

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
9) Benzaldehyde	7.521	77	800	Below Cal	#	4
10) Phenol	7.533	94	48066	38.248	ng	94
12) 1,3-Dichlorobenzene	8.250	146	67918	68.600	ng	97
13) 1,4-Dichlorobenzene	8.250	146	67918	68.294	ng	96
14) 1,2-Dichlorobenzene	8.726	146	84868	88.399	ng	97
18) Hexachloroethane	9.460	117	15191	42.328	ng	95
19) n-Nitroso-di-n-propyla...	9.542	70	14350	14.598	ng	# 81
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
27) 2,4-Dimethylphenol	10.306	122	2500	2.543	ng	# 1
28) bis(2-Chloroethoxy)met...	10.576	93	70231	49.744	ng	99
31) Naphthalene	11.252	128	139645	42.822	ng	99
32) Benzoic acid	10.306	122	2500	8.693	ng	# 8
33) 4-Chloroaniline	11.258	127	19063	13.017	ng	# 39
34) Hexachlorobutadiene	11.522	225	42719	47.866	ng	96
35) Caprolactam	12.444	113	1415	3.972	ng	# 6
36) 4-Chloro-3-methylphenol	12.444	107	46831	39.518	ng	99
37) 2-Methylnaphthalene	12.832	142	136654	53.298	ng	97
38) 1-Methylnaphthalene	12.832	142	136654	56.546	ng	99
43) 2,4,6-Trichlorophenol	13.425	196	47578	47.002	ng	96
44) 2,4,5-Trichlorophenol	13.425	196	47578	39.958	ng	# 93
48) 2-Nitroaniline	14.412	65	3043	3.465	ng	# 1
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
53) 3-Nitroaniline	15.375	138	5316	6.758	ng	# 2
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
62) 4-Nitroaniline	16.022	138	2609	3.287	ng	# 2
63) Azobenzene	16.315	77	37921	10.063	ng	# 1

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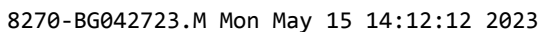
Quant Time: May 15 14:01:38 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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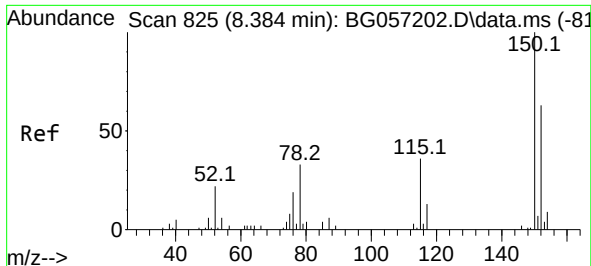
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

66) n-Nitrosodiphenylamine	15.998	169	7462	2.322	ng	95
67) 4-Bromophenyl-phenylether	16.462	248	5991	4.147	ng #	1
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
77) Benzidine	20.286	184	8692	3.601	ng #	90
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
83) Chrysene	22.008	228	244998	33.855	ng	96
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

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

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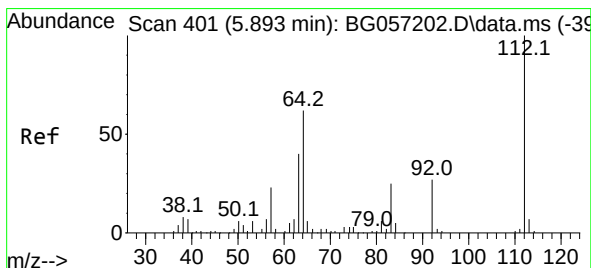
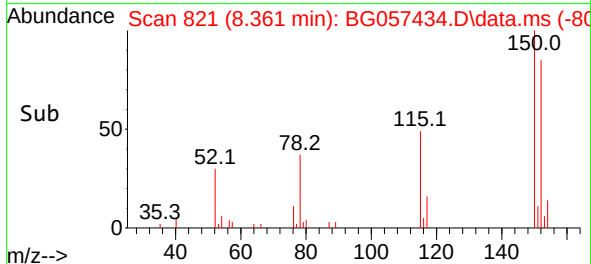
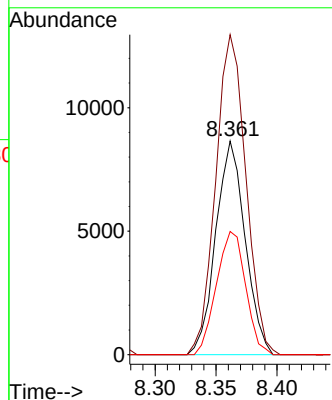
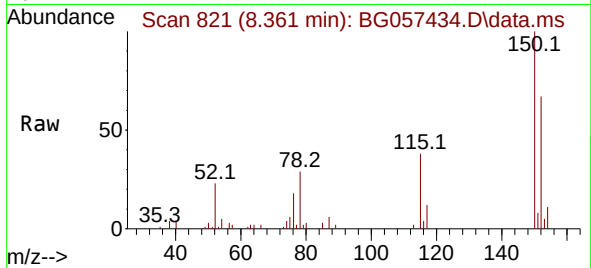




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

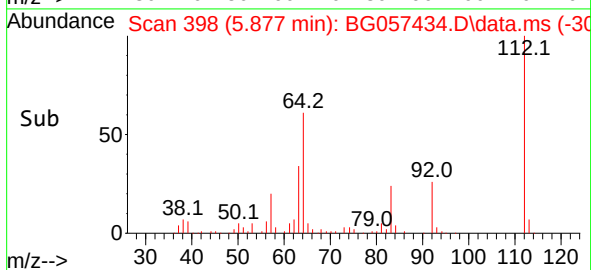
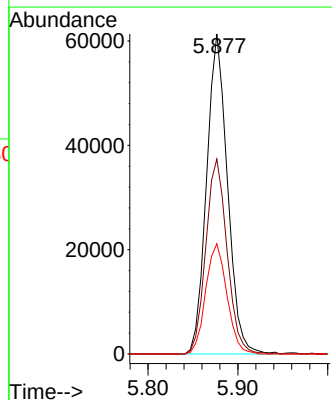
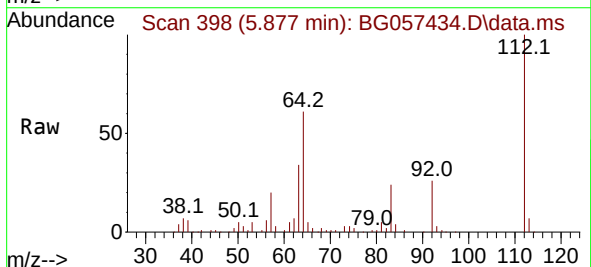
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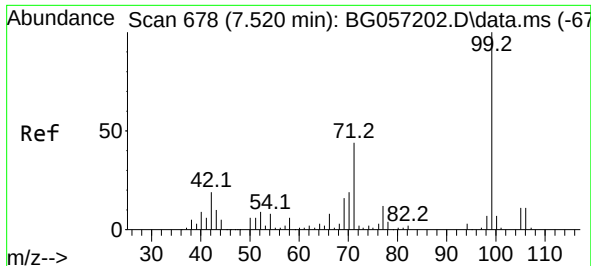
Tgt Ion:152 Resp: 14522
Ion Ratio Lower Upper
152 100
150 149.8 126.2 189.4
115 57.7 45.0 67.4



#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

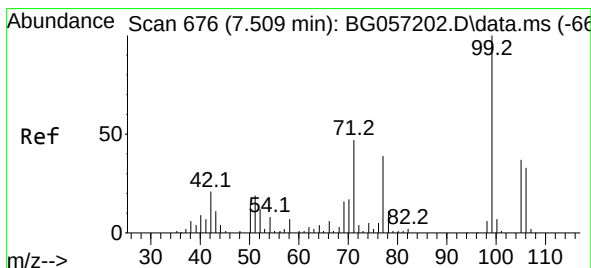
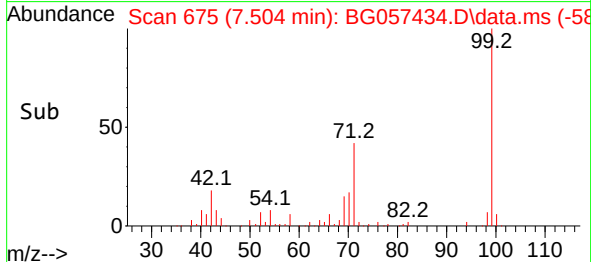
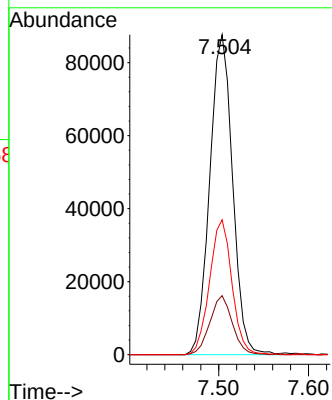
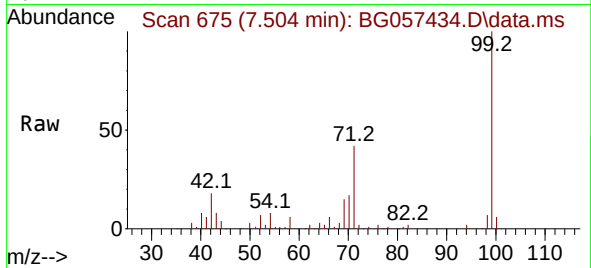




#7
Phenol-d6
Concen: 119.964 ng
RT: 7.504 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

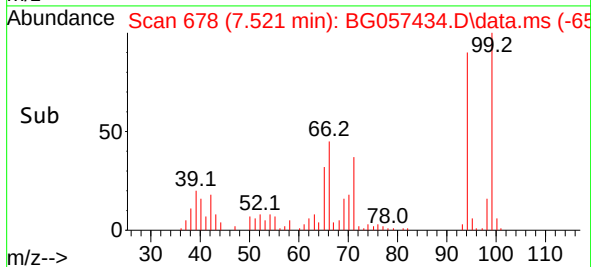
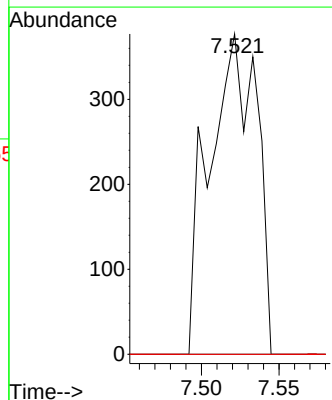
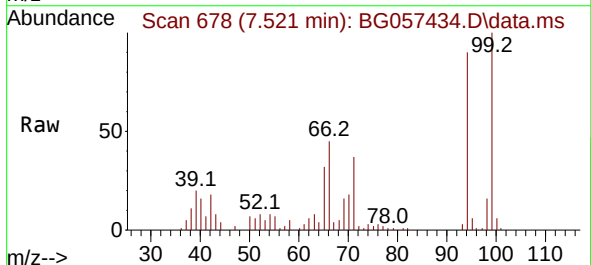
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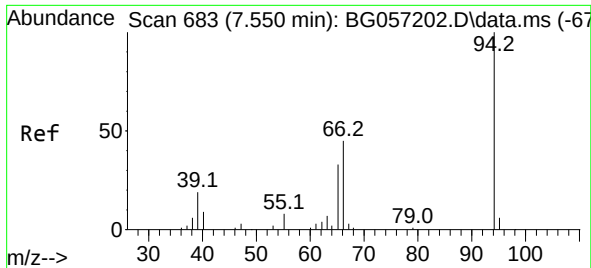
Tgt Ion: 99 Resp: 154651
Ion Ratio Lower Upper
99 100
42 18.5 15.1 22.7
71 42.2 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.521 min Scan# 678
Delta R.T. 0.033 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion: 77 Resp: 800
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

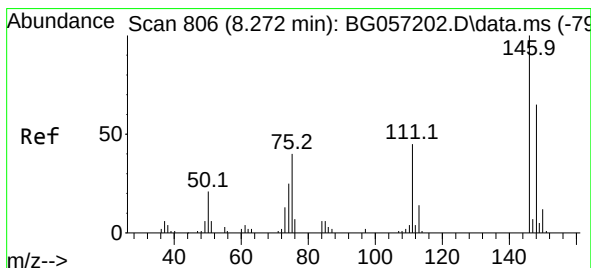
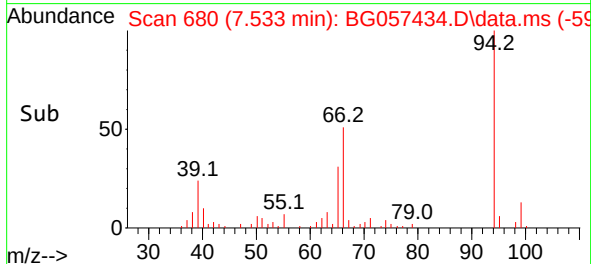
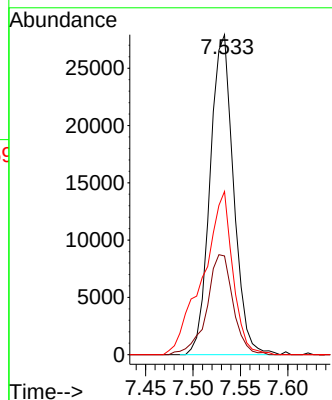
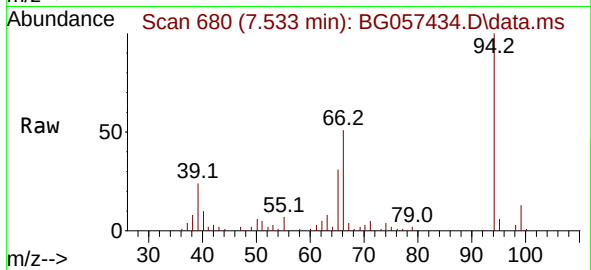




#10
Phenol
Concen: 38.248 ng
RT: 7.533 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

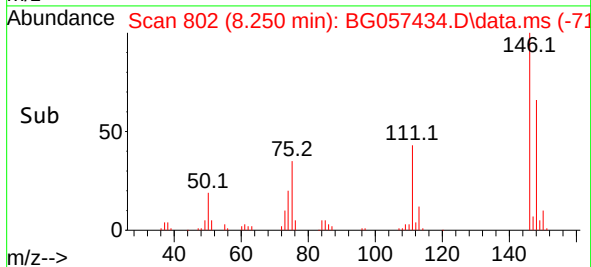
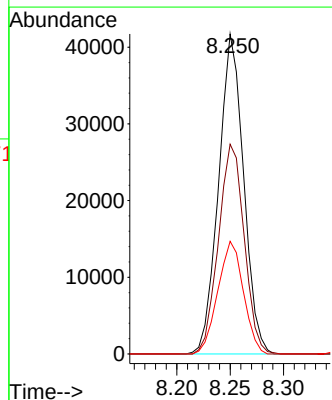
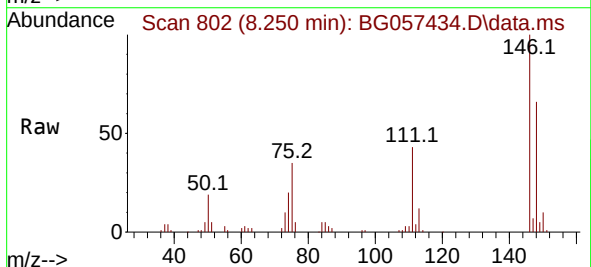
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ClientSampleId :
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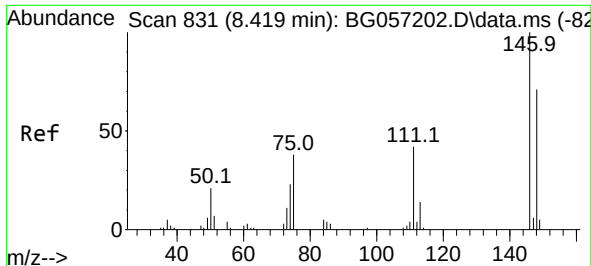
Tgt Ion: 94 Resp: 48066
Ion Ratio Lower Upper
94 100
65 30.8 13.5 53.5
66 51.0 26.7 66.7



#12
1,3-Dichlorobenzene
Concen: 68.600 ng
RT: 8.250 min Scan# 802
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

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

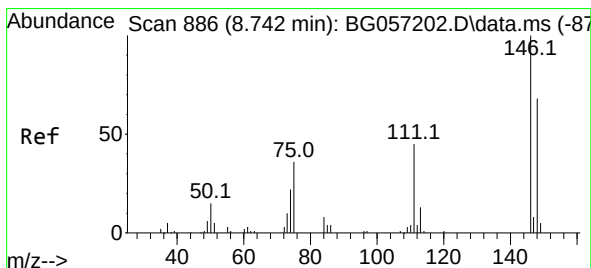
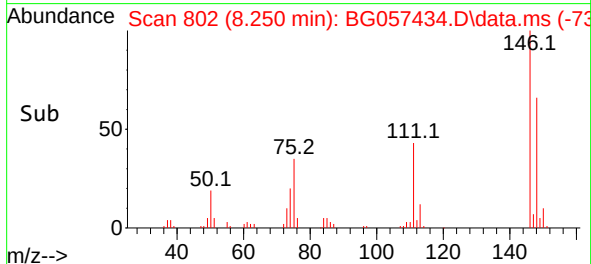
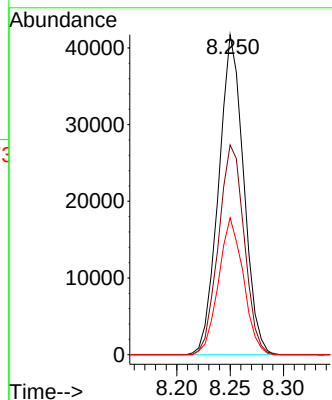
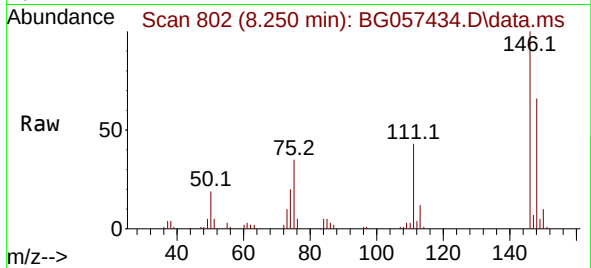




#13
1,4-Dichlorobenzene
Concen: 68.294 ng
RT: 8.250 min Scan# 801
Delta R.T. -0.149 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

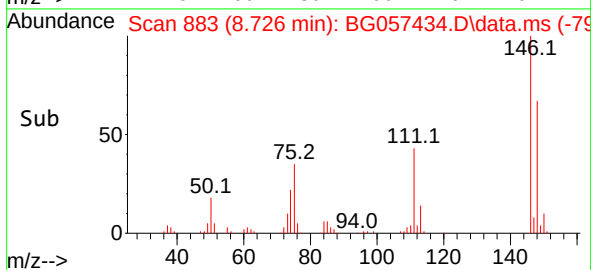
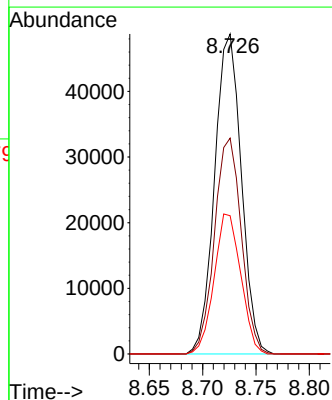
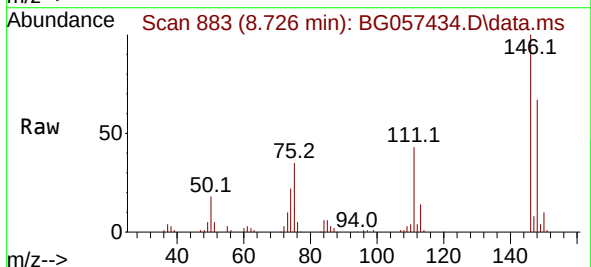
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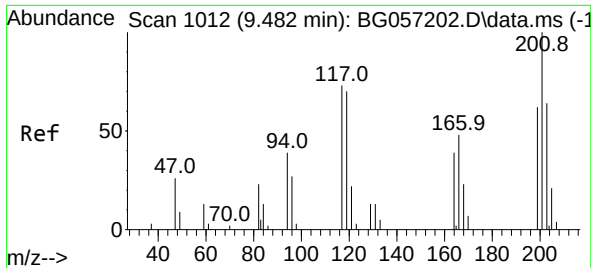
Tgt Ion:146 Resp: 67918
Ion Ratio Lower Upper
146 100
148 65.5 56.4 84.6
111 42.8 33.8 50.6



#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

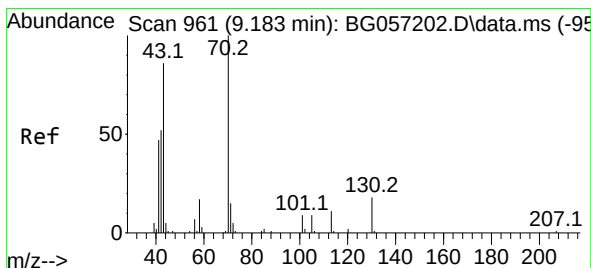
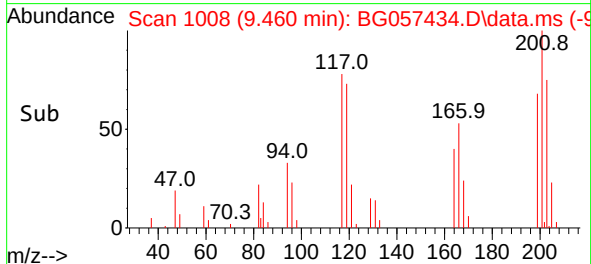
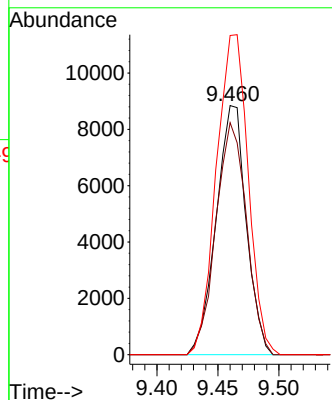
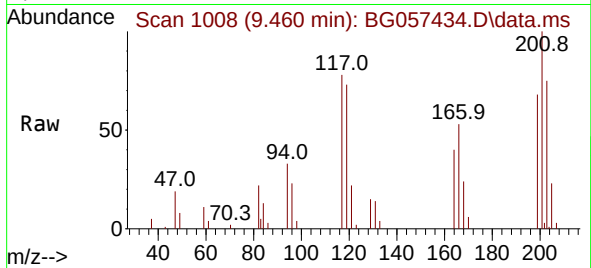




#18
Hexachloroethane
Concen: 42.328 ng
RT: 9.460 min Scan# 1008
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

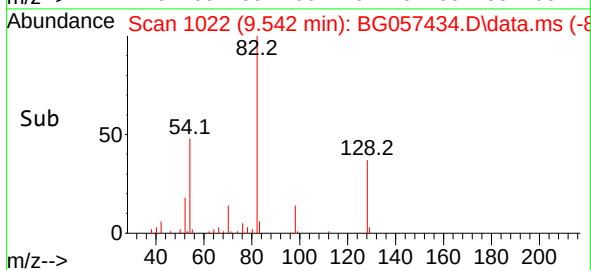
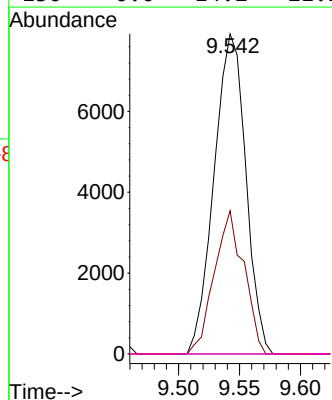
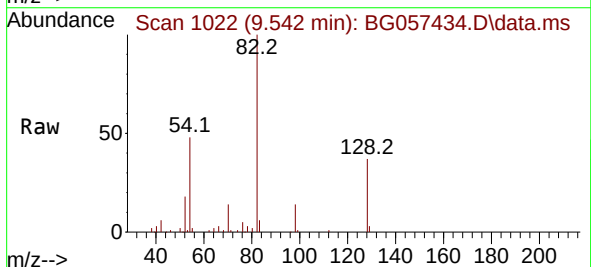
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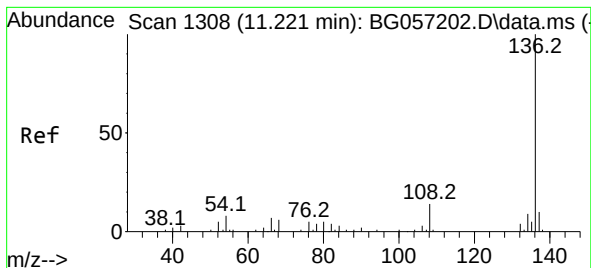
Tgt Ion:117 Resp: 15191
Ion Ratio Lower Upper
117 100
119 93.2 76.7 115.1
201 128.2 109.0 163.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.598 ng
RT: 9.542 min Scan# 1022
Delta R.T. 0.374 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion: 70 Resp: 14350
Ion Ratio Lower Upper
70 100
42 44.7 41.8 62.8
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#

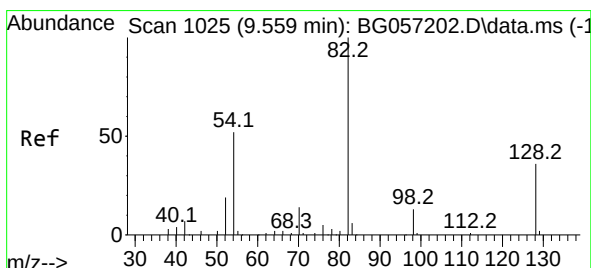
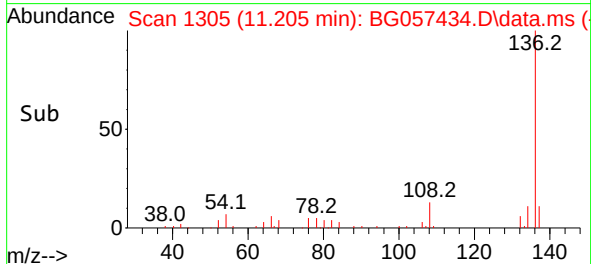
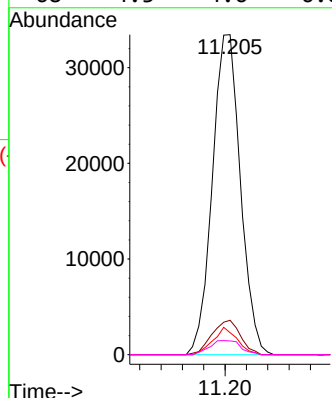
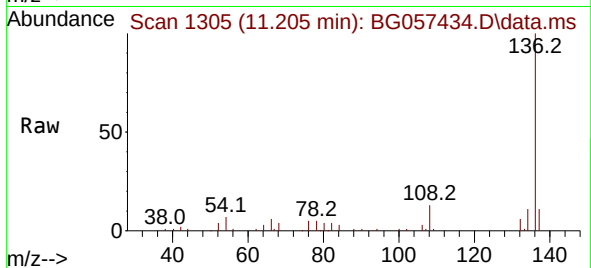




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.205 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

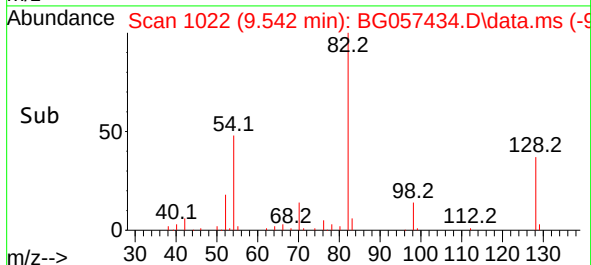
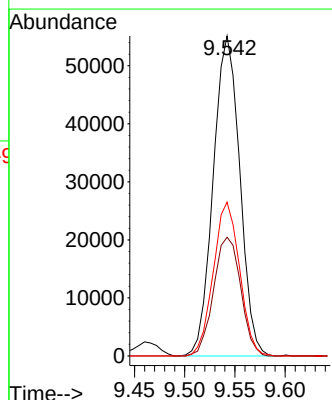
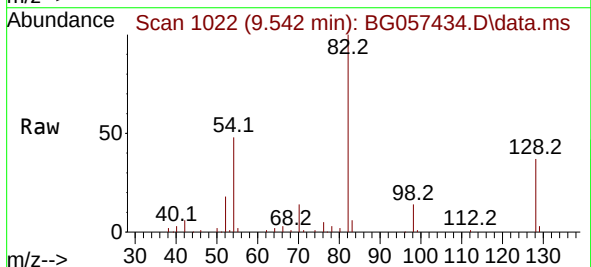
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ClientSampleId :
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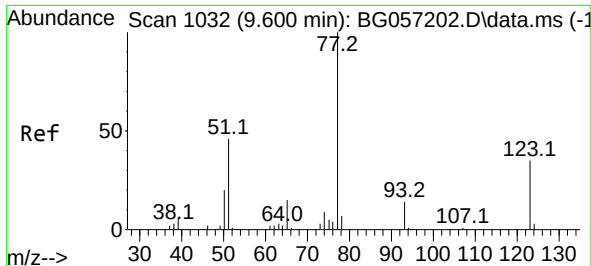
Tgt Ion:136 Resp: 60998
Ion Ratio Lower Upper
136 100
137 10.8 8.3 12.5
54 6.8 6.7 10.1
68 4.3 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 69.781 ng
RT: 9.542 min Scan# 1022
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

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

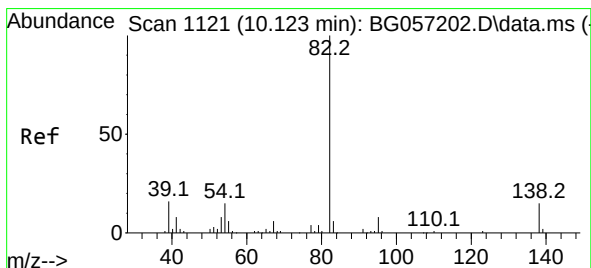
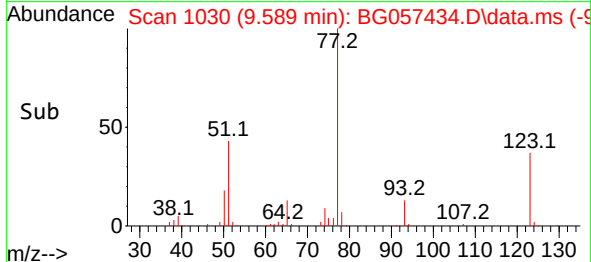
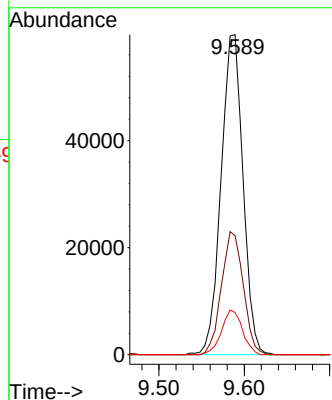
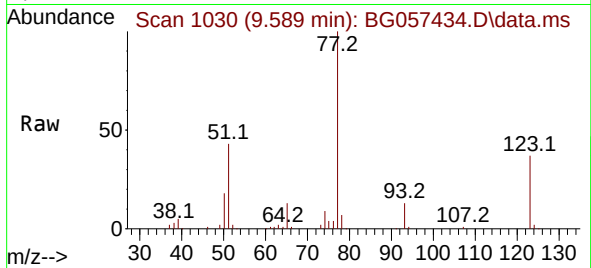




#24
Nitrobenzene
Concen: 72.918 ng
RT: 9.589 min Scan# 1030
Delta R.T. 0.004 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

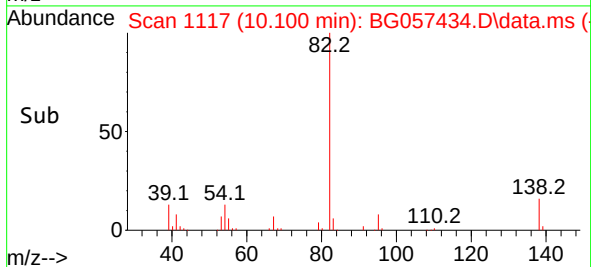
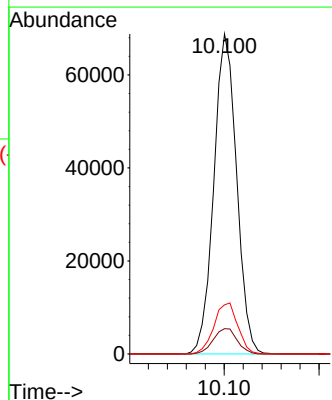
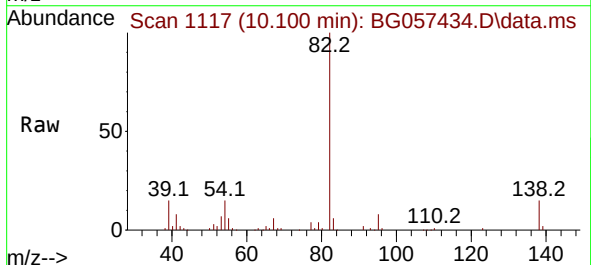
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

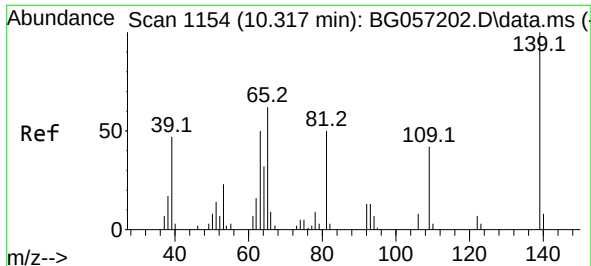
Tgt Ion: 77 Resp: 106963
Ion Ratio Lower Upper
77 100
123 37.2 28.2 42.2
65 13.2 11.7 17.5



#25
Isophorone
Concen: 40.724 ng
RT: 10.100 min Scan# 1117
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

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

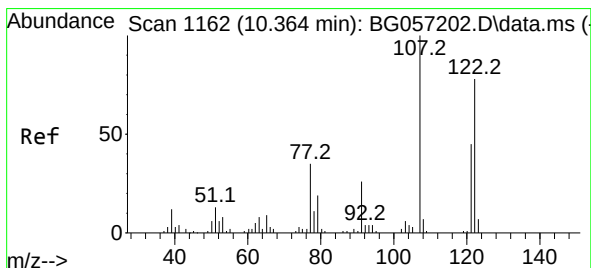
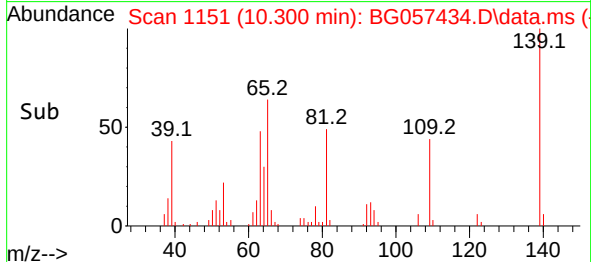
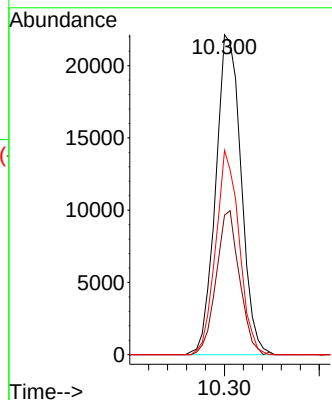
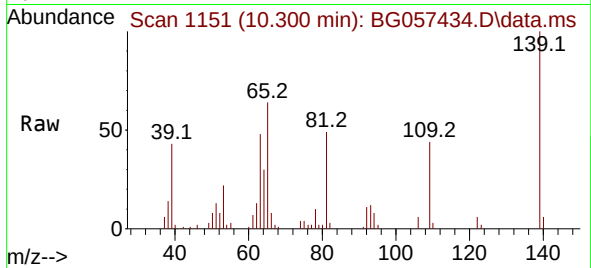




#26
2-Nitrophenol
Concen: 73.392 ng
RT: 10.300 min Scan# 1151
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

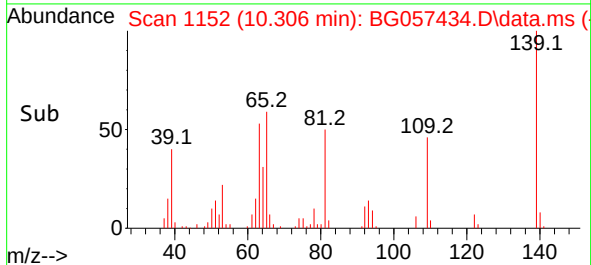
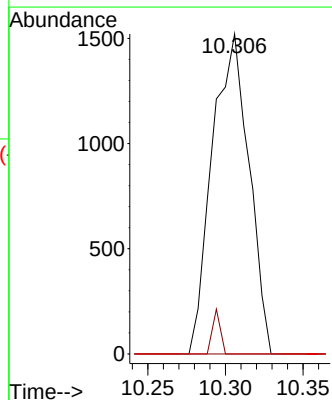
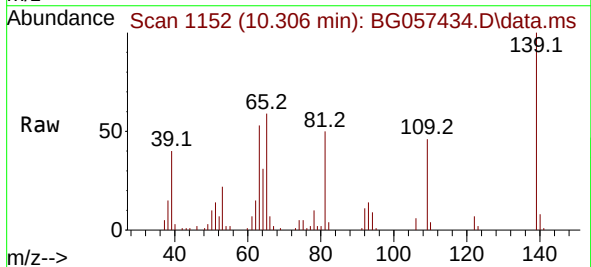
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

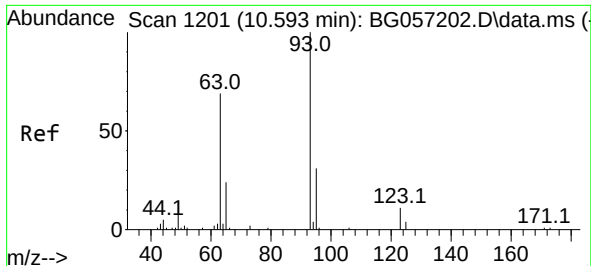
Tgt Ion:139 Resp: 41209
Ion Ratio Lower Upper
139 100
109 43.6 33.4 50.2
65 63.8 49.8 74.6



#27
2,4-Dimethylphenol
Concen: 2.543 ng
RT: 10.306 min Scan# 1152
Delta R.T. -0.037 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:122 Resp: 2500
Ion Ratio Lower Upper
122 100
107 0.0 103.0 154.4#
121 0.0 45.9 68.9#

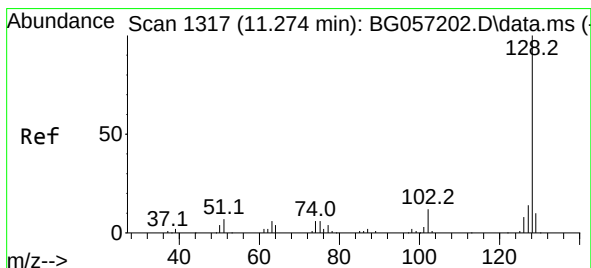
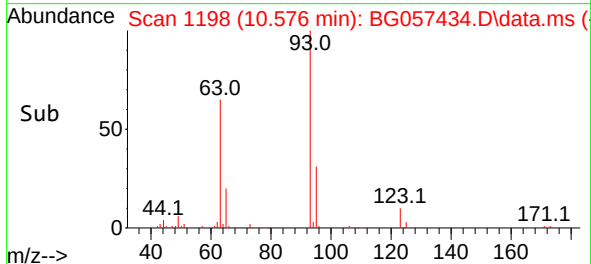
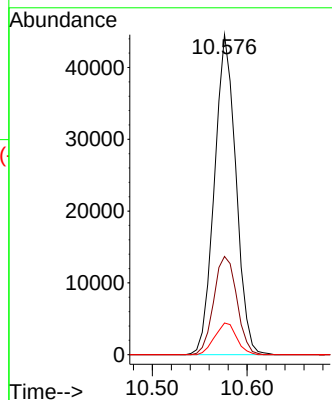
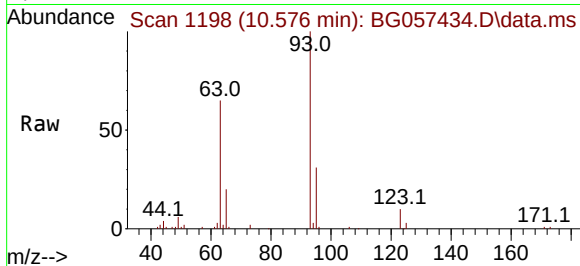




#28
bis(2-Chloroethoxy)methane
Concen: 49.744 ng
RT: 10.576 min Scan# 1198
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

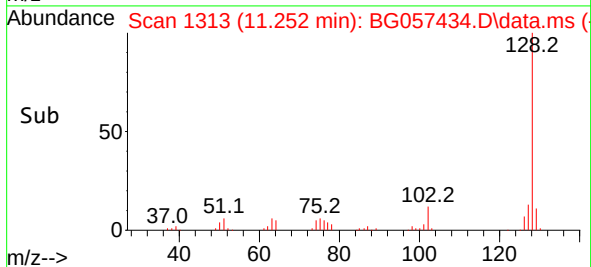
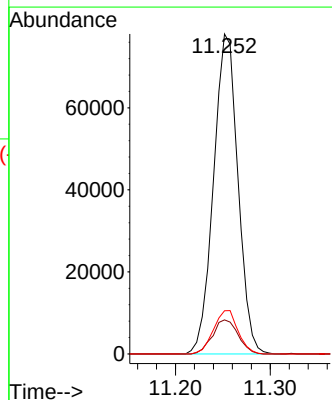
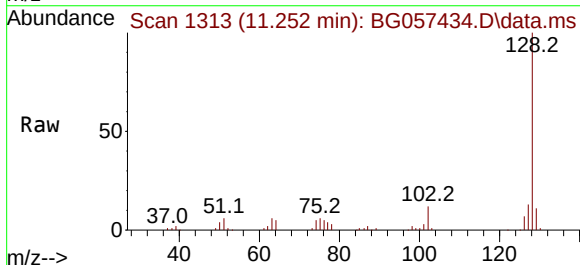
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

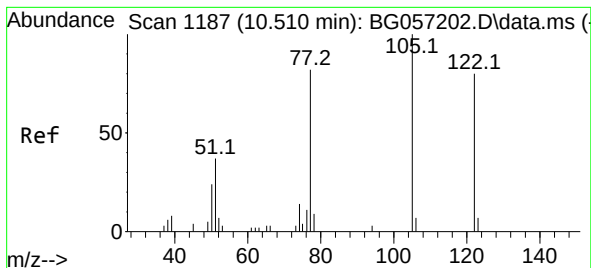
Tgt Ion: 93 Resp: 70231
Ion Ratio Lower Upper
93 100
95 30.7 25.0 37.6
123 9.9 8.5 12.7



#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





#32

Benzoic acid

Concen: 8.693 ng

RT: 10.306 min Scan# 1187

Delta R.T. -0.184 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

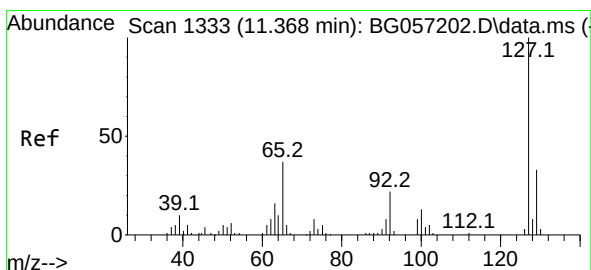
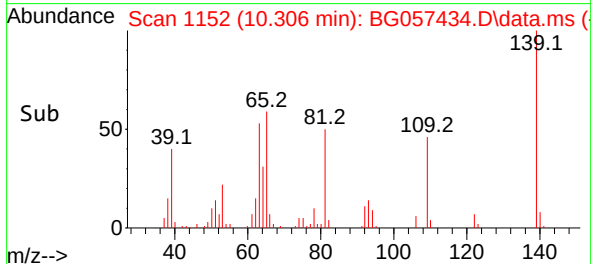
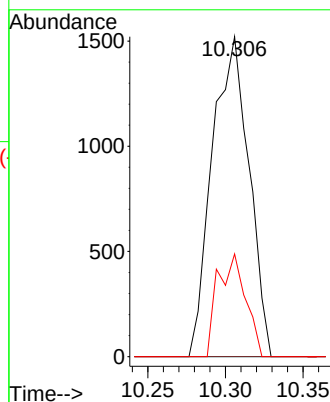
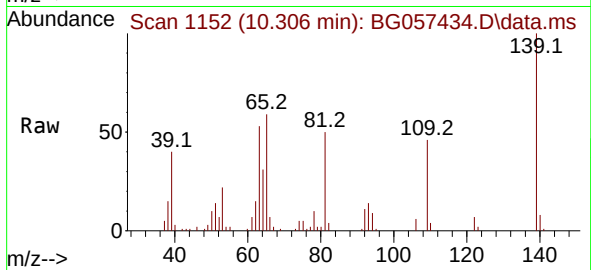
Tgt Ion:122 Resp: 2500

Ion Ratio Lower Upper

122 100

105 0.0 105.2 145.2#

77 32.1 83.1 123.1#



#33

4-Chloroaniline

Concen: 13.017 ng

RT: 11.258 min Scan# 1314

Delta R.T. -0.096 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Tgt Ion:127 Resp: 19063

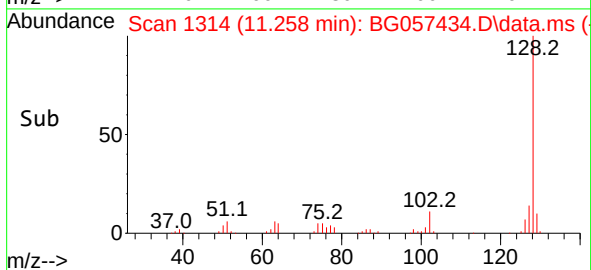
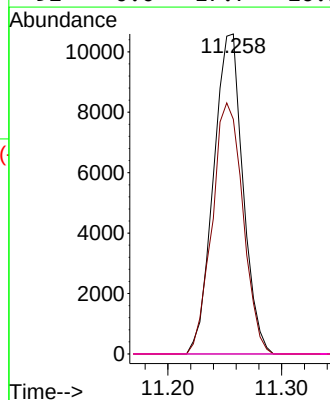
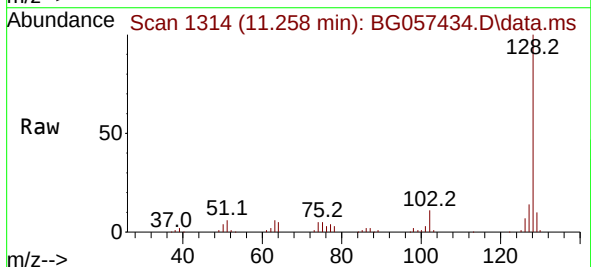
Ion Ratio Lower Upper

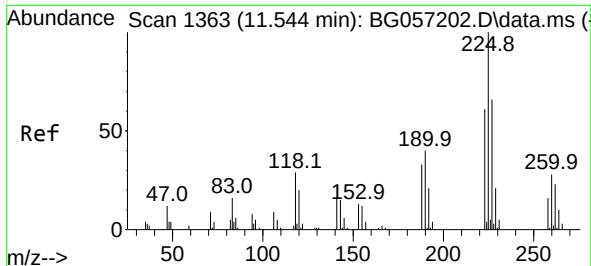
127 100

129 73.3 26.7 40.1#

65 0.0 29.7 44.5#

92 0.0 17.7 26.5#

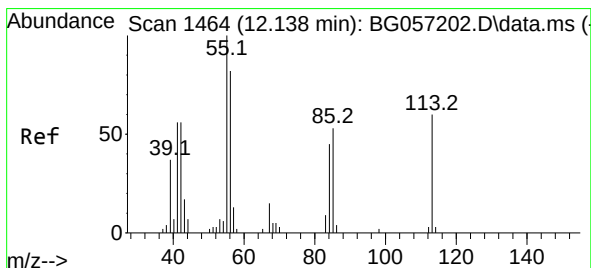
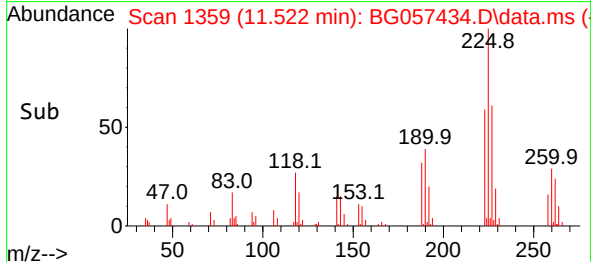
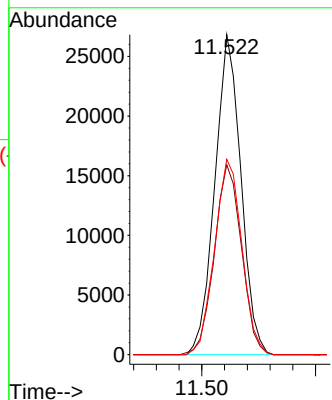
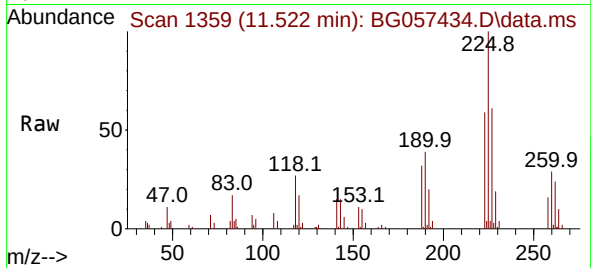




#34
Hexachlorobutadiene
Concen: 47.866 ng
RT: 11.522 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

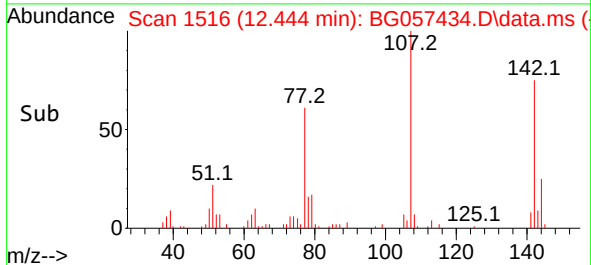
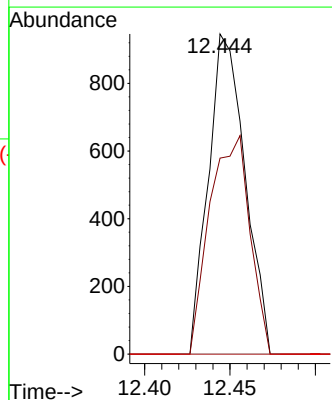
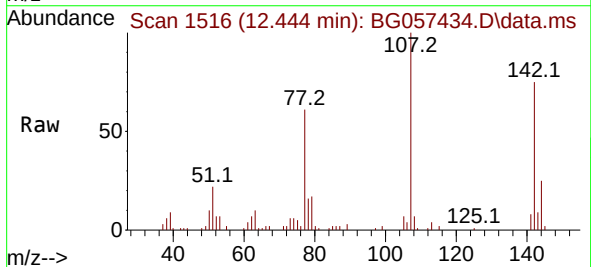
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

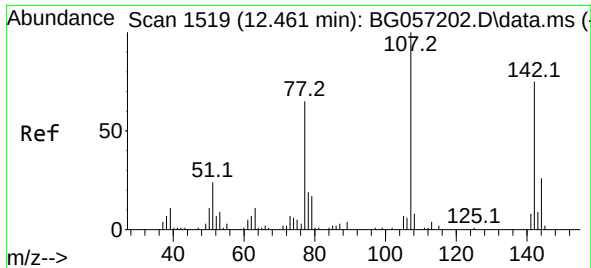
Tgt Ion:225 Resp: 42719
Ion Ratio Lower Upper
225 100
223 59.4 48.6 72.8
227 61.1 52.7 79.1



#35
Caprolactam
Concen: 3.972 ng
RT: 12.444 min Scan# 1516
Delta R.T. 0.315 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:113 Resp: 1415
Ion Ratio Lower Upper
113 100
55 61.2 145.5 185.5#
56 0.0 115.9 155.9#

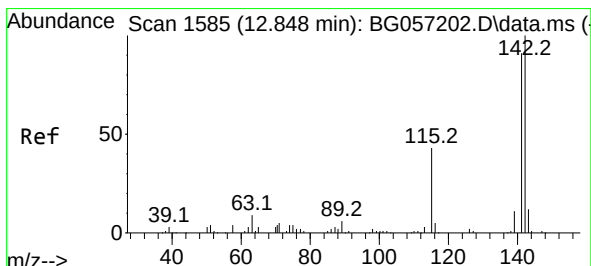
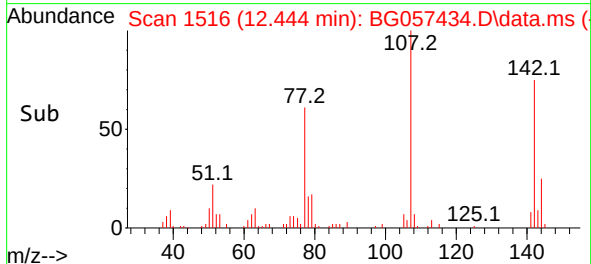
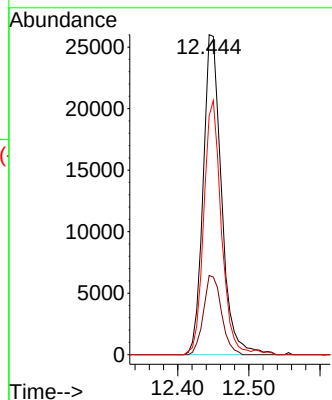
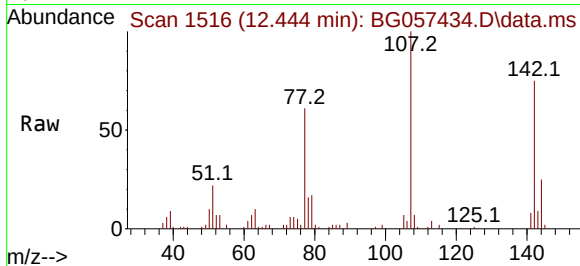




#36
4-Chloro-3-methylphenol
Concen: 39.518 ng
RT: 12.444 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

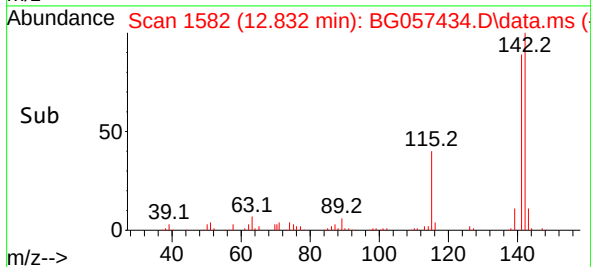
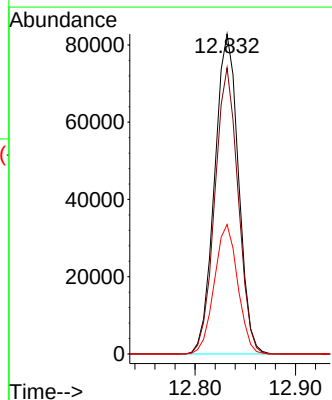
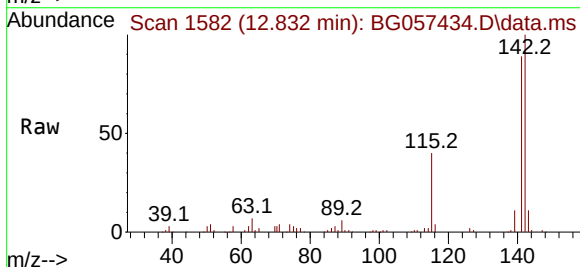
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

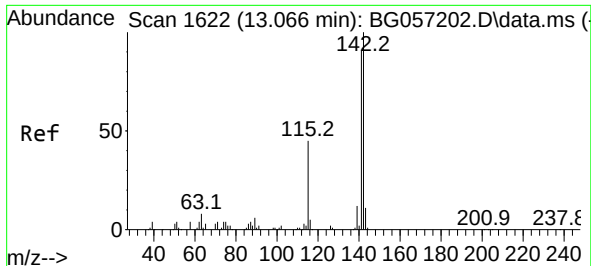
Tgt Ion:107 Resp: 46831
Ion Ratio Lower Upper
107 100
144 24.7 21.0 31.6
142 74.7 60.0 90.0



#37
2-Methylnaphthalene
Concen: 53.298 ng
RT: 12.832 min Scan# 1582
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

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

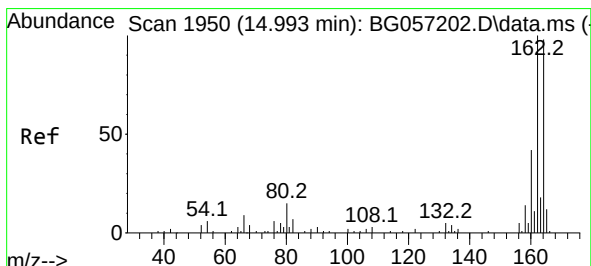
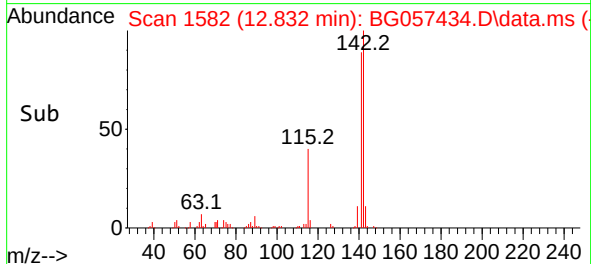
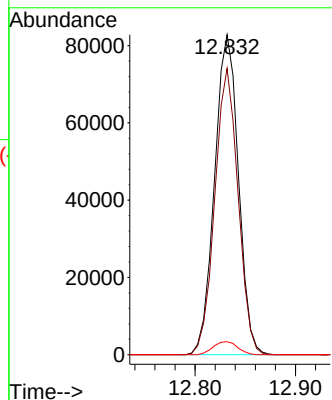
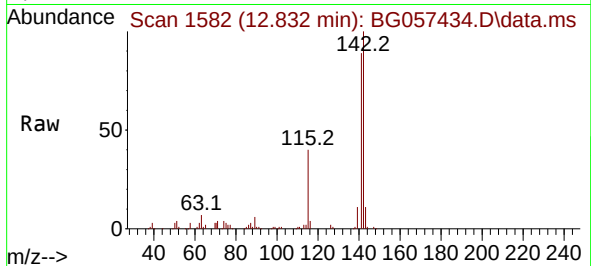




#38
1-Methylnaphthalene
Concen: 56.546 ng
RT: 12.832 min Scan# 1582
Delta R.T. -0.219 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

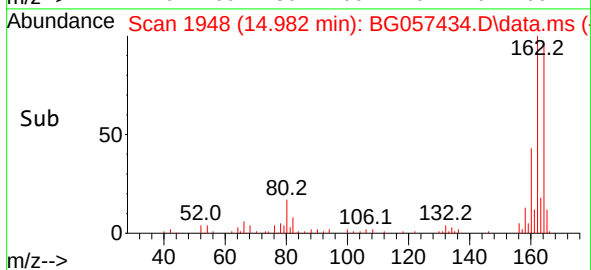
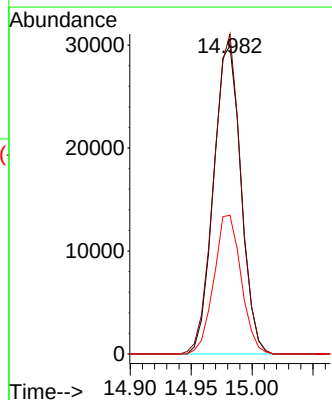
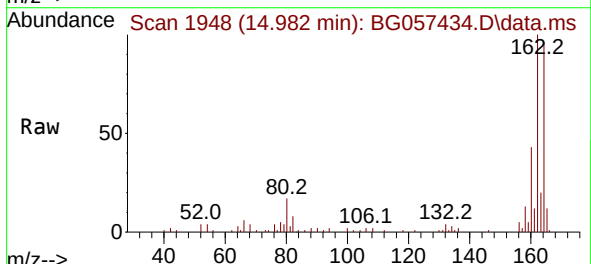
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

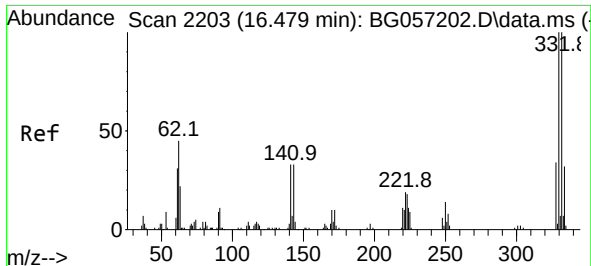
Tgt Ion:142 Resp: 136654
Ion Ratio Lower Upper
142 100
141 89.4 72.5 108.7
116 4.1 3.7 5.5



#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

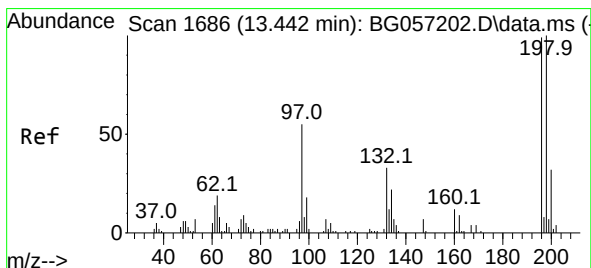
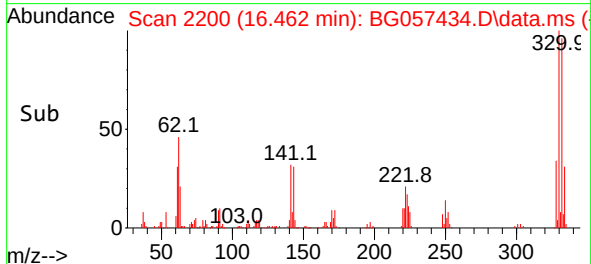
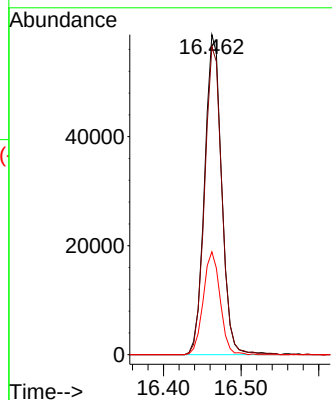
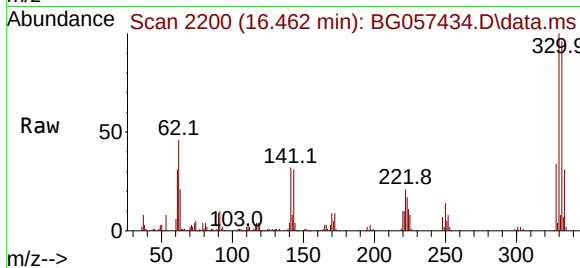




#42
2,4,6-Tribromophenol
Concen: 134.919 ng
RT: 16.462 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

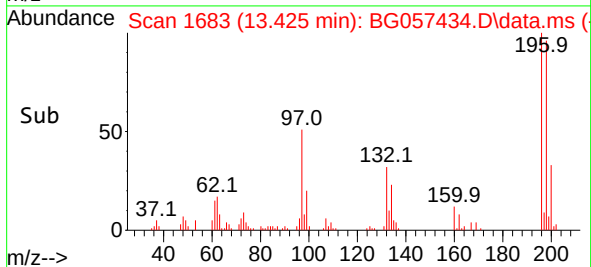
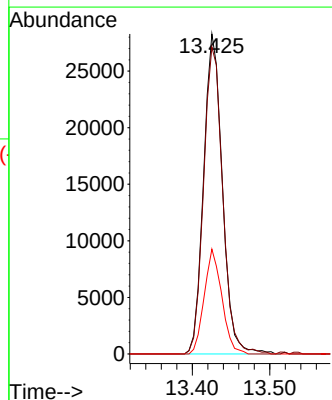
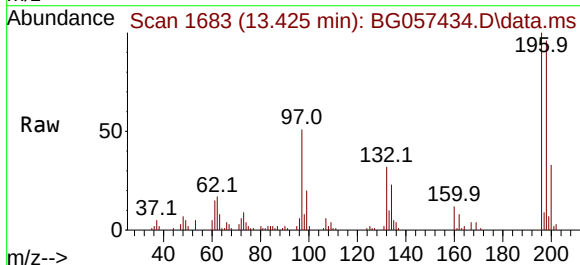
Instrument :
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ClientSampleId :
PT-BNA-SOIL

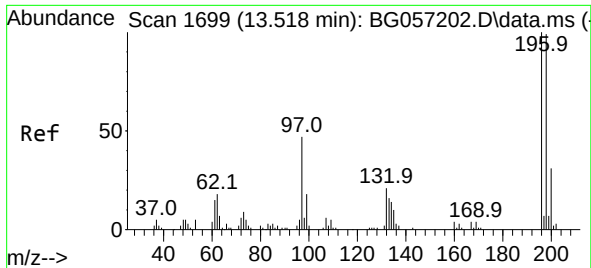
Tgt Ion:330 Resp: 89596
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.2
141 31.7 27.8 41.8



#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

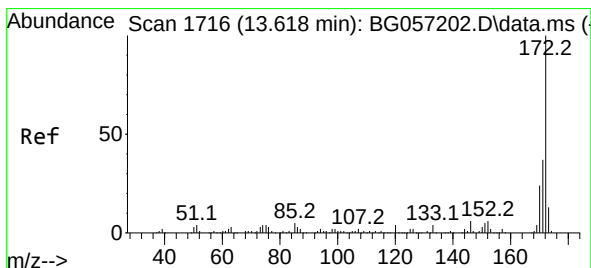
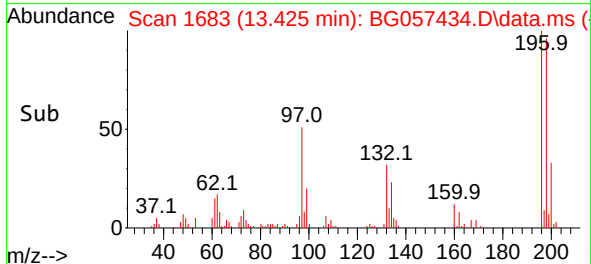
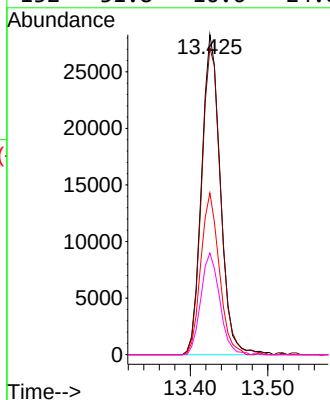
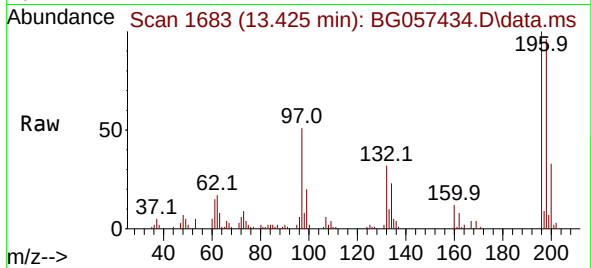




#44
2,4,5-Trichlorophenol
Concen: 39.958 ng
RT: 13.425 min Scan# 1
Delta R.T. -0.078 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

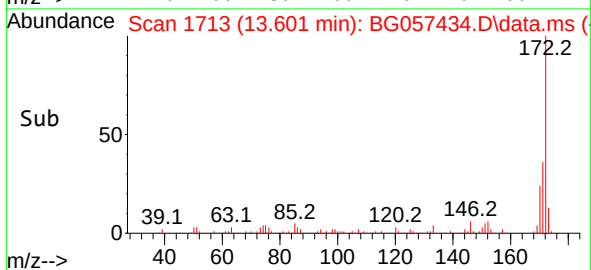
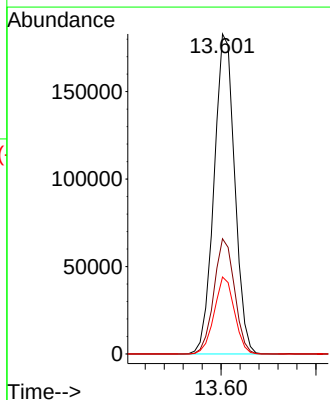
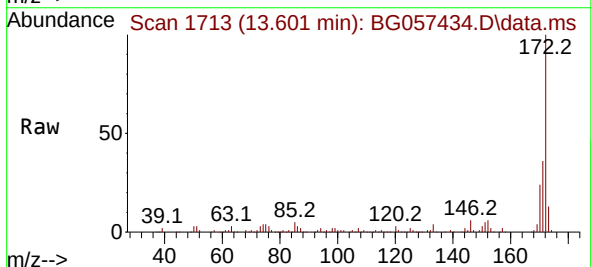
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

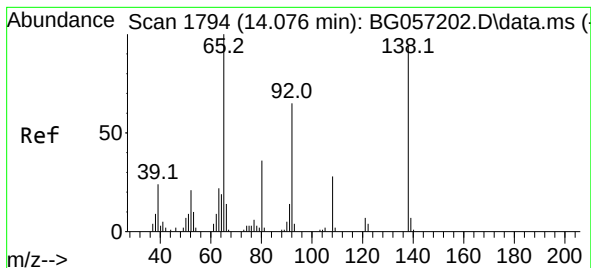
Tgt Ion:196 Resp: 47578
Ion Ratio Lower Upper
196 100
198 95.9 79.4 119.2
97 50.5 37.0 55.4
132 31.8 16.6 24.8#



#45
2-Fluorobiphenyl
Concen: 79.532 ng
RT: 13.601 min Scan# 1713
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

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





#48

2-Nitroaniline

Concen: 3.465 ng

RT: 14.412 min Scan# 1

Delta R.T. 0.350 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

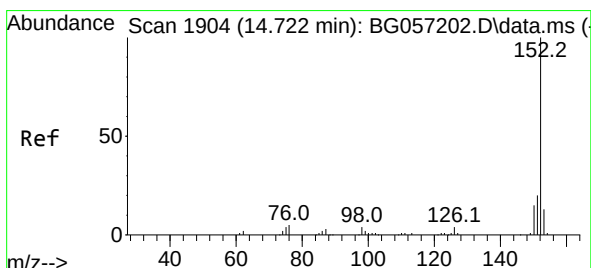
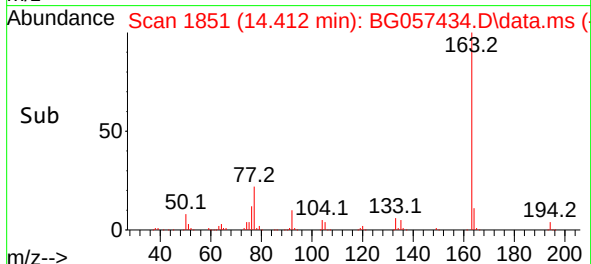
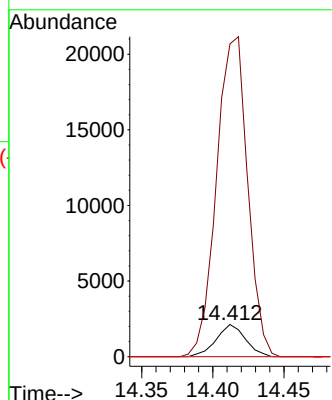
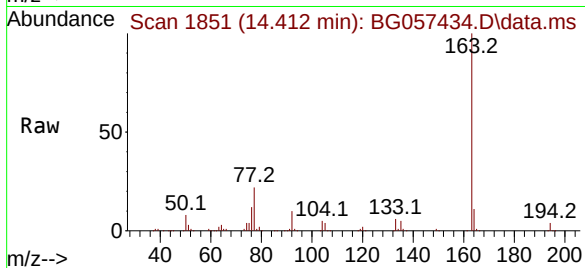
Tgt Ion: 65 Resp: 3043

Ion Ratio Lower Upper

65 100

92 973.6 52.1 78.1#

138 0.0 75.3 112.9#



#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

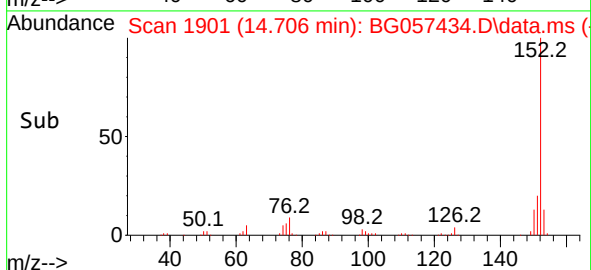
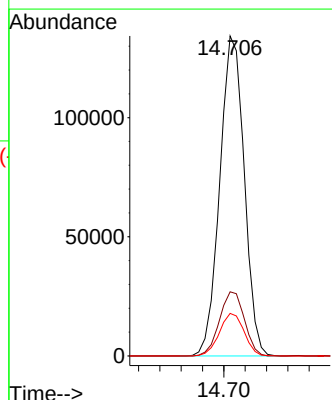
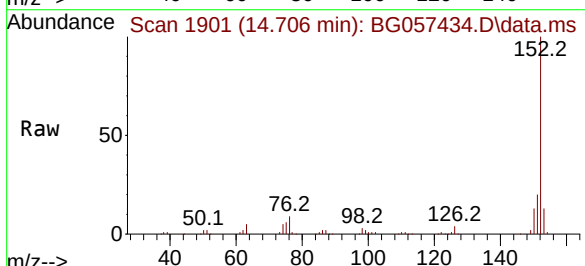
Tgt Ion:152 Resp: 213649

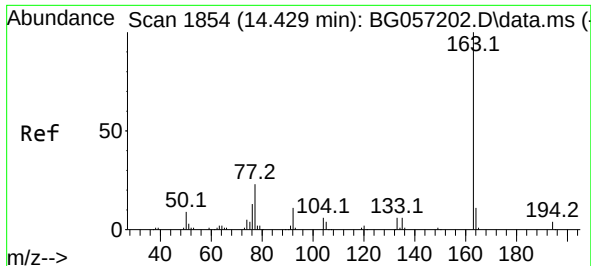
Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

153 13.3 10.7 16.1

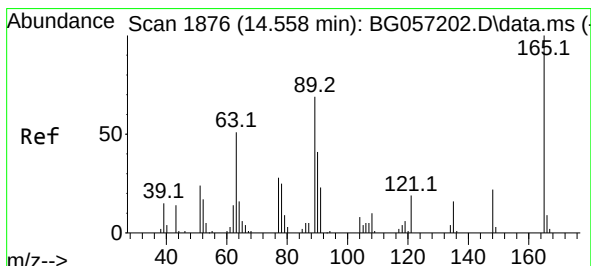
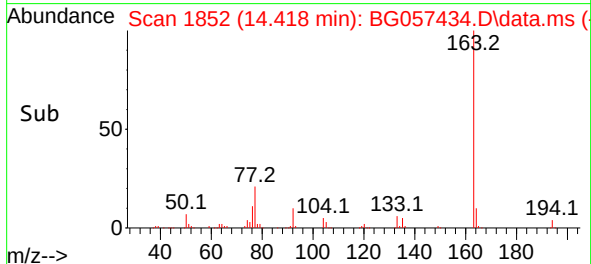
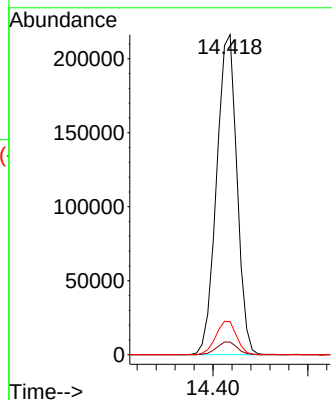
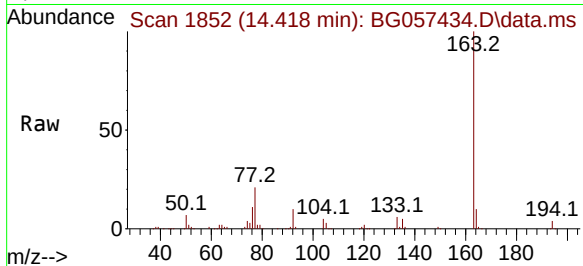




#50
Dimethylphthalate
Concen: 83.847 ng
RT: 14.418 min Scan# 1852
Delta R.T. 0.004 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

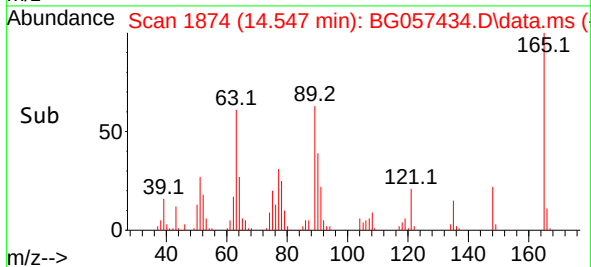
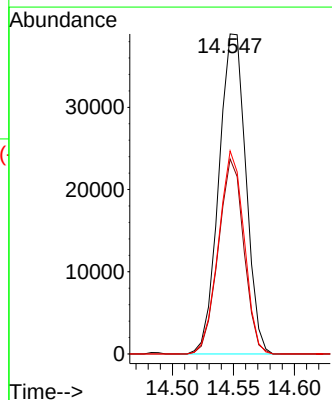
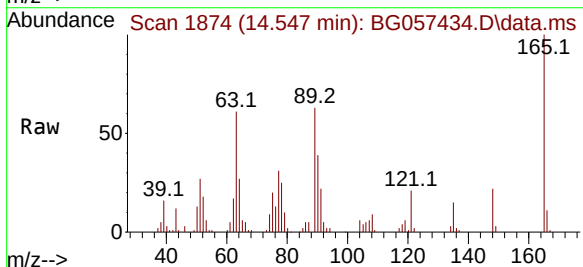
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

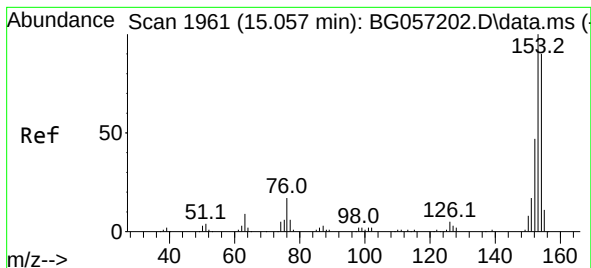
Tgt Ion:163 Resp: 322475
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 10.3 8.8 13.2



#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# 1959

Delta R.T. 0.004 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

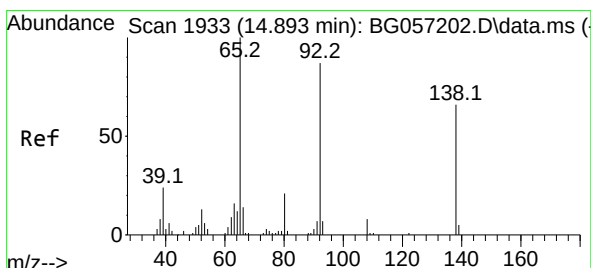
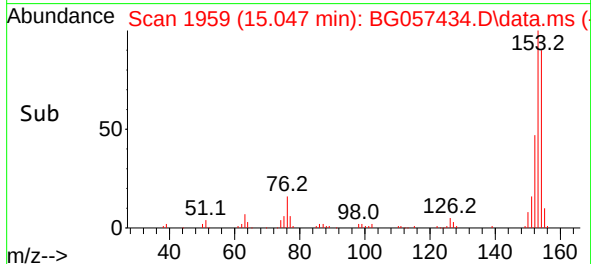
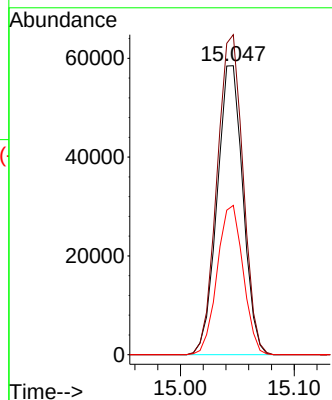
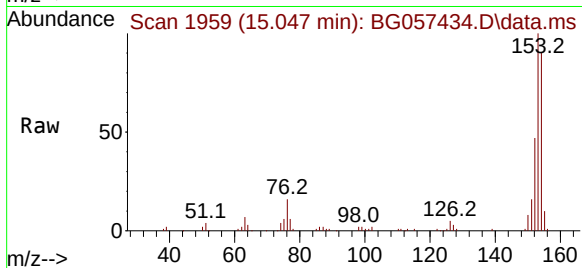
Tgt Ion:154 Resp: 92360

Ion Ratio Lower Upper

154 100

153 110.7 89.3 133.9

152 51.7 41.7 62.5



#53

3-Nitroaniline

Concen: 6.758 ng

RT: 15.375 min Scan# 2015

Delta R.T. 0.491 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

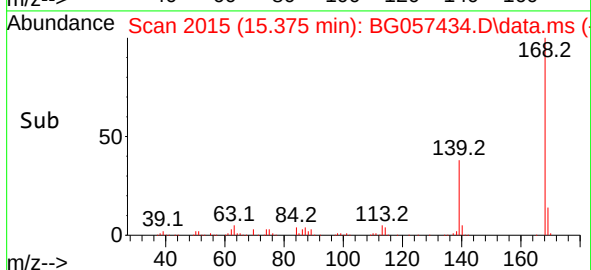
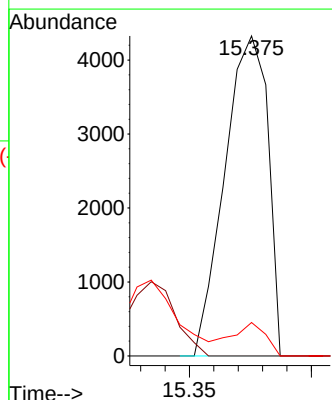
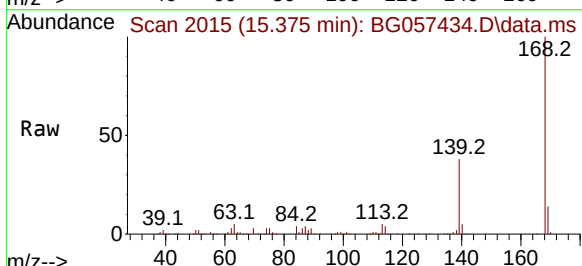
Tgt Ion:138 Resp: 5316

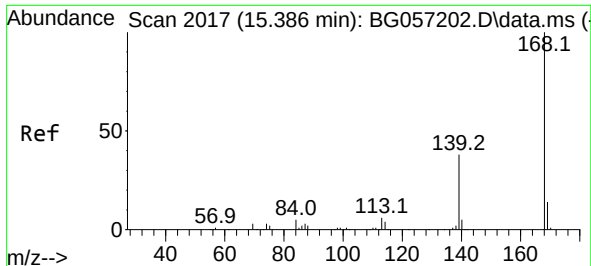
Ion Ratio Lower Upper

138 100

108 0.0 9.5 14.3#

92 10.4 106.2 159.4#

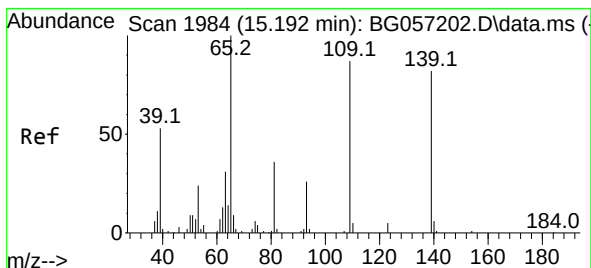
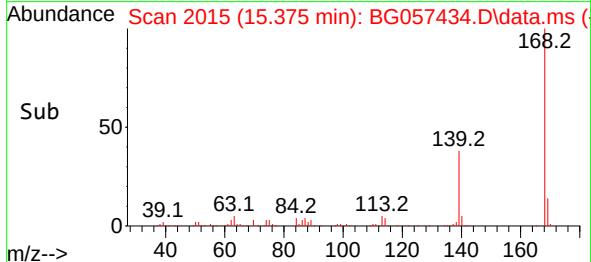
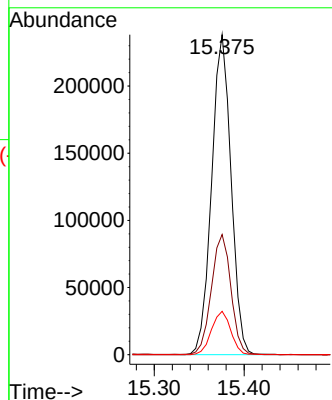
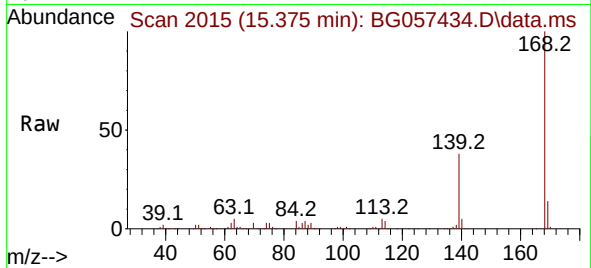




#55
Dibenzenofuran
Concen: 81.096 ng
RT: 15.375 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

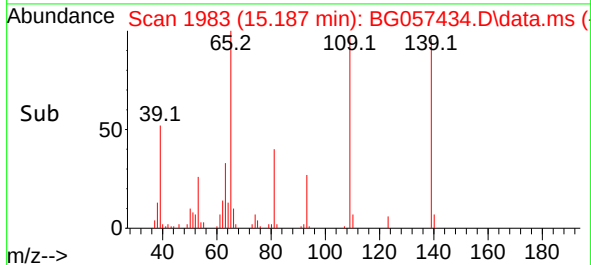
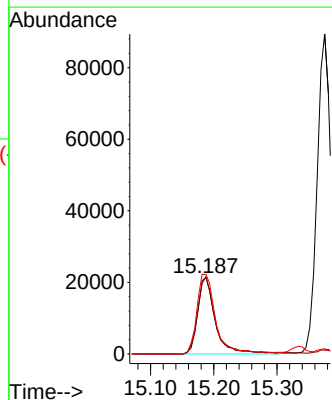
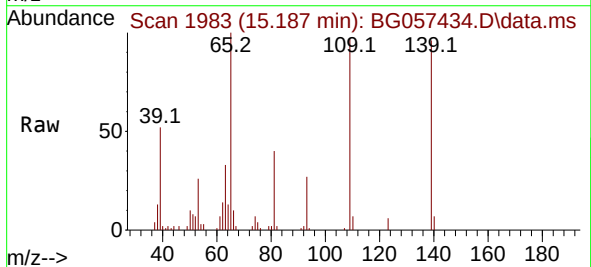
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

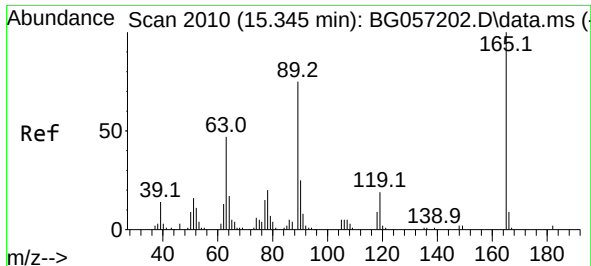
Tgt Ion:168 Resp: 357230
Ion Ratio Lower Upper
168 100
139 37.5 30.7 46.1
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 79.854 ng
RT: 15.187 min Scan# 1983
Delta R.T. 0.004 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

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# 2010

Delta R.T. -0.002 min

Lab File: BG057434.D

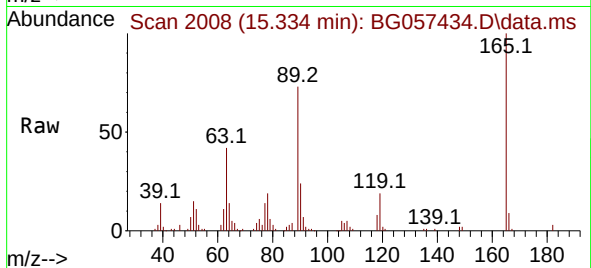
Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL



Tgt Ion:165 Resp: 64381

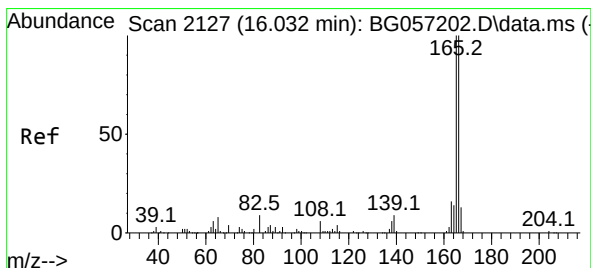
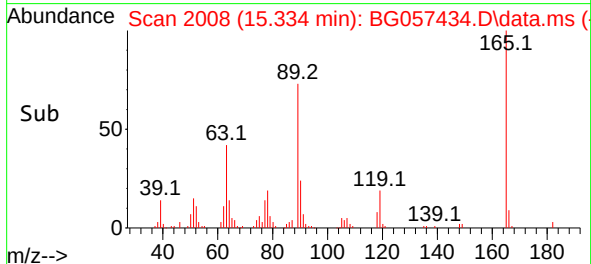
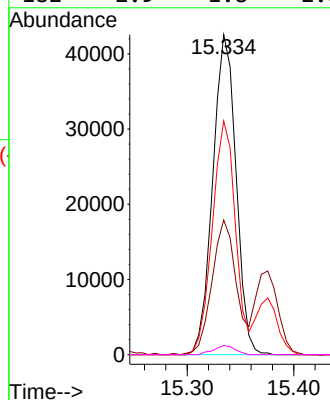
Ion Ratio Lower Upper

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# 2125

Delta R.T. -0.002 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

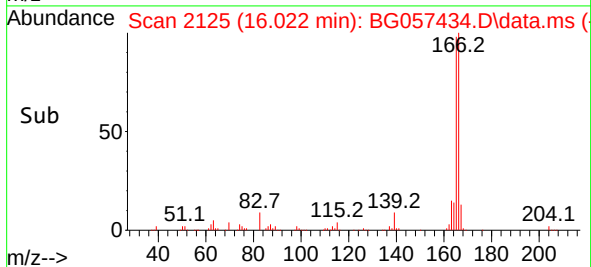
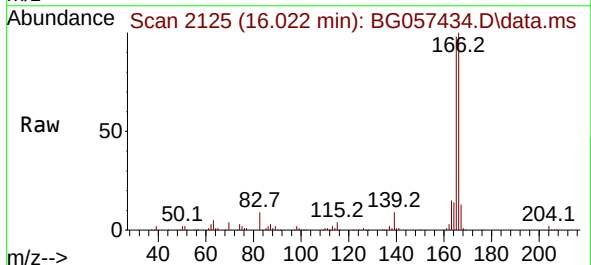
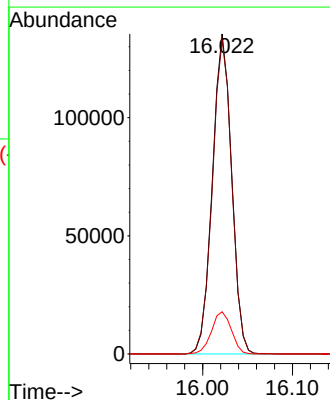
Tgt Ion:166 Resp: 201301

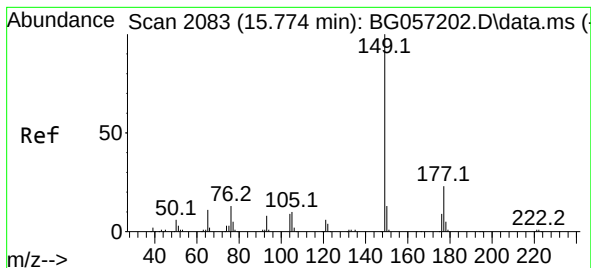
Ion Ratio Lower Upper

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

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

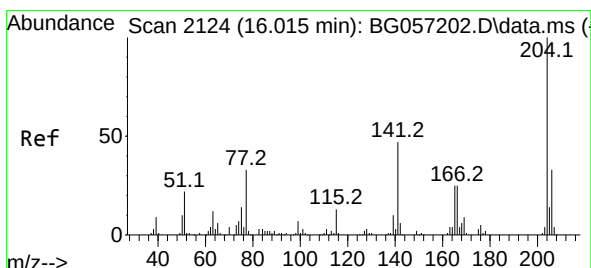
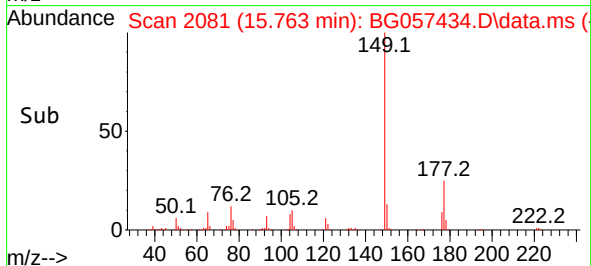
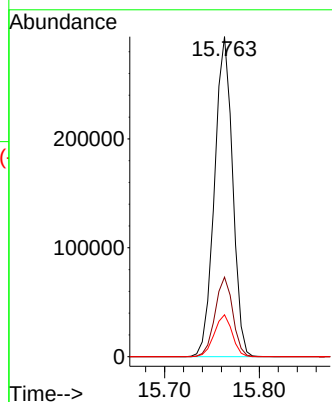
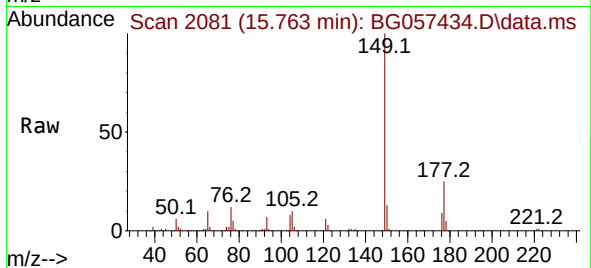
Tgt Ion:149 Resp: 389257

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# 2121

Delta R.T. -0.002 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

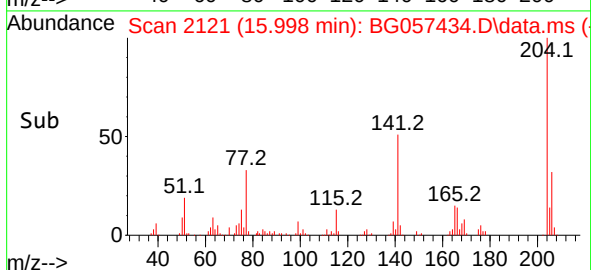
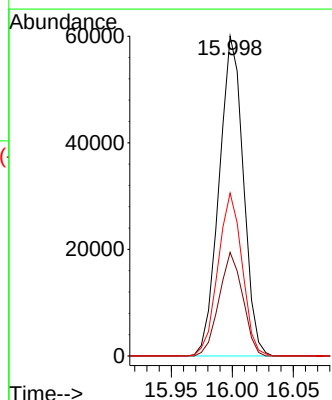
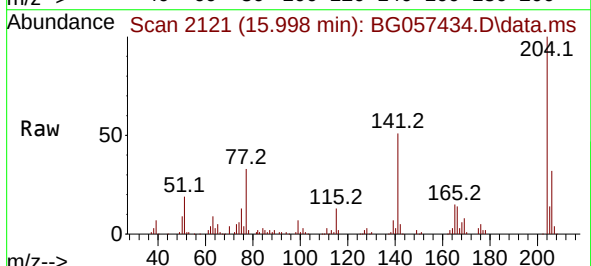
Tgt Ion:204 Resp: 82979

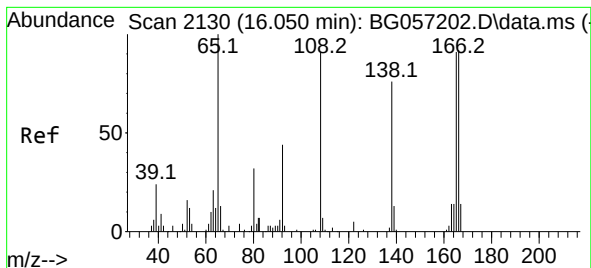
Ion Ratio Lower Upper

204 100

206 32.4 26.5 39.7

141 50.9 37.4 56.0





#62

4-Nitroaniline

Concen: 3.287 ng

RT: 16.022 min Scan# 21

Delta R.T. -0.020 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

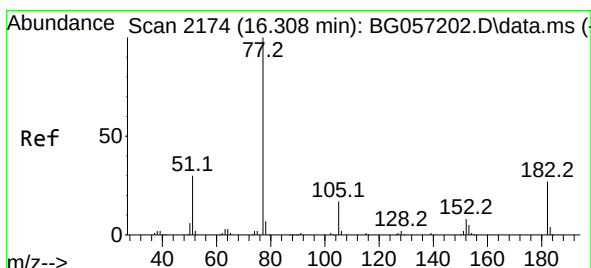
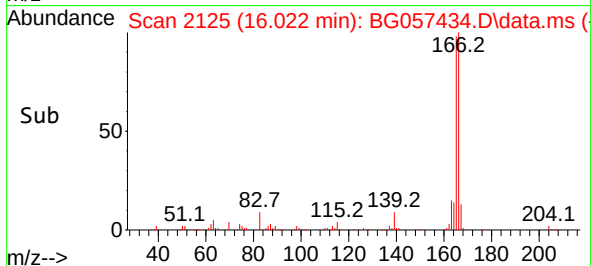
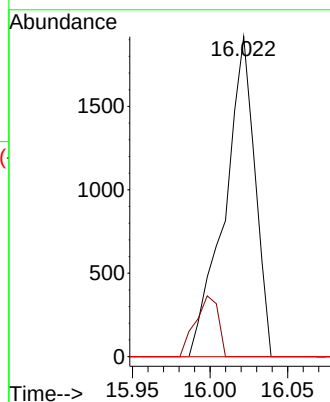
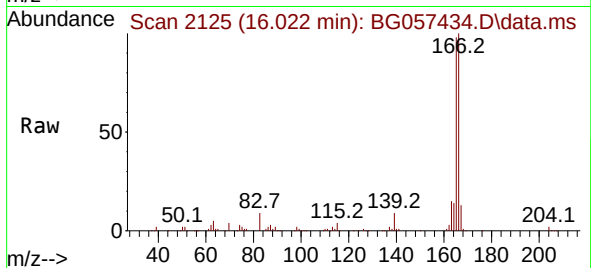
Tgt Ion:138 Resp: 2609

Ion Ratio Lower Upper

138 100

92 0.0 38.2 78.2#

108 0.0 99.6 139.6#



#63

Azobenzene

Concen: 10.063 ng

RT: 16.315 min Scan# 2175

Delta R.T. 0.022 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Tgt Ion: 77 Resp: 37921

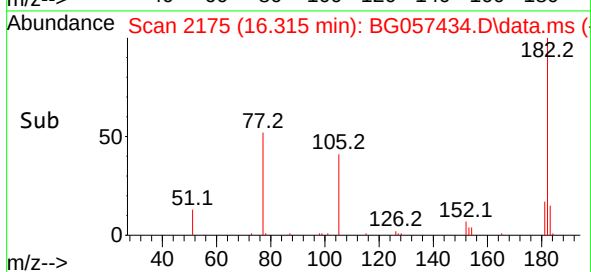
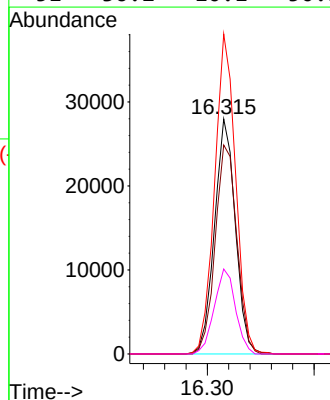
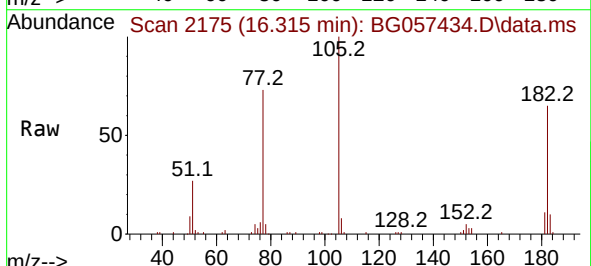
Ion Ratio Lower Upper

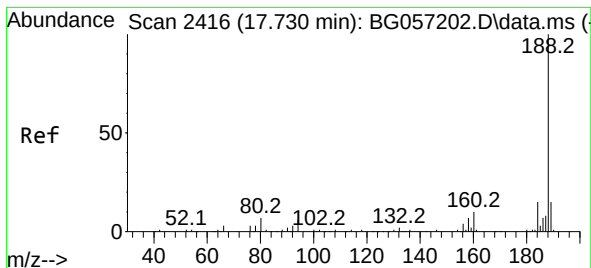
77 100

182 88.9 7.4 47.4#

105 136.1 0.0 37.2#

51 36.2 10.1 50.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.719 min Scan# 2416

Delta R.T. -0.002 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

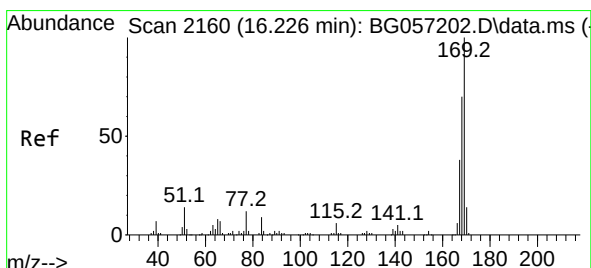
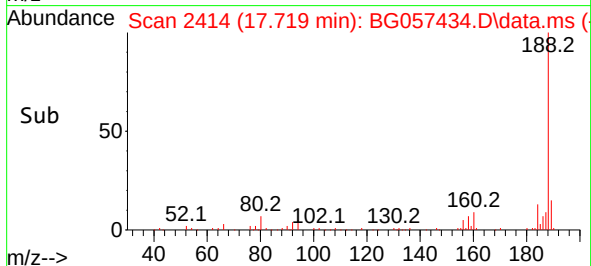
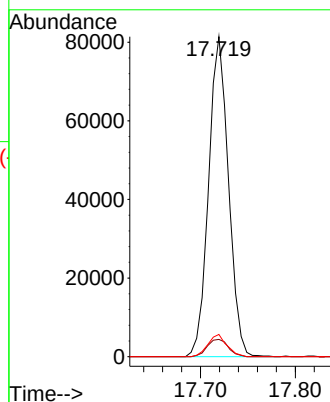
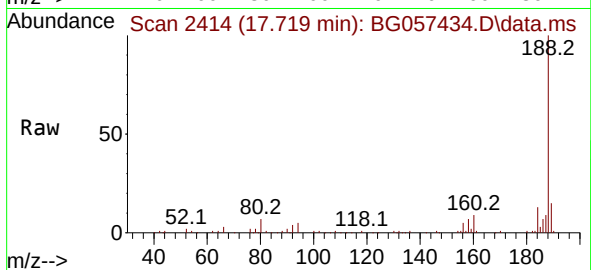
Tgt Ion:188 Resp: 118342

Ion Ratio Lower Upper

188 100

94 5.4 5.1 7.7

80 7.0 5.7 8.5



#66

n-Nitrosodiphenylamine

Concen: 2.322 ng

RT: 15.998 min Scan# 2121

Delta R.T. -0.213 min

Lab File: BG057434.D

Acq: 15 May 2023 13:25

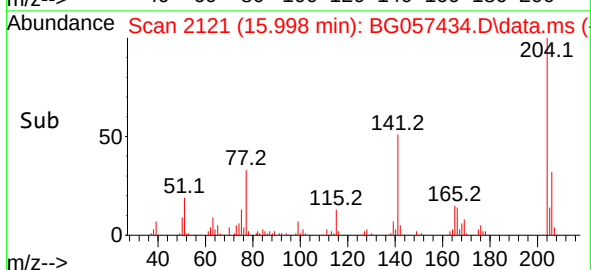
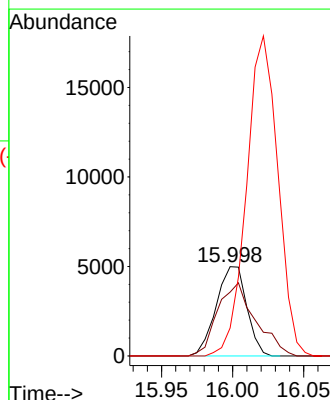
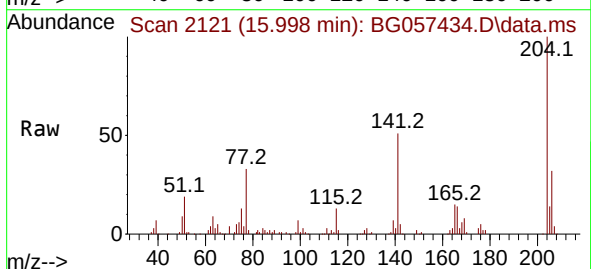
Tgt Ion:169 Resp: 7462

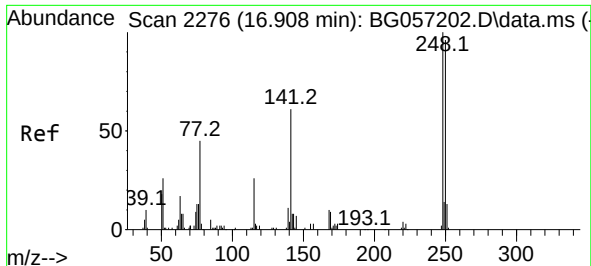
Ion Ratio Lower Upper

169 100

168 71.6 56.2 84.4

167 31.4 30.2 45.4

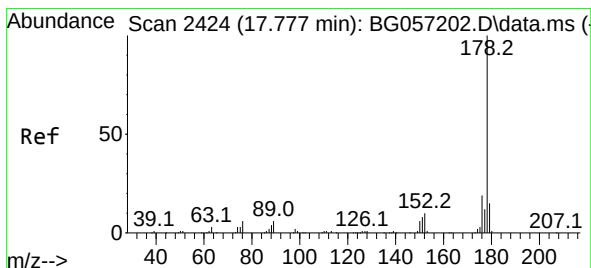
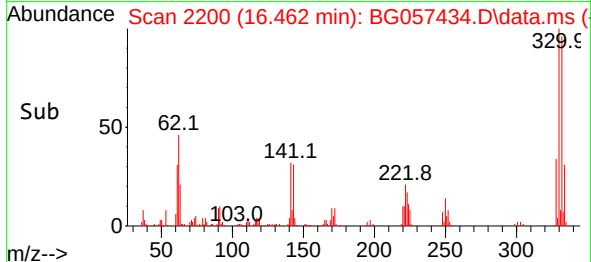
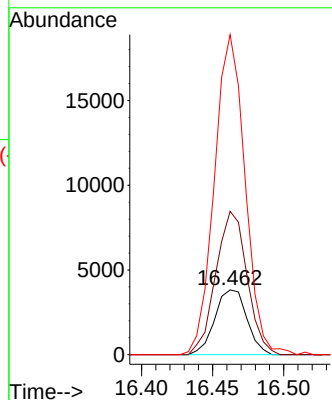
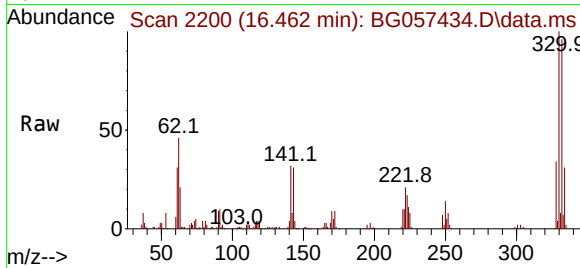




#67
4-Bromophenyl-phenylether
Concen: 4.147 ng
RT: 16.462 min Scan# 21
Delta R.T. -0.431 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

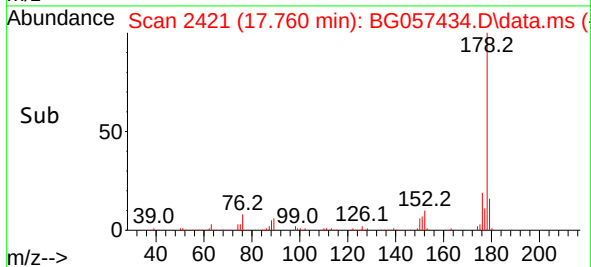
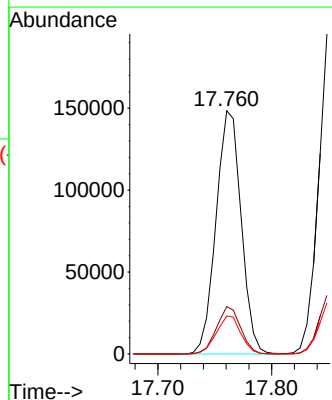
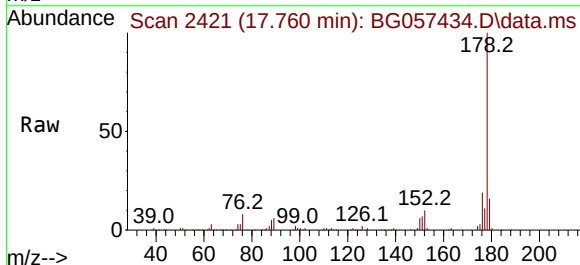
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

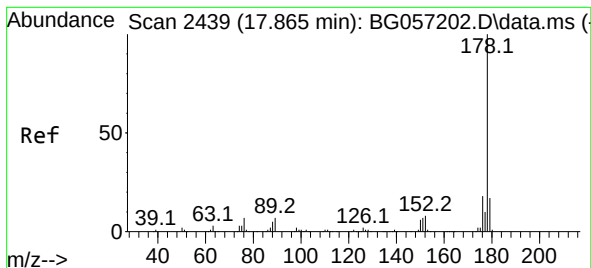
Tgt Ion:248 Resp: 5991
Ion Ratio Lower Upper
248 100
250 221.1 77.0 115.6#
141 493.3 48.6 72.8#



#71
Phenanthrene
Concen: 37.598 ng
RT: 17.760 min Scan# 2421
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

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

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

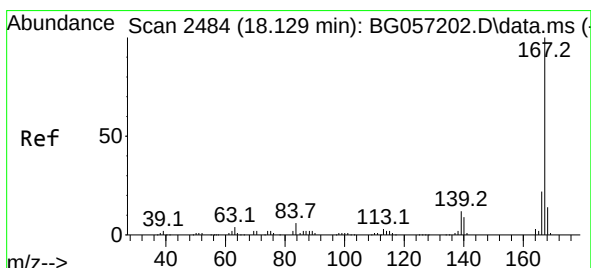
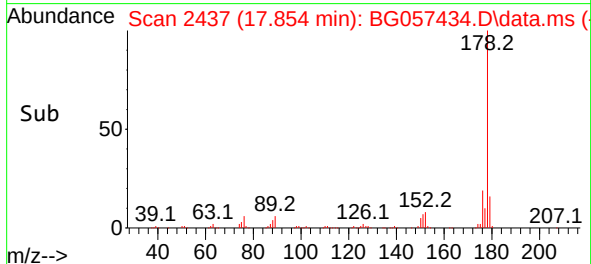
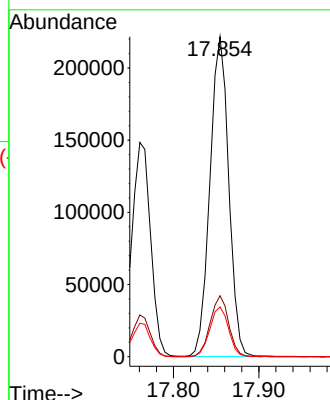
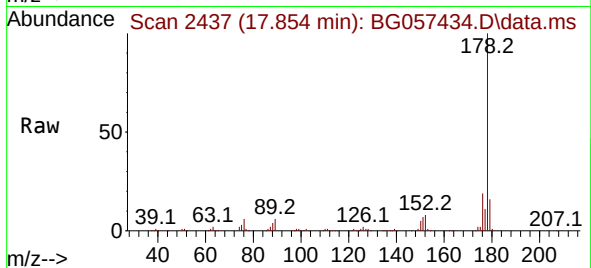
Tgt Ion:178 Resp: 339328

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

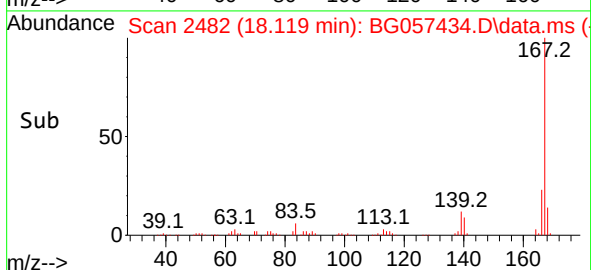
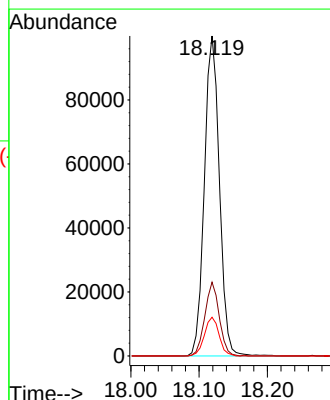
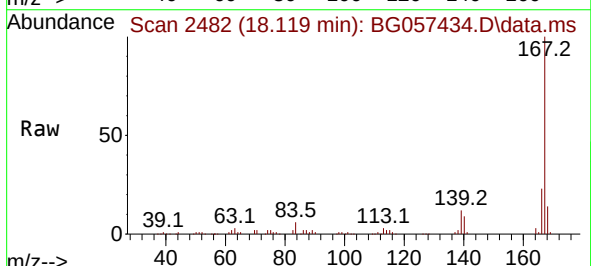
Tgt Ion:167 Resp: 153131

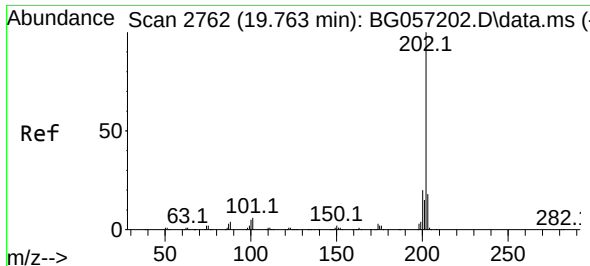
Ion Ratio Lower Upper

167 100

166 23.1 17.4 26.0

139 12.1 9.6 14.4

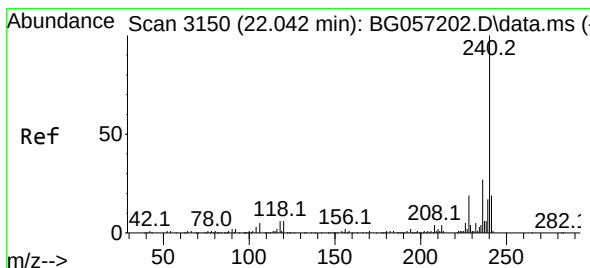
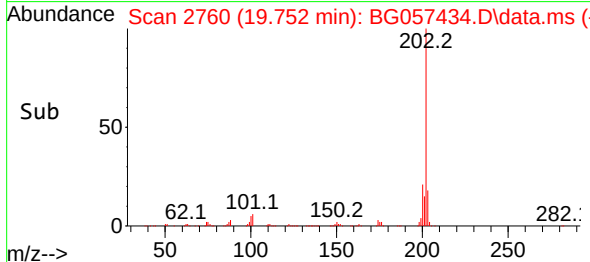
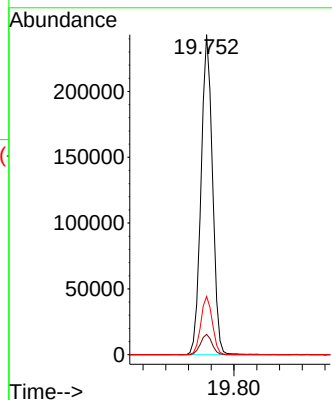
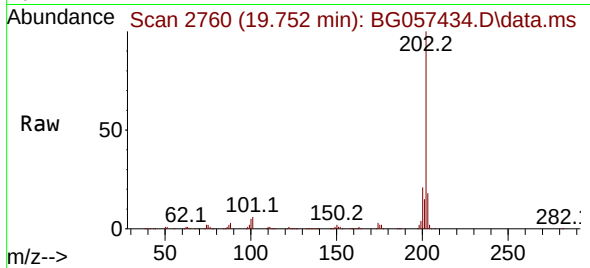




#75
Fluoranthene
Concen: 45.068 ng
RT: 19.752 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

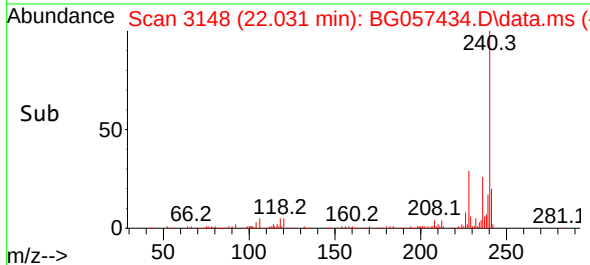
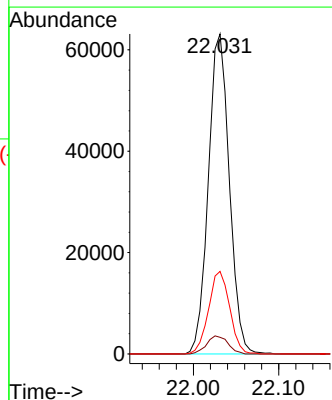
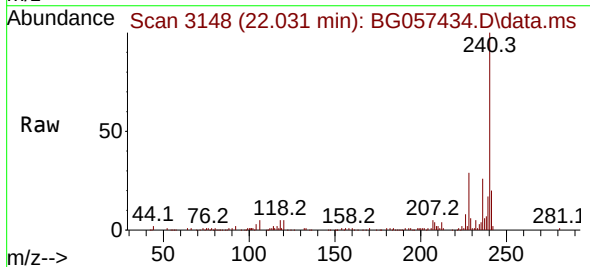
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

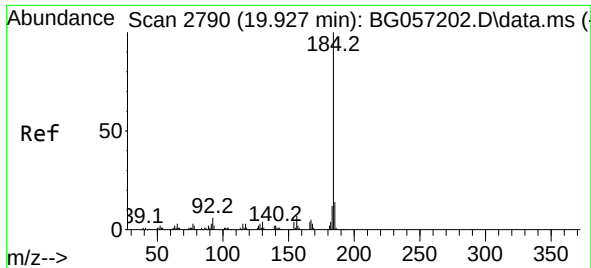
Tgt Ion:202 Resp: 339908
Ion Ratio Lower Upper
202 100
101 6.3 0.0 26.2
203 18.2 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.031 min Scan# 3148
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

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

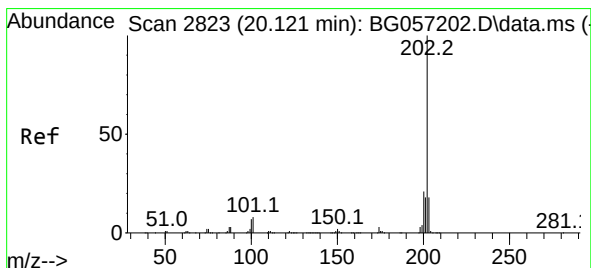
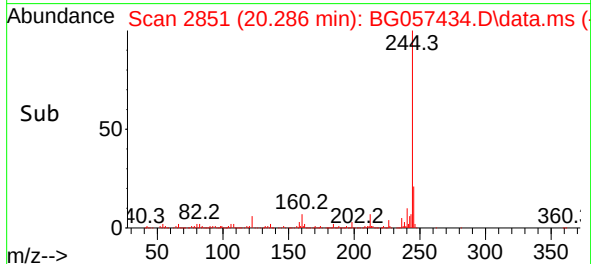
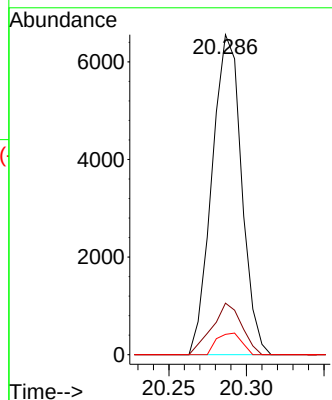
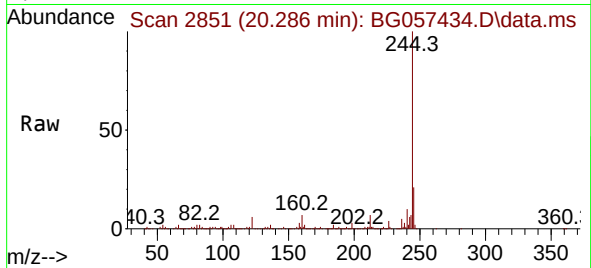




#77
Benzidine
Concen: 3.601 ng
RT: 20.286 min Scan# 21
Delta R.T. 0.368 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

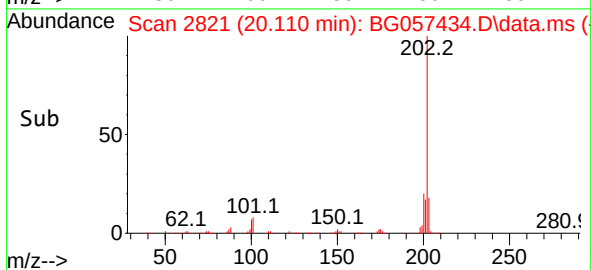
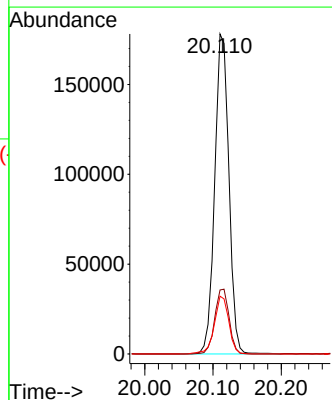
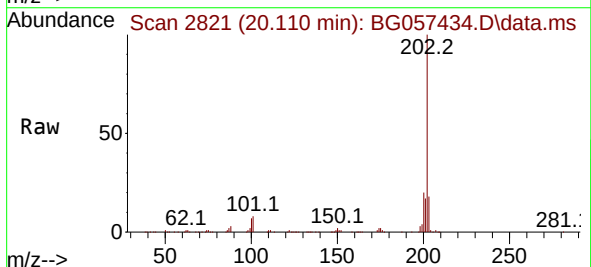
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

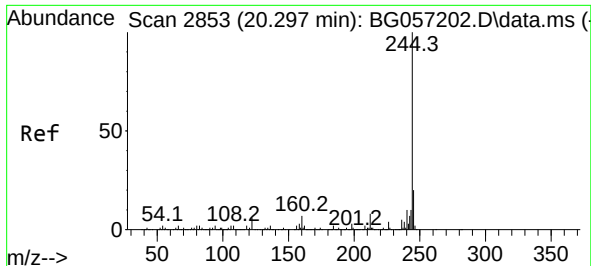
Tgt Ion:184 Resp: 8692
Ion Ratio Lower Upper
184 100
185 16.1 11.1 16.7
183 6.4 9.9 14.9#



#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

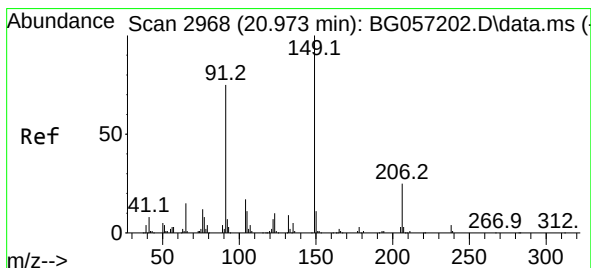
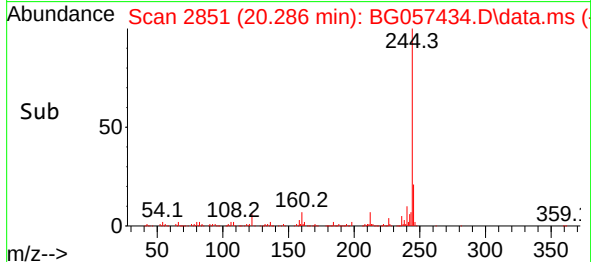
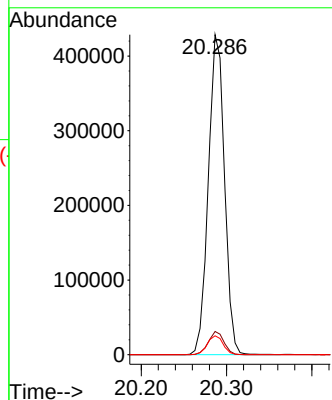
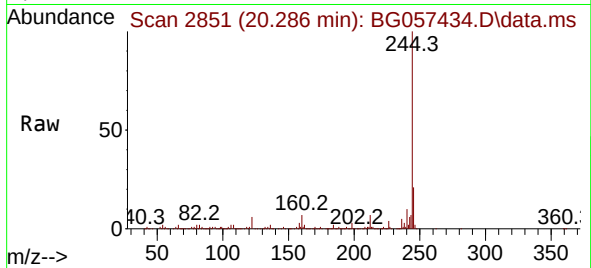




#79
 Terphenyl-d14
 Concen: 85.201 ng
 RT: 20.286 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG057434.D
 Acq: 15 May 2023 13:25

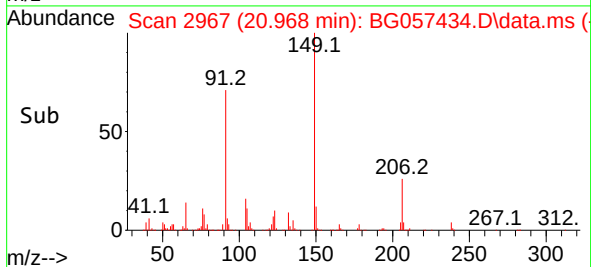
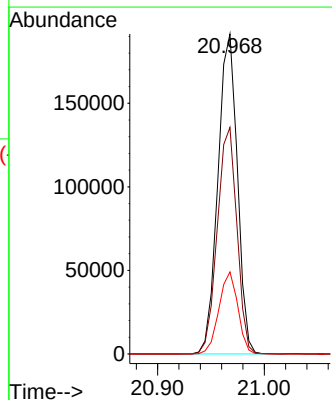
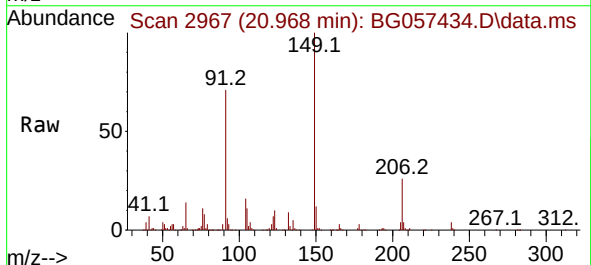
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

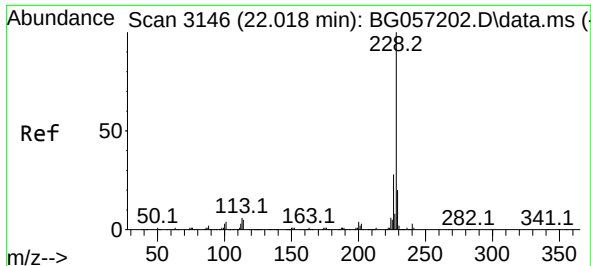
Tgt Ion:244 Resp: 563618
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 5.9 5.1 7.7



#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

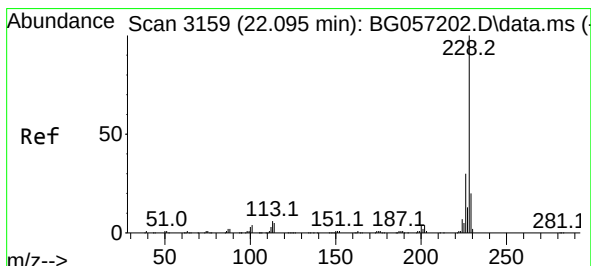
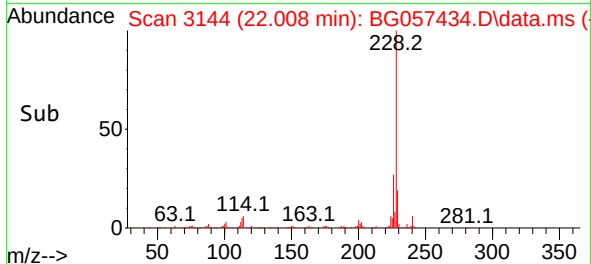
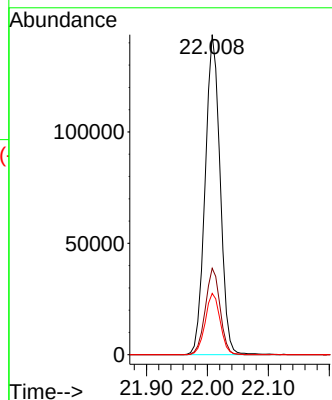
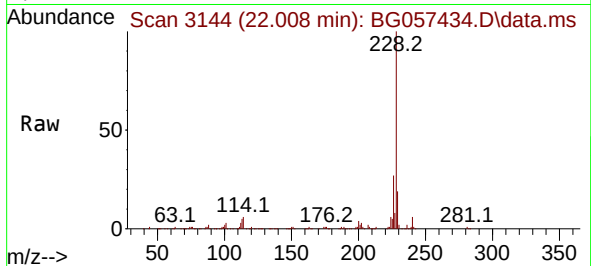




#81
Benzo(a)anthracene
Concen: 31.854 ng
RT: 22.008 min Scan# 3144
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

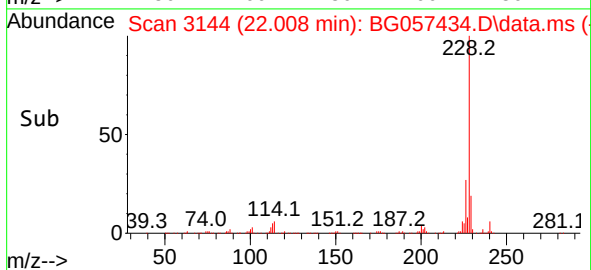
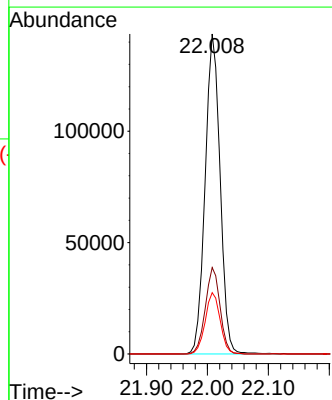
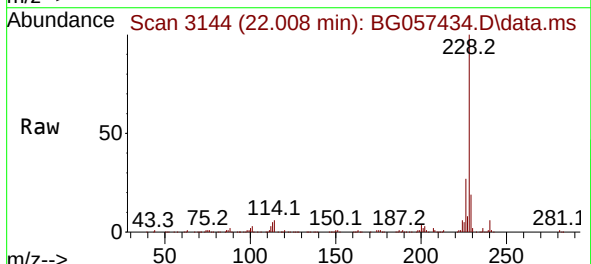
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

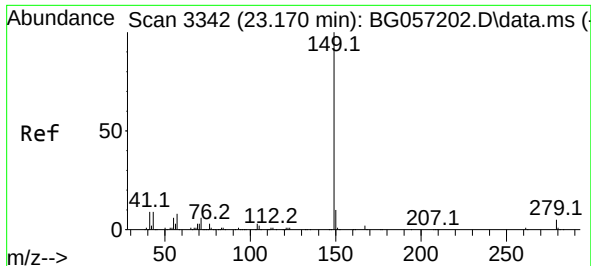
Tgt Ion:228 Resp: 244998
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 19.2 15.8 23.8



#83
Chrysene
Concen: 33.855 ng
RT: 22.008 min Scan# 3144
Delta R.T. -0.072 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

Tgt Ion:228 Resp: 244998
Ion Ratio Lower Upper
228 100
226 27.0 24.3 36.5
229 19.2 15.9 23.9

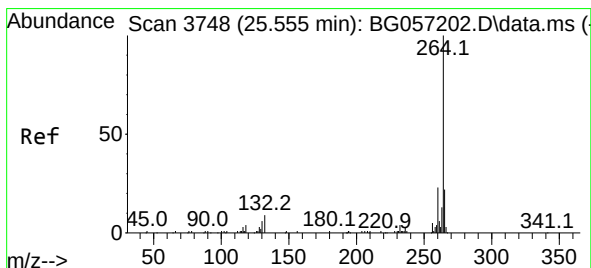
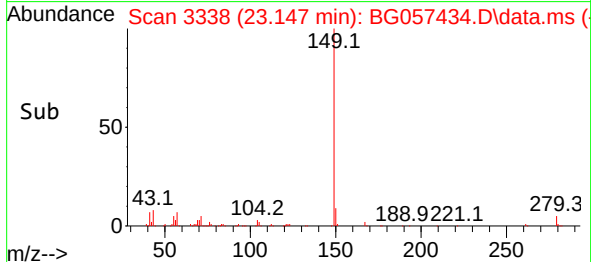
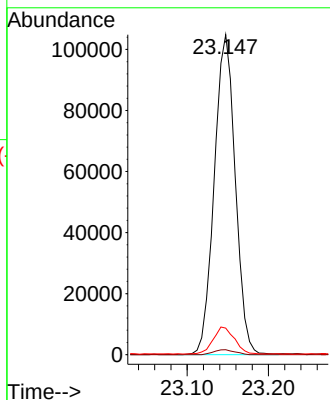
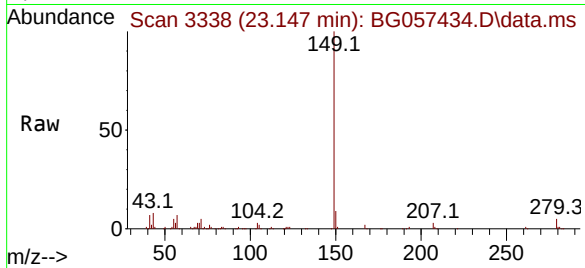




#85
Di-n-octyl phthalate
Concen: 30.716 ng
RT: 23.147 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

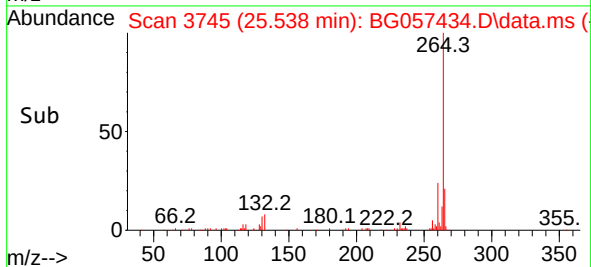
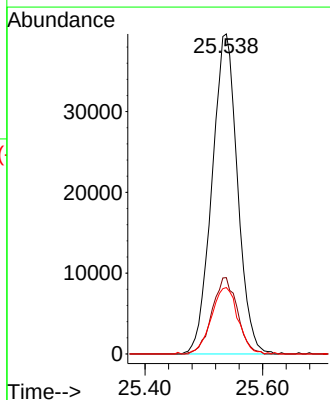
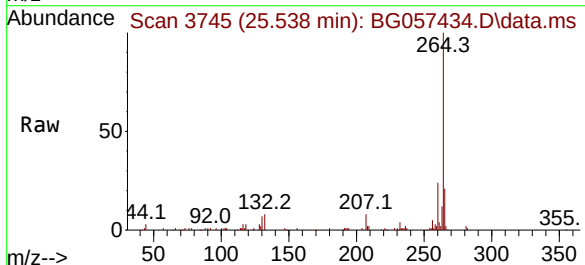
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

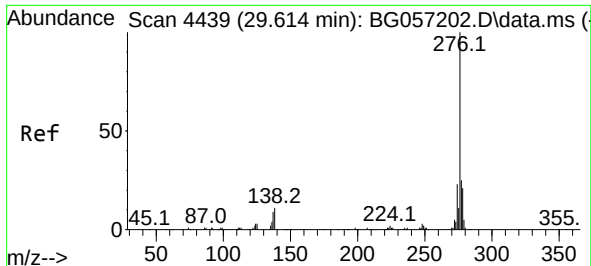
Tgt Ion:149 Resp: 188582
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.5 7.8 11.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.538 min Scan# 3745
Delta R.T. 0.004 min
Lab File: BG057434.D
Acq: 15 May 2023 13:25

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

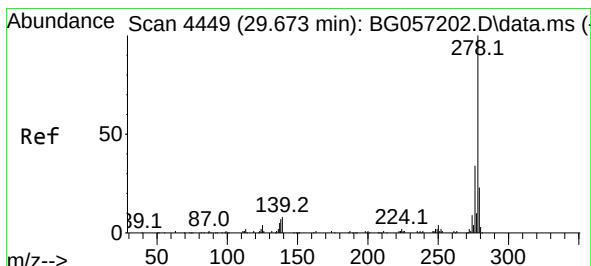
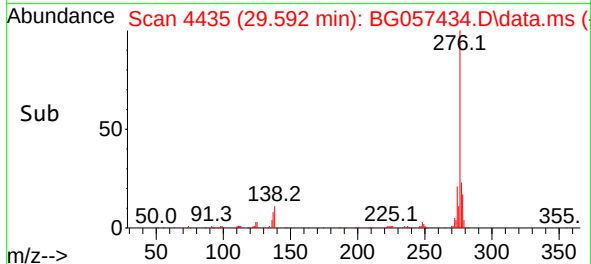
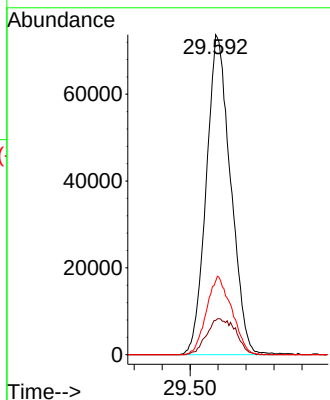
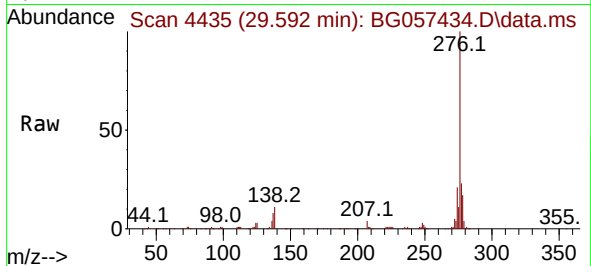




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 51.159 ng
 RT: 29.592 min Scan# 4435
 Delta R.T. -0.008 min
 Lab File: BG057434.D
 Acq: 15 May 2023 13:25

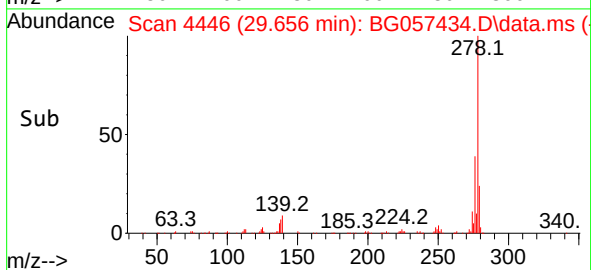
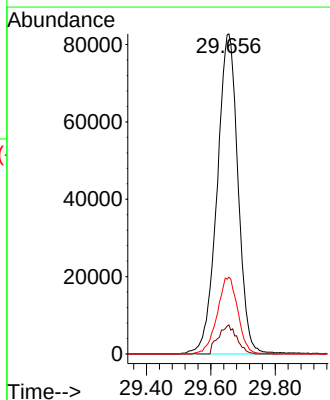
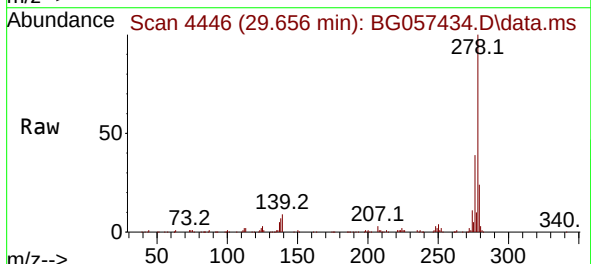
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

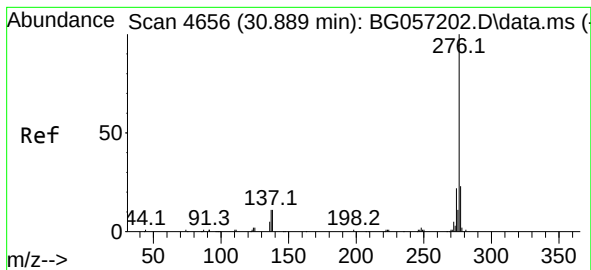
Tgt Ion:276 Resp: 444448
 Ion Ratio Lower Upper
 276 100
 138 13.4 5.4 8.0#
 277 25.5 20.6 30.8



#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

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# 4

Delta R.T. -0.008 min

Lab File: BG057434.D

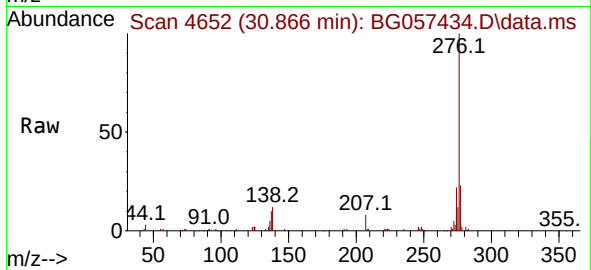
Acq: 15 May 2023 13:25

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL



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

