

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057447.D
 Acq On : 17 May 2023 15:46
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: May 18 01:57:39 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	16797	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	67516	20.000	ng	0.00
39) Acenaphthene-d10	14.975	164	56048	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	141481	20.000	ng	0.00
76) Chrysene-d12	22.025	240	128876	20.000	ng	0.00
86) Perylene-d12	25.532	264	137939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	96819	98.601	ng	0.00
7) Phenol-d6	7.497	99	145095	97.307	ng	0.00
23) Nitrobenzene-d5	9.536	82	109077	67.807	ng	0.00
42) 2,4,6-Tribromophenol	16.462	330	83183	104.598	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	295592	71.029	ng	0.00
79) Terphenyl-d14	20.286	244	544200	68.911	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.679	88	3514	8.655	ng	98
3) Pyridine	4.108	79	9379	7.188	ng	95
4) n-Nitrosodimethylamine	4.014	42	4511	7.357	ng	88
6) Aniline	7.673	93	15052	7.957	ng	98
8) 2-Chlorophenol	7.920	128	8921	8.598	ng	96
9) Benzaldehyde	7.486	77	15221	14.861	ng	96
10) Phenol	7.527	94	11974	8.238	ng	95
11) bis(2-Chloroethyl)ether	7.756	93	9654	8.808	ng	89
12) 1,3-Dichlorobenzene	8.249	146	10355	9.042	ng	97
13) 1,4-Dichlorobenzene	8.396	146	10564	9.184	ng	95
14) 1,2-Dichlorobenzene	8.719	146	10025	9.028	ng	89
15) Benzyl Alcohol	8.596	79	8797	7.082	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.884	45	10795	7.814	ng	98
17) 2-Methylphenol	8.796	107	8301	7.922	ng	95
18) Hexachloroethane	9.459	117	3561	8.578	ng	# 85
19) n-Nitroso-di-n-propyla...	9.154	70	8602	7.566	ng	# 97
20) 3+4-Methylphenols	9.124	107	11397	7.944	ng	92
22) Acetophenone	9.189	105	16119	8.341	ng	# 96
24) Nitrobenzene	9.583	77	13184	8.120	ng	99
25) Isophorone	10.100	82	23280	7.463	ng	97
26) 2-Nitrophenol	10.305	139	5800	9.332	ng	90
27) 2,4-Dimethylphenol	10.340	122	9428	8.664	ng	89
28) bis(2-Chloroethoxy)met...	10.575	93	12570	8.044	ng	92
29) 2,4-Dichlorophenol	10.846	162	10032	8.692	ng	92
30) 1,2,4-Trichlorobenzene	11.057	180	12241	9.195	ng	100
31) Naphthalene	11.251	128	31948	8.851	ng	98
32) Benzoic acid	10.476	122	2303	8.026	ng	# 84
33) 4-Chloroaniline	11.357	127	13178	8.130	ng	# 90
34) Hexachlorobutadiene	11.521	225	8696	8.803	ng	95
35) Caprolactam	12.097	113	3285	8.332	ng	# 86
36) 4-Chloro-3-methylphenol	12.449	107	11876	9.054	ng	96
37) 2-Methylnaphthalene	12.831	142	24030	8.467	ng	98
38) 1-Methylnaphthalene	13.043	142	22453	8.394	ng	99
40) 1,2,4,5-Tetrachloroben...	13.190	216	17455	8.772	ng	99
41) Hexachlorocyclopentadiene	13.160	237	2679	8.876	ng	92
43) 2,4,6-Trichlorophenol	13.425	196	9834	8.112	ng	95

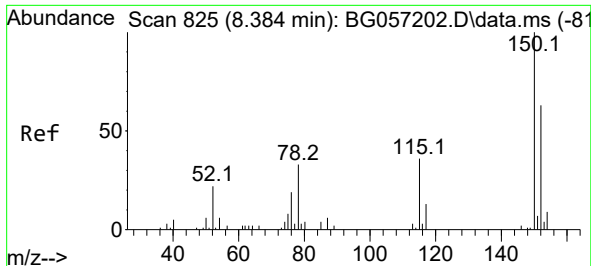
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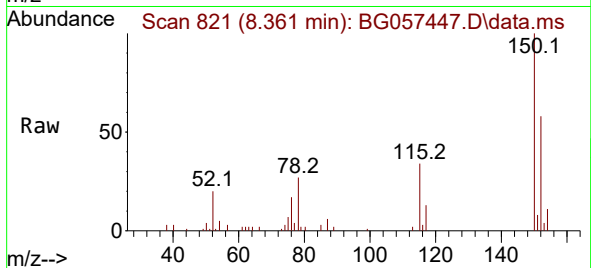
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.513	196	11437	8.021	ng	94
46) 1,1'-Biphenyl	13.812	154	35802	8.608	ng	96
47) 2-Chloronaphthalene	13.865	162	27681	8.950	ng	95
48) 2-Nitroaniline	14.059	65	7768	7.387	ng	97
49) Acenaphthylene	14.705	152	41618	8.283	ng	99
50) Dimethylphthalate	14.411	163	36536	7.933	ng	# 95
51) 2,6-Dinitrotoluene	14.541	165	7647	8.132	ng	92
52) Acenaphthene	15.040	154	26638	8.484	ng	97
53) 3-Nitroaniline	14.881	138	6954	7.381	ng	# 94
54) 2,4-Dinitrophenol	15.105	184	1603	7.500	ng	# 82
55) Dibenzofuran	15.369	168	45304	8.588	ng	98
56) 4-Nitrophenol	15.193	139	4296	6.856	ng	# 78
57) 2,4-Dinitrotoluene	15.334	165	11025	8.203	ng	# 90
58) Fluorene	16.015	166	37198	8.561	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.598	232	10420	8.060	ng	# 99
60) Diethylphthalate	15.757	149	36701	7.847	ng	97
61) 4-Chlorophenyl-phenyle...	15.998	204	20865	7.971	ng	96
62) 4-Nitroaniline	16.033	138	7249	7.627	ng	# 85
63) Azobenzene	16.291	77	34133	7.563	ng	94
65) 4,6-Dinitro-2-methylph...	16.103	198	6943	8.220	ng	95
66) n-Nitrosodiphenylamine	16.209	169	31552	8.211	ng	100
67) 4-Bromophenyl-phenylether	16.890	248	14553	8.426	ng	99
68) Hexachlorobenzene	17.026	284	15749	9.383	ng	# 92
69) Atrazine	17.137	200	13457	9.180	ng	99
70) Pentachlorophenol	17.372	266	8739	9.035	ng	94
71) Phenanthrene	17.760	178	62161	8.574	ng	98
72) Anthracene	17.848	178	62871	8.452	ng	97
73) Carbazole	18.118	167	52884	8.445	ng	100
74) Di-n-butylphthalate	18.635	149	58317	8.094	ng	98
75) Fluoranthene	19.751	202	75095	8.328	ng	99
77) Benzidine	19.916	184	35087	12.178	ng	100
78) Pyrene	20.110	202	76318	8.149	ng	98
80) Butylbenzylphthalate	20.961	149	24491	8.242	ng	93
81) Benzo(a)anthracene	22.007	228	76824	8.367	ng	99
82) 3,3'-Dichlorobenzidine	21.901	252	30155	10.253	ng	100
83) Chrysene	22.078	228	71275	8.250	ng	99
84) Bis(2-ethylhexyl)phtha...	21.848	149	35099	7.984	ng	98
85) Di-n-octyl phthalate	23.147	149	60030	8.190	ng	98
87) Indeno(1,2,3-cd)pyrene	29.585	276	83537	8.310	ng	# 96
88) Benzo(b)fluoranthene	24.404	252	75463	8.369	ng	99
89) Benzo(k)fluoranthene	24.404	252	75463	8.236	ng	99
90) Benzo(a)pyrene	25.361	252	65200	7.401	ng	97
91) Dibenzo(a,h)anthracene	29.626	278	68888	8.228	ng	98
92) Benzo(g,h,i)perylene	30.854	276	67040	8.201	ng	95

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

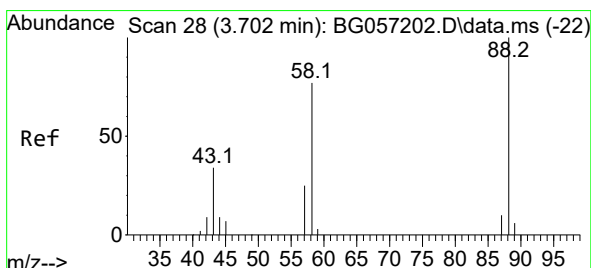
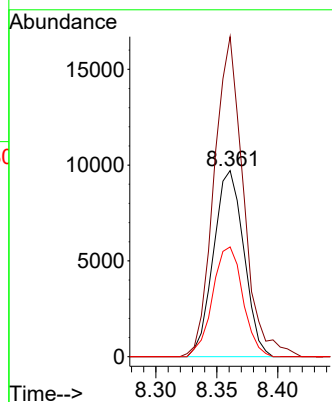
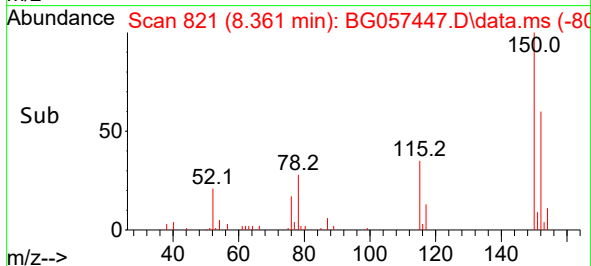


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

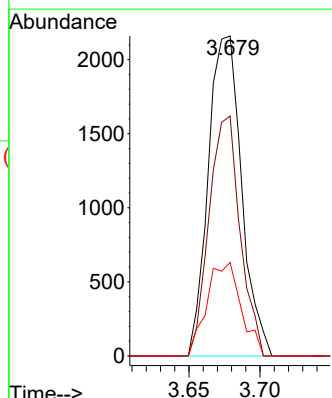
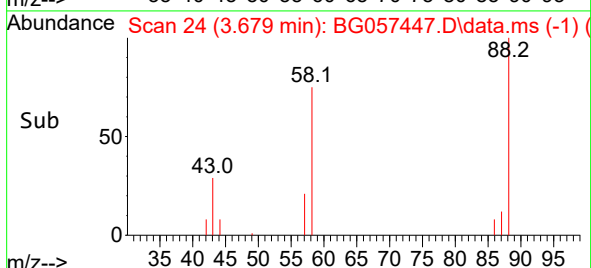
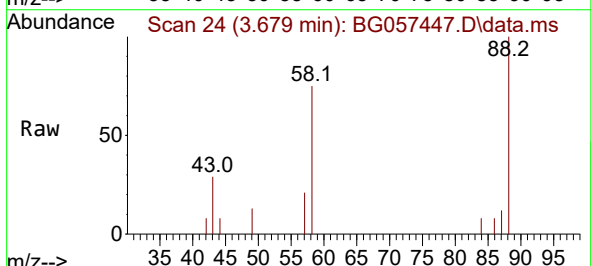


Tgt Ion:152 Resp: 16797
Ion Ratio Lower Upper
152 100
150 172.0 126.2 189.4
115 59.0 45.0 67.4



#2
1,4-Dioxane
Concen: 8.655 ng
RT: 3.679 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion: 88 Resp: 3514
Ion Ratio Lower Upper
88 100
58 69.8 57.1 85.7
43 29.9 24.4 36.6

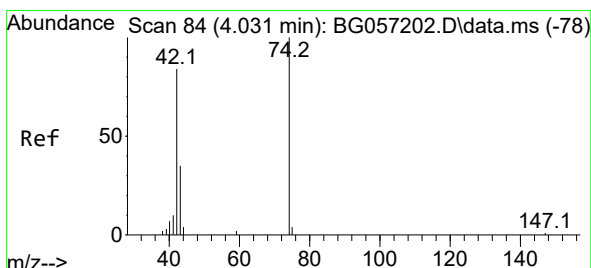
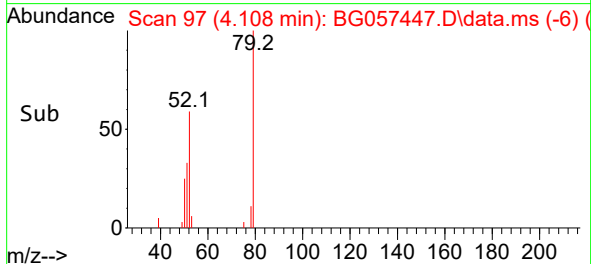
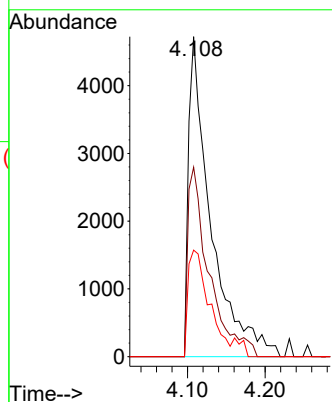
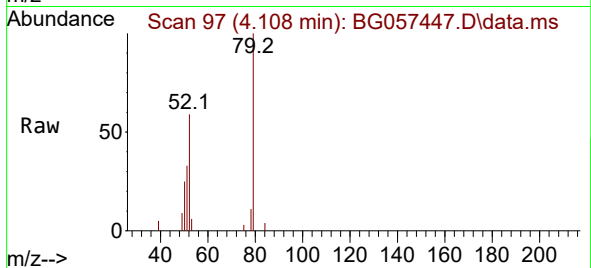




#3
Pyridine
Concen: 7.188 ng
RT: 4.108 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

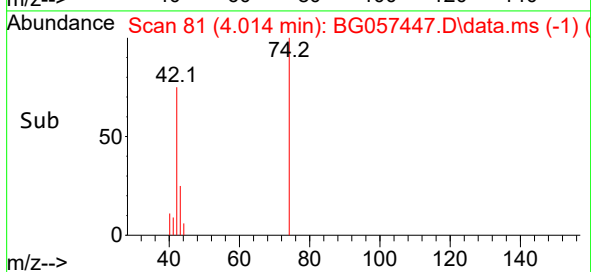
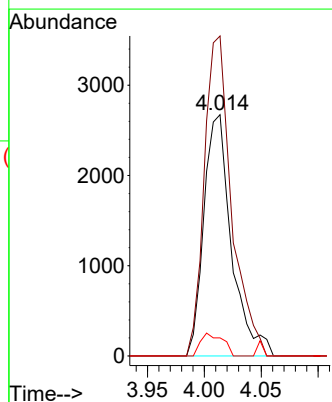
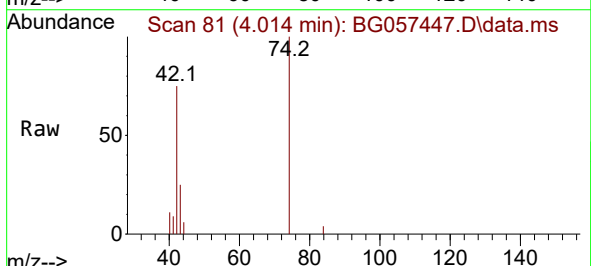
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 79 Resp: 9379
Ion Ratio Lower Upper
79 100
52 59.2 51.4 77.0
51 33.3 28.0 42.0



#4
n-Nitrosodimethylamine
Concen: 7.357 ng
RT: 4.014 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion: 42 Resp: 4511
Ion Ratio Lower Upper
42 100
74 132.6 95.1 142.7
44 7.5 5.8 8.8

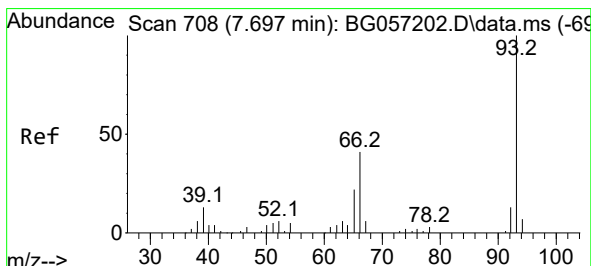
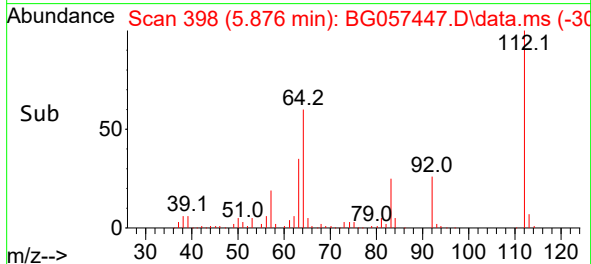
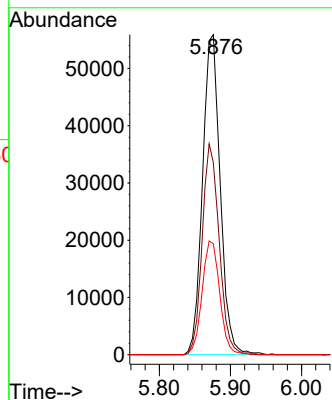
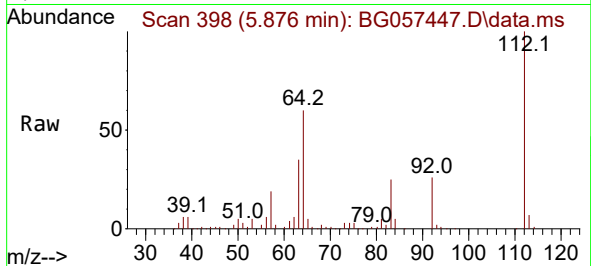




#5
2-Fluorophenol
Concen: 98.601 ng
RT: 5.876 min Scan# 398
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

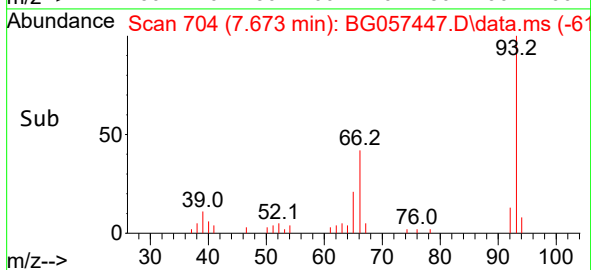
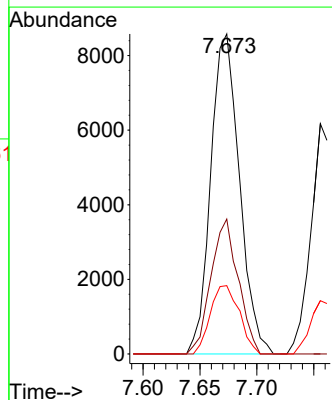
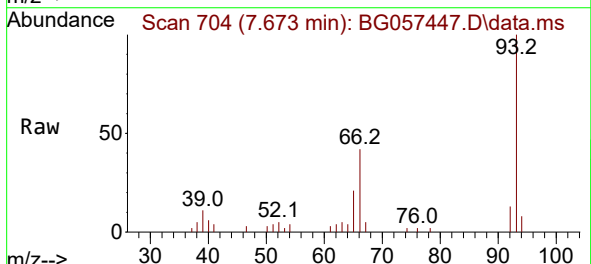
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LOQ-SOIL-02-QT2-2023

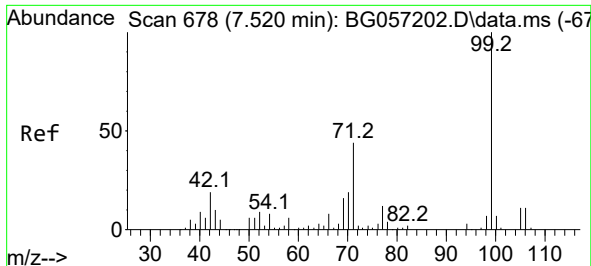
Tgt Ion:112 Resp: 96819
Ion Ratio Lower Upper
112 100
64 60.0 49.4 74.2
63 34.7 31.6 47.4



#6
Aniline
Concen: 7.957 ng
RT: 7.673 min Scan# 704
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion: 93 Resp: 15052
Ion Ratio Lower Upper
93 100
66 42.1 33.0 49.6
65 21.3 18.0 27.0

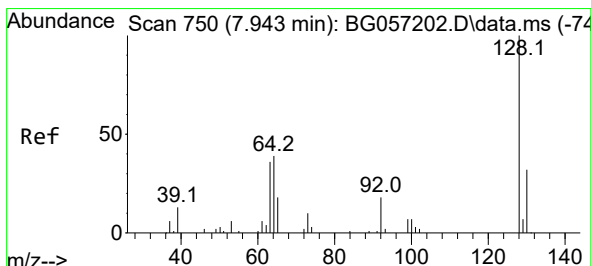
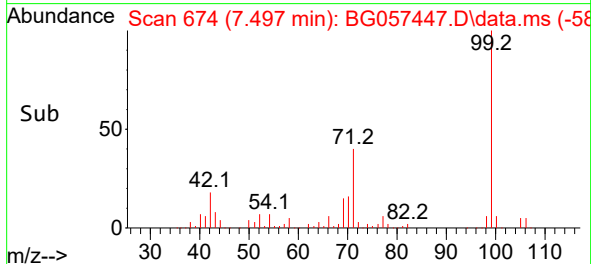
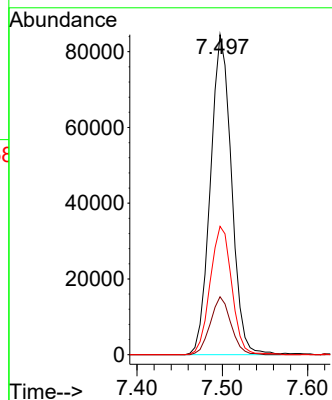
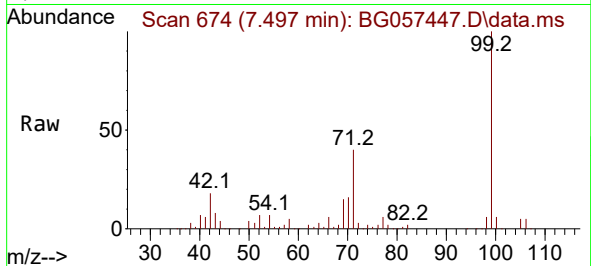




#7
Phenol-d6
Concen: 97.307 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

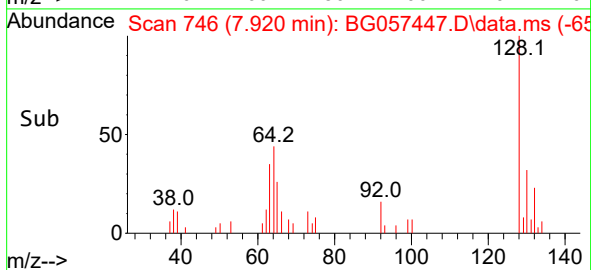
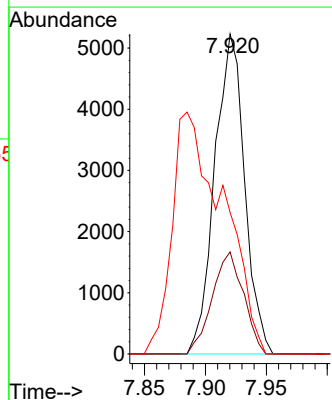
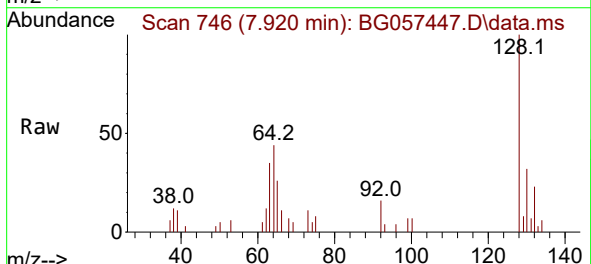
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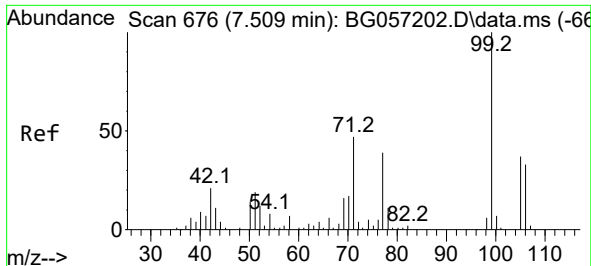
Tgt Ion: 99 Resp: 145095
Ion Ratio Lower Upper
99 100
42 18.1 15.1 22.7
71 40.1 35.2 52.8



#8
2-Chlorophenol
Concen: 8.598 ng
RT: 7.920 min Scan# 746
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion: 128 Resp: 8921
Ion Ratio Lower Upper
128 100
130 31.9 12.2 52.2
64 44.2 28.4 68.4

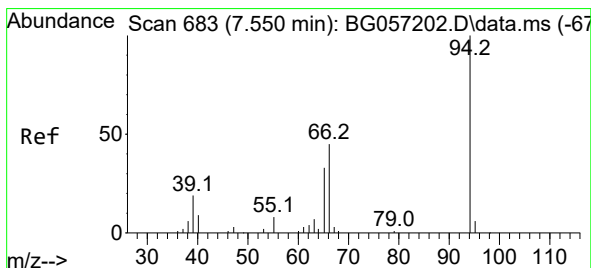
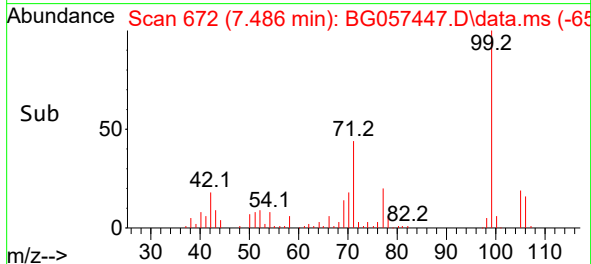
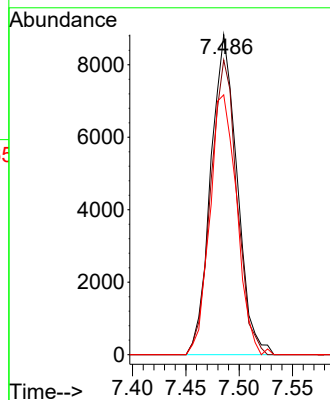
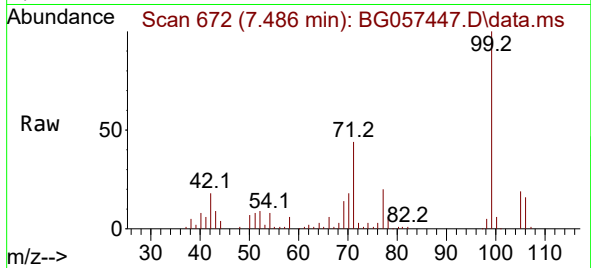




#9
Benzaldehyde
Concen: 14.861 ng
RT: 7.486 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

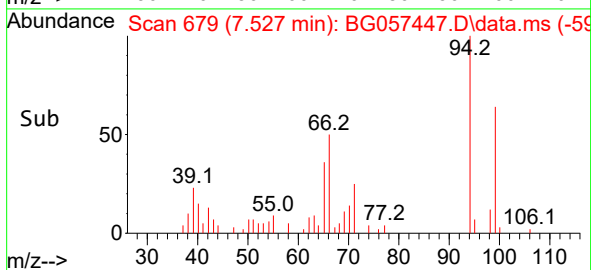
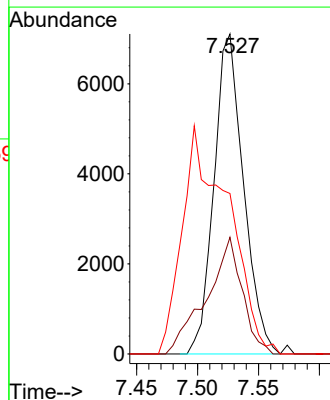
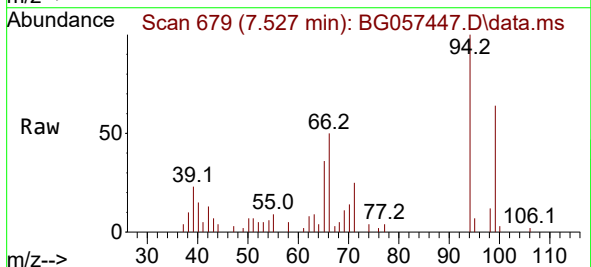
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT2-2023

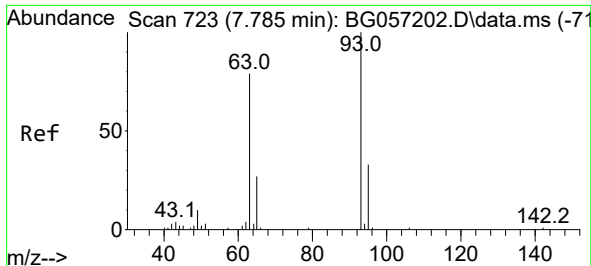
Tgt Ion: 77 Resp: 15221
Ion Ratio Lower Upper
77 100
105 92.1 74.6 114.6
106 81.2 66.3 106.3



#10
Phenol
Concen: 8.238 ng
RT: 7.527 min Scan# 679
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion: 94 Resp: 11974
Ion Ratio Lower Upper
94 100
65 36.5 13.5 53.5
66 50.1 26.7 66.7





#11

bis(2-Chloroethyl)ether

Concen: 8.808 ng

RT: 7.756 min Scan# 71

Delta R.T. -0.008 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

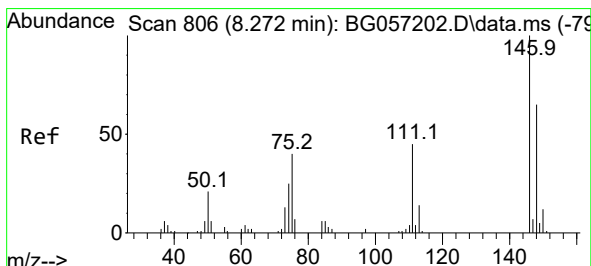
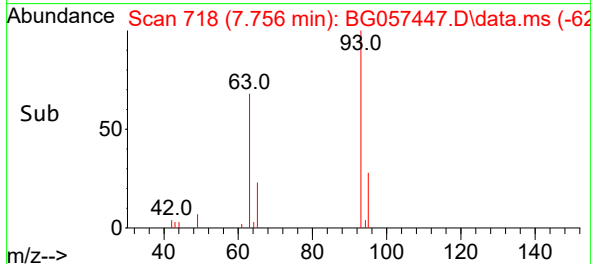
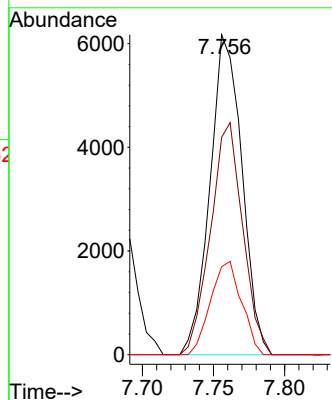
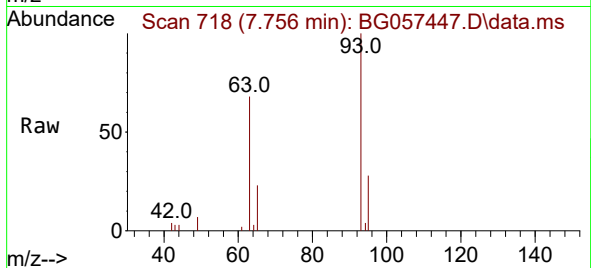
Tgt Ion: 93 Resp: 9654

Ion Ratio Lower Upper

93 100

63 67.9 58.6 98.6

95 27.5 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 9.042 ng

RT: 8.249 min Scan# 802

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

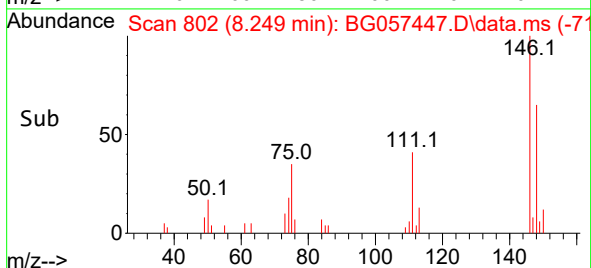
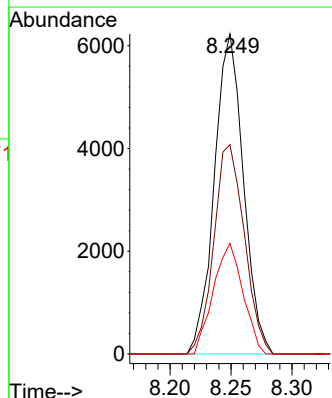
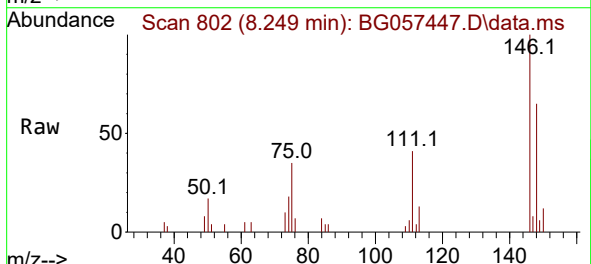
Tgt Ion: 146 Resp: 10355

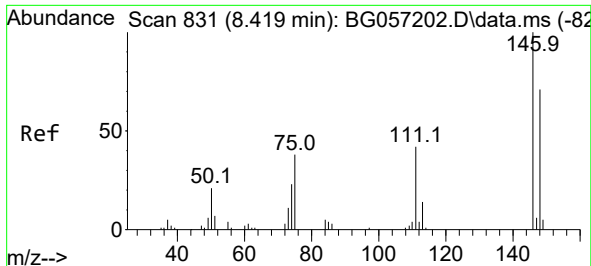
Ion Ratio Lower Upper

146 100

148 65.4 52.2 78.2

75 34.6 31.7 47.5

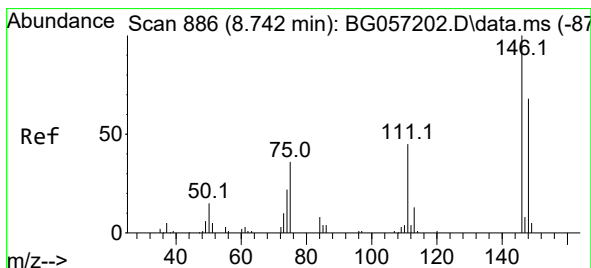
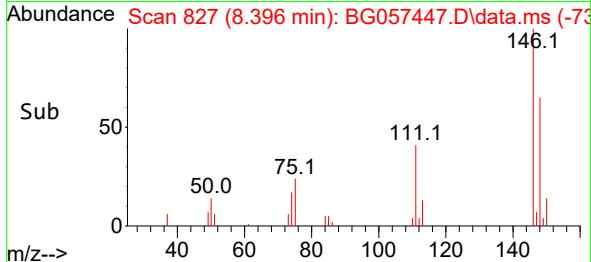
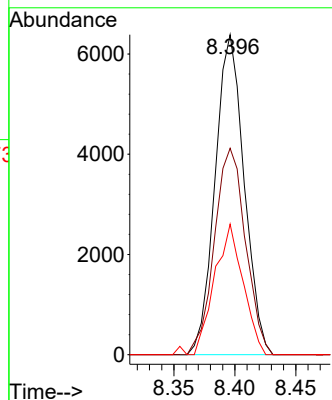
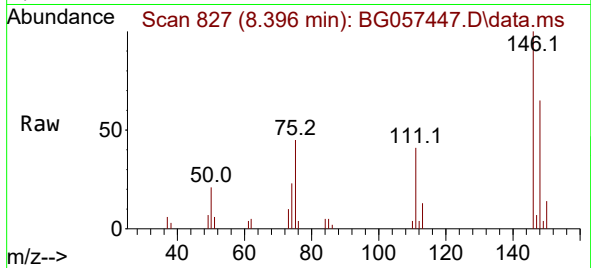




#13
1,4-Dichlorobenzene
Concen: 9.184 ng
RT: 8.396 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

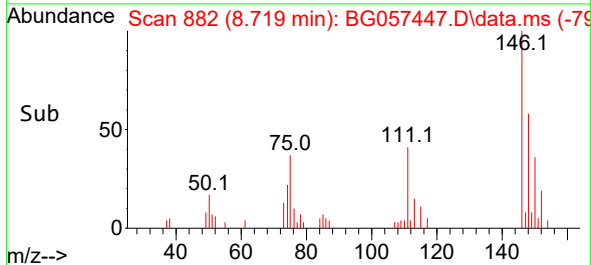
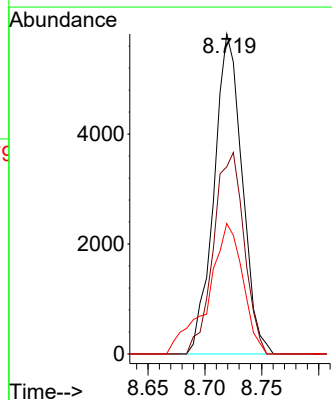
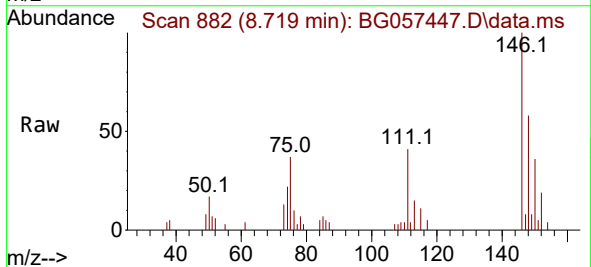
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

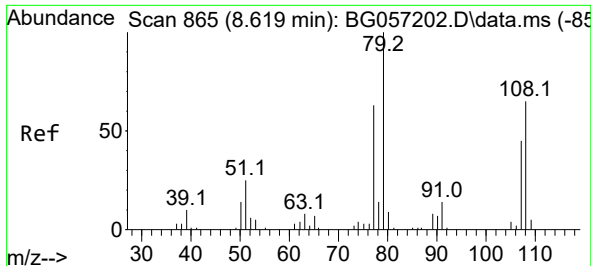
Tgt Ion:146 Resp: 10564
Ion Ratio Lower Upper
146 100
148 64.5 56.4 84.6
111 40.8 33.8 50.6



#14
1,2-Dichlorobenzene
Concen: 9.028 ng
RT: 8.719 min Scan# 882
Delta R.T. -0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:146 Resp: 10025
Ion Ratio Lower Upper
146 100
148 58.5 54.6 82.0
111 40.7 37.2 55.8

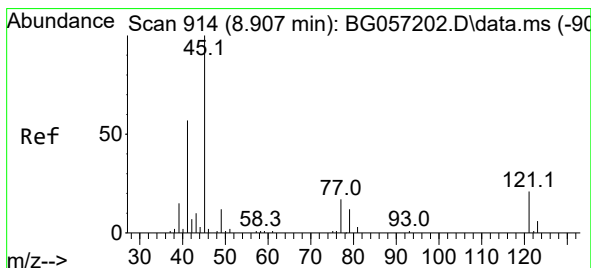
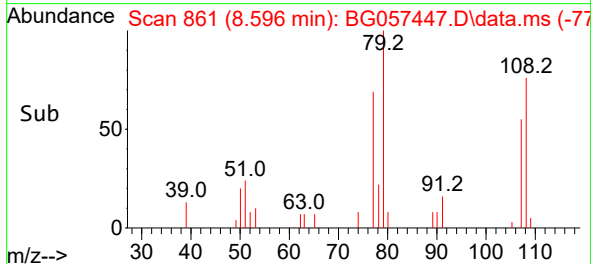
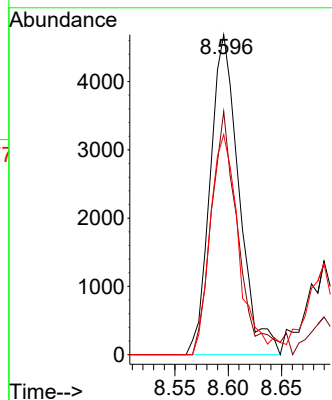
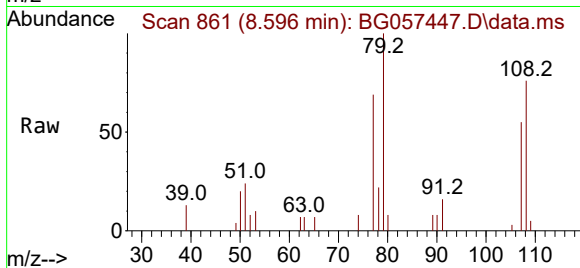




#15
Benzyl Alcohol
Concen: 7.082 ng
RT: 8.596 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

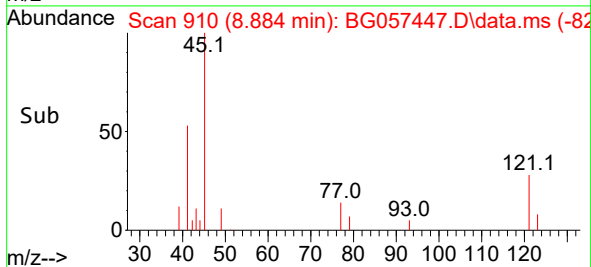
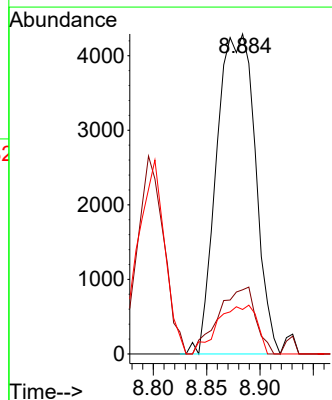
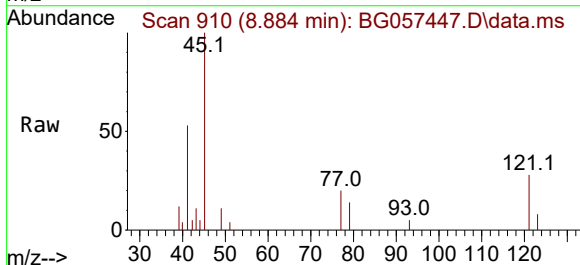
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 79 Resp: 8797
Ion Ratio Lower Upper
79 100
108 76.0 52.2 78.2
77 68.8 50.1 75.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.814 ng
RT: 8.884 min Scan# 910
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion: 45 Resp: 10795
Ion Ratio Lower Upper
45 100
77 20.0 0.0 38.5
79 13.9 0.0 33.8

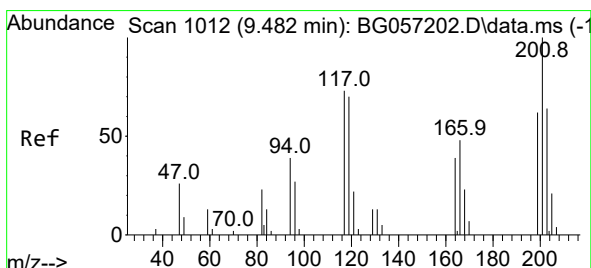
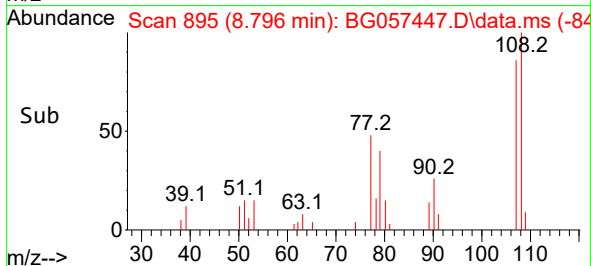
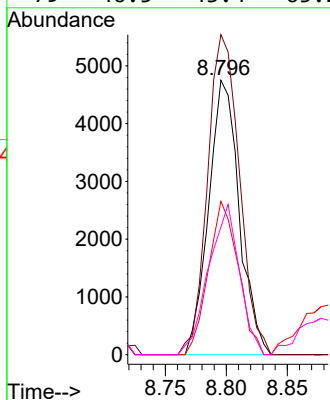
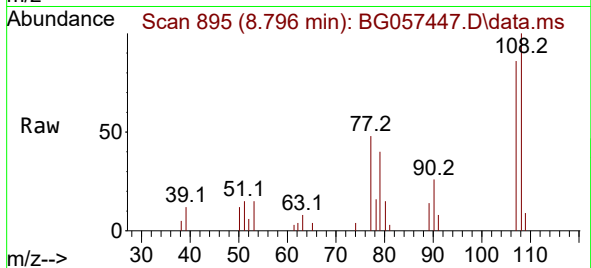




#17
2-Methylphenol
Concen: 7.922 ng
RT: 8.796 min Scan# 899
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

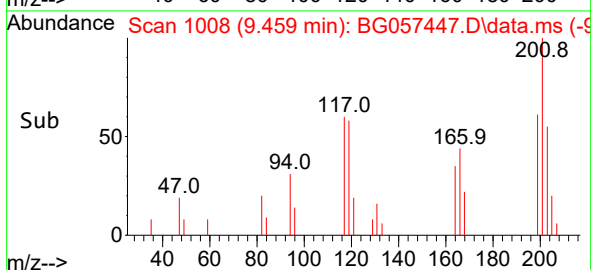
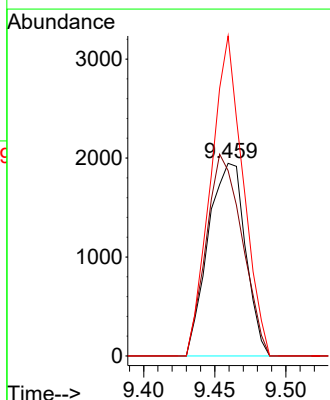
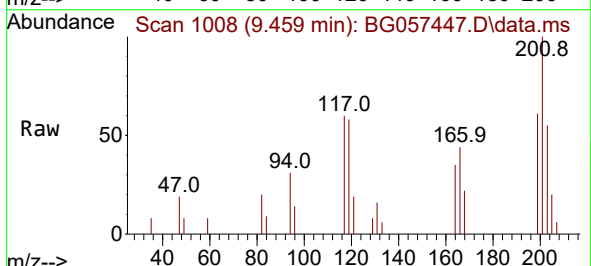
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

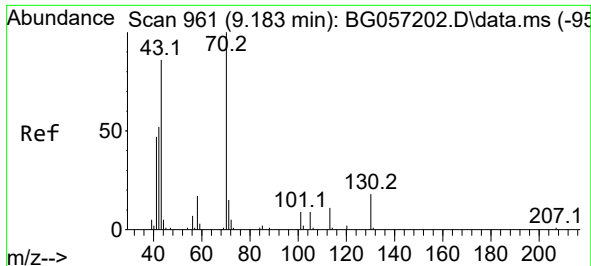
Tgt Ion:	107	Resp:	8301
Ion	Ratio	Lower	Upper
107	100		
108	116.6	89.5	134.3
77	55.9	45.1	67.7
79	46.5	43.4	65.2



#18
Hexachloroethane
Concen: 8.578 ng
RT: 9.459 min Scan# 1008
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:	117	Resp:	3561
Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.7	115.1
201	166.1	109.0	163.4#

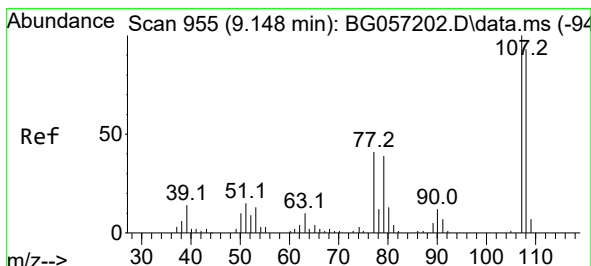
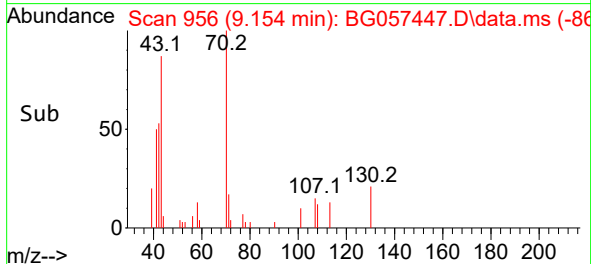
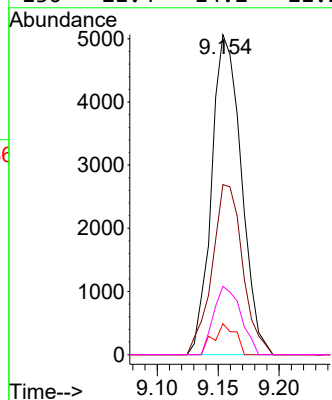
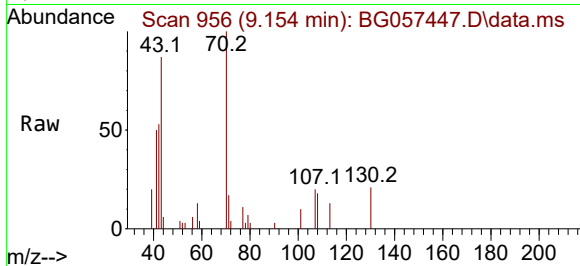




#19
n-Nitroso-di-n-propylamine
Concen: 7.566 ng
RT: 9.154 min Scan# 91
Delta R.T. -0.014 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

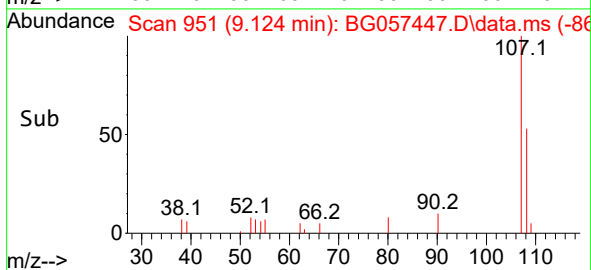
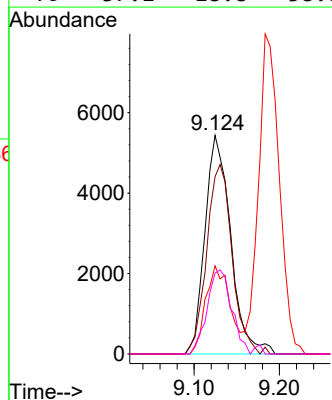
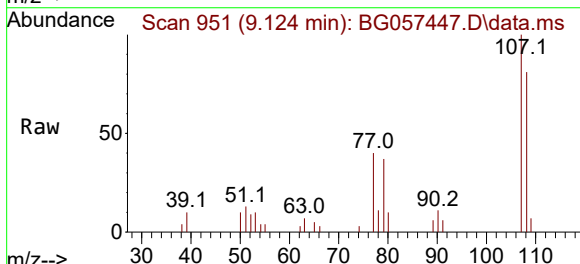
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

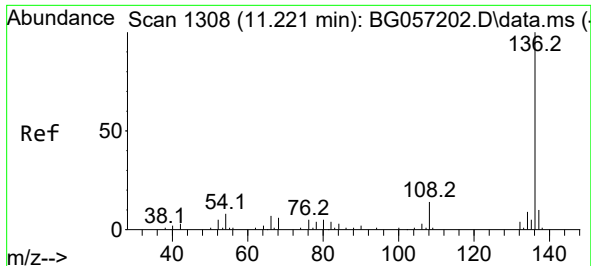
Tgt Ion:	70	Resp:	8602
Ion	Ratio	Lower	Upper
70	100		
42	53.1	41.8	62.8
101	9.7	6.8	10.2
130	21.4	14.2	21.2



#20
3+4-Methylphenols
Concen: 7.944 ng
RT: 9.124 min Scan# 951
Delta R.T. -0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:	107	Resp:	11397
Ion	Ratio	Lower	Upper
107	100		
108	81.1	73.5	113.5
77	40.3	21.1	61.1
79	37.1	18.8	58.8

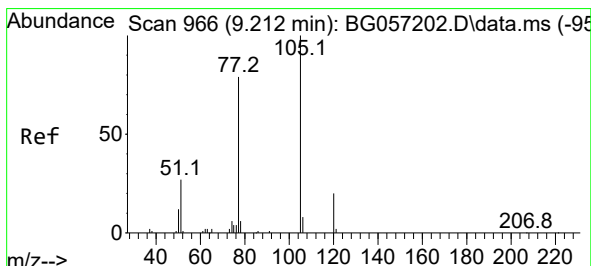
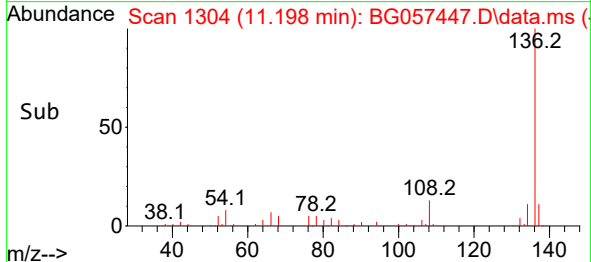
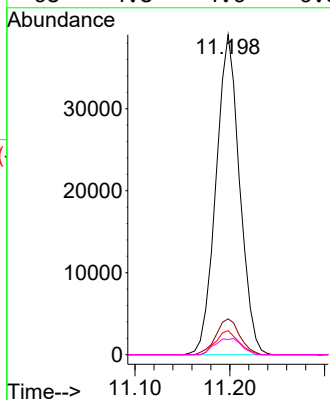
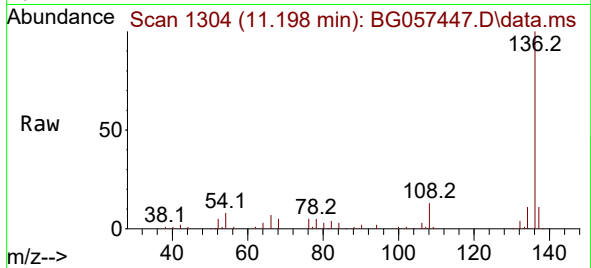




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

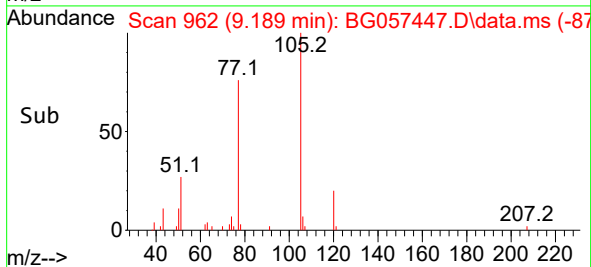
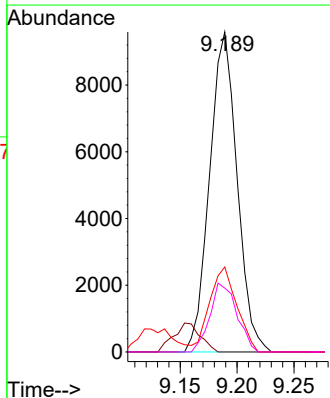
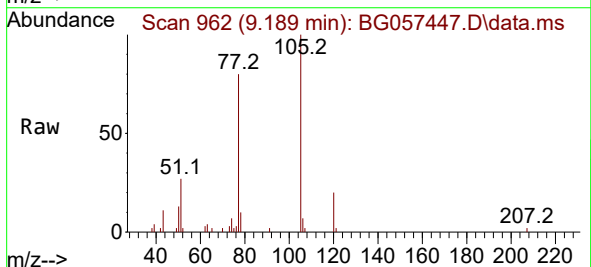
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

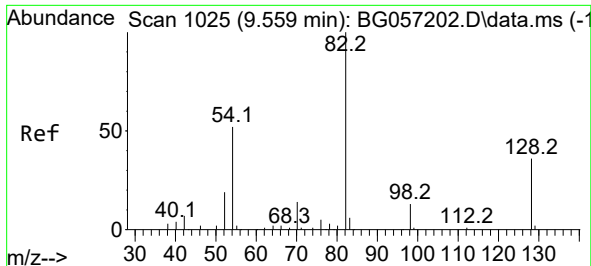
Tgt Ion:	136	Resp:	67516
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.3	12.5
54	7.5	6.7	10.1
68	4.8	4.6	6.8



#22
Acetophenone
Concen: 8.341 ng
RT: 9.189 min Scan# 962
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:	105	Resp:	16119
Ion Ratio	Lower	Upper	
105	100		
71	0.0	0.4	0.6#
51	26.5	24.0	36.0
120	19.9	15.8	23.8





#23

Nitrobenzene-d5

Concen: 67.807 ng

RT: 9.536 min Scan# 1021

Delta R.T. -0.009 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

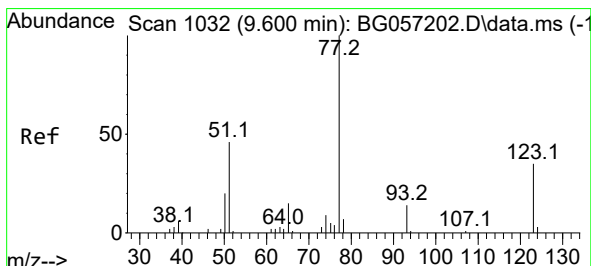
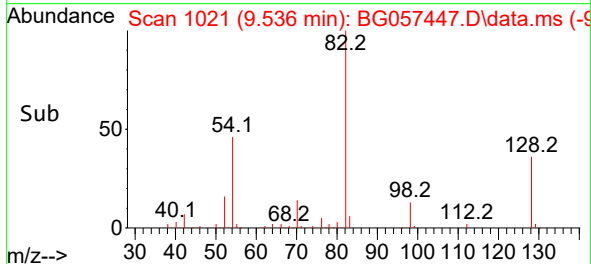
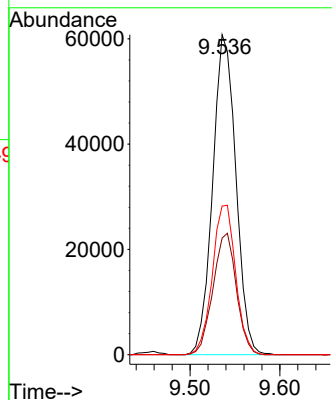
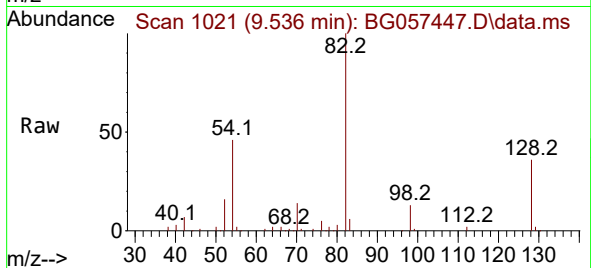
Tgt Ion: 82 Resp: 109077

Ion Ratio Lower Upper

82 100

128 36.5 29.0 43.4

54 46.5 41.4 62.0



#24

Nitrobenzene

Concen: 8.120 ng

RT: 9.583 min Scan# 1029

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

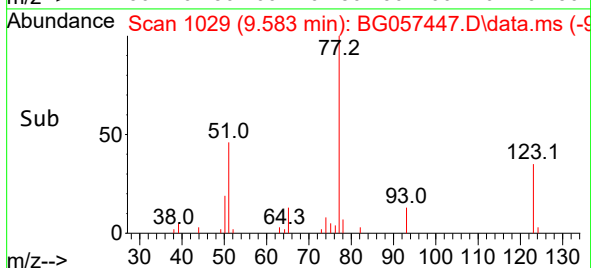
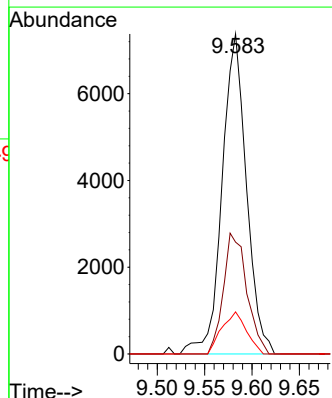
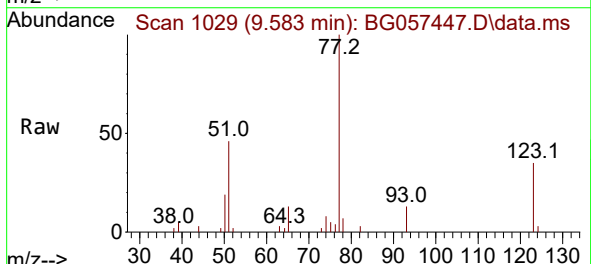
Tgt Ion: 77 Resp: 13184

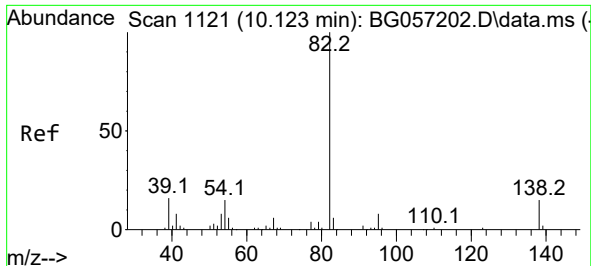
Ion Ratio Lower Upper

77 100

123 34.9 28.2 42.2

65 13.2 11.7 17.5

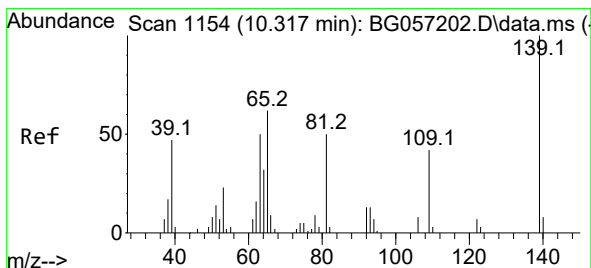
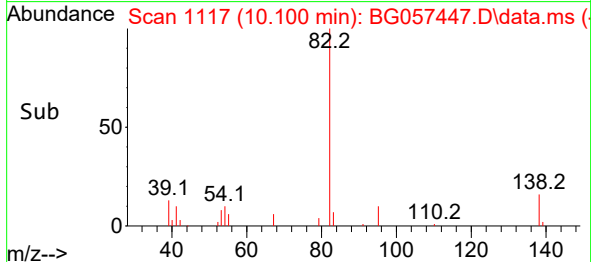
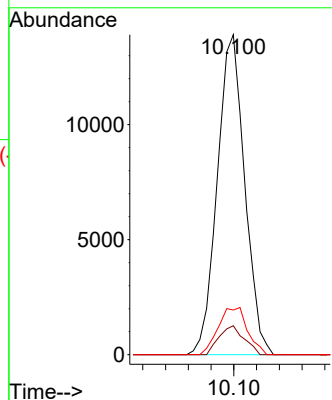
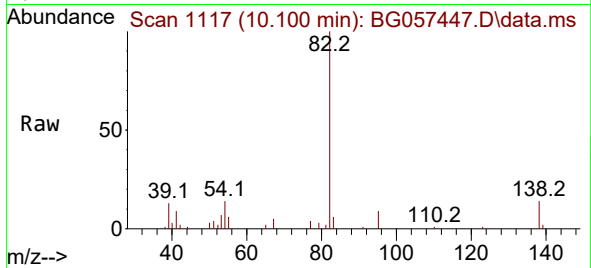




#25
Isophorone
Concen: 7.463 ng
RT: 10.100 min Scan# 1117
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

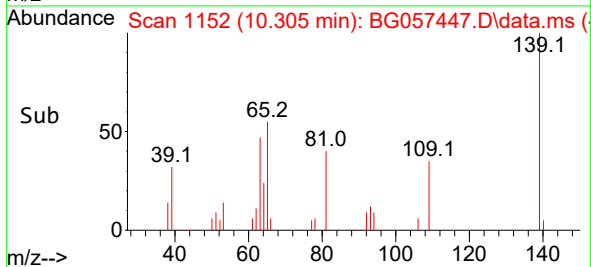
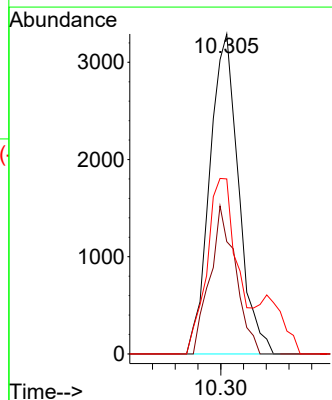
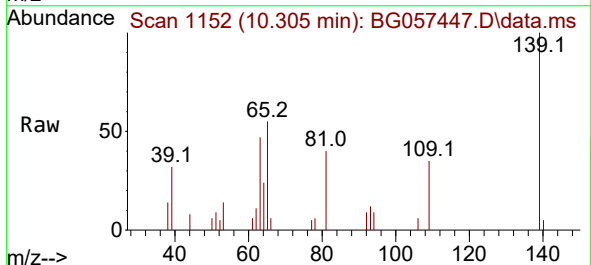
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

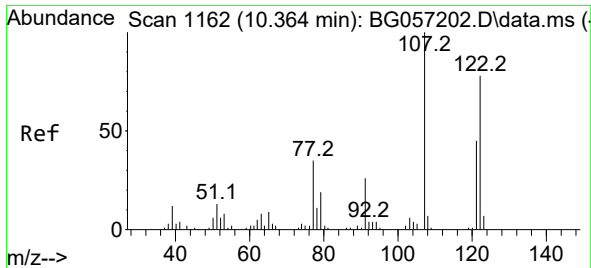
Tgt Ion: 82 Resp: 23280
Ion Ratio Lower Upper
82 100
95 9.1 6.4 9.6
138 13.9 12.3 18.5



#26
2-Nitrophenol
Concen: 9.332 ng
RT: 10.305 min Scan# 1152
Delta R.T. 0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:139 Resp: 5800
Ion Ratio Lower Upper
139 100
109 35.1 33.4 50.2
65 54.7 49.8 74.6

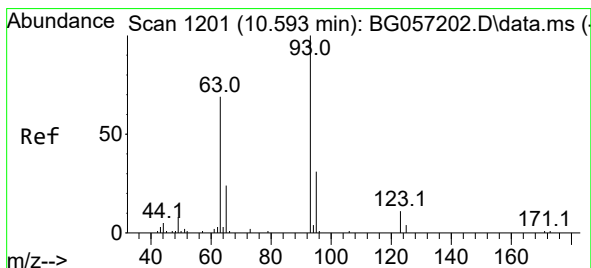
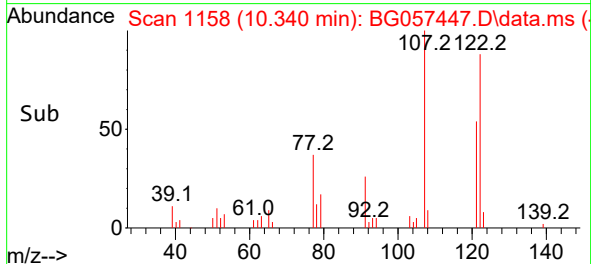
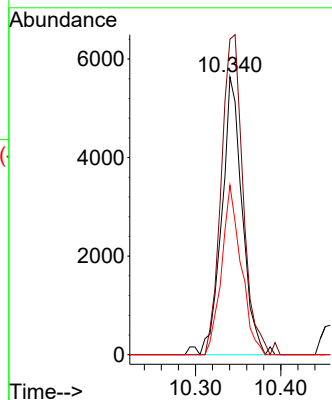
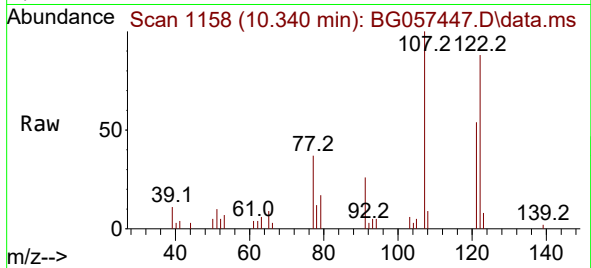




#27
2,4-Dimethylphenol
Concen: 8.664 ng
RT: 10.340 min Scan# 1162
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

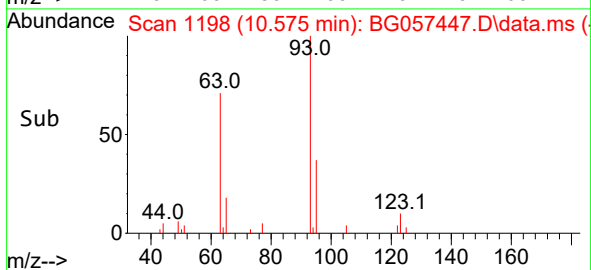
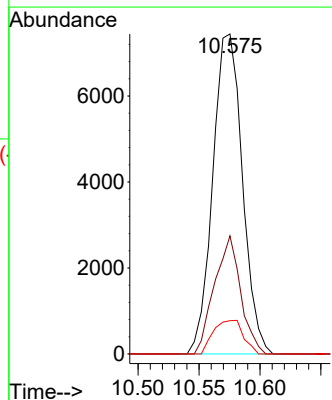
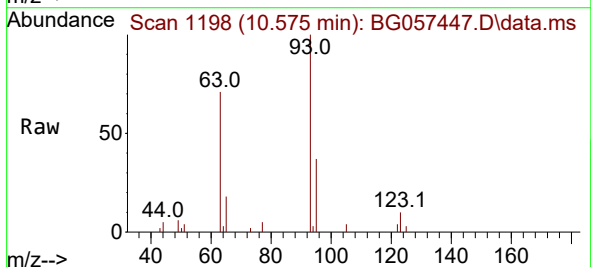
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

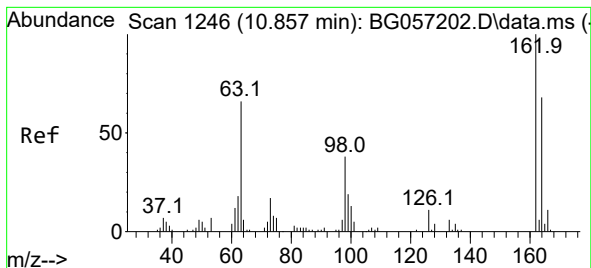
Tgt Ion:122 Resp: 9428
Ion Ratio Lower Upper
122 100
107 113.6 103.0 154.4
121 61.0 45.9 68.9



#28
bis(2-Chloroethoxy)methane
Concen: 8.044 ng
RT: 10.575 min Scan# 1198
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion: 93 Resp: 12570
Ion Ratio Lower Upper
93 100
95 36.9 25.0 37.6
123 10.4 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 8.692 ng

RT: 10.846 min Scan# 11

Delta R.T. 0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

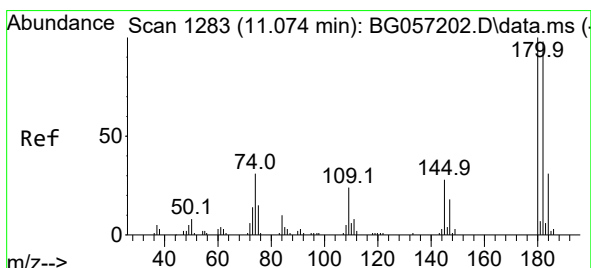
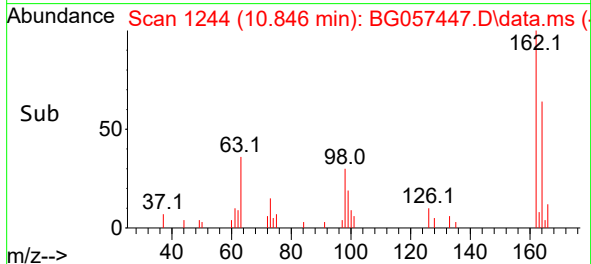
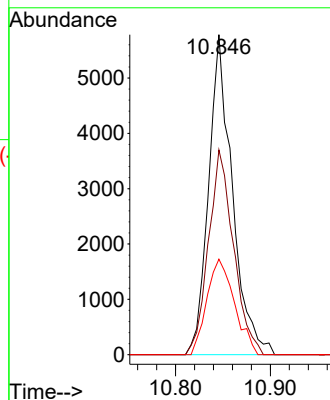
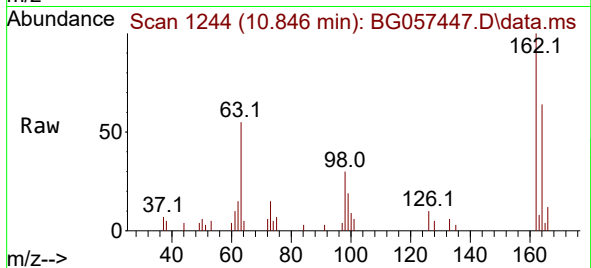
Tgt Ion:162 Resp: 10032

Ion Ratio Lower Upper

162 100

164 64.0 48.4 88.4

98 29.8 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 9.195 ng

RT: 11.057 min Scan# 1280

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

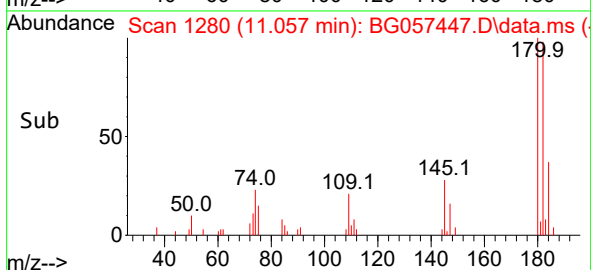
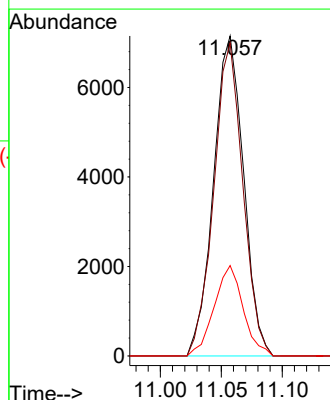
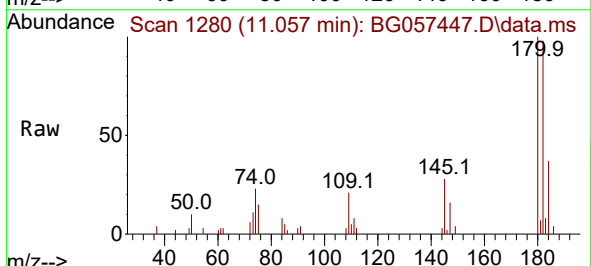
Tgt Ion:180 Resp: 12241

Ion Ratio Lower Upper

180 100

182 97.8 78.0 117.0

145 28.3 22.4 33.6

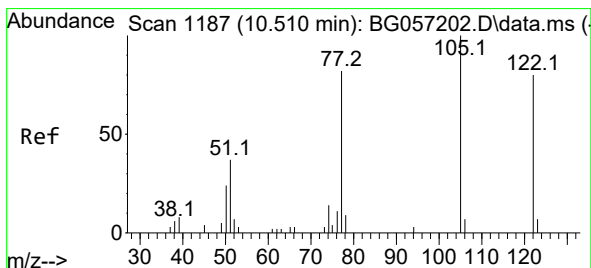
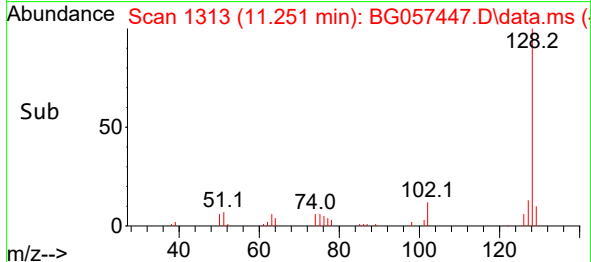
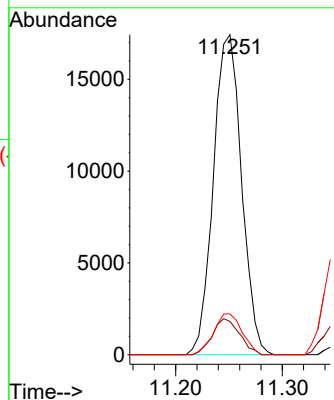
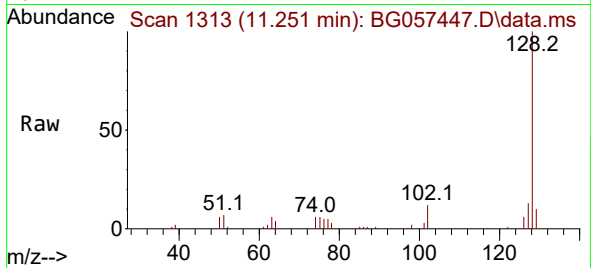




#31
Naphthalene
Concen: 8.851 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

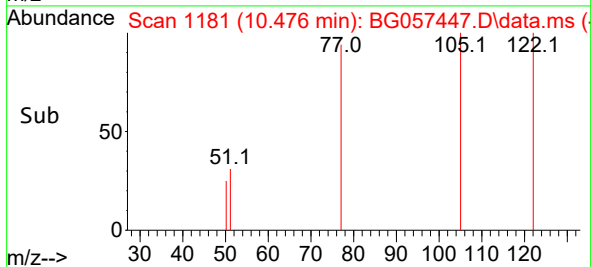
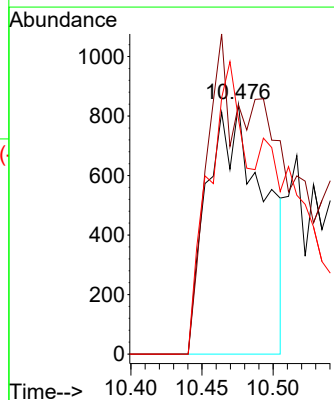
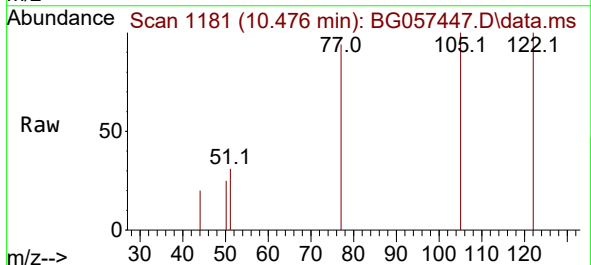
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

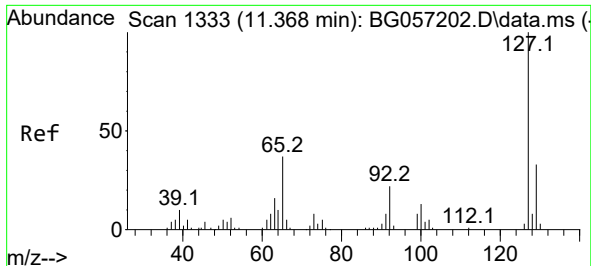
Tgt Ion:128 Resp: 31948
Ion Ratio Lower Upper
128 100
129 10.4 8.3 12.5
127 12.8 11.1 16.7



#32
Benzoic acid
Concen: 8.026 ng
RT: 10.476 min Scan# 1181
Delta R.T. -0.014 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:122 Resp: 2303
Ion Ratio Lower Upper
122 100
105 99.8 105.2 145.2#
77 94.0 83.1 123.1

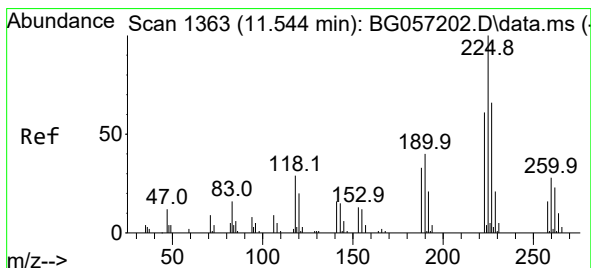
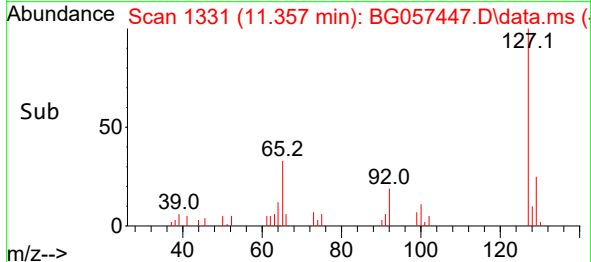
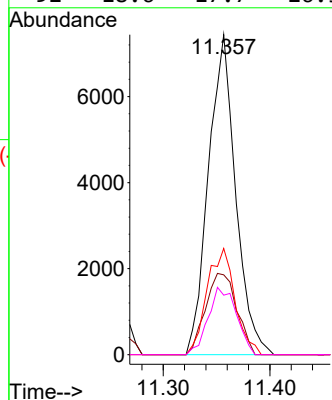
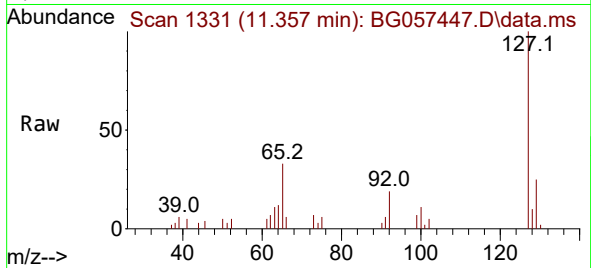




#33
4-Chloroaniline
Concen: 8.130 ng
RT: 11.357 min Scan# 1131
Delta R.T. 0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

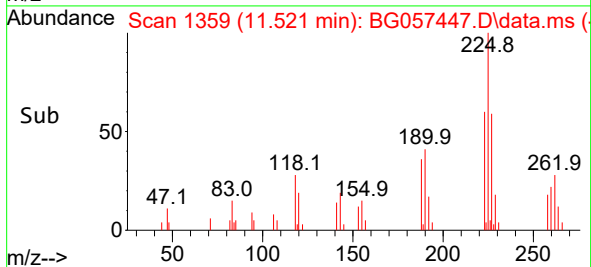
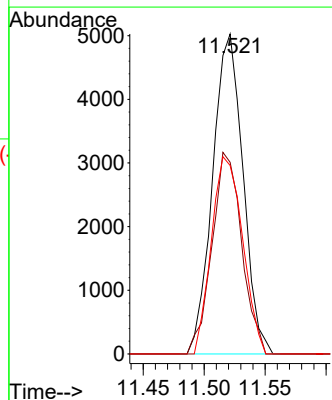
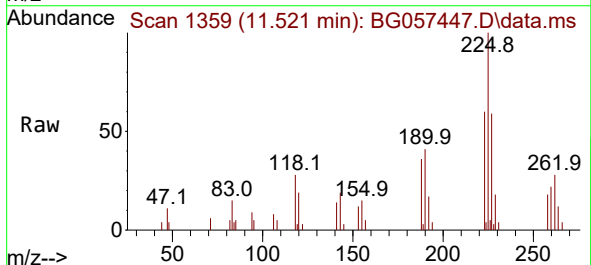
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

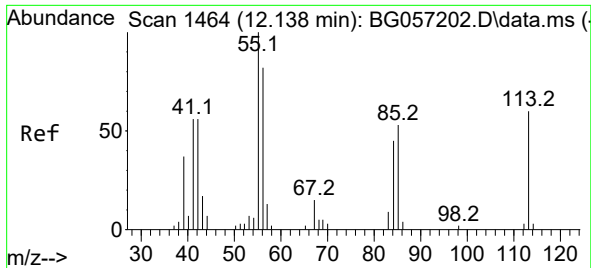
Tgt Ion:127	Resp:	13178
Ion	Ratio	Lower Upper
127	100	
129	25.0	26.7 40.1#
65	33.2	29.7 44.5
92	18.6	17.7 26.5



#34
Hexachlorobutadiene
Concen: 8.803 ng
RT: 11.521 min Scan# 1359
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:225	Resp:	8696
Ion	Ratio	Lower Upper
225	100	
223	59.9	48.6 72.8
227	58.9	52.7 79.1

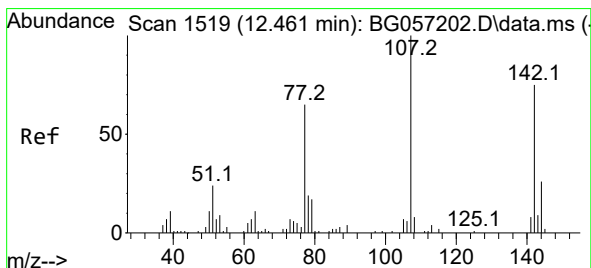
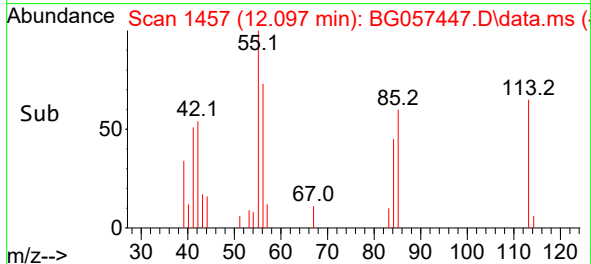
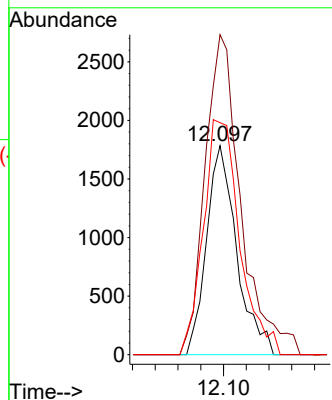
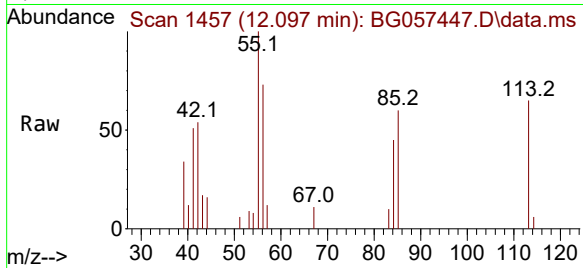




#35
Caprolactam
Concen: 8.332 ng
RT: 12.097 min Scan# 14
Delta R.T. -0.032 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

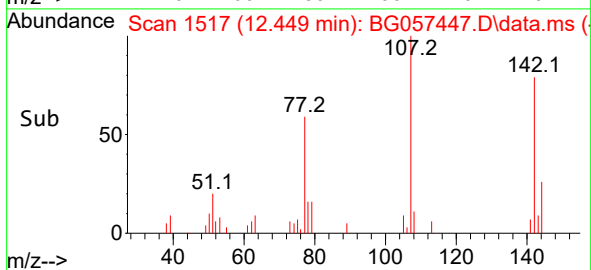
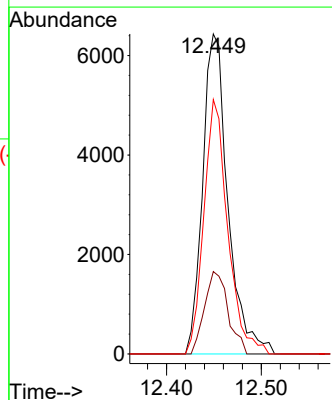
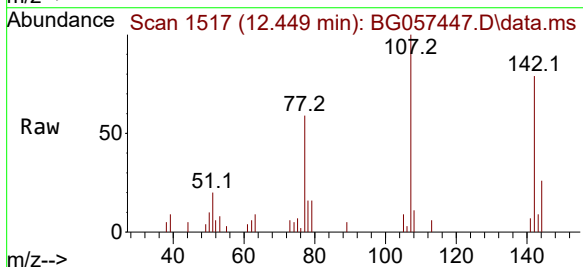
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

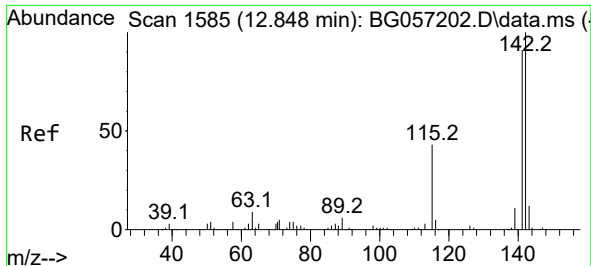
Tgt Ion:113 Resp: 3285
Ion Ratio Lower Upper
113 100
55 153.1 145.5 185.5
56 111.0 115.9 155.9#



#36
4-Chloro-3-methylphenol
Concen: 9.054 ng
RT: 12.449 min Scan# 1517
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:107 Resp: 11876
Ion Ratio Lower Upper
107 100
144 25.8 21.0 31.6
142 79.5 60.0 90.0





#37

2-Methylnaphthalene

Concen: 8.467 ng

RT: 12.831 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG057447.D

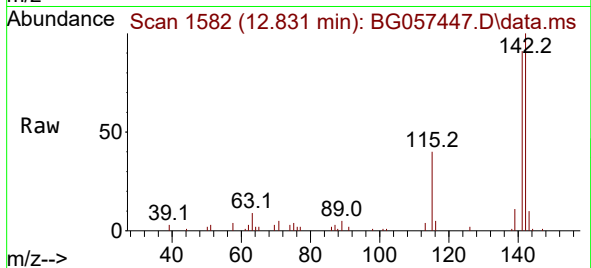
Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



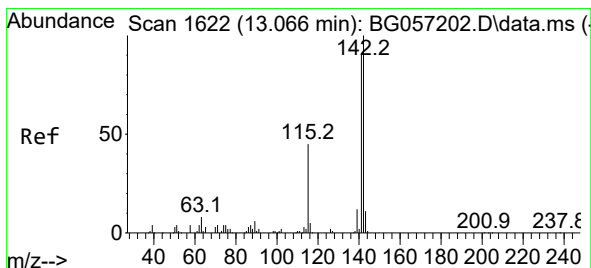
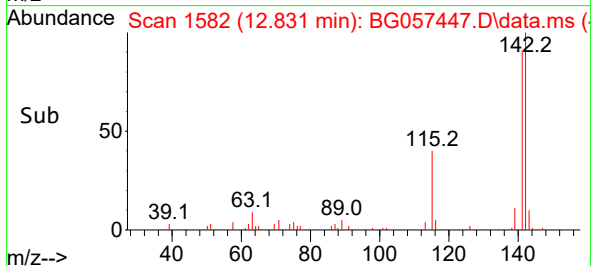
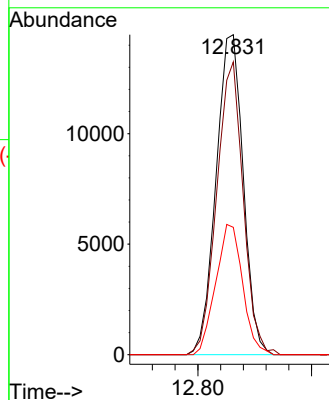
Tgt Ion:142 Resp: 24030

Ion Ratio Lower Upper

142 100

141 91.5 73.1 109.7

115 39.8 34.6 52.0



#38

1-Methylnaphthalene

Concen: 8.394 ng

RT: 13.043 min Scan# 1618

Delta R.T. -0.008 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

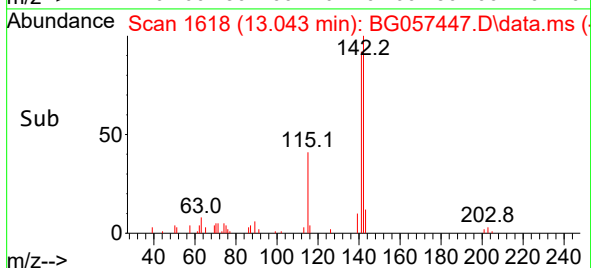
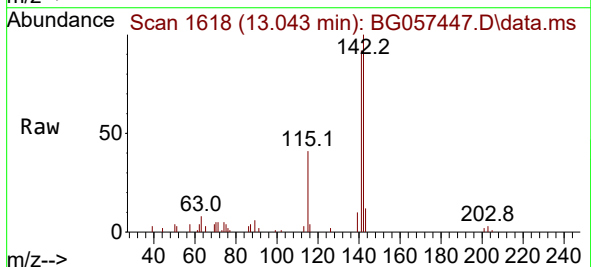
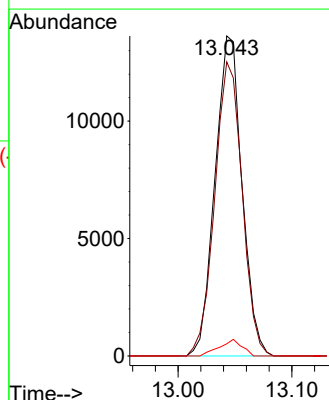
Tgt Ion:142 Resp: 22453

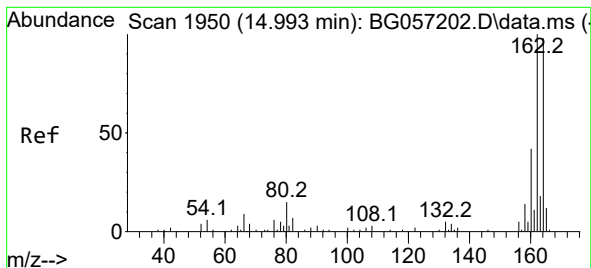
Ion Ratio Lower Upper

142 100

141 91.9 72.5 108.7

116 3.8 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.975 min Scan# 1947

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

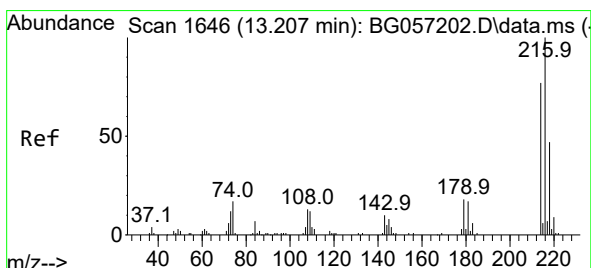
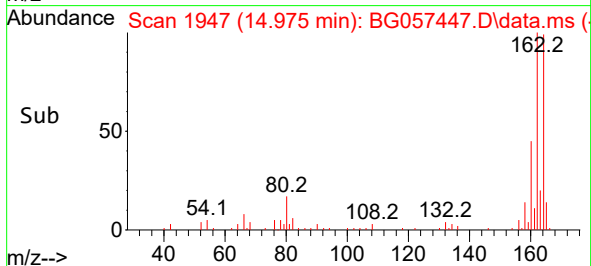
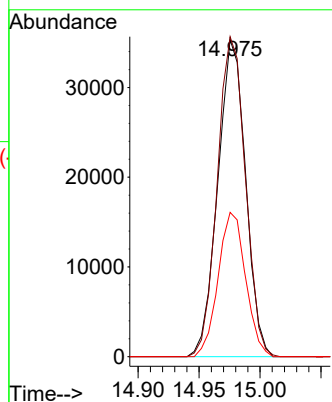
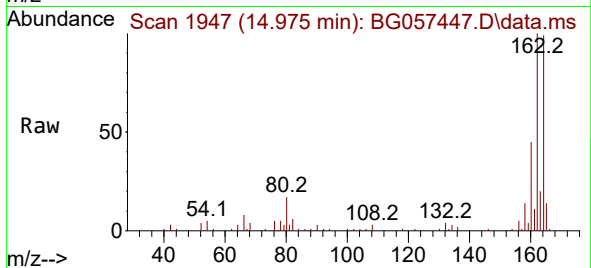
Tgt Ion:164 Resp: 56048

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.6

160 45.5 34.6 52.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.772 ng

RT: 13.190 min Scan# 1643

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Tgt Ion:216 Resp: 17455

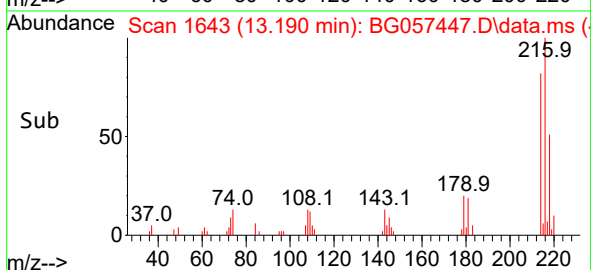
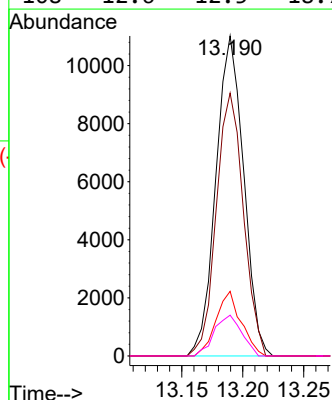
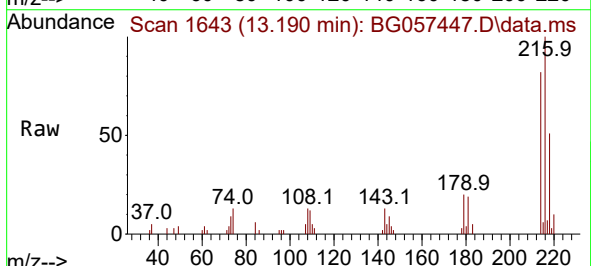
Ion Ratio Lower Upper

216 100

214 80.2 63.7 95.5

179 18.3 14.6 22.0

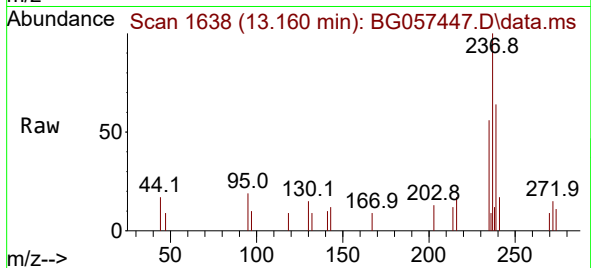
108 12.6 12.5 18.7



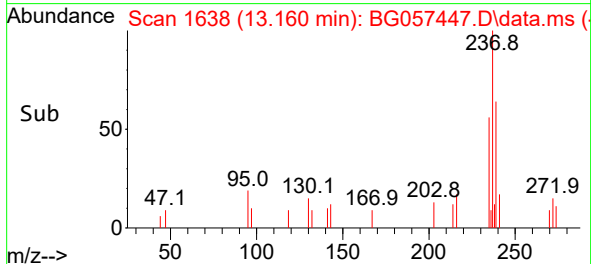
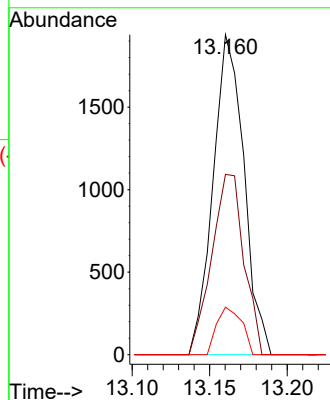


#41
Hexachlorocyclopentadiene
Concen: 8.876 ng
RT: 13.160 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

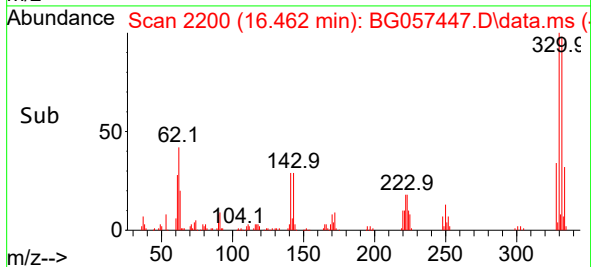
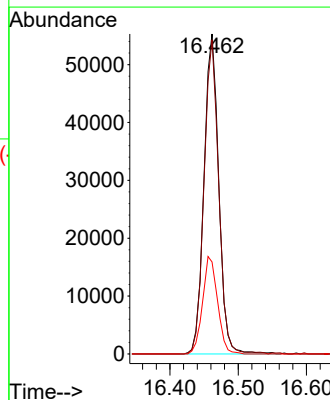
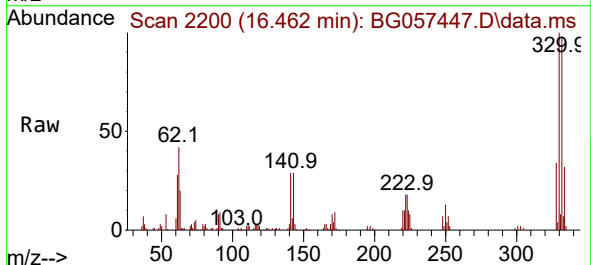


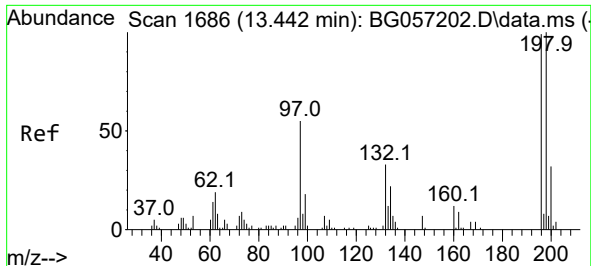
Tgt Ion:237 Resp: 2679
Ion Ratio Lower Upper
237 100
235 56.4 42.0 82.0
272 14.9 0.0 31.5



#42
2,4,6-Tribromophenol
Concen: 104.598 ng
RT: 16.462 min Scan# 2200
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:330 Resp: 83183
Ion Ratio Lower Upper
330 100
332 97.2 78.2 117.2
141 30.8 27.8 41.8

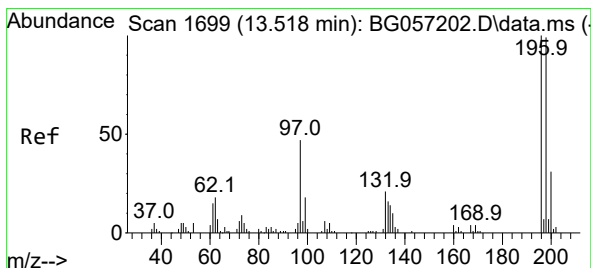
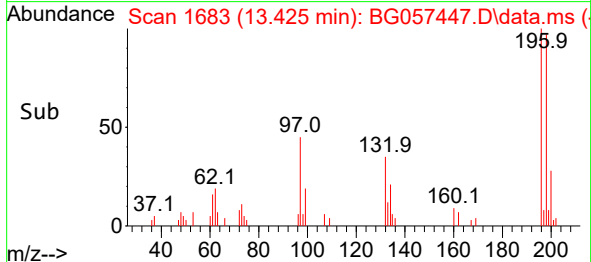
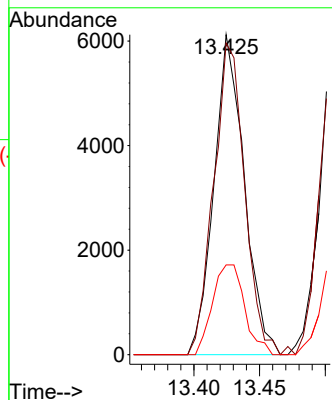
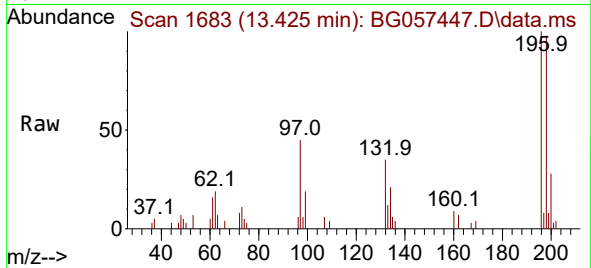




#43
2,4,6-Trichlorophenol
Concen: 8.112 ng
RT: 13.425 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

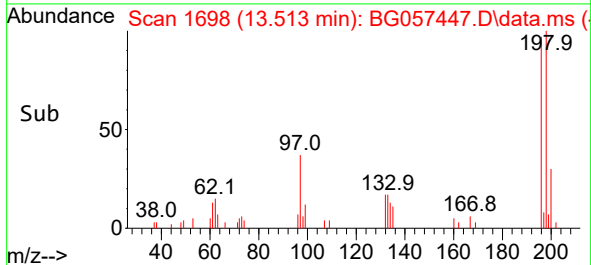
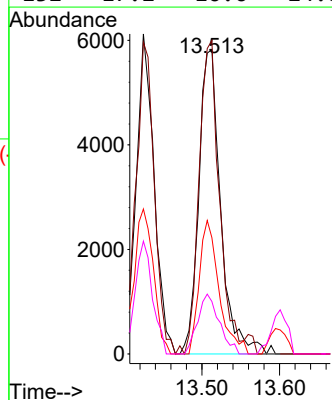
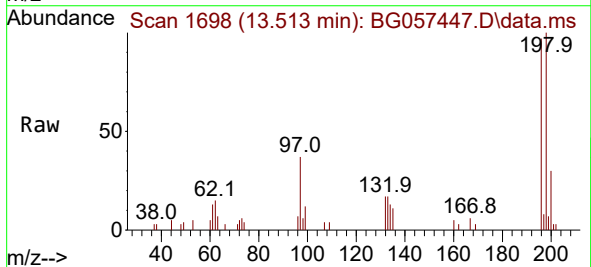
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

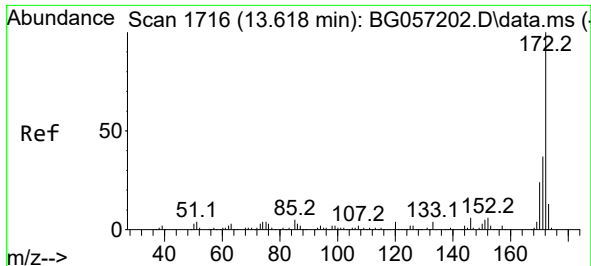
Tgt Ion:196 Resp: 9834
Ion Ratio Lower Upper
196 100
198 97.4 81.2 121.8
200 28.1 26.3 39.5



#44
2,4,5-Trichlorophenol
Concen: 8.021 ng
RT: 13.513 min Scan# 1698
Delta R.T. 0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:196 Resp: 11437
Ion Ratio Lower Upper
196 100
198 102.9 79.4 119.2
97 38.2 37.0 55.4
132 17.2 16.6 24.8

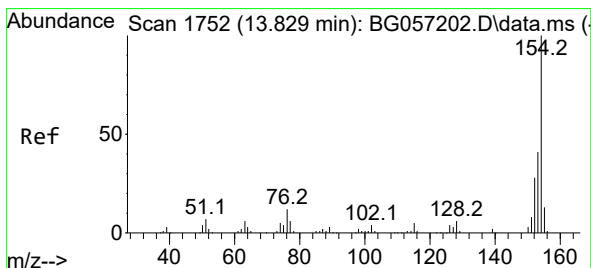
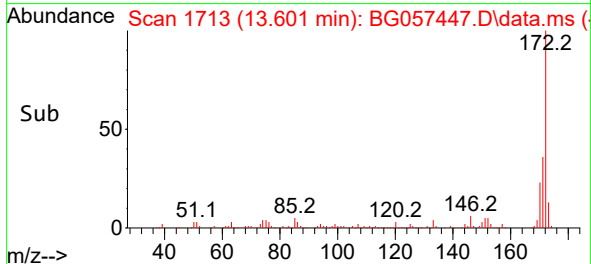
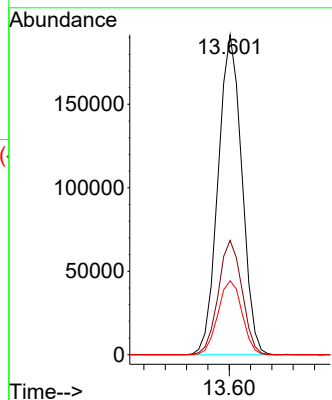
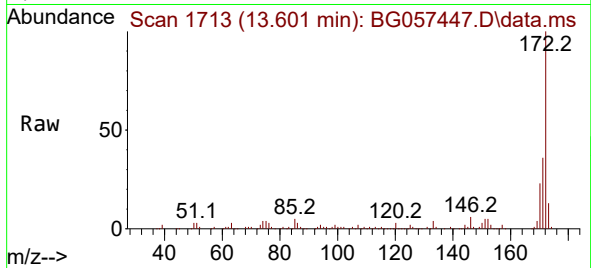




#45
2-Fluorobiphenyl
Concen: 71.029 ng
RT: 13.601 min Scan# 1713
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

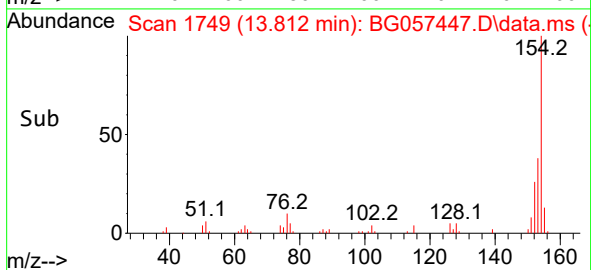
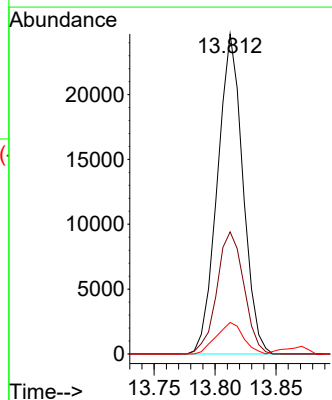
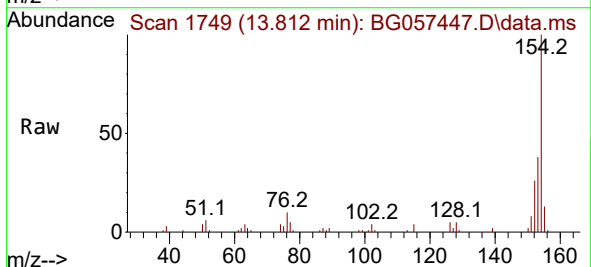
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:172 Resp: 295592
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 23.1 19.0 28.6



#46
1,1'-Biphenyl
Concen: 8.608 ng
RT: 13.812 min Scan# 1749
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:154 Resp: 35802
Ion Ratio Lower Upper
154 100
153 38.2 20.9 60.9
76 9.8 0.0 31.7





#47

2-Chloronaphthalene

Concen: 8.950 ng

RT: 13.865 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

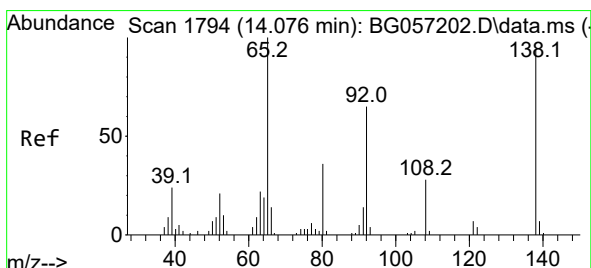
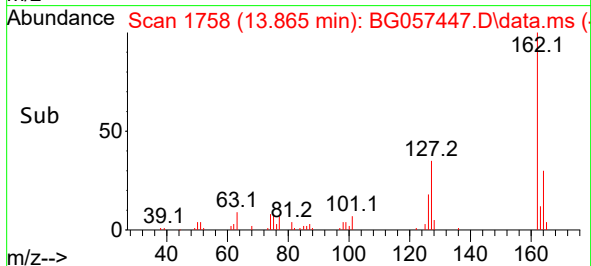
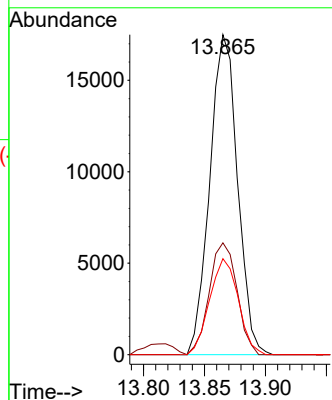
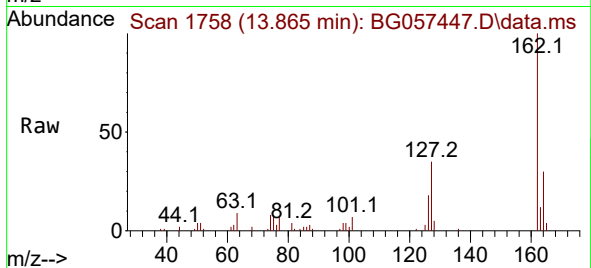
Tgt Ion:162 Resp: 27681

Ion Ratio Lower Upper

162 100

127 35.0 29.8 44.6

164 30.0 26.6 40.0



#48

2-Nitroaniline

Concen: 7.387 ng

RT: 14.059 min Scan# 1791

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

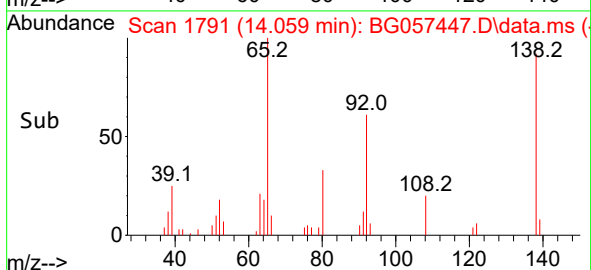
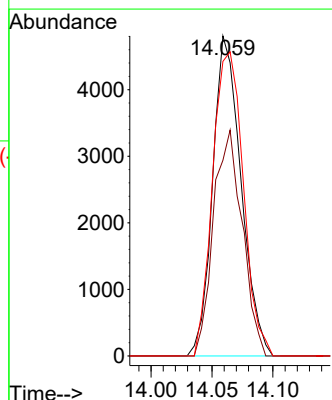
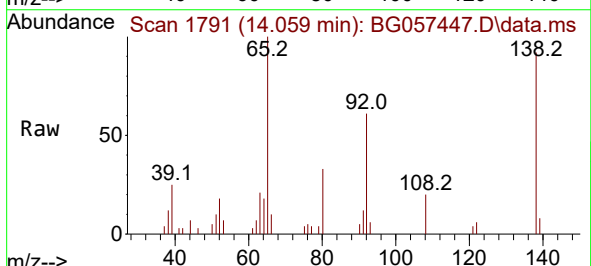
Tgt Ion: 65 Resp: 7768

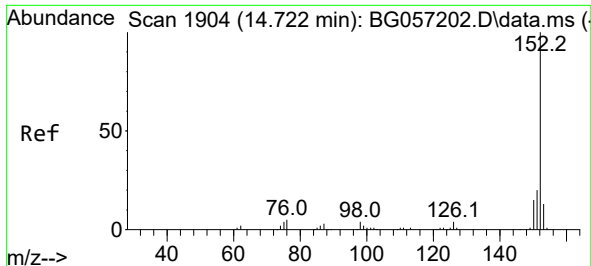
Ion Ratio Lower Upper

65 100

92 61.1 52.1 78.1

138 92.1 75.3 112.9

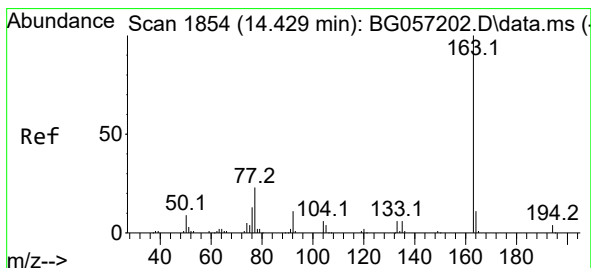
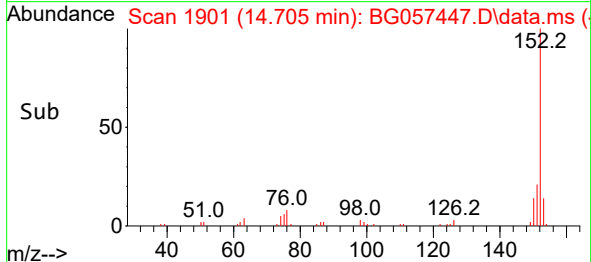
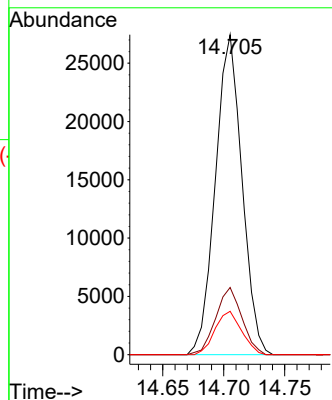
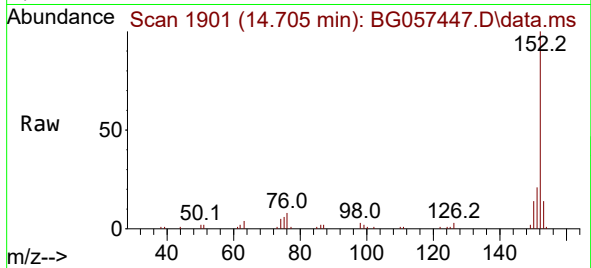




#49
Acenaphthylene
Concen: 8.283 ng
RT: 14.705 min Scan# 1901
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

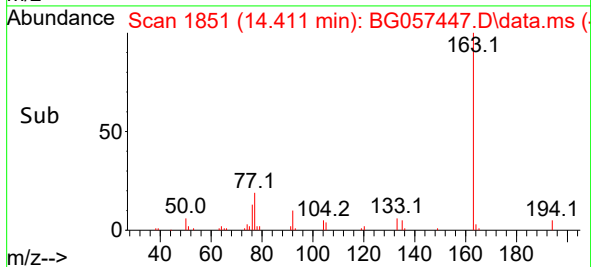
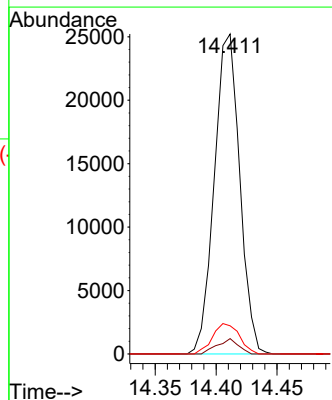
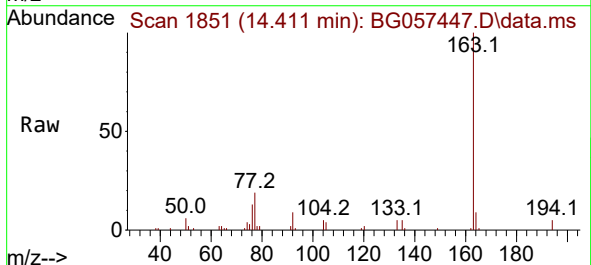
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

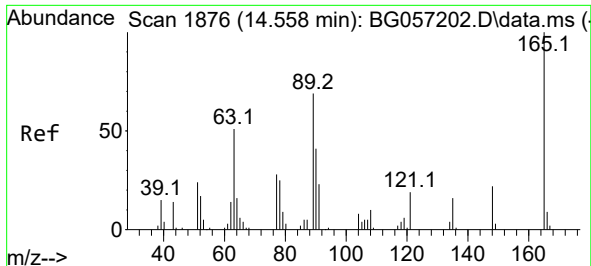
Tgt Ion:152 Resp: 41618
Ion Ratio Lower Upper
152 100
151 21.0 16.0 24.0
153 13.6 10.7 16.1



#50
Dimethylphthalate
Concen: 7.933 ng
RT: 14.411 min Scan# 1851
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:163 Resp: 36536
Ion Ratio Lower Upper
163 100
194 4.8 3.4 5.2
164 8.8 8.8 13.2#

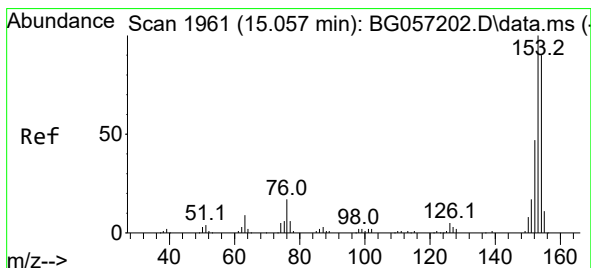
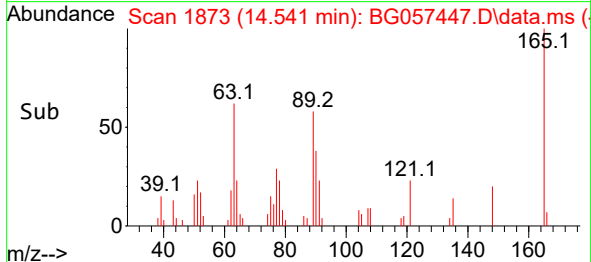
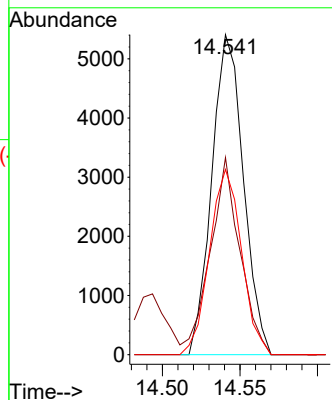
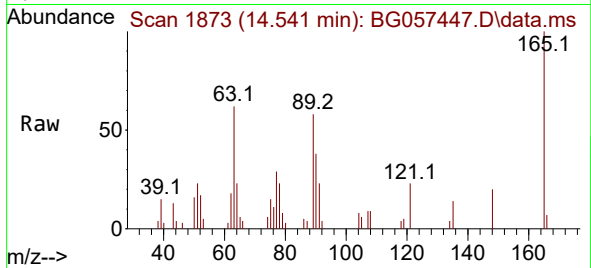




#51
2,6-Dinitrotoluene
Concen: 8.132 ng
RT: 14.541 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

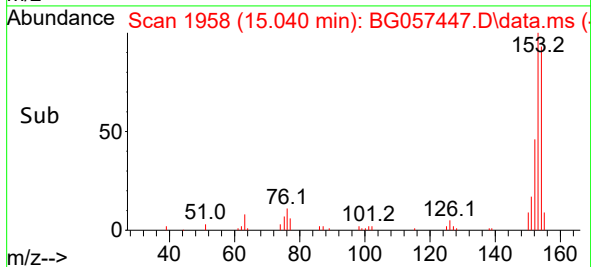
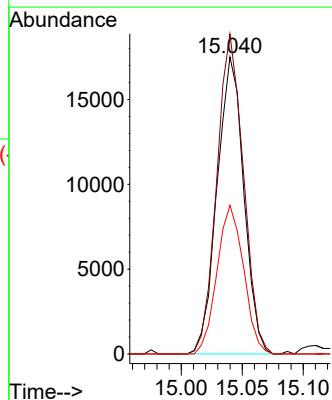
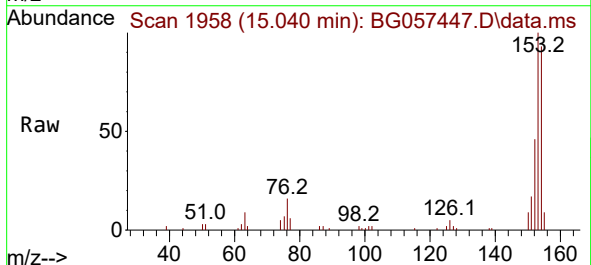
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

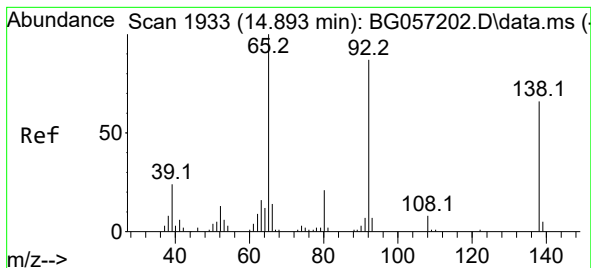
Tgt Ion:165 Resp: 7647
Ion Ratio Lower Upper
165 100
63 61.6 50.9 76.3
89 57.9 55.2 82.8



#52
Acenaphthene
Concen: 8.484 ng
RT: 15.040 min Scan# 1958
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:154 Resp: 26638
Ion Ratio Lower Upper
154 100
153 107.8 89.3 133.9
152 50.1 41.7 62.5





#53

3-Nitroaniline

Concen: 7.381 ng

RT: 14.881 min Scan# 1931

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

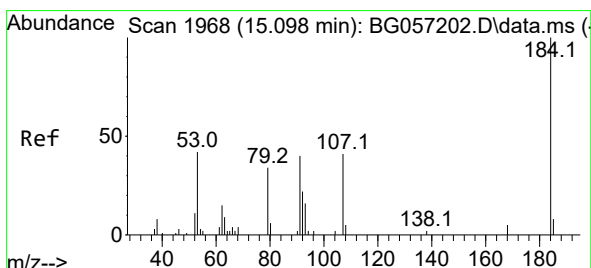
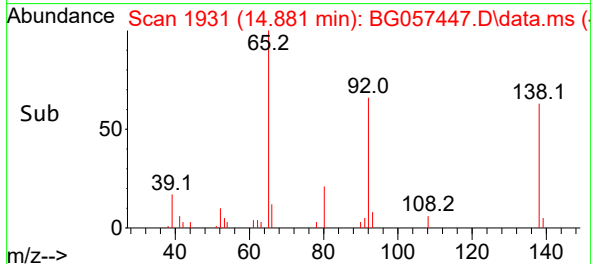
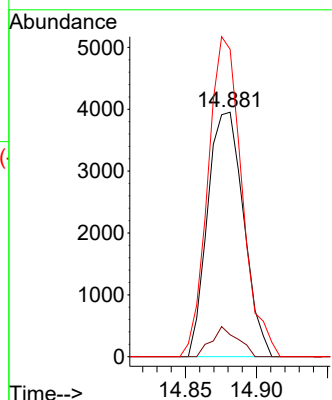
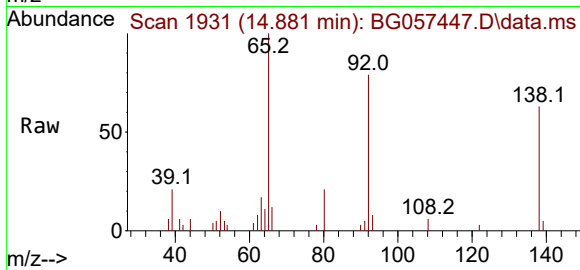
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:	138	Resp:	6954
Ion	Ratio	Lower	Upper
138	100		
108	9.0	9.5	14.3#
92	125.8	106.2	159.4



#54

2,4-Dinitrophenol

Concen: 7.500 ng

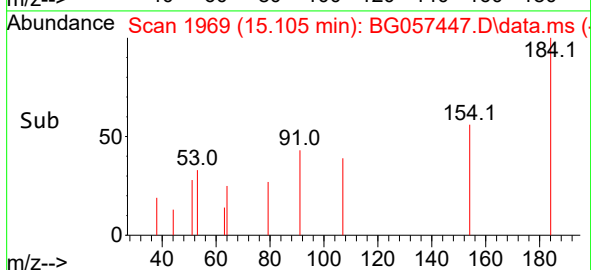
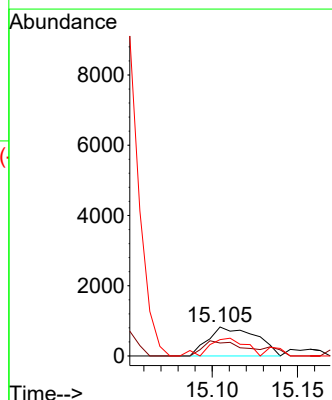
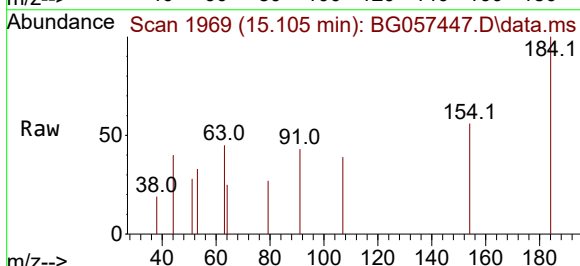
RT: 15.105 min Scan# 1969

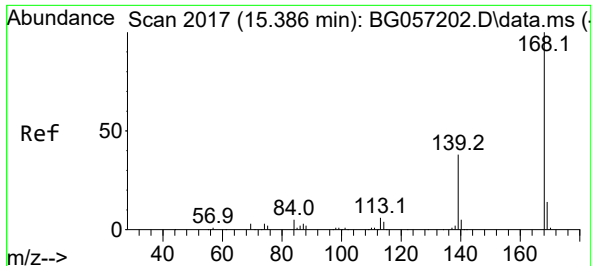
Delta R.T. 0.009 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Tgt Ion:	184	Resp:	1603
Ion	Ratio	Lower	Upper
184	100		
63	44.8	48.2	72.4#
154	56.4	55.4	83.2

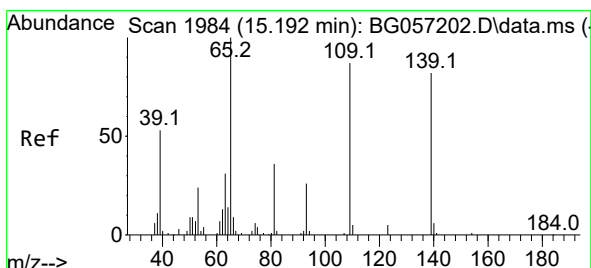
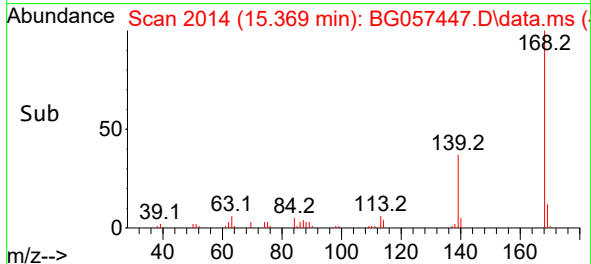
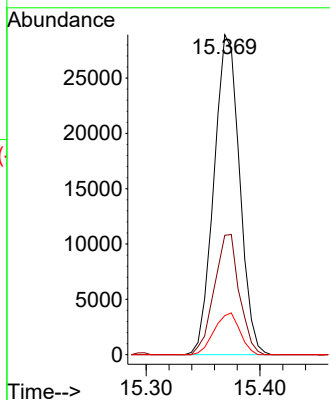
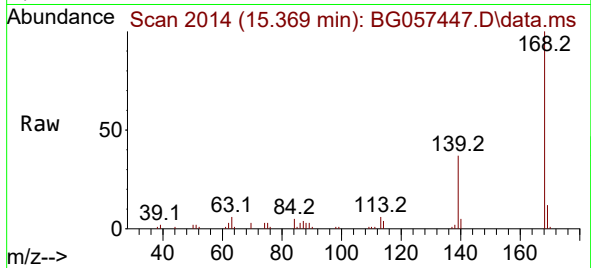




#55
Dibenzofuran
Concen: 8.588 ng
RT: 15.369 min Scan# 2017
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

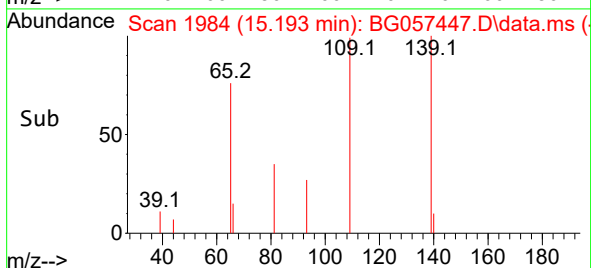
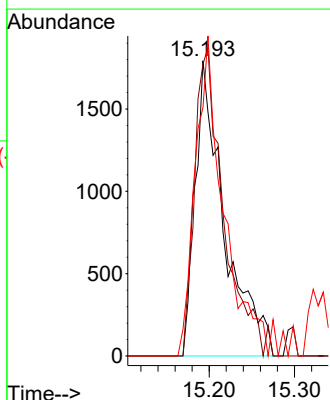
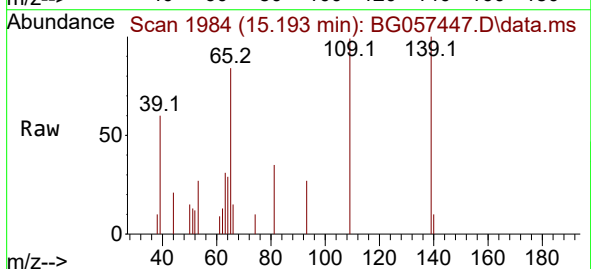
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

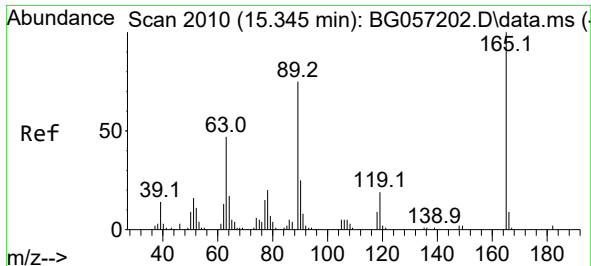
Tgt Ion:168 Resp: 45304
Ion Ratio Lower Upper
168 100
139 37.3 30.7 46.1
169 12.2 10.9 16.3



#56
4-Nitrophenol
Concen: 6.856 ng
RT: 15.193 min Scan# 1984
Delta R.T. 0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:139 Resp: 4296
Ion Ratio Lower Upper
139 100
109 98.9 86.6 126.6
65 84.3 102.6 142.6#





#57

2,4-Dinitrotoluene

Concen: 8.203 ng

RT: 15.334 min Scan# 20

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:165 Resp: 11025

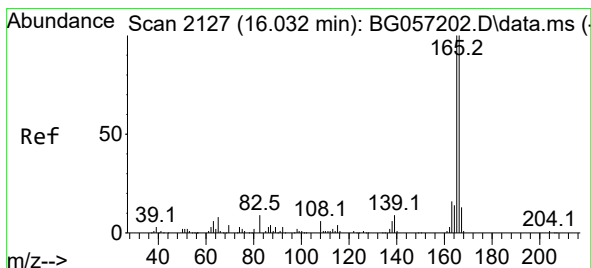
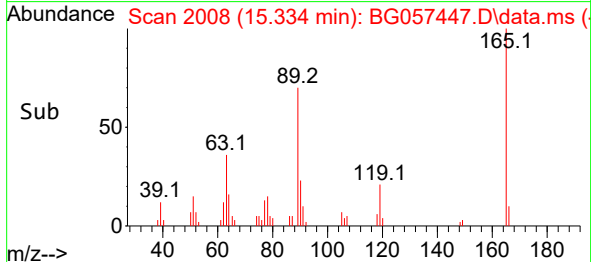
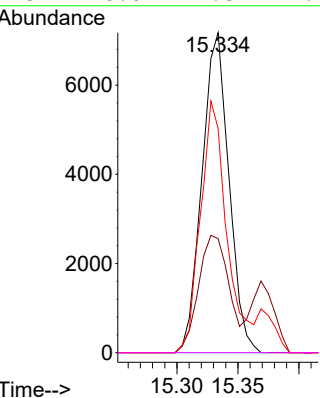
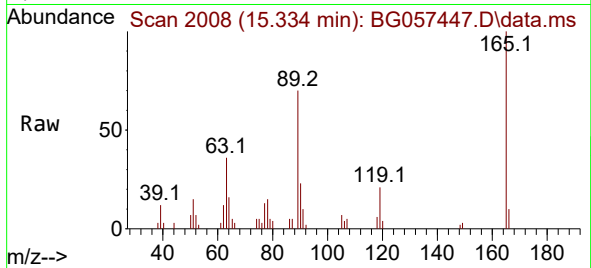
Ion Ratio Lower Upper

165 100

63 35.6 37.5 56.3#

89 70.1 60.2 90.4

182 0.0 1.8 2.8#



#58

Fluorene

Concen: 8.561 ng

RT: 16.015 min Scan# 2124

Delta R.T. -0.008 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

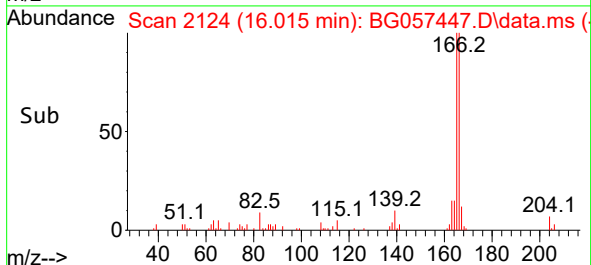
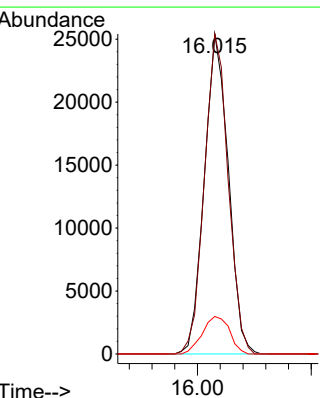
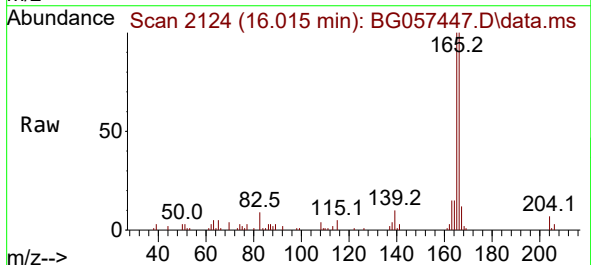
Tgt Ion:166 Resp: 37198

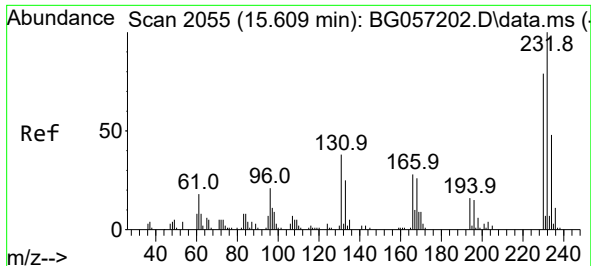
Ion Ratio Lower Upper

166 100

165 100.0 80.1 120.1

167 11.7 10.2 15.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.060 ng

RT: 15.598 min Scan# 2053

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:232 Resp: 10420

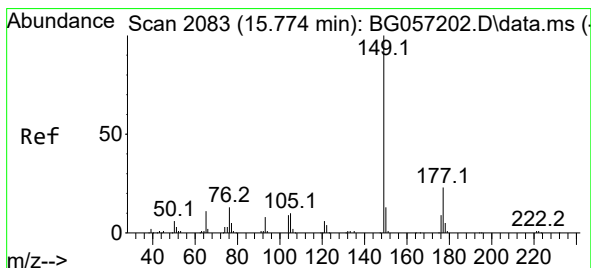
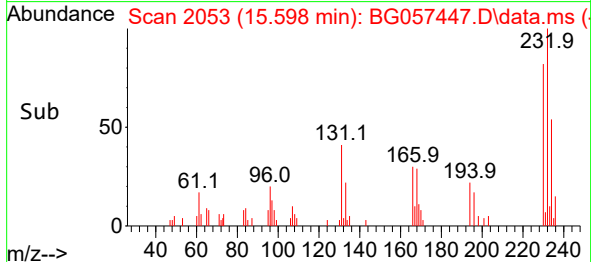
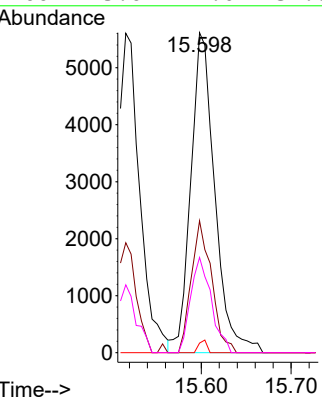
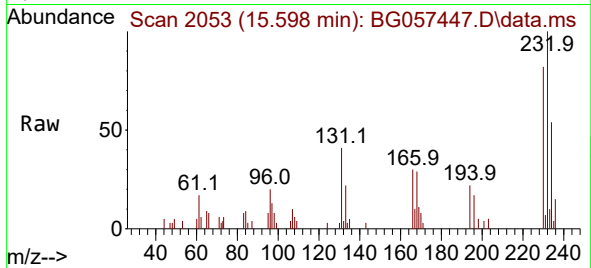
Ion Ratio Lower Upper

232 100

131 34.8 28.6 42.8

130 1.3 1.6 2.4#

166 25.6 21.0 31.6



#60

Diethylphthalate

Concen: 7.847 ng

RT: 15.757 min Scan# 2080

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

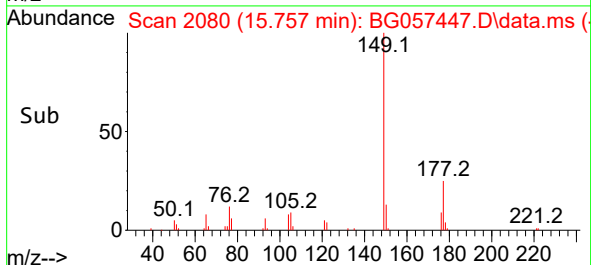
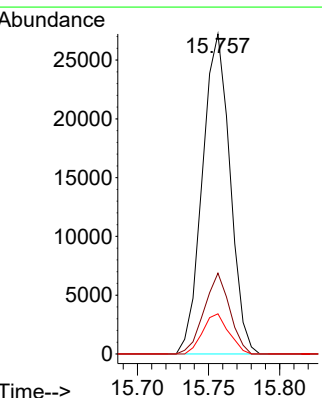
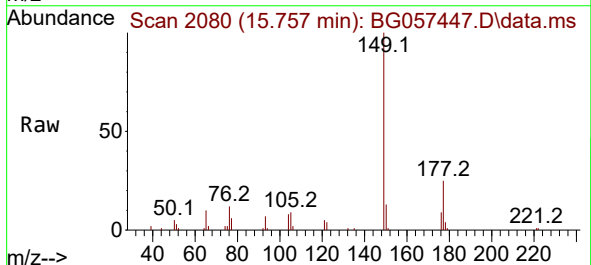
Tgt Ion:149 Resp: 36701

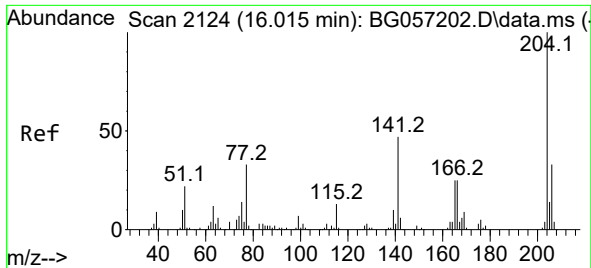
Ion Ratio Lower Upper

149 100

177 25.2 18.3 27.5

150 12.6 10.1 15.1

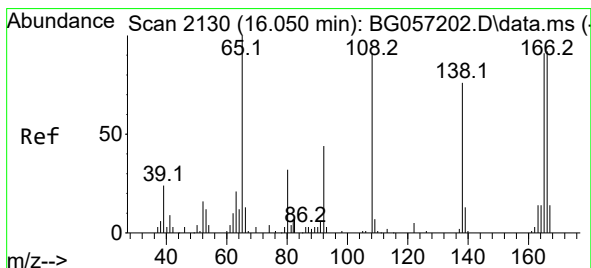
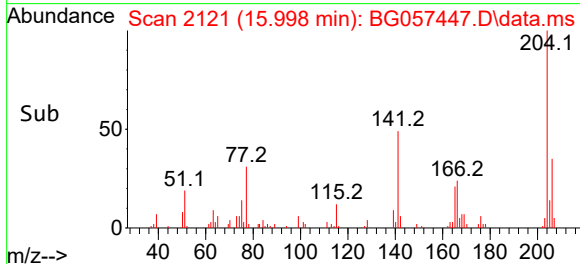
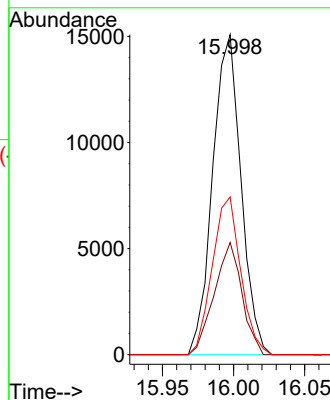
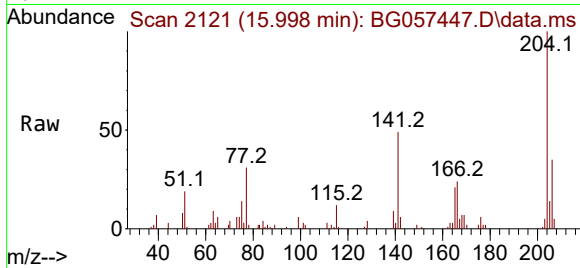




#61
4-Chlorophenyl-phenylether
Concen: 7.971 ng
RT: 15.998 min Scan# 2121
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

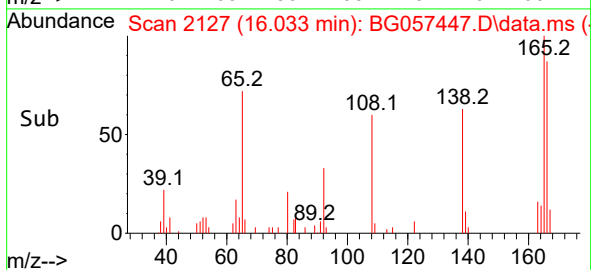
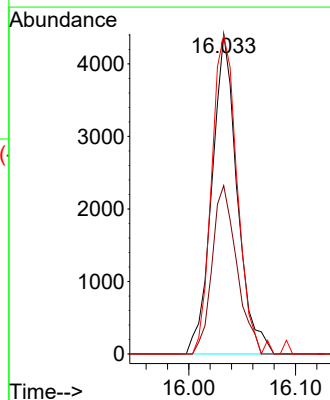
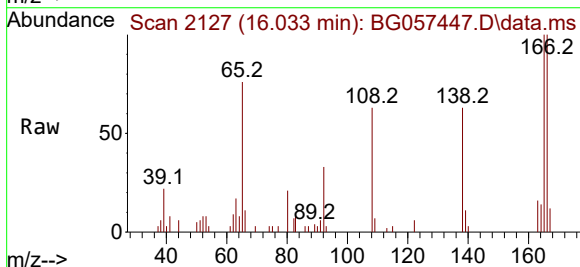
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

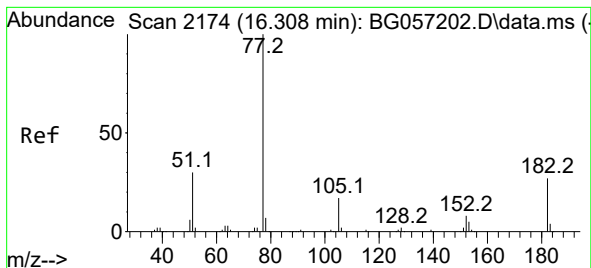
Tgt Ion:204 Resp: 20865
Ion Ratio Lower Upper
204 100
206 35.0 26.5 39.7
141 49.3 37.4 56.0



#62
4-Nitroaniline
Concen: 7.627 ng
RT: 16.033 min Scan# 2127
Delta R.T. -0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:138 Resp: 7249
Ion Ratio Lower Upper
138 100
92 52.6 38.2 78.2
108 99.5 99.6 139.6#





#63

Azobenzene

Concen: 7.563 ng

RT: 16.291 min Scan# 2174

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion: 77 Resp: 34133

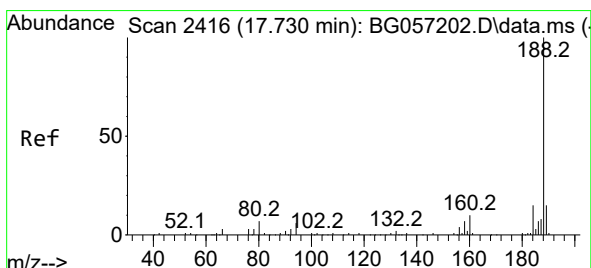
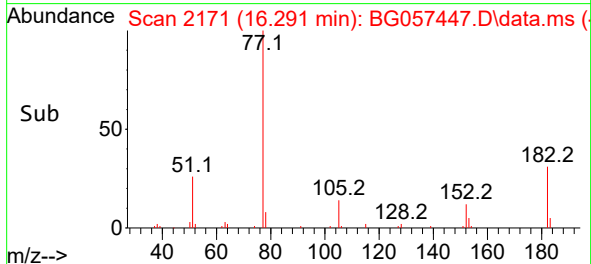
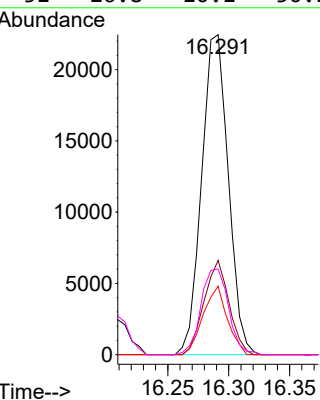
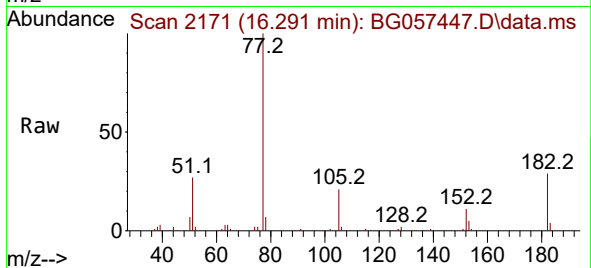
Ion Ratio Lower Upper

77 100

182 29.4 7.4 47.4

105 21.4 0.0 37.2

51 26.8 10.1 50.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.719 min Scan# 2414

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

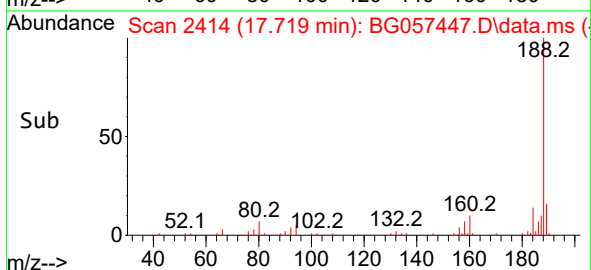
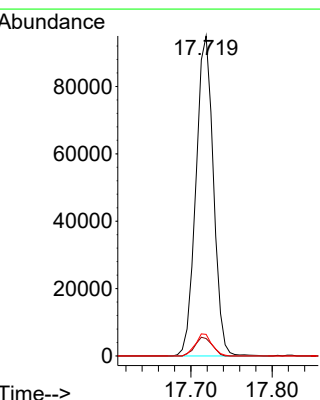
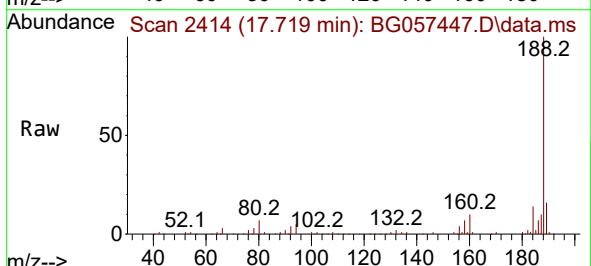
Tgt Ion: 188 Resp: 141481

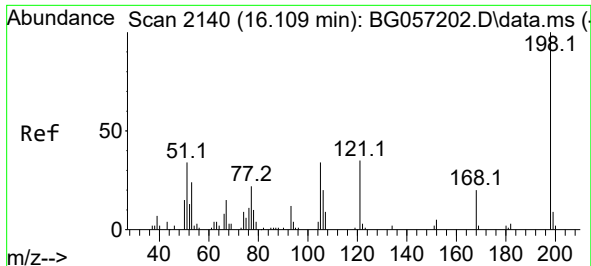
Ion Ratio Lower Upper

188 100

94 5.5 5.1 7.7

80 6.8 5.7 8.5

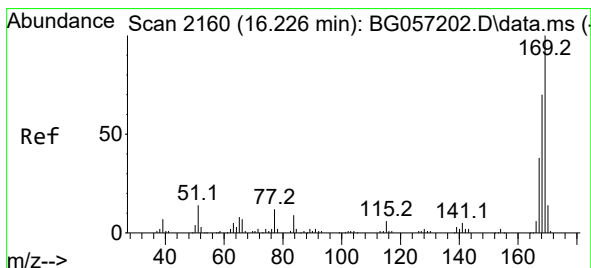
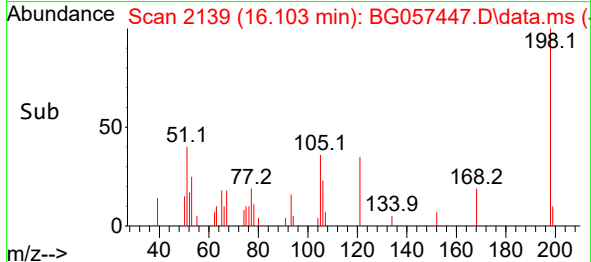
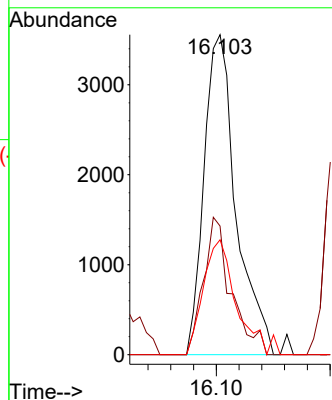
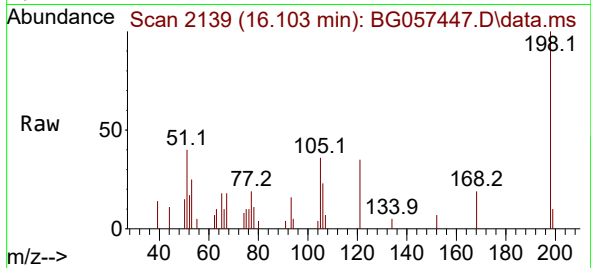




#65
4,6-Dinitro-2-methylphenol
Concen: 8.220 ng
RT: 16.103 min Scan# 2140
Delta R.T. 0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

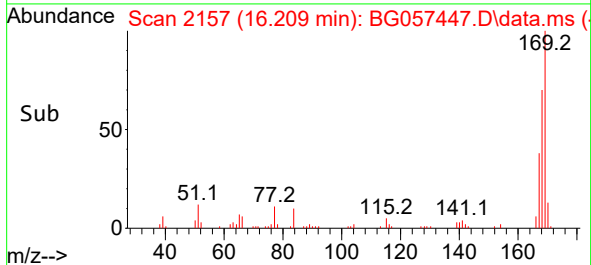
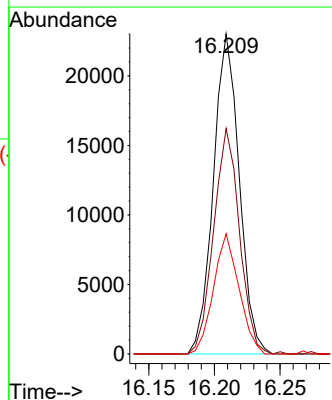
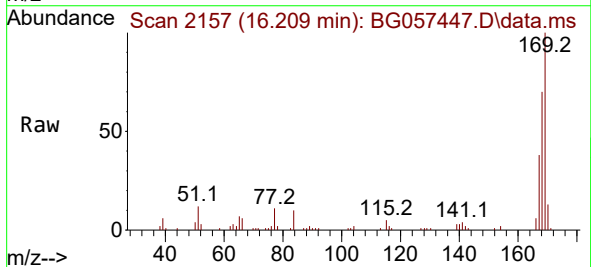
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:198 Resp: 6943
Ion Ratio Lower Upper
198 100
51 40.2 16.1 56.1
105 35.9 14.0 54.0



#66
n-Nitrosodiphenylamine
Concen: 8.211 ng
RT: 16.209 min Scan# 2157
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:169 Resp: 31552
Ion Ratio Lower Upper
169 100
168 70.5 56.2 84.4
167 37.6 30.2 45.4

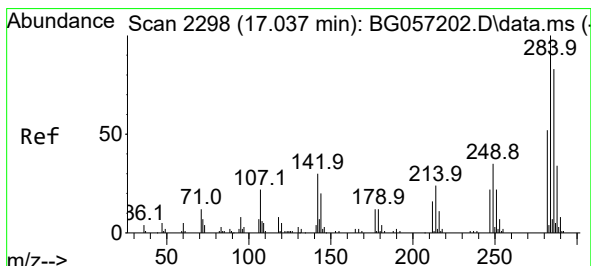
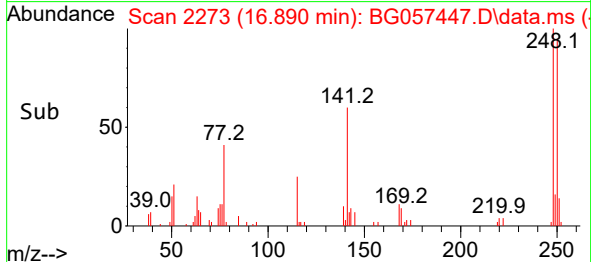
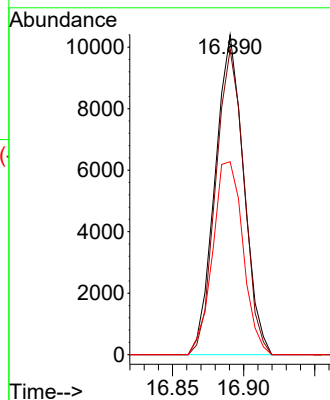
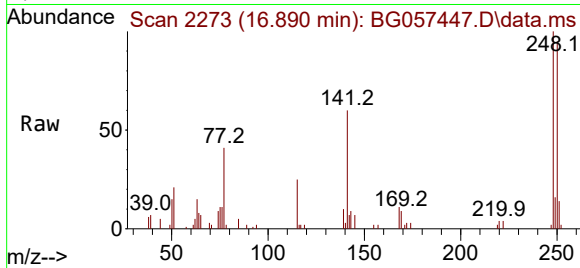




#67
4-Bromophenyl-phenylether
Concen: 8.426 ng
RT: 16.890 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

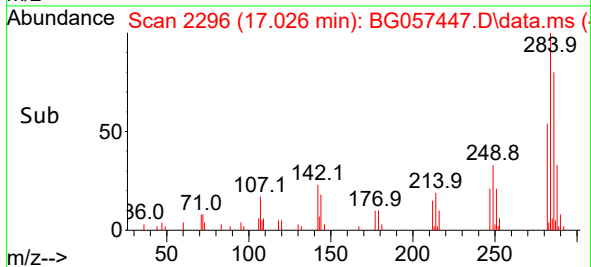
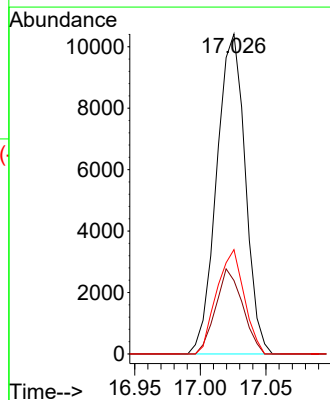
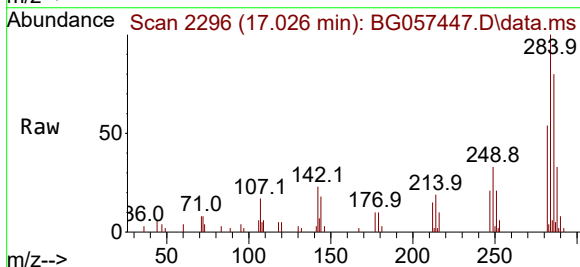
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

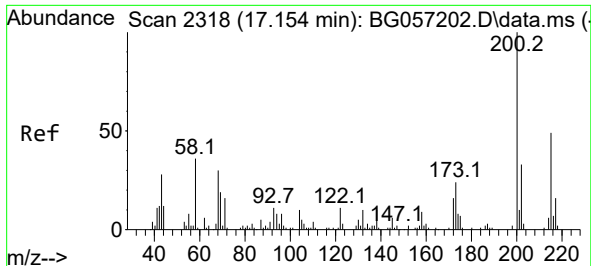
Tgt Ion:248 Resp: 14553
Ion Ratio Lower Upper
248 100
250 95.3 77.0 115.6
141 60.3 48.6 72.8



#68
Hexachlorobenzene
Concen: 9.383 ng
RT: 17.026 min Scan# 2296
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:284 Resp: 15749
Ion Ratio Lower Upper
284 100
142 22.9 23.9 35.9#
249 32.6 27.7 41.5

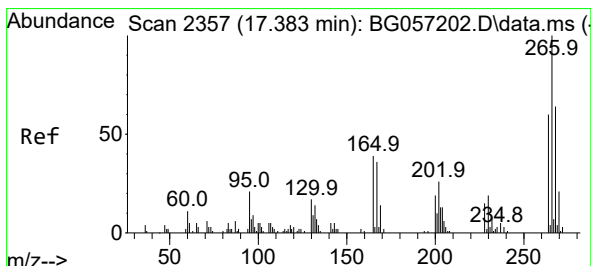
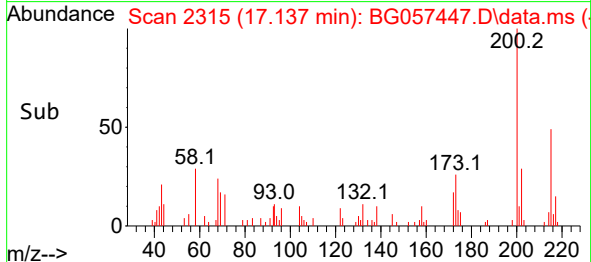
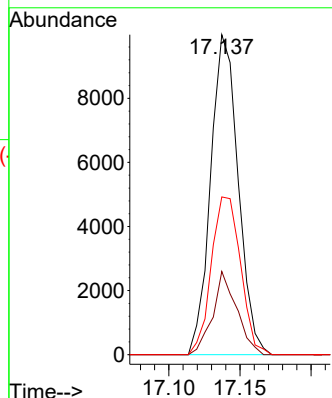
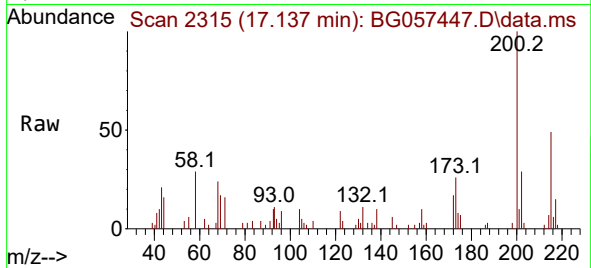




#69
 Atrazine
 Concen: 9.180 ng
 RT: 17.137 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG057447.D
 Acq: 17 May 2023 15:46

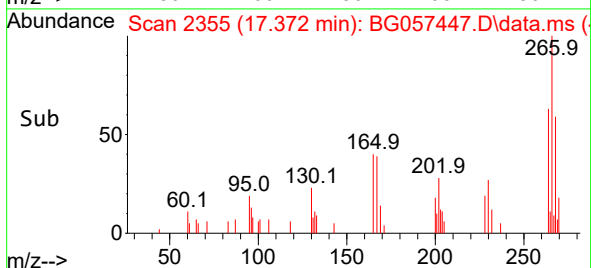
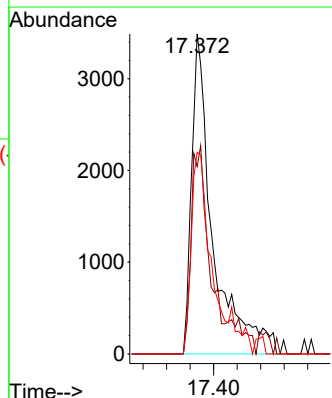
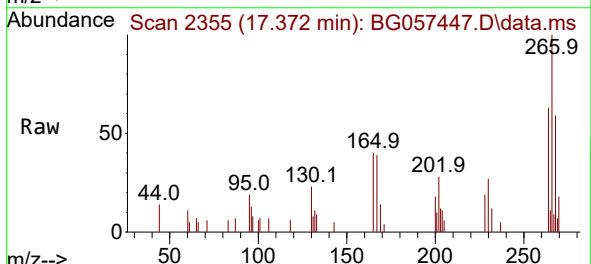
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

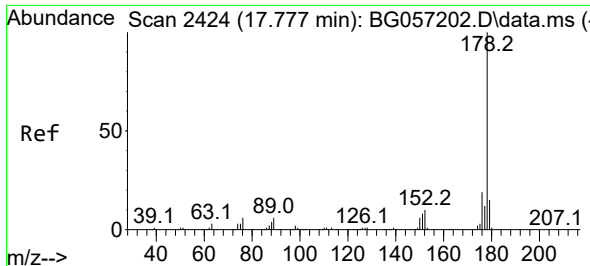
Tgt Ion:200 Resp: 13457
 Ion Ratio Lower Upper
 200 100
 173 26.0 4.3 44.3
 215 49.3 29.3 69.3



#70
 Pentachlorophenol
 Concen: 9.035 ng
 RT: 17.372 min Scan# 2355
 Delta R.T. -0.003 min
 Lab File: BG057447.D
 Acq: 17 May 2023 15:46

Tgt Ion:266 Resp: 8739
 Ion Ratio Lower Upper
 266 100
 268 58.6 51.0 76.6
 264 62.9 47.8 71.6

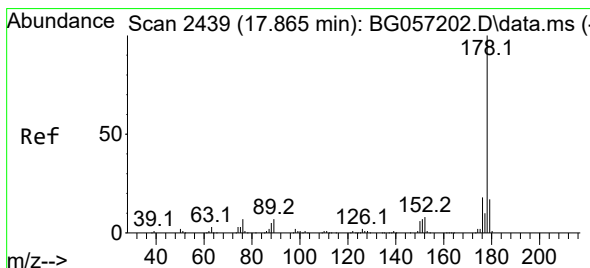
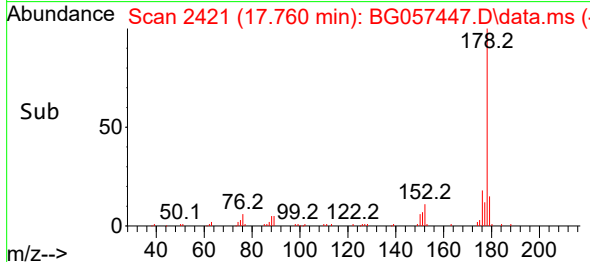
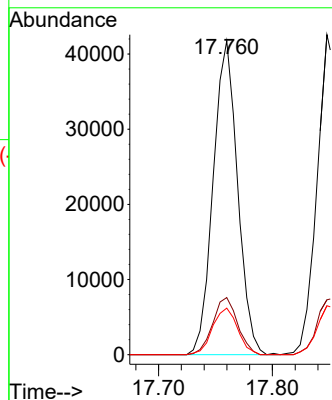
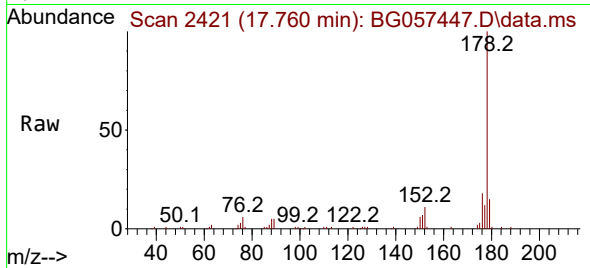




#71
Phenanthrene
Concen: 8.574 ng
RT: 17.760 min Scan# 2424
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

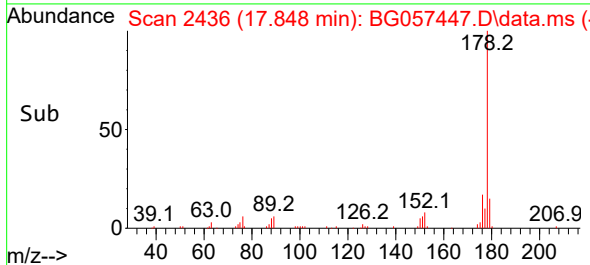
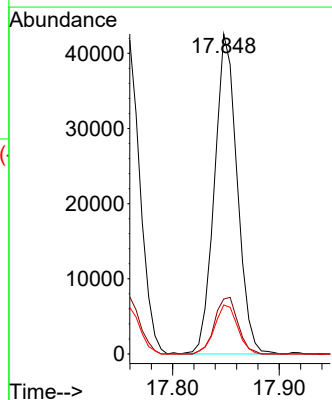
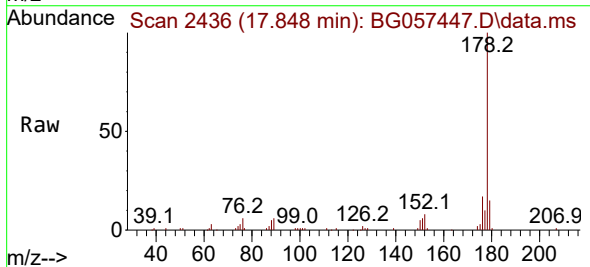
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

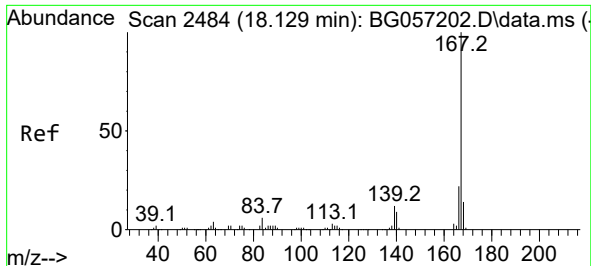
Tgt Ion:178 Resp: 62161
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 14.8 12.3 18.5



#72
Anthracene
Concen: 8.452 ng
RT: 17.848 min Scan# 2436
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:178 Resp: 62871
Ion Ratio Lower Upper
178 100
176 17.1 14.7 22.1
179 15.3 13.2 19.8

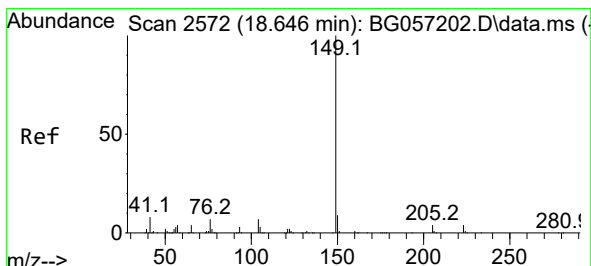
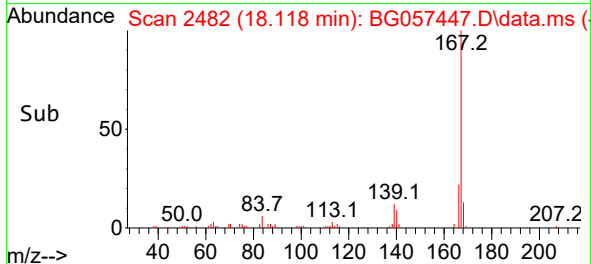
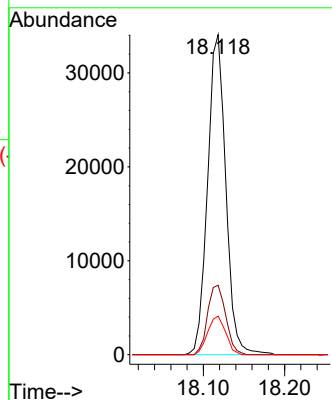
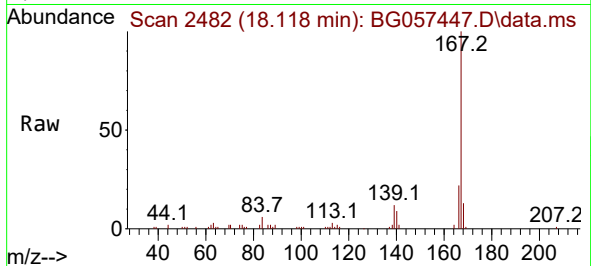




#73
Carbazole
Concen: 8.445 ng
RT: 18.118 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

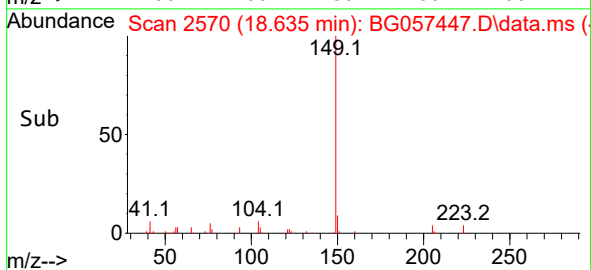
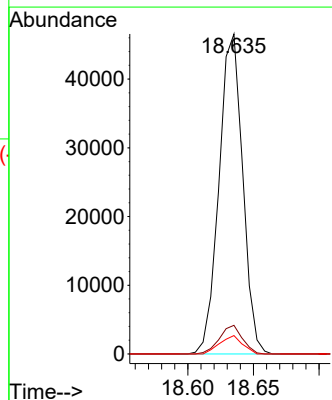
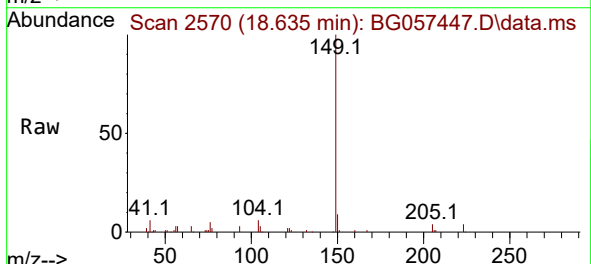
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

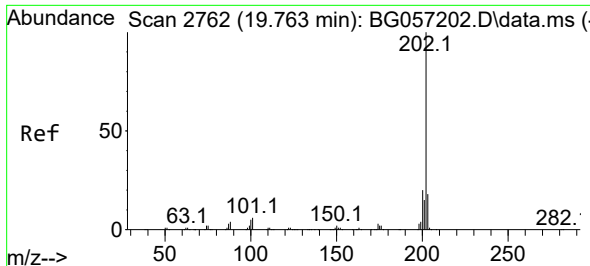
Tgt Ion:167 Resp: 52884
Ion Ratio Lower Upper
167 100
166 21.7 17.4 26.0
139 12.1 9.6 14.4



#74
Di-n-butylphthalate
Concen: 8.094 ng
RT: 18.635 min Scan# 2570
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:149 Resp: 58317
Ion Ratio Lower Upper
149 100
150 9.0 7.3 10.9
104 5.7 5.4 8.2

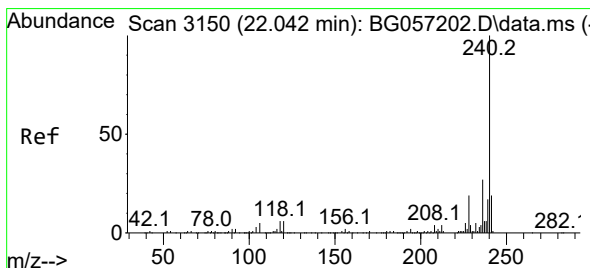
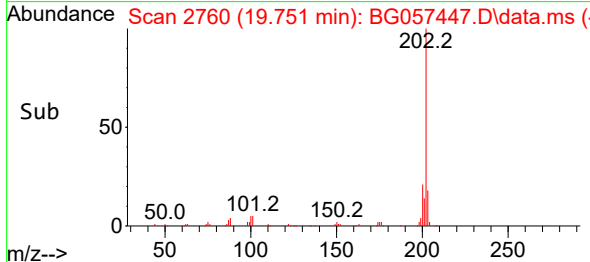
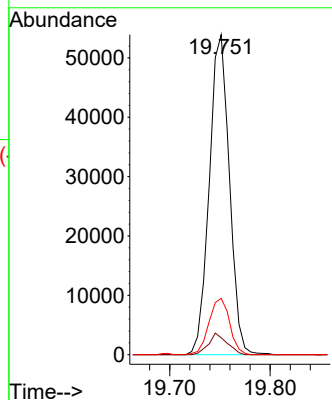
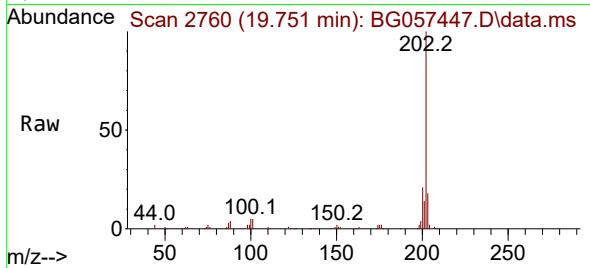




#75
Fluoranthene
Concen: 8.328 ng
RT: 19.751 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

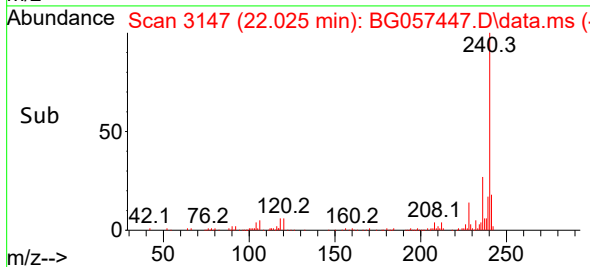
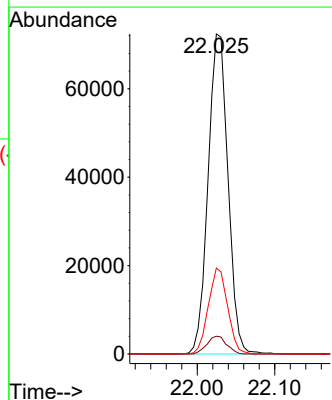
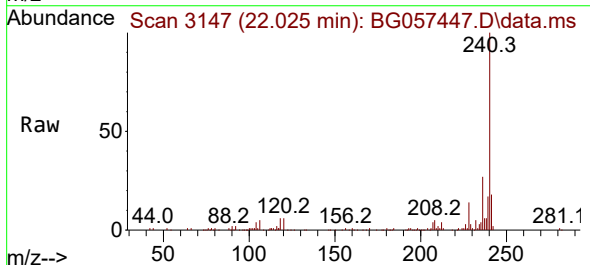
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

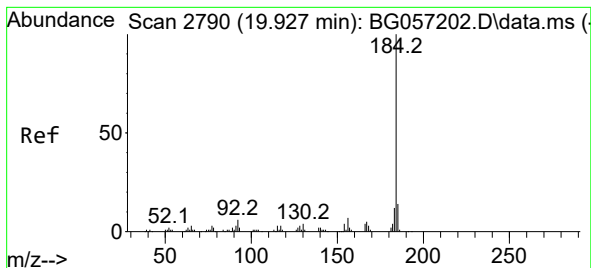
Tgt Ion:202 Resp: 75095
Ion Ratio Lower Upper
202 100
101 5.3 0.0 26.2
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.025 min Scan# 3147
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:240 Resp: 128876
Ion Ratio Lower Upper
240 100
120 5.6 4.9 7.3
236 26.8 21.4 32.2





#77

Benzidine

Concen: 12.178 ng

RT: 19.916 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

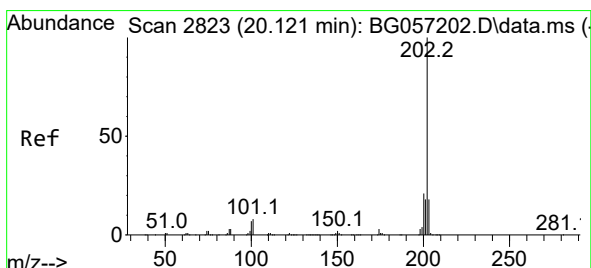
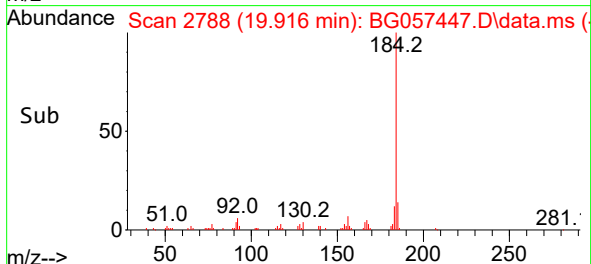
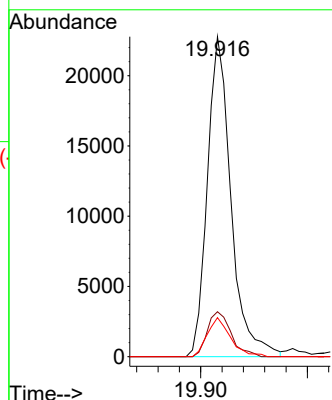
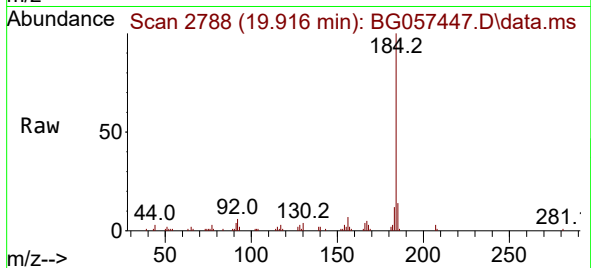
Tgt Ion:184 Resp: 35087

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

183 12.2 9.9 14.9



#78

Pyrene

Concen: 8.149 ng

RT: 20.110 min Scan# 2821

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

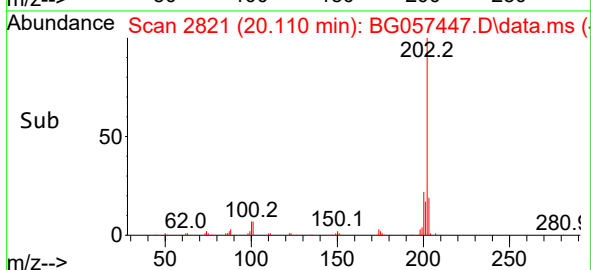
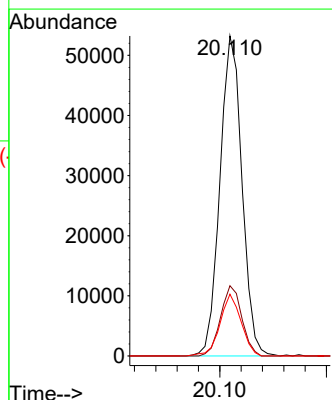
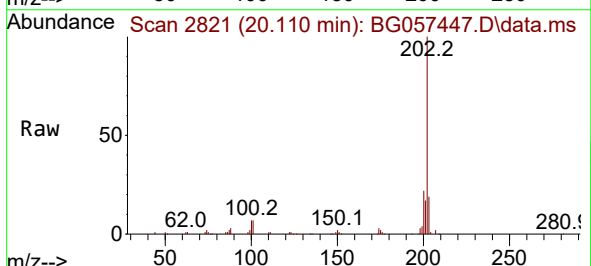
Tgt Ion:202 Resp: 76318

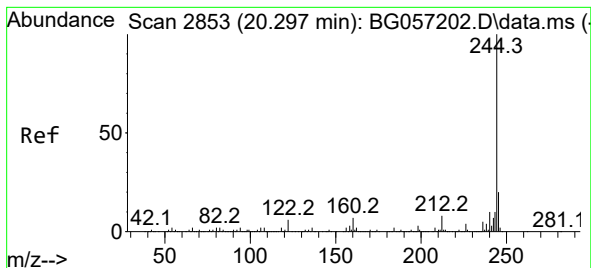
Ion Ratio Lower Upper

202 100

200 22.0 17.0 25.4

203 19.3 14.2 21.4





#79

Terphenyl-d14

Concen: 68.911 ng

RT: 20.286 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG057447.D

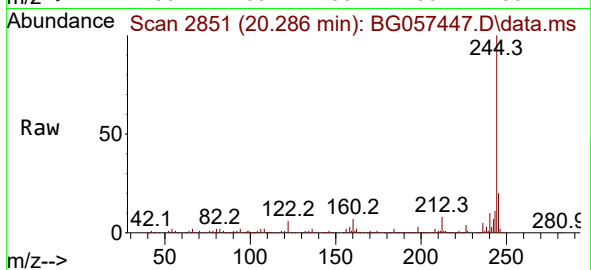
Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



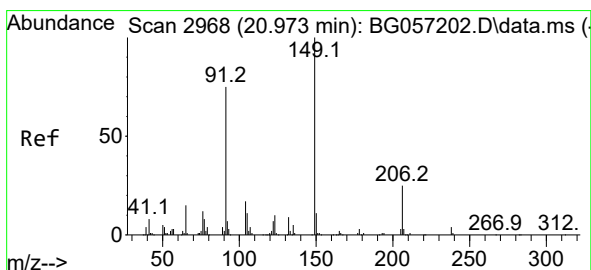
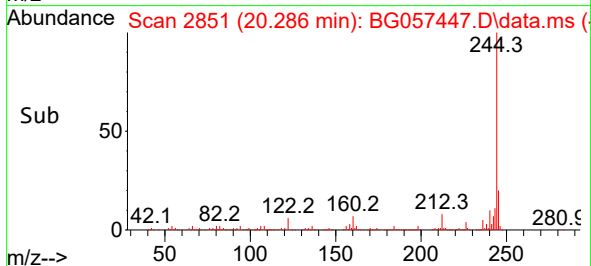
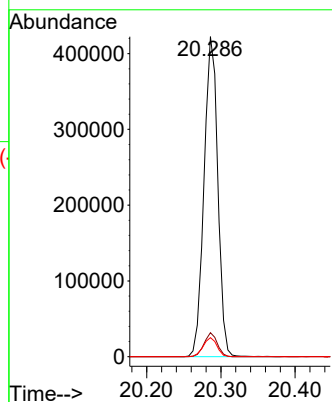
Tgt Ion:244 Resp: 544200

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 5.9 5.1 7.7



#80

Butylbenzylphthalate

Concen: 8.242 ng

RT: 20.961 min Scan# 2966

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

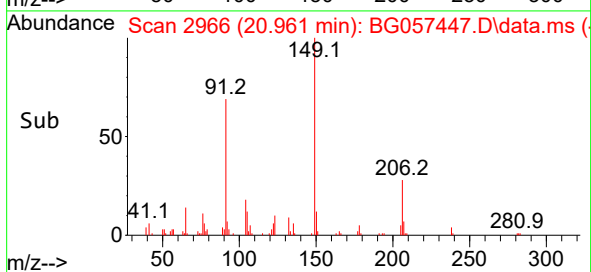
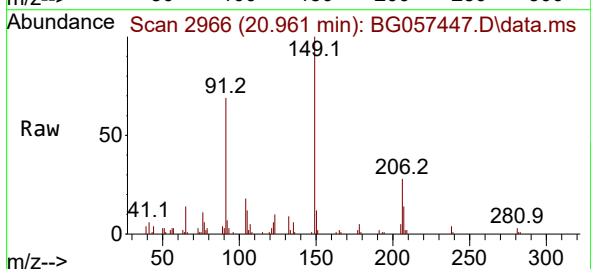
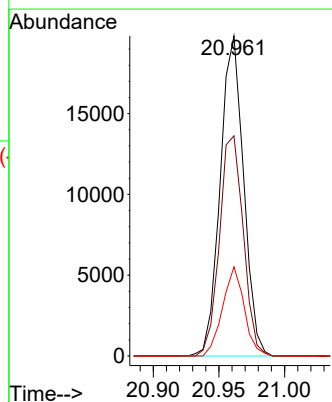
Tgt Ion:149 Resp: 24491

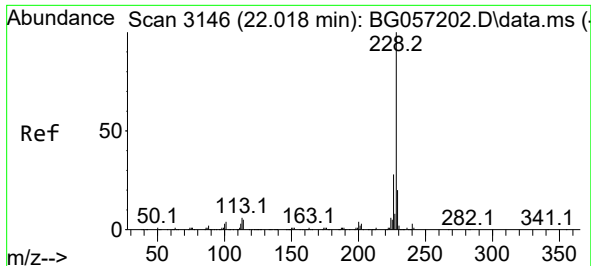
Ion Ratio Lower Upper

149 100

91 68.8 59.7 89.5

206 27.9 19.7 29.5

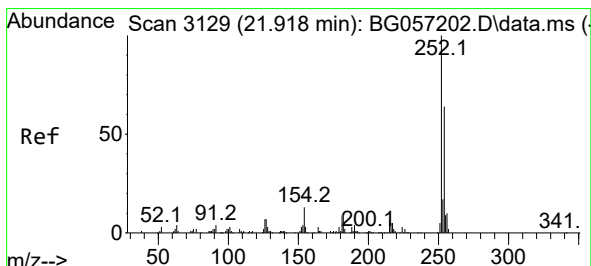
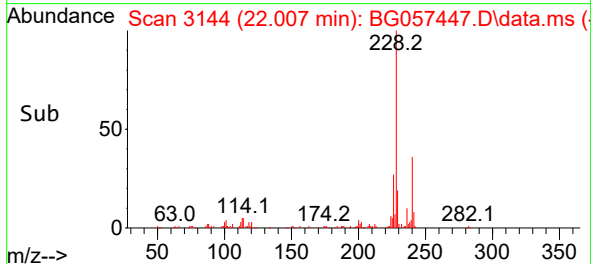
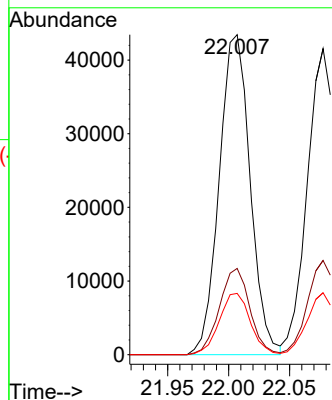
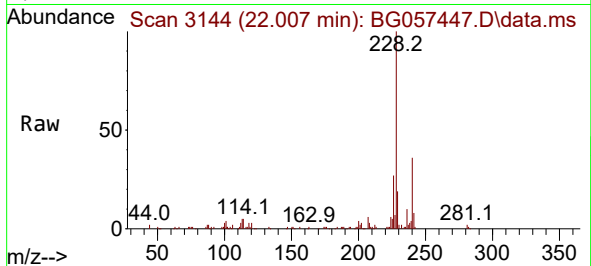




#81
Benzo(a)anthracene
Concen: 8.367 ng
RT: 22.007 min Scan# 3146
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

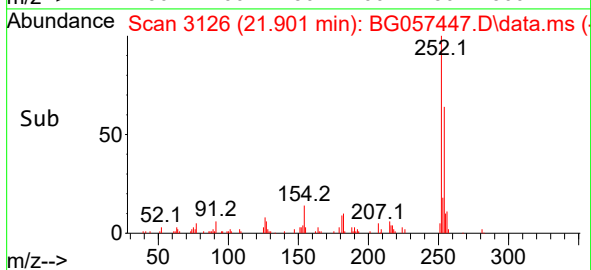
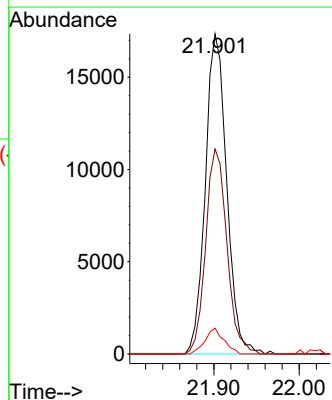
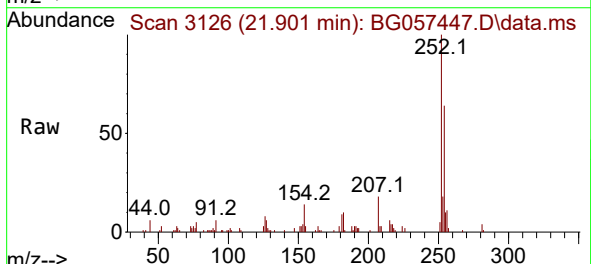
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

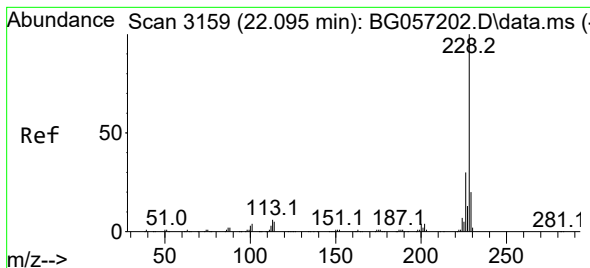
Tgt Ion:228 Resp: 76824
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 19.1 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 10.253 ng
RT: 21.901 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:252 Resp: 30155
Ion Ratio Lower Upper
252 100
254 64.1 51.4 77.0
126 8.1 5.9 8.9





#83

Chrysene

Concen: 8.250 ng

RT: 22.078 min Scan# 3117

Delta R.T. -0.003 min

Lab File: BG057447.D

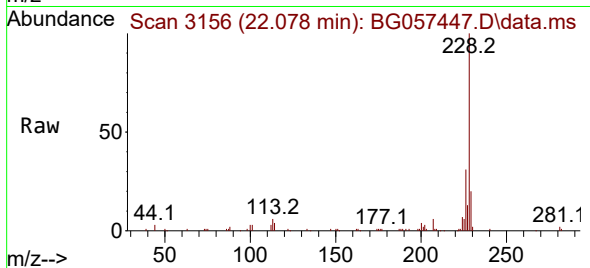
Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



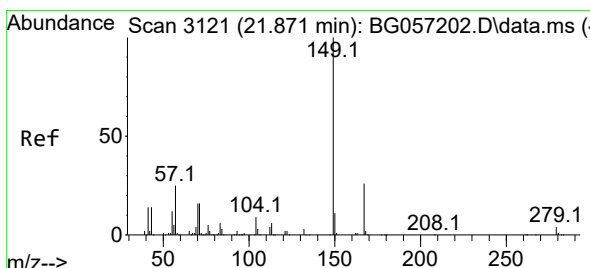
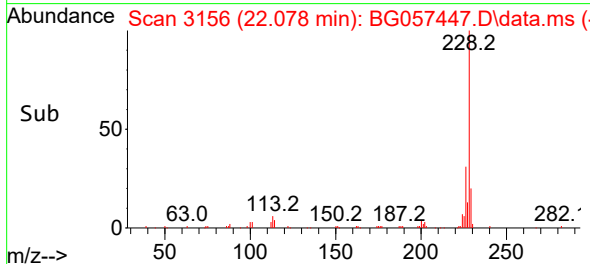
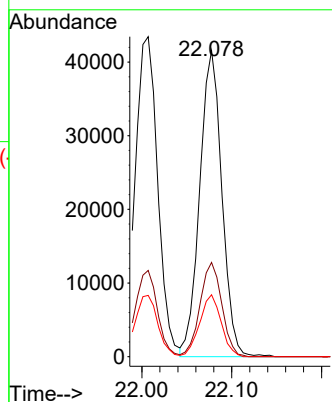
Tgt Ion:228 Resp: 71275

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

229 20.2 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.984 ng

RT: 21.848 min Scan# 3117

Delta R.T. -0.009 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

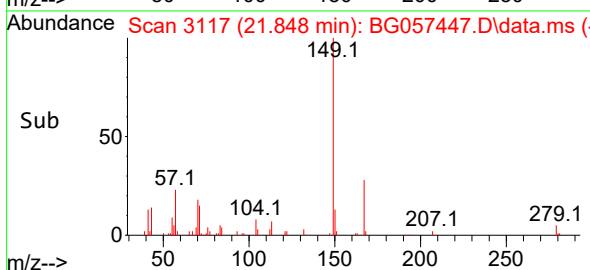
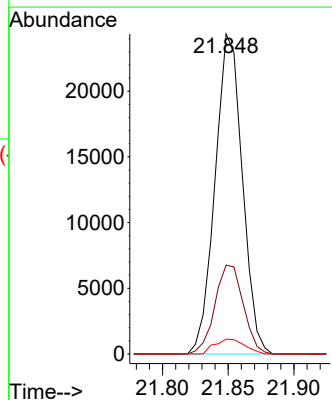
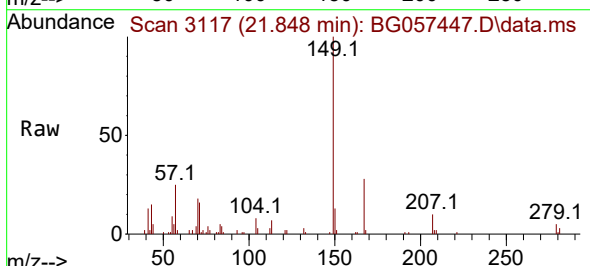
Tgt Ion:149 Resp: 35099

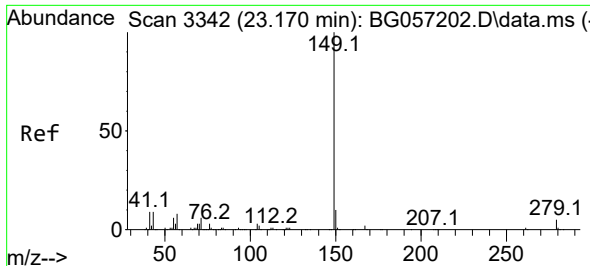
Ion Ratio Lower Upper

149 100

167 27.7 21.2 31.8

279 4.6 3.5 5.3

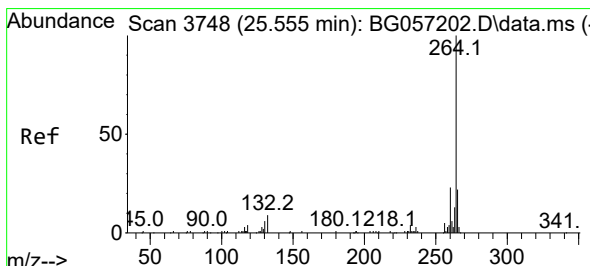
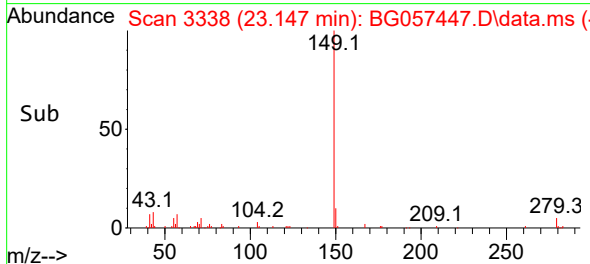
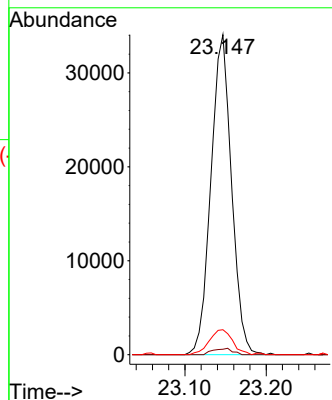
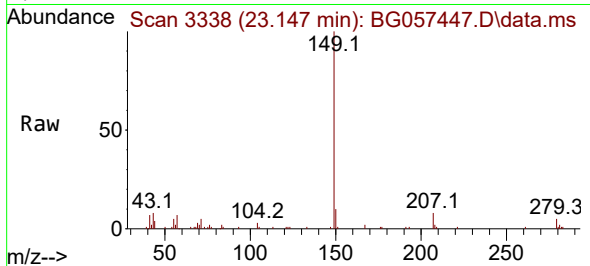




#85
Di-n-octyl phthalate
Concen: 8.190 ng
RT: 23.147 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

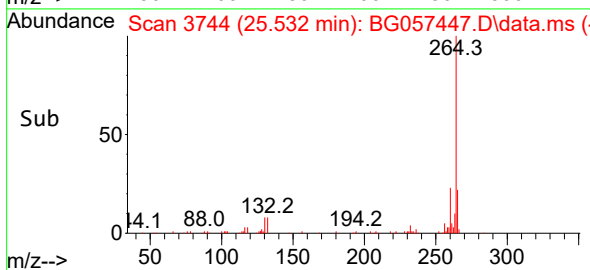
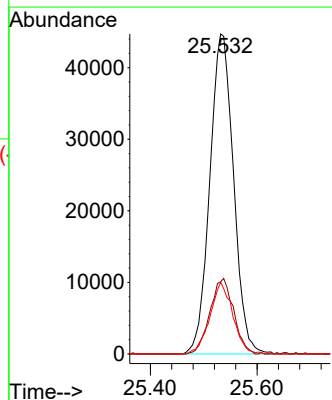
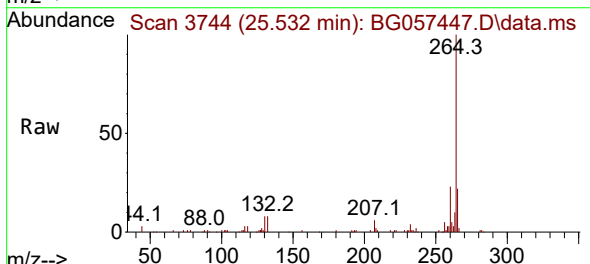
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

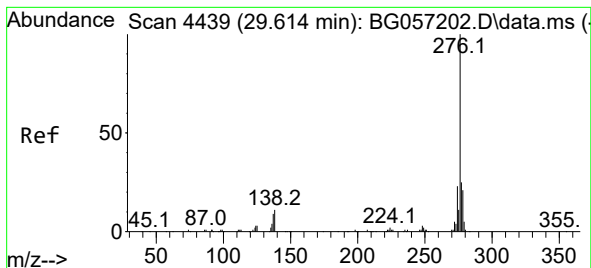
Tgt Ion:149 Resp: 60030
Ion Ratio Lower Upper
149 100
167 1.9 1.3 1.9
43 8.8 7.8 11.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.532 min Scan# 3744
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:264 Resp: 137939
Ion Ratio Lower Upper
264 100
260 22.5 18.8 28.2
265 22.5 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.310 ng

RT: 29.585 min Scan# 4434

Delta R.T. -0.014 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

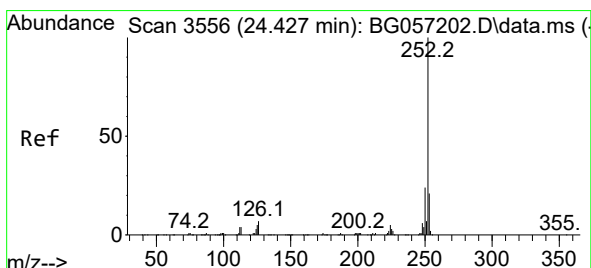
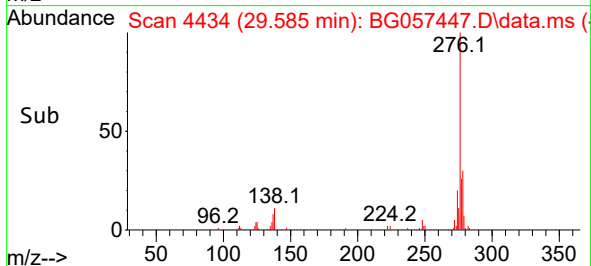
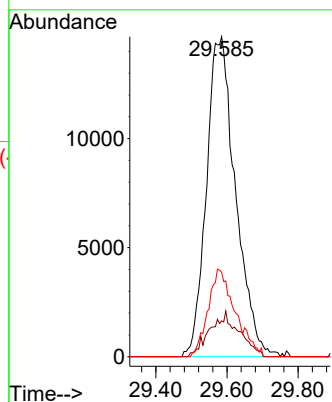
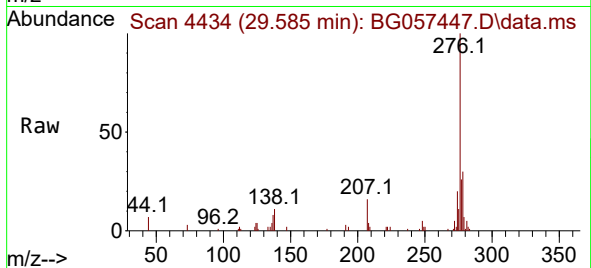
Tgt Ion:276 Resp: 83537

Ion Ratio Lower Upper

276 100

138 0.0 5.4 8.0#

277 25.6 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 8.369 ng

RT: 24.404 min Scan# 3552

Delta R.T. -0.009 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

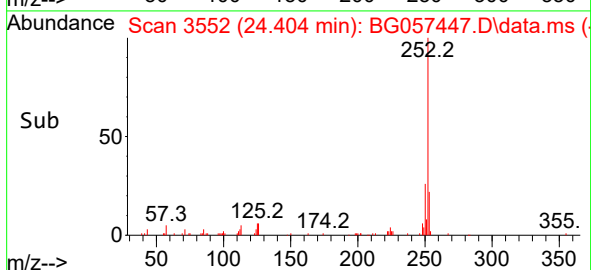
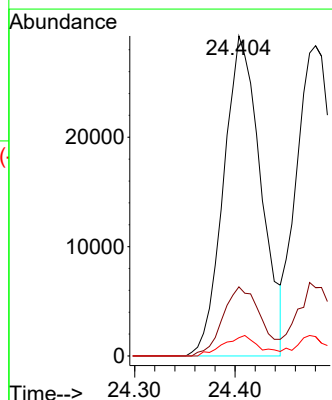
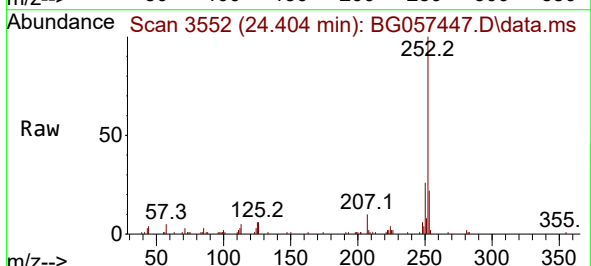
Tgt Ion:252 Resp: 75463

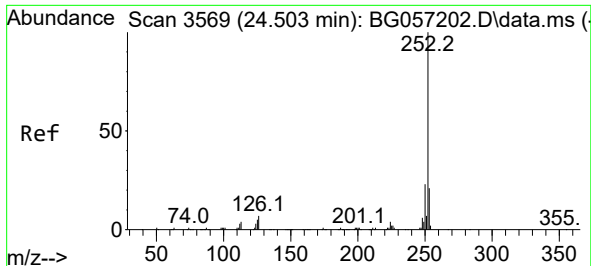
Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

125 5.7 4.2 6.2

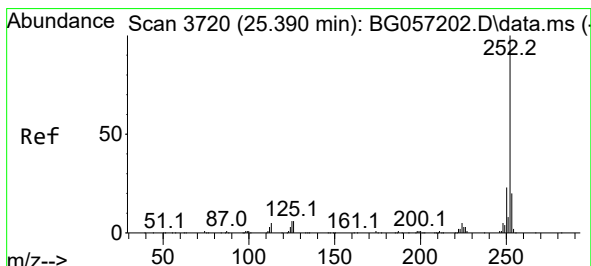
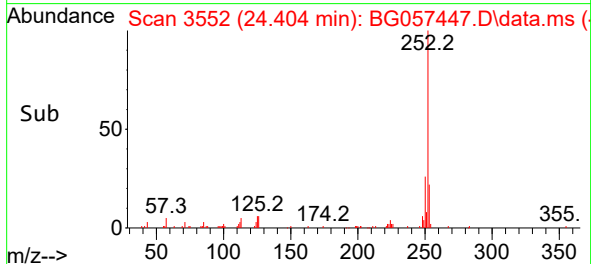
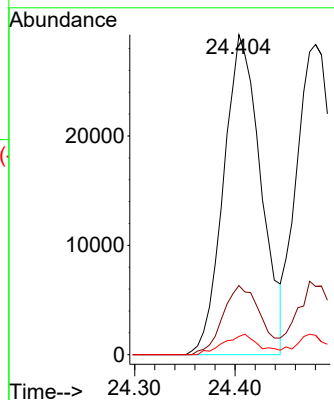
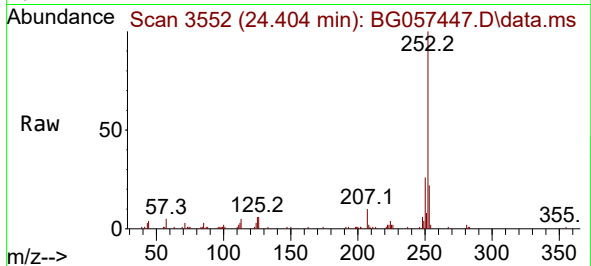




#89
Benzo(k)fluoranthene
Concen: 8.236 ng
RT: 24.404 min Scan# 31
Delta R.T. -0.085 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

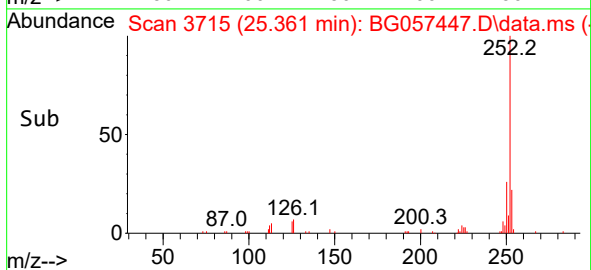
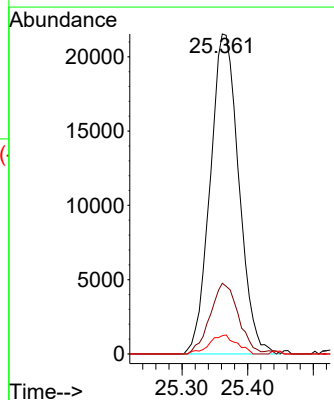
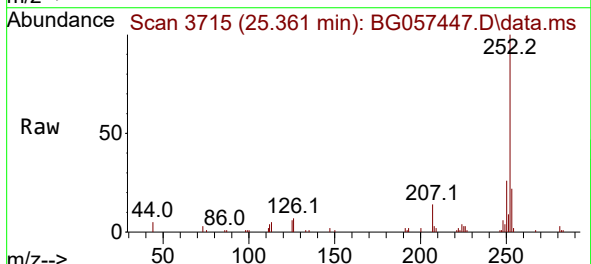
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

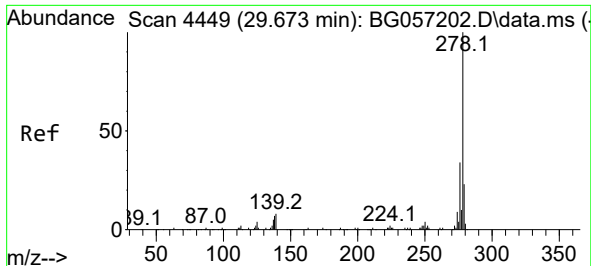
Tgt Ion:252 Resp: 75463
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 5.7 4.1 6.1



#90
Benzo(a)pyrene
Concen: 7.401 ng
RT: 25.361 min Scan# 3715
Delta R.T. -0.014 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:252 Resp: 65200
Ion Ratio Lower Upper
252 100
253 22.1 16.3 24.5
125 5.7 5.0 7.4

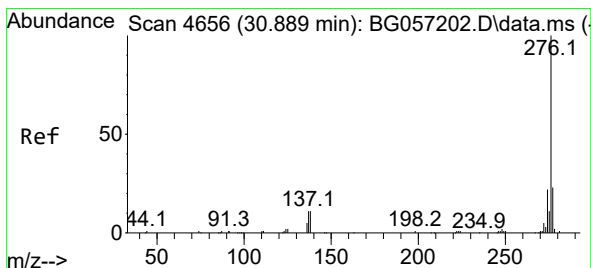
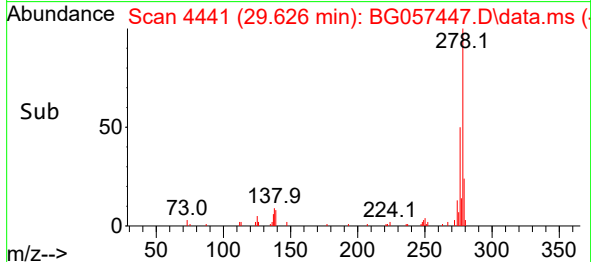
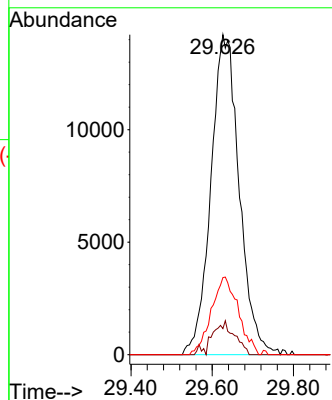
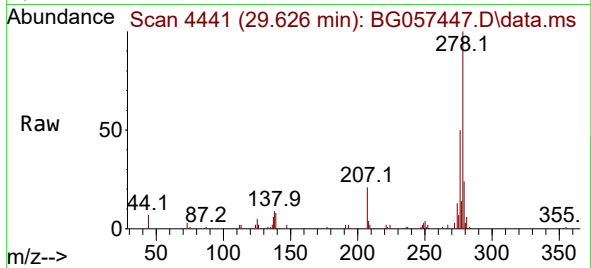




#91
Dibenzo(a,h)anthracene
Concen: 8.228 ng
RT: 29.626 min Scan# 4441
Delta R.T. -0.026 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:278 Resp: 68888
Ion Ratio Lower Upper
278 100
139 8.1 6.2 9.2
279 24.1 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 8.201 ng
RT: 30.854 min Scan# 4650
Delta R.T. -0.020 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:276 Resp: 67040
Ion Ratio Lower Upper
276 100
277 25.1 18.4 27.6
138 9.1 9.0 13.4

