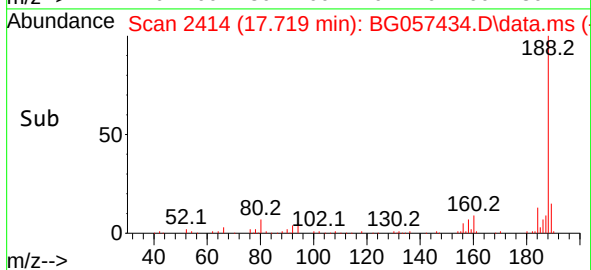
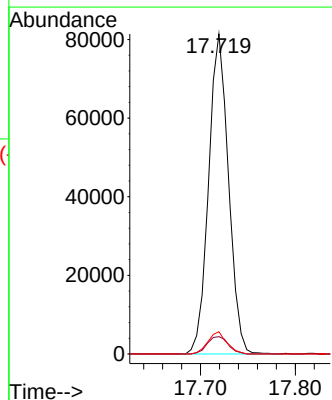
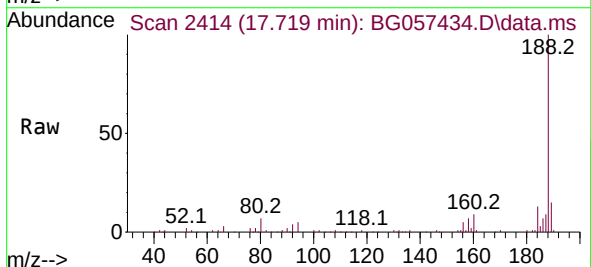
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

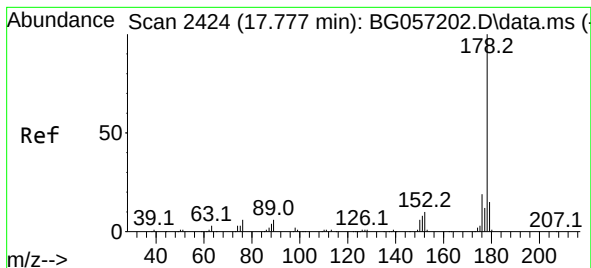
Tgt Ion:204 Resp: 82979
Ion Ratio Lower Upper
204 100
206 32.4 26.5 39.7
141 50.9 37.4 56.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.719 min Scan# 2414
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:188 Resp: 118342
Ion Ratio Lower Upper
188 100
94 5.4 5.1 7.7
80 7.0 5.7 8.5





#71

Phenanthrene

Concen: 37.598 ng

RT: 17.760 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG057434.D

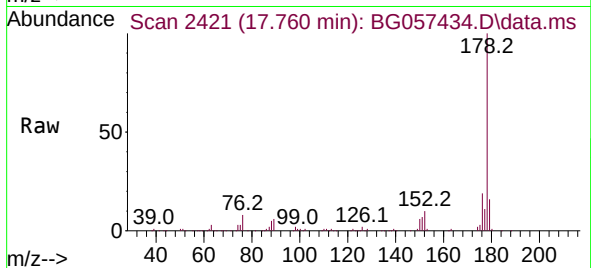
Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL



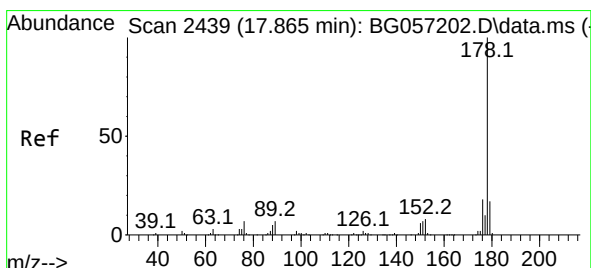
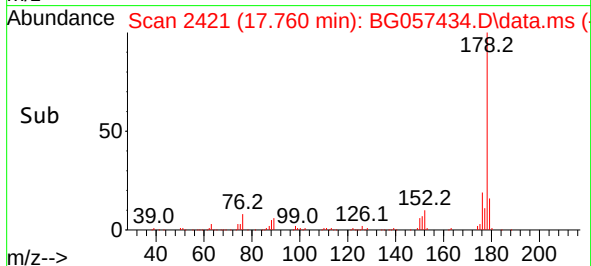
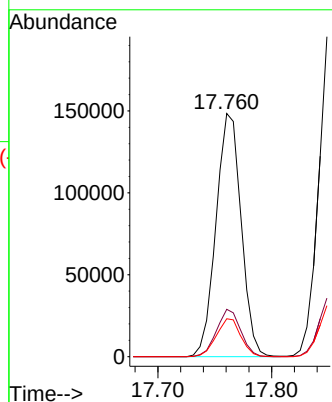
Tgt Ion:178 Resp: 227996

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.6 12.3 18.5



#72

Anthracene

Concen: 54.535 ng

RT: 17.854 min Scan# 2437

Delta R.T. 0.004 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

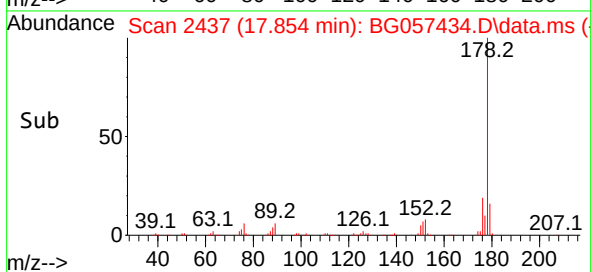
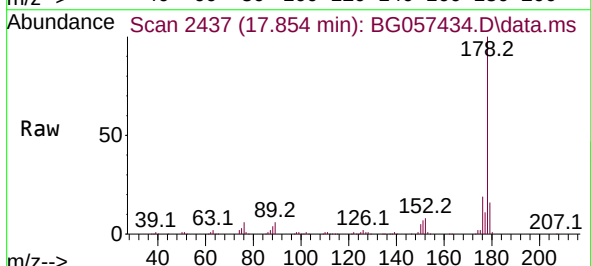
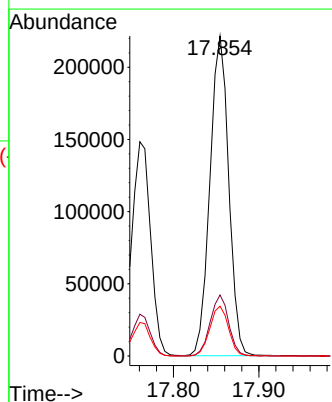
Tgt Ion:178 Resp: 339328

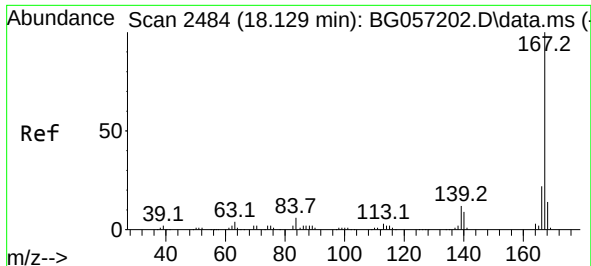
Ion Ratio Lower Upper

178 100

176 19.1 14.7 22.1

179 15.6 13.2 19.8

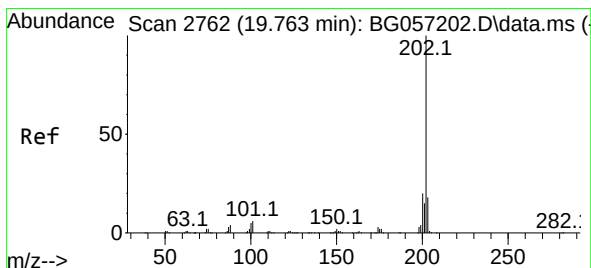
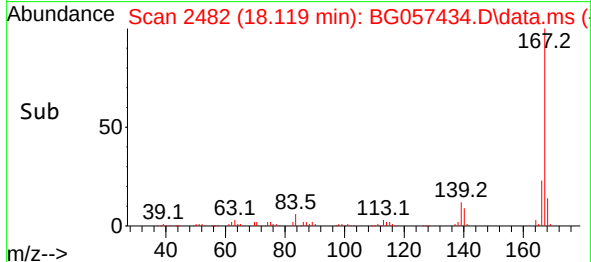
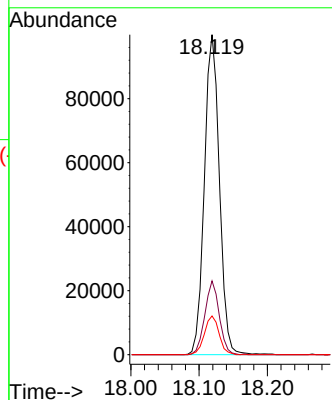
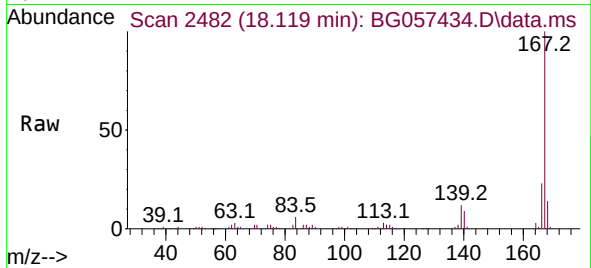




#73
 Carbazole
 Concen: 29.233 ng
 RT: 18.119 min Scan# 2482
 Delta R.T. -0.002 min
 Lab File: BG057434.D
 Acq: 15 May 2023 13:25

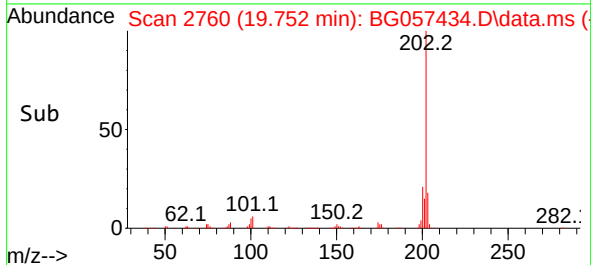
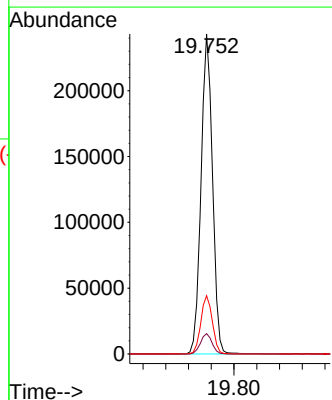
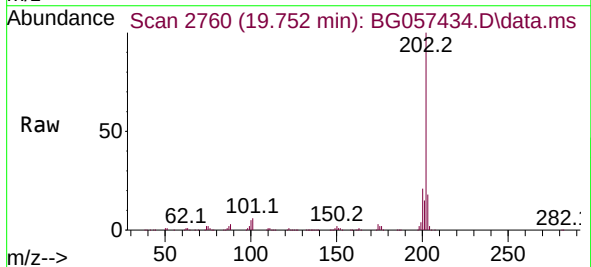
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

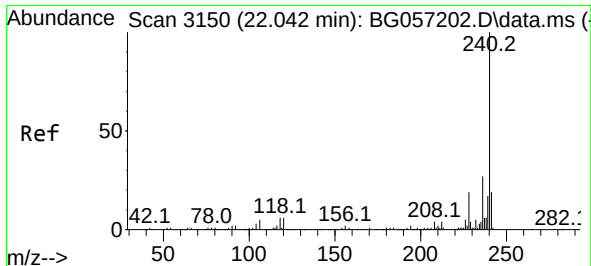
Tgt Ion:167 Resp: 153131
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.4 26.0
 139 12.1 9.6 14.4



#75
 Fluoranthene
 Concen: 45.068 ng
 RT: 19.752 min Scan# 2760
 Delta R.T. -0.002 min
 Lab File: BG057434.D
 Acq: 15 May 2023 13:25

Tgt Ion:202 Resp: 339908
 Ion Ratio Lower Upper
 202 100
 101 6.3 0.0 26.2
 203 18.2 0.0 37.9

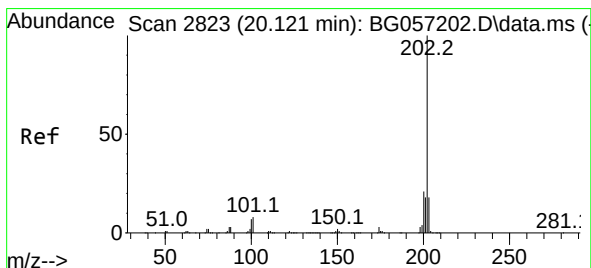
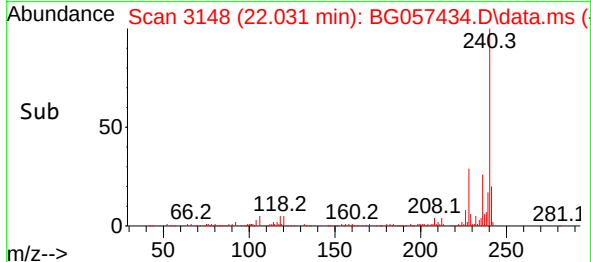
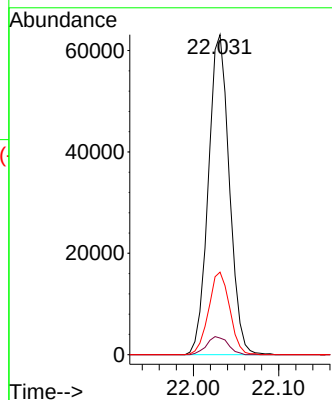
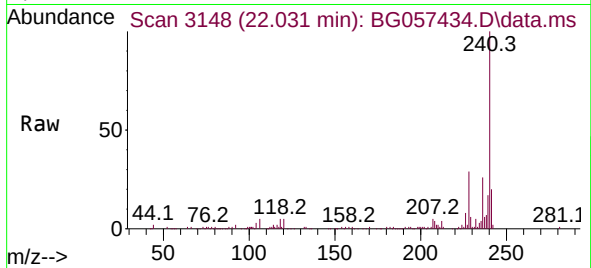




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.031 min Scan# 3150
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

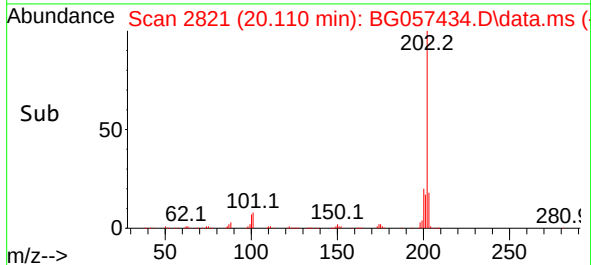
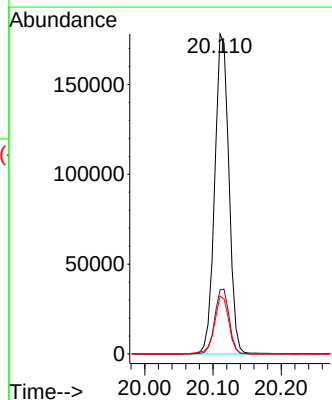
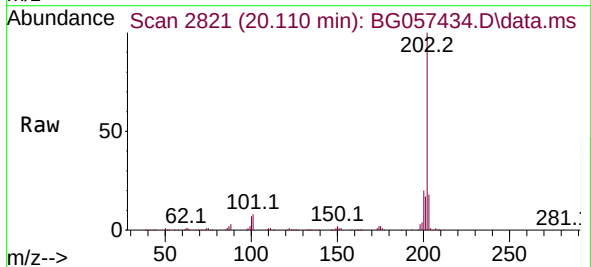
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

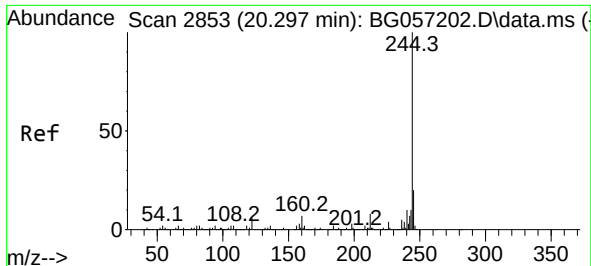
Tgt Ion:240 Resp: 107954
Ion Ratio Lower Upper
240 100
120 5.2 4.9 7.3
236 25.8 21.4 32.2



#78
Pyrene
Concen: 32.827 ng
RT: 20.110 min Scan# 2821
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:202 Resp: 257517
Ion Ratio Lower Upper
202 100
200 20.0 17.0 25.4
203 18.1 14.2 21.4

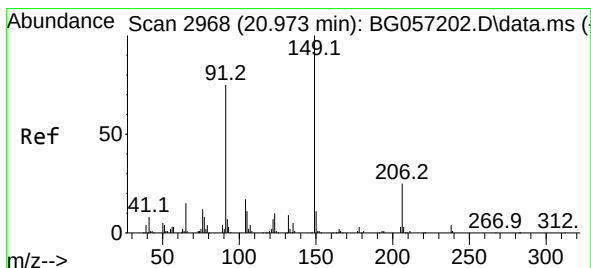
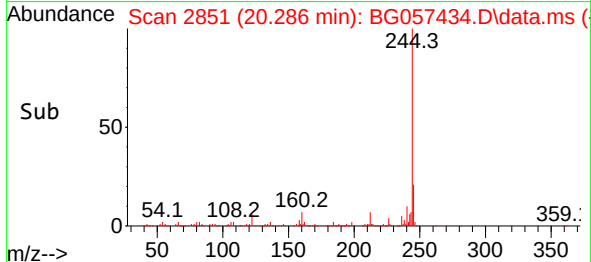
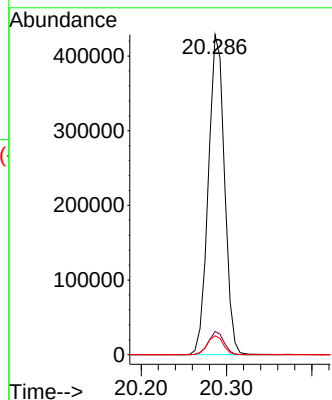
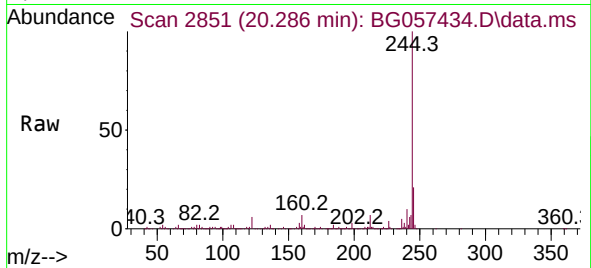




#79
 Terphenyl-d14
 Concen: 85.201 ng
 RT: 20.286 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG057434.D
 Acq: 15 May 2023 13:25

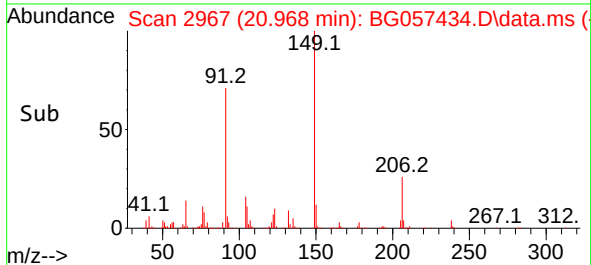
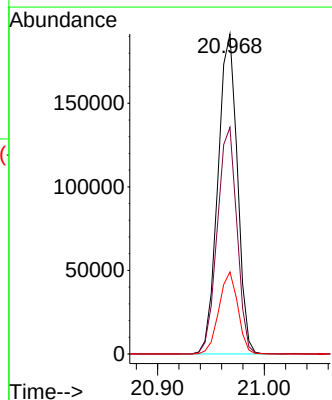
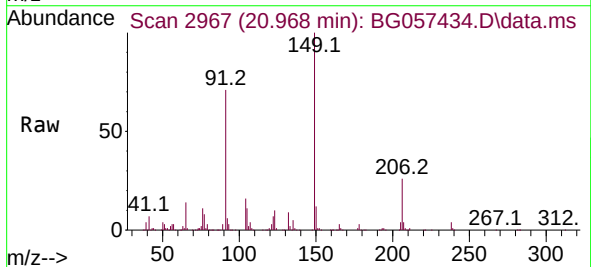
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

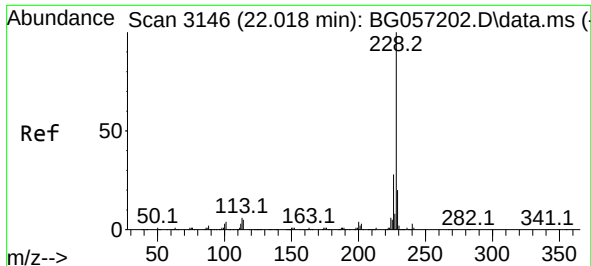
Tgt Ion:244 Resp: 563618
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 5.9 5.1 7.7



#80
 Butylbenzylphthalate
 Concen: 97.314 ng
 RT: 20.968 min Scan# 2967
 Delta R.T. 0.004 min
 Lab File: BG057434.D
 Acq: 15 May 2023 13:25

Tgt Ion:149 Resp: 242218
 Ion Ratio Lower Upper
 149 100
 91 70.8 59.7 89.5
 206 25.7 19.7 29.5

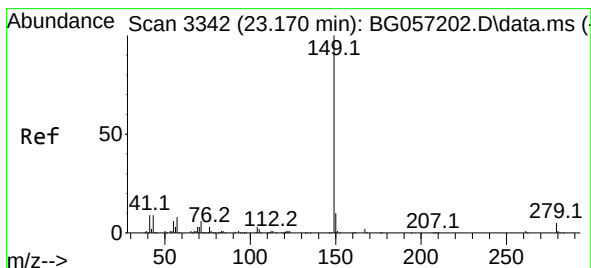
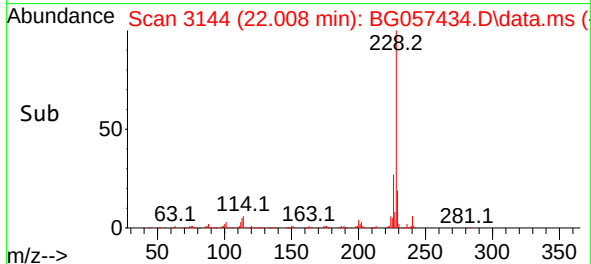
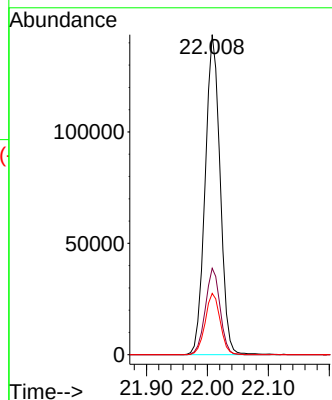
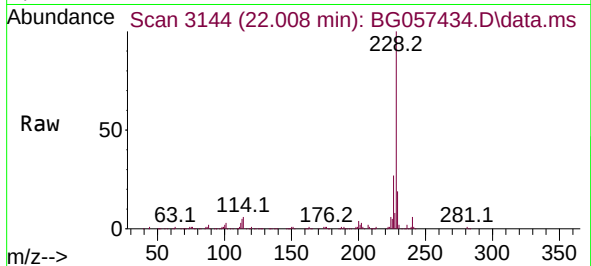




#81
Benzo(a)anthracene
Concen: 31.854 ng
RT: 22.008 min Scan# 3146
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

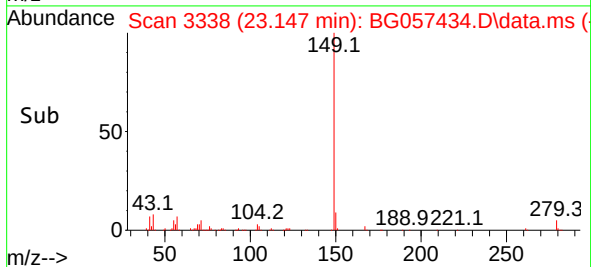
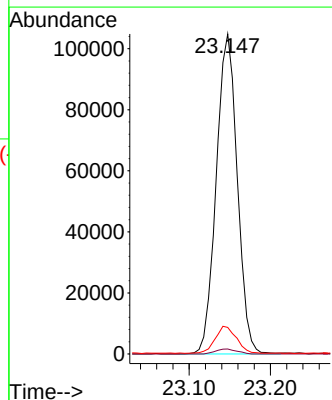
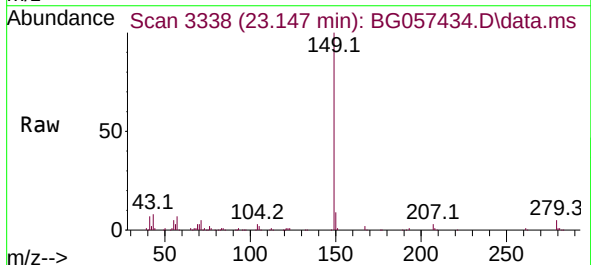
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

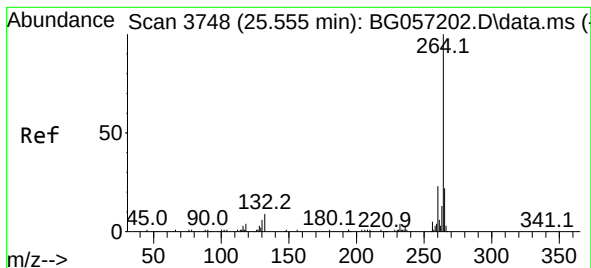
Tgt Ion:228 Resp: 244998
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 19.2 15.8 23.8



#85
Di-n-octyl phthalate
Concen: 30.716 ng
RT: 23.147 min Scan# 3338
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:149 Resp: 188582
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.5 7.8 11.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.538 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

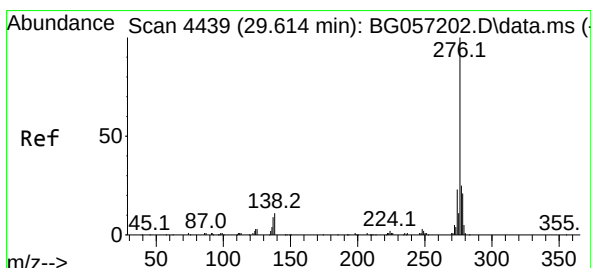
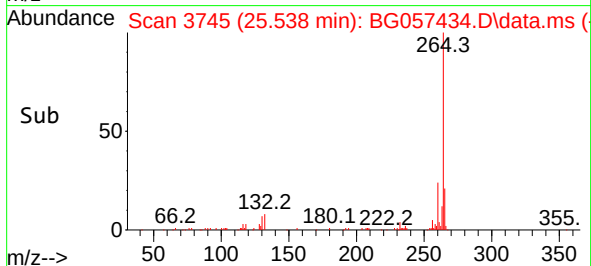
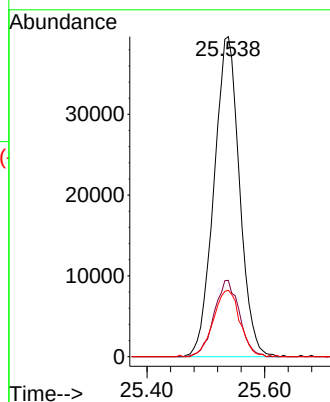
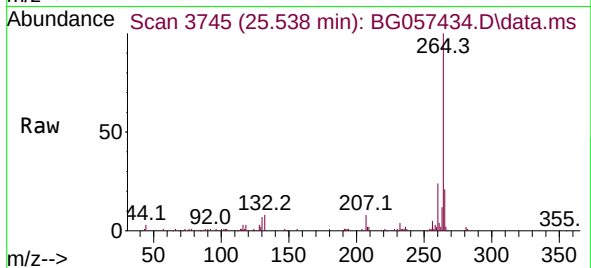
Tgt Ion:264 Resp: 119202

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 20.7 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 51.159 ng

RT: 29.592 min Scan# 4435

Delta R.T. -0.008 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

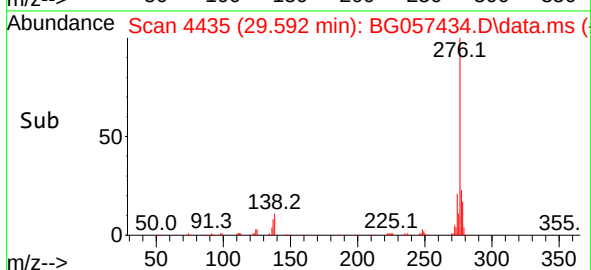
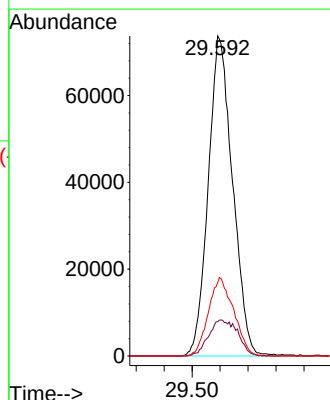
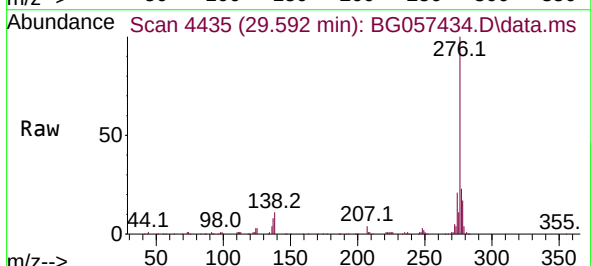
Tgt Ion:276 Resp: 444448

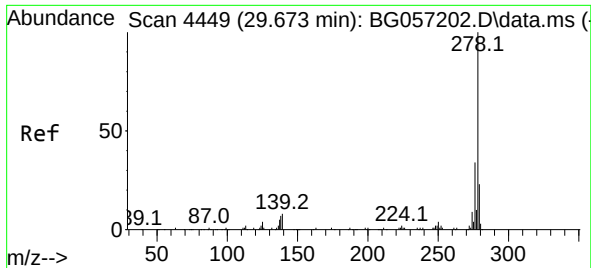
Ion Ratio Lower Upper

276 100

138 13.4 5.4 8.0#

277 25.5 20.6 30.8

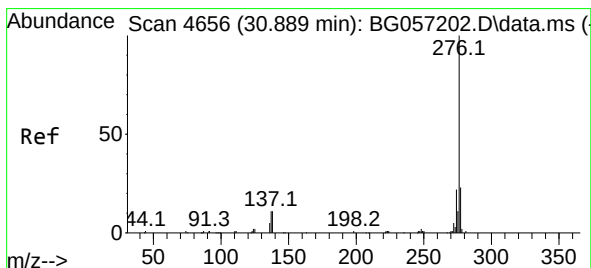
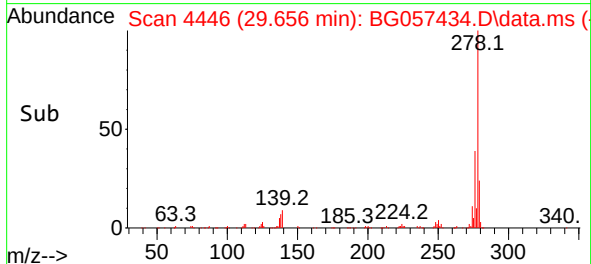
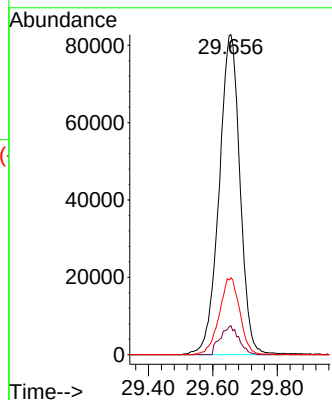
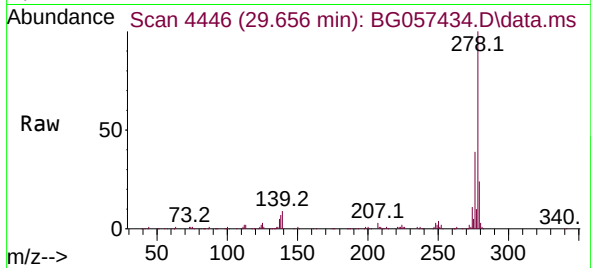




#91
Dibenzo(a,h)anthracene
Concen: 51.531 ng
RT: 29.656 min Scan# 4446
Delta R.T. 0.004 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:278 Resp: 372824
Ion Ratio Lower Upper
278 100
139 9.1 6.2 9.2
279 24.0 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 28.369 ng
RT: 30.866 min Scan# 4652
Delta R.T. -0.008 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:276 Resp: 200413
Ion Ratio Lower Upper
276 100
277 23.3 18.4 27.6
138 12.2 9.0 13.4

