

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057448.D
 Acq On : 17 May 2023 17:25
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 18 01:58:12 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	8.355	152	16904	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	69348	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	57083	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	144166	20.000	ng	0.00
76) Chrysene-d12	22.025	240	135712	20.000	ng	0.00
86) Perylene-d12	25.526	264	148221	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.870	112	82728	83.717	ng	0.00
7) Phenol-d6	7.497	99	125765	83.810	ng	0.00
23) Nitrobenzene-d5	9.536	82	92622	56.057	ng	0.00
42) 2,4,6-Tribromophenol	16.462	330	72174	89.109	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	254759	60.107	ng	0.00
79) Terphenyl-d14	20.286	244	471939	56.750	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.673	88	3035	7.428	ng	# 91
3) Pyridine	4.108	79	7407	5.641	ng	95
4) n-Nitrosodimethylamine	4.008	42	3563	5.774	ng	94
6) Aniline	7.668	93	13388	7.033	ng	96
8) 2-Chlorophenol	7.920	128	8231	7.883	ng	96
9) Benzaldehyde	7.486	77	12723	10.911	ng	100
10) Phenol	7.527	94	10518	7.190	ng	96
11) bis(2-Chloroethyl)ether	7.756	93	7512	6.810	ng	95
12) 1,3-Dichlorobenzene	8.243	146	8775	7.614	ng	93
13) 1,4-Dichlorobenzene	8.396	146	8767	7.573	ng	96
14) 1,2-Dichlorobenzene	8.719	146	8965	8.022	ng	98
15) Benzyl Alcohol	8.590	79	7714	6.171	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.878	45	9111	6.553	ng	98
17) 2-Methylphenol	8.796	107	7222	6.849	ng	89
18) Hexachloroethane	9.454	117	3199	7.658	ng	100
19) n-Nitroso-di-n-propyla...	9.154	70	7295	6.375	ng	# 97
20) 3+4-Methylphenols	9.130	107	10093	6.990	ng	95
22) Acetophenone	9.189	105	14051	7.079	ng	# 92
24) Nitrobenzene	9.583	77	11277	6.762	ng	95
25) Isophorone	10.094	82	20545	6.412	ng	99
26) 2-Nitrophenol	10.299	139	4670	7.316	ng	# 87
27) 2,4-Dimethylphenol	10.341	122	8272	7.400	ng	100
28) bis(2-Chloroethoxy)met...	10.576	93	11278	7.026	ng	99
29) 2,4-Dichlorophenol	10.846	162	8821	7.441	ng	97
30) 1,2,4-Trichlorobenzene	11.057	180	9955	7.280	ng	99
31) Naphthalene	11.245	128	26616	7.179	ng	96
32) Benzoic acid	10.487	122	760	5.780	ng	# 67
33) 4-Chloroaniline	11.351	127	11623	6.981	ng	95
34) Hexachlorobutadiene	11.515	225	7621	7.511	ng	94
35) Caprolactam	12.097	113	2858	7.057	ng	# 85
36) 4-Chloro-3-methylphenol	12.449	107	9707	7.205	ng	99
37) 2-Methylnaphthalene	12.825	142	21020	7.211	ng	99
38) 1-Methylnaphthalene	12.825	142	21020	7.651	ng	99
40) 1,2,4,5-Tetrachloroben...	13.190	216	15265	7.533	ng	# 98
41) Hexachlorocyclopentadiene	13.166	237	1891	8.083	ng	94
43) 2,4,6-Trichlorophenol	13.425	196	8745	7.083	ng	94

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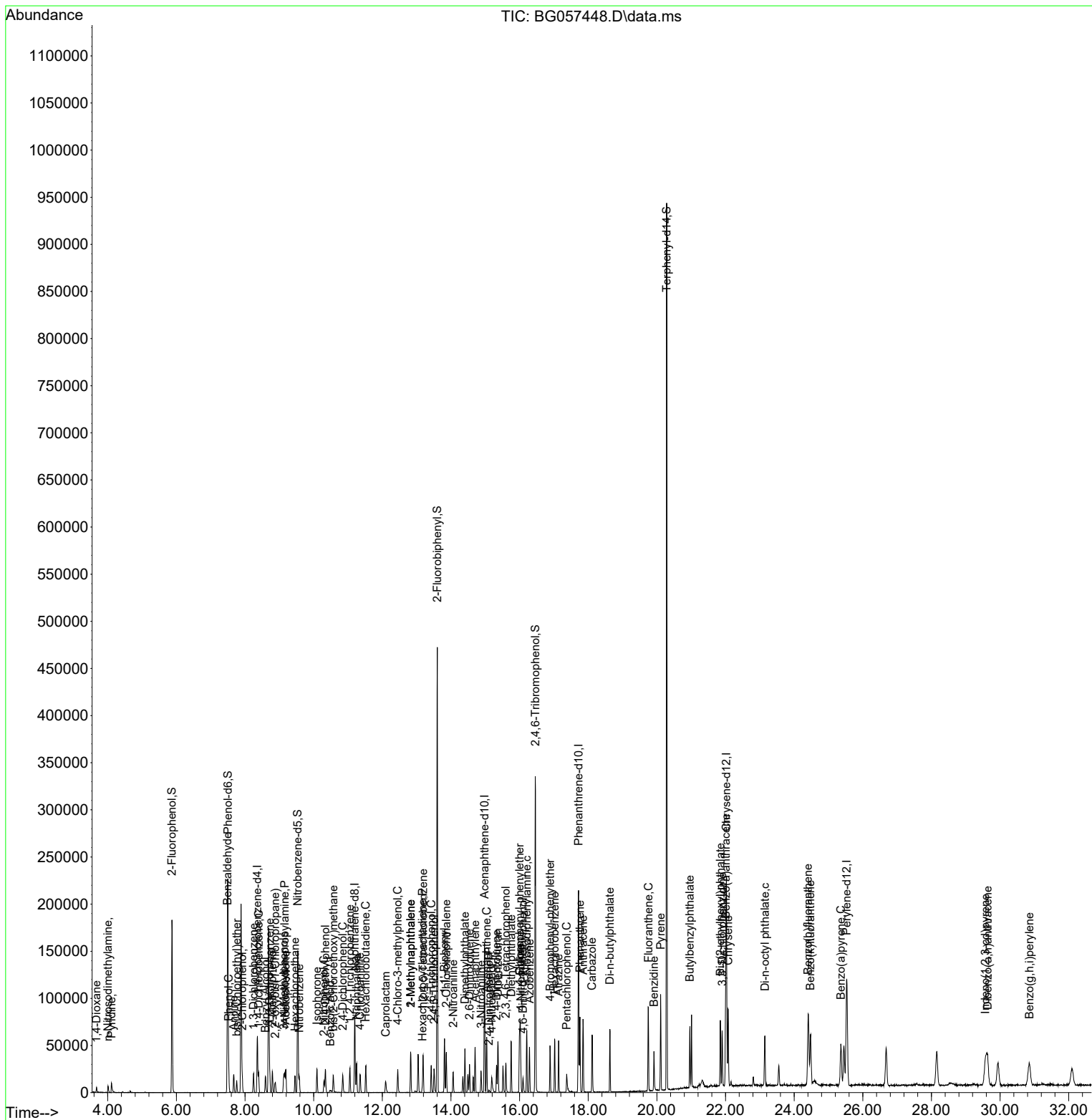
Quant Time: May 18 01:58:12 2023
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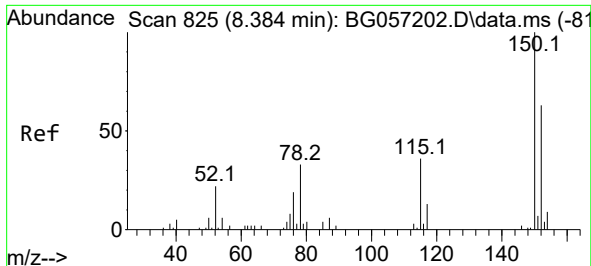
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.507	196	9204	6.338	ng	95
46) 1,1'-Biphenyl	13.812	154	31020	7.323	ng	99
47) 2-Chloronaphthalene	13.865	162	23300	7.397	ng	98
48) 2-Nitroaniline	14.065	65	6658	6.217	ng	91
49) Acenaphthylene	14.705	152	36755	7.183	ng	97
50) Dimethylphthalate	14.406	163	31384	6.691	ng	97
51) 2,6-Dinitrotoluene	14.541	165	6751	7.049	ng	90
52) Acenaphthene	15.040	154	22611	7.071	ng	92
53) 3-Nitroaniline	14.881	138	6180	6.441	ng	83
54) 2,4-Dinitrophenol	15.105	184	1412	7.151	ng	95
55) Dibenzofuran	15.369	168	38143	7.099	ng	98
56) 4-Nitrophenol	15.187	139	6077	9.523	ng #	77
57) 2,4-Dinitrotoluene	15.328	165	9774	7.141	ng #	95
58) Fluorene	16.015	166	32377	7.316	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.598	232	8936	6.787	ng #	96
60) Diethylphthalate	15.757	149	32425	6.807	ng	99
61) 4-Chlorophenyl-phenyle...	15.998	204	18780	7.044	ng	97
62) 4-Nitroaniline	16.033	138	6652	6.872	ng #	85
63) Azobenzene	16.291	77	29355	6.387	ng	95
65) 4,6-Dinitro-2-methylph...	16.097	198	6035	7.012	ng	89
66) n-Nitrosodiphenylamine	16.209	169	27144	6.932	ng	100
67) 4-Bromophenyl-phenylether	16.891	248	12133	6.894	ng	94
68) Hexachlorobenzene	17.020	284	13073	7.644	ng	96
69) Atrazine	17.137	200	11785	7.890	ng	95
70) Pentachlorophenol	17.372	266	6489	6.584	ng	94
71) Phenanthrene	17.760	178	53524	7.245	ng	99
72) Anthracene	17.848	178	54114	7.139	ng	98
73) Carbazole	18.112	167	46047	7.216	ng	99
74) Di-n-butylphthalate	18.629	149	50473	6.874	ng	98
75) Fluoranthene	19.751	202	63374	6.898	ng	98
77) Benzidine	19.916	184	29899	9.855	ng	96
78) Pyrene	20.110	202	66018	6.694	ng	98
80) Butylbenzylphthalate	20.961	149	21270	6.798	ng	92
81) Benzo(a)anthracene	22.007	228	65912	6.817	ng	97
82) 3,3'-Dichlorobenzidine	21.901	252	25663	8.286	ng	99
83) Chrysene	22.078	228	60946	6.699	ng	97
84) Bis(2-ethylhexyl)phtha...	21.849	149	30506	6.589	ng	95
85) Di-n-octyl phthalate	23.147	149	51186	6.632	ng	99
87) Indeno(1,2,3-cd)pyrene	29.567	276	70830	6.557	ng #	98
88) Benzo(b)fluoranthene	24.404	252	66636	6.877	ng	97
89) Benzo(k)fluoranthene	24.474	252	63777	6.478	ng	97
90) Benzo(a)pyrene	25.361	252	57811	6.107	ng	99
91) Dibenzo(a,h)anthracene	29.638	278	58876	6.544	ng #	93
92) Benzo(g,h,i)perylene	30.854	276	57775	6.577	ng #	97

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

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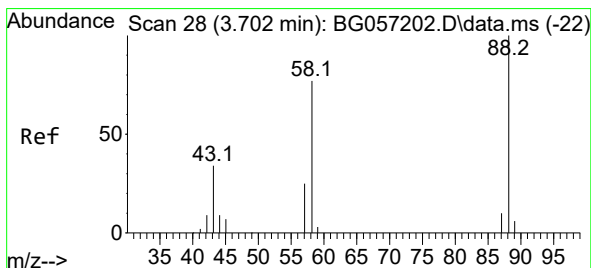
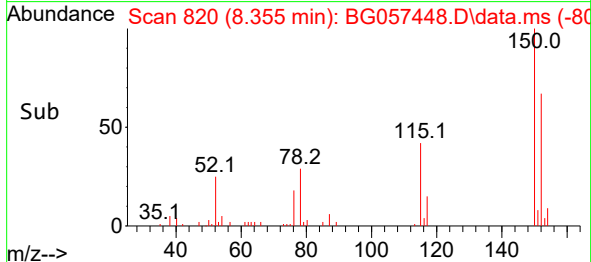
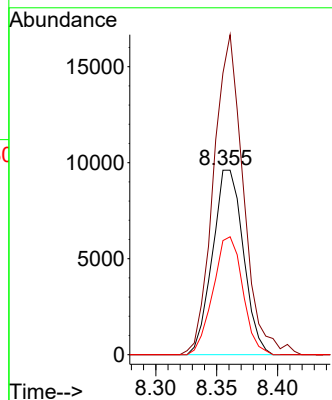
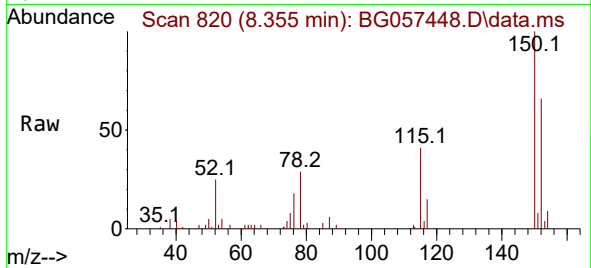




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

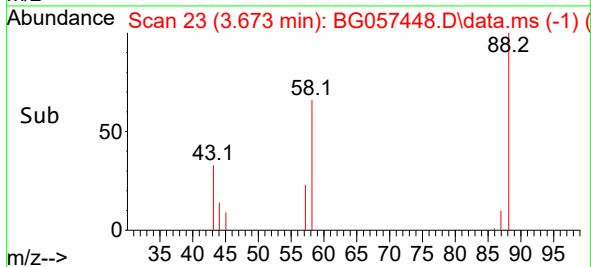
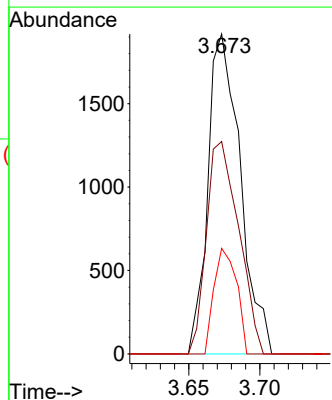
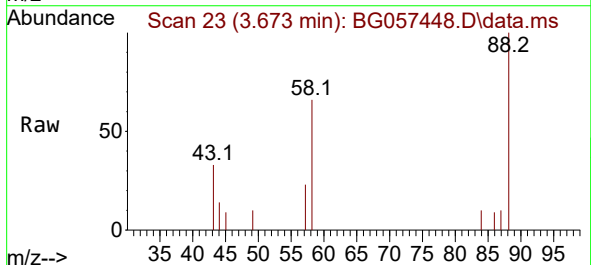
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:152 Resp: 16904
Ion Ratio Lower Upper
152 100
150 152.5 126.2 189.4
115 61.8 45.0 67.4



#2
1,4-Dioxane
Concen: 7.428 ng
RT: 3.673 min Scan# 23
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion: 88 Resp: 3035
Ion Ratio Lower Upper
88 100
58 66.3 57.1 85.7
43 22.9 24.4 36.6#

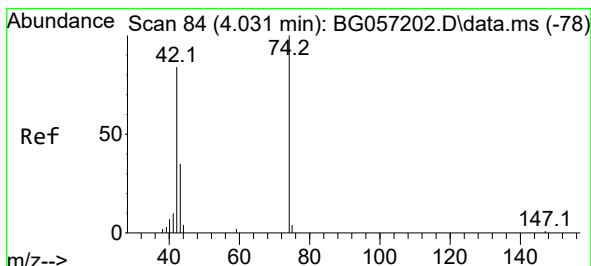
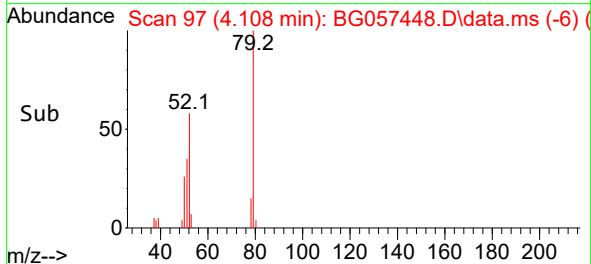
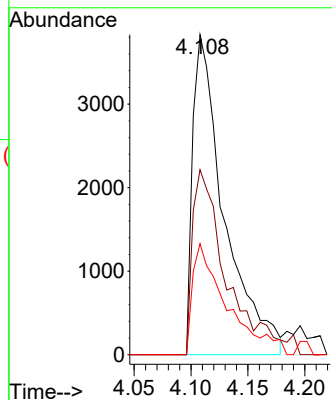
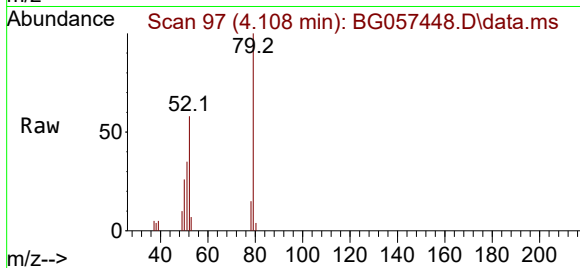




#3
Pyridine
Concen: 5.641 ng
RT: 4.108 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

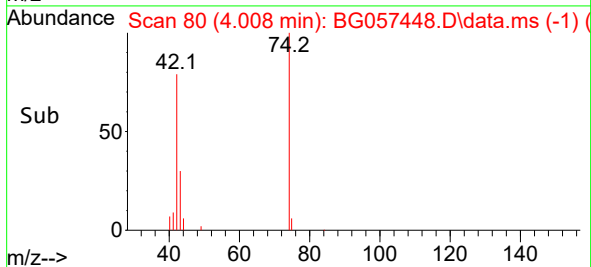
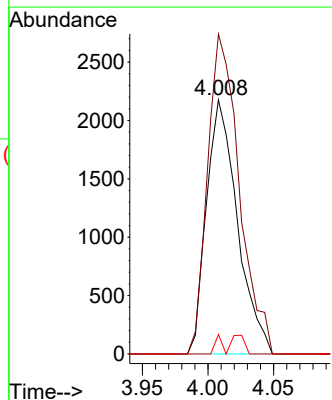
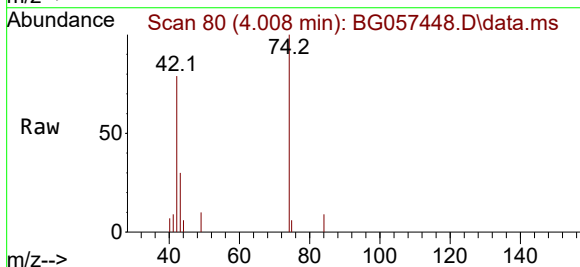
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 79 Resp: 7407
Ion Ratio Lower Upper
79 100
52 57.8 51.4 77.0
51 34.7 28.0 42.0



#4
n-Nitrosodimethylamine
Concen: 5.774 ng
RT: 4.008 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion: 42 Resp: 3563
Ion Ratio Lower Upper
42 100
74 125.9 95.1 142.7
44 7.7 5.8 8.8

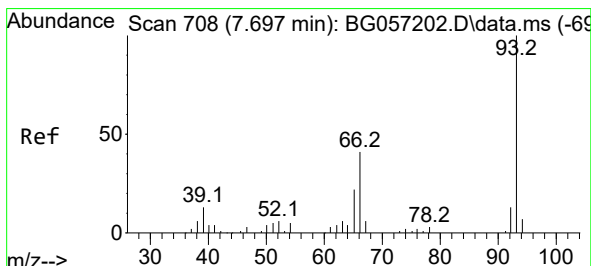
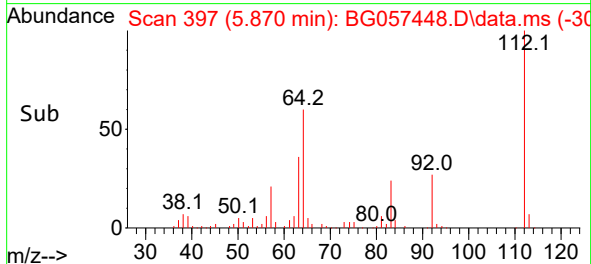
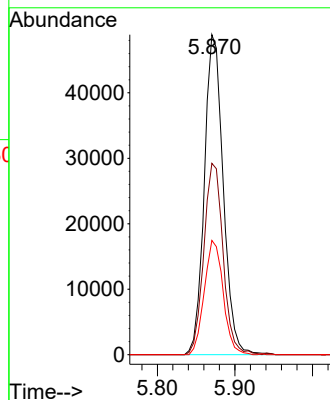
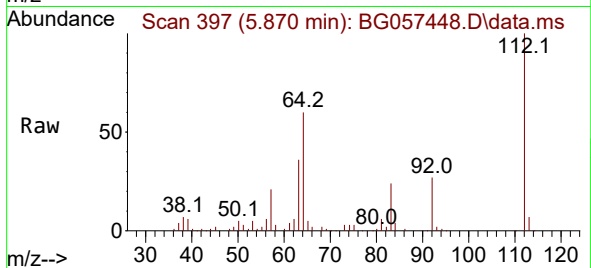




#5
2-Fluorophenol
Concen: 83.717 ng
RT: 5.870 min Scan# 397
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

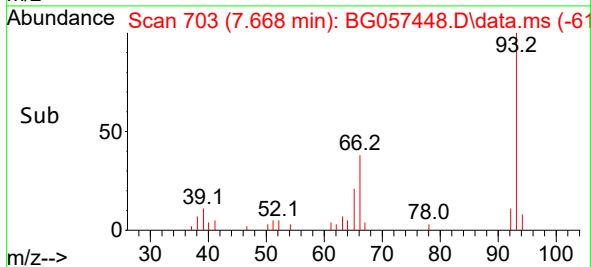
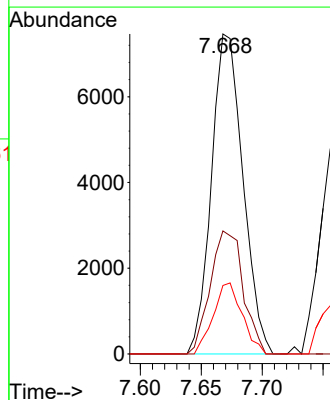
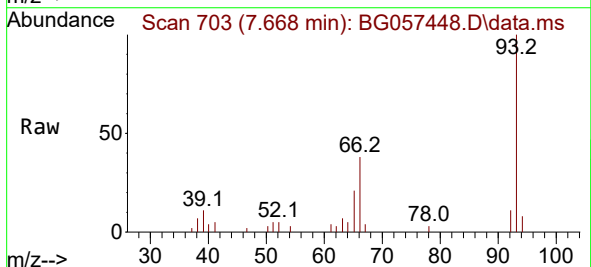
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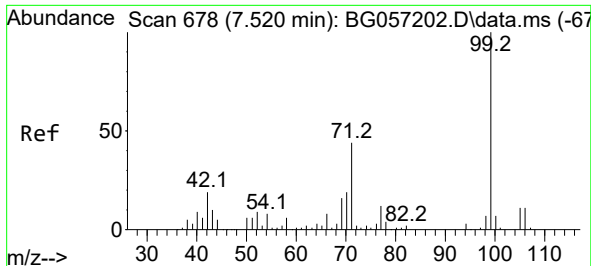
Tgt Ion:112 Resp: 82728
Ion Ratio Lower Upper
112 100
64 59.8 49.4 74.2
63 35.7 31.6 47.4



#6
Aniline
Concen: 7.033 ng
RT: 7.668 min Scan# 703
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion: 93 Resp: 13388
Ion Ratio Lower Upper
93 100
66 38.4 33.0 49.6
65 21.4 18.0 27.0

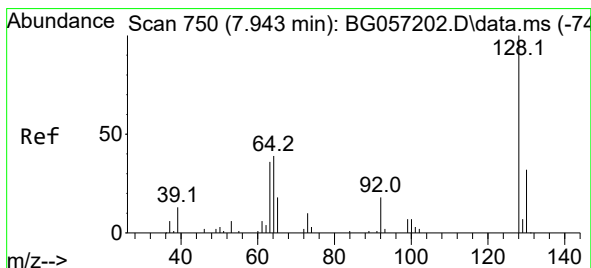
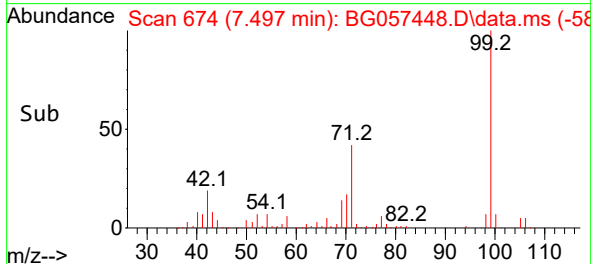
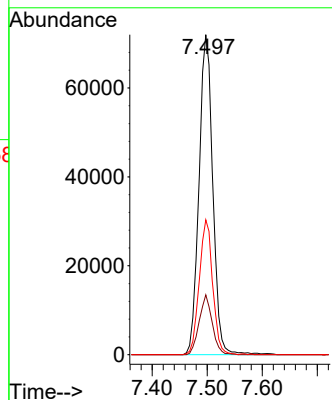
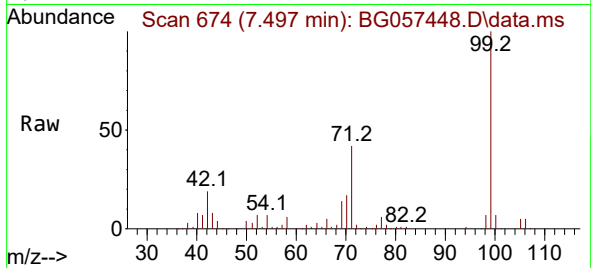




#7
Phenol-d6
Concen: 83.810 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

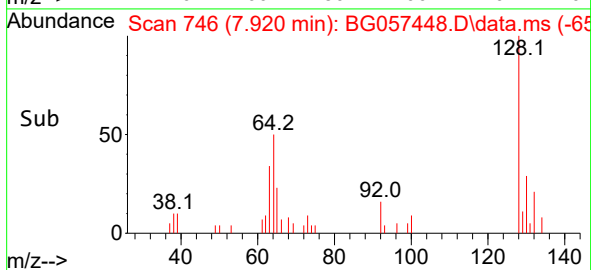
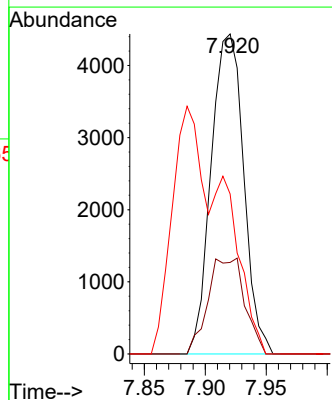
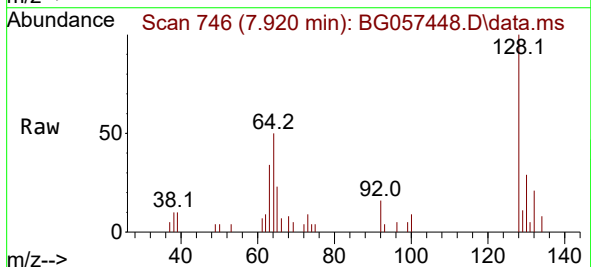
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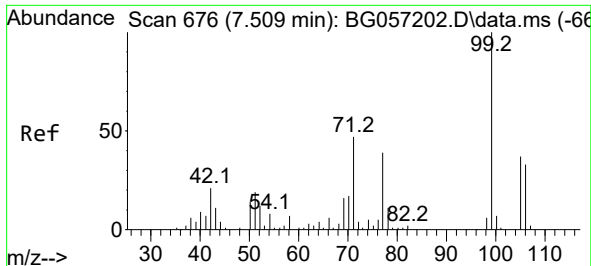
Tgt Ion: 99 Resp: 125765
Ion Ratio Lower Upper
99 100
42 18.7 15.1 22.7
71 42.1 35.2 52.8



#8
2-Chlorophenol
Concen: 7.883 ng
RT: 7.920 min Scan# 746
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion: 128 Resp: 8231
Ion Ratio Lower Upper
128 100
130 28.6 12.2 52.2
64 50.0 28.4 68.4

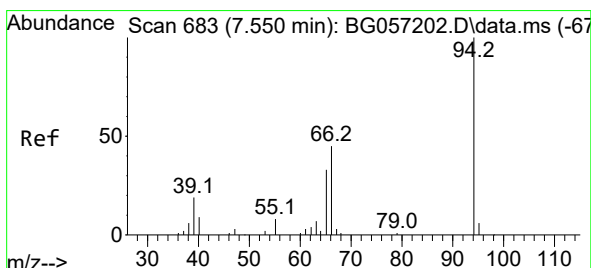
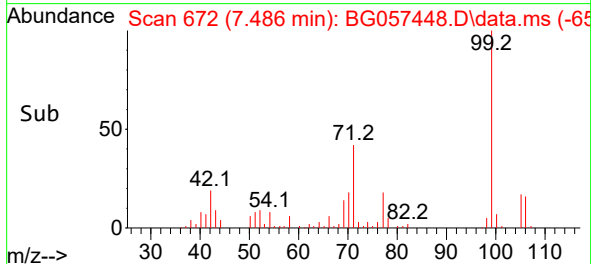
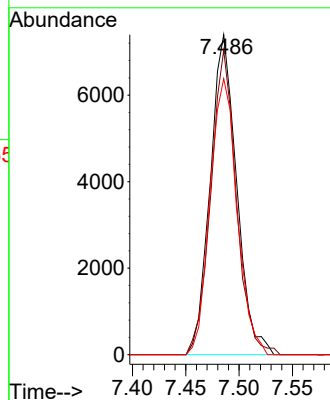
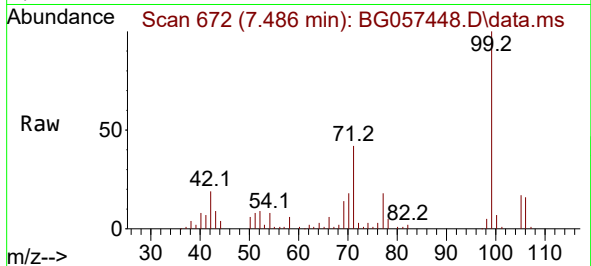




#9
Benzaldehyde
Concen: 10.911 ng
RT: 7.486 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

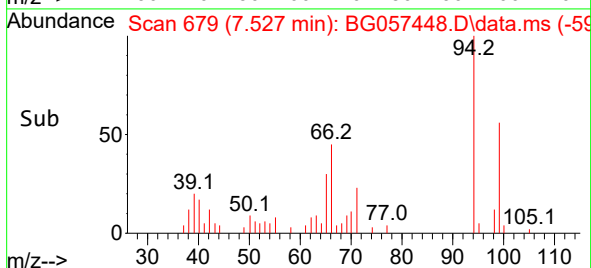
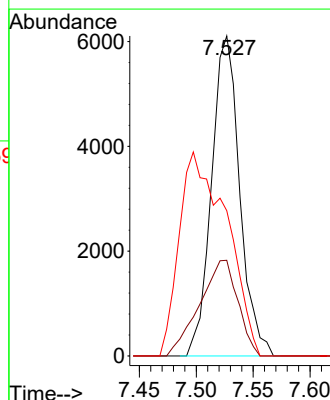
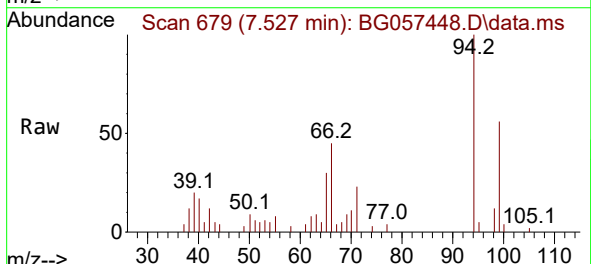
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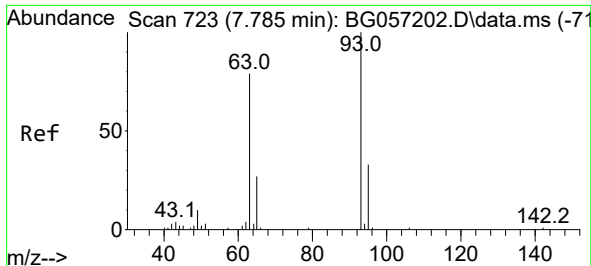
Tgt Ion: 77 Resp: 12723
Ion Ratio Lower Upper
77 100
105 95.1 74.6 114.6
106 86.3 66.3 106.3



#10
Phenol
Concen: 7.190 ng
RT: 7.527 min Scan# 679
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion: 94 Resp: 10518
Ion Ratio Lower Upper
94 100
65 29.9 13.5 53.5
66 45.4 26.7 66.7





#11

bis(2-Chloroethyl)ether

Concen: 6.810 ng

RT: 7.756 min Scan# 71

Delta R.T. -0.008 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

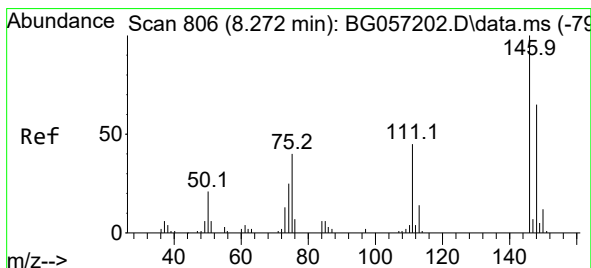
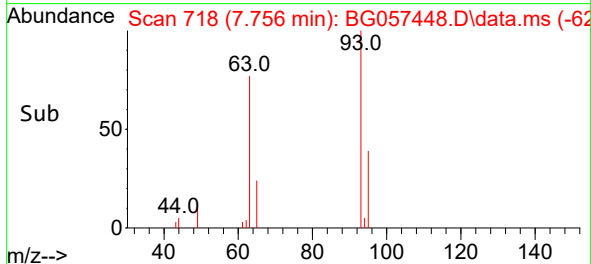
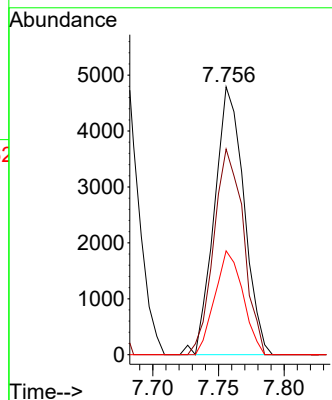
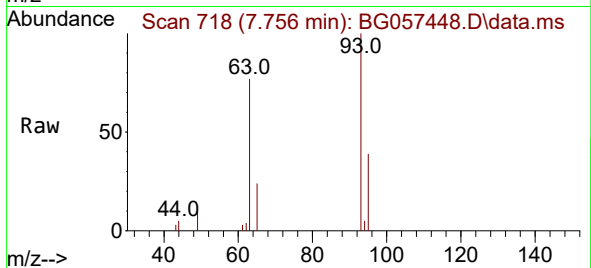
Tgt Ion: 93 Resp: 7512

Ion Ratio Lower Upper

93 100

63 76.8 58.6 98.6

95 38.7 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 7.614 ng

RT: 8.243 min Scan# 801

Delta R.T. -0.008 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

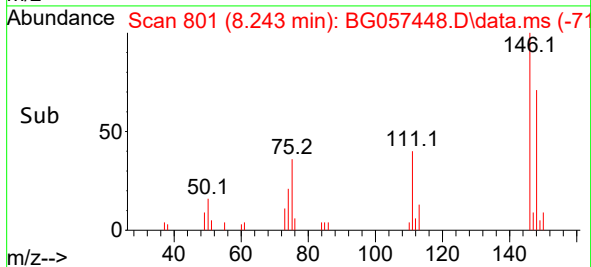
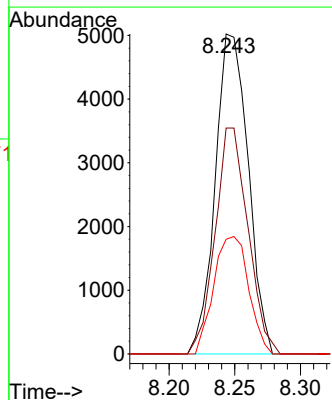
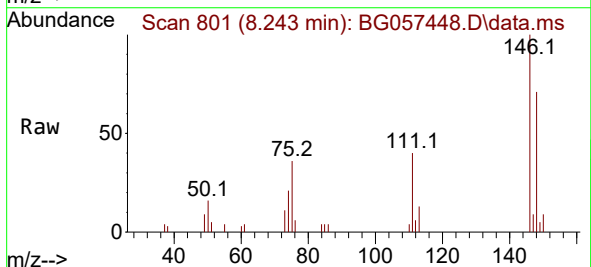
Tgt Ion:146 Resp: 8775

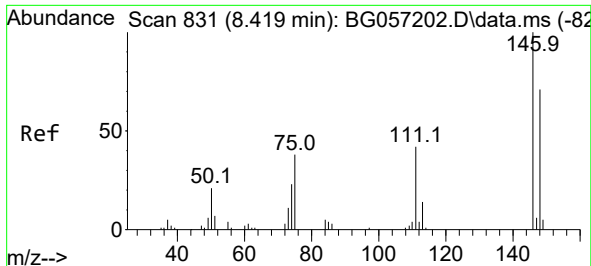
Ion Ratio Lower Upper

146 100

148 70.6 52.2 78.2

75 35.8 31.7 47.5





#13

1,4-Dichlorobenzene

Concen: 7.573 ng

RT: 8.396 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

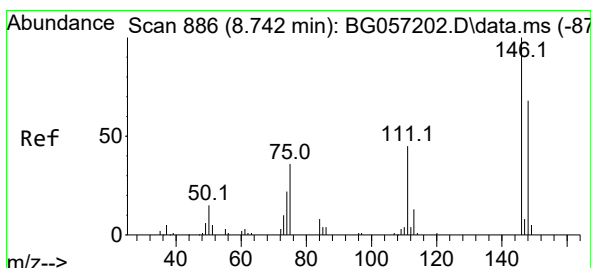
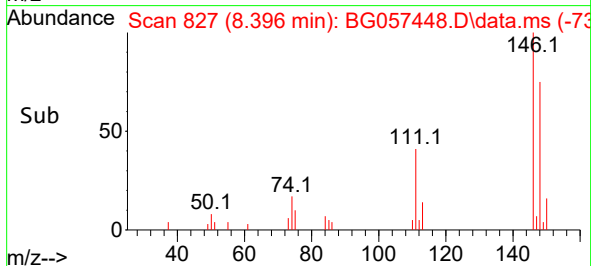
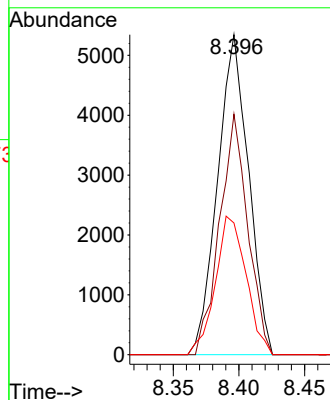
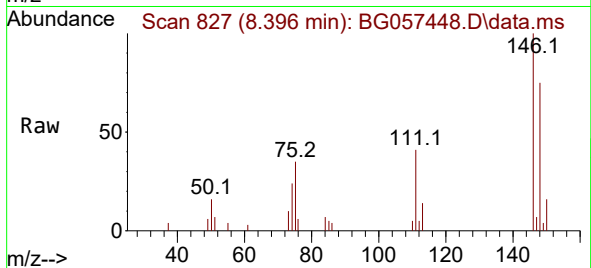
Tgt Ion:146 Resp: 8767

Ion Ratio Lower Upper

146 100

148 75.1 56.4 84.6

111 41.1 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 8.022 ng

RT: 8.719 min Scan# 882

Delta R.T. -0.008 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

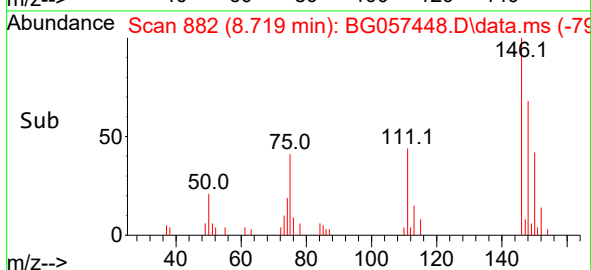
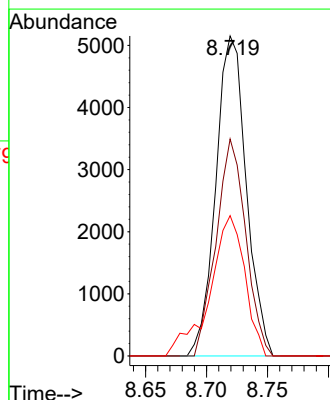
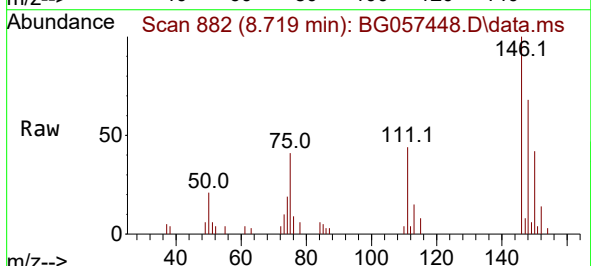
Tgt Ion:146 Resp: 8965

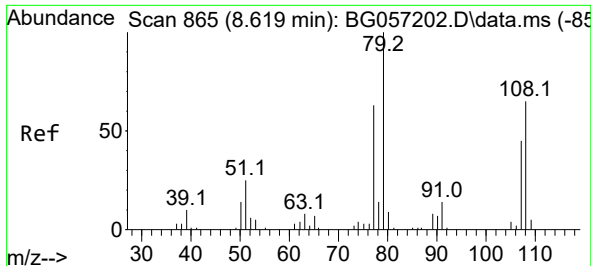
Ion Ratio Lower Upper

146 100

148 67.8 54.6 82.0

111 43.9 37.2 55.8

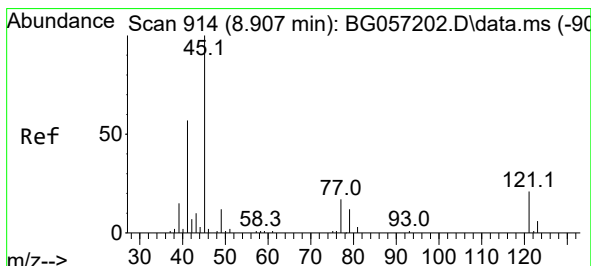
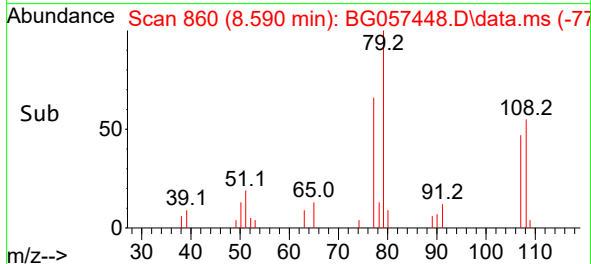
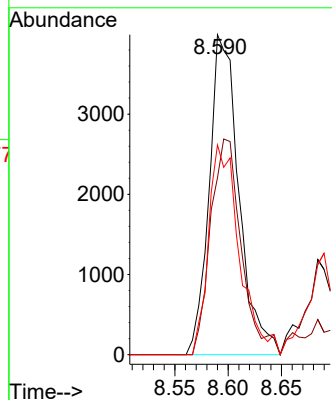
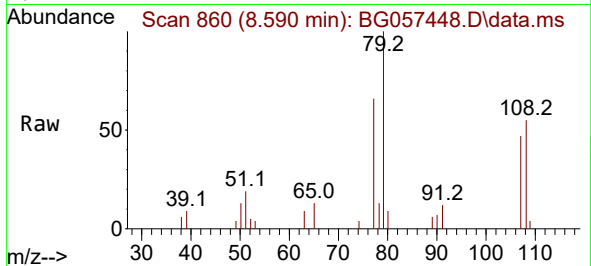




#15
Benzyl Alcohol
Concen: 6.171 ng
RT: 8.590 min Scan# 80
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

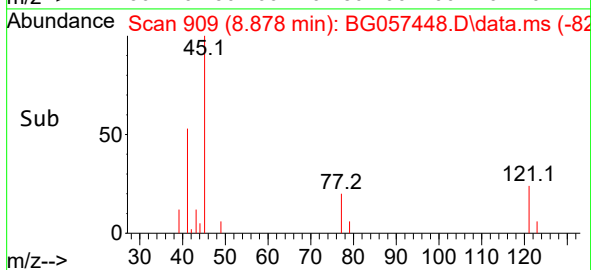
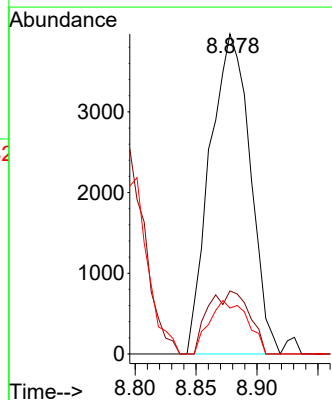
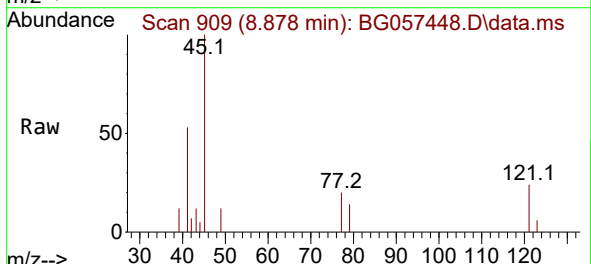
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 79 Resp: 7714
Ion Ratio Lower Upper
79 100
108 55.3 52.2 78.2
77 65.6 50.1 75.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.553 ng
RT: 8.878 min Scan# 909
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion: 45 Resp: 9111
Ion Ratio Lower Upper
45 100
77 19.7 0.0 38.5
79 14.4 0.0 33.8

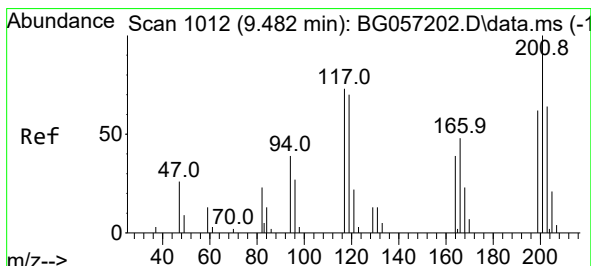
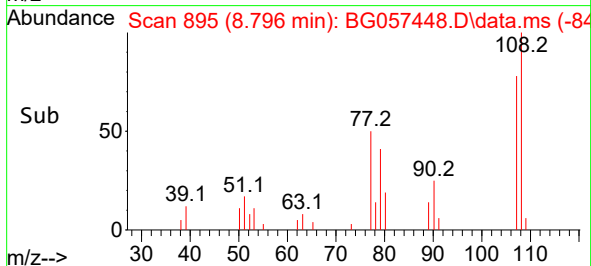
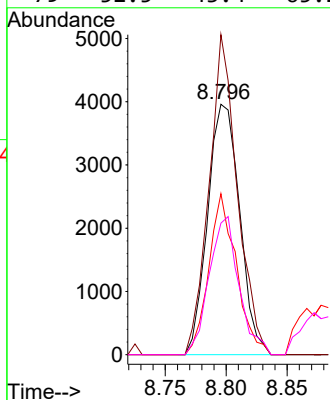
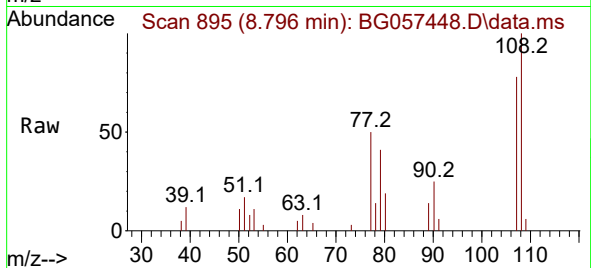




#17
2-Methylphenol
Concen: 6.849 ng
RT: 8.796 min Scan# 899
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

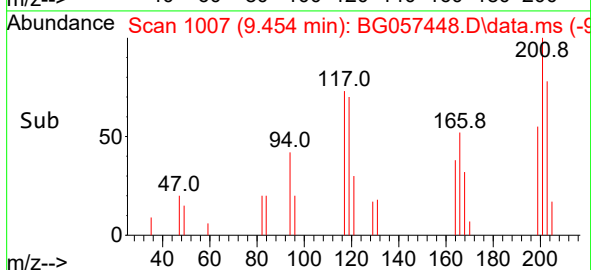
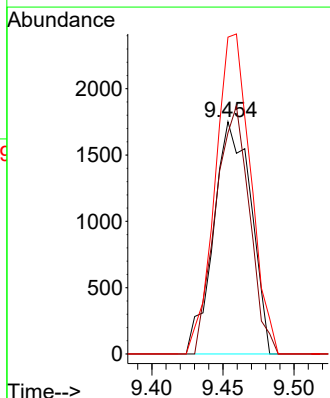
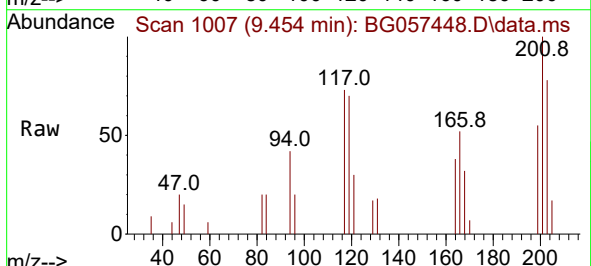
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

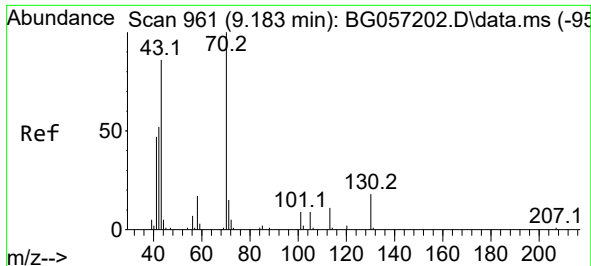
Tgt Ion:	107	Resp:	7222
Ion	Ratio	Lower	Upper
107	100		
108	127.8	89.5	134.3
77	64.3	45.1	67.7
79	52.5	43.4	65.2



#18
Hexachloroethane
Concen: 7.658 ng
RT: 9.454 min Scan# 1007
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:	117	Resp:	3199
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.7	115.1
201	136.4	109.0	163.4

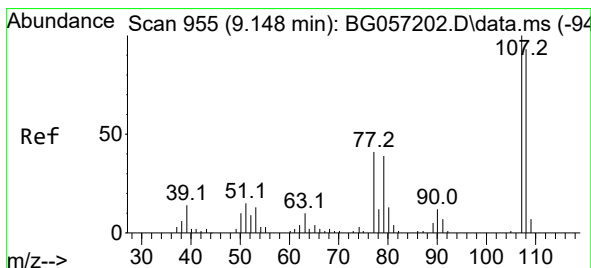
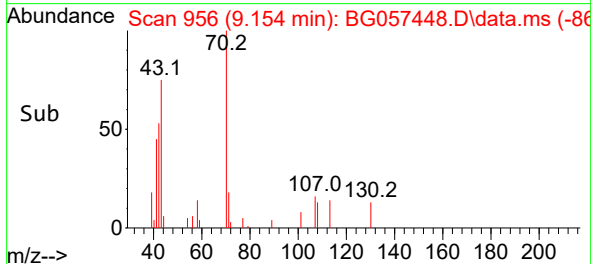
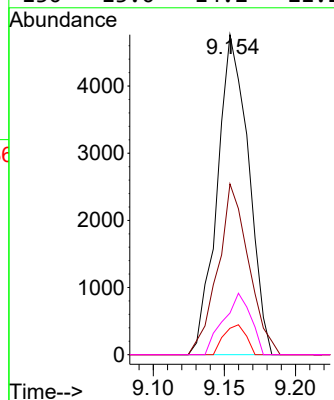
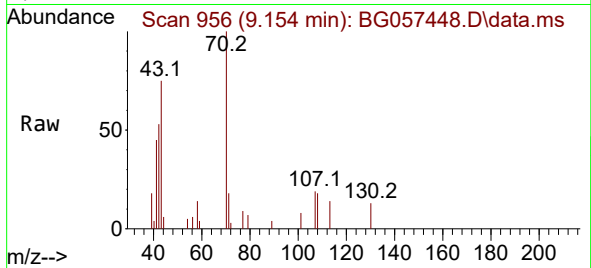




#19
n-Nitroso-di-n-propylamine
Concen: 6.375 ng
RT: 9.154 min Scan# 91
Delta R.T. -0.014 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

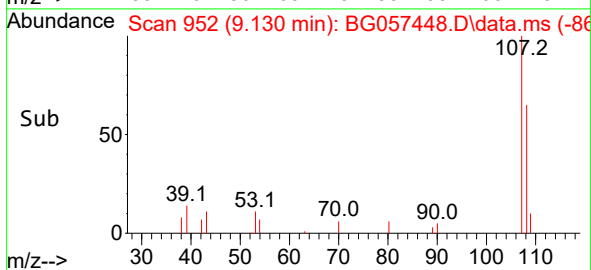
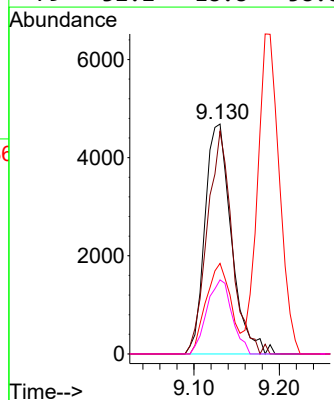
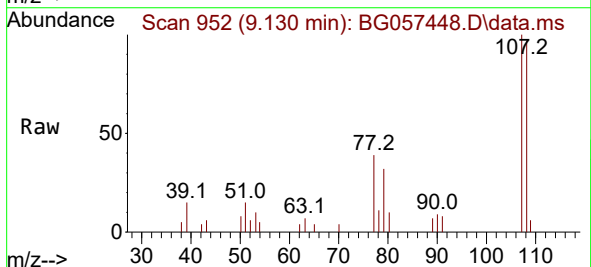
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

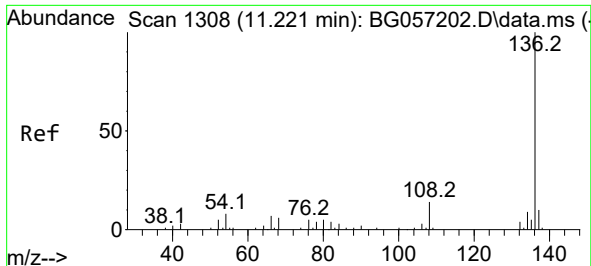
Tgt Ion:	70	Resp:	7295
Ion	Ratio	Lower	Upper
70	100		
42	53.3	41.8	62.8
101	8.2	6.8	10.2
130	13.0	14.2	21.2



#20
3+4-Methylphenols
Concen: 6.990 ng
RT: 9.130 min Scan# 952
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:	107	Resp:	10093
Ion	Ratio	Lower	Upper
107	100		
108	96.9	73.5	113.5
77	39.4	21.1	61.1
79	32.2	18.8	58.8

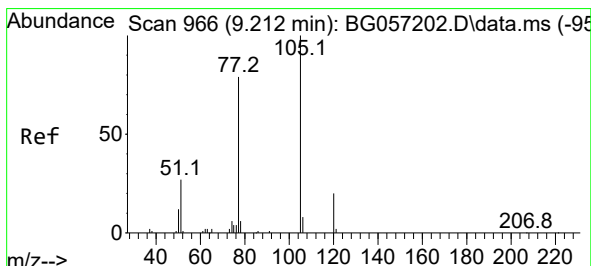
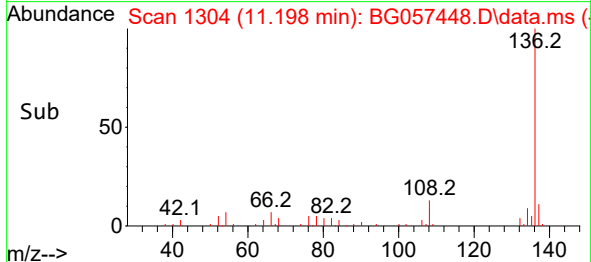
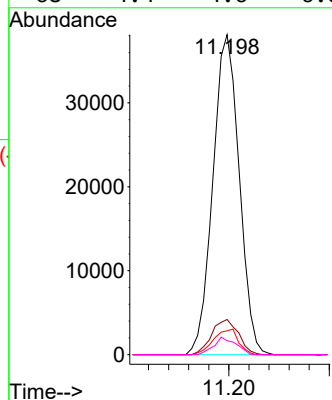
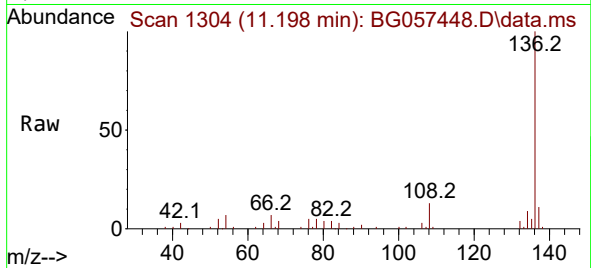




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

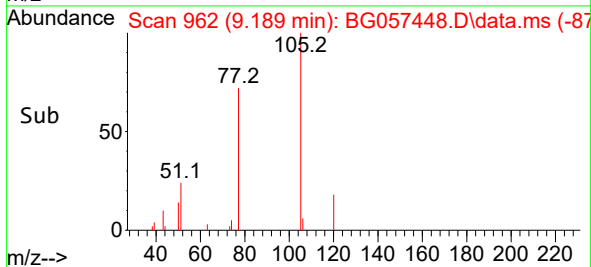
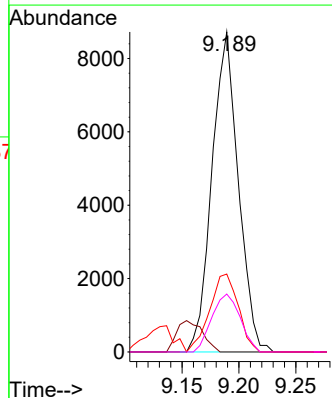
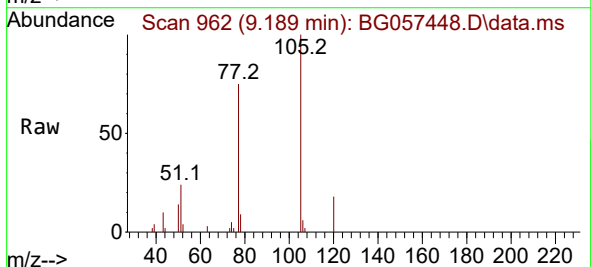
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

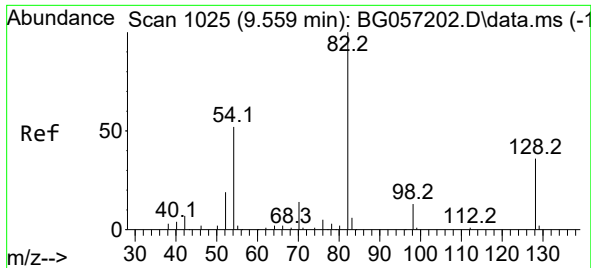
Tgt Ion:136 Resp: 69348
Ion Ratio Lower Upper
136 100
137 11.0 8.3 12.5
54 7.4 6.7 10.1
68 4.4 4.6 6.8#



#22
Acetophenone
Concen: 7.079 ng
RT: 9.189 min Scan# 962
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:105 Resp: 14051
Ion Ratio Lower Upper
105 100
71 0.0 0.4 0.6#
51 24.3 24.0 36.0
120 18.1 15.8 23.8

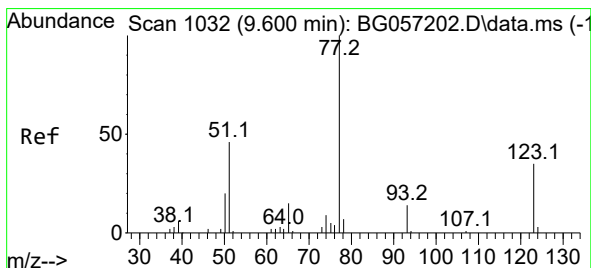
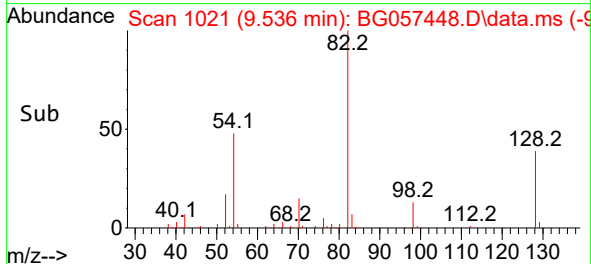
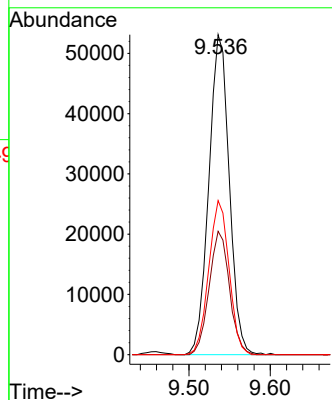
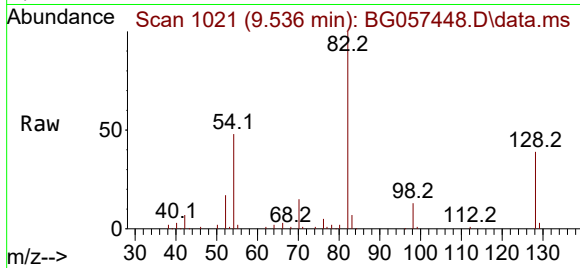




#23
 Nitrobenzene-d5
 Concen: 56.057 ng
 RT: 9.536 min Scan# 1021
 Delta R.T. -0.008 min
 Lab File: BG057448.D
 Acq: 17 May 2023 17:25

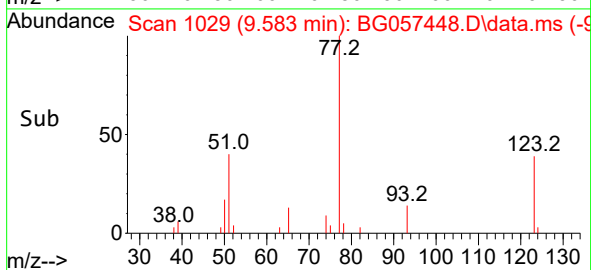
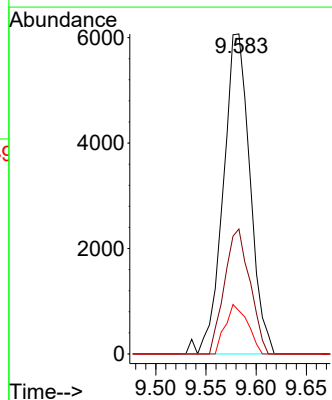
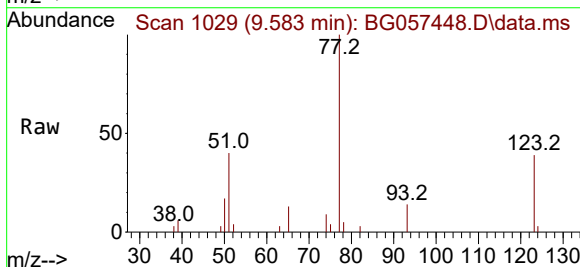
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

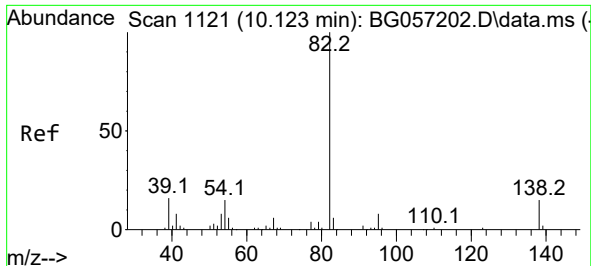
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.5	29.0	43.4
54	48.1	41.4	62.0



#24
 Nitrobenzene
 Concen: 6.762 ng
 RT: 9.583 min Scan# 1029
 Delta R.T. -0.003 min
 Lab File: BG057448.D
 Acq: 17 May 2023 17:25

Tgt Ion	Ratio	Lower	Upper
77	100		
123	39.0	28.2	42.2
65	13.5	11.7	17.5

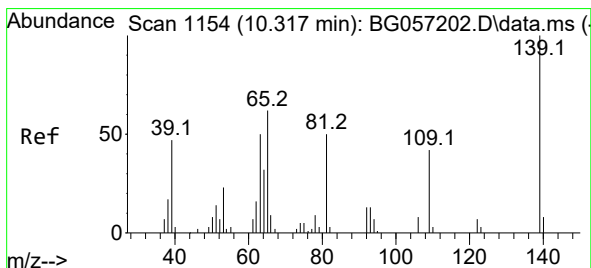
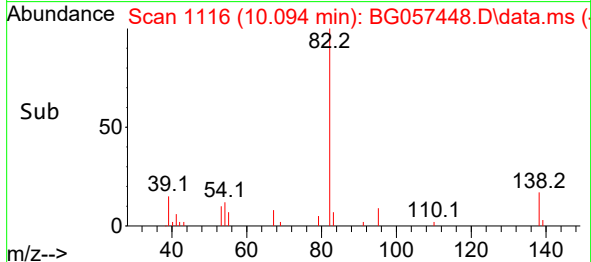
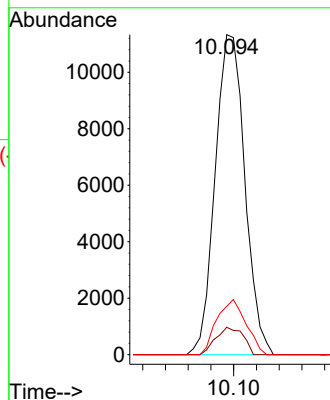
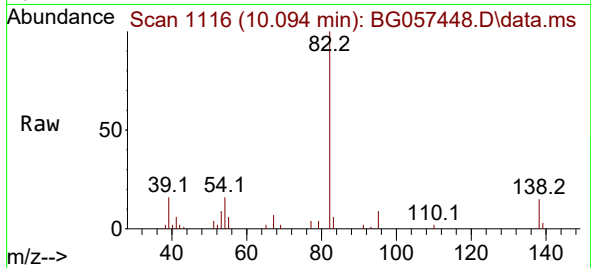




#25
Isophorone
Concen: 6.412 ng
RT: 10.094 min Scan# 1116
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

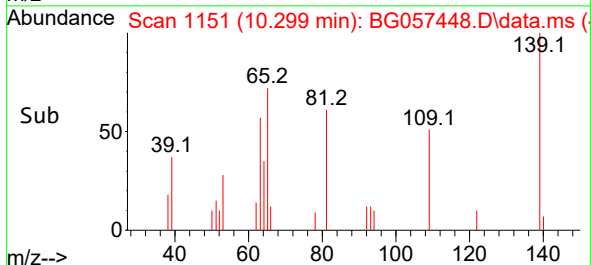
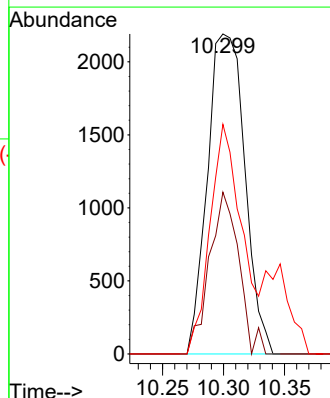
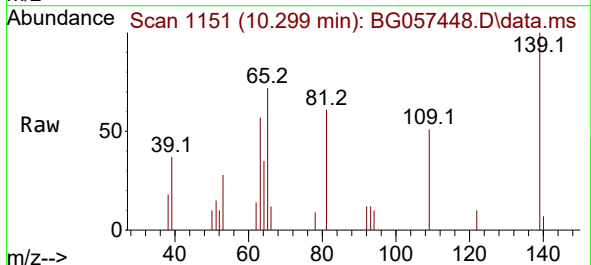
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2023

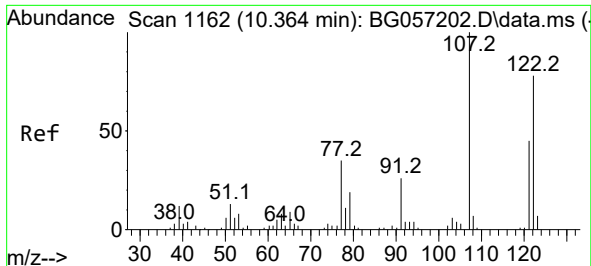
Tgt Ion: 82 Resp: 20545
Ion Ratio Lower Upper
82 100
95 8.5 6.4 9.6
138 15.1 12.3 18.5



#26
2-Nitrophenol
Concen: 7.316 ng
RT: 10.299 min Scan# 1151
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:139 Resp: 4670
Ion Ratio Lower Upper
139 100
109 50.6 33.4 50.2#
65 71.7 49.8 74.6

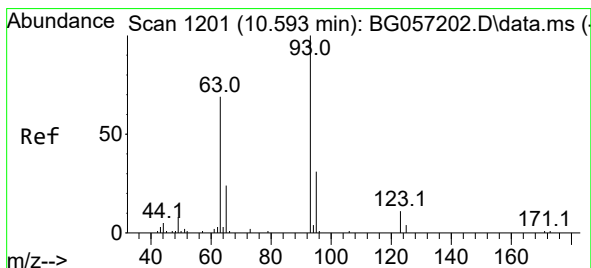
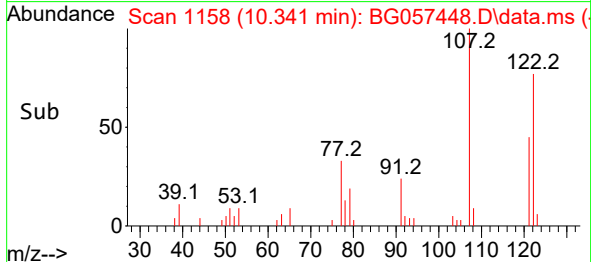
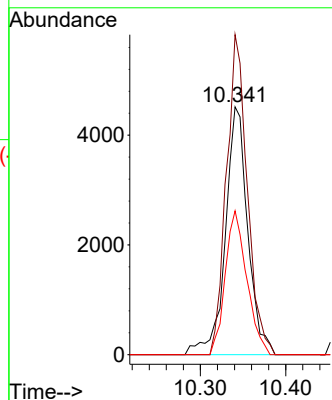
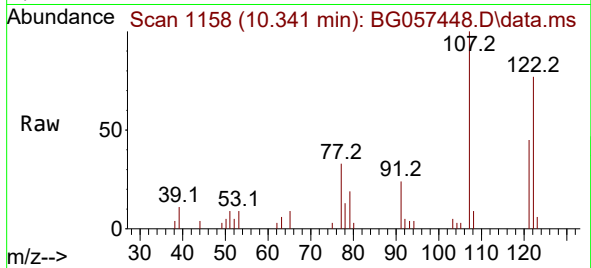




#27
2,4-Dimethylphenol
Concen: 7.400 ng
RT: 10.341 min Scan# 1162
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

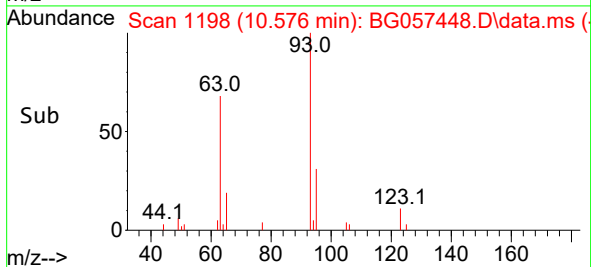
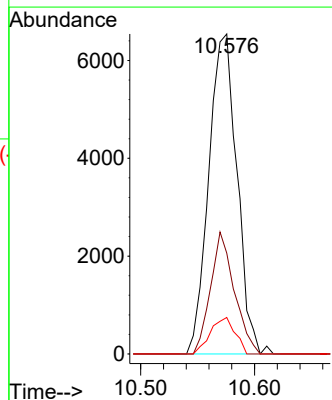
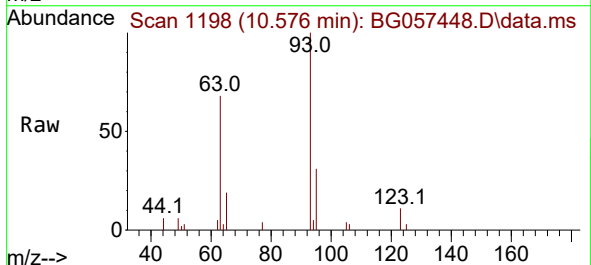
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

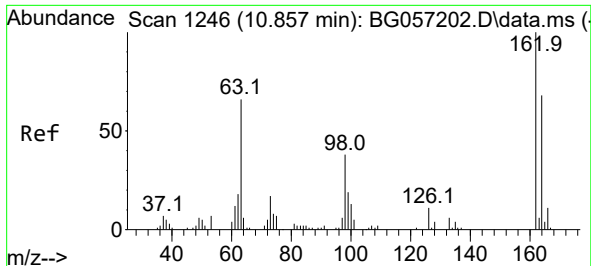
Tgt Ion:122 Resp: 8272
Ion Ratio Lower Upper
122 100
107 129.1 103.0 154.4
121 58.0 45.9 68.9



#28
bis(2-Chloroethoxy)methane
Concen: 7.026 ng
RT: 10.576 min Scan# 1198
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion: 93 Resp: 11278
Ion Ratio Lower Upper
93 100
95 31.5 25.0 37.6
123 11.4 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 7.441 ng

RT: 10.846 min Scan# 11

Delta R.T. 0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

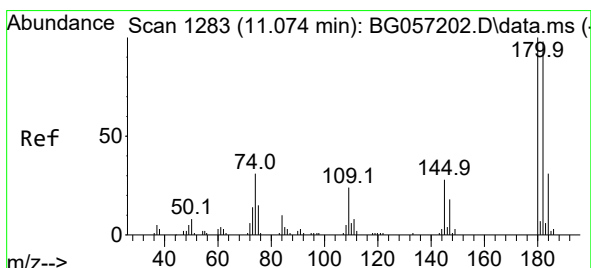
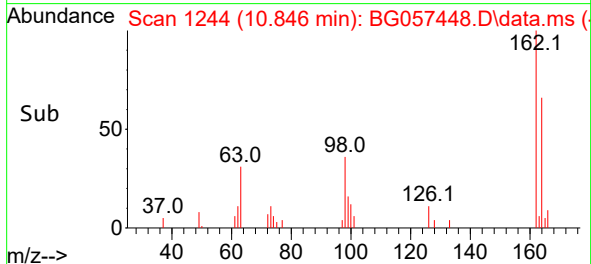
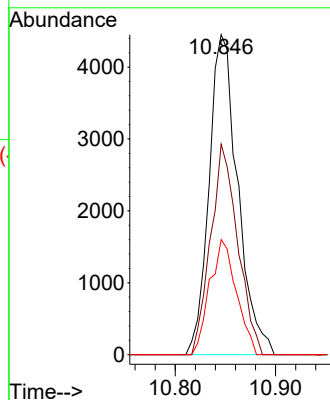
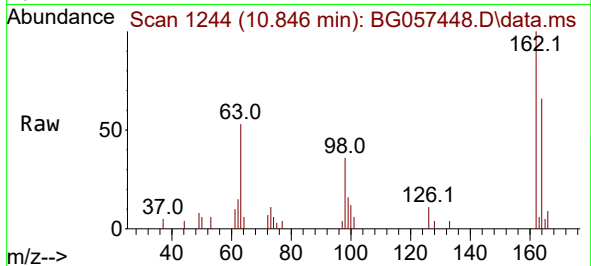
Tgt Ion:162 Resp: 8821

Ion Ratio Lower Upper

162 100

164 65.8 48.4 88.4

98 35.9 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 7.280 ng

RT: 11.057 min Scan# 1280

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

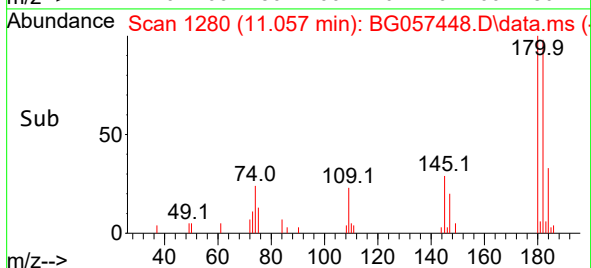
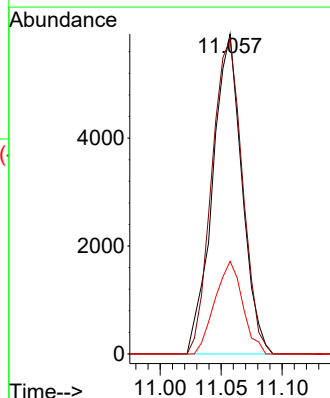
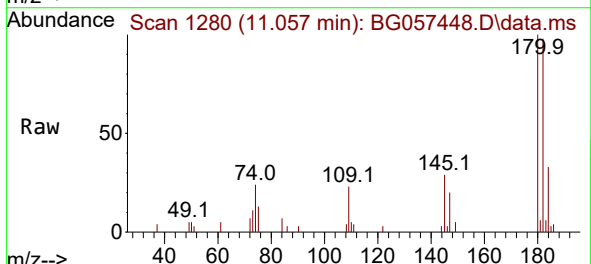
Tgt Ion:180 Resp: 9955

Ion Ratio Lower Upper

180 100

182 98.3 78.0 117.0

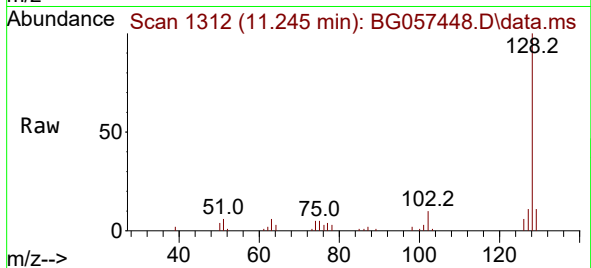
145 29.0 22.4 33.6



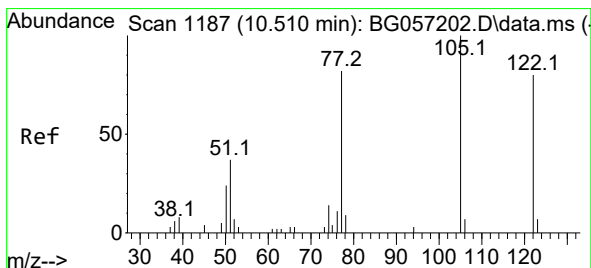
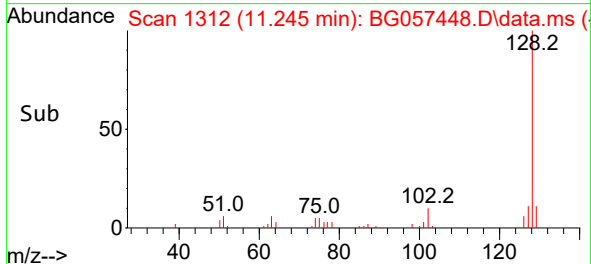
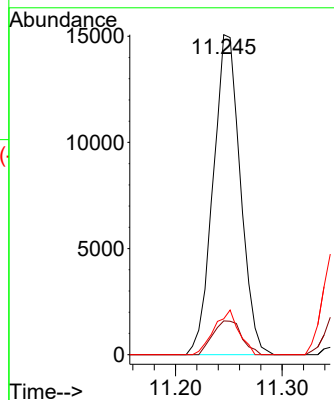


#31
Naphthalene
Concen: 7.179 ng
RT: 11.245 min Scan# 1183
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

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

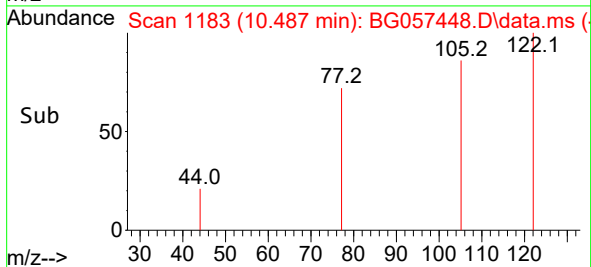
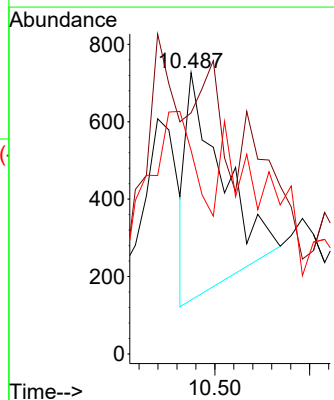
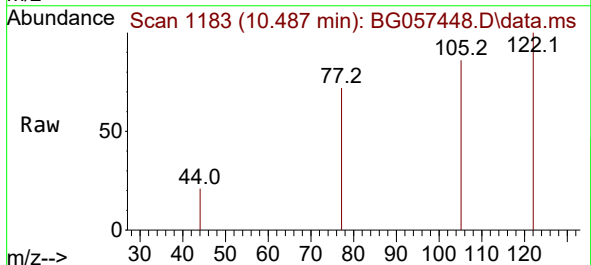


Tgt Ion:128 Resp: 26616
Ion Ratio Lower Upper
128 100
129 10.6 8.3 12.5
127 11.2 11.1 16.7



#32
Benzoic acid
Concen: 5.780 ng
RT: 10.487 min Scan# 1183
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:122 Resp: 760
Ion Ratio Lower Upper
122 100
105 85.7 105.2 145.2#
77 72.4 83.1 123.1#

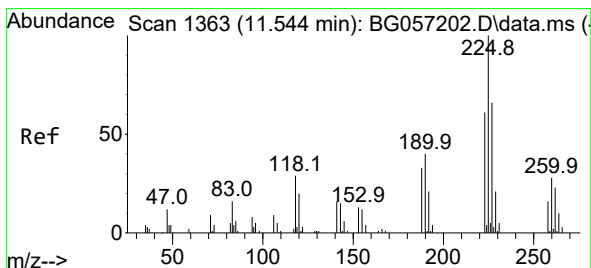
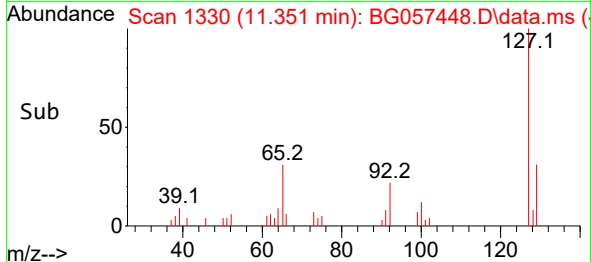
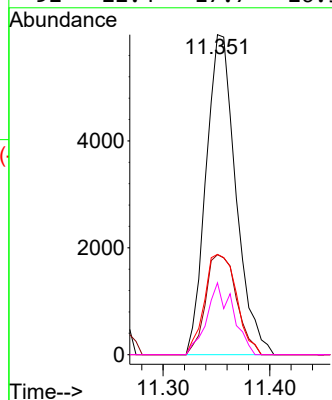
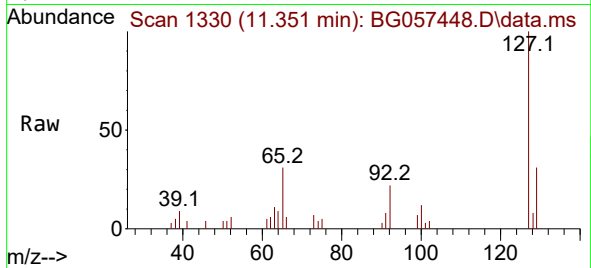




#33
4-Chloroaniline
Concen: 6.981 ng
RT: 11.351 min Scan# 11623
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

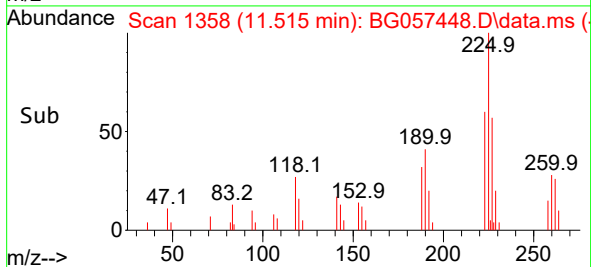
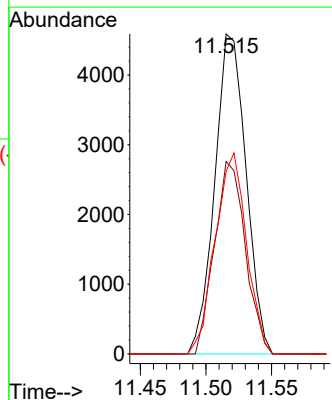
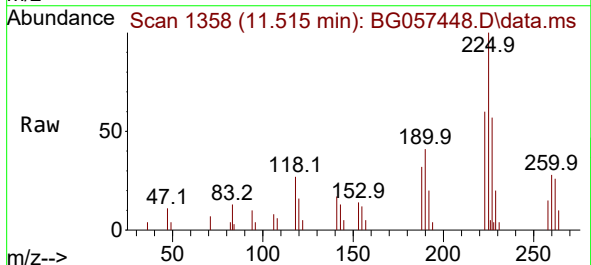
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

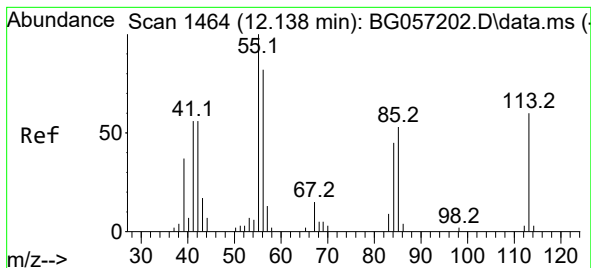
Tgt Ion:	127	Resp:	11623
Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.7	40.1
65	31.4	29.7	44.5
92	22.4	17.7	26.5



#34
Hexachlorobutadiene
Concen: 7.511 ng
RT: 11.515 min Scan# 1358
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:	225	Resp:	7621
Ion	Ratio	Lower	Upper
225	100		
223	60.2	48.6	72.8
227	57.1	52.7	79.1





#35

Caprolactam

Concen: 7.057 ng

RT: 12.097 min Scan# 1464

Delta R.T. -0.032 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

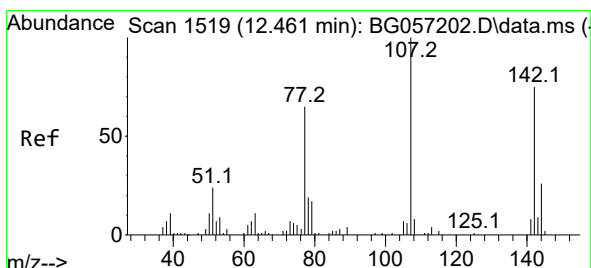
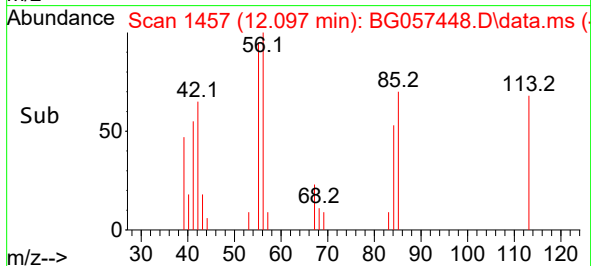
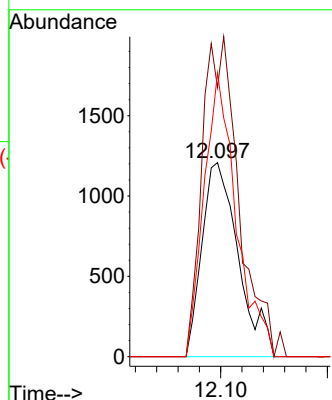
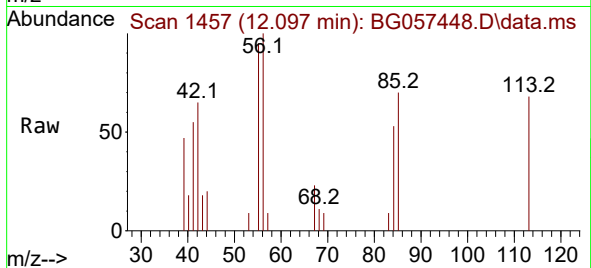
Tgt Ion:113 Resp: 2858

Ion Ratio Lower Upper

113 100

55 138.7 145.5 185.5#

56 146.2 115.9 155.9



#36

4-Chloro-3-methylphenol

Concen: 7.205 ng

RT: 12.449 min Scan# 1517

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

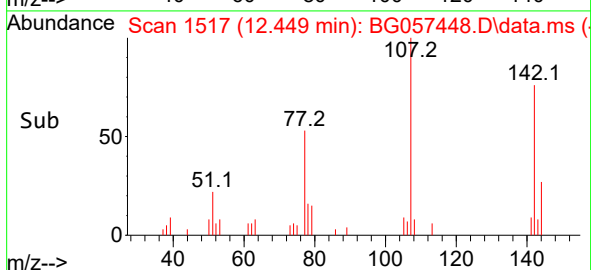
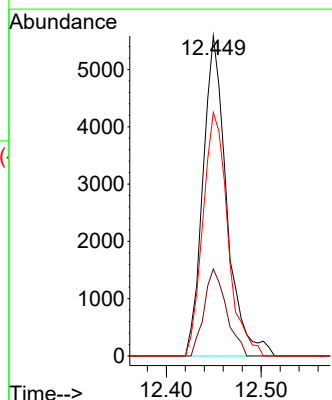
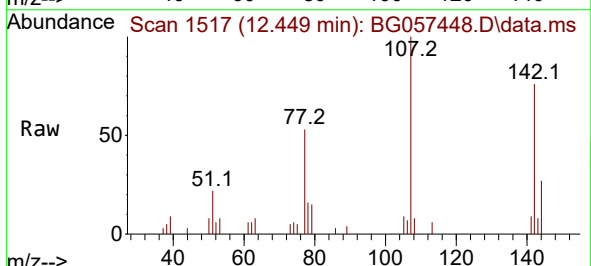
Tgt Ion:107 Resp: 9707

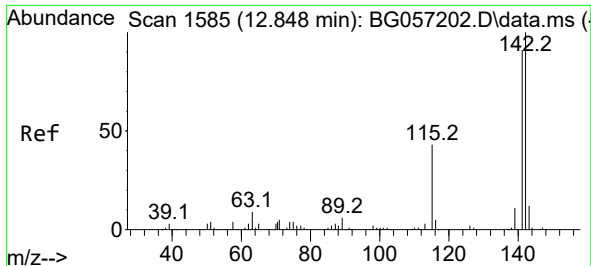
Ion Ratio Lower Upper

107 100

144 27.2 21.0 31.6

142 76.1 60.0 90.0

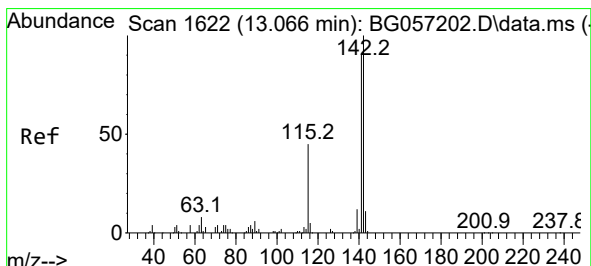
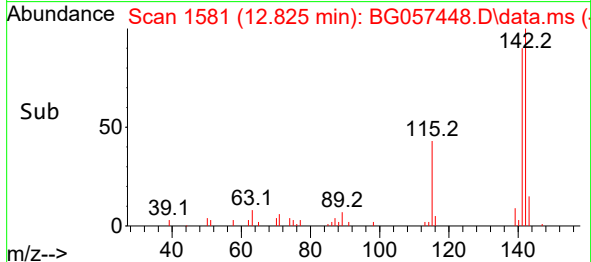
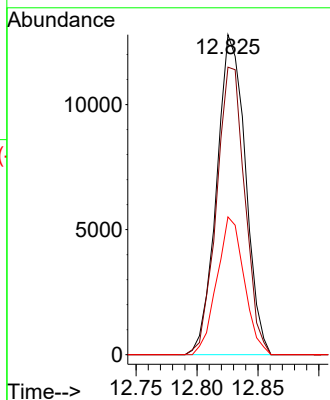
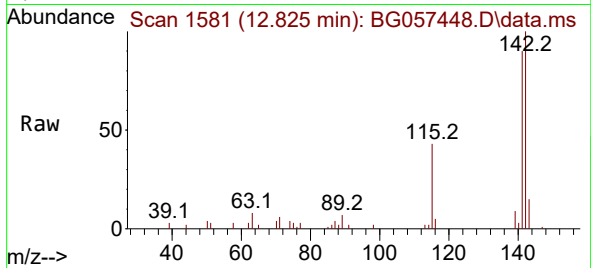




#37
2-Methylnaphthalene
Concen: 7.211 ng
RT: 12.825 min Scan# 1581
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

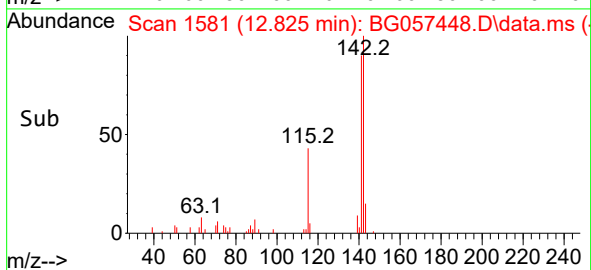
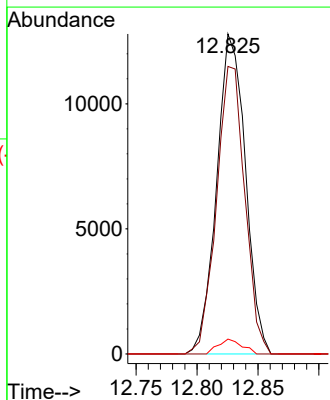
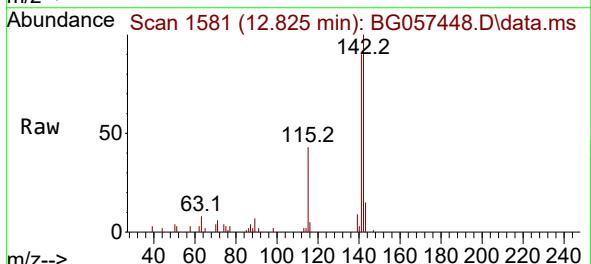
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

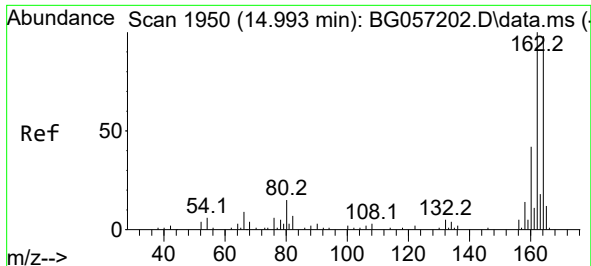
Tgt Ion:142 Resp: 21020
Ion Ratio Lower Upper
142 100
141 89.8 73.1 109.7
115 43.0 34.6 52.0



#38
1-Methylnaphthalene
Concen: 7.651 ng
RT: 12.825 min Scan# 1581
Delta R.T. -0.226 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:142 Resp: 21020
Ion Ratio Lower Upper
142 100
141 89.8 72.5 108.7
116 4.6 3.7 5.5

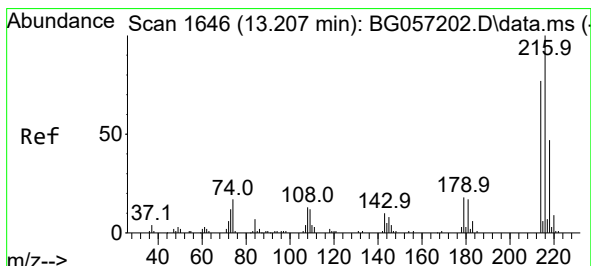
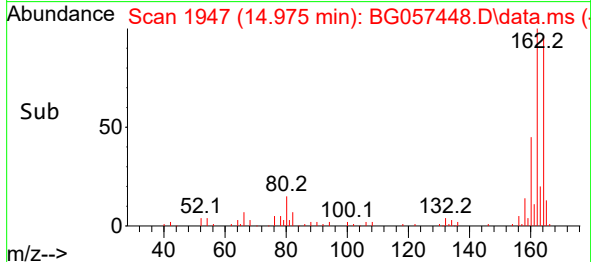
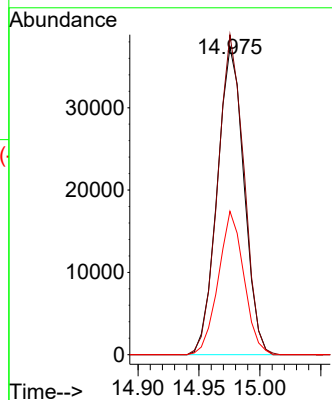
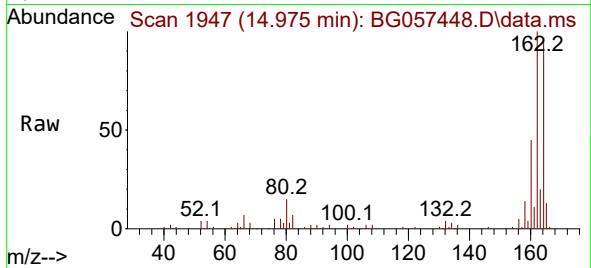




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1947
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

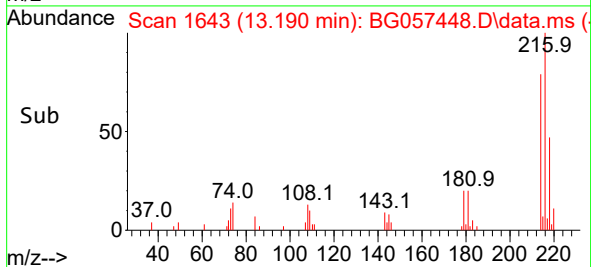
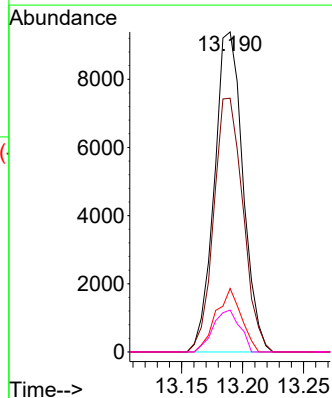
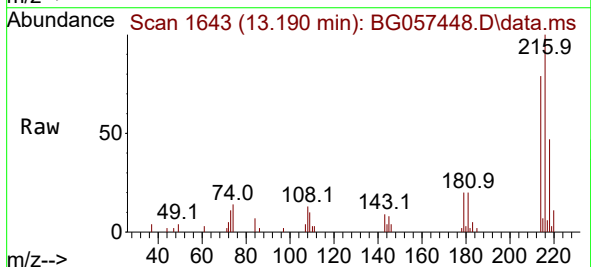
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:164 Resp: 57083
Ion Ratio Lower Upper
164 100
162 104.0 81.8 122.6
160 46.6 34.6 52.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.533 ng
RT: 13.190 min Scan# 1643
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

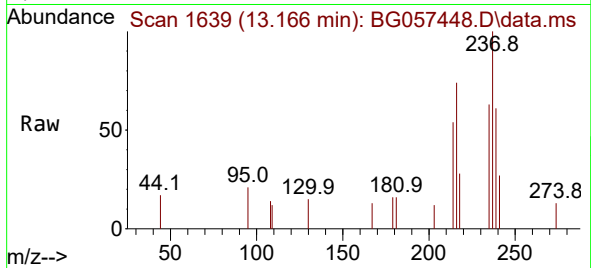
Tgt Ion:216 Resp: 15265
Ion Ratio Lower Upper
216 100
214 81.0 63.7 95.5
179 17.6 14.6 22.0
108 12.3 12.5 18.7#



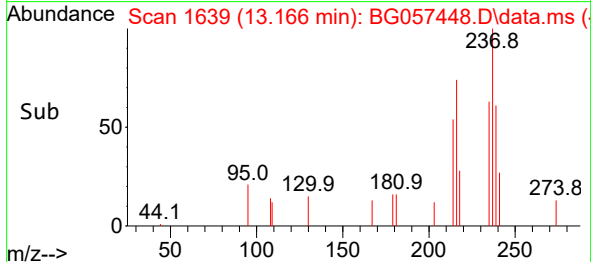
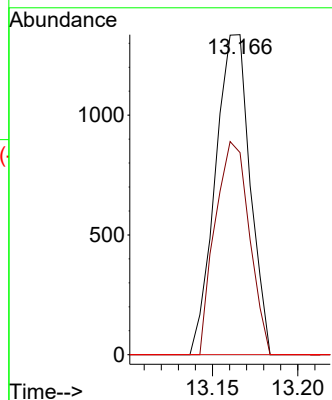


#41
Hexachlorocyclopentadiene
Concen: 8.083 ng
RT: 13.166 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

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

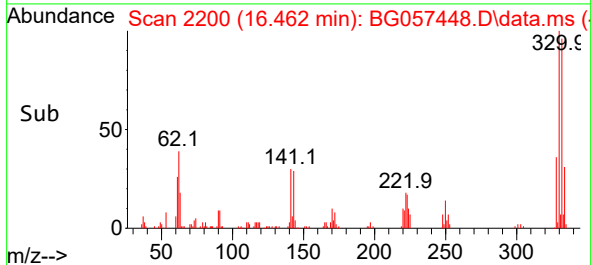
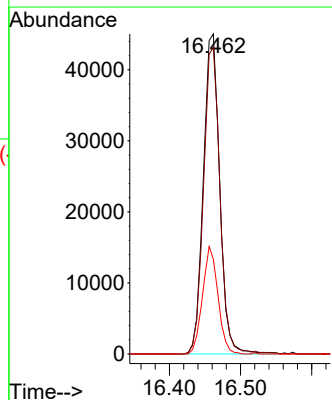
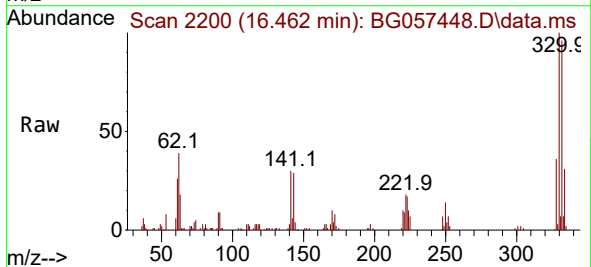


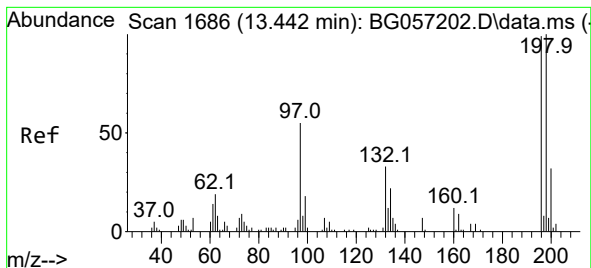
Tgt Ion:237 Resp: 1891
Ion Ratio Lower Upper
237 100
235 63.2 42.0 82.0
272 0.0 0.0 31.5



#42
2,4,6-Tribromophenol
Concen: 89.109 ng
RT: 16.462 min Scan# 2200
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:330 Resp: 72174
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.2
141 31.6 27.8 41.8





#43

2,4,6-Trichlorophenol

Concen: 7.083 ng

RT: 13.425 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

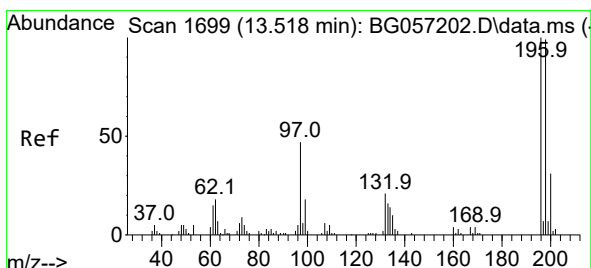
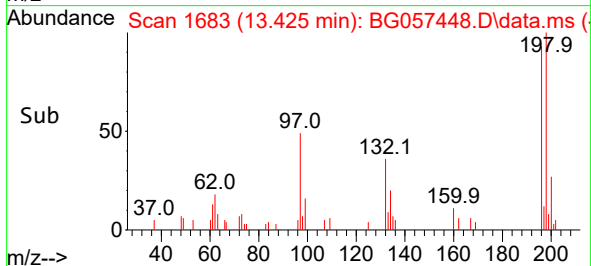
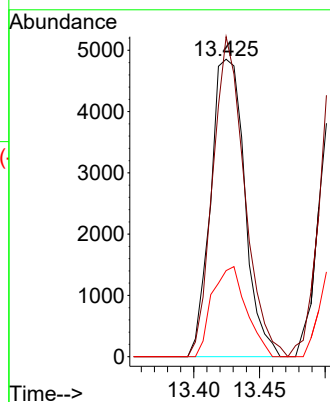
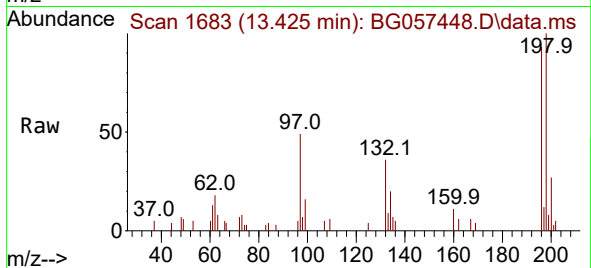
Tgt Ion:196 Resp: 8745

Ion Ratio Lower Upper

196 100

198 107.6 81.2 121.8

200 28.9 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 6.338 ng

RT: 13.507 min Scan# 1697

Delta R.T. 0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Tgt Ion:196 Resp: 9204

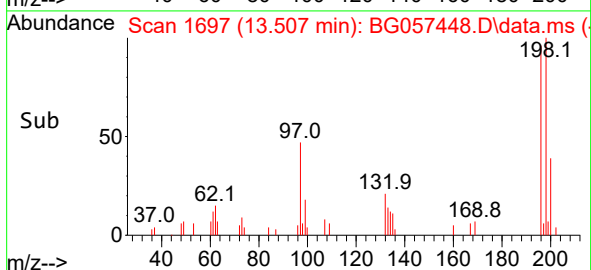
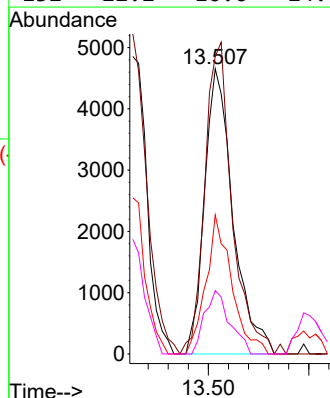
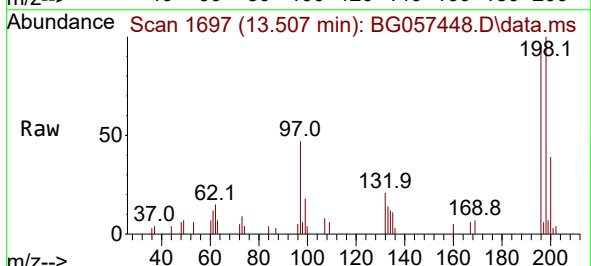
Ion Ratio Lower Upper

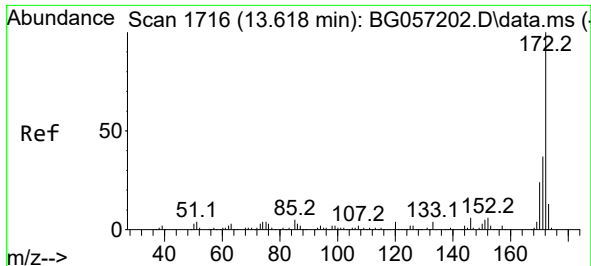
196 100

198 104.3 79.4 119.2

97 48.8 37.0 55.4

132 22.2 16.6 24.8

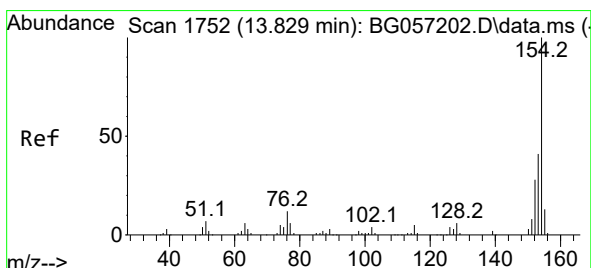
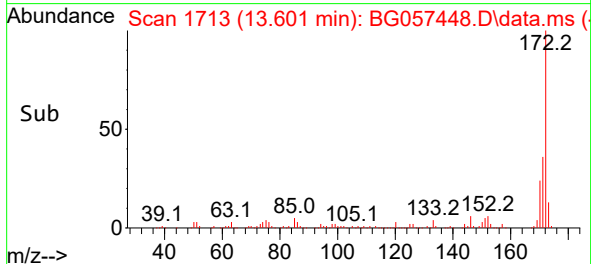
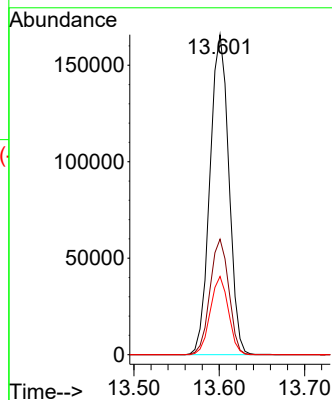
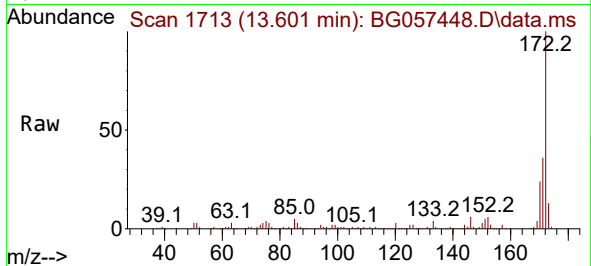




#45
2-Fluorobiphenyl
Concen: 60.107 ng
RT: 13.601 min Scan# 1713
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

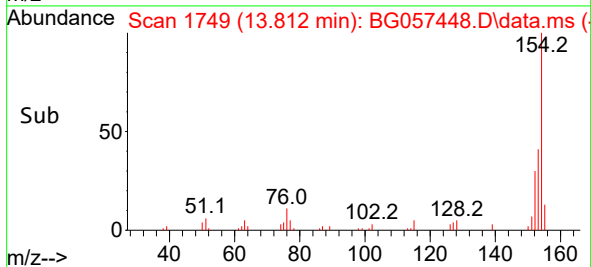
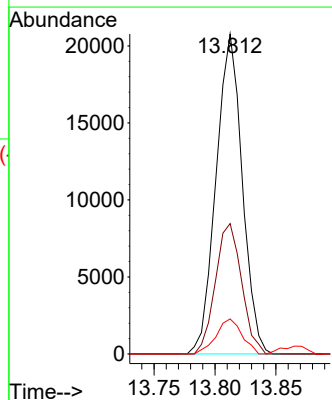
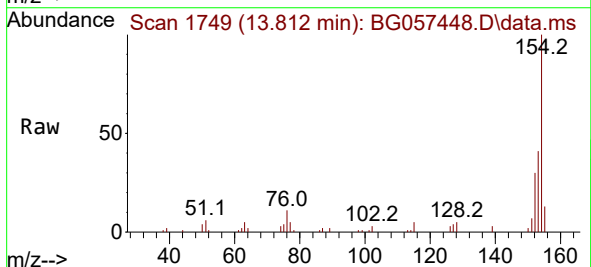
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:172 Resp: 254759
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.5 19.0 28.6



#46
1,1'-Biphenyl
Concen: 7.323 ng
RT: 13.812 min Scan# 1749
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:154 Resp: 31020
Ion Ratio Lower Upper
154 100
153 40.8 20.9 60.9
76 11.0 0.0 31.7

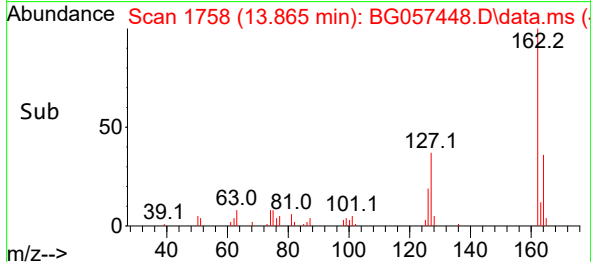
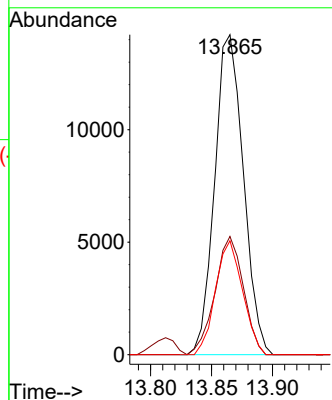
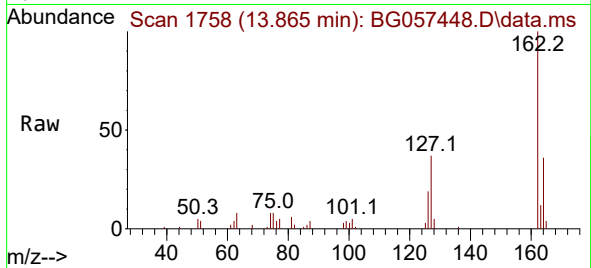




#47
2-Chloronaphthalene
Concen: 7.397 ng
RT: 13.865 min Scan# 1761
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

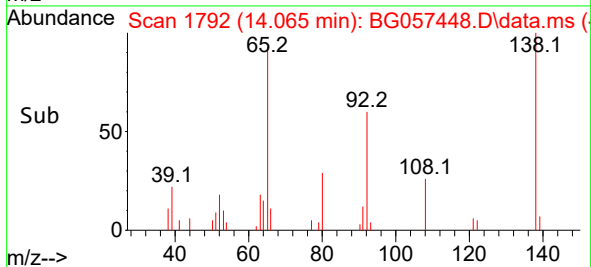
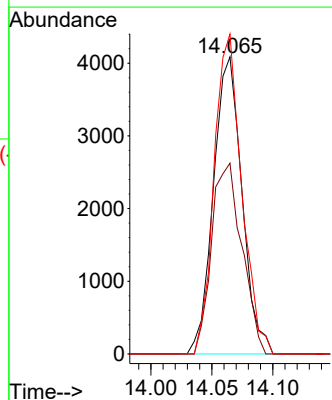
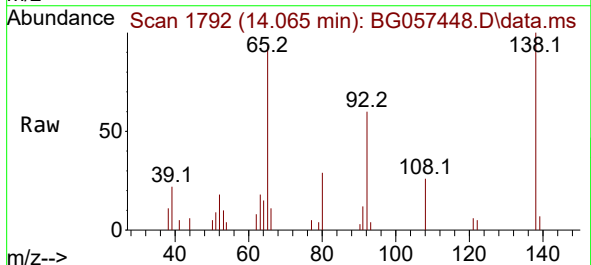
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

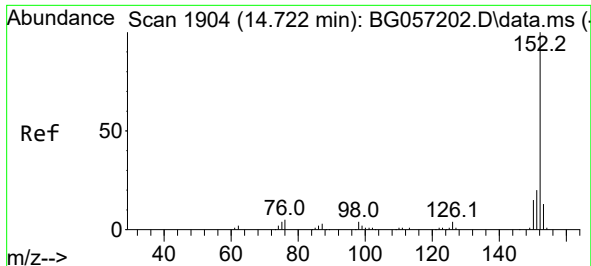
Tgt Ion:162 Resp: 23300
Ion Ratio Lower Upper
162 100
127 37.0 29.8 44.6
164 35.6 26.6 40.0



#48
2-Nitroaniline
Concen: 6.217 ng
RT: 14.065 min Scan# 1792
Delta R.T. 0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion: 65 Resp: 6658
Ion Ratio Lower Upper
65 100
92 64.2 52.1 78.1
138 107.7 75.3 112.9

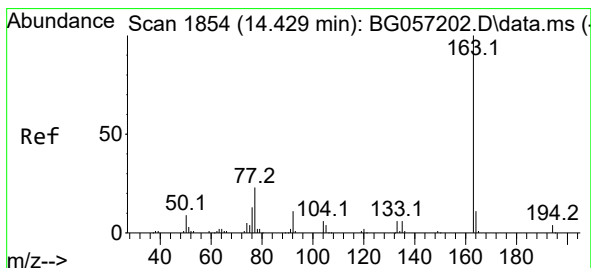
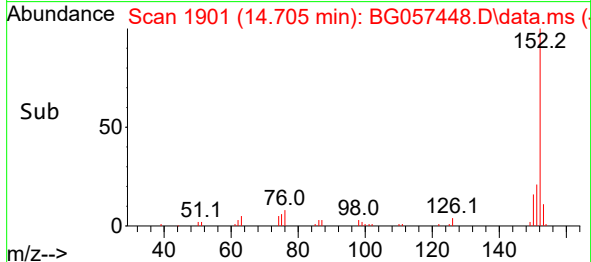
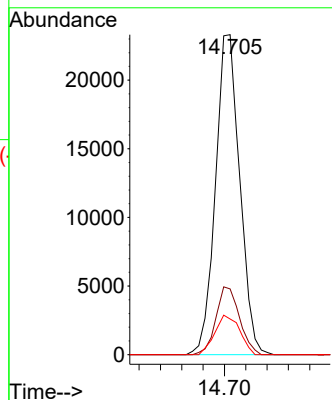
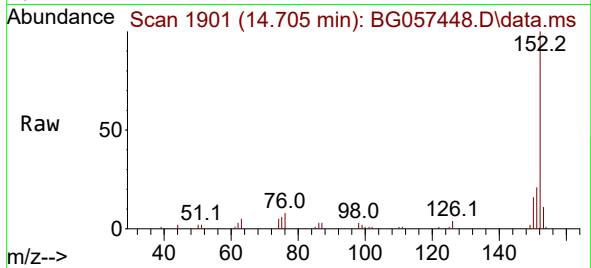




#49
Acenaphthylene
Concen: 7.183 ng
RT: 14.705 min Scan# 1901
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

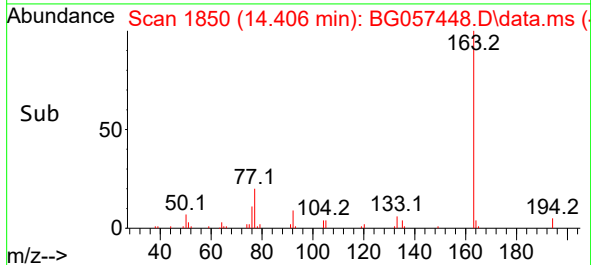
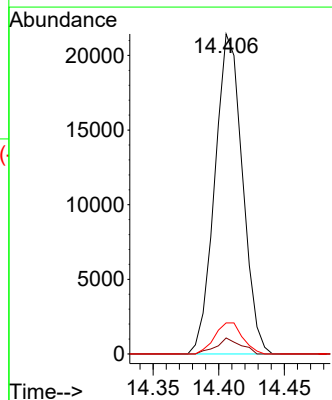
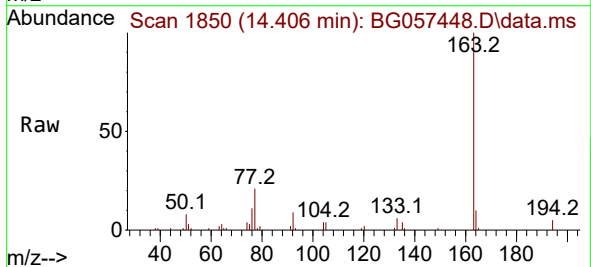
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

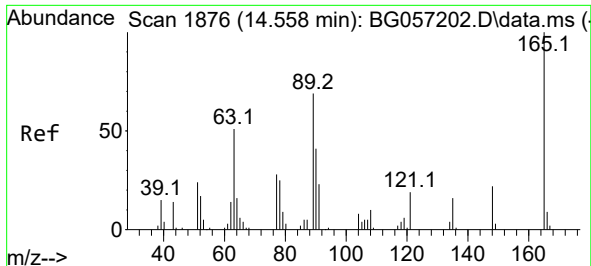
Tgt Ion:152 Resp: 36755
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 11.1 10.7 16.1



#50
Dimethylphthalate
Concen: 6.691 ng
RT: 14.406 min Scan# 1850
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:163 Resp: 31384
Ion Ratio Lower Upper
163 100
194 5.0 3.4 5.2
164 9.7 8.8 13.2

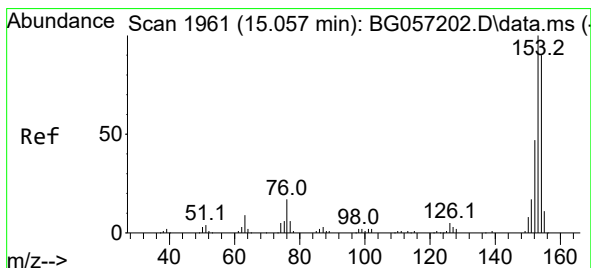
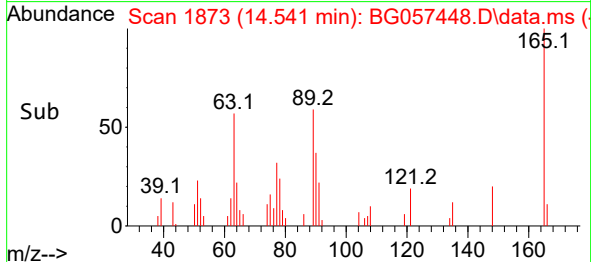
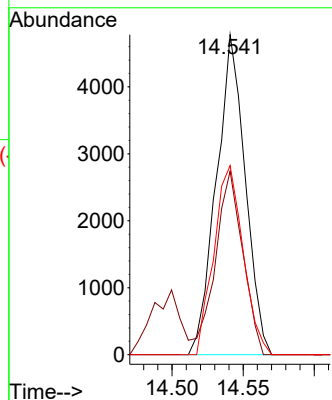
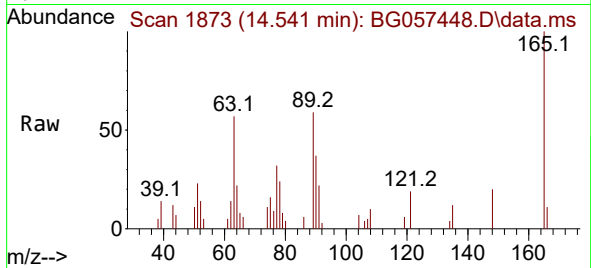




#51
2,6-Dinitrotoluene
Concen: 7.049 ng
RT: 14.541 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

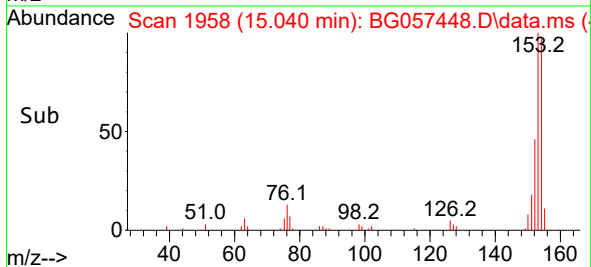
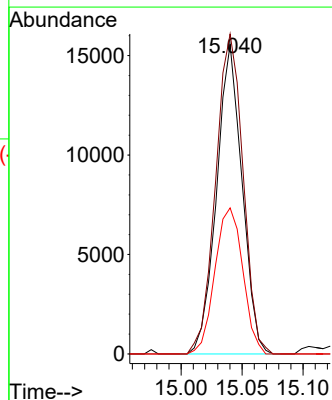
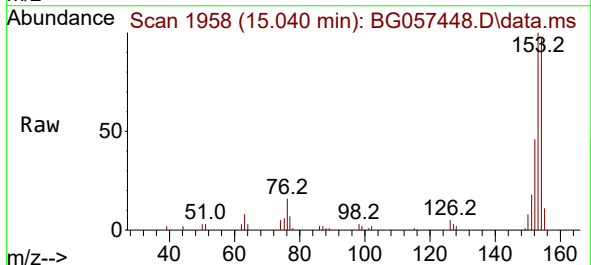
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

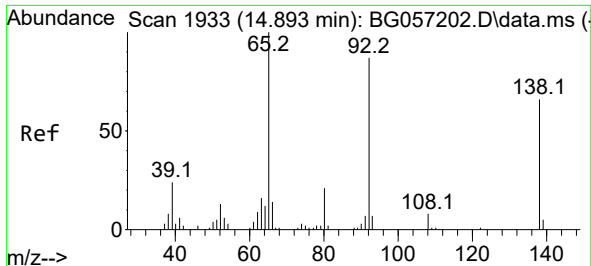
Tgt Ion:165 Resp: 6751
Ion Ratio Lower Upper
165 100
63 57.4 50.9 76.3
89 59.1 55.2 82.8



#52
Acenaphthene
Concen: 7.071 ng
RT: 15.040 min Scan# 1958
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:154 Resp: 22611
Ion Ratio Lower Upper
154 100
153 103.3 89.3 133.9
152 47.2 41.7 62.5

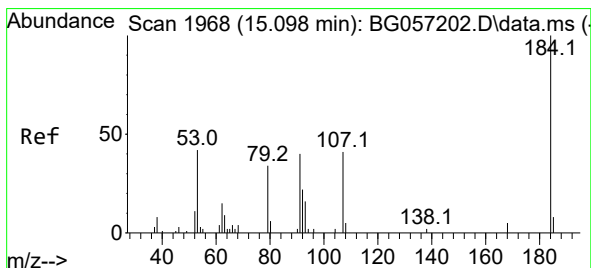
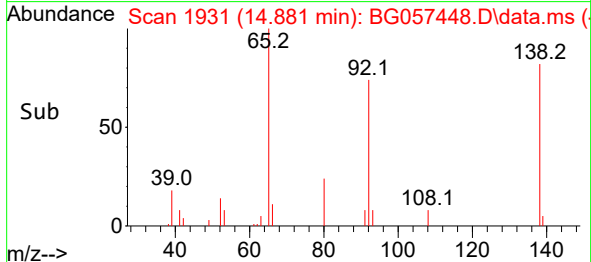
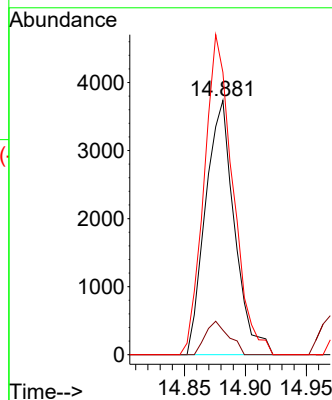
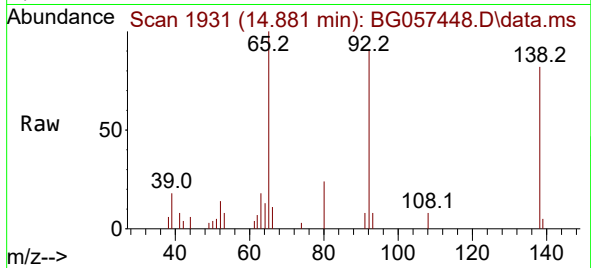




#53
3-Nitroaniline
Concen: 6.441 ng
RT: 14.881 min Scan# 1931
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

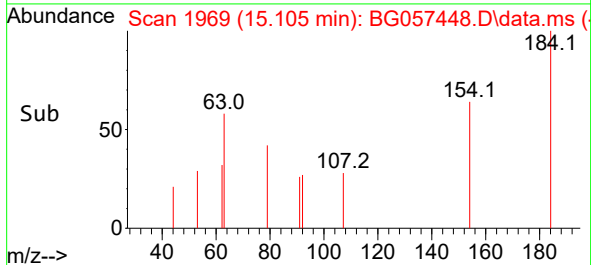
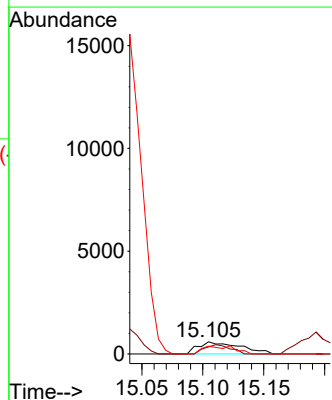
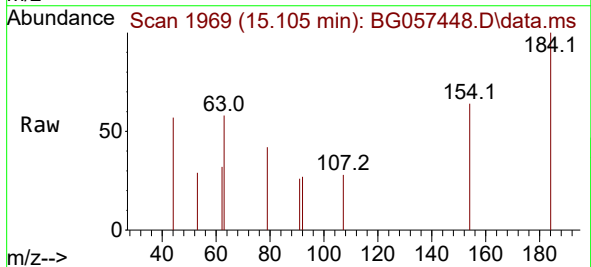
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

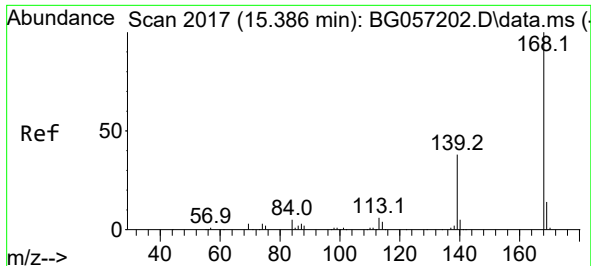
Tgt Ion:138 Resp: 6180
Ion Ratio Lower Upper
138 100
108 9.7 9.5 14.3
92 111.0 106.2 159.4



#54
2,4-Dinitrophenol
Concen: 7.151 ng
RT: 15.105 min Scan# 1969
Delta R.T. 0.009 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:184 Resp: 1412
Ion Ratio Lower Upper
184 100
63 58.2 48.2 72.4
154 63.8 55.4 83.2

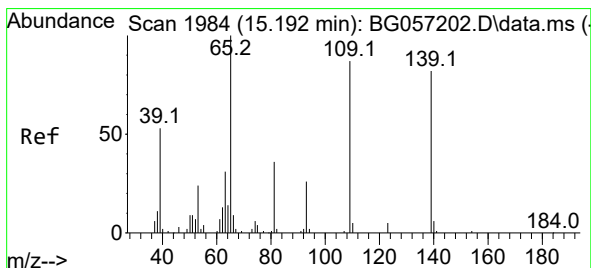
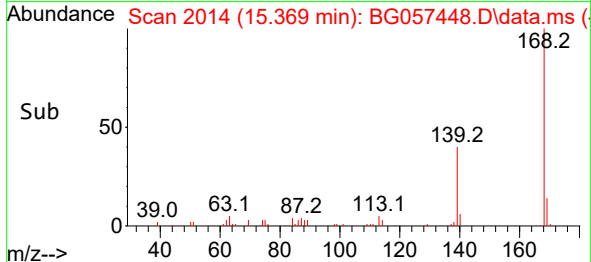
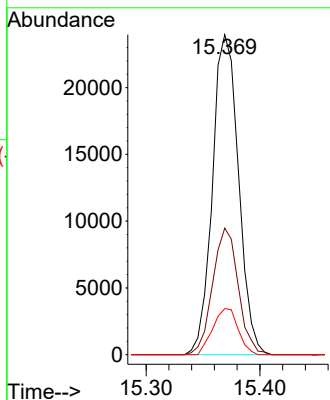
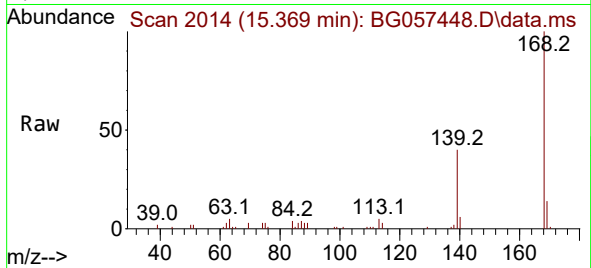




#55
Dibenzenofuran
Concen: 7.099 ng
RT: 15.369 min Scan# 2017
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

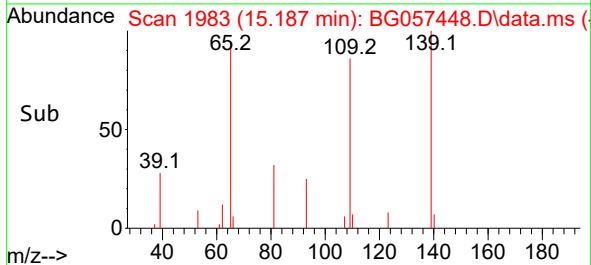
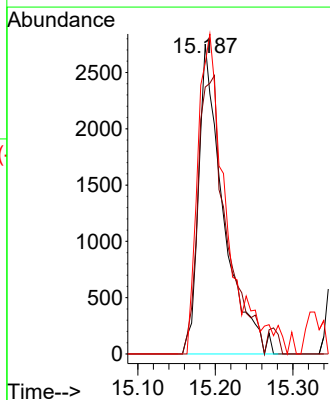
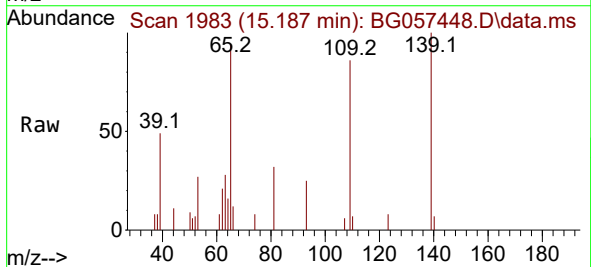
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

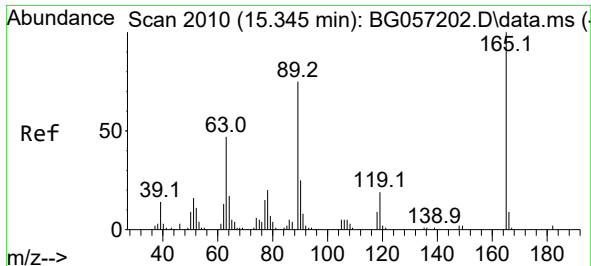
Tgt Ion:168 Resp: 38143
Ion Ratio Lower Upper
168 100
139 39.5 30.7 46.1
169 14.4 10.9 16.3



#56
4-Nitrophenol
Concen: 9.523 ng
RT: 15.187 min Scan# 1983
Delta R.T. 0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:139 Resp: 6077
Ion Ratio Lower Upper
139 100
109 86.1 86.6 126.6#
65 93.9 102.6 142.6#





#57

2,4-Dinitrotoluene

Concen: 7.141 ng

RT: 15.328 min Scan# 20

Delta R.T. -0.008 min

Lab File: BG057448.D

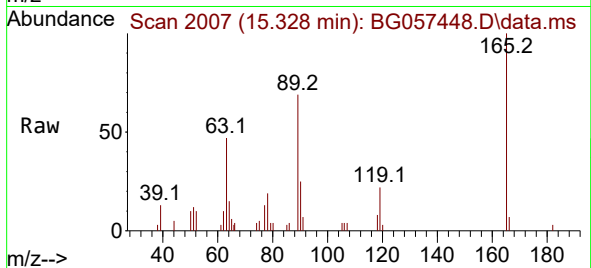
Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 9774

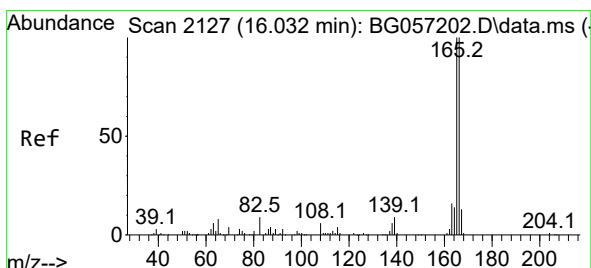
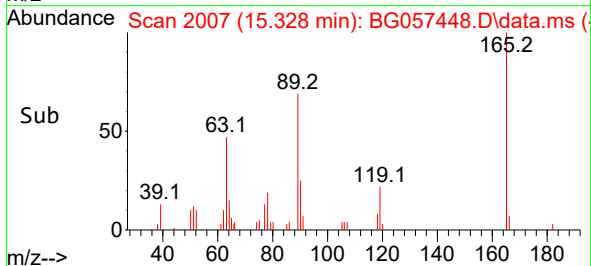
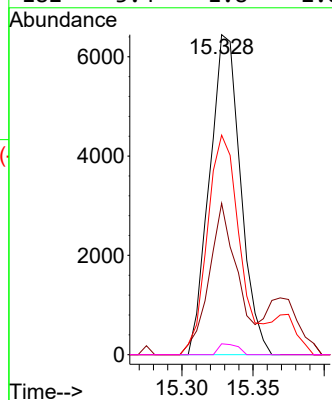
Ion Ratio Lower Upper

165 100

63 47.3 37.5 56.3

89 68.6 60.2 90.4

182 3.4 1.8 2.8#



#58

Fluorene

Concen: 7.316 ng

RT: 16.015 min Scan# 2124

Delta R.T. -0.008 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

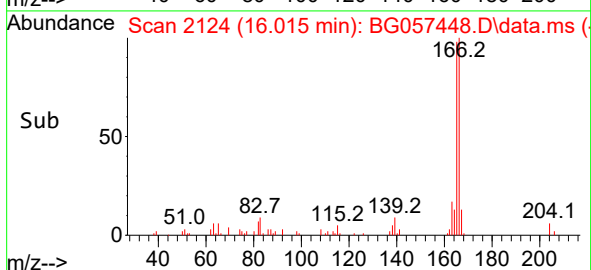
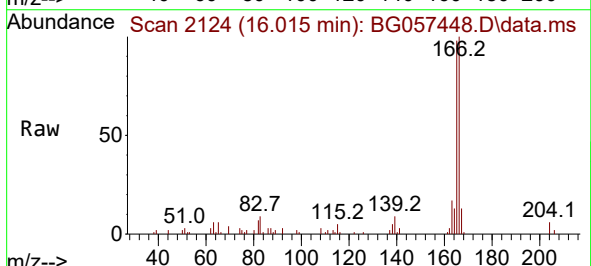
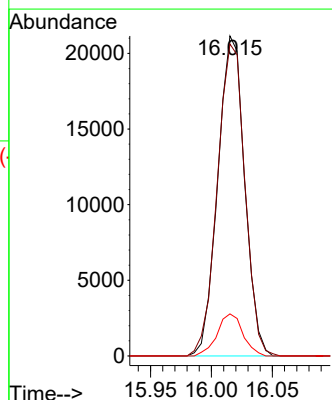
Tgt Ion:166 Resp: 32377

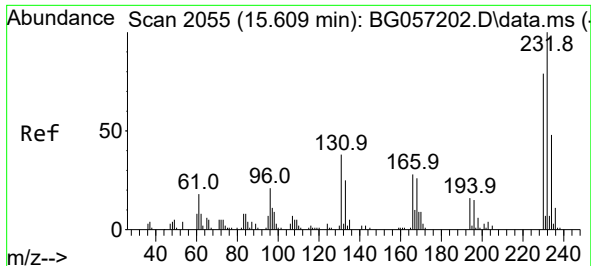
Ion Ratio Lower Upper

166 100

165 97.5 80.1 120.1

167 13.1 10.2 15.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 6.787 ng

RT: 15.598 min Scan# 2053

Delta R.T. -0.003 min

Lab File: BG057448.D

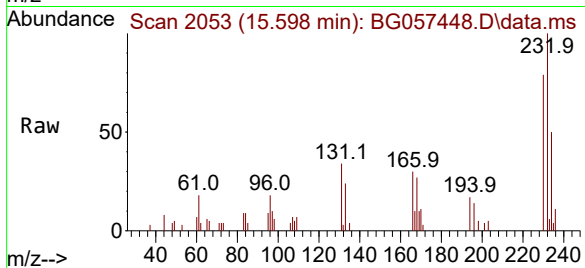
Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:232 Resp: 8936

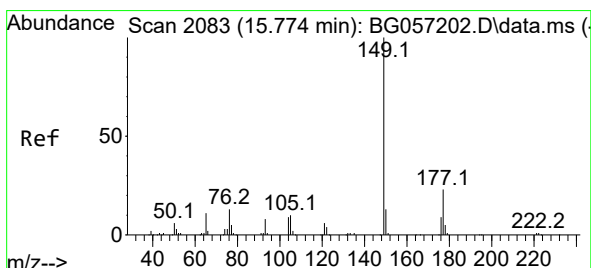
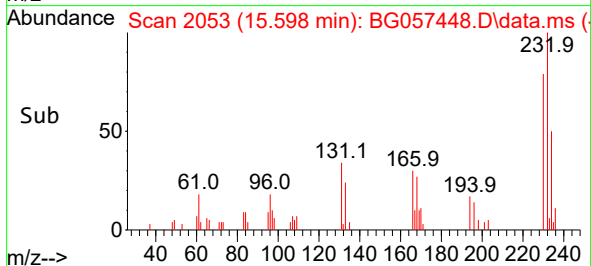
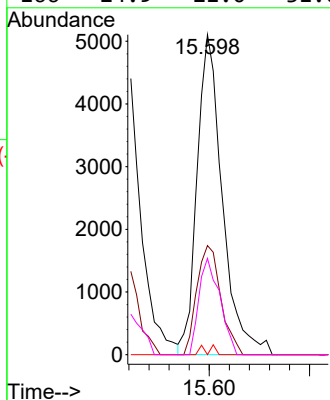
Ion Ratio Lower Upper

232 100

131 32.4 28.6 42.8

130 1.2 1.6 2.4#

166 24.9 21.0 31.6



#60

Diethylphthalate

Concen: 6.807 ng

RT: 15.757 min Scan# 2080

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

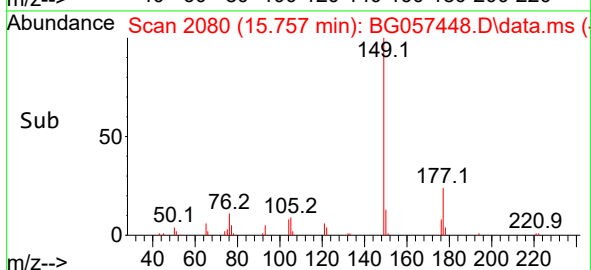
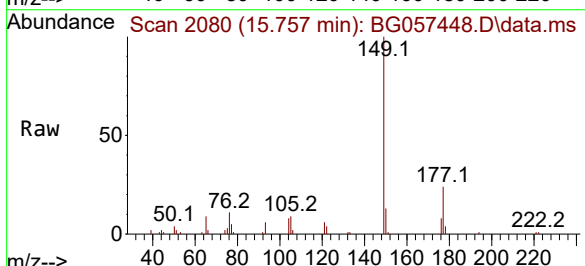
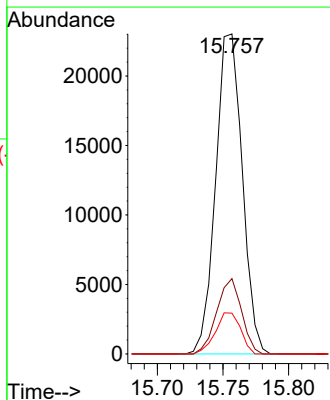
Tgt Ion:149 Resp: 32425

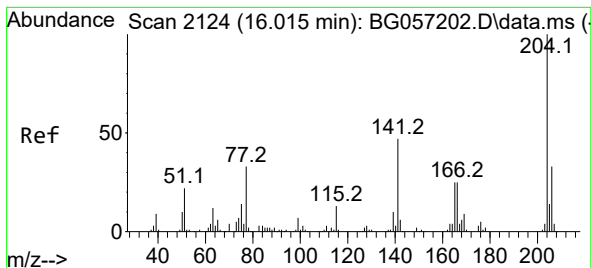
Ion Ratio Lower Upper

149 100

177 23.5 18.3 27.5

150 12.8 10.1 15.1

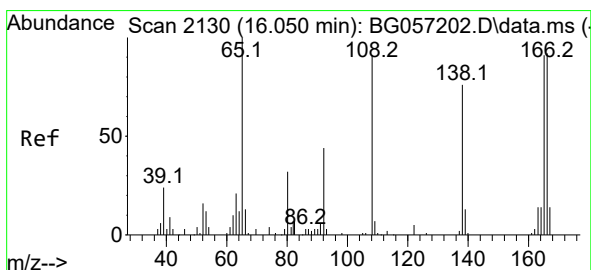
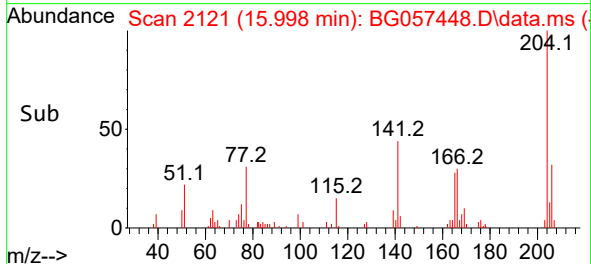
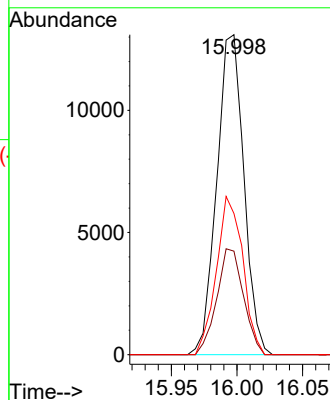
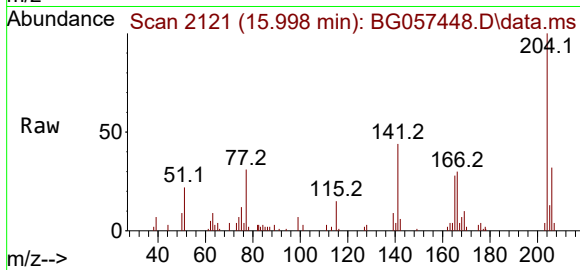




#61
4-Chlorophenyl-phenylether
Concen: 7.044 ng
RT: 15.998 min Scan# 2121
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

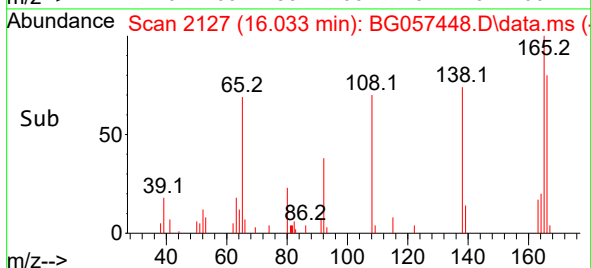
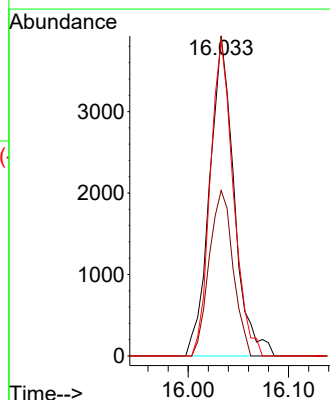
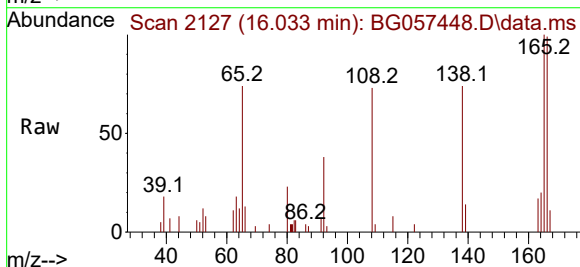
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

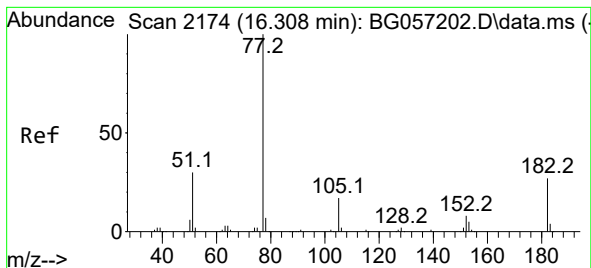
Tgt Ion:204 Resp: 18780
Ion Ratio Lower Upper
204 100
206 32.4 26.5 39.7
141 44.1 37.4 56.0



#62
4-Nitroaniline
Concen: 6.872 ng
RT: 16.033 min Scan# 2127
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:138 Resp: 6652
Ion Ratio Lower Upper
138 100
92 51.7 38.2 78.2
108 98.9 99.6 139.6#





#63

Azobenzene

Concen: 6.387 ng

RT: 16.291 min Scan# 2174

Delta R.T. -0.003 min

Lab File: BG057448.D

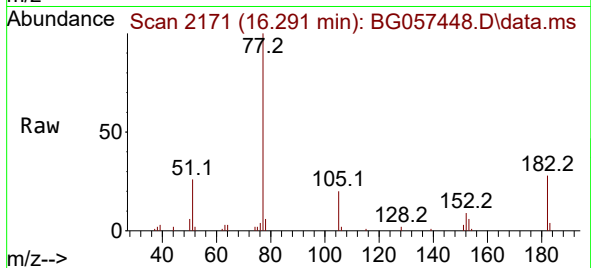
Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



Tgt Ion: 77 Resp: 29355

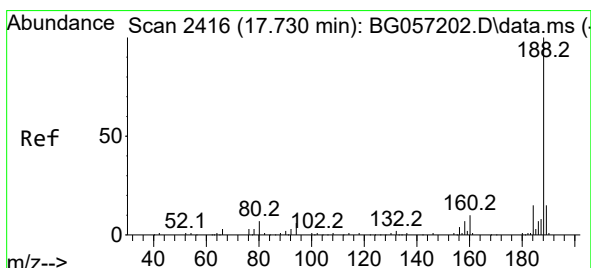
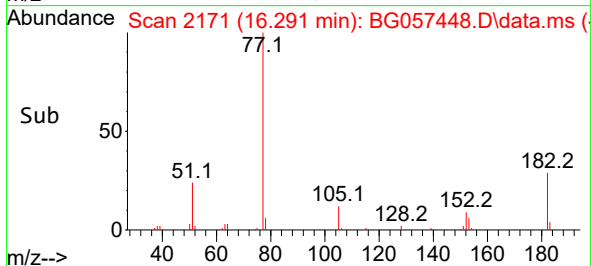
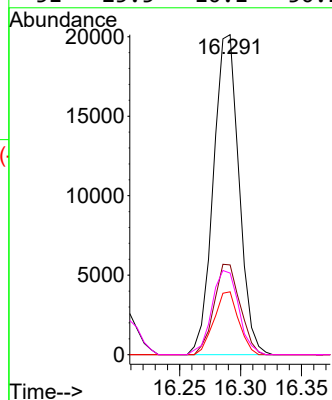
Ion Ratio Lower Upper

77 100

182 28.1 7.4 47.4

105 19.6 0.0 37.2

51 25.5 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: BG057448.D

Acq: 17 May 2023 17:25

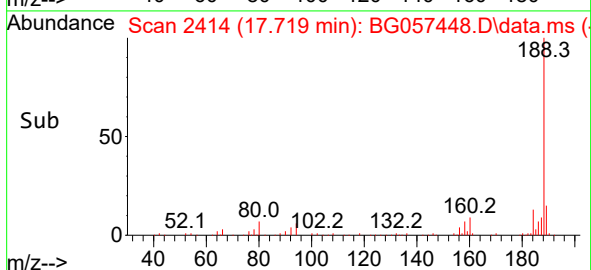
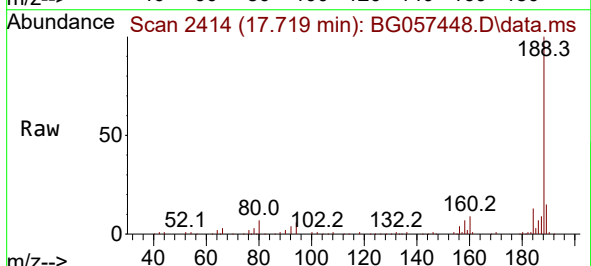
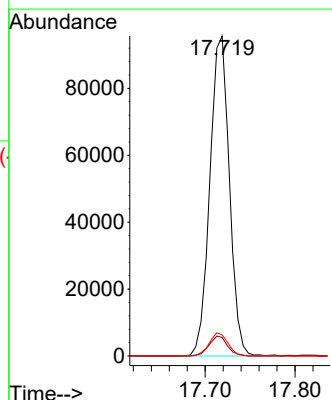
Tgt Ion:188 Resp: 144166

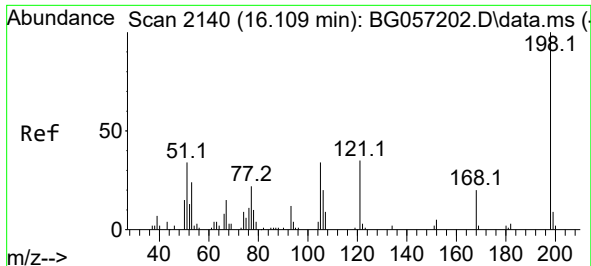
Ion Ratio Lower Upper

188 100

94 5.8 5.1 7.7

80 6.6 5.7 8.5

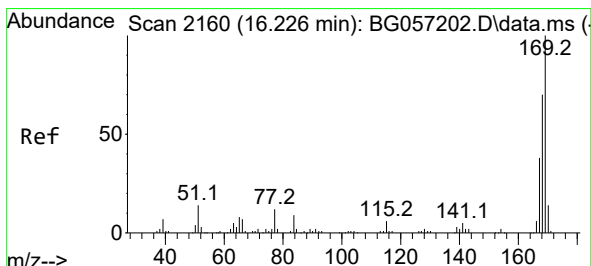
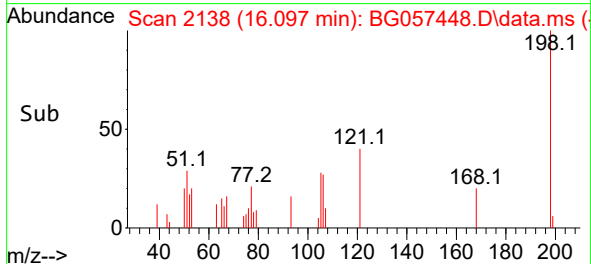
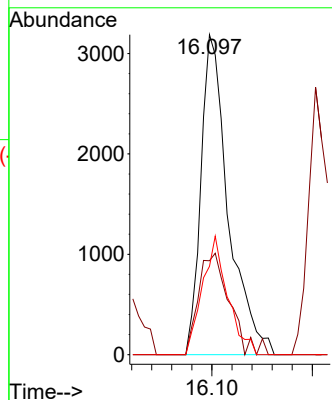
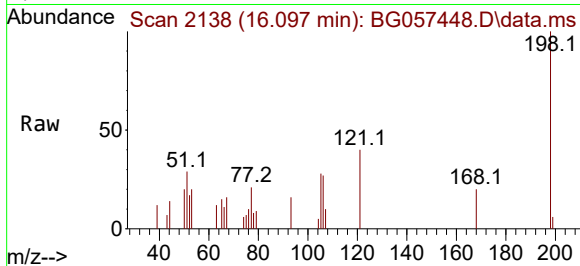




#65
4,6-Dinitro-2-methylphenol
Concen: 7.012 ng
RT: 16.097 min Scan# 2138
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

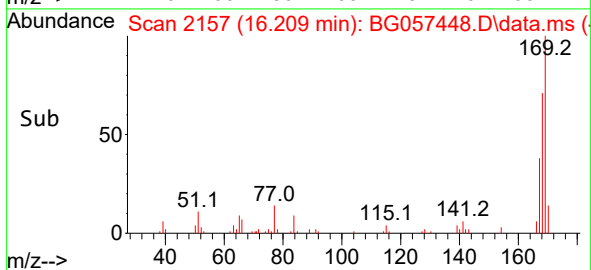
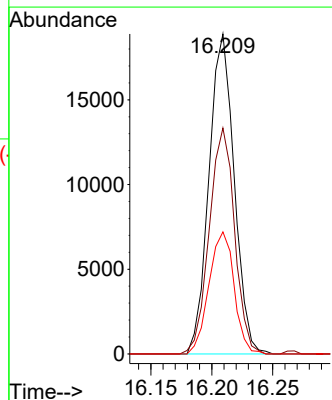
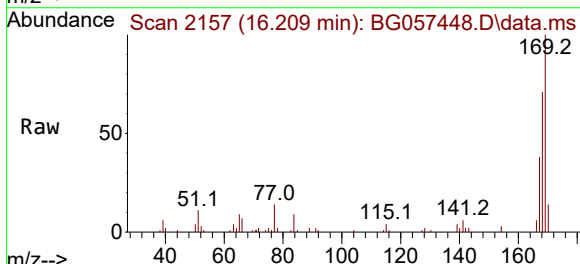
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:198 Resp: 6035
Ion Ratio Lower Upper
198 100
51 29.3 16.1 56.1
105 27.6 14.0 54.0



#66
n-Nitrosodiphenylamine
Concen: 6.932 ng
RT: 16.209 min Scan# 2157
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:169 Resp: 27144
Ion Ratio Lower Upper
169 100
168 70.6 56.2 84.4
167 38.1 30.2 45.4

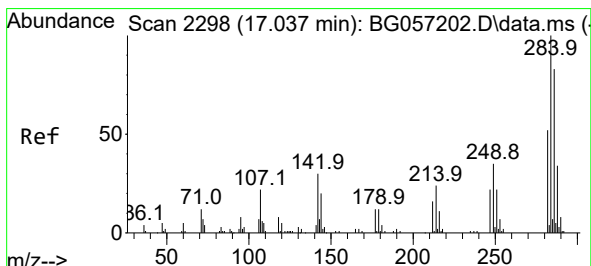
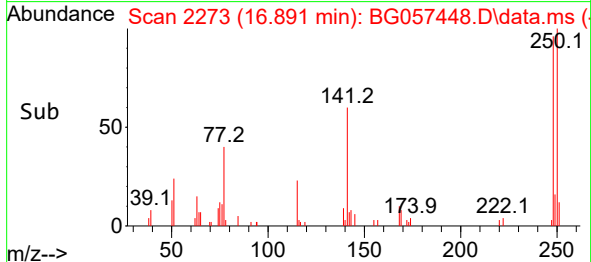
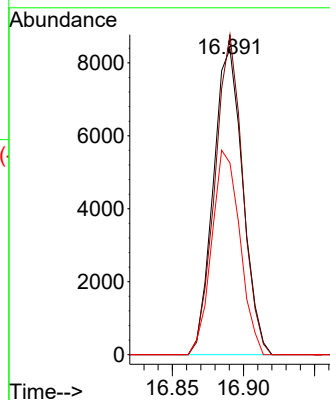
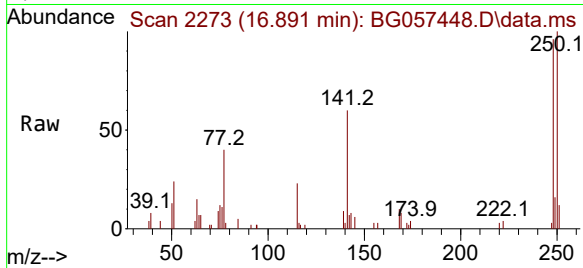




#67
4-Bromophenyl-phenylether
Concen: 6.894 ng
RT: 16.891 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

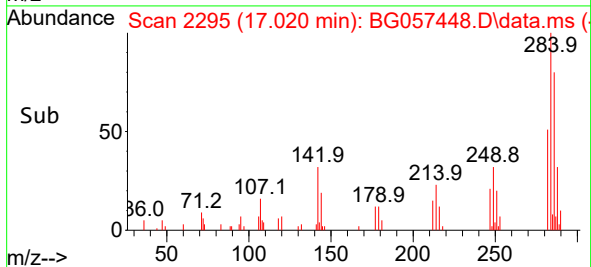
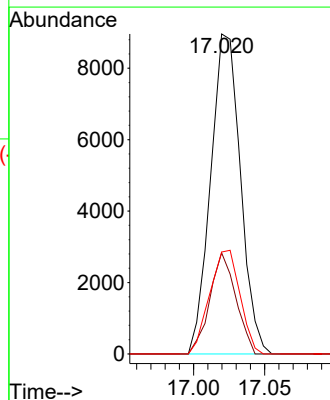
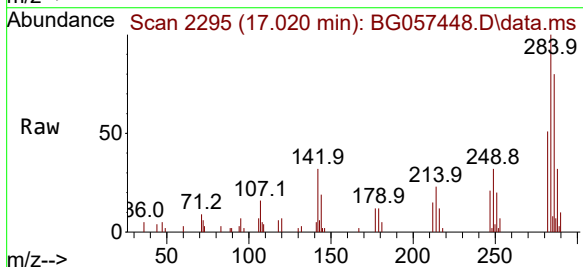
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

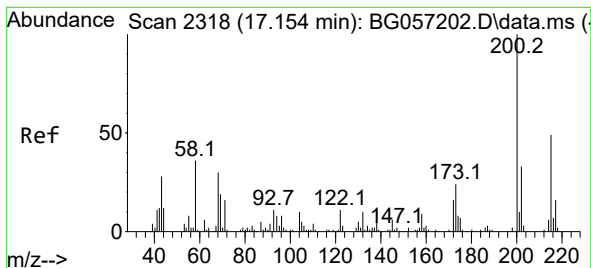
Tgt Ion:248 Resp: 12133
Ion Ratio Lower Upper
248 100
250 104.6 77.0 115.6
141 62.7 48.6 72.8



#68
Hexachlorobenzene
Concen: 7.644 ng
RT: 17.020 min Scan# 2295
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:284 Resp: 13073
Ion Ratio Lower Upper
284 100
142 31.6 23.9 35.9
249 31.9 27.7 41.5





#69

Atrazine

Concen: 7.890 ng

RT: 17.137 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

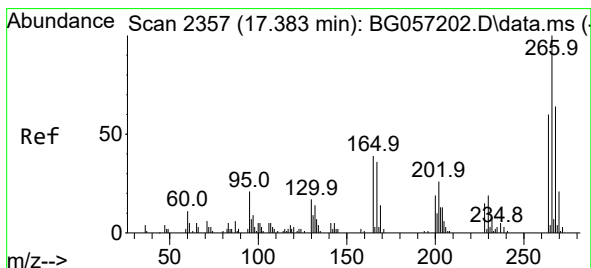
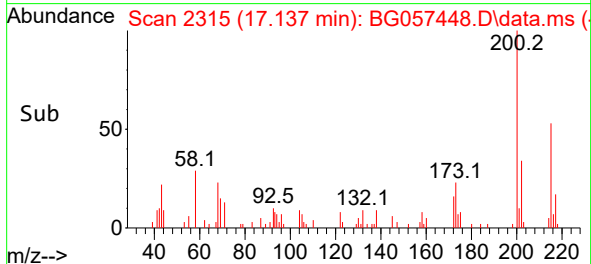
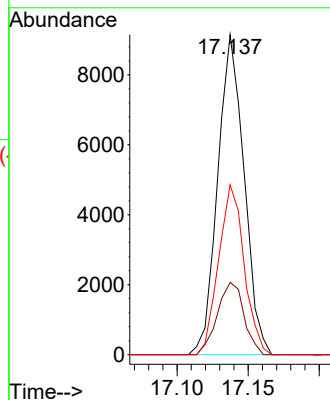
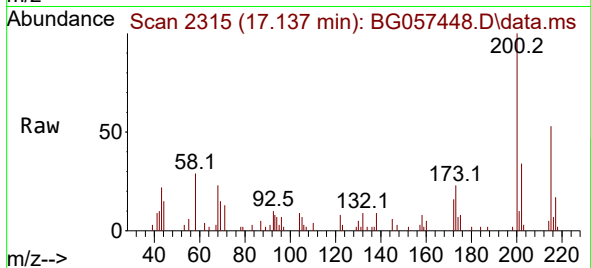
Tgt Ion:200 Resp: 11785

Ion Ratio Lower Upper

200 100

173 22.6 4.3 44.3

215 53.1 29.3 69.3



#70

Pentachlorophenol

Concen: 6.584 ng

RT: 17.372 min Scan# 2355

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

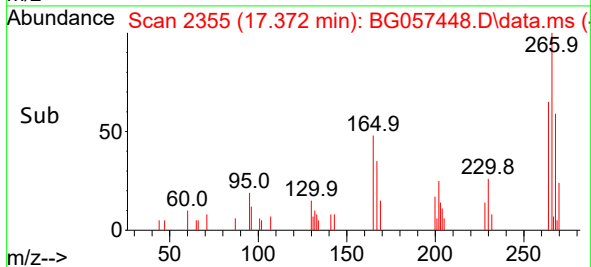
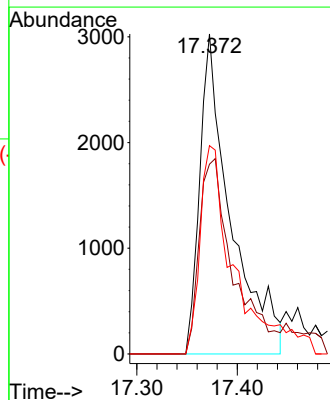
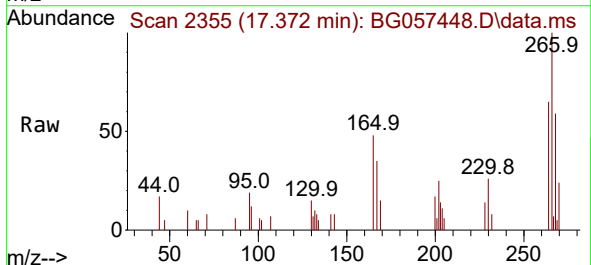
Tgt Ion:266 Resp: 6489

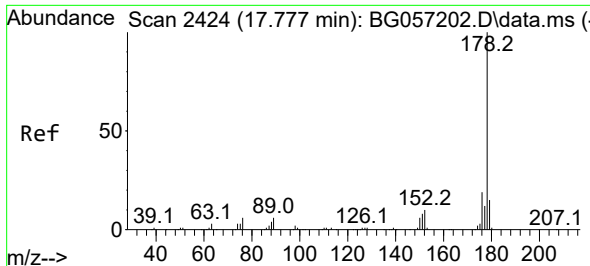
Ion Ratio Lower Upper

266 100

268 59.3 51.0 76.6

264 65.1 47.8 71.6

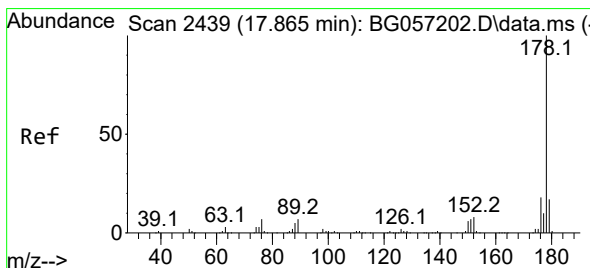
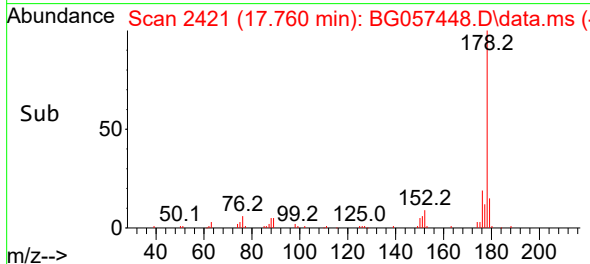
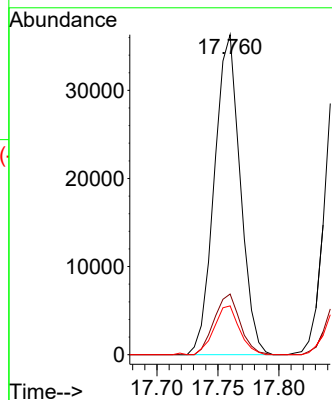
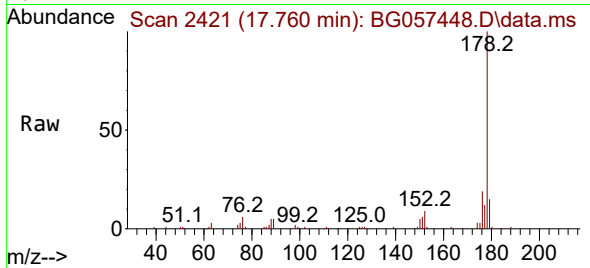




#71
Phenanthrene
Concen: 7.245 ng
RT: 17.760 min Scan# 2424
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

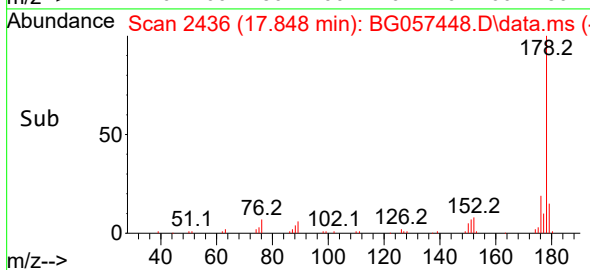
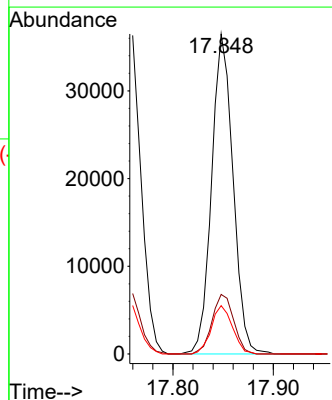
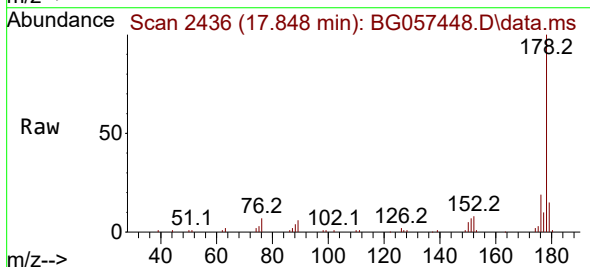
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

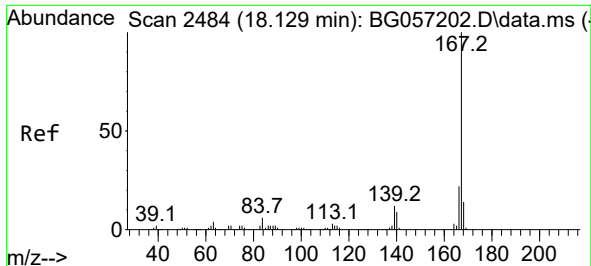
Tgt Ion:178 Resp: 53524
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.2 12.3 18.5



#72
Anthracene
Concen: 7.139 ng
RT: 17.848 min Scan# 2436
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:178 Resp: 54114
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.1 13.2 19.8

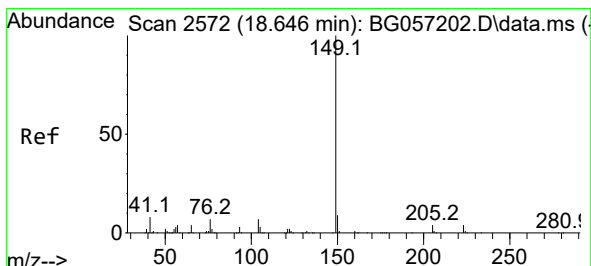
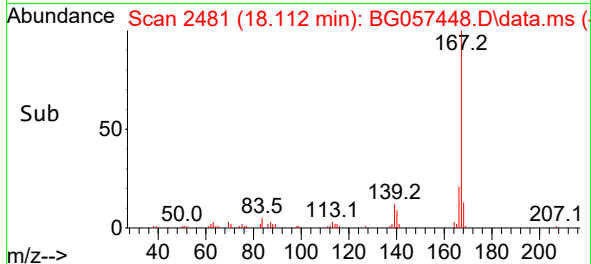
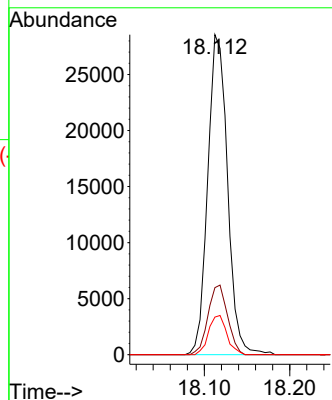
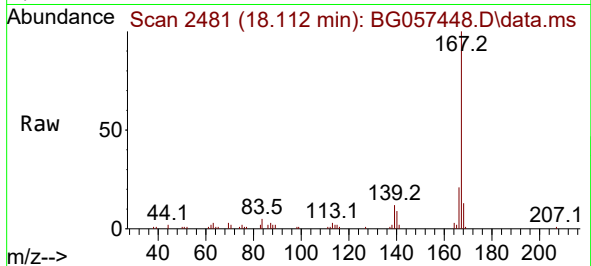




#73
 Carbazole
 Concen: 7.216 ng
 RT: 18.112 min Scan# 2484
 Delta R.T. -0.008 min
 Lab File: BG057448.D
 Acq: 17 May 2023 17:25

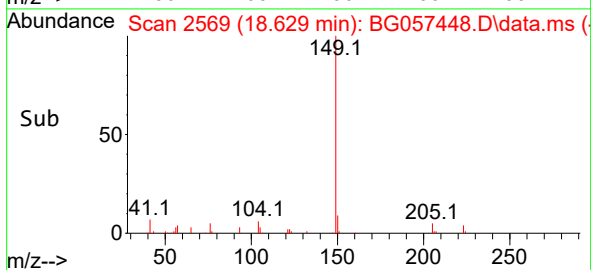
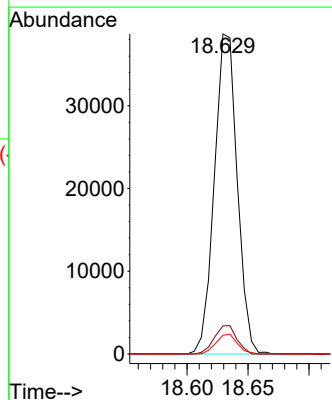
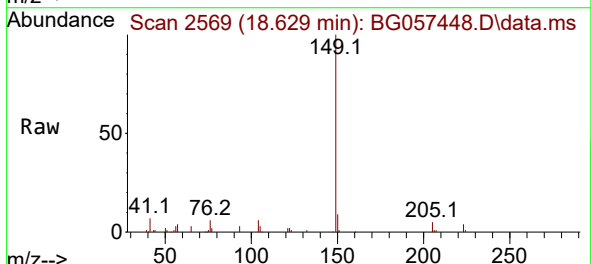
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

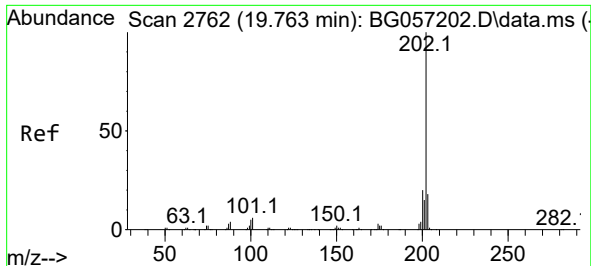
Tgt Ion:167 Resp: 46047
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.4 26.0
 139 11.8 9.6 14.4



#74
 Di-n-butylphthalate
 Concen: 6.874 ng
 RT: 18.629 min Scan# 2569
 Delta R.T. -0.008 min
 Lab File: BG057448.D
 Acq: 17 May 2023 17:25

Tgt Ion:149 Resp: 50473
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.3 10.9
 104 5.8 5.4 8.2

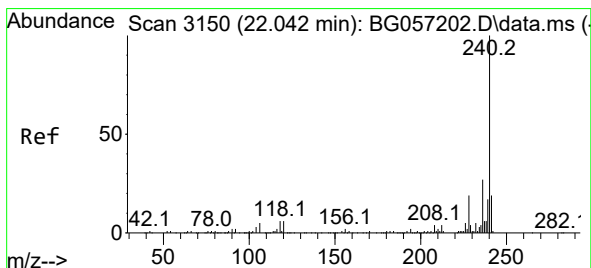
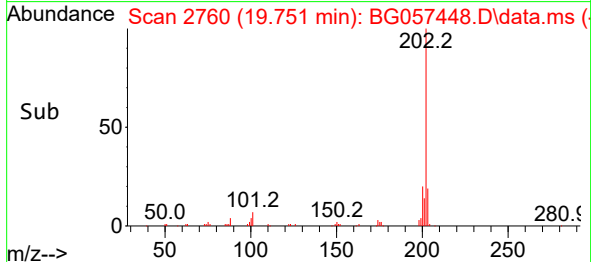
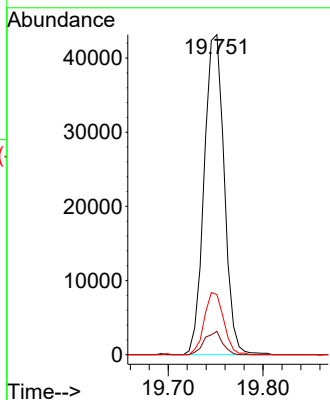
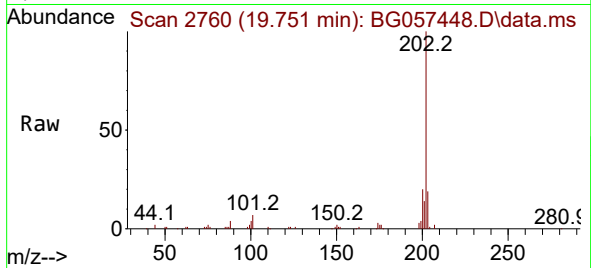




#75
Fluoranthene
Concen: 6.898 ng
RT: 19.751 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

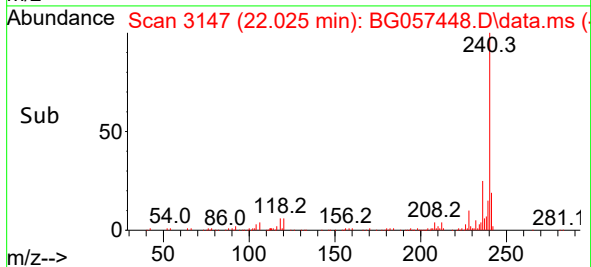
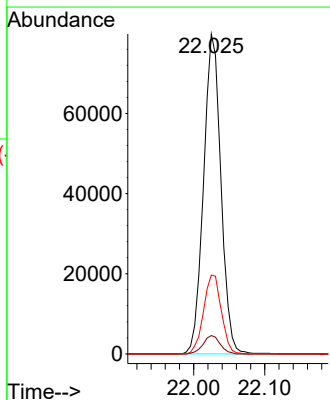
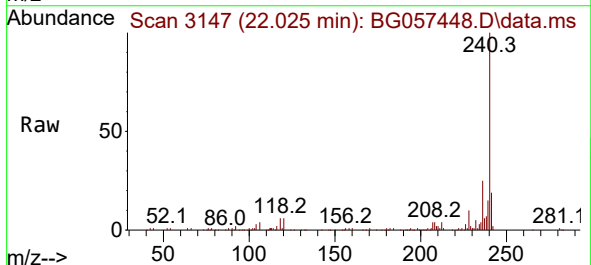
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

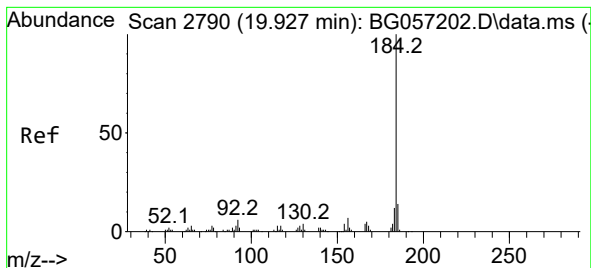
Tgt Ion:202 Resp: 63374
Ion Ratio Lower Upper
202 100
101 7.3 0.0 26.2
203 18.8 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.025 min Scan# 3147
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:240 Resp: 135712
Ion Ratio Lower Upper
240 100
120 5.8 4.9 7.3
236 24.7 21.4 32.2





#77

Benzidine

Concen: 9.855 ng

RT: 19.916 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

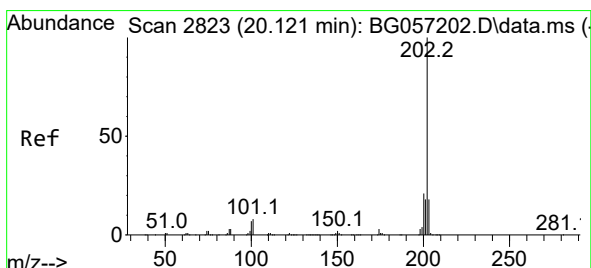
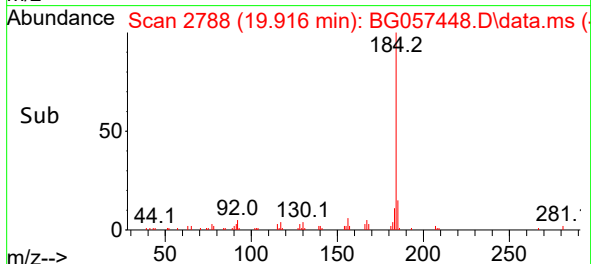
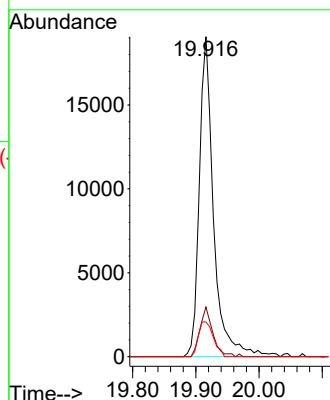
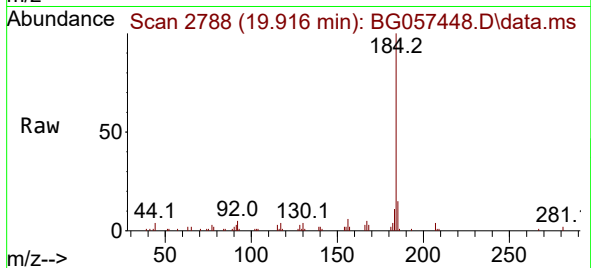
Tgt Ion:184 Resp: 29899

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

183 10.8 9.9 14.9



#78

Pyrene

Concen: 6.694 ng

RT: 20.110 min Scan# 2821

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

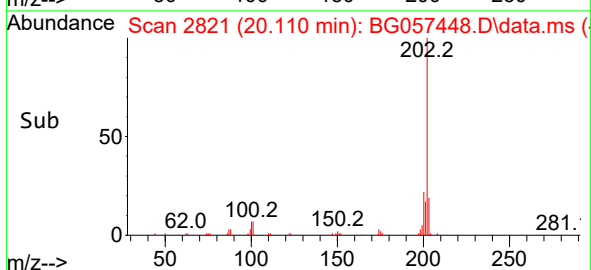
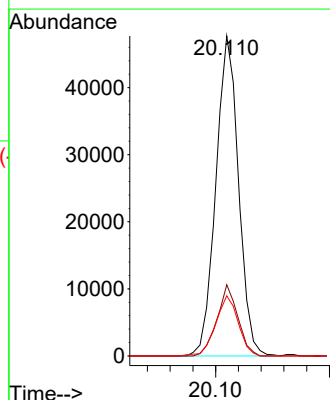
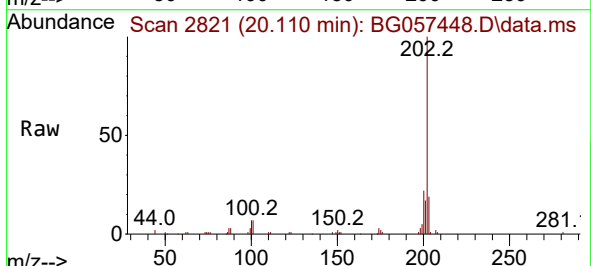
Tgt Ion:202 Resp: 66018

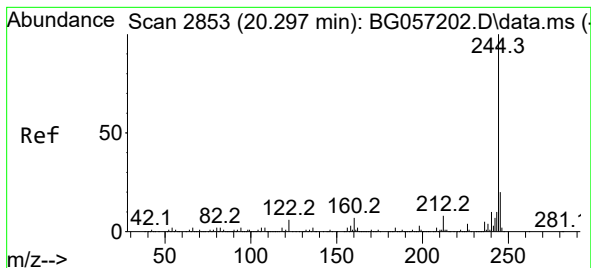
Ion Ratio Lower Upper

202 100

200 22.2 17.0 25.4

203 18.8 14.2 21.4





#79

Terphenyl-d14

Concen: 56.750 ng

RT: 20.286 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

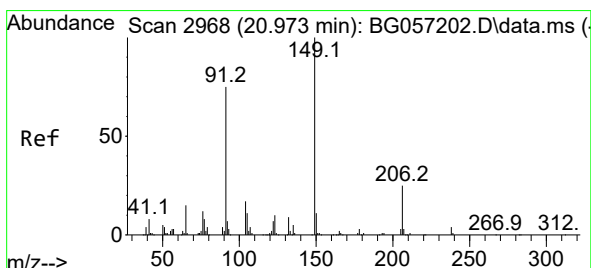
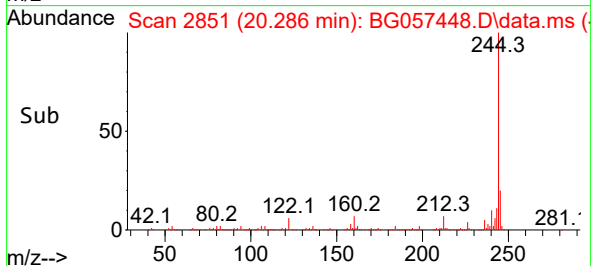
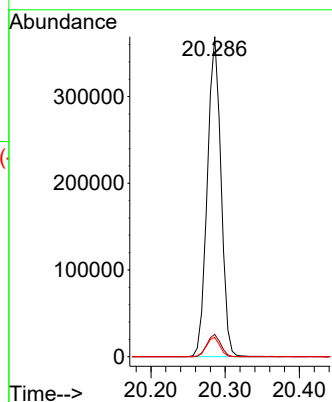
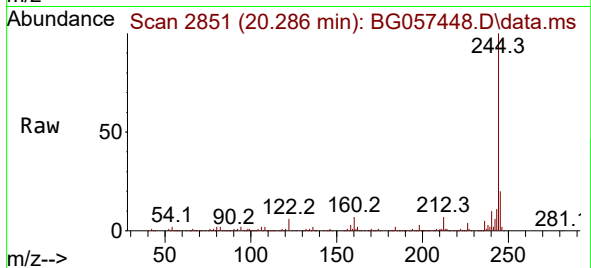
Tgt Ion:244 Resp: 471939

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 6.0 5.1 7.7



#80

Butylbenzylphthalate

Concen: 6.798 ng

RT: 20.961 min Scan# 2966

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

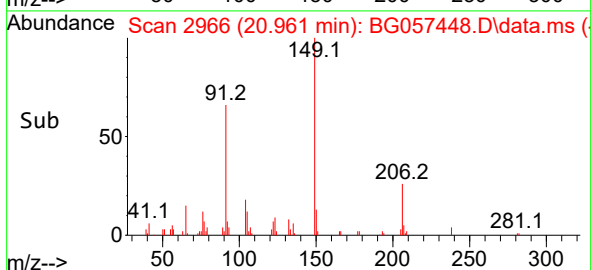
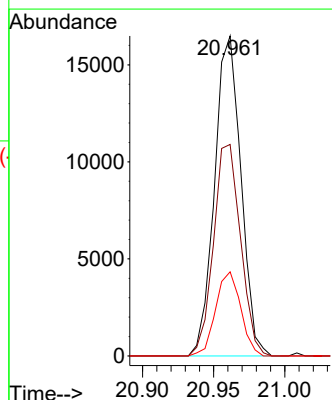
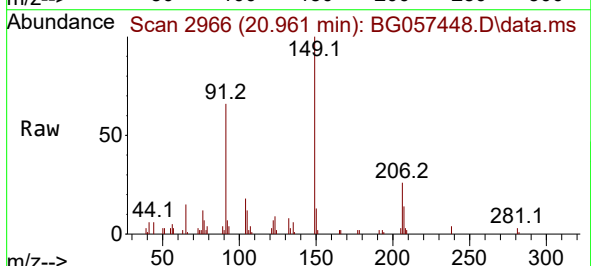
Tgt Ion:149 Resp: 21270

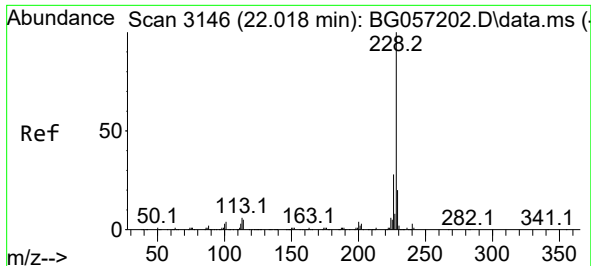
Ion Ratio Lower Upper

149 100

91 66.1 59.7 89.5

206 26.3 19.7 29.5

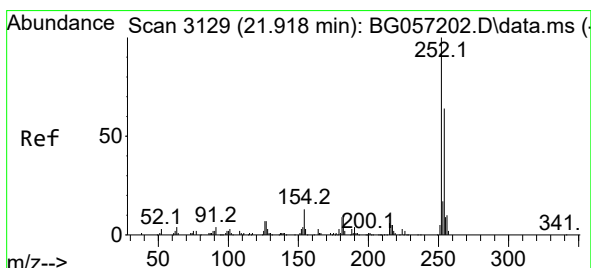
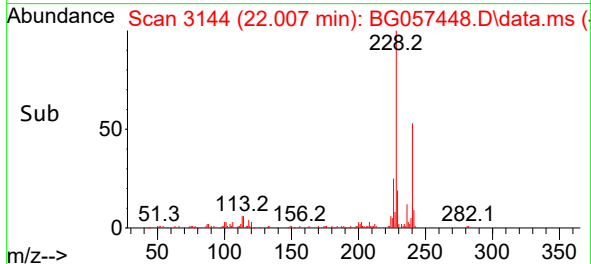
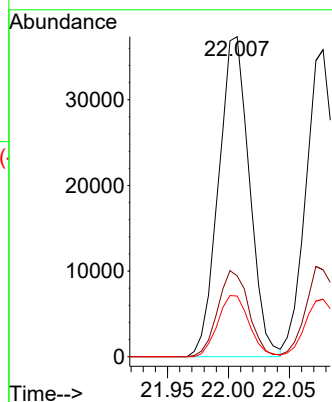
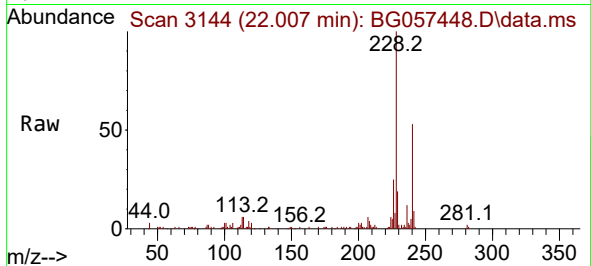




#81
Benzo(a)anthracene
Concen: 6.817 ng
RT: 22.007 min Scan# 3146
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

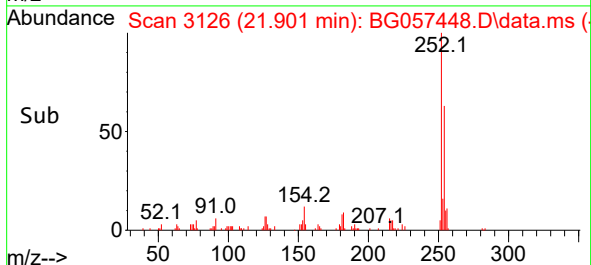
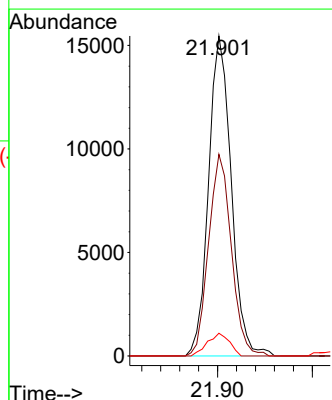
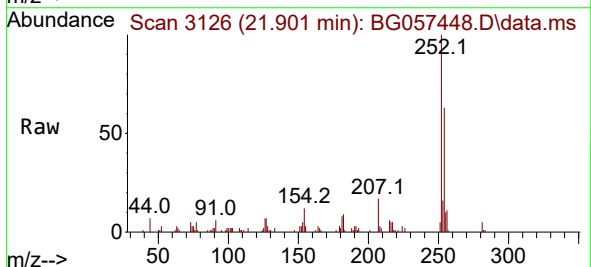
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

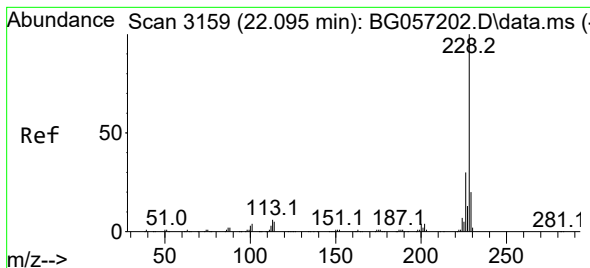
Tgt Ion:228 Resp: 65912
Ion Ratio Lower Upper
228 100
226 25.3 22.0 33.0
229 18.9 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 8.286 ng
RT: 21.901 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:252 Resp: 25663
Ion Ratio Lower Upper
252 100
254 63.0 51.4 77.0
126 7.1 5.9 8.9





#83

Chrysene

Concen: 6.699 ng

RT: 22.078 min Scan# 3117

Delta R.T. -0.003 min

Lab File: BG057448.D

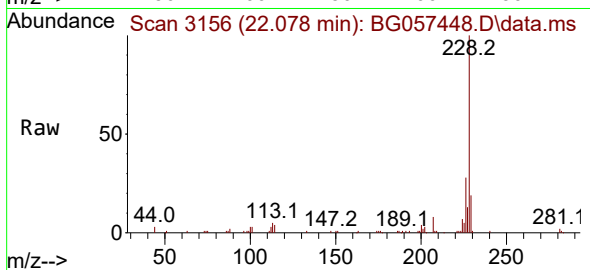
Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



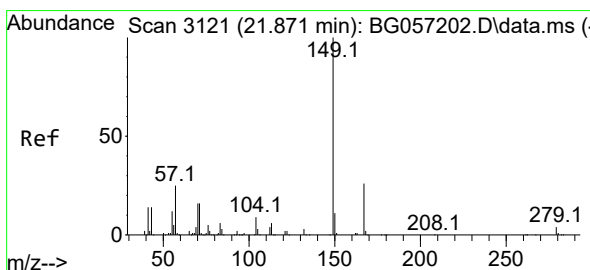
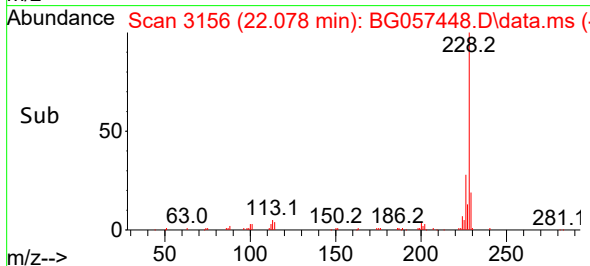
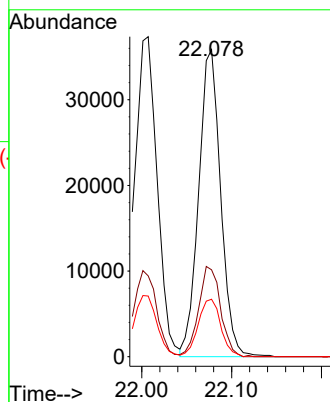
Tgt Ion:228 Resp: 60946

Ion Ratio Lower Upper

228 100

226 28.3 24.3 36.5

229 18.7 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.589 ng

RT: 21.849 min Scan# 3117

Delta R.T. -0.008 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

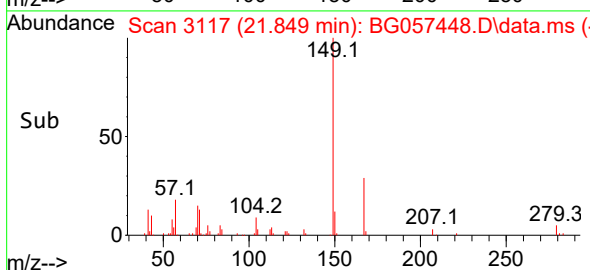
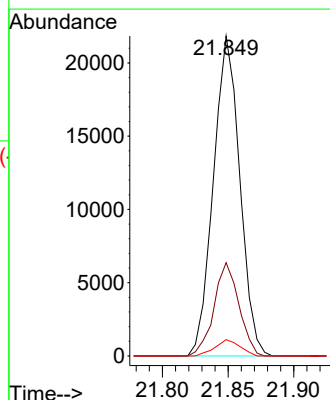
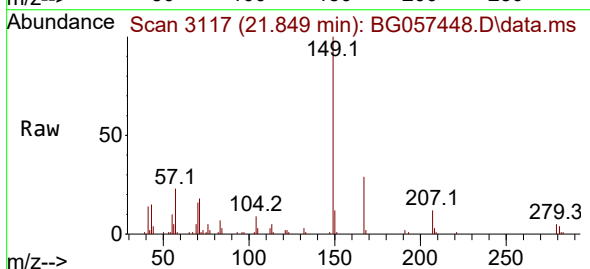
Tgt Ion:149 Resp: 30506

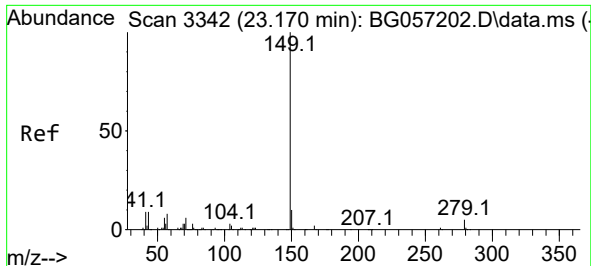
Ion Ratio Lower Upper

149 100

167 29.1 21.2 31.8

279 5.1 3.5 5.3

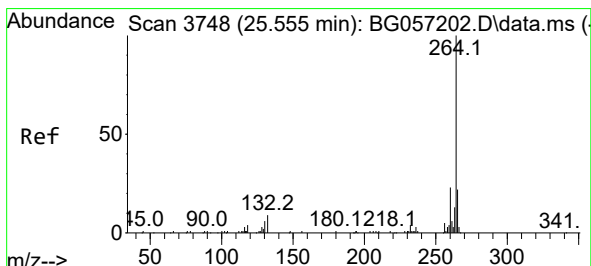
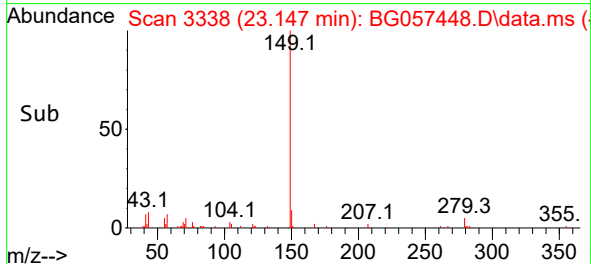
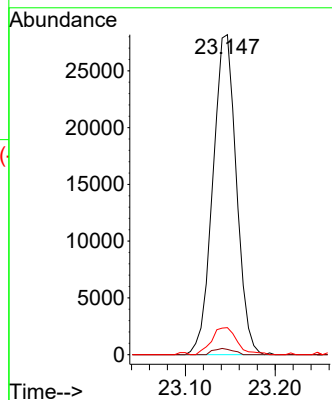
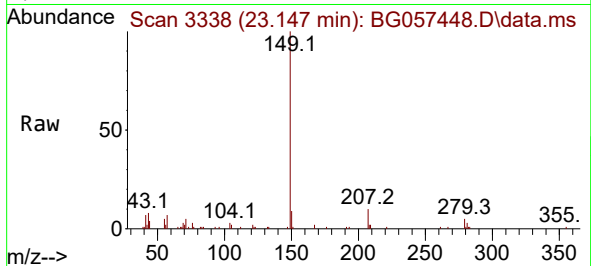




#85
Di-n-octyl phthalate
Concen: 6.632 ng
RT: 23.147 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

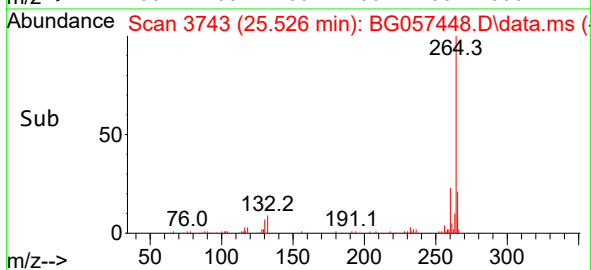
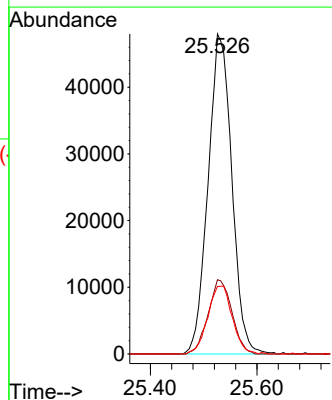
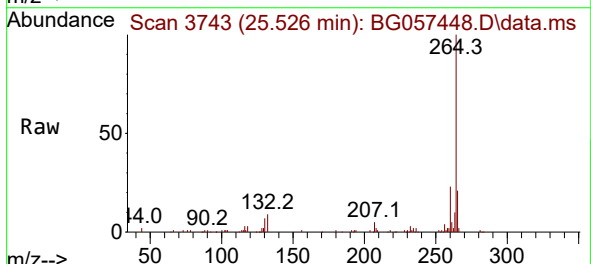
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

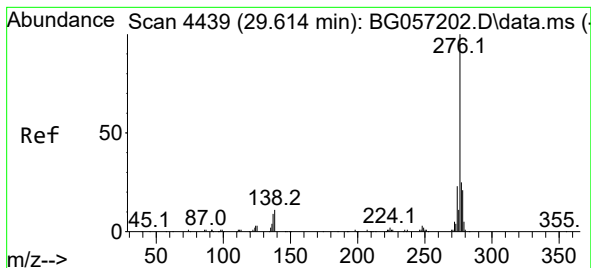
Tgt Ion:149 Resp: 51186
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.2 7.8 11.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.526 min Scan# 3743
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:264 Resp: 148221
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 21.1 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.557 ng

RT: 29.567 min Scan# 4431

Delta R.T. -0.032 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

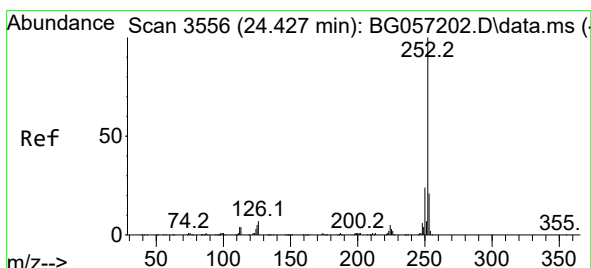
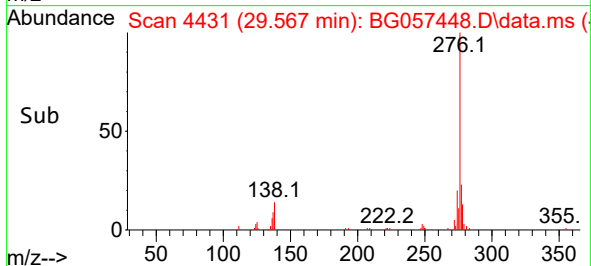
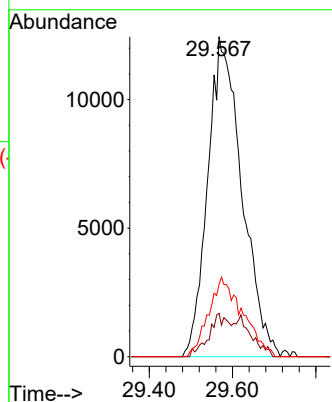
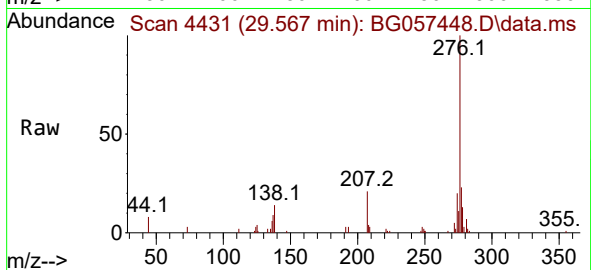
Tgt Ion:276 Resp: 70830

Ion Ratio Lower Upper

276 100

138 5.2 5.4 8.0#

277 24.8 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 6.877 ng

RT: 24.404 min Scan# 3552

Delta R.T. -0.008 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

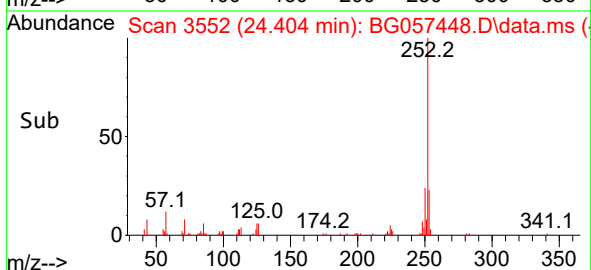
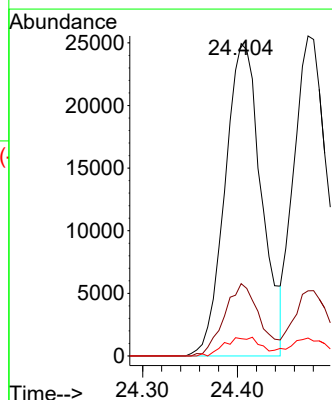
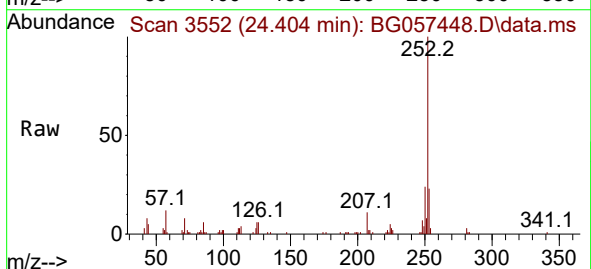
Tgt Ion:252 Resp: 66636

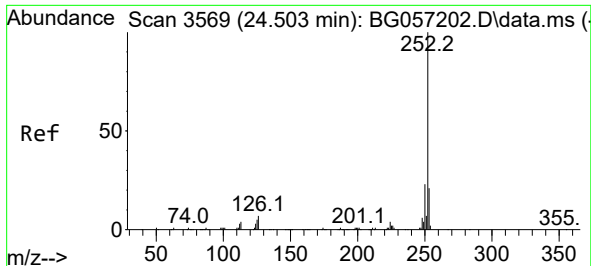
Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

125 5.6 4.2 6.2

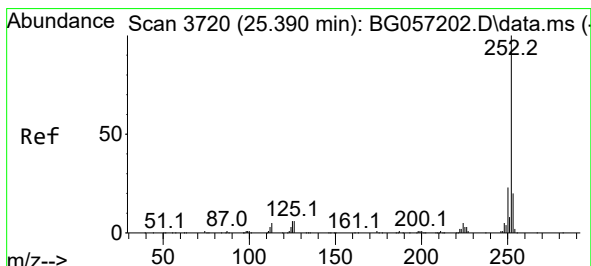
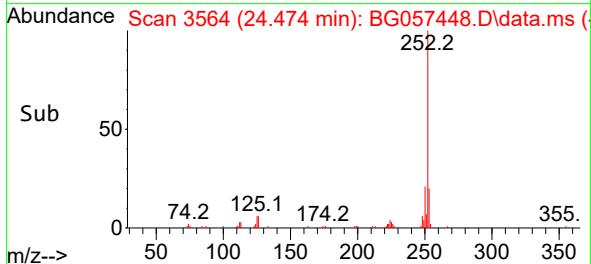
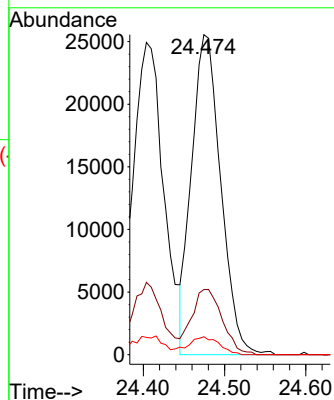
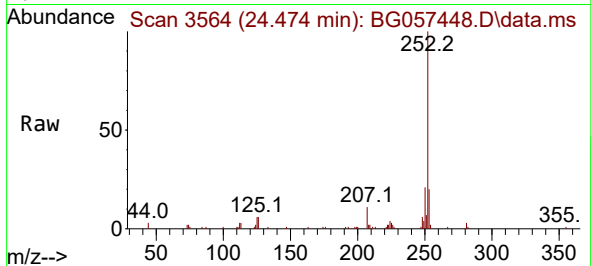




#89
Benzo(k)fluoranthene
Concen: 6.478 ng
RT: 24.474 min Scan# 311
Delta R.T. -0.014 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

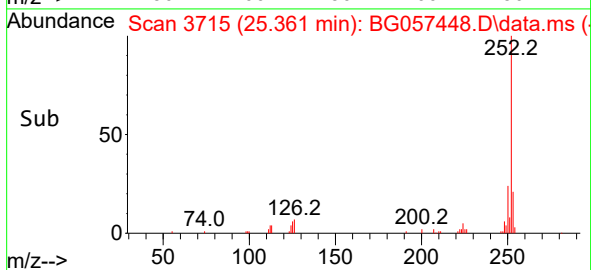
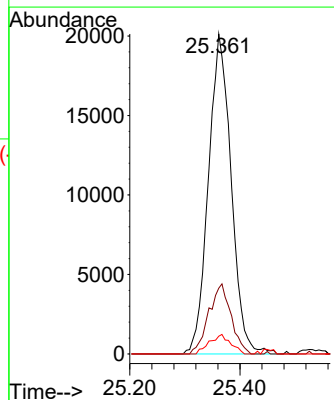
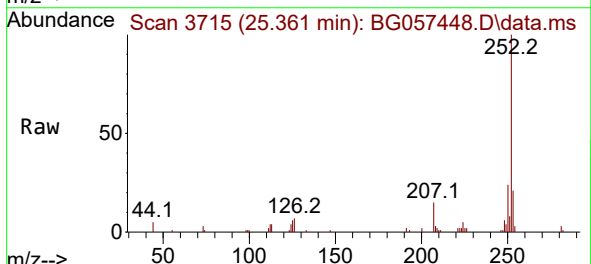
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

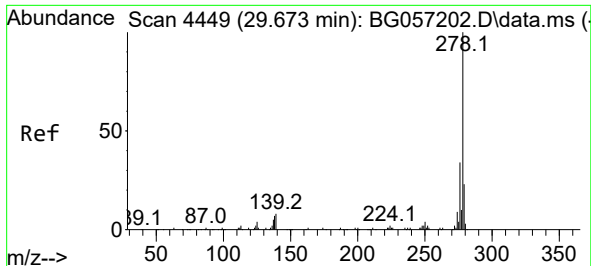
Tgt Ion:252 Resp: 63777
Ion Ratio Lower Upper
252 100
253 20.4 17.4 26.0
125 5.6 4.1 6.1



#90
Benzo(a)pyrene
Concen: 6.107 ng
RT: 25.361 min Scan# 3715
Delta R.T. -0.014 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:252 Resp: 57811
Ion Ratio Lower Upper
252 100
253 20.6 16.3 24.5
125 5.6 5.0 7.4

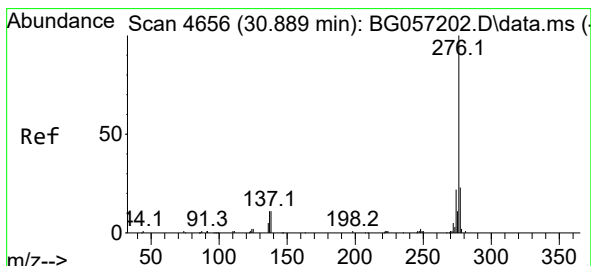
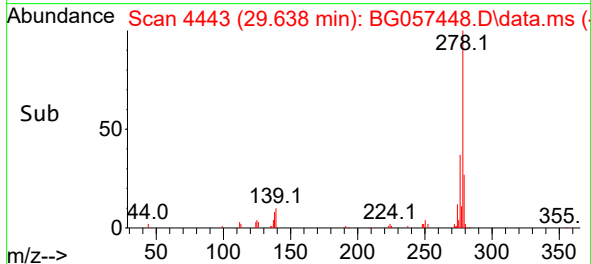
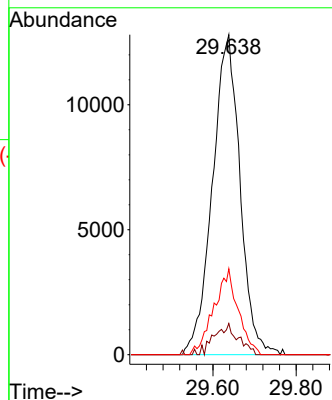
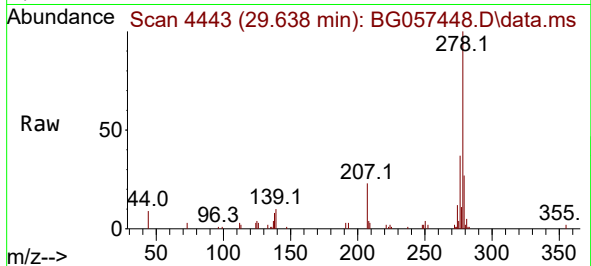




#91
Dibenzo(a,h)anthracene
Concen: 6.544 ng
RT: 29.638 min Scan# 4443
Delta R.T. -0.014 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

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

Tgt Ion:278 Resp: 58876
Ion Ratio Lower Upper
278 100
139 9.7 6.2 9.2#
279 26.9 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 6.577 ng
RT: 30.854 min Scan# 4650
Delta R.T. -0.020 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:276 Resp: 57775
Ion Ratio Lower Upper
276 100
277 23.3 18.4 27.6
138 13.7 9.0 13.4#

