

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057771.D
 Acq On : 20 Jun 2023 11:26
 Operator : CG/JU
 Sample : 03262-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WS-SOIL2-0615

Quant Time: Jun 20 12:07:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.926	152	29561	20.000	ng	0.00
21) Naphthalene-d8	10.729	136	121923	20.000	ng	0.00
39) Acenaphthene-d10	14.560	164	81496	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	219583	20.000	ng	0.00
76) Chrysene-d12	21.552	240	207884	20.000	ng	0.00
86) Perylene-d12	24.701	264	253579	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.494	112	253426	132.187	ng	0.00
7) Phenol-d6	7.080	99	356362	121.820	ng	0.00
23) Nitrobenzene-d5	9.084	82	209773	88.304	ng	0.00
42) 2,4,6-Tribromophenol	16.046	330	164071	144.526	ng	0.00
45) 2-Fluorobiphenyl	13.185	172	444345	82.698	ng	0.00
79) Terphenyl-d14	19.918	244	919090	82.440	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.373	88	54	0.062	ng	# 1
4) n-Nitrosodimethylamine	3.731	42	120	0.099	ng	# 1
9) Benzaldehyde	7.086	77	696	0.378	ng	# 4
10) Phenol	7.104	94	73	0.025	ng	# 1
15) Benzyl Alcohol	7.915	79	952	0.426	ng	# 47
16) 2,2'-oxybis(1-Chloropr...	8.438	45	130	0.031	ng	# 74
19) n-Nitroso-di-n-propyla...	9.084	70	26913	13.196	ng	# 75
24) Nitrobenzene	9.090	77	676	0.273	ng	# 24
27) 2,4-Dimethylphenol	9.907	122	54	0.028	ng	# 1
31) Naphthalene	10.776	128	163	0.025	ng	# 69
32) Benzoic acid	9.907	122	54	0.038	ng	# 1
36) 4-Chloro-3-methylphenol	11.816	107	53	0.022	ng	# 23
37) 2-Methylnaphthalene	12.380	142	54	0.011	ng	# 72
38) 1-Methylnaphthalene	12.380	142	54	0.012	ng	# 90
46) 1,1'-Biphenyl	13.185	154	658	0.118	ng	# 1
48) 2-Nitroaniline	13.637	65	63	0.041	ng	# 12
49) Acenaphthylene	14.278	152	309	0.042	ng	# 60
51) 2,6-Dinitrotoluene	14.560	165	11069	9.603	ng	# 21
52) Acenaphthene	14.619	154	582	0.127	ng	# 80
55) Dibenzofuran	14.959	168	312	0.042	ng	# 47
56) 4-Nitrophenol	14.948	139	61	0.059	ng	# 50
57) 2,4-Dinitrotoluene	15.018	165	417	0.267	ng	# 18
58) Fluorene	15.606	166	708	0.122	ng	# 79
60) Diethylphthalate	15.377	149	667	0.104	ng	# 60
63) Azobenzene	15.911	77	12789	1.947	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.046	198	340	5.611	ng	# 1
66) n-Nitrosodiphenylamine	16.041	169	4705	0.812	ng	# 52
67) 4-Bromophenyl-phenylether	16.046	248	10791	4.634	ng	# 1
70) Pentachlorophenol	16.945	266	55	0.031	ng	# 6
71) Phenanthrene	17.345	178	18787	1.767	ng	95
72) Anthracene	17.345	178	18787	1.730	ng	97
73) Carbazole	17.697	167	1752	0.175	ng	99
74) Di-n-butylphthalate	18.267	149	3882	0.328	ng	# 97
75) Fluoranthene	19.354	202	41685	3.291	ng	97
77) Benzidine	19.918	184	12479	2.561	ng	# 94
78) Pyrene	19.713	202	54688	3.688	ng	98

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

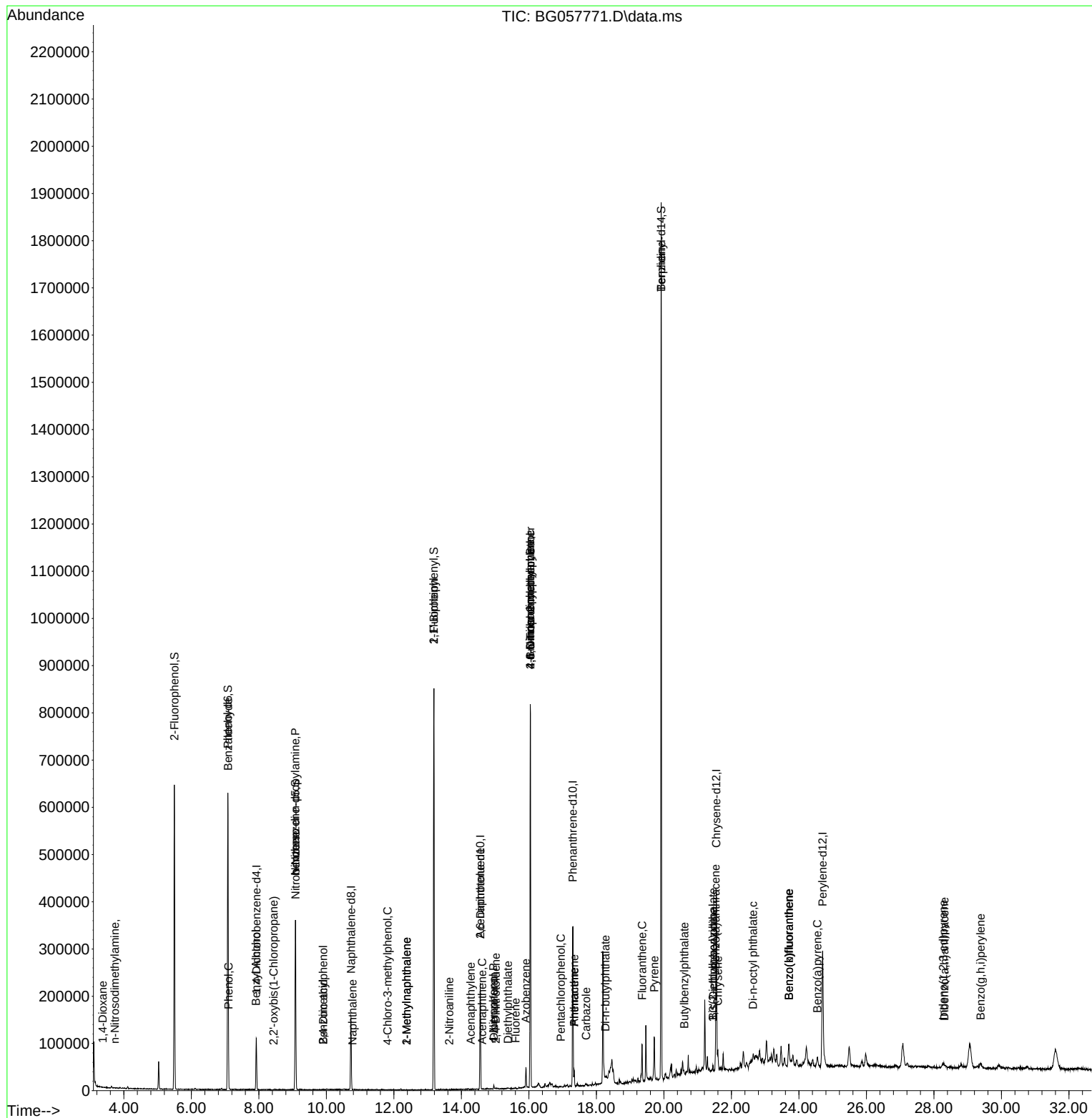
80) Butylbenzylphthalate	20.606	149	1065	0.189	ng	# 86
81) Benzo(a)anthracene	21.534	228	26884	1.885	ng	96
82) 3,3'-Dichlorobenzidine	21.458	252	204	0.042	ng	# 25
83) Chrysene	21.599	228	24820	1.813	ng	99
84) Bis(2-ethylhexyl)phtha...	21.452	149	4082	0.498	ng	# 76
85) Di-n-octyl phthalate	22.645	149	9619	0.670	ng	# 64
87) Indeno(1,2,3-cd)pyrene	28.273	276	16469	0.993	ng	98
88) Benzo(b)fluoranthene	23.702	252	25884	1.863	ng	# 96
89) Benzo(k)fluoranthene	23.702	252	25884	1.829	ng	# 94
90) Benzo(a)pyrene	24.542	252	21036	1.541	ng	# 91
91) Dibenzo(a,h)anthracene	28.314	278	3577	0.260	ng	# 85
92) Benzo(g,h,i)perylene	29.384	276	16262	1.181	ng	# 93

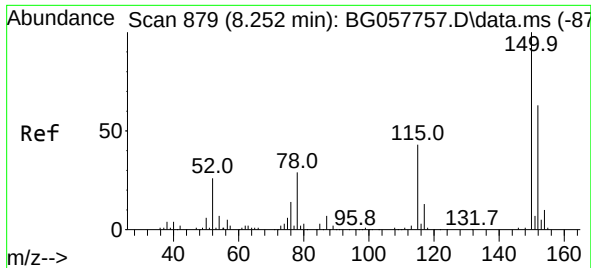
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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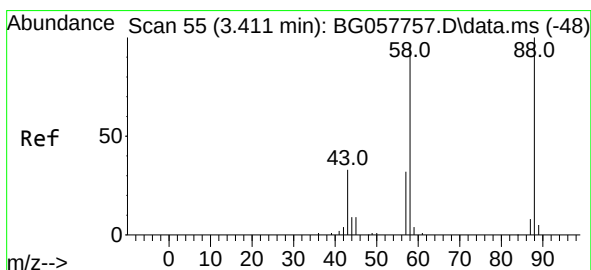
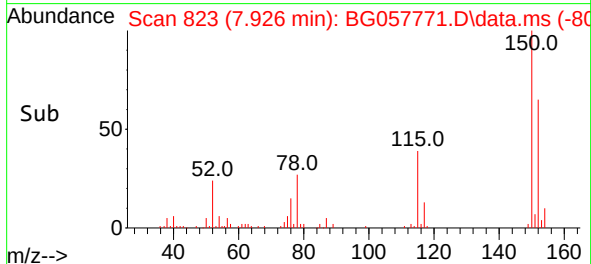
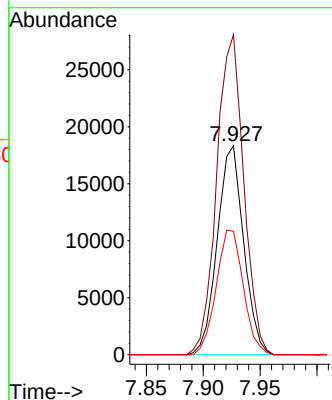
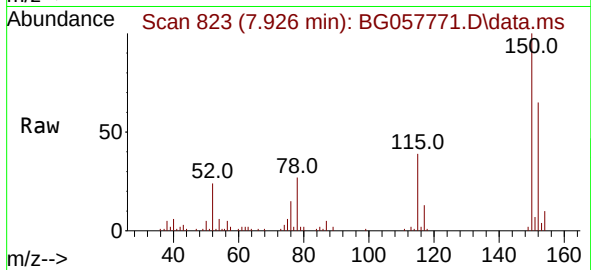




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.926 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

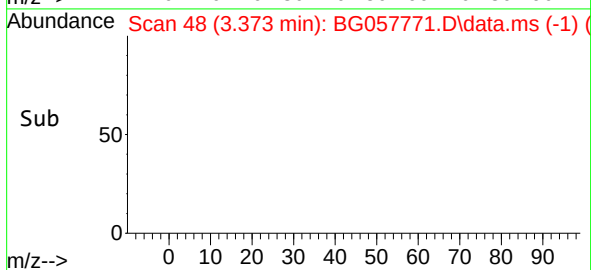
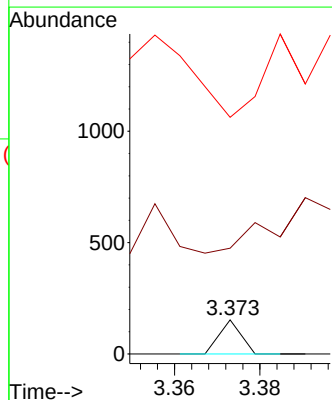
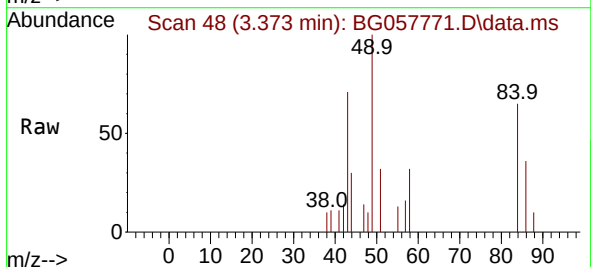
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

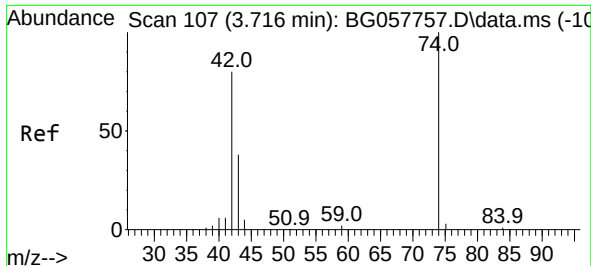
Tgt Ion:152 Resp: 29561
Ion Ratio Lower Upper
152 100
150 153.1 126.6 189.8
115 59.0 48.9 73.3



#2
1,4-Dioxane
Concen: 0.062 ng
RT: 3.373 min Scan# 48
Delta R.T. -0.038 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
58 540.7 76.2 114.4#
43 0.0 26.3 39.5#

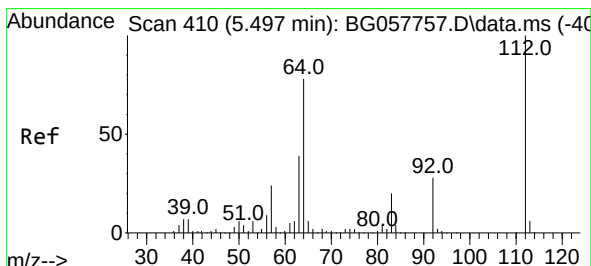
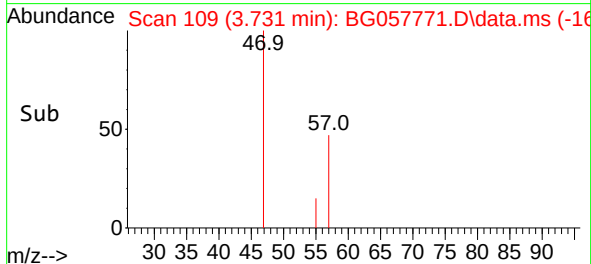
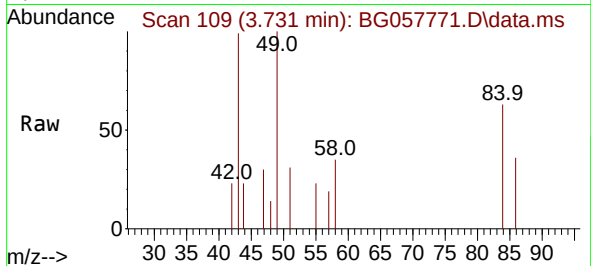




#4
n-Nitrosodimethylamine
Concen: 0.099 ng
RT: 3.731 min Scan# 107
Delta R.T. 0.015 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

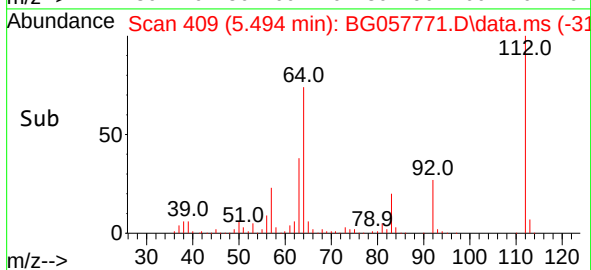
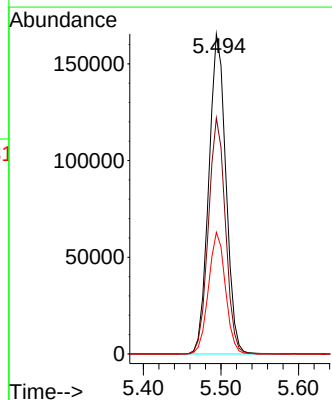
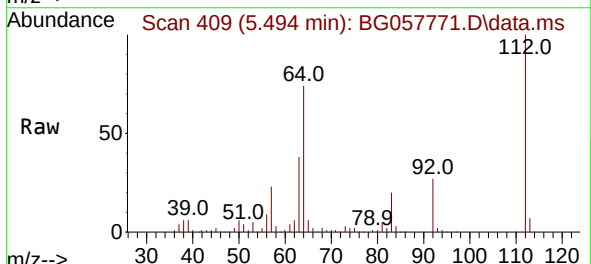
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ClientSampleId :
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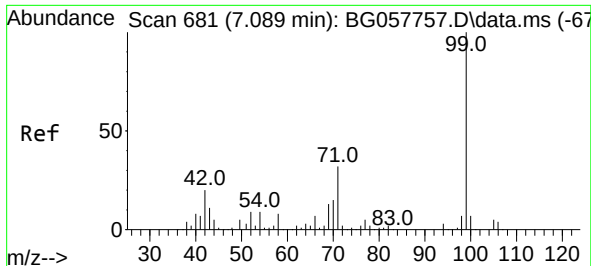
Tgt Ion: 42 Resp: 120
Ion Ratio Lower Upper
42 100
74 0.0 99.9 149.9#
44 98.5 6.0 9.0#



#5
2-Fluorophenol
Concen: 132.187 ng
RT: 5.494 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion: 112 Resp: 253426
Ion Ratio Lower Upper
112 100
64 73.8 62.1 93.1
63 38.0 31.5 47.3

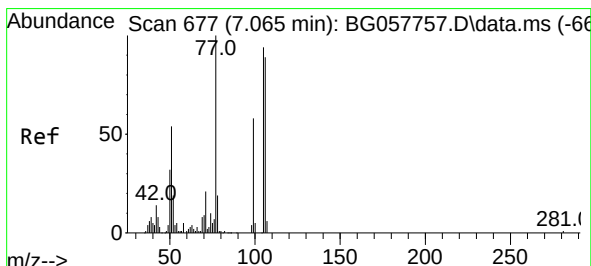
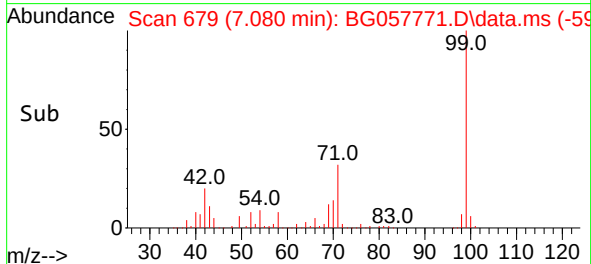
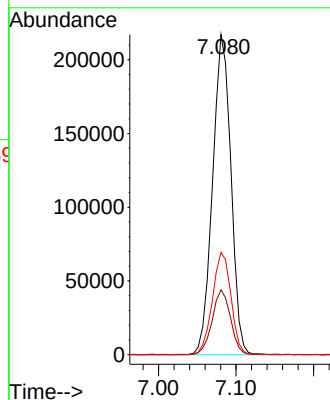
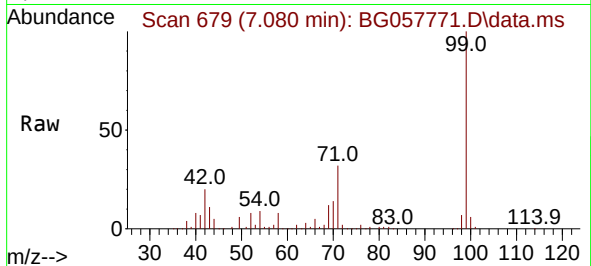




#7
Phenol-d6
Concen: 121.820 ng
RT: 7.080 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

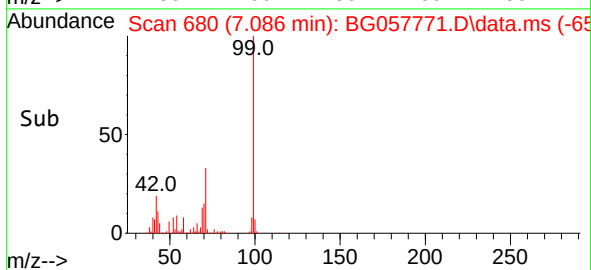
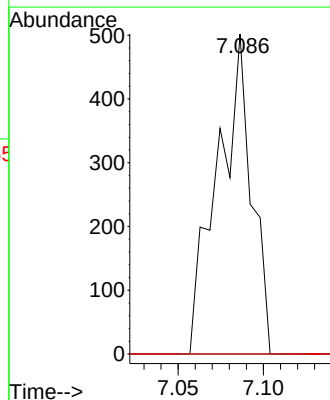
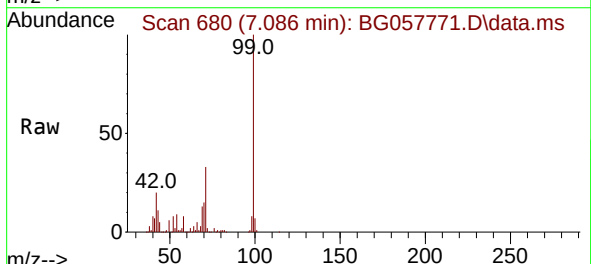
Instrument :
BNA_G
ClientSampleId :
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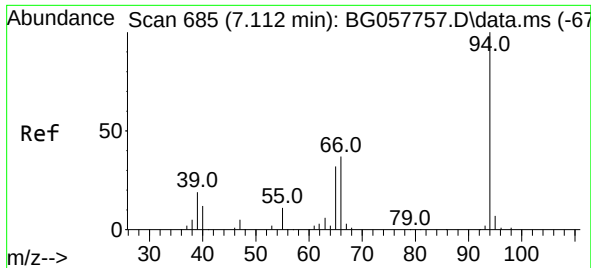
Tgt Ion: 99 Resp: 356362
Ion Ratio Lower Upper
99 100
42 20.3 16.4 24.6
71 32.0 25.8 38.6



#9
Benzaldehyde
Concen: 0.378 ng
RT: 7.086 min Scan# 680
Delta R.T. 0.021 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion: 77 Resp: 696
Ion Ratio Lower Upper
77 100
105 0.0 73.7 113.7#
106 0.0 69.0 109.0#

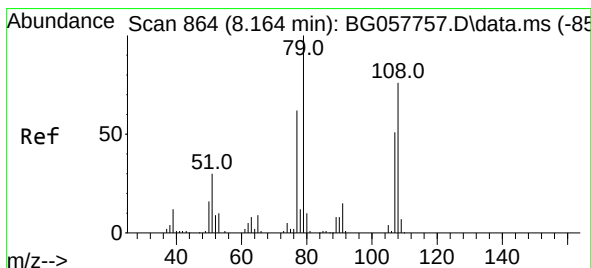
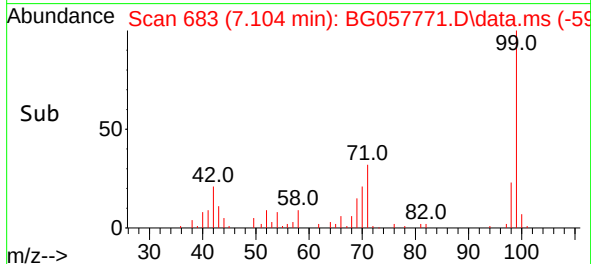
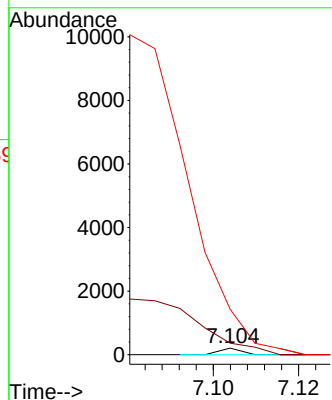
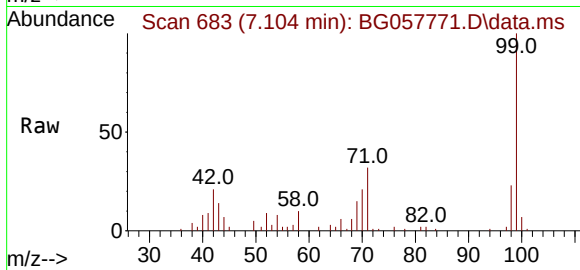




#10
Phenol
Concen: 0.025 ng
RT: 7.104 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

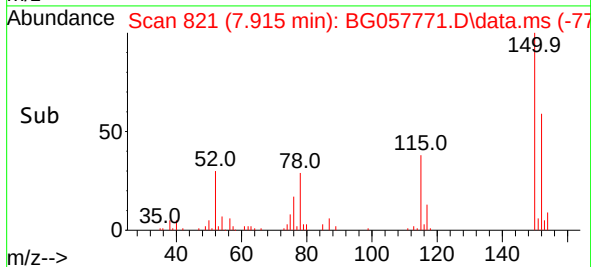
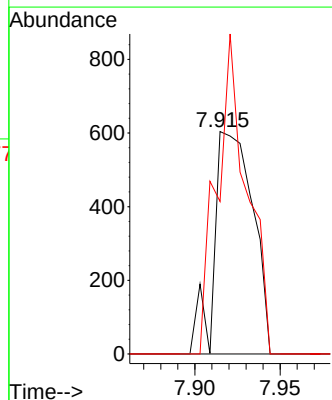
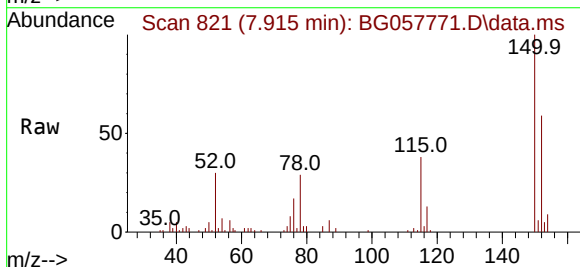
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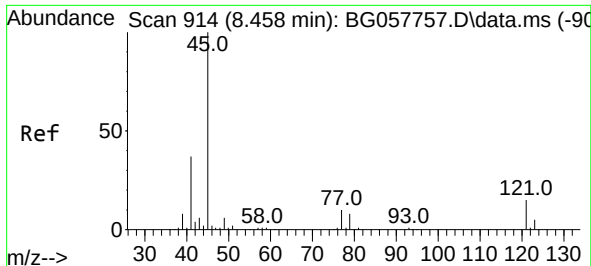
Tgt Ion: 94 Resp: 73
Ion Ratio Lower Upper
94 100
65 176.2 12.2 52.2#
66 693.2 18.3 58.3#



#15
Benzyl Alcohol
Concen: 0.426 ng
RT: 7.915 min Scan# 821
Delta R.T. -0.249 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion: 79 Resp: 952
Ion Ratio Lower Upper
79 100
108 0.0 60.5 90.7#
77 68.5 49.3 73.9

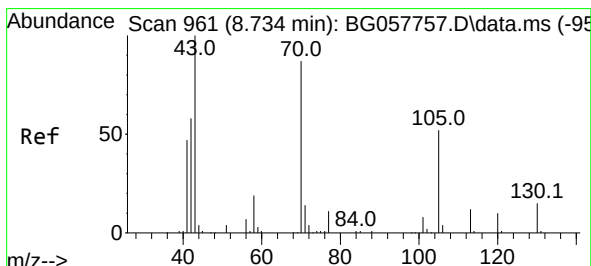
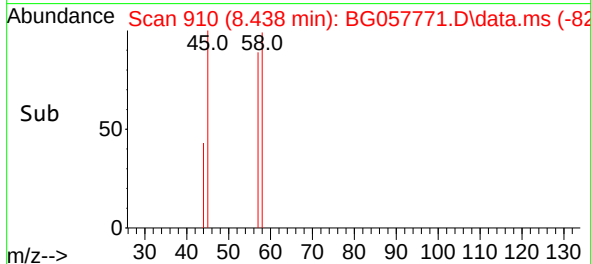
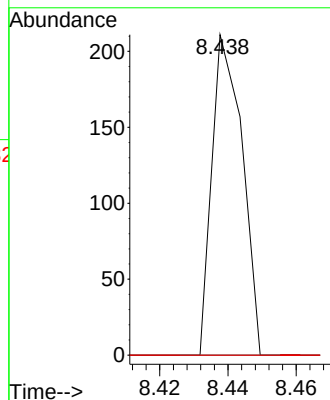
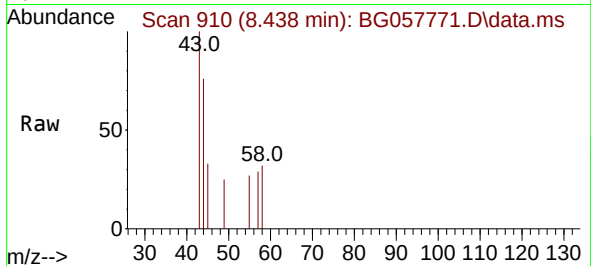




#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.031 ng
RT: 8.438 min Scan# 91
Delta R.T. -0.020 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

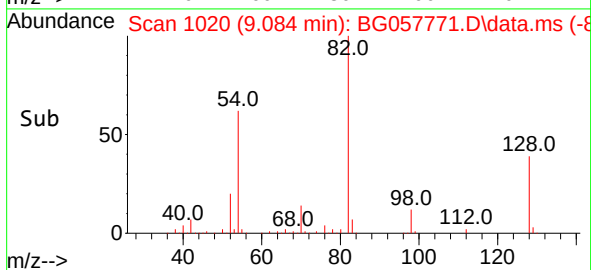
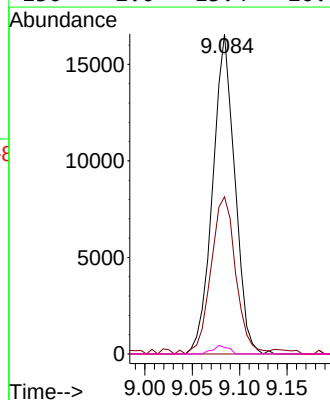
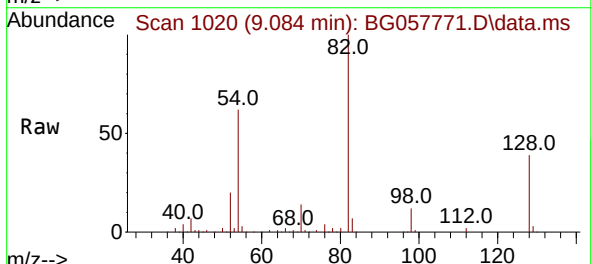
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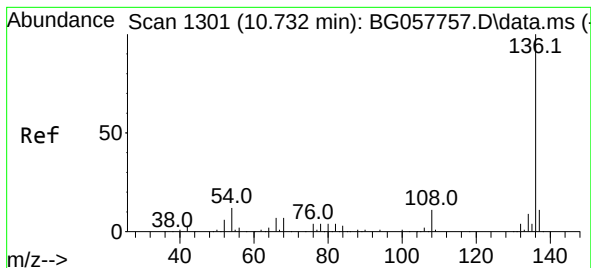
Tgt Ion: 45 Resp: 130
Ion Ratio Lower Upper
45 100
77 0.0 0.0 30.6
79 0.0 0.0 28.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.196 ng
RT: 9.084 min Scan# 1020
Delta R.T. 0.350 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion: 70 Resp: 26913
Ion Ratio Lower Upper
70 100
42 49.1 54.2 81.2#
101 0.0 7.4 11.0#
130 2.0 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.729 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

Instrument :

BNA_G

ClientSampleId :

WS-SOIL2-0615

Tgt Ion:136 Resp: 121923

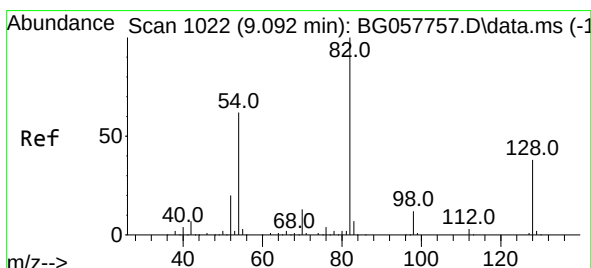
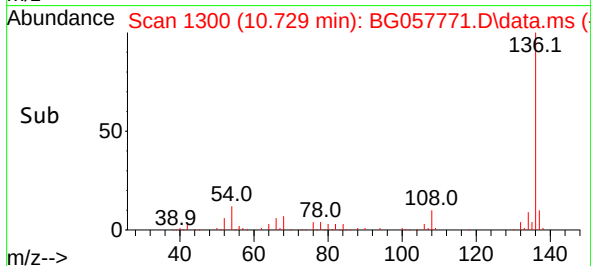
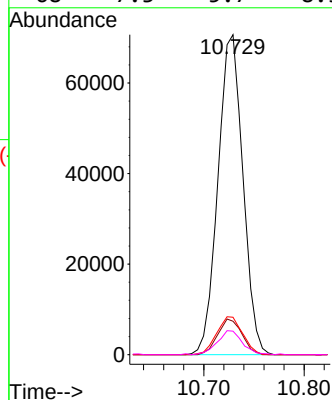
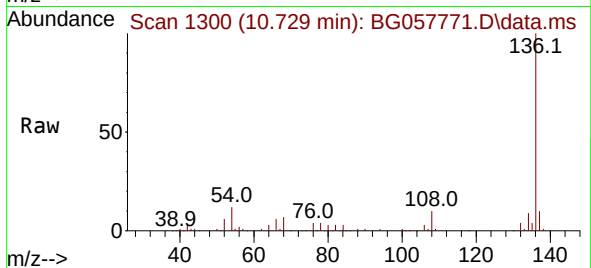
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 11.7 9.5 14.3

68 7.3 5.7 8.5



#23

Nitrobenzene-d5

Concen: 88.304 ng

RT: 9.084 min Scan# 1020

Delta R.T. -0.009 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

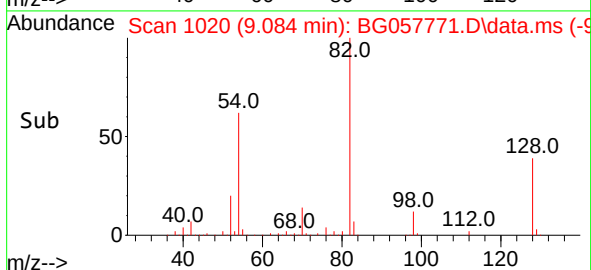
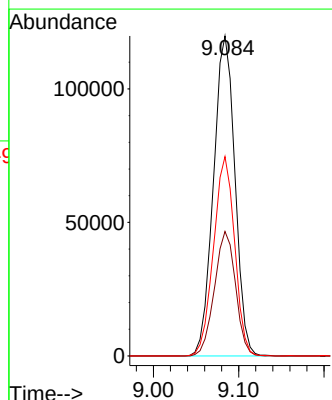
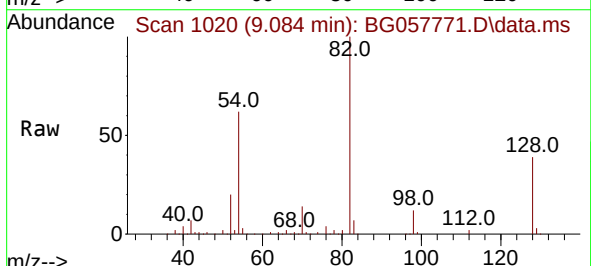
Tgt Ion: 82 Resp: 209773

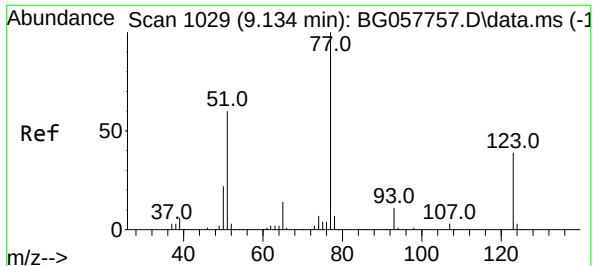
Ion Ratio Lower Upper

82 100

128 38.9 30.7 46.1

54 62.3 49.6 74.4

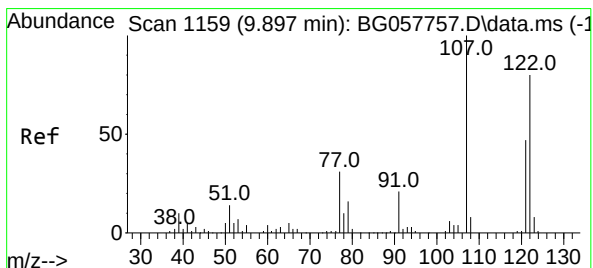
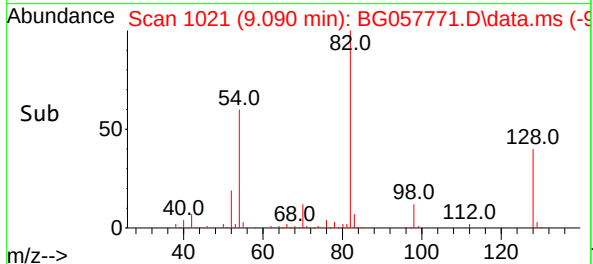
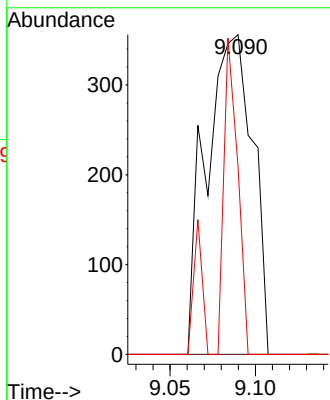
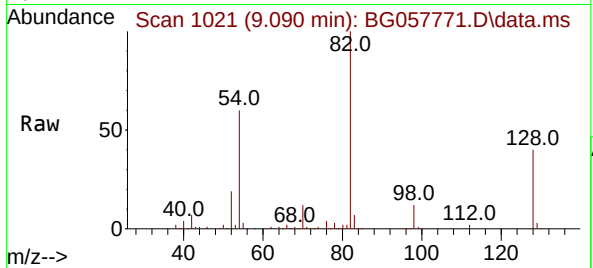




#24
Nitrobenzene
Concen: 0.273 ng
RT: 9.090 min Scan# 1160
Delta R.T. -0.044 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

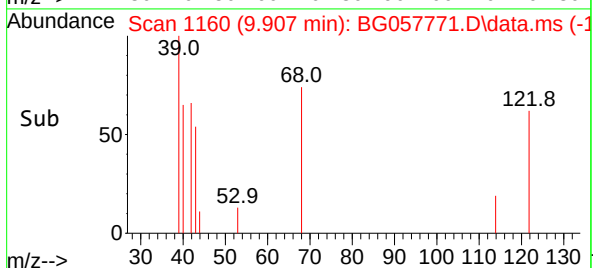
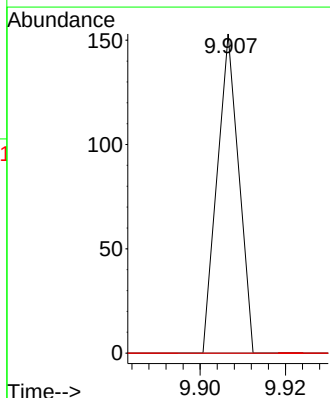
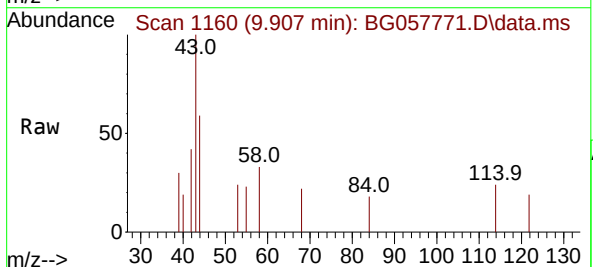
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

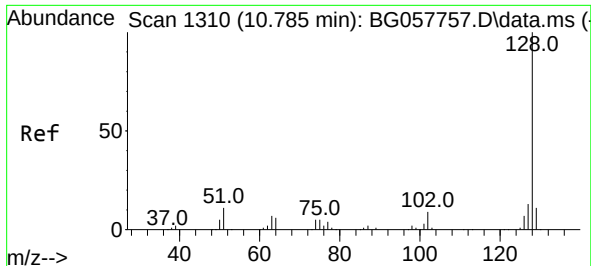
Tgt Ion: 77 Resp: 676
Ion Ratio Lower Upper
77 100
123 0.0 31.4 47.2#
65 58.7 11.2 16.8#



#27
2,4-Dimethylphenol
Concen: 0.028 ng
RT: 9.907 min Scan# 1160
Delta R.T. 0.009 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion: 122 Resp: 54
Ion Ratio Lower Upper
122 100
107 0.0 98.9 148.3#
121 0.0 46.4 69.6#

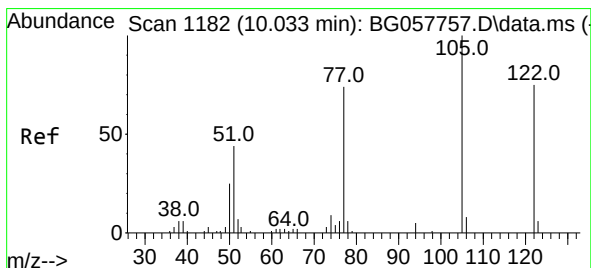
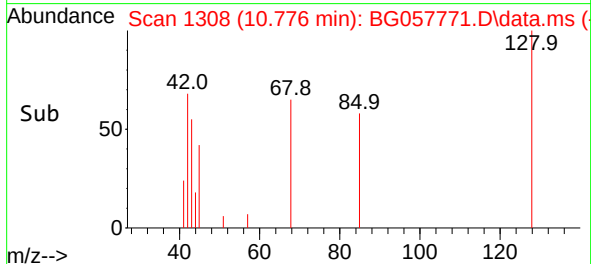
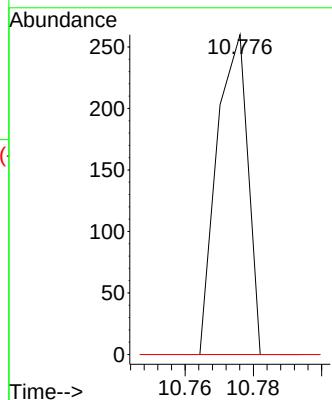
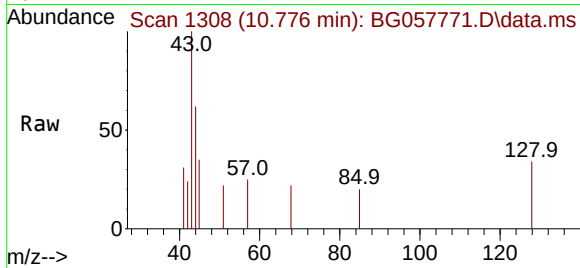




#31
Naphthalene
Concen: 0.025 ng
RT: 10.776 min Scan# 1160
Delta R.T. -0.009 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

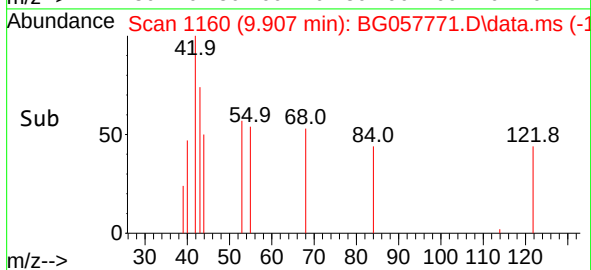
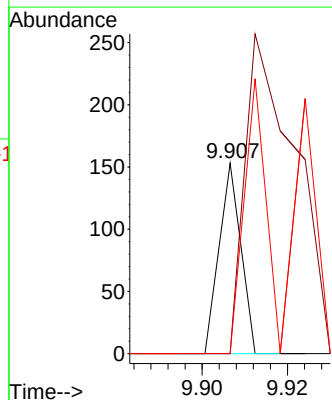
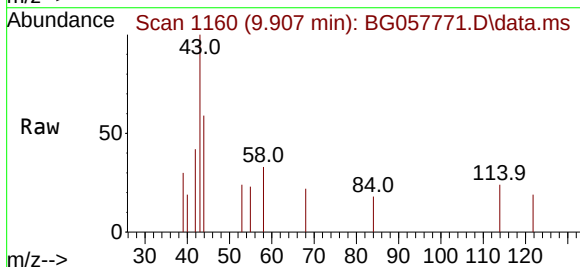
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

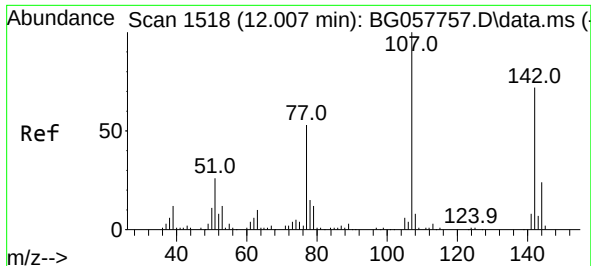
Tgt Ion:128 Resp: 163
Ion Ratio Lower Upper
128 100
129 0.0 8.5 12.7#
127 0.0 10.7 16.1#



#32
Benzoic acid
Concen: 0.038 ng
RT: 9.907 min Scan# 1160
Delta R.T. -0.126 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 110.1 150.1#
77 0.0 78.2 118.2#

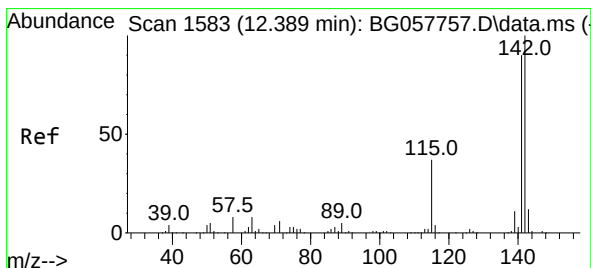
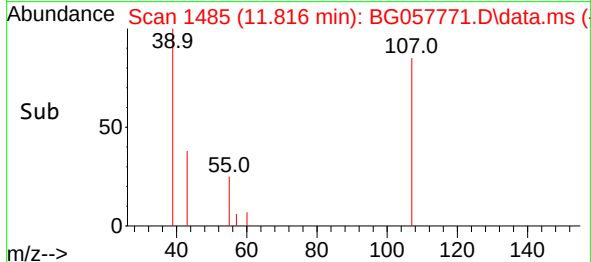
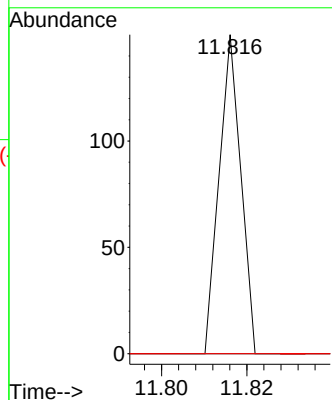
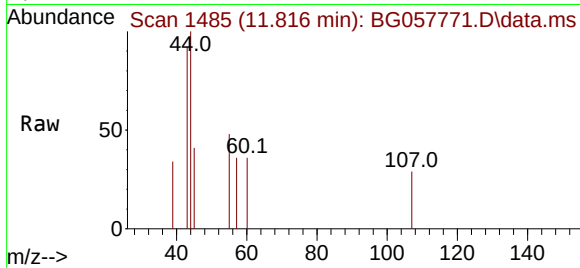




#36
4-Chloro-3-methylphenol
Concen: 0.022 ng
RT: 11.816 min Scan# 14
Delta R.T. -0.191 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

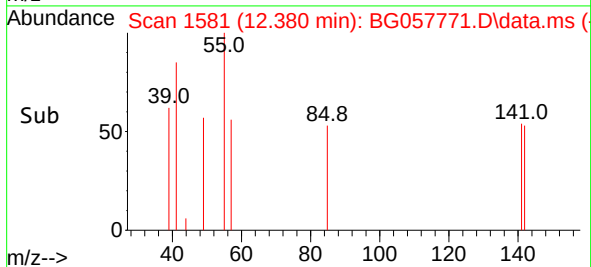
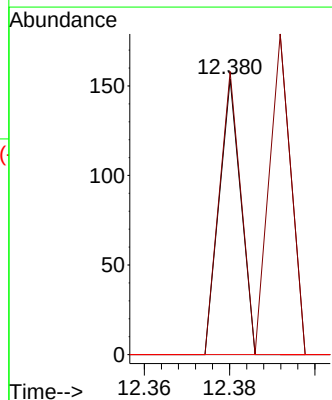
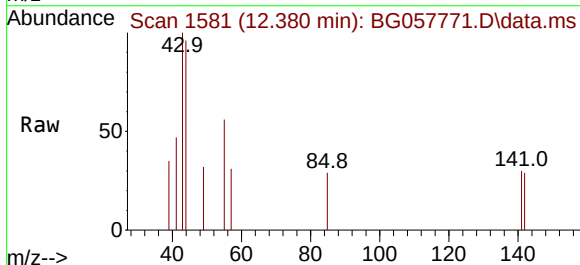
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

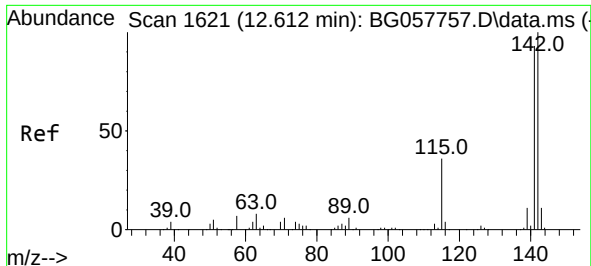
Tgt Ion:107 Resp: 53
Ion Ratio Lower Upper
107 100
144 0.0 19.5 29.3#
142 0.0 57.9 86.9#



#37
2-Methylnaphthalene
Concen: 0.011 ng
RT: 12.380 min Scan# 1581
Delta R.T. -0.009 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
141 102.6 72.1 108.1
115 0.0 29.7 44.5#

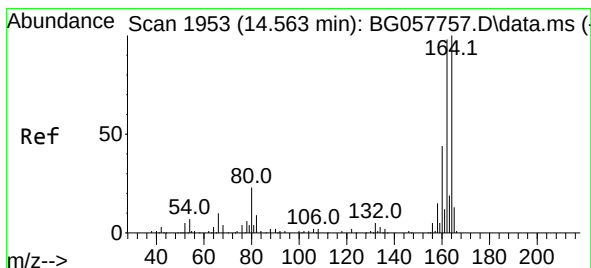
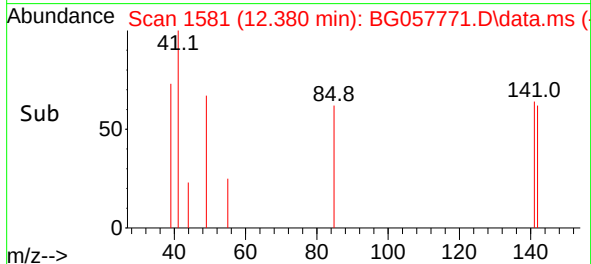
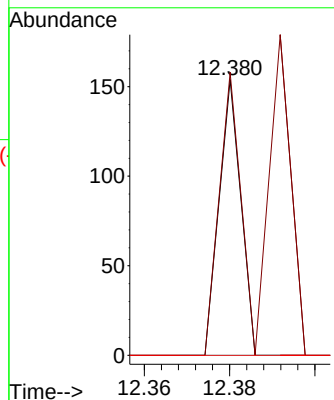
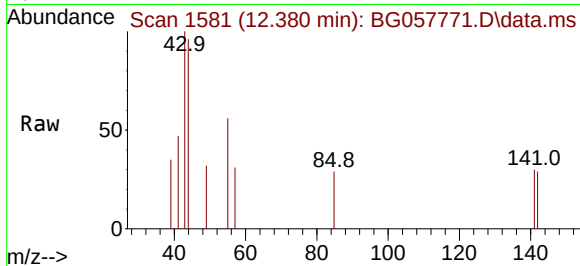




#38
1-Methylnaphthalene
Concen: 0.012 ng
RT: 12.380 min Scan# 1581
Delta R.T. -0.232 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

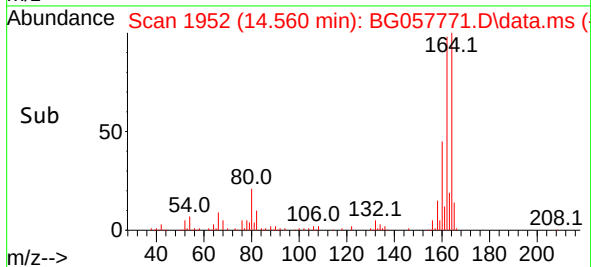
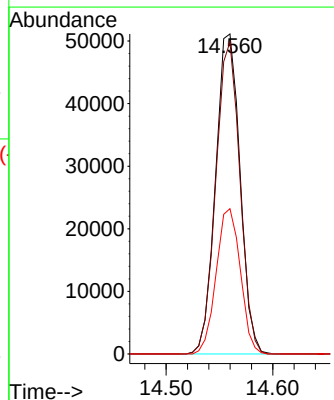
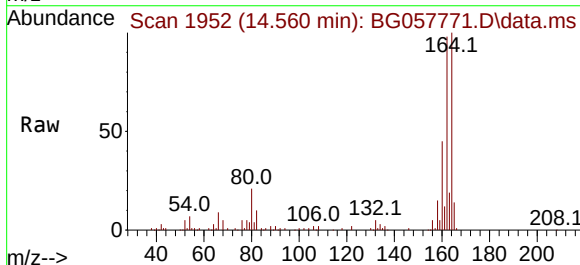
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

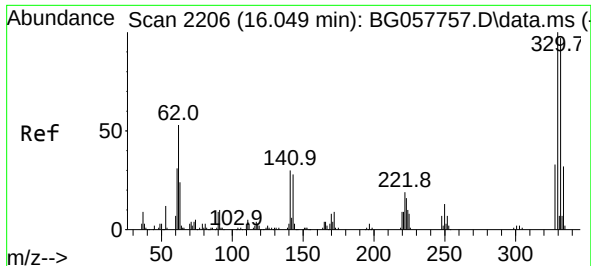
Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
141 102.6 74.2 111.4
116 0.0 3.1 4.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.560 min Scan# 1952
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:164 Resp: 81496
Ion Ratio Lower Upper
164 100
162 97.5 78.3 117.5
160 45.4 35.4 53.0

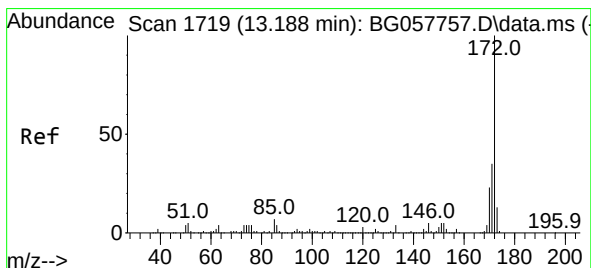
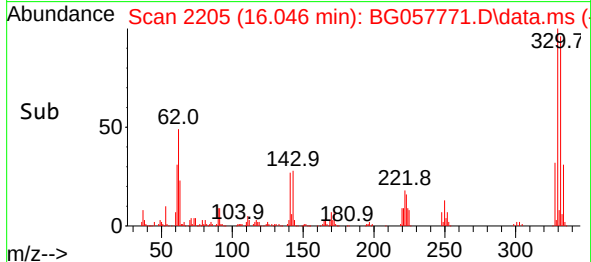
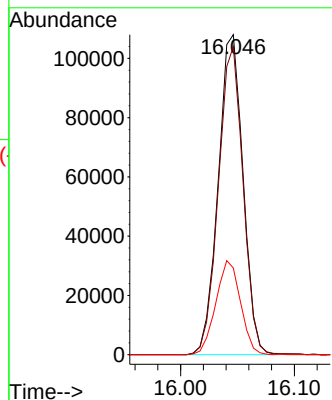
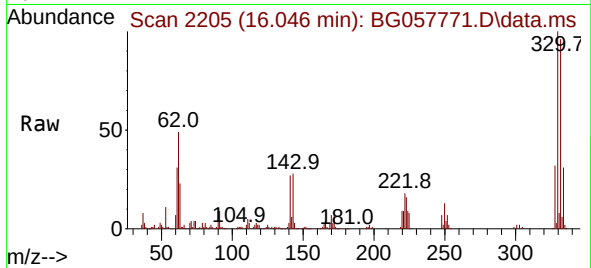




#42
2,4,6-Tribromophenol
Concen: 144.526 ng
RT: 16.046 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

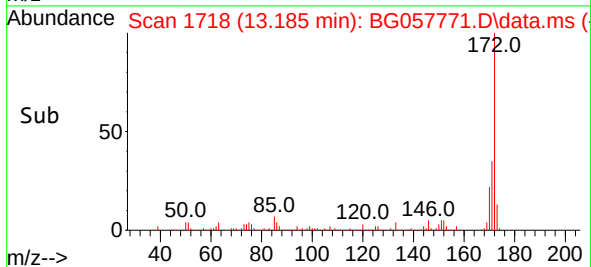
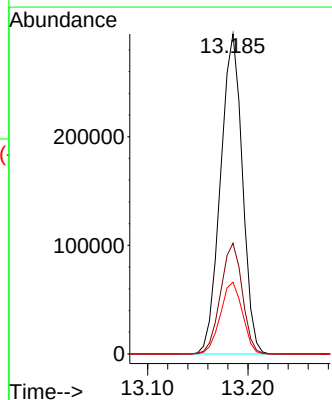
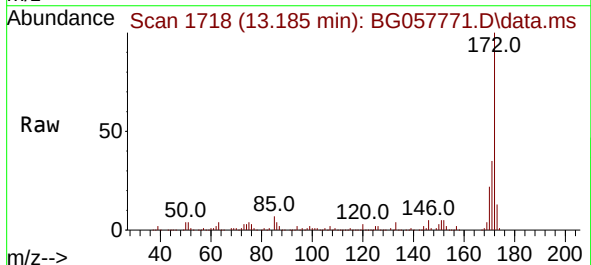
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

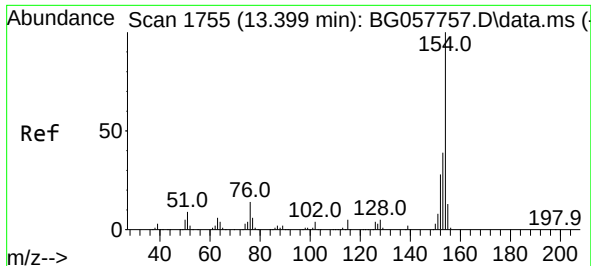
Tgt Ion:330 Resp: 164071
Ion Ratio Lower Upper
330 100
332 95.3 76.6 115.0
141 29.1 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 82.698 ng
RT: 13.185 min Scan# 1718
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:172 Resp: 444345
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 22.4 18.6 27.8

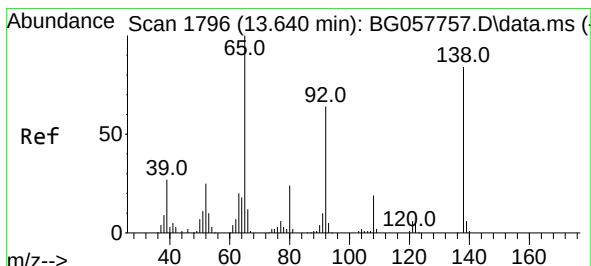
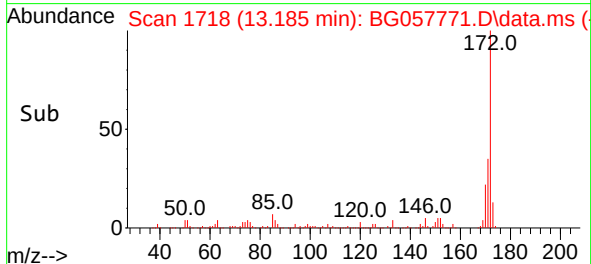
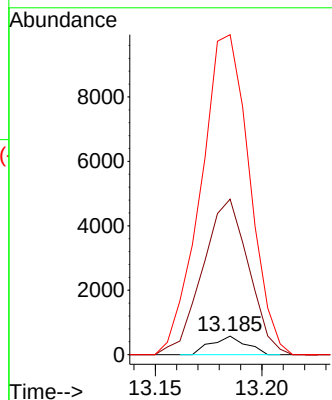
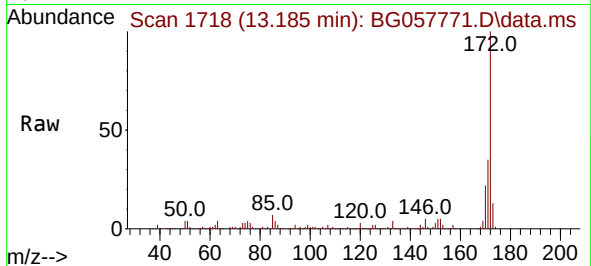




#46
1,1'-Biphenyl
Concen: 0.118 ng
RT: 13.185 min Scan# 1755
Delta R.T. -0.214 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

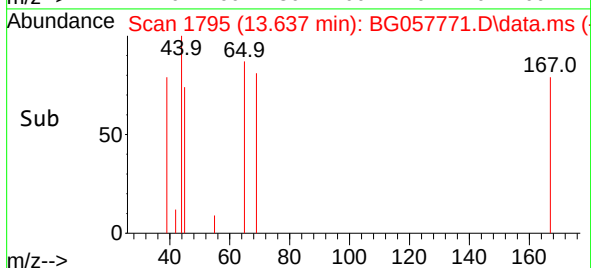
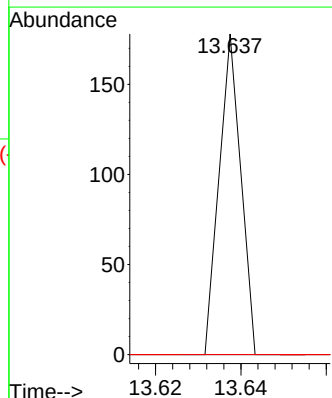
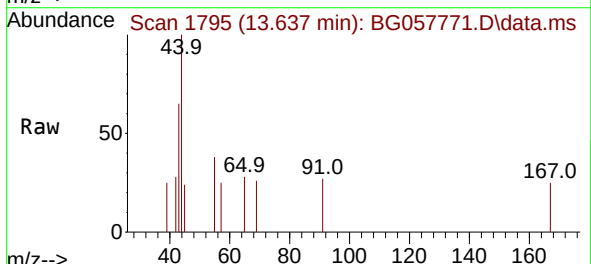
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

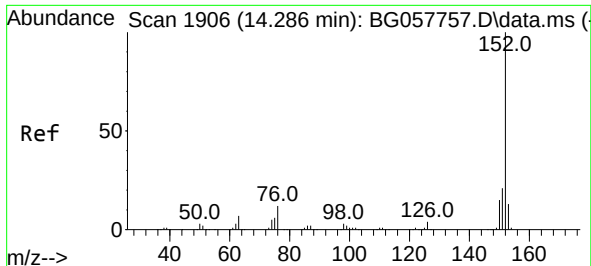
Tgt Ion:154 Resp: 658
Ion Ratio Lower Upper
154 100
153 837.1 19.1 59.1#
76 1721.5 0.0 34.3#



#48
2-Nitroaniline
Concen: 0.041 ng
RT: 13.637 min Scan# 1795
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion: 65 Resp: 63
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 67.2 100.8#

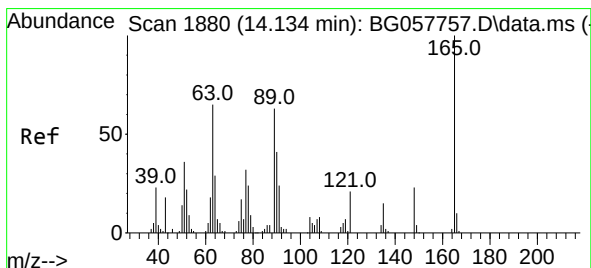
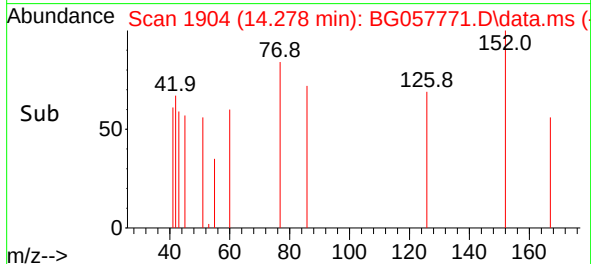
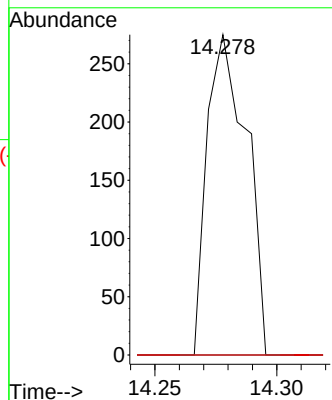
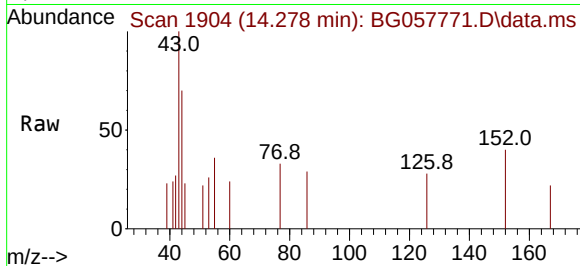




#49
Acenaphthylene
Concen: 0.042 ng
RT: 14.278 min Scan# 1904
Delta R.T. -0.009 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

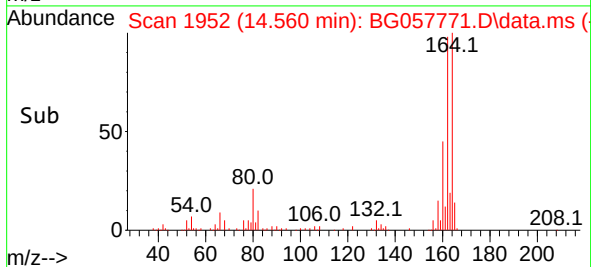
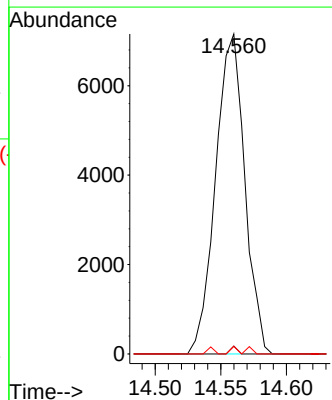
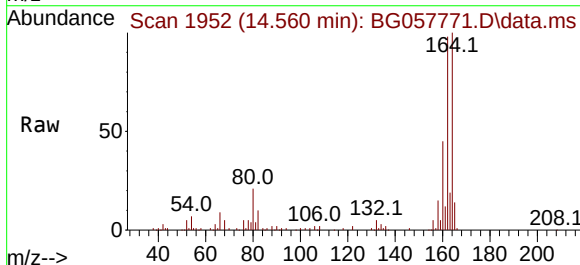
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

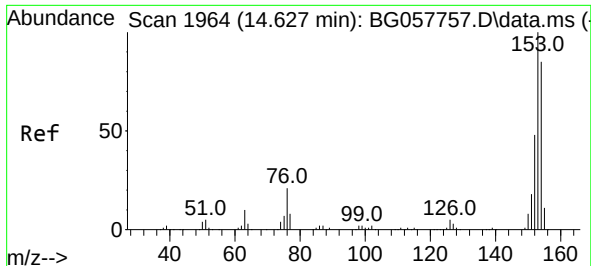
Tgt Ion:152 Resp: 309
Ion Ratio Lower Upper
152 100
151 0.0 17.0 25.4#
153 0.0 10.5 15.7#



#51
2,6-Dinitrotoluene
Concen: 9.603 ng
RT: 14.560 min Scan# 1952
Delta R.T. 0.426 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:165 Resp: 11069
Ion Ratio Lower Upper
165 100
63 2.5 52.8 79.2#
89 2.4 50.7 76.1#

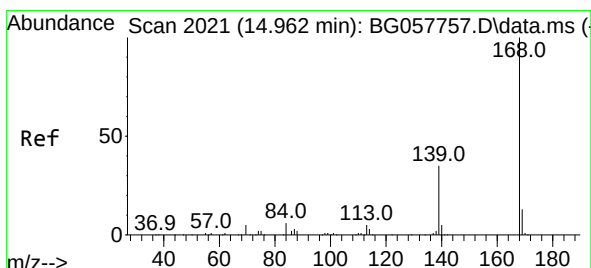
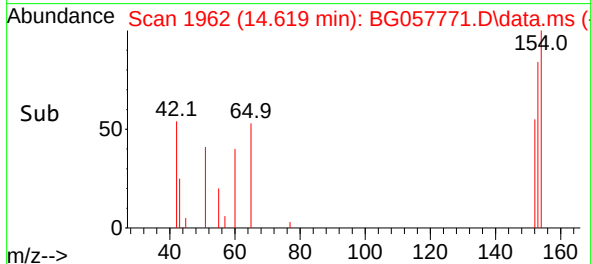
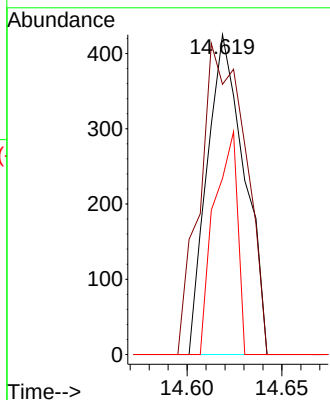
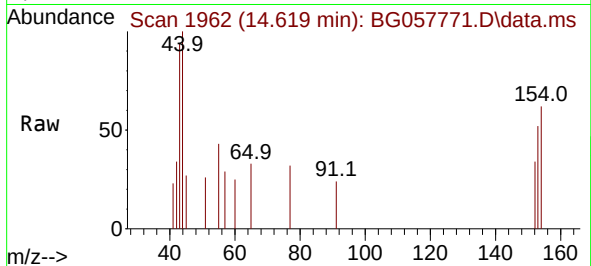




#52
Acenaphthene
Concen: 0.127 ng
RT: 14.619 min Scan# 1962
Delta R.T. -0.009 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

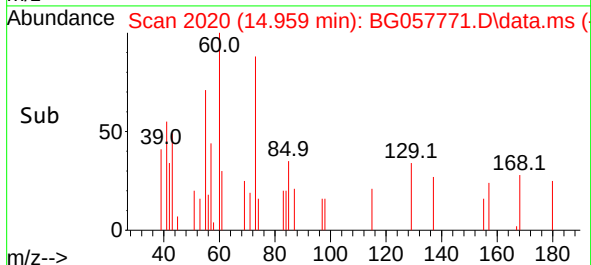
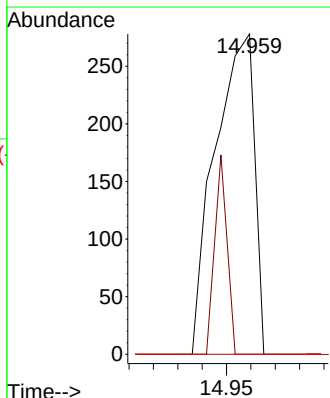
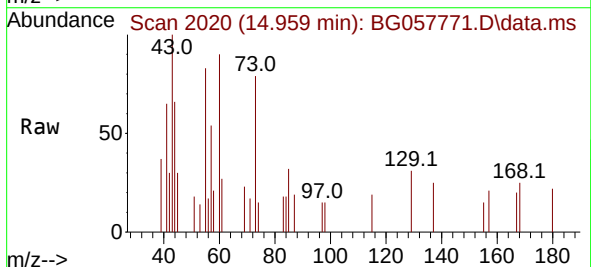
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

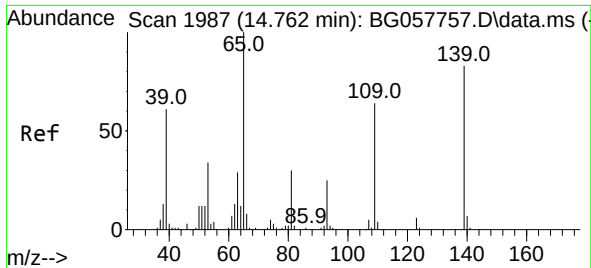
Tgt Ion:154 Resp: 582
Ion Ratio Lower Upper
154 100
153 84.5 93.6 140.4#
152 55.1 44.7 67.1



#55
Dibenzofuran
Concen: 0.042 ng
RT: 14.959 min Scan# 2020
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:168 Resp: 312
Ion Ratio Lower Upper
168 100
139 0.0 28.1 42.1#
169 0.0 10.7 16.1#

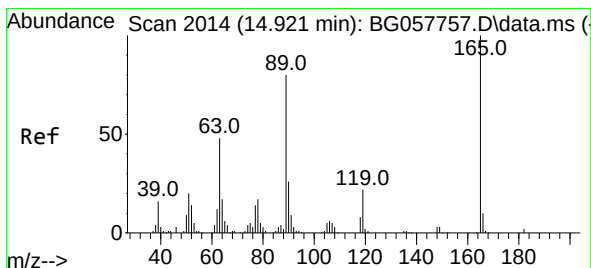
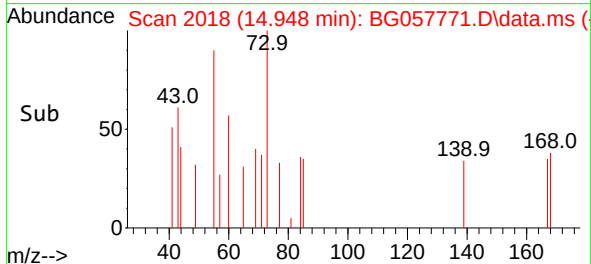
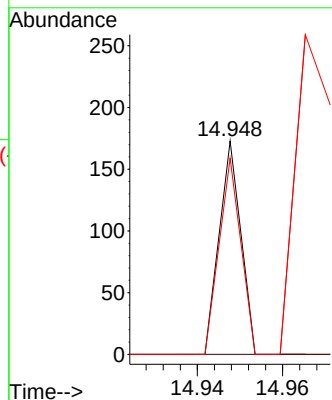
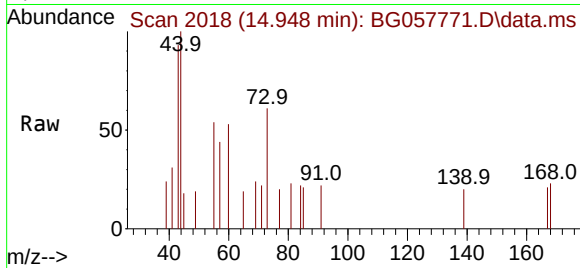




#56
4-Nitrophenol
Concen: 0.059 ng
RT: 14.948 min Scan# 20
Delta R.T. 0.185 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

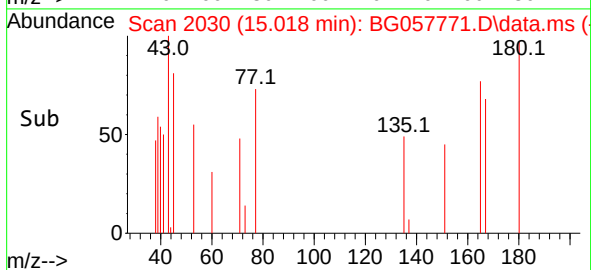
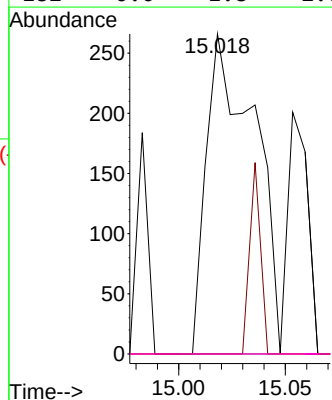
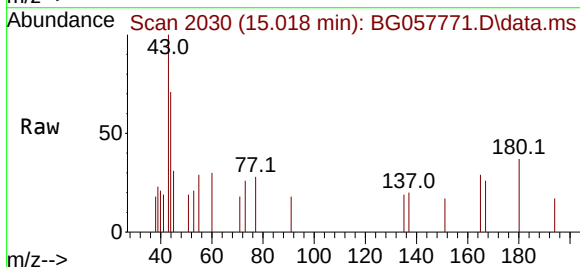
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

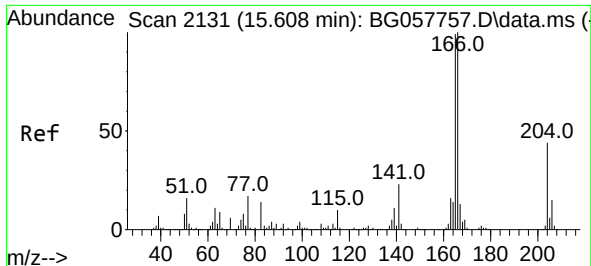
Tgt Ion:139 Resp: 61
Ion Ratio Lower Upper
139 100
109 0.0 57.3 97.3#
65 91.9 100.0 140.0#



#57
2,4-Dinitrotoluene
Concen: 0.267 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.097 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:165 Resp: 417
Ion Ratio Lower Upper
165 100
63 0.0 38.6 58.0#
89 0.0 63.7 95.5#
182 0.0 1.8 2.6#

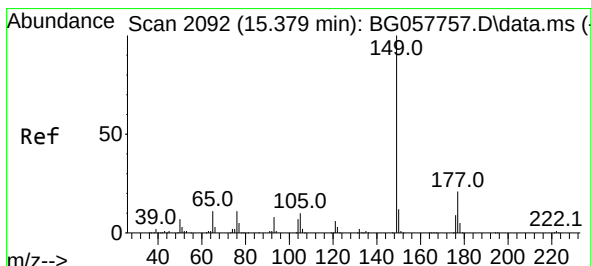
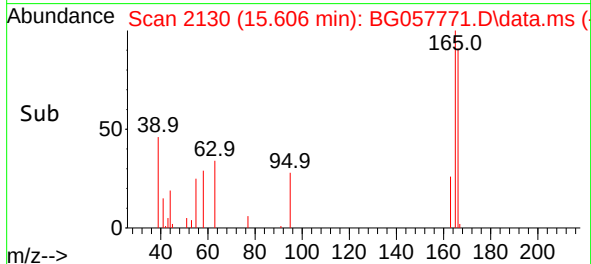
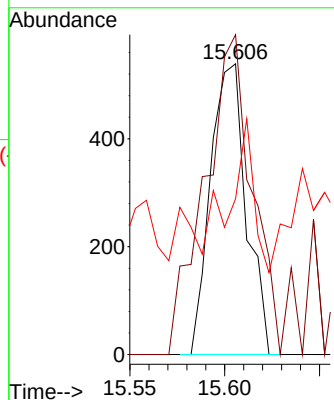
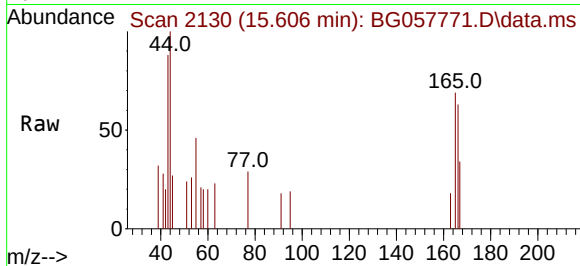




#58
 Fluorene
 Concen: 0.122 ng
 RT: 15.606 min Scan# 2131
 Delta R.T. -0.003 min
 Lab File: BG057771.D
 Acq: 20 Jun 2023 11:26

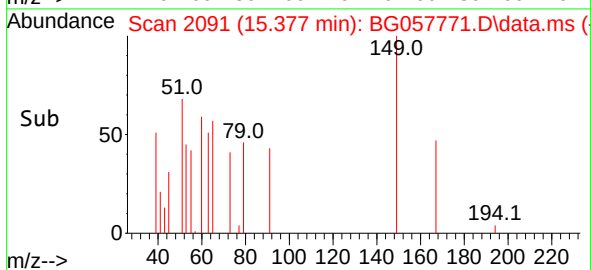
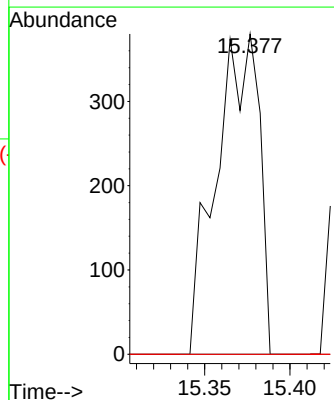
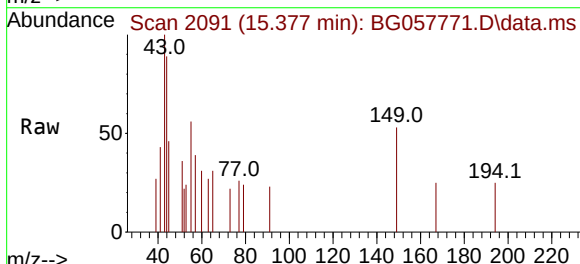
Instrument :
 BNA_G
 ClientSampleId :
 WS-SOIL2-0615

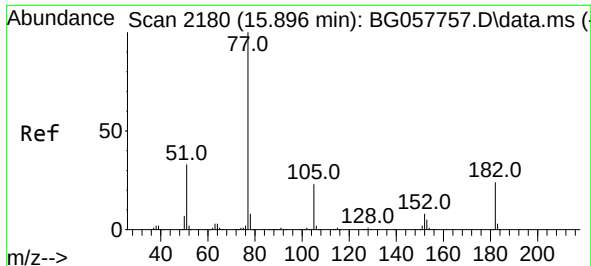
Tgt Ion:166 Resp: 708
 Ion Ratio Lower Upper
 166 100
 165 110.0 79.5 119.3
 167 53.6 10.6 16.0#



#60
 Diethylphthalate
 Concen: 0.104 ng
 RT: 15.377 min Scan# 2091
 Delta R.T. -0.003 min
 Lab File: BG057771.D
 Acq: 20 Jun 2023 11:26

Tgt Ion:149 Resp: 667
 Ion Ratio Lower Upper
 149 100
 177 0.0 17.0 25.6#
 150 0.0 10.0 15.0#

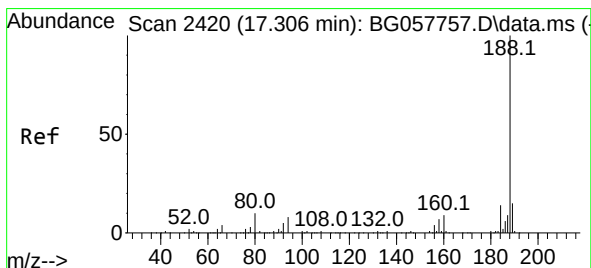
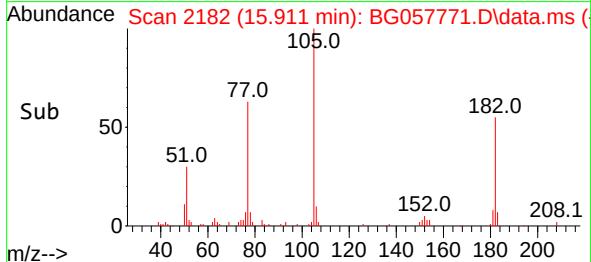
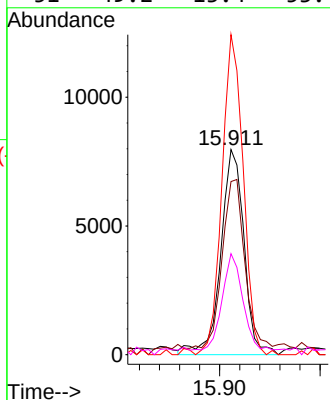
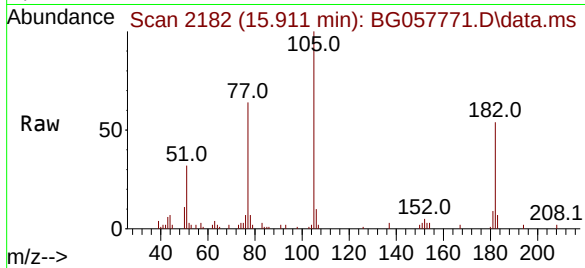




#63
Azobenzene
Concen: 1.947 ng
RT: 15.911 min Scan# 2180
Delta R.T. 0.015 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

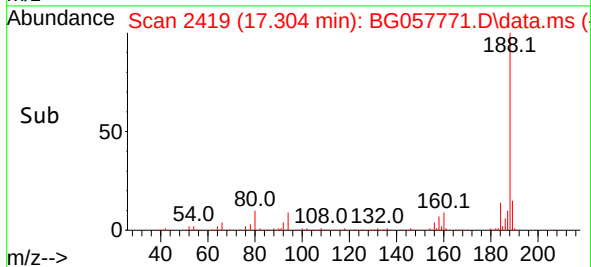
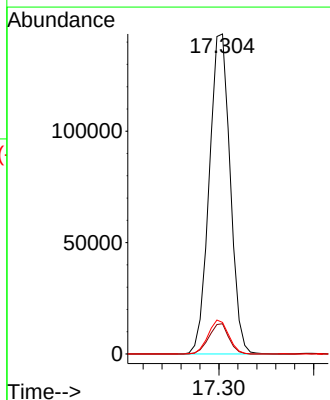
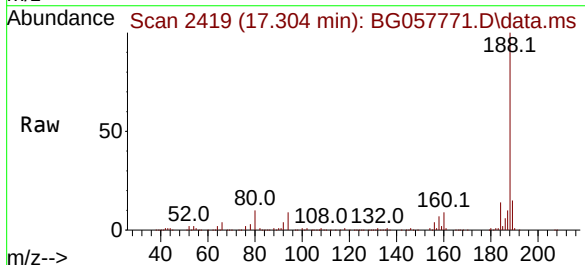
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

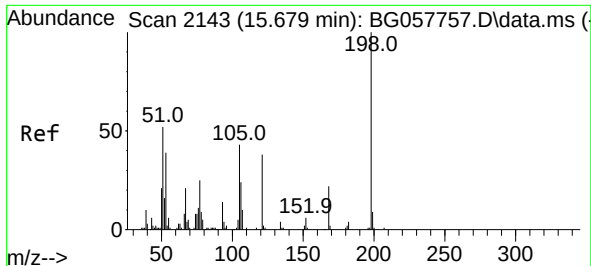
Tgt Ion: 77 Resp: 12789
Ion Ratio Lower Upper
77 100
182 84.4 4.1 44.1#
105 156.0 3.3 43.3#
51 49.2 13.4 53.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2419
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion: 188 Resp: 219583
Ion Ratio Lower Upper
188 100
94 9.4 6.6 9.8
80 9.8 7.6 11.4

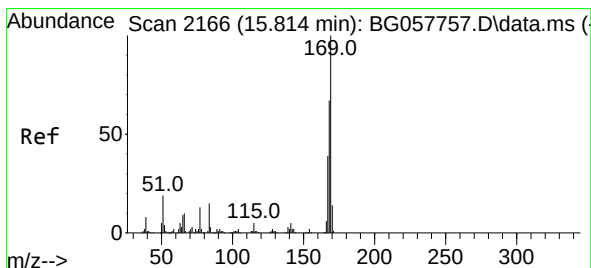
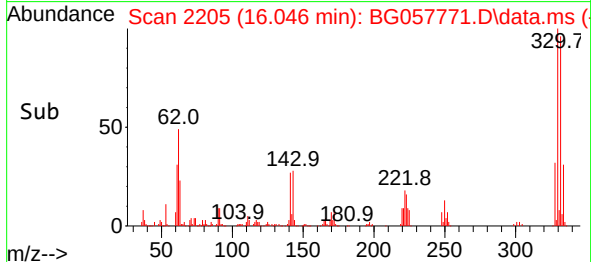
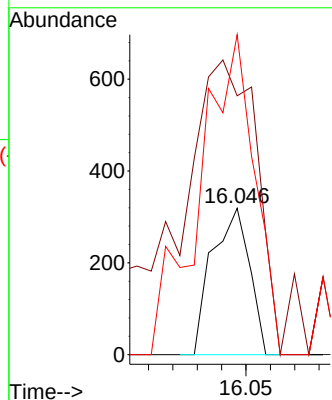
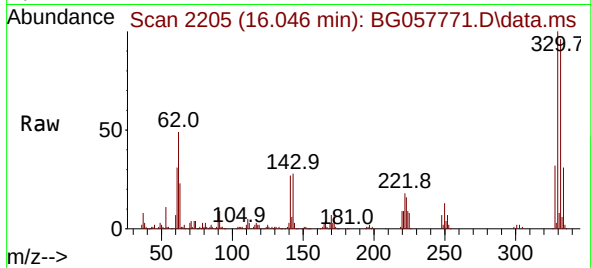




#65
4,6-Dinitro-2-methylphenol
Concen: 5.611 ng
RT: 16.046 min Scan# 2143
Delta R.T. 0.367 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

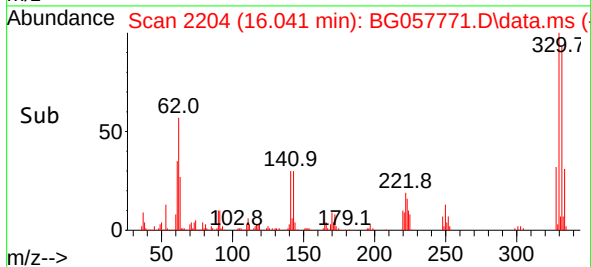
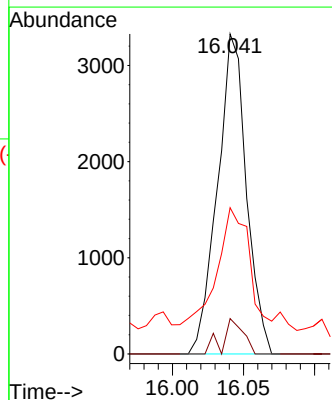
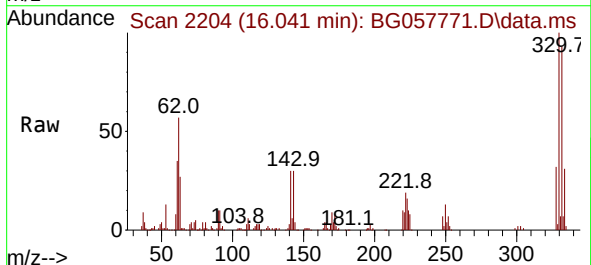
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

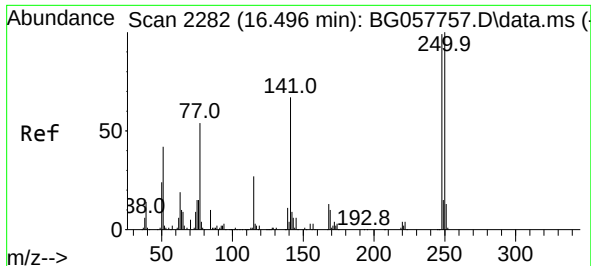
Tgt Ion:198 Resp: 340
Ion Ratio Lower Upper
198 100
51 176.8 36.6 76.6#
105 218.5 24.3 64.3#



#66
n-Nitrosodiphenylamine
Concen: 0.812 ng
RT: 16.041 min Scan# 2204
Delta R.T. 0.227 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:169 Resp: 4705
Ion Ratio Lower Upper
169 100
168 11.1 53.4 80.2#
167 45.7 31.2 46.8

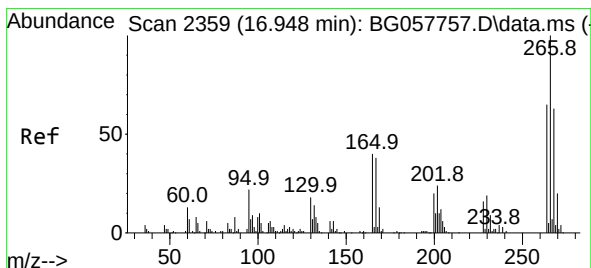
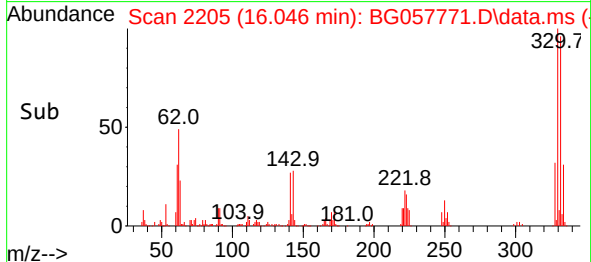
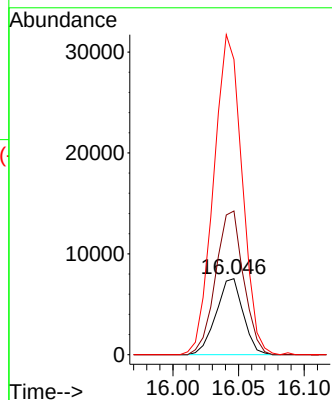
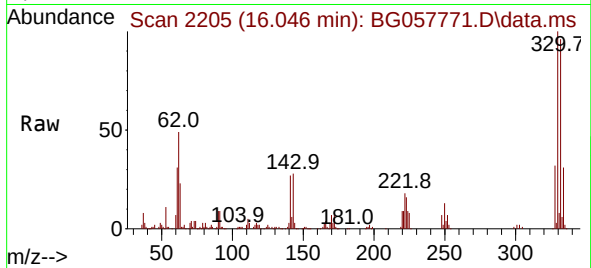




#67
4-Bromophenyl-phenylether
Concen: 4.634 ng
RT: 16.046 min Scan# 21
Delta R.T. -0.449 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

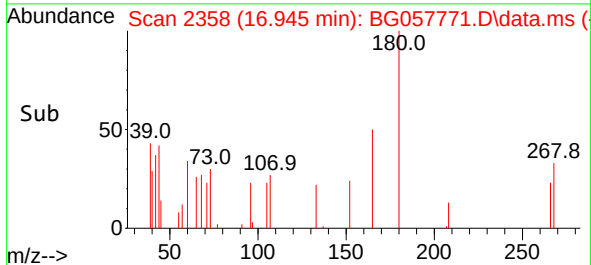
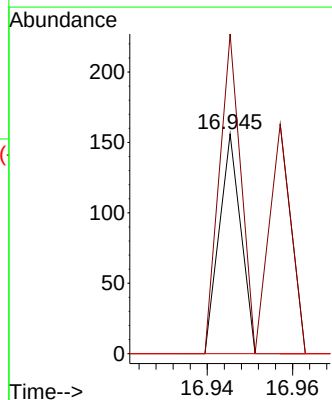
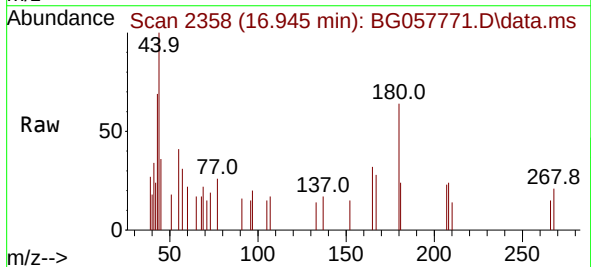
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

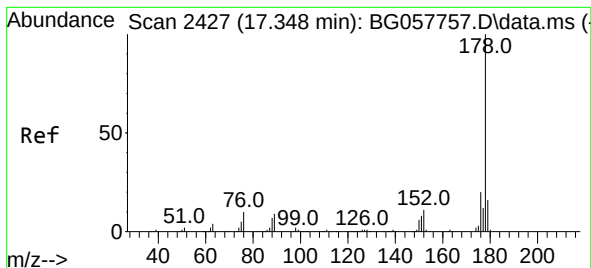
Tgt Ion:248 Resp: 10791
Ion Ratio Lower Upper
248 100
250 188.9 81.1 121.7#
141 388.3 54.6 81.8#



#70
Pentachlorophenol
Concen: 0.031 ng
RT: 16.945 min Scan# 2358
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:266 Resp: 55
Ion Ratio Lower Upper
266 100
268 145.5 50.5 75.7#
264 0.0 51.8 77.6#





#71

Phenanthrene

Concen: 1.767 ng

RT: 17.345 min Scan# 2426

Delta R.T. -0.003 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

Instrument :

BNA_G

ClientSampleId :

WS-SOIL2-0615

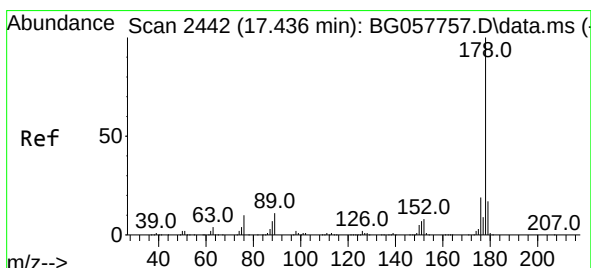
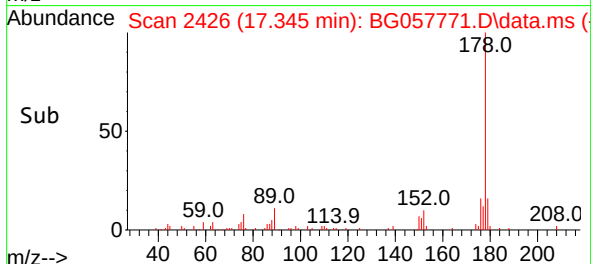
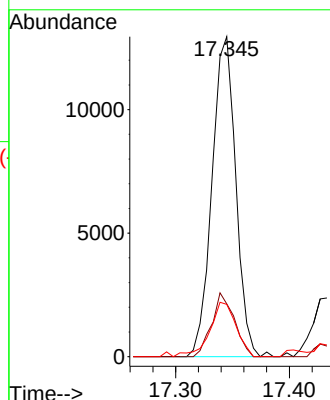
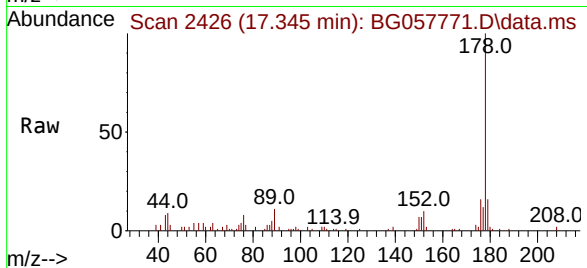
Tgt Ion:178 Resp: 18787

Ion Ratio Lower Upper

178 100

176 16.5 16.3 24.5

179 16.4 13.0 19.6



#72

Anthracene

Concen: 1.730 ng

RT: 17.345 min Scan# 2426

Delta R.T. -0.091 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

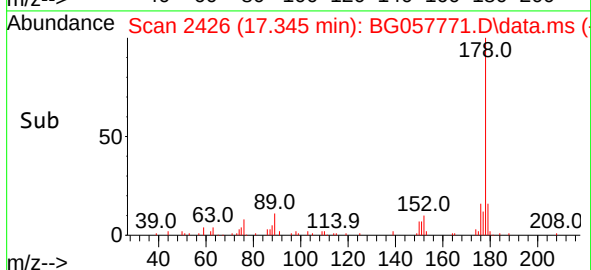
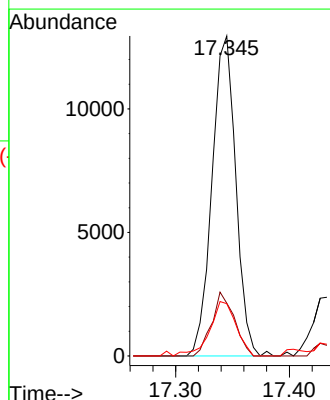
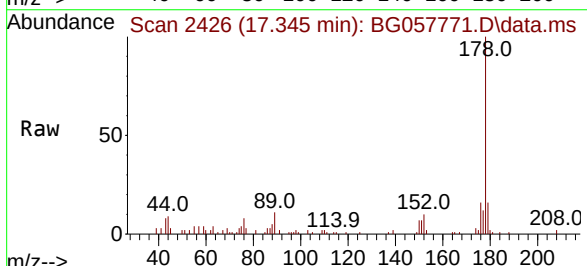
Tgt Ion:178 Resp: 18787

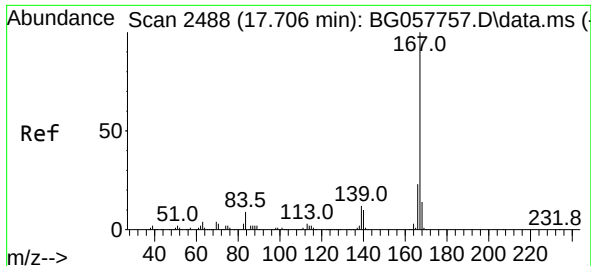
Ion Ratio Lower Upper

178 100

176 16.5 15.4 23.0

179 16.4 13.3 19.9

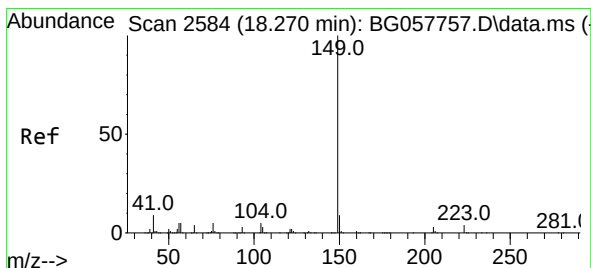
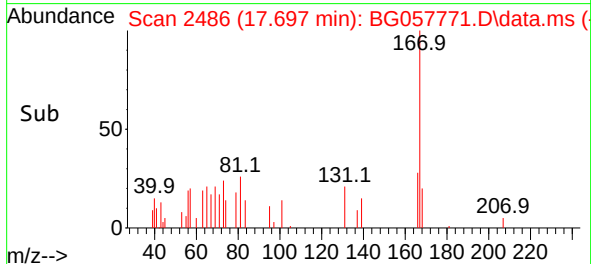
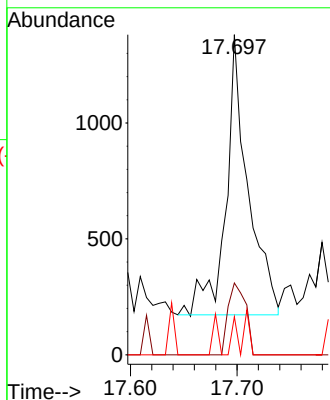
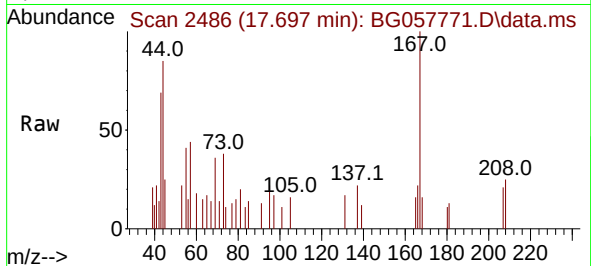




#73
Carbazole
Concen: 0.175 ng
RT: 17.697 min Scan# 2486
Delta R.T. -0.009 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

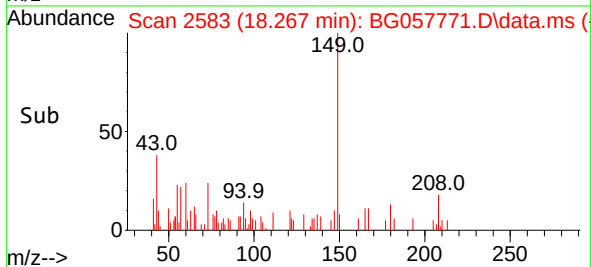
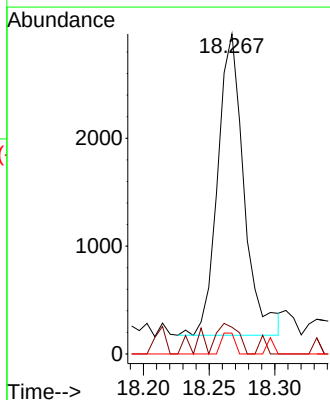
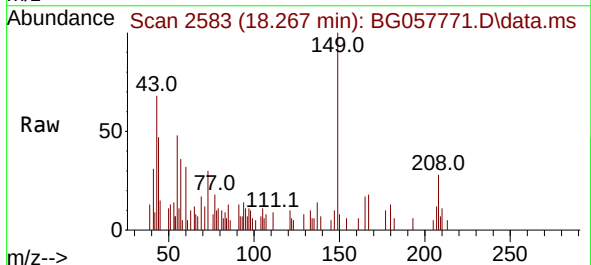
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

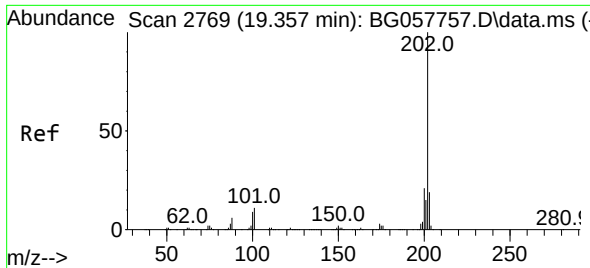
Tgt Ion:167 Resp: 1752
Ion Ratio Lower Upper
167 100
166 22.4 18.4 27.6
139 11.9 9.9 14.9



#74
Di-n-butylphthalate
Concen: 0.328 ng
RT: 18.267 min Scan# 2583
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:149 Resp: 3882
Ion Ratio Lower Upper
149 100
150 8.4 7.5 11.3
104 6.5 4.1 6.1#

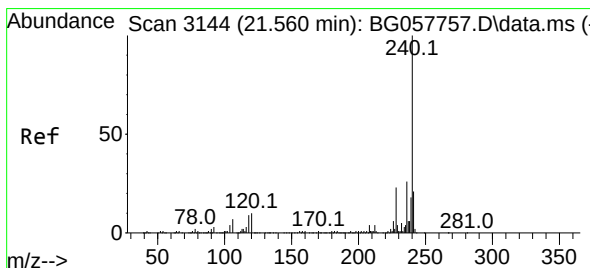
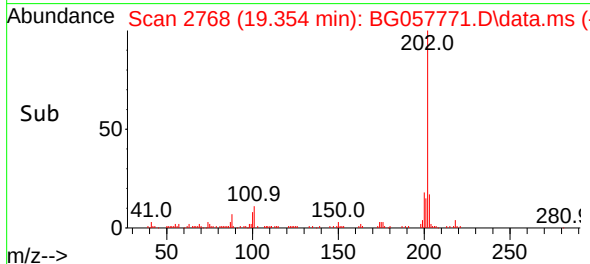
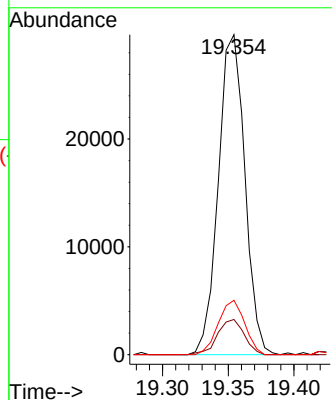
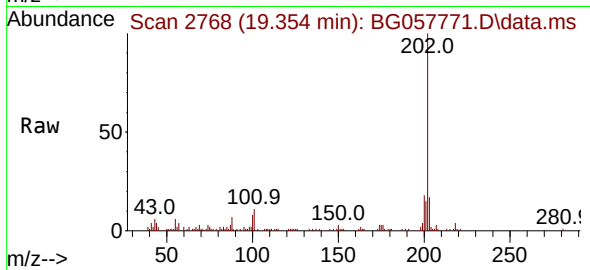




#75
Fluoranthene
Concen: 3.291 ng
RT: 19.354 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

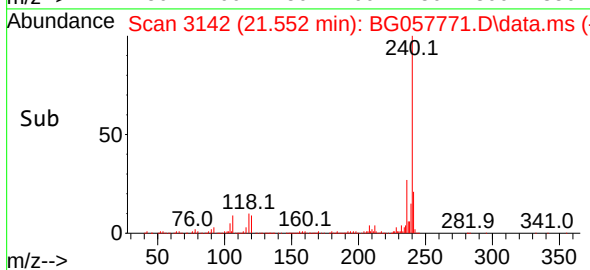
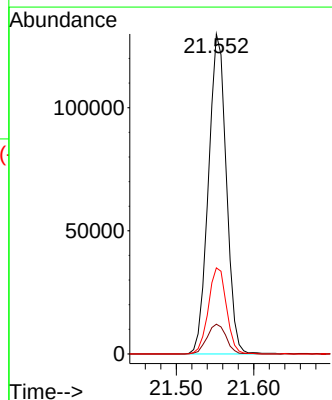
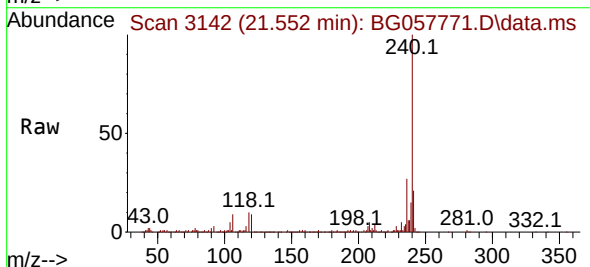
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

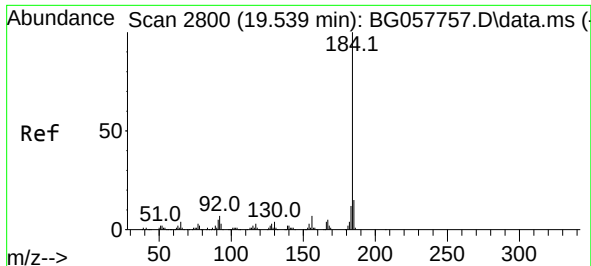
Tgt Ion:202 Resp: 41685
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 17.0 0.0 38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.552 min Scan# 3142
Delta R.T. -0.009 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:240 Resp: 207884
Ion Ratio Lower Upper
240 100
120 9.3 8.1 12.1
236 26.9 20.6 30.8

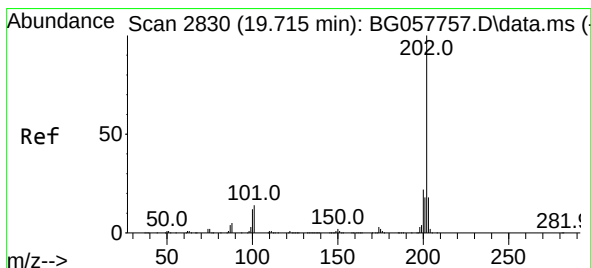
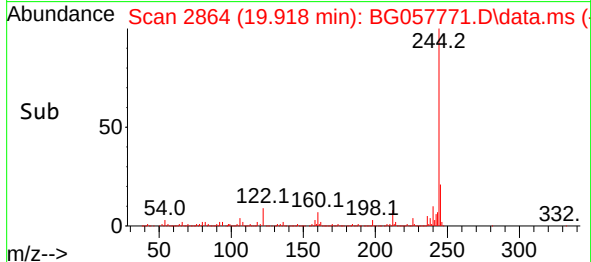
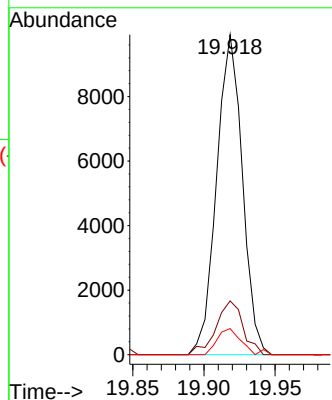
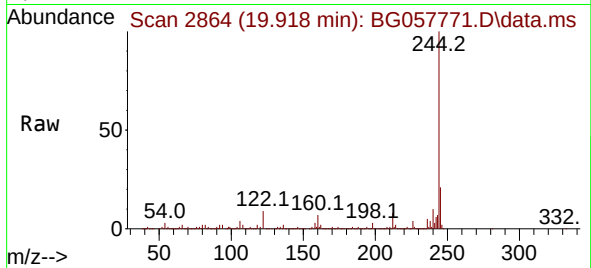




#77
Benzidine
Concen: 2.561 ng
RT: 19.918 min Scan# 2864
Delta R.T. 0.379 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

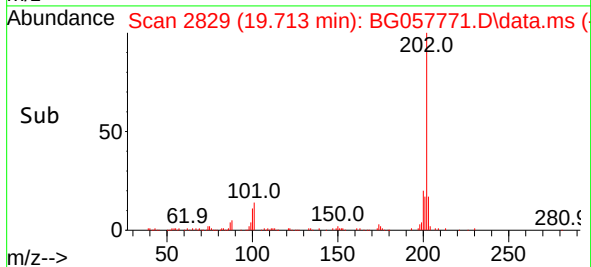
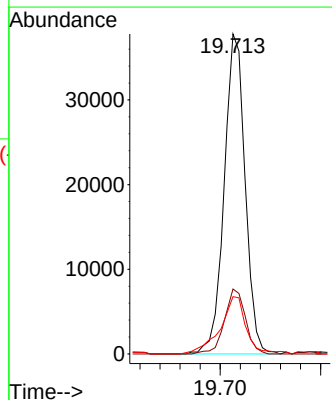
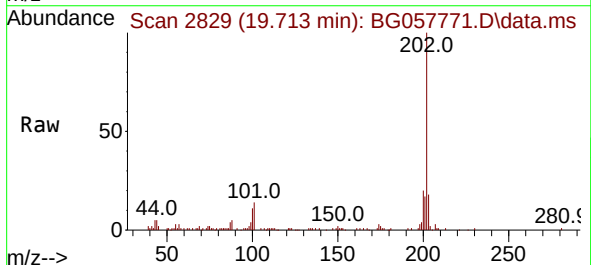
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

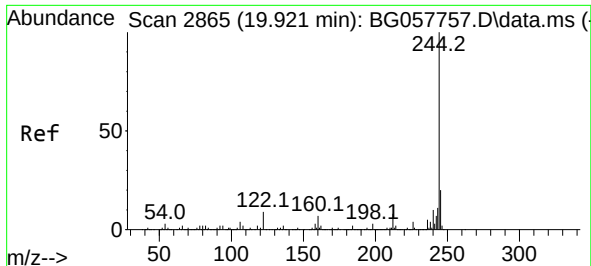
Tgt Ion:184 Resp: 12479
Ion Ratio Lower Upper
184 100
185 16.8 12.0 18.0
183 8.2 9.4 14.0#



#78
Pyrene
Concen: 3.688 ng
RT: 19.713 min Scan# 2829
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:202 Resp: 54688
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.0
203 17.9 14.6 22.0

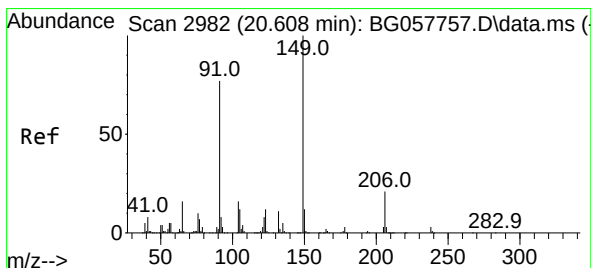
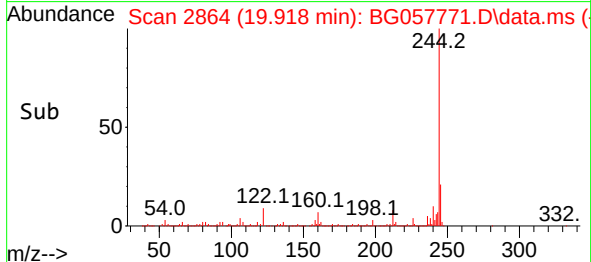
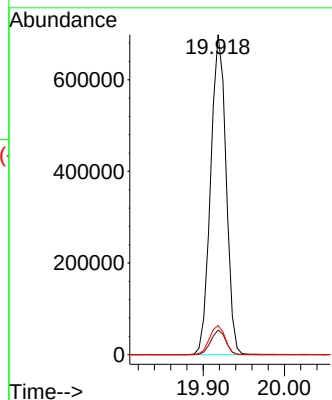
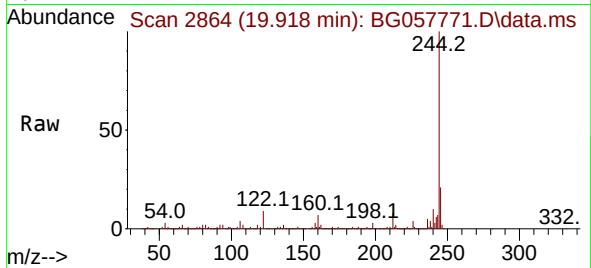




#79
 Terphenyl-d14
 Concen: 82.440 ng
 RT: 19.918 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG057771.D
 Acq: 20 Jun 2023 11:26

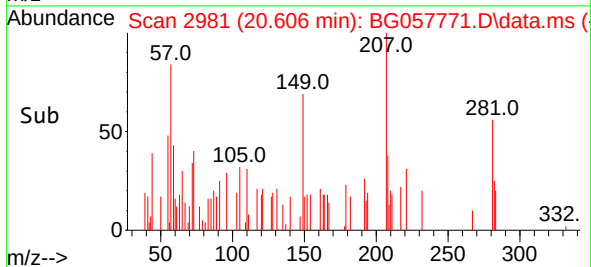
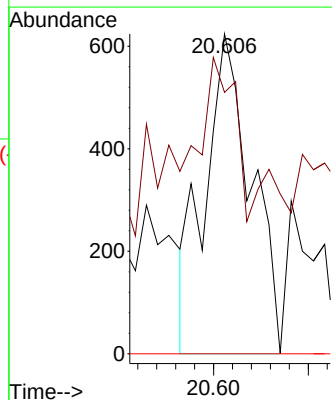
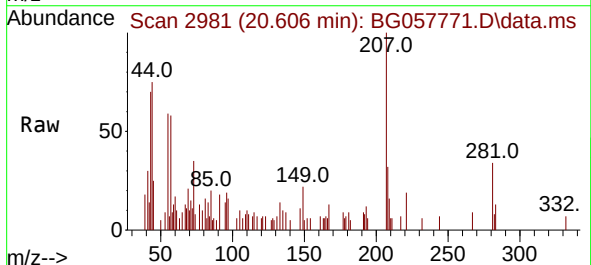
Instrument :
 BNA_G
 ClientSampleId :
 WS-SOIL2-0615

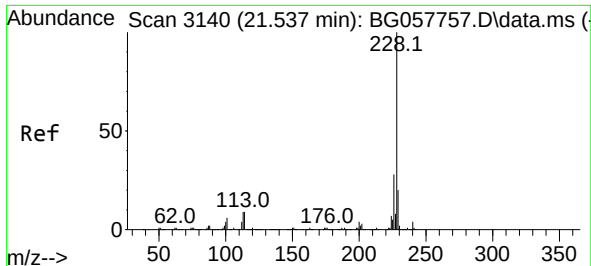
Tgt Ion:244 Resp: 919090
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 9.1 7.6 11.4



#80
 Butylbenzylphthalate
 Concen: 0.189 ng
 RT: 20.606 min Scan# 2981
 Delta R.T. -0.003 min
 Lab File: BG057771.D
 Acq: 20 Jun 2023 11:26

Tgt Ion:149 Resp: 1065
 Ion Ratio Lower Upper
 149 100
 91 81.7 61.7 92.5
 206 0.0 16.6 24.8#

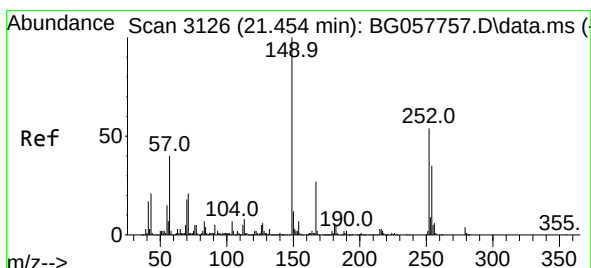
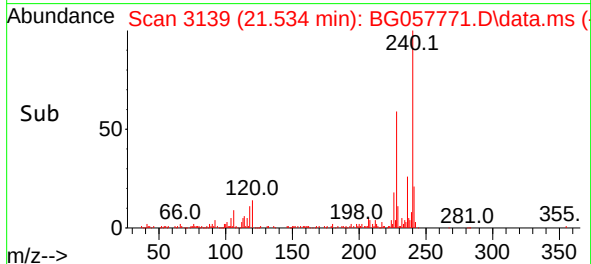
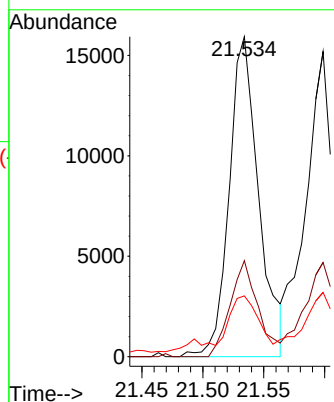
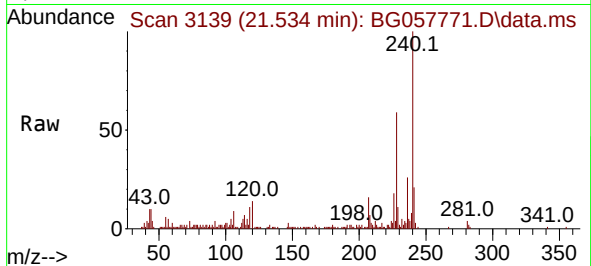




#81
Benzo(a)anthracene
Concen: 1.885 ng
RT: 21.534 min Scan# 3140
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

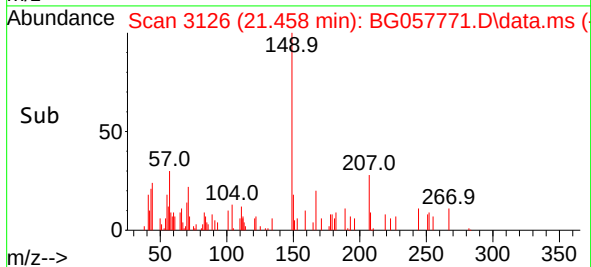
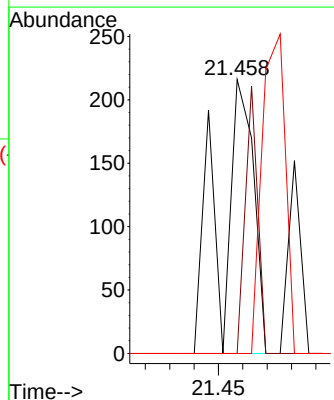
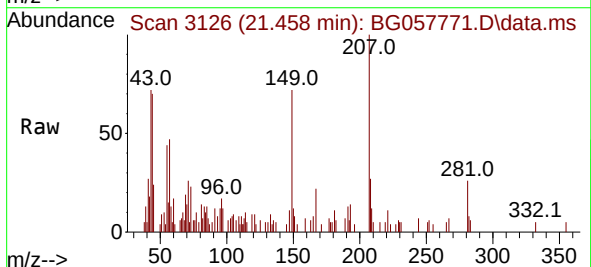
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

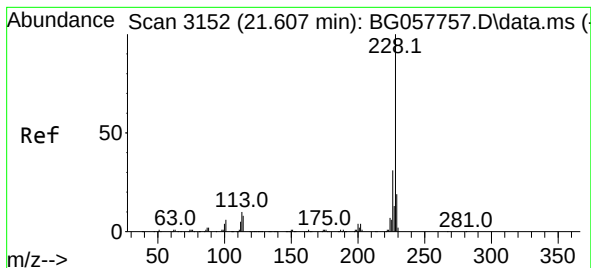
Tgt Ion:228 Resp: 26884
Ion Ratio Lower Upper
228 100
226 30.0 22.3 33.5
229 19.0 16.3 24.5



#82
3,3'-Dichlorobenzidine
Concen: 0.042 ng
RT: 21.458 min Scan# 3126
Delta R.T. 0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:252 Resp: 204
Ion Ratio Lower Upper
252 100
254 0.0 51.0 76.6#
126 0.0 7.0 10.6#





#83

Chrysene

Concen: 1.813 ng

RT: 21.599 min Scan# 3150

Delta R.T. -0.009 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

Instrument :

BNA_G

ClientSampleId :

WS-SOIL2-0615

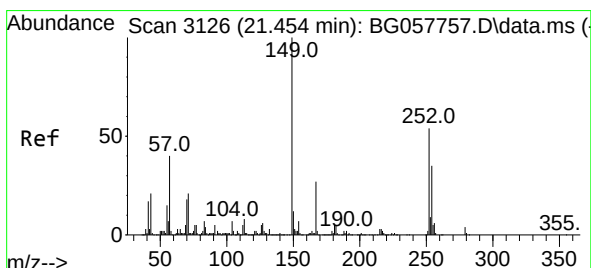
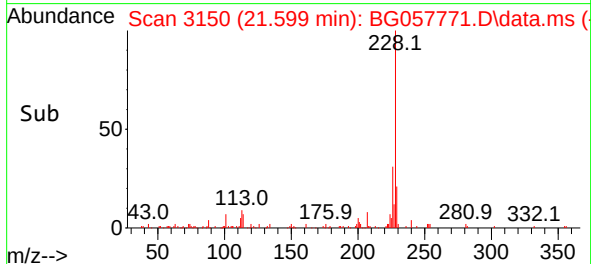
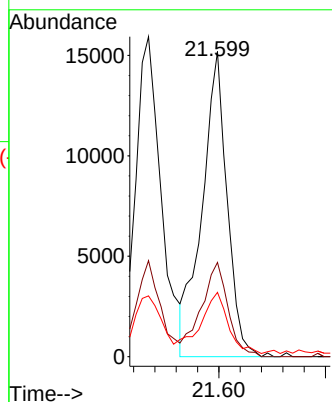
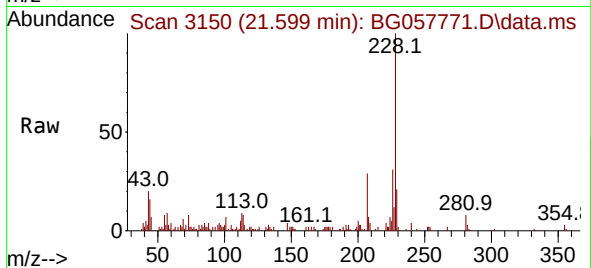
Tgt Ion:228 Resp: 24820

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

229 21.1 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.498 ng

RT: 21.452 min Scan# 3125

Delta R.T. -0.003 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

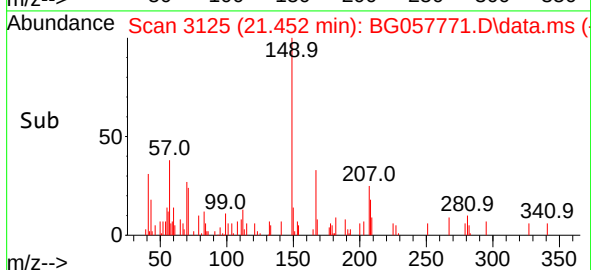
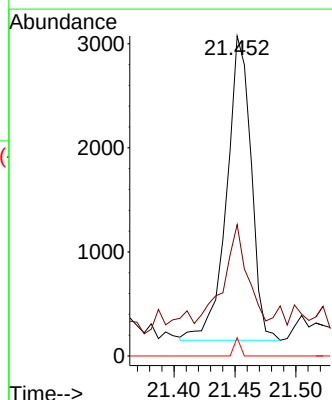
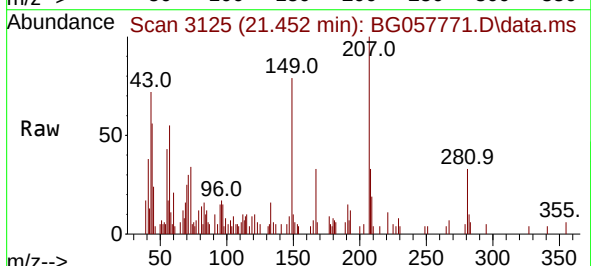
Tgt Ion:149 Resp: 4082

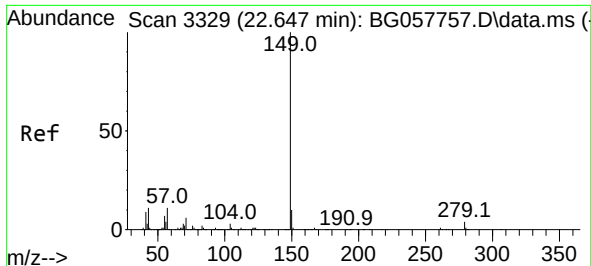
Ion Ratio Lower Upper

149 100

167 41.1 21.8 32.8#

279 5.7 2.9 4.3#

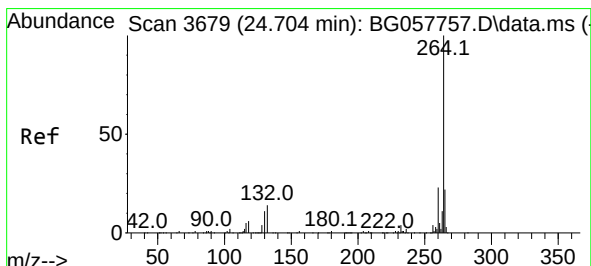
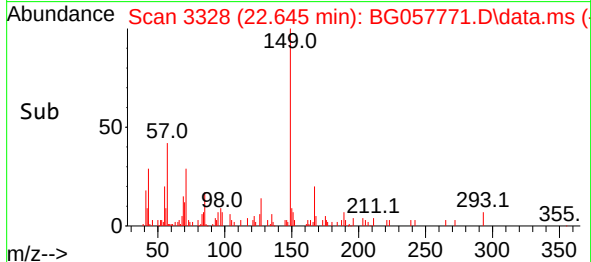
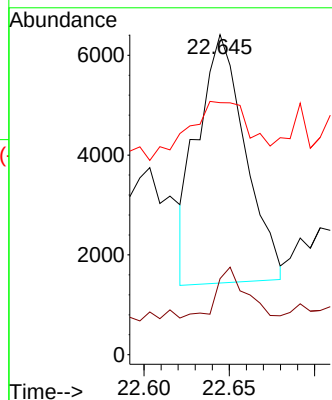
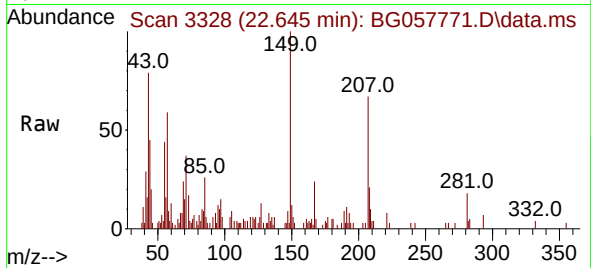




#85
Di-n-octyl phthalate
Concen: 0.670 ng
RT: 22.645 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

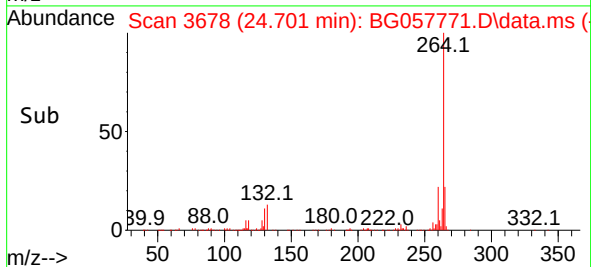
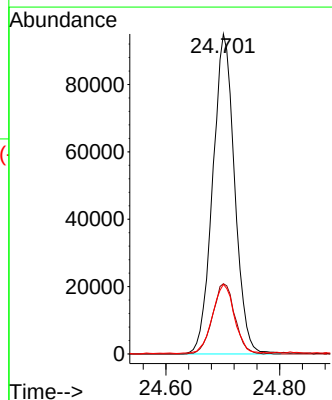
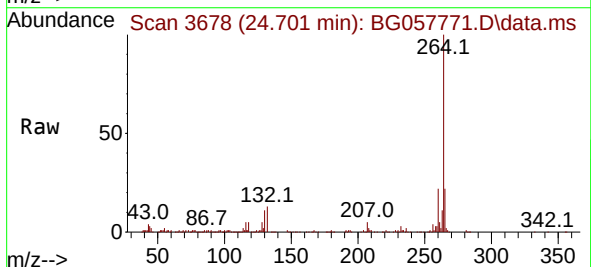
Instrument :
BNA_G
ClientSampleId :
WS-SOIL2-0615

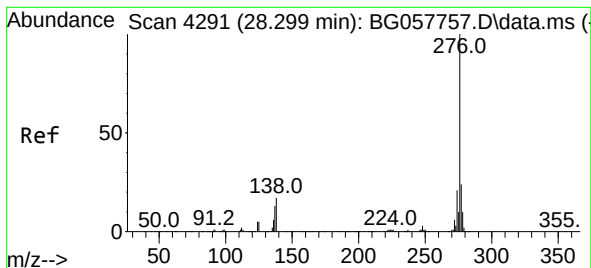
Tgt Ion:149 Resp: 9619
Ion Ratio Lower Upper
149 100
167 14.7 1.2 1.8#
43 25.8 9.6 14.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.701 min Scan# 3678
Delta R.T. -0.003 min
Lab File: BG057771.D
Acq: 20 Jun 2023 11:26

Tgt Ion:264 Resp: 253579
Ion Ratio Lower Upper
264 100
260 22.0 18.5 27.7
265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 0.993 ng

RT: 28.273 min Scan# 41

Delta R.T. -0.026 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

Instrument :

BNA_G

ClientSampleId :

WS-SOIL2-0615

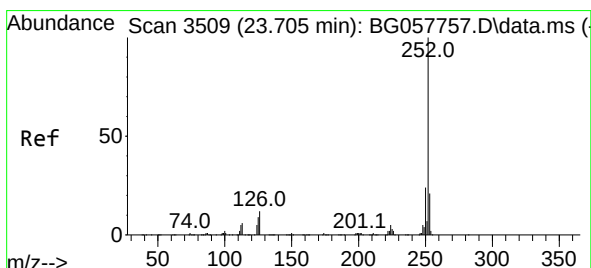
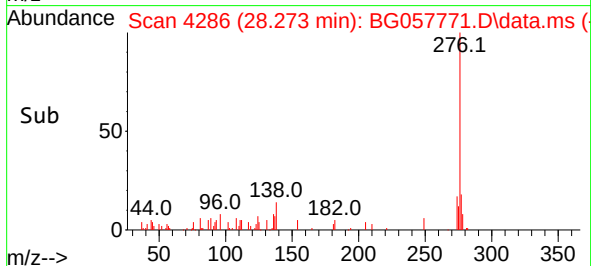
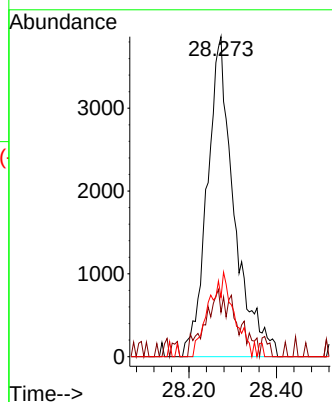
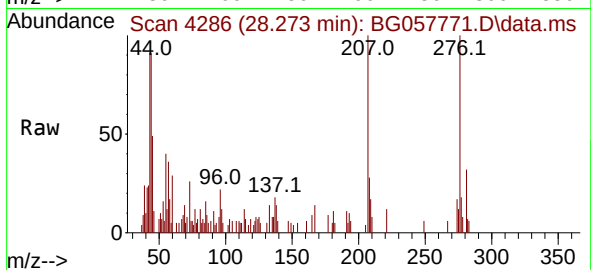
Tgt Ion:276 Resp: 16469

Ion Ratio Lower Upper

276 100

138 15.0 11.3 16.9

277 24.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 1.863 ng

RT: 23.702 min Scan# 3508

Delta R.T. -0.003 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

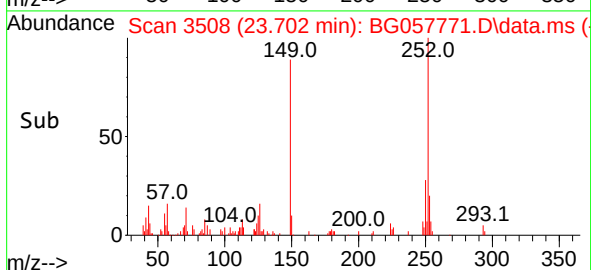
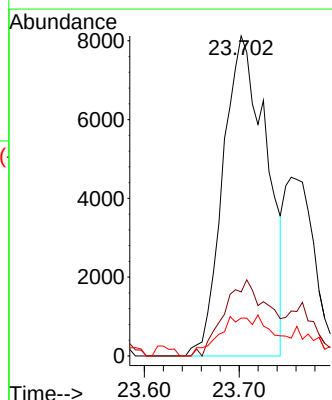
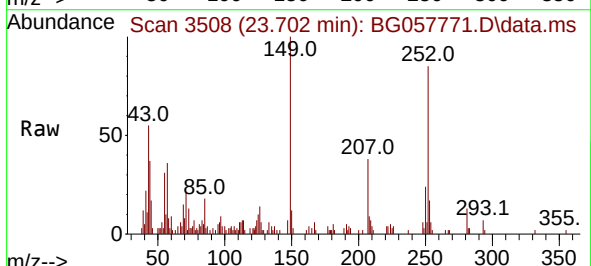
Tgt Ion:252 Resp: 25884

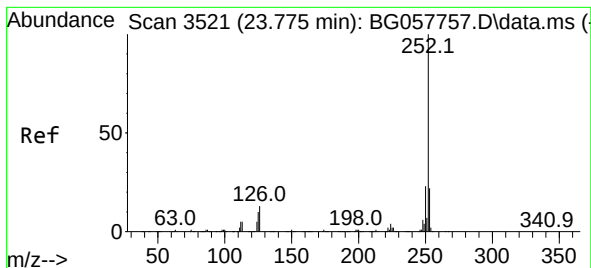
Ion Ratio Lower Upper

252 100

253 20.0 17.1 25.7

125 11.9 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 1.829 ng

RT: 23.702 min Scan# 3

Delta R.T. -0.073 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

Instrument :

BNA_G

ClientSampleId :

WS-SOIL2-0615

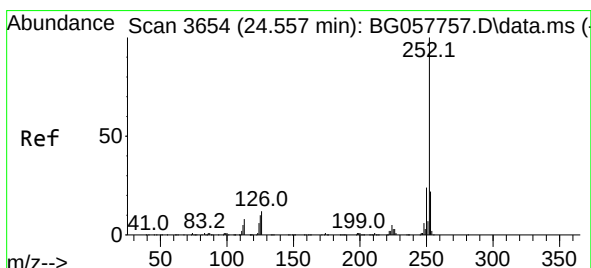
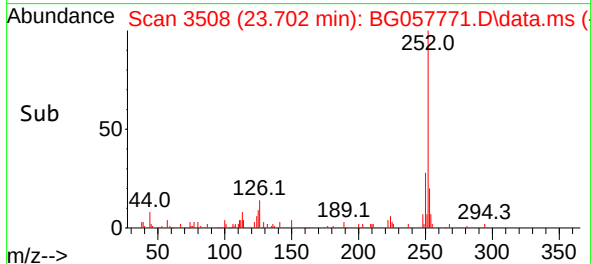
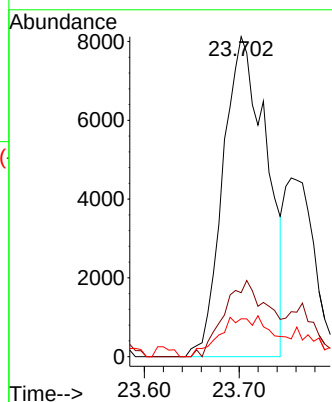
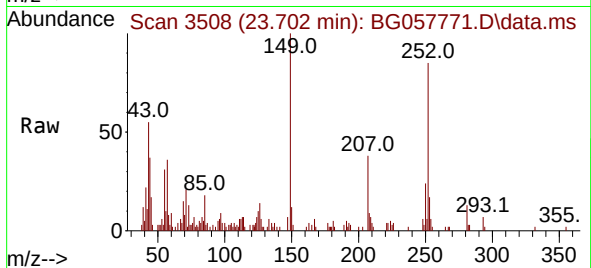
Tgt Ion:252 Resp: 25884

Ion Ratio Lower Upper

252 100

253 20.0 18.0 27.0

125 11.9 7.6 11.4#



#90

Benzo(a)pyrene

Concen: 1.541 ng

RT: 24.542 min Scan# 3651

Delta R.T. -0.014 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

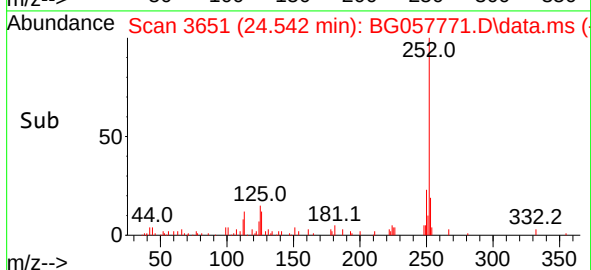
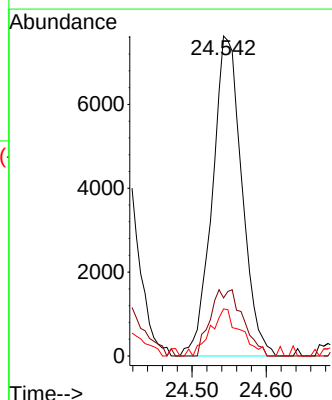
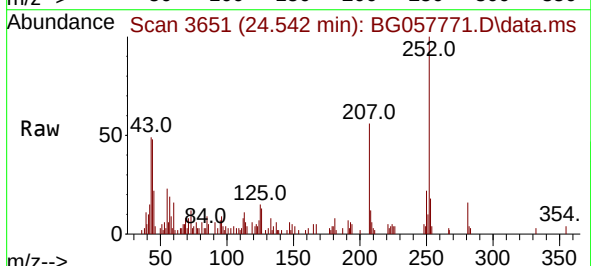
Tgt Ion:252 Resp: 21036

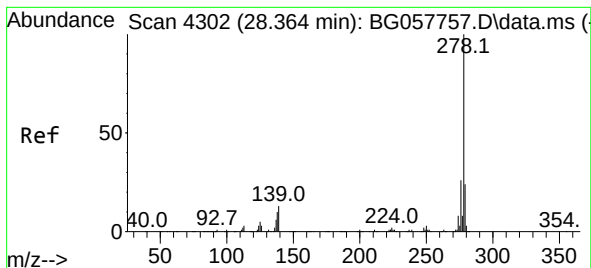
Ion Ratio Lower Upper

252 100

253 18.1 17.4 26.2

125 14.7 8.0 12.0#





#91

Dibenzo(a,h)anthracene

Concen: 0.260 ng

RT: 28.314 min Scan# 41

Delta R.T. -0.050 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

Instrument :

BNA_G

ClientSampleId :

WS-SOIL2-0615

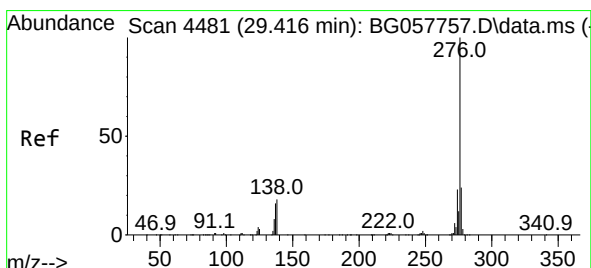
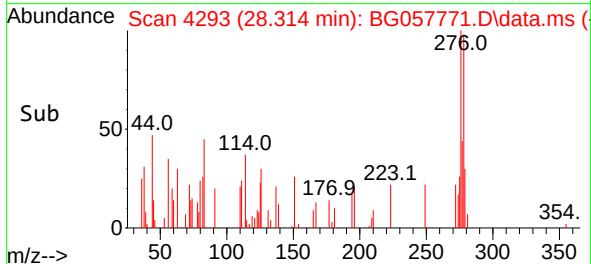
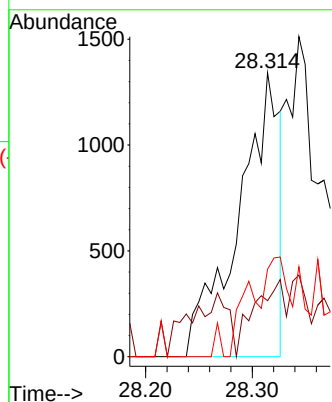
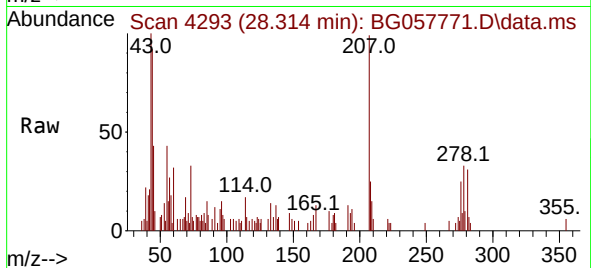
Tgt Ion:278 Resp: 3577

Ion Ratio Lower Upper

278 100

139 19.7 10.8 16.2#

279 30.8 19.0 28.4#



#92

Benzo(g,h,i)perylene

Concen: 1.181 ng

RT: 29.384 min Scan# 4475

Delta R.T. -0.032 min

Lab File: BG057771.D

Acq: 20 Jun 2023 11:26

Tgt Ion:276 Resp: 16262

Ion Ratio Lower Upper

276 100

277 21.3 19.4 29.0

138 21.5 14.2 21.4#

