

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057445.D
 Acq On : 17 May 2023 13:16
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 18 01:56:31 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	8.363	152	16597	20.000	ng	0.00
21) Naphthalene-d8	11.201	136	66507	20.000	ng	0.00
39) Acenaphthene-d10	14.978	164	53437	20.000	ng	0.00
64) Phenanthrene-d10	17.721	188	134910	20.000	ng	0.00
76) Chrysene-d12	22.027	240	124672	20.000	ng	0.00
86) Perylene-d12	25.540	264	131882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	99834	102.896	ng	0.00
7) Phenol-d6	7.500	99	151797	103.029	ng	0.00
23) Nitrobenzene-d5	9.538	82	114476	72.243	ng	0.00
42) 2,4,6-Tribromophenol	16.464	330	87167	114.963	ng	0.00
45) 2-Fluorobiphenyl	13.603	172	310749	78.320	ng	0.00
79) Terphenyl-d14	20.288	244	564885	73.942	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.681	88	1737	4.330	ng	97
3) Pyridine	4.116	79	5042	3.911	ng	95
4) n-Nitrosodimethylamine	4.016	42	2076	3.427	ng	# 97
6) Aniline	7.682	93	8365	4.475	ng	# 87
8) 2-Chlorophenol	7.923	128	4444	4.335	ng	92
9) Benzaldehyde	7.488	77	5182	Below Cal		91
10) Phenol	7.523	94	6640	4.623	ng	82
11) bis(2-Chloroethyl)ether	7.764	93	4879	4.505	ng	98
12) 1,3-Dichlorobenzene	8.252	146	5274	4.661	ng	# 89
13) 1,4-Dichlorobenzene	8.399	146	5306	4.668	ng	94
14) 1,2-Dichlorobenzene	8.722	146	4878	4.446	ng	96
15) Benzyl Alcohol	8.604	79	4355	3.548	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.880	45	5949	4.358	ng	93
17) 2-Methylphenol	8.804	107	4264	4.119	ng	96
18) Hexachloroethane	9.462	117	1936	4.720	ng	86
19) n-Nitroso-di-n-propyla...	9.156	70	4608	4.102	ng	# 94
20) 3+4-Methylphenols	9.133	107	6011	4.240	ng	87
22) Acetophenone	9.192	105	8406	4.416	ng	# 95
24) Nitrobenzene	9.585	77	6613	4.135	ng	90
25) Isophorone	10.102	82	11545	3.757	ng	98
26) 2-Nitrophenol	10.308	139	2623	4.285	ng	95
27) 2,4-Dimethylphenol	10.349	122	4763	4.443	ng	# 88
28) bis(2-Chloroethoxy)met...	10.584	93	6724	4.368	ng	# 96
29) 2,4-Dichlorophenol	10.854	162	5179	4.555	ng	82
30) 1,2,4-Trichlorobenzene	11.060	180	6231	4.751	ng	95
31) Naphthalene	11.254	128	16133	4.537	ng	95
32) Benzoic acid	10.349	122	4763	11.665	ng	# 14
33) 4-Chloroaniline	11.359	127	6730	4.215	ng	# 92
34) Hexachlorobutadiene	11.524	225	4593	4.720	ng	97
35) Caprolactam	12.111	113	1616	4.161	ng	# 54
36) 4-Chloro-3-methylphenol	12.452	107	6174	4.778	ng	95
37) 2-Methylnaphthalene	12.834	142	12639	4.521	ng	97
38) 1-Methylnaphthalene	13.045	142	12675	4.810	ng	97
40) 1,2,4,5-Tetrachloroben...	13.192	216	9261	4.882	ng	# 98
41) Hexachlorocyclopentadiene	13.169	237	488	6.788	ng	94
43) 2,4,6-Trichlorophenol	13.433	196	4961	4.292	ng	97

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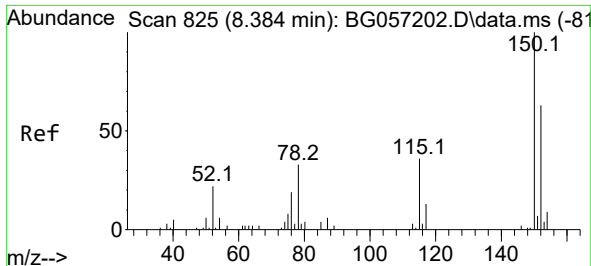
Quant Time: May 18 01:56:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.515	196	5735	4.218	ng	# 96
46) 1,1'-Biphenyl	13.815	154	19134	4.825	ng	95
47) 2-Chloronaphthalene	13.868	162	14470	4.907	ng	97
48) 2-Nitroaniline	14.067	65	3976	3.966	ng	97
49) Acenaphthylene	14.708	152	22569	4.711	ng	98
50) Dimethylphthalate	14.414	163	19025	4.333	ng	96
51) 2,6-Dinitrotoluene	14.543	165	4094	4.566	ng	93
52) Acenaphthene	15.043	154	14010	4.680	ng	90
53) 3-Nitroaniline	14.884	138	3550	3.952	ng	98
54) 2,4-Dinitrophenol	15.131	184	54	5.008	ng	# 18
55) Dibenzofuran	15.377	168	23214	4.616	ng	96
56) 4-Nitrophenol	15.213	139	1979	3.313	ng	# 75
57) 2,4-Dinitrotoluene	15.336	165	5475	4.273	ng	# 94
58) Fluorene	16.024	166	19605	4.732	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.606	232	5239	4.251	ng	# 95
60) Diethylphthalate	15.759	149	19247	4.316	ng	96
61) 4-Chlorophenyl-phenyle...	16.000	204	11459	4.591	ng	93
62) 4-Nitroaniline	16.041	138	3450	3.807	ng	92
63) Azobenzene	16.294	77	18051	4.195	ng	95
65) 4,6-Dinitro-2-methylph...	16.106	198	2265	2.812	ng	94
66) n-Nitrosodiphenylamine	16.212	169	16176	4.415	ng	95
67) 4-Bromophenyl-phenylether	16.893	248	7556	4.588	ng	92
68) Hexachlorobenzene	17.028	284	8261	5.162	ng	# 89
69) Atrazine	17.146	200	7240	5.180	ng	92
70) Pentachlorophenol	17.392	266	1370	1.485	ng	92
71) Phenanthrene	17.762	178	33218	4.805	ng	99
72) Anthracene	17.851	178	32201	4.540	ng	99
73) Carbazole	18.121	167	26577	4.451	ng	99
74) Di-n-butylphthalate	18.638	149	29054	4.229	ng	# 96
75) Fluoranthene	19.754	202	37608	4.374	ng	97
77) Benzidine	19.918	184	17291	6.204	ng	97
78) Pyrene	20.112	202	40012	4.417	ng	98
80) Butylbenzylphthalate	20.964	149	12443	4.329	ng	95
81) Benzo(a)anthracene	22.010	228	38670	4.354	ng	99
82) 3,3'-Dichlorobenzidine	21.904	252	15457	5.433	ng	99
83) Chrysene	22.080	228	37234	4.455	ng	98
84) Bis(2-ethylhexyl)phtha...	21.851	149	18266	4.295	ng	96
85) Di-n-octyl phthalate	23.149	149	30817	4.346	ng	98
87) Indeno(1,2,3-cd)pyrene	29.593	276	42172	4.388	ng	# 96
88) Benzo(b)fluoranthene	24.412	252	38929	4.516	ng	98
89) Benzo(k)fluoranthene	24.412	252	38929	4.444	ng	99
90) Benzo(a)pyrene	25.370	252	33773	4.010	ng	# 99
91) Dibenzo(a,h)anthracene	29.640	278	35573	4.444	ng	# 91
92) Benzo(g,h,i)perylene	30.862	276	34738	4.445	ng	94

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

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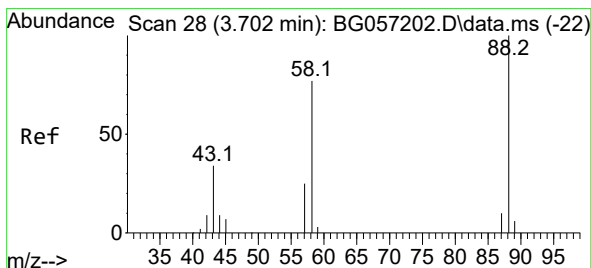
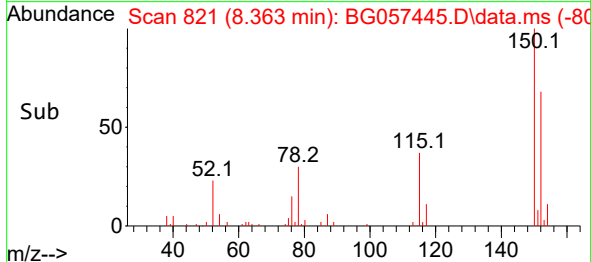
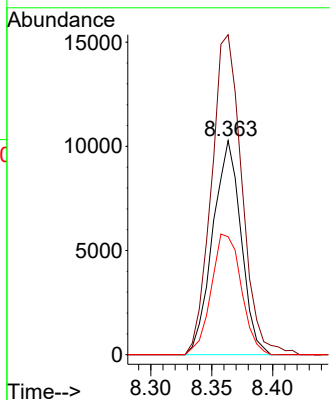
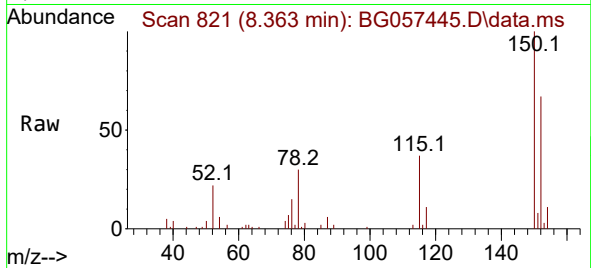
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.363 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

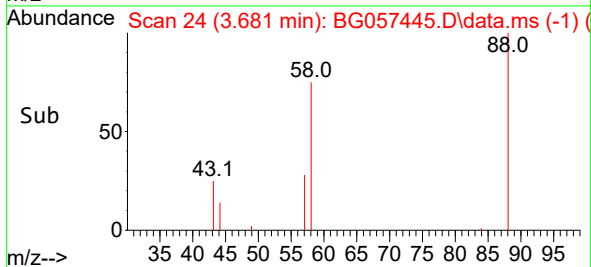
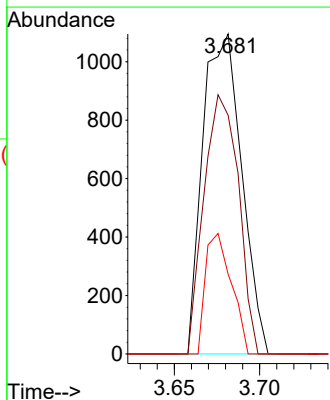
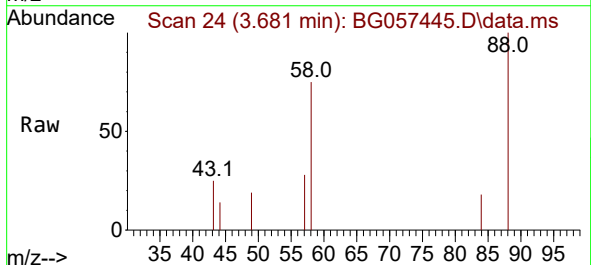
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BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

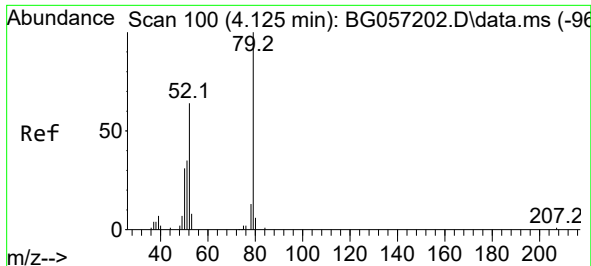
Tgt Ion:152 Resp: 16597
Ion Ratio Lower Upper
152 100
150 149.5 126.2 189.4
115 55.1 45.0 67.4



#2
1,4-Dioxane
Concen: 4.330 ng
RT: 3.681 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion: 88 Resp: 1737
Ion Ratio Lower Upper
88 100
58 71.8 57.1 85.7
43 25.0 24.4 36.6

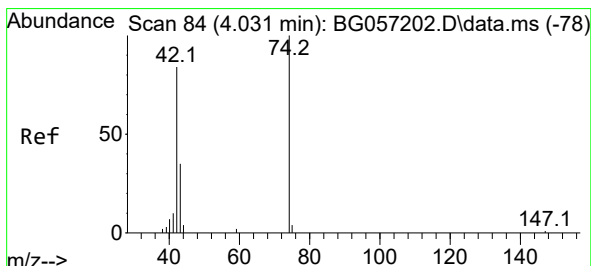
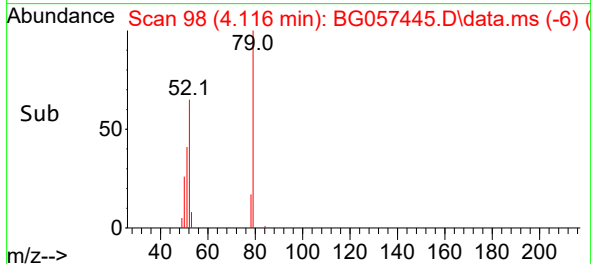
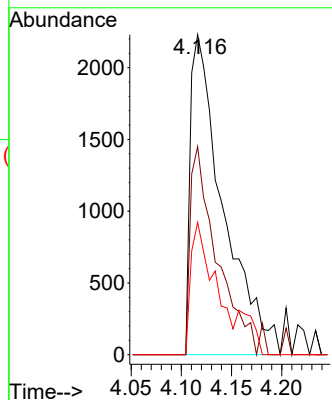
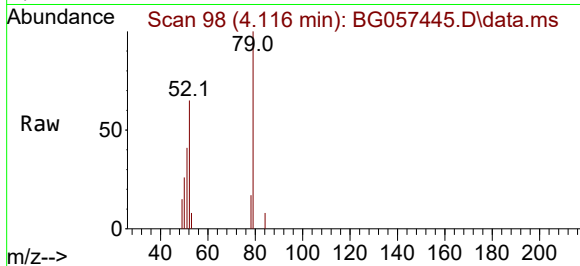




#3
Pyridine
Concen: 3.911 ng
RT: 4.116 min Scan# 91
Delta R.T. 0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

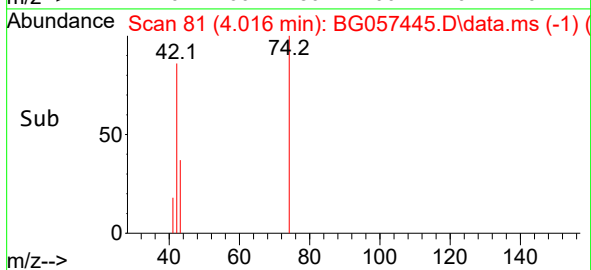
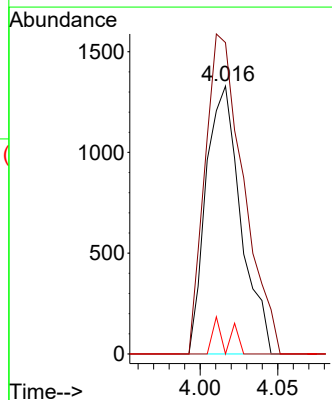
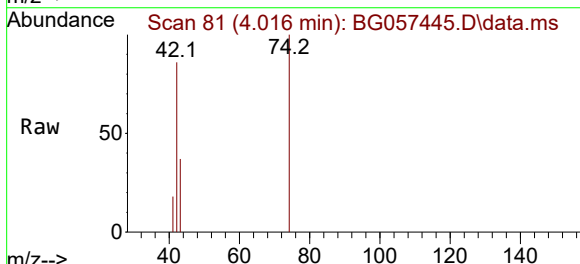
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

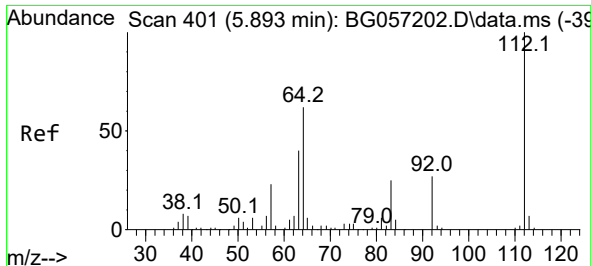
Tgt Ion: 79 Resp: 5042
Ion Ratio Lower Upper
79 100
52 65.0 51.4 77.0
51 41.3 28.0 42.0



#4
n-Nitrosodimethylamine
Concen: 3.427 ng
RT: 4.016 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion: 42 Resp: 2076
Ion Ratio Lower Upper
42 100
74 116.3 95.1 142.7
44 0.0 5.8 8.8#

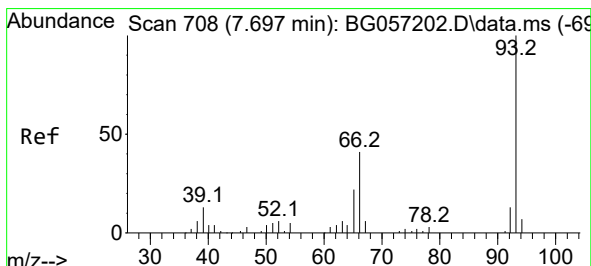
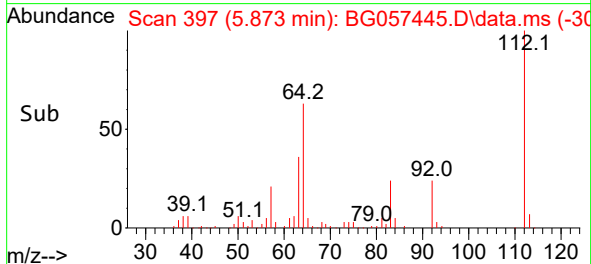
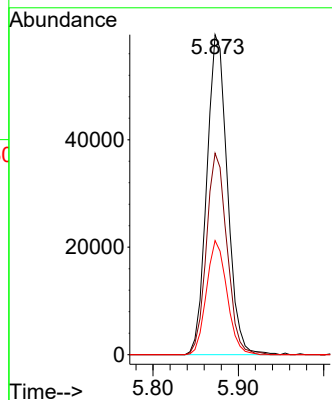
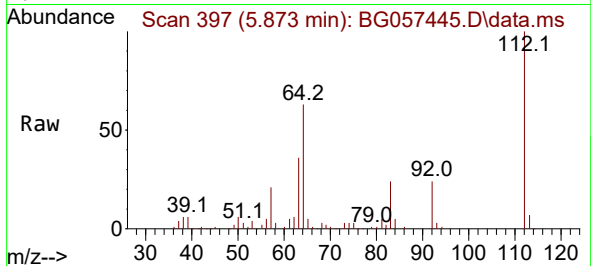




#5
2-Fluorophenol
Concen: 102.896 ng
RT: 5.873 min Scan# 397
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

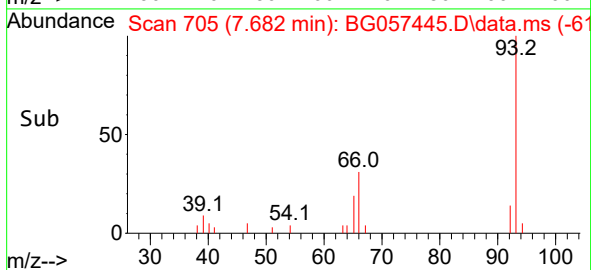
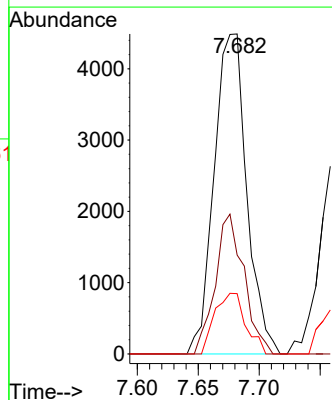
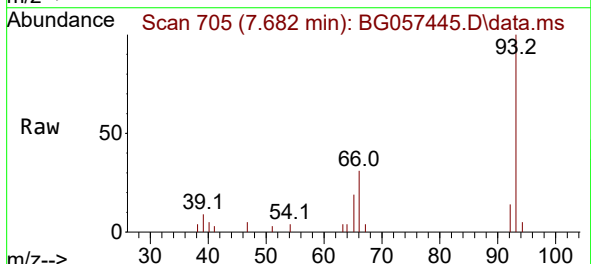
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT2-2023

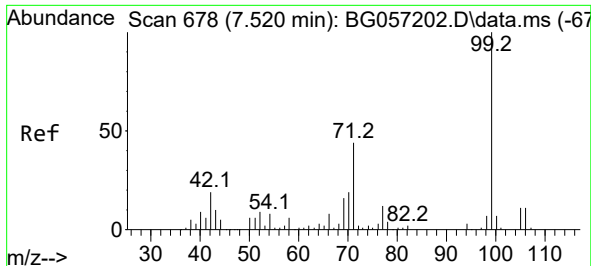
Tgt Ion:112 Resp: 99834
Ion Ratio Lower Upper
112 100
64 63.0 49.4 74.2
63 35.7 31.6 47.4



#6
Aniline
Concen: 4.475 ng
RT: 7.682 min Scan# 705
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion: 93 Resp: 8365
Ion Ratio Lower Upper
93 100
66 30.9 33.0 49.6#
65 18.8 18.0 27.0

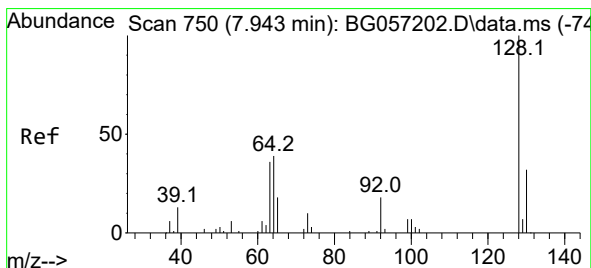
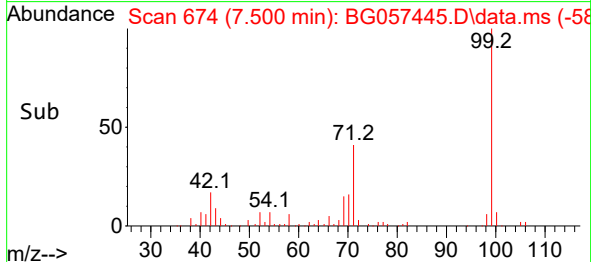
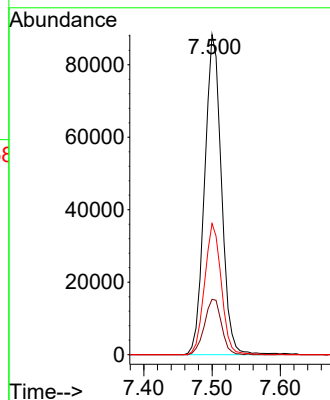
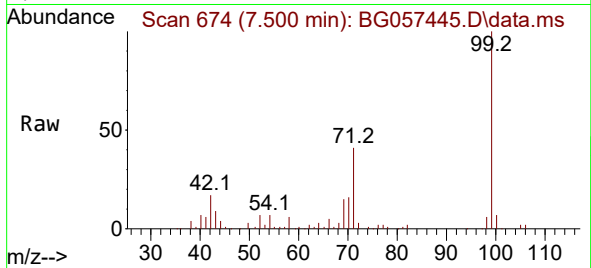




#7
Phenol-d6
Concen: 103.029 ng
RT: 7.500 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

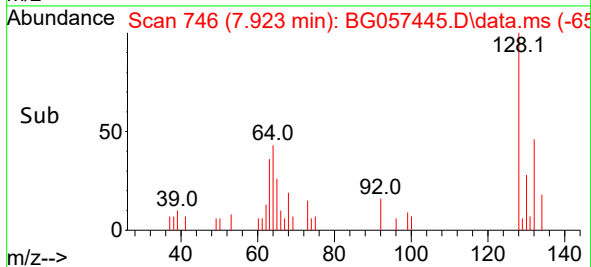
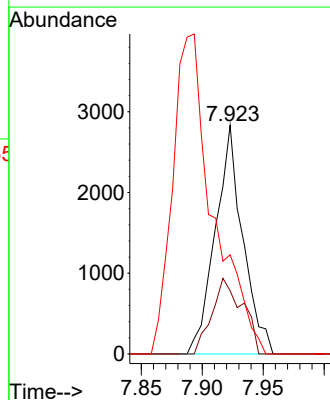
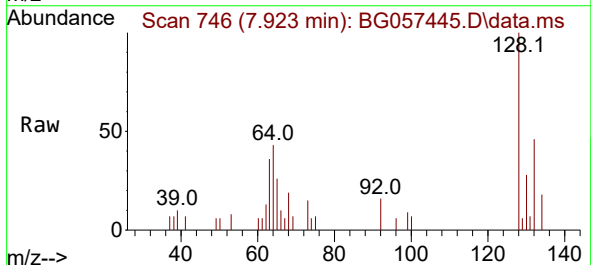
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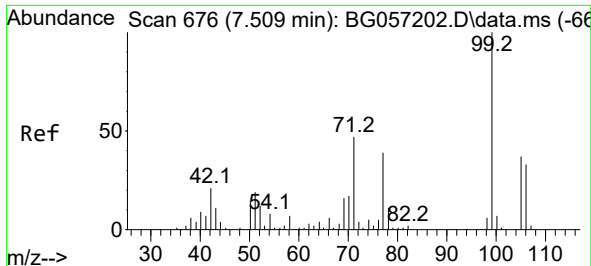
Tgt Ion: 99 Resp: 151797
Ion Ratio Lower Upper
99 100
42 17.3 15.1 22.7
71 41.0 35.2 52.8



#8
2-Chlorophenol
Concen: 4.335 ng
RT: 7.923 min Scan# 746
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion: 128 Resp: 4444
Ion Ratio Lower Upper
128 100
130 27.6 12.2 52.2
64 43.4 28.4 68.4

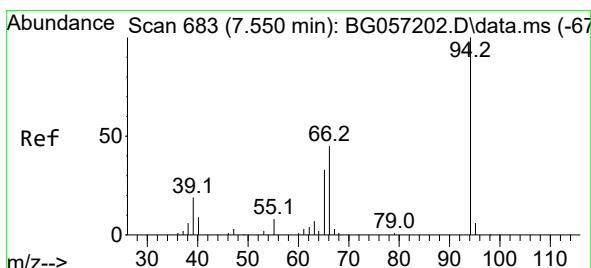
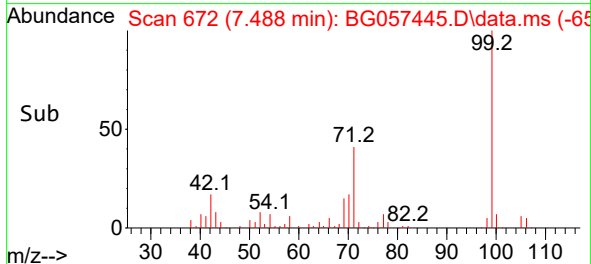
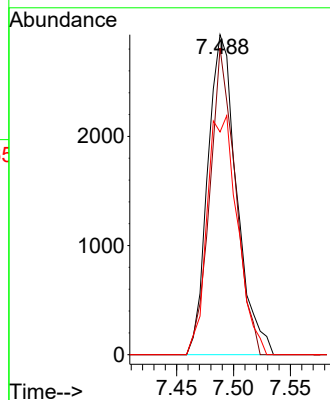
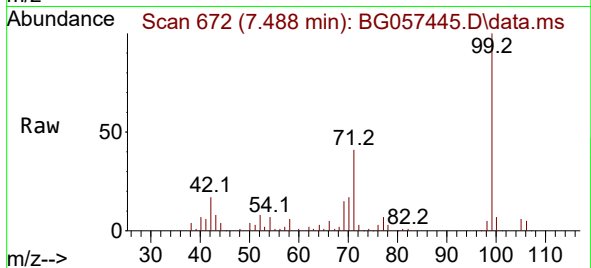




#9
Benzaldehyde
Concen: Below Cal
RT: 7.488 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

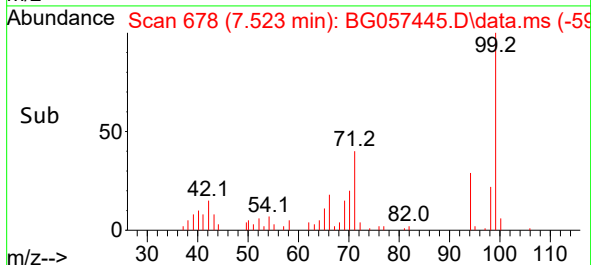
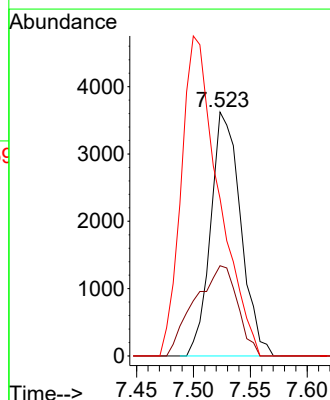
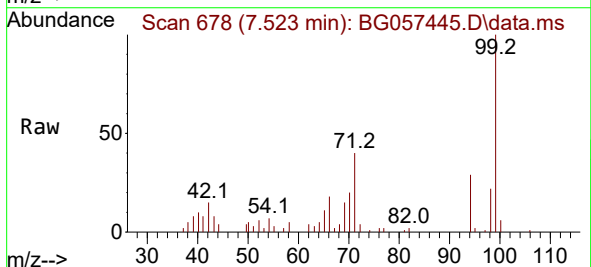
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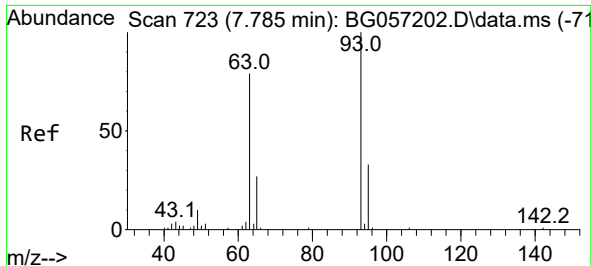
Tgt Ion: 77 Resp: 5182
Ion Ratio Lower Upper
77 100
105 95.8 74.6 114.6
106 69.6 66.3 106.3



#10
Phenol
Concen: 4.623 ng
RT: 7.523 min Scan# 678
Delta R.T. -0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion: 94 Resp: 6640
Ion Ratio Lower Upper
94 100
65 37.0 13.5 53.5
66 64.6 26.7 66.7





#11

bis(2-Chloroethyl)ether

Concen: 4.505 ng

RT: 7.764 min Scan# 719

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

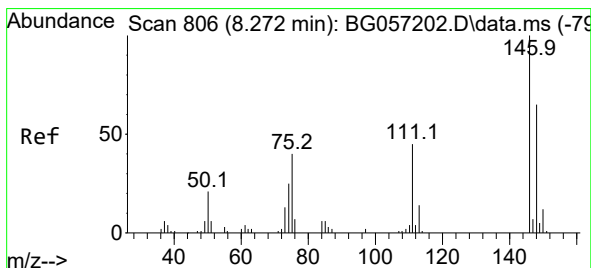
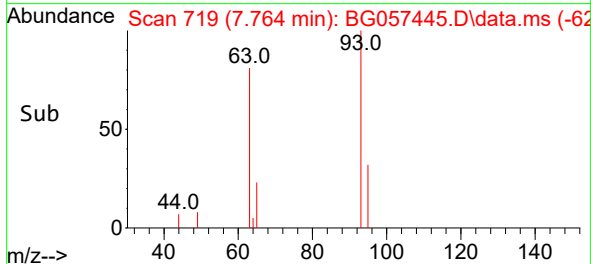
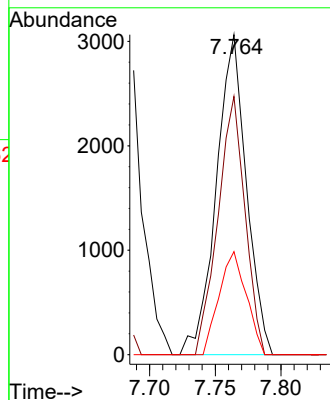
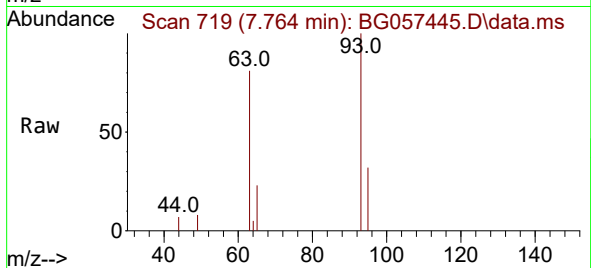
Tgt Ion: 93 Resp: 4879

Ion Ratio Lower Upper

93 100

63 80.7 58.6 98.6

95 32.2 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 4.661 ng

RT: 8.252 min Scan# 802

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

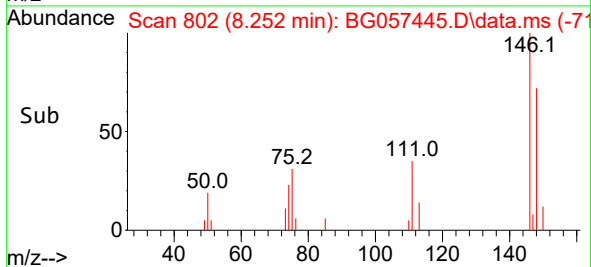
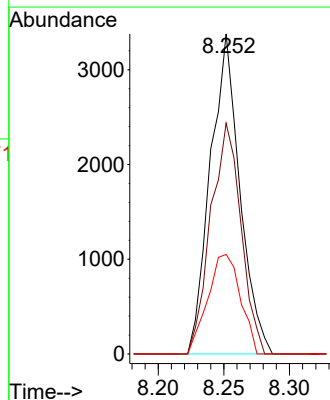
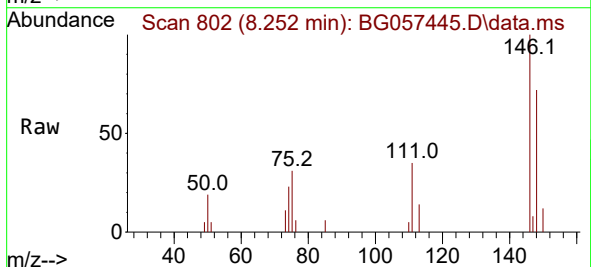
Tgt Ion:146 Resp: 5274

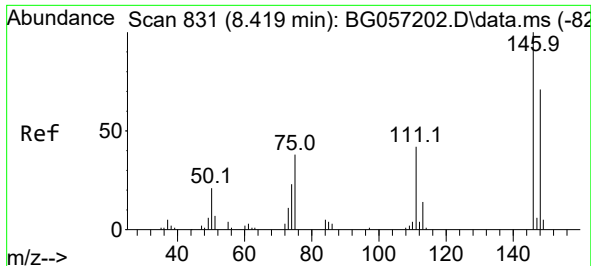
Ion Ratio Lower Upper

146 100

148 72.1 52.2 78.2

75 31.1 31.7 47.5#

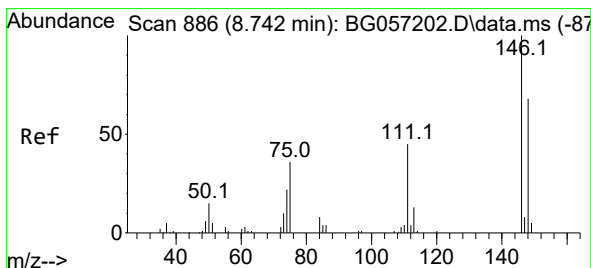
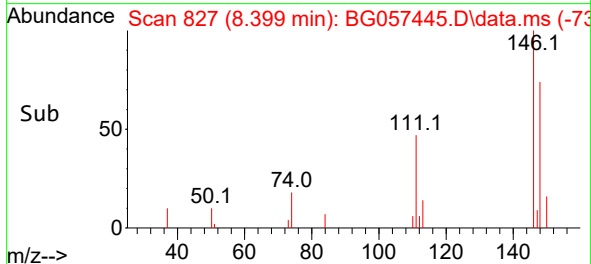
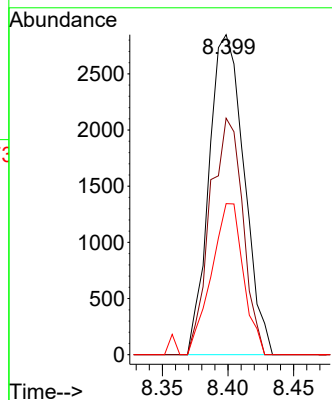
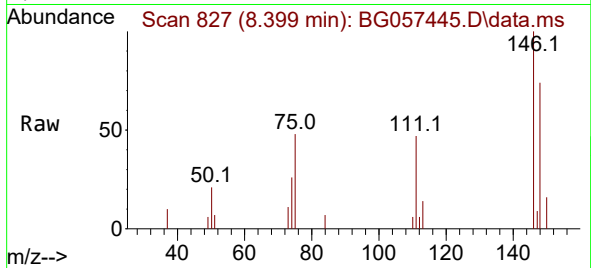




#13
1,4-Dichlorobenzene
Concen: 4.668 ng
RT: 8.399 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

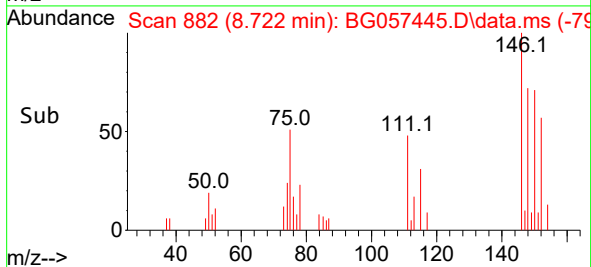
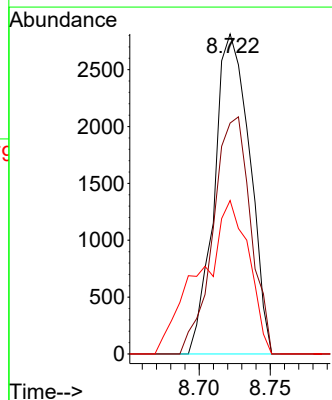
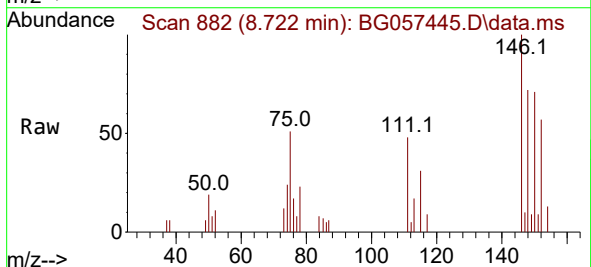
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

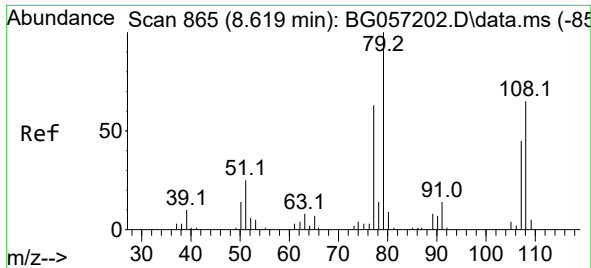
Tgt Ion:146 Resp: 5306
Ion Ratio Lower Upper
146 100
148 73.9 56.4 84.6
111 47.2 33.8 50.6



#14
1,2-Dichlorobenzene
Concen: 4.446 ng
RT: 8.722 min Scan# 882
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:146 Resp: 4878
Ion Ratio Lower Upper
146 100
148 72.2 54.6 82.0
111 48.0 37.2 55.8

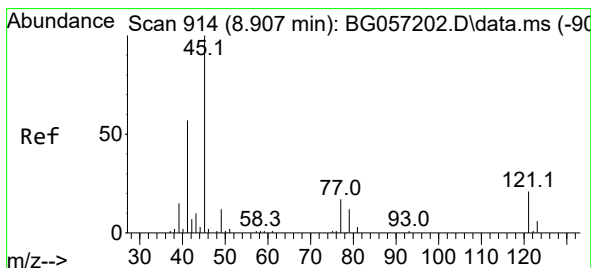
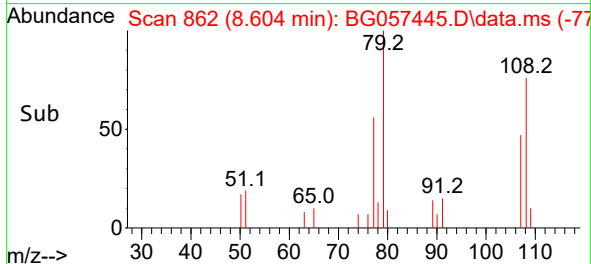
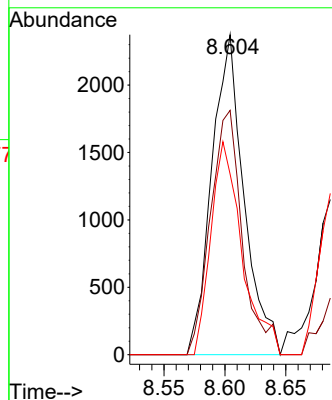
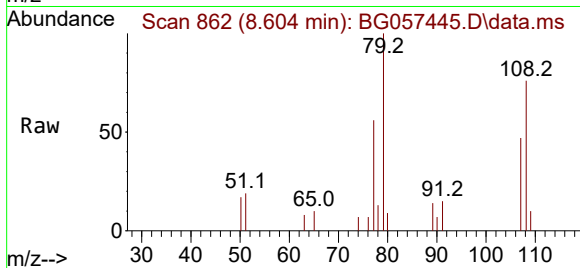




#15
Benzyl Alcohol
Concen: 3.548 ng
RT: 8.604 min Scan# 80
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

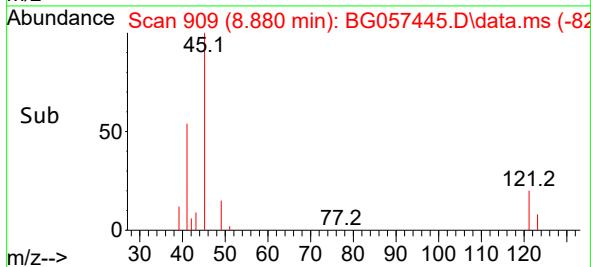
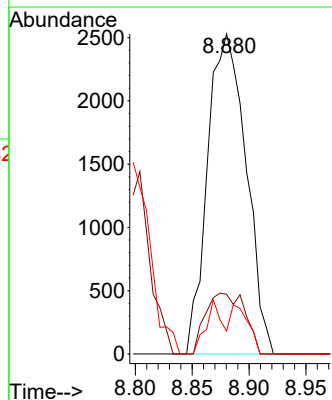
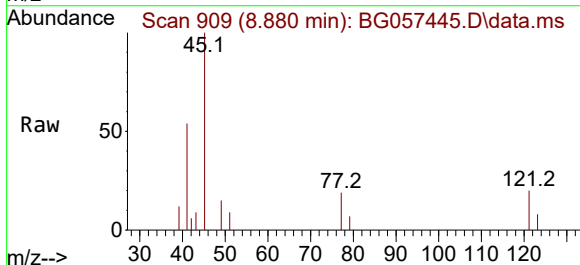
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

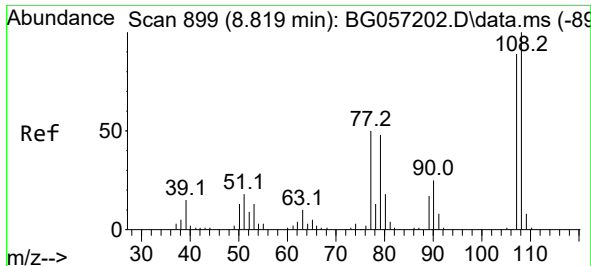
Tgt Ion: 79 Resp: 4355
Ion Ratio Lower Upper
79 100
108 76.4 52.2 78.2
77 56.4 50.1 75.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.358 ng
RT: 8.880 min Scan# 909
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion: 45 Resp: 5949
Ion Ratio Lower Upper
45 100
77 18.7 0.0 38.5
79 7.1 0.0 33.8

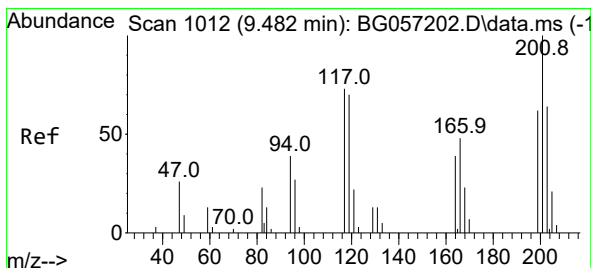
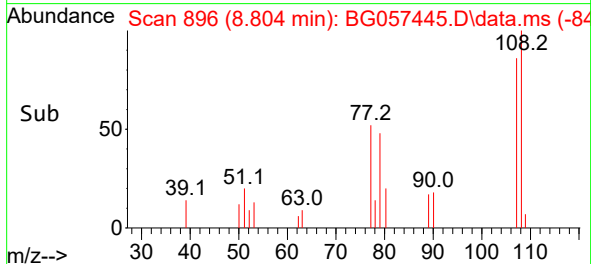
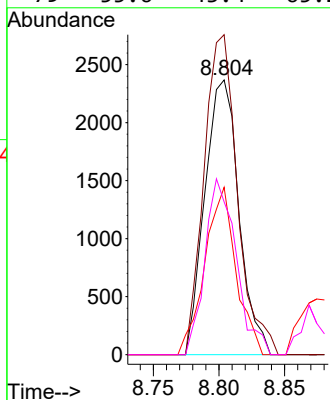
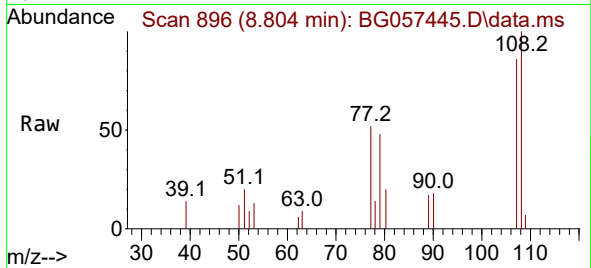




#17
2-Methylphenol
Concen: 4.119 ng
RT: 8.804 min Scan# 899
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

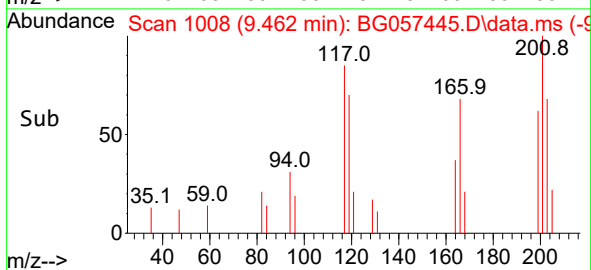
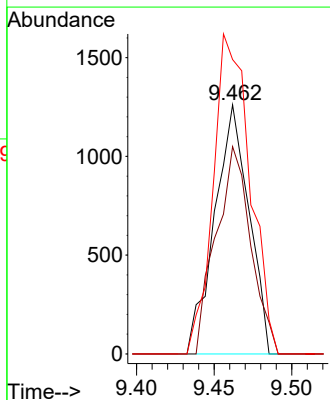
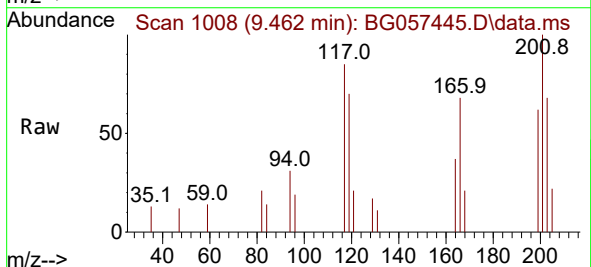
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

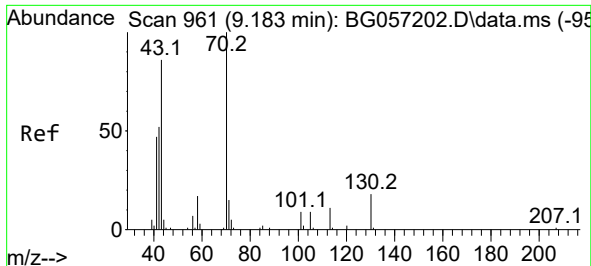
Tgt Ion:	107	Resp:	4264
Ion	Ratio	Lower	Upper
107	100		
108	116.5	89.5	134.3
77	60.9	45.1	67.7
79	55.6	43.4	65.2



#18
Hexachloroethane
Concen: 4.720 ng
RT: 9.462 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:	117	Resp:	1936
Ion	Ratio	Lower	Upper
117	100		
119	83.3	76.7	115.1
201	118.2	109.0	163.4

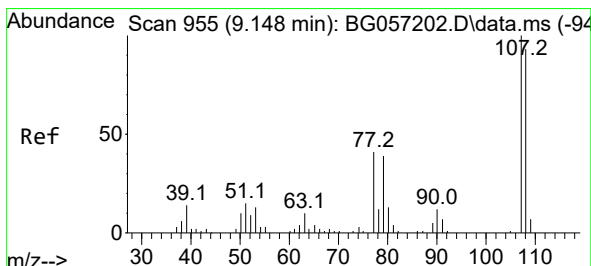
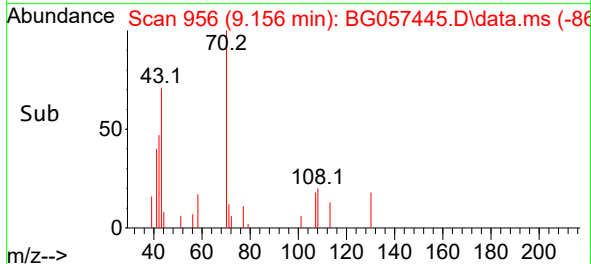
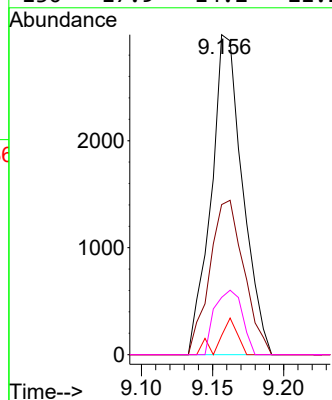
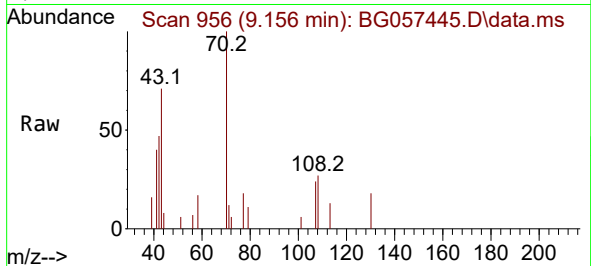




#19
n-Nitroso-di-n-propylamine
Concen: 4.102 ng
RT: 9.156 min Scan# 91
Delta R.T. -0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

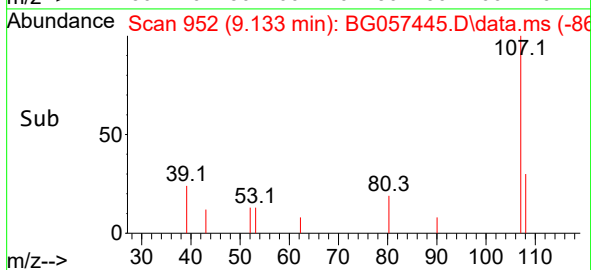
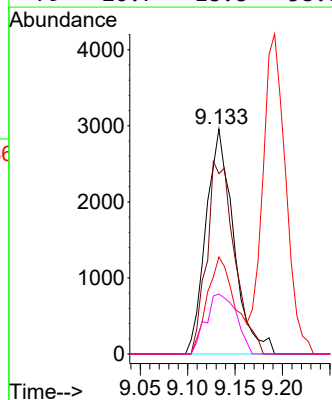
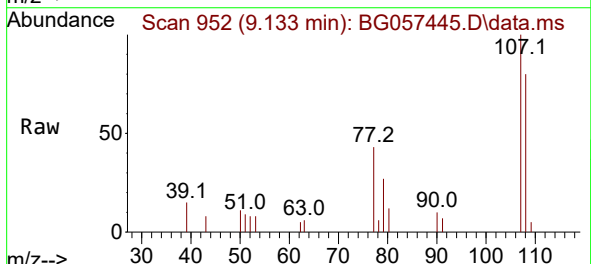
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

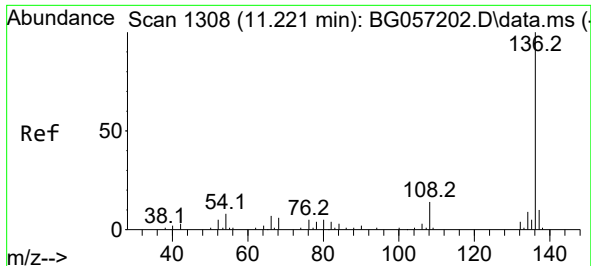
Tgt Ion:	70	Resp:	4608
Ion	Ratio	Lower	Upper
70	100		
42	46.9	41.8	62.8
101	6.0	6.8	10.2
130	17.9	14.2	21.2



#20
3+4-Methylphenols
Concen: 4.240 ng
RT: 9.133 min Scan# 952
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:	107	Resp:	6011
Ion	Ratio	Lower	Upper
107	100		
108	80.2	73.5	113.5
77	43.1	21.1	61.1
79	26.7	18.8	58.8

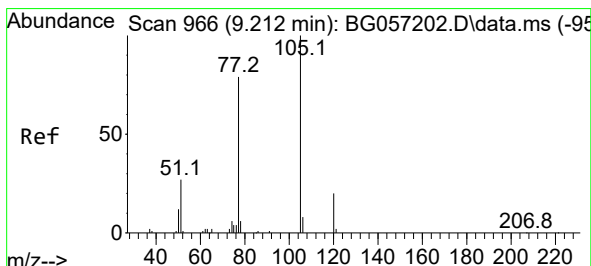
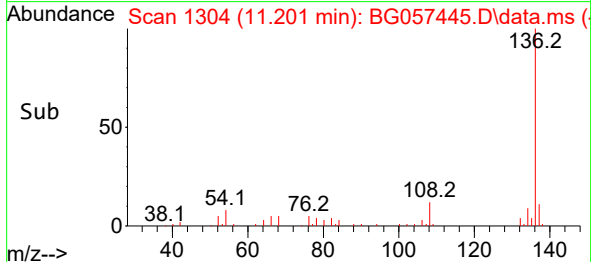
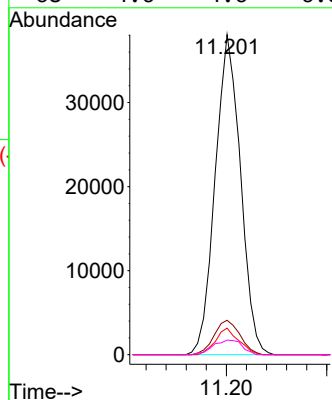
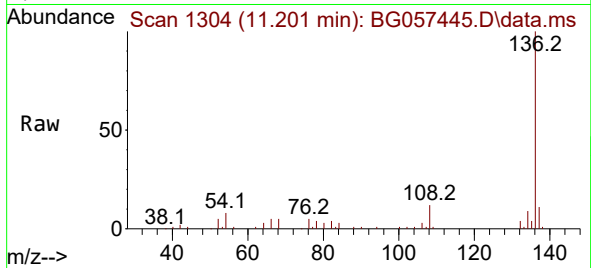




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.201 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

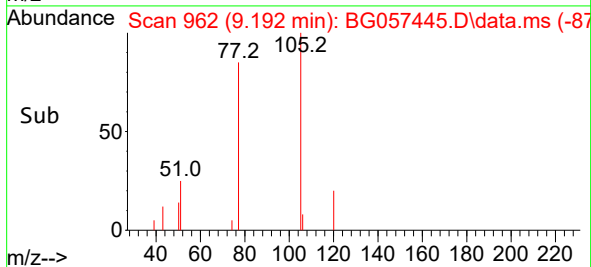
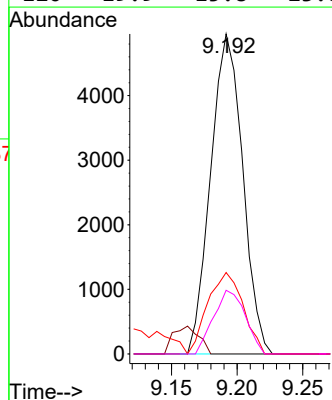
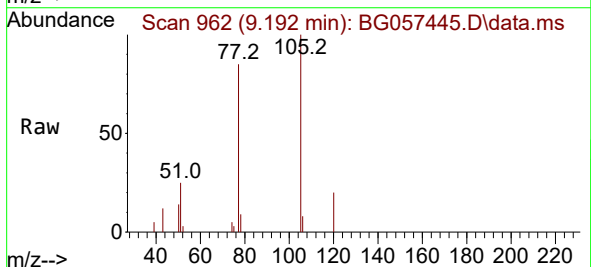
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

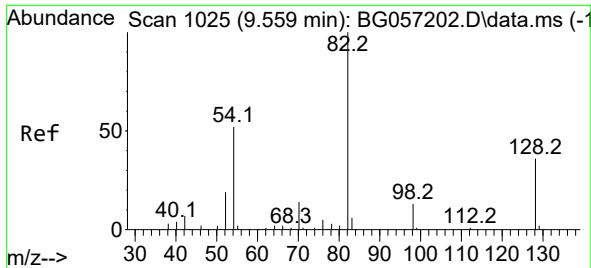
Tgt Ion:136 Resp: 66507
Ion Ratio Lower Upper
136 100
137 10.8 8.3 12.5
54 8.3 6.7 10.1
68 4.6 4.6 6.8



#22
Acetophenone
Concen: 4.416 ng
RT: 9.192 min Scan# 962
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:105 Resp: 8406
Ion Ratio Lower Upper
105 100
71 0.0 0.4 0.6#
51 25.5 24.0 36.0
120 19.9 15.8 23.8

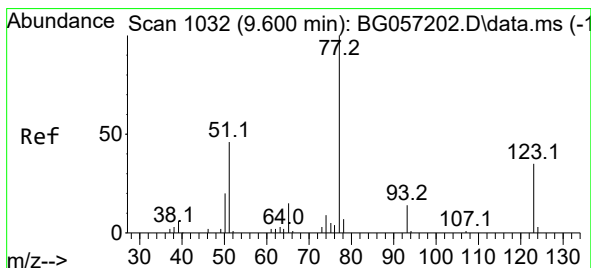
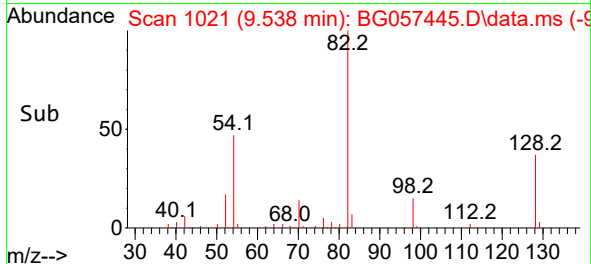
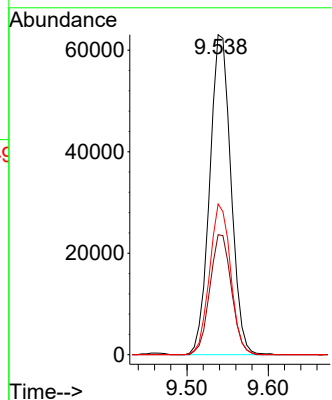
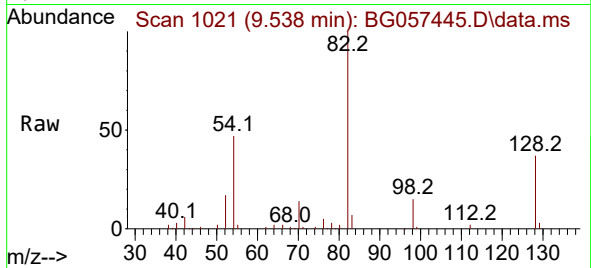




#23
Nitrobenzene-d5
Concen: 72.243 ng
RT: 9.538 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

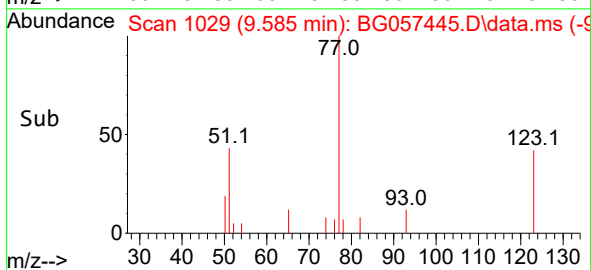
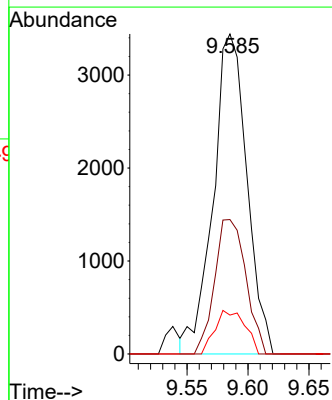
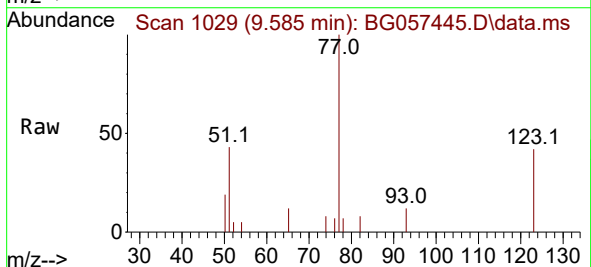
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

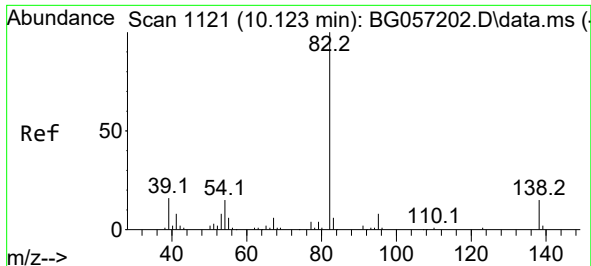
Tgt Ion: 82 Resp: 114476
Ion Ratio Lower Upper
82 100
128 37.5 29.0 43.4
54 47.1 41.4 62.0



#24
Nitrobenzene
Concen: 4.135 ng
RT: 9.585 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion: 77 Resp: 6613
Ion Ratio Lower Upper
77 100
123 42.0 28.2 42.2
65 12.2 11.7 17.5

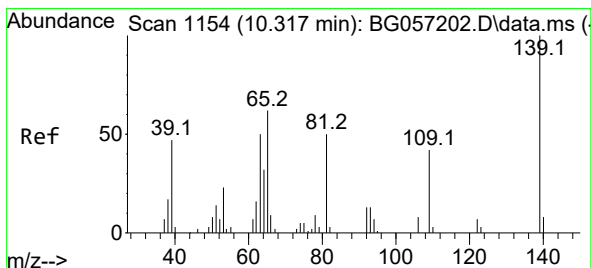
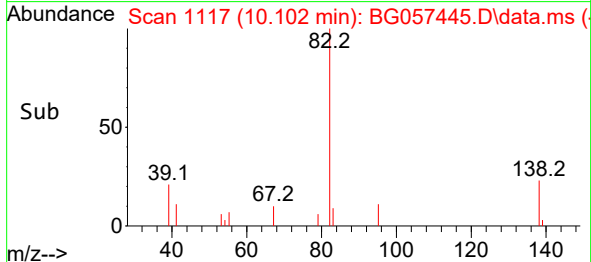
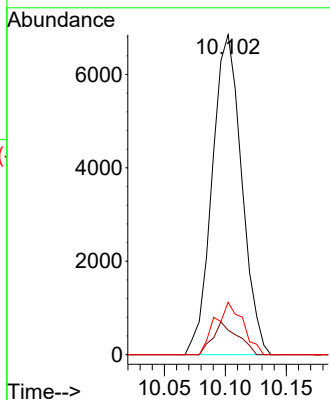
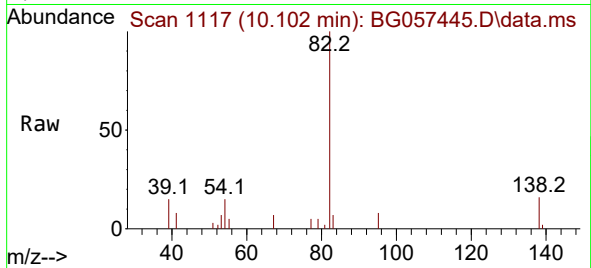




#25
Isophorone
Concen: 3.757 ng
RT: 10.102 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

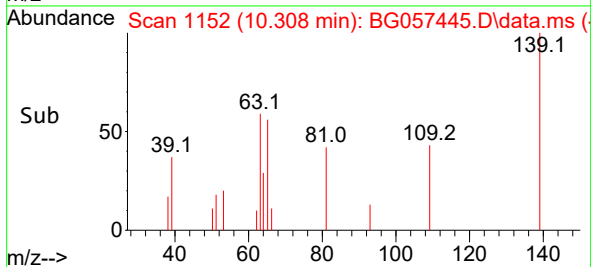
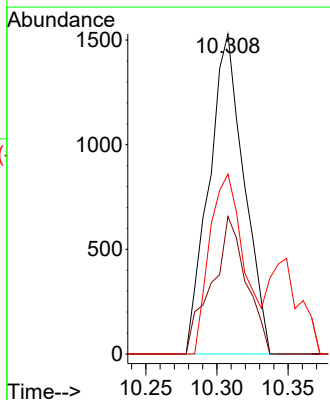
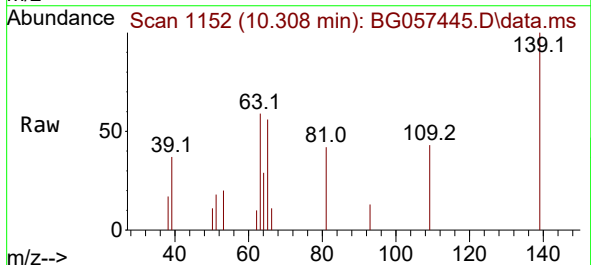
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

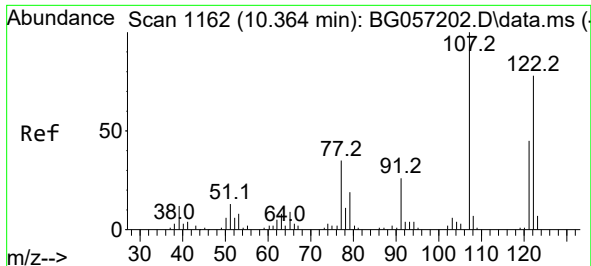
Tgt Ion: 82 Resp: 11545
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 16.3 12.3 18.5



#26
2-Nitrophenol
Concen: 4.285 ng
RT: 10.308 min Scan# 1152
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion: 139 Resp: 2623
Ion Ratio Lower Upper
139 100
109 43.0 33.4 50.2
65 56.2 49.8 74.6





#27

2,4-Dimethylphenol

Concen: 4.443 ng

RT: 10.349 min Scan# 1159

Delta R.T. 0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

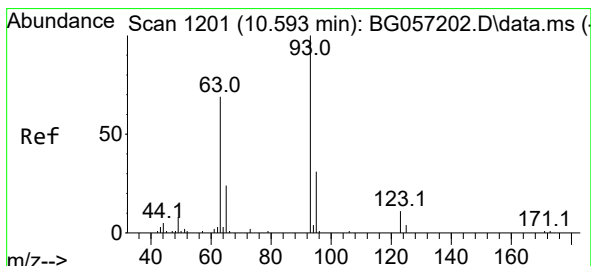
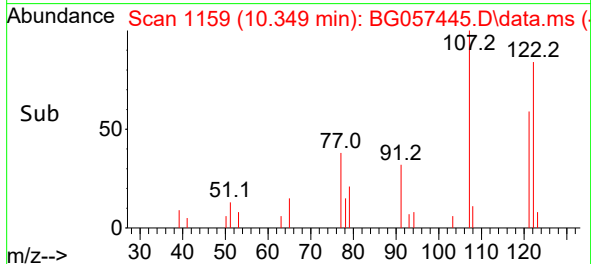
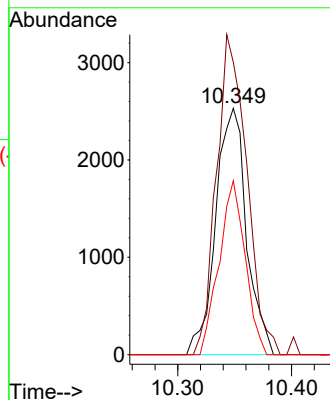
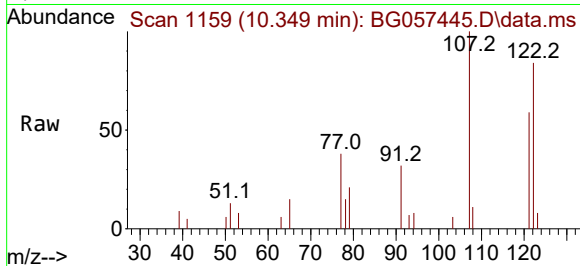
Tgt Ion:122 Resp: 4763

Ion Ratio Lower Upper

122 100

107 118.6 103.0 154.4

121 70.6 45.9 68.9#



#28

bis(2-Chloroethoxy)methane

Concen: 4.368 ng

RT: 10.584 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

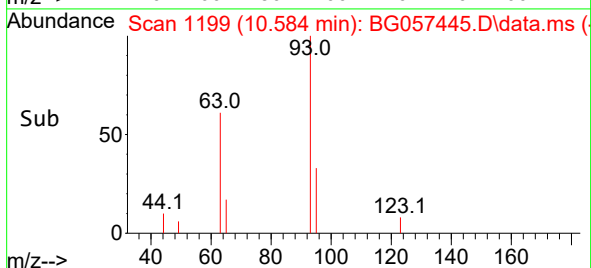
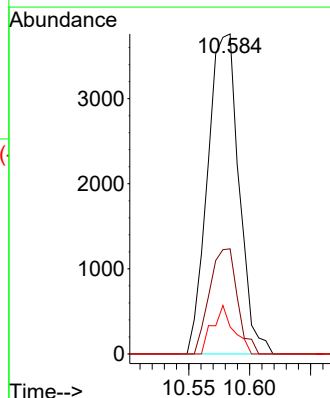
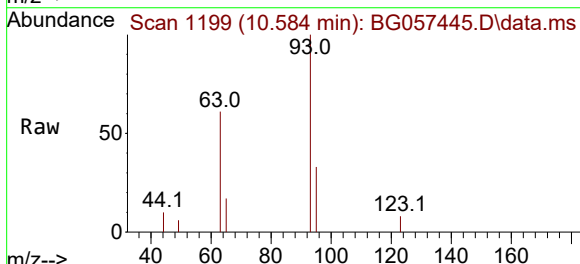
Tgt Ion: 93 Resp: 6724

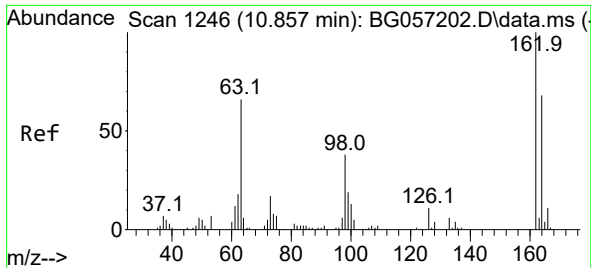
Ion Ratio Lower Upper

93 100

95 32.8 25.0 37.6

123 8.4 8.5 12.7#

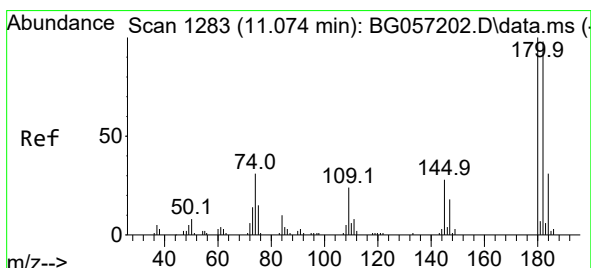
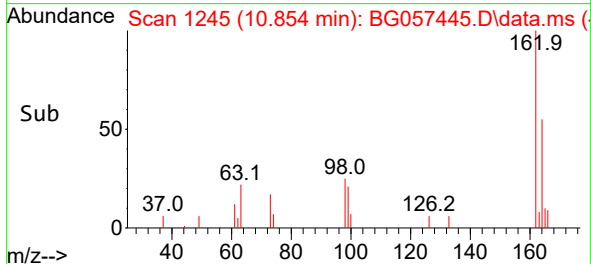
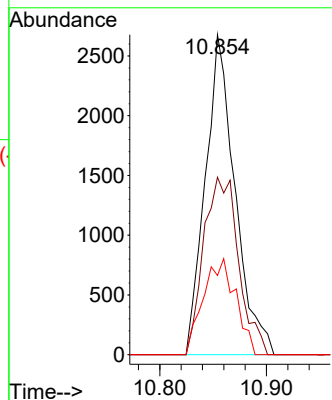
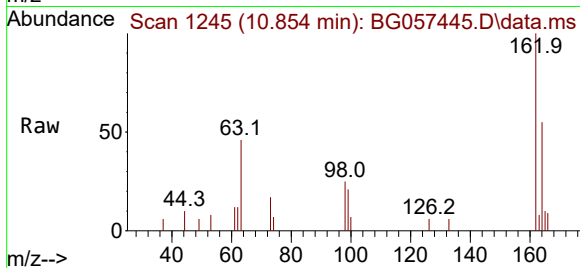




#29
2,4-Dichlorophenol
Concen: 4.555 ng
RT: 10.854 min Scan# 11
Delta R.T. 0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

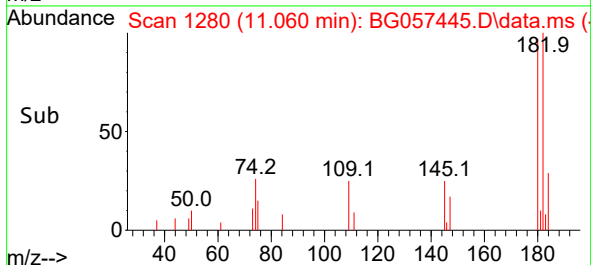
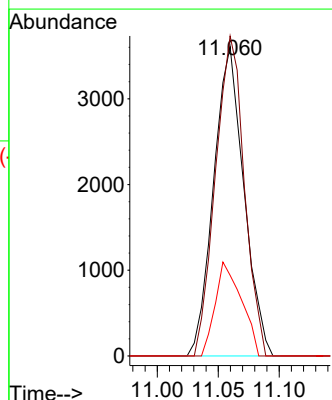
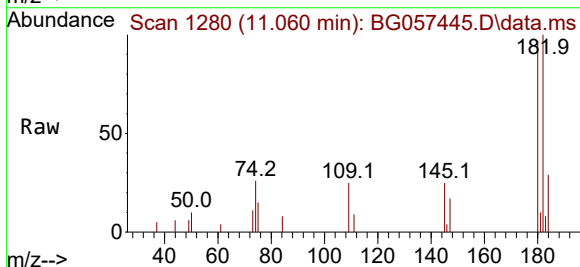
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

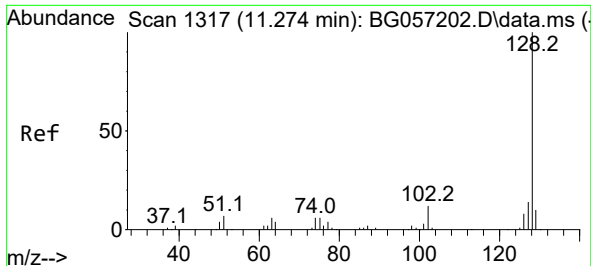
Tgt Ion:162 Resp: 5179
Ion Ratio Lower Upper
162 100
164 55.5 48.4 88.4
98 24.8 17.6 57.6



#30
1,2,4-Trichlorobenzene
Concen: 4.751 ng
RT: 11.060 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:180 Resp: 6231
Ion Ratio Lower Upper
180 100
182 103.4 78.0 117.0
145 26.1 22.4 33.6

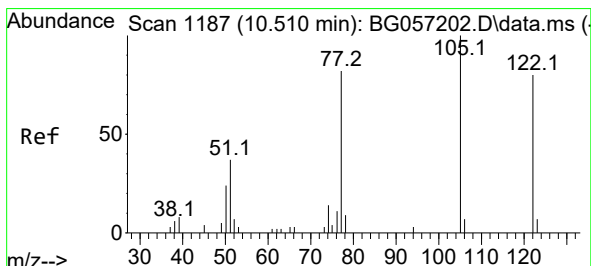
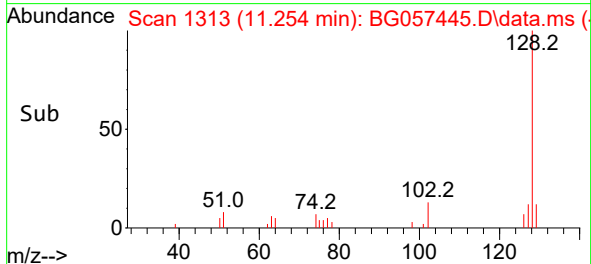
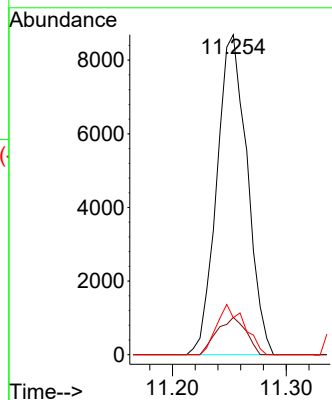
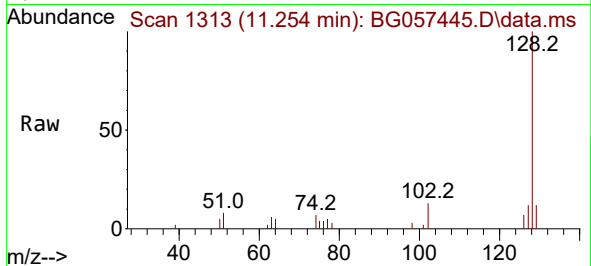




#31
Naphthalene
Concen: 4.537 ng
RT: 11.254 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

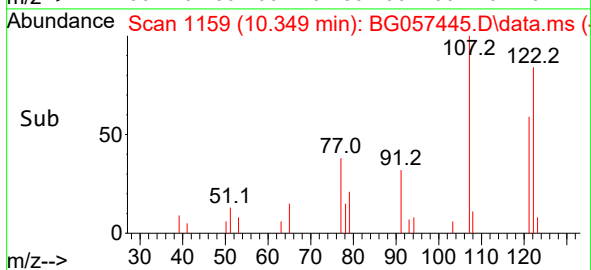
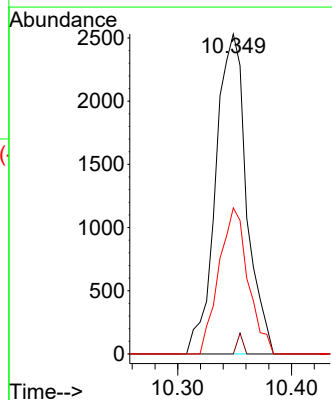
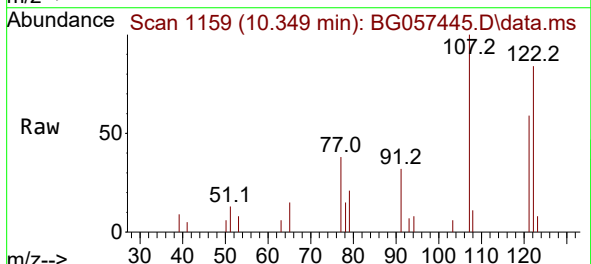
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

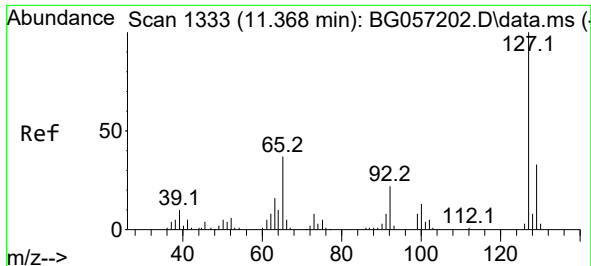
Tgt Ion:128 Resp: 16133
Ion Ratio Lower Upper
128 100
129 11.7 8.3 12.5
127 11.5 11.1 16.7



#32
Benzoic acid
Concen: 11.665 ng
RT: 10.349 min Scan# 1159
Delta R.T. -0.141 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:122 Resp: 4763
Ion Ratio Lower Upper
122 100
105 0.0 105.2 145.2#
77 45.6 83.1 123.1#

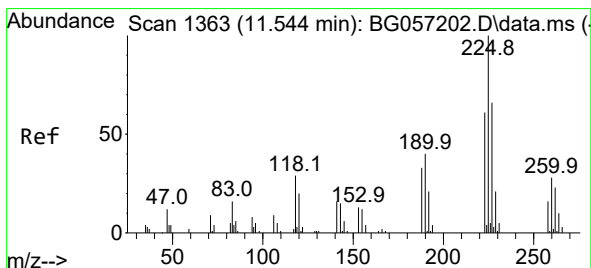
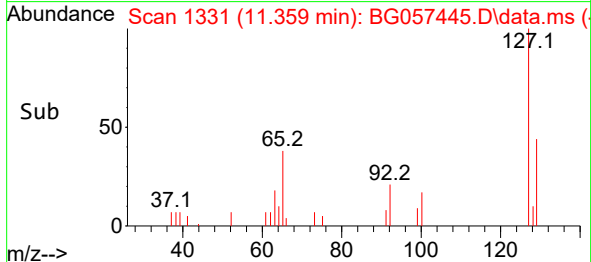
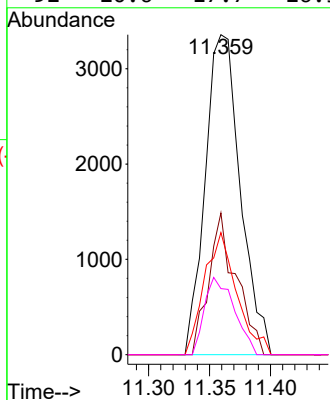
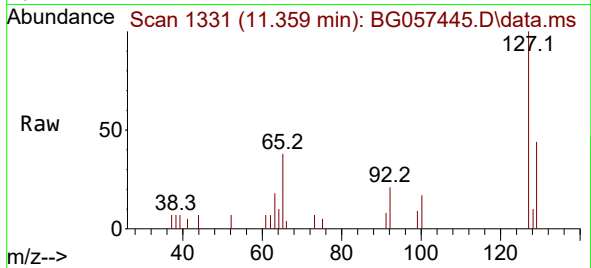




#33
4-Chloroaniline
Concen: 4.215 ng
RT: 11.359 min Scan# 11359
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

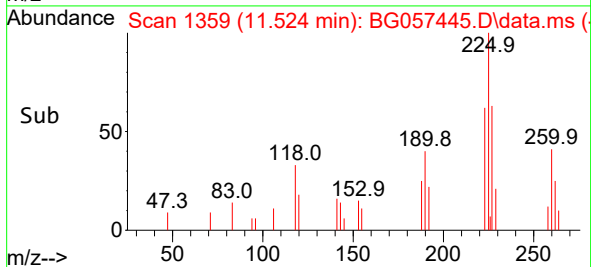
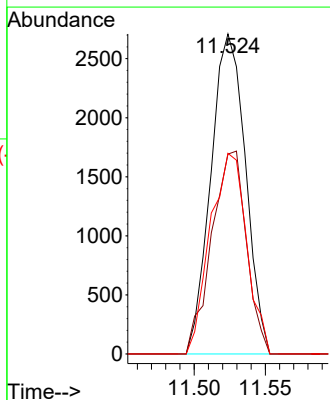
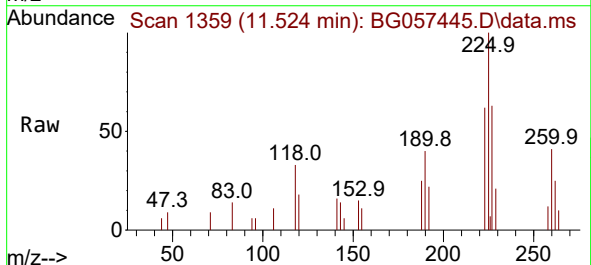
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

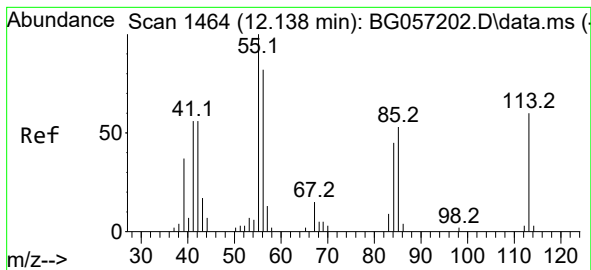
Tgt Ion:127	Resp: 6730
Ion Ratio	Lower Upper
127 100	
129 44.3	26.7 40.1#
65 38.1	29.7 44.5
92 20.6	17.7 26.5



#34
Hexachlorobutadiene
Concen: 4.720 ng
RT: 11.524 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:225	Resp: 4593
Ion Ratio	Lower Upper
225 100	
223 62.5	48.6 72.8
227 62.7	52.7 79.1

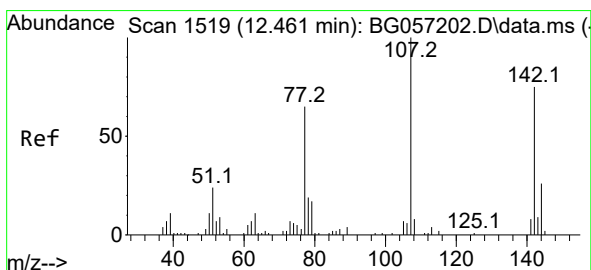
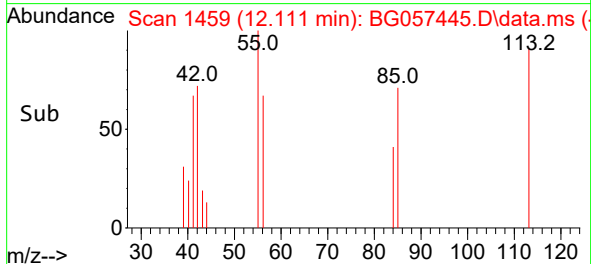
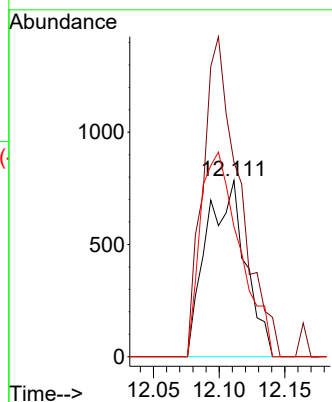
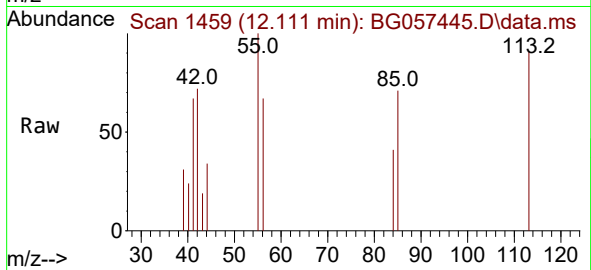




#35
 Caprolactam
 Concen: 4.161 ng
 RT: 12.111 min Scan# 1464
 Delta R.T. -0.018 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

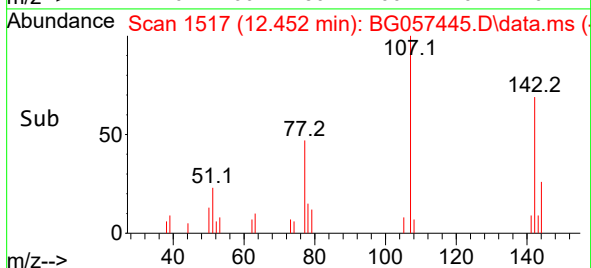
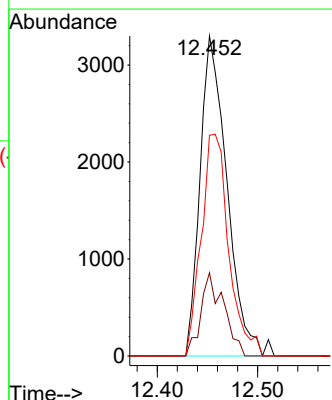
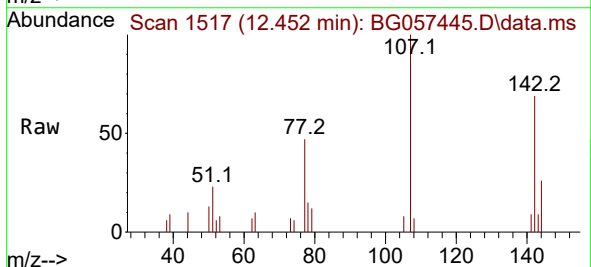
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

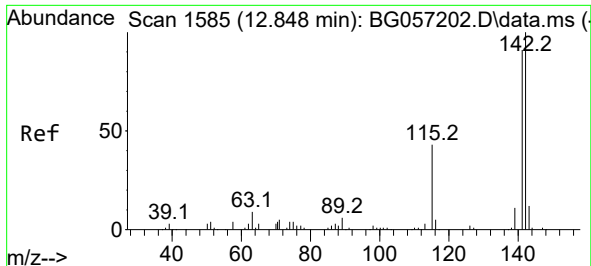
Tgt Ion:113 Resp: 1616
 Ion Ratio Lower Upper
 113 100
 55 110.3 145.5 185.5#
 56 73.8 115.9 155.9#



#36
 4-Chloro-3-methylphenol
 Concen: 4.778 ng
 RT: 12.452 min Scan# 1517
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

Tgt Ion:107 Resp: 6174
 Ion Ratio Lower Upper
 107 100
 144 26.0 21.0 31.6
 142 69.0 60.0 90.0





#37

2-Methylnaphthalene

Concen: 4.521 ng

RT: 12.834 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

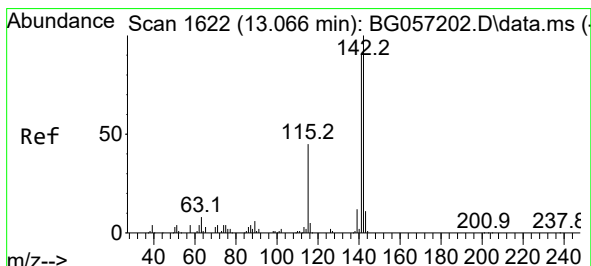
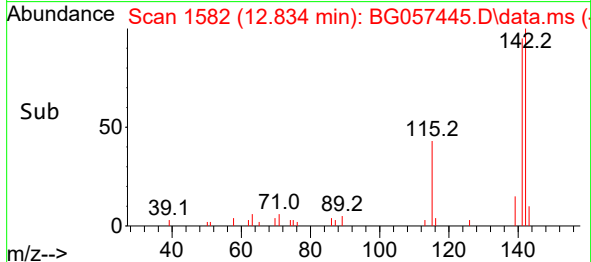
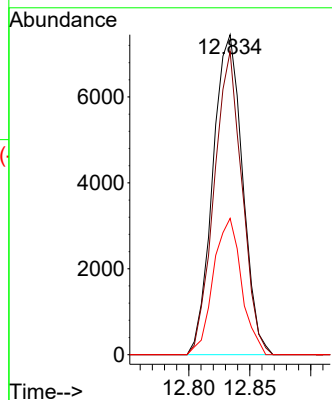
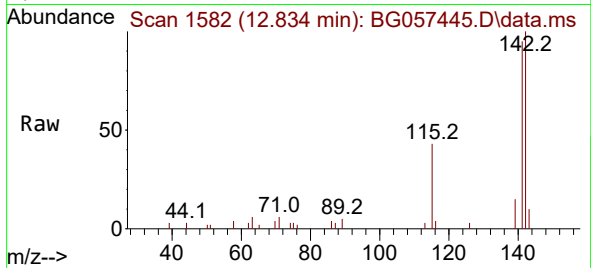
Tgt Ion:142 Resp: 12639

Ion Ratio Lower Upper

142 100

141 94.8 73.1 109.7

115 42.6 34.6 52.0



#38

1-Methylnaphthalene

Concen: 4.810 ng

RT: 13.045 min Scan# 1618

Delta R.T. -0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

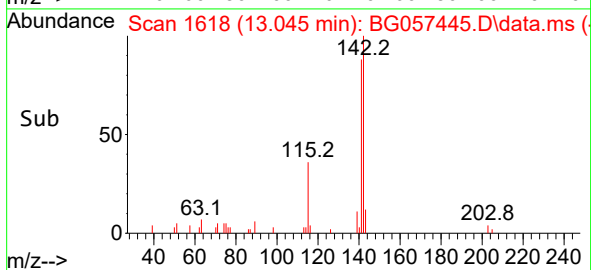
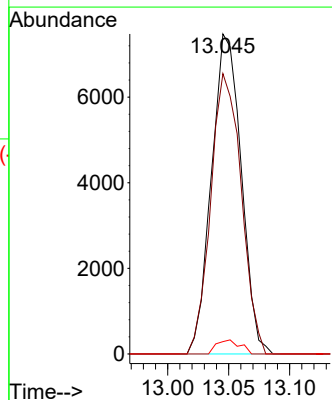
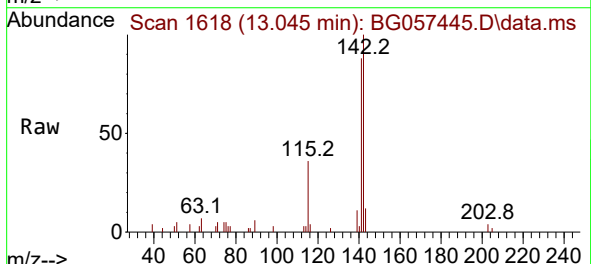
Tgt Ion:142 Resp: 12675

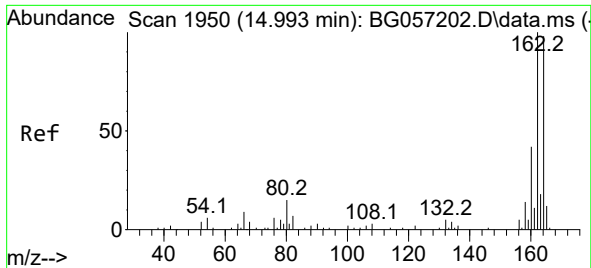
Ion Ratio Lower Upper

142 100

141 87.6 72.5 108.7

116 3.9 3.7 5.5

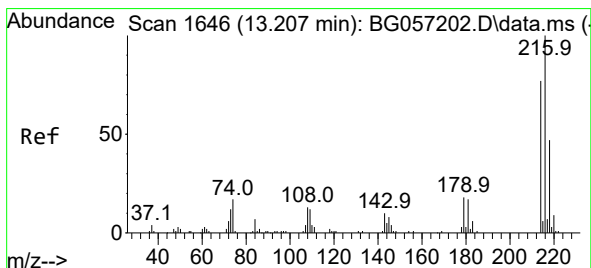
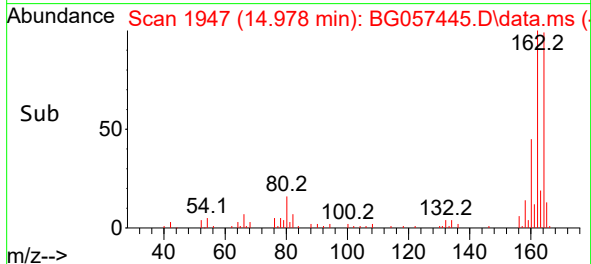
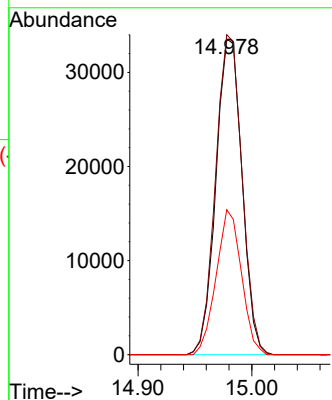
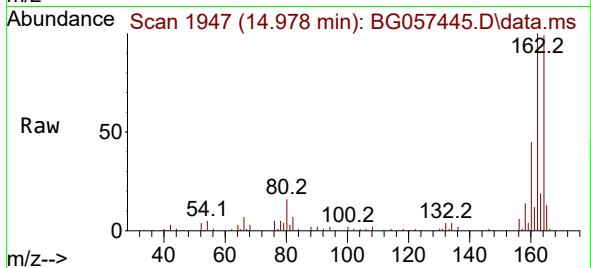




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.978 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

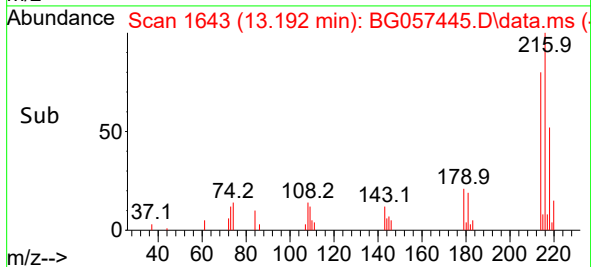
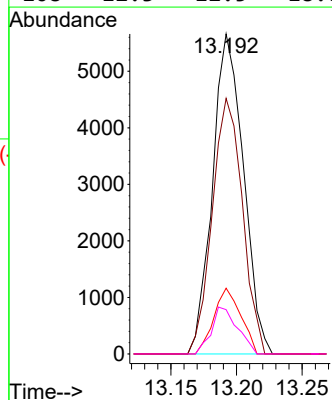
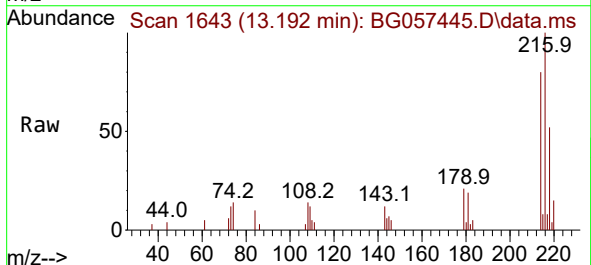
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

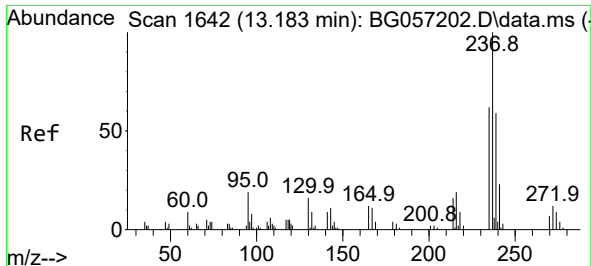
Tgt Ion:164 Resp: 53437
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.6
160 45.9 34.6 52.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.882 ng
RT: 13.192 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

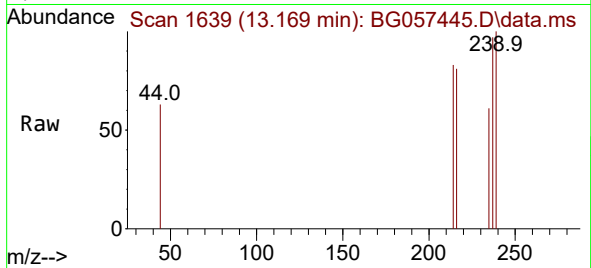
Tgt Ion:216 Resp: 9261
Ion Ratio Lower Upper
216 100
214 78.1 63.7 95.5
179 17.9 14.6 22.0
108 12.3 12.5 18.7#



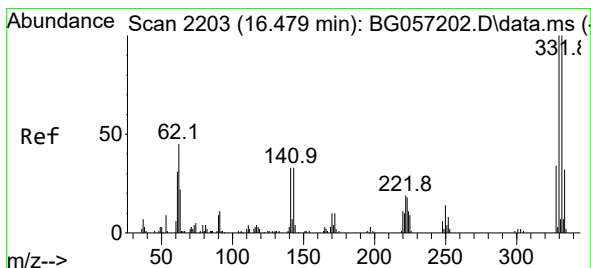
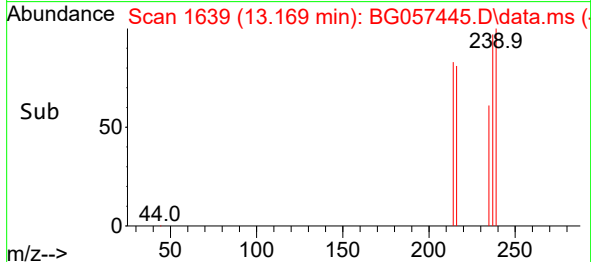
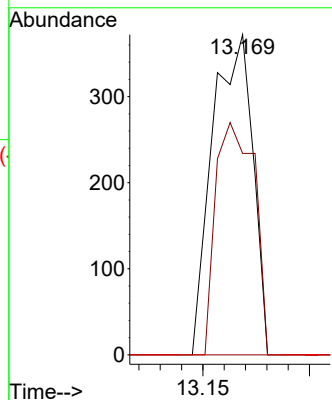


#41
Hexachlorocyclopentadiene
Concen: 6.788 ng
RT: 13.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

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

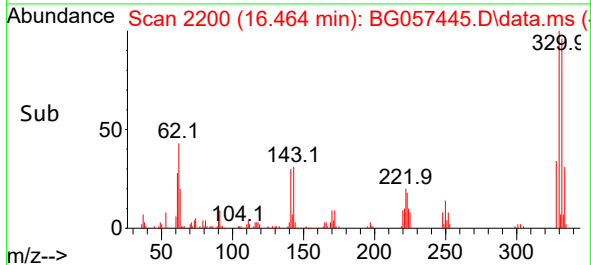
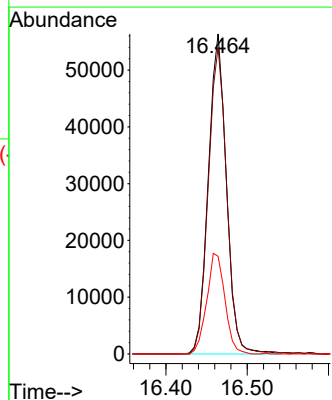
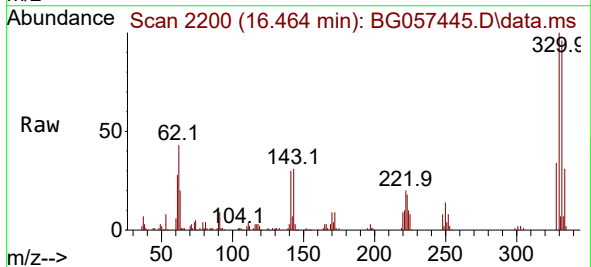


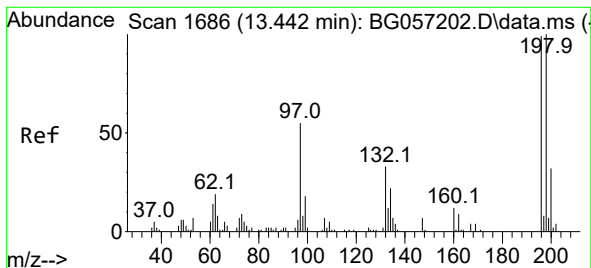
Tgt Ion:237 Resp: 488
Ion Ratio Lower Upper
237 100
235 62.9 42.0 82.0
272 0.0 0.0 31.5



#42
2,4,6-Tribromophenol
Concen: 114.963 ng
RT: 16.464 min Scan# 2200
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:330 Resp: 87167
Ion Ratio Lower Upper
330 100
332 97.6 78.2 117.2
141 31.5 27.8 41.8





#43

2,4,6-Trichlorophenol

Concen: 4.292 ng

RT: 13.433 min Scan# 1

Delta R.T. 0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

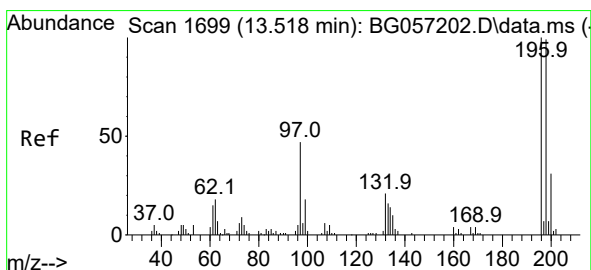
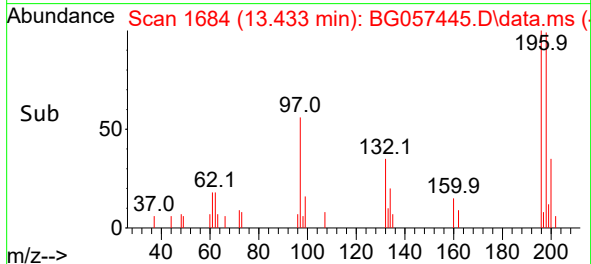
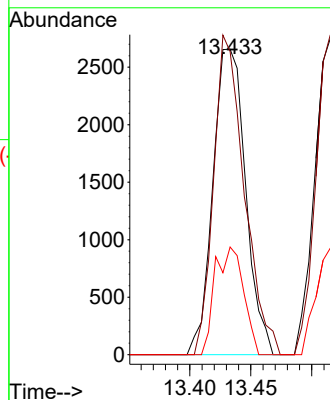
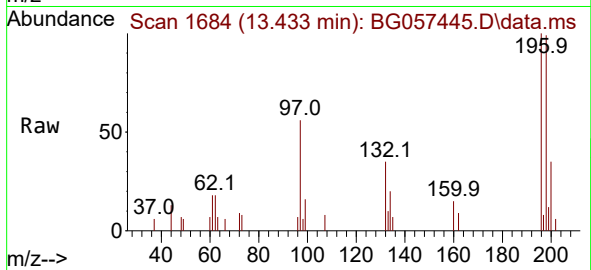
Tgt Ion:196 Resp: 4961

Ion Ratio Lower Upper

196 100

198 99.2 81.2 121.8

200 35.3 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 4.218 ng

RT: 13.515 min Scan# 1698

Delta R.T. 0.012 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Tgt Ion:196 Resp: 5735

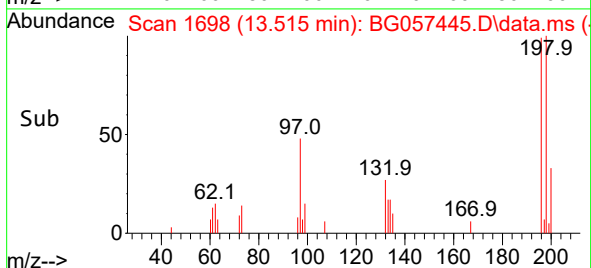
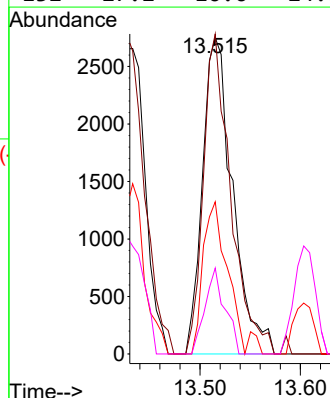
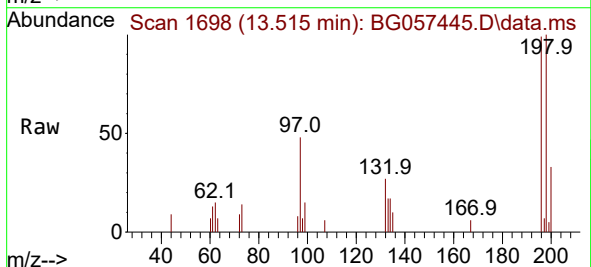
Ion Ratio Lower Upper

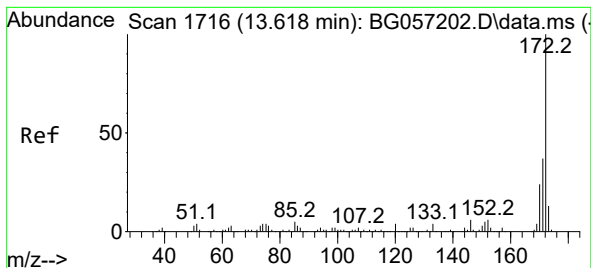
196 100

198 101.2 79.4 119.2

97 48.1 37.0 55.4

132 27.2 16.6 24.8#





#45

2-Fluorobiphenyl

Concen: 78.320 ng

RT: 13.603 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

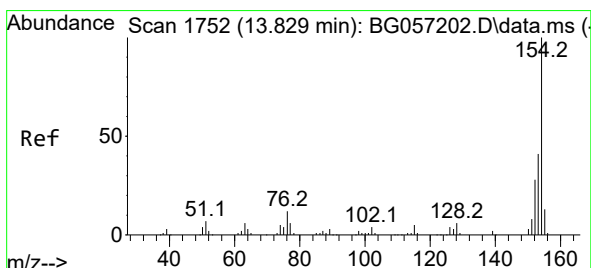
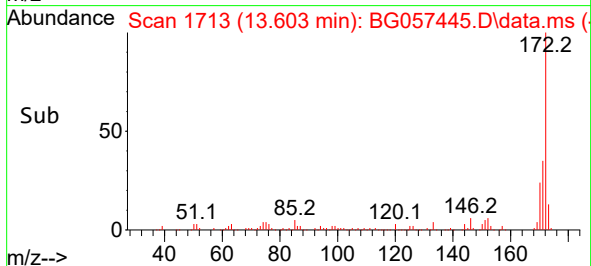
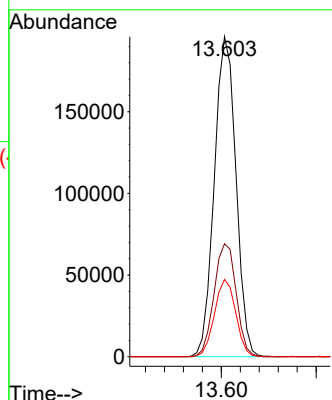
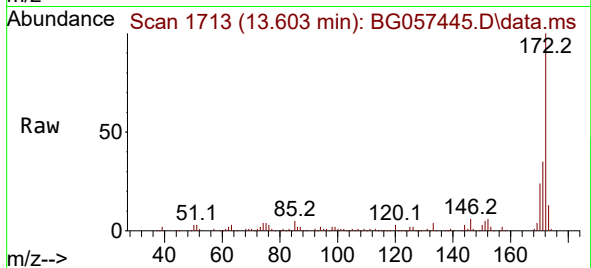
Tgt Ion:172 Resp: 310749

Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

170 24.2 19.0 28.6



#46

1,1'-Biphenyl

Concen: 4.825 ng

RT: 13.815 min Scan# 1749

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

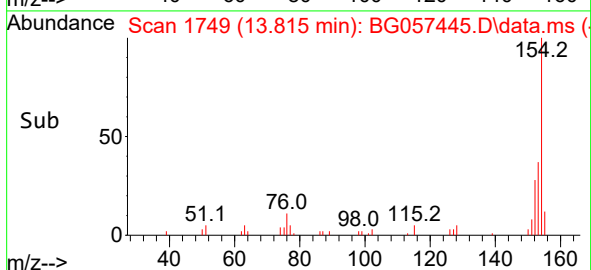
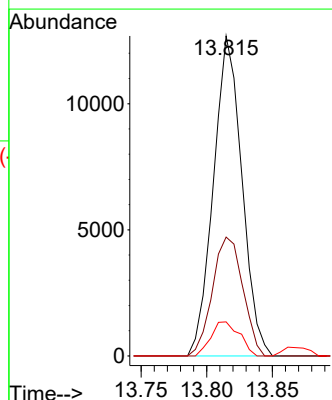
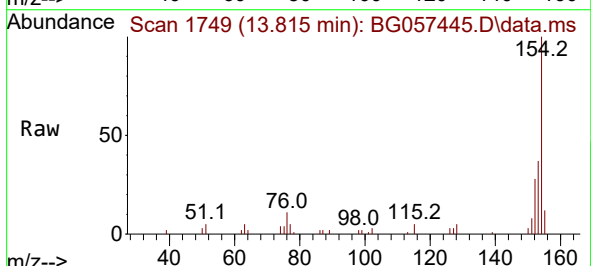
Tgt Ion:154 Resp: 19134

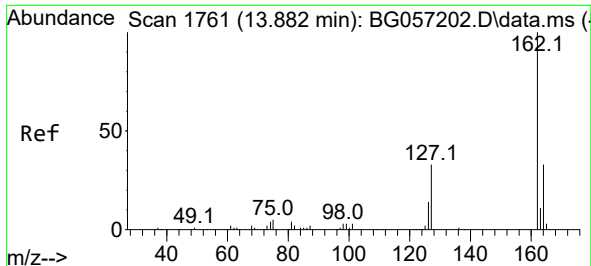
Ion Ratio Lower Upper

154 100

153 37.2 20.9 60.9

76 10.6 0.0 31.7

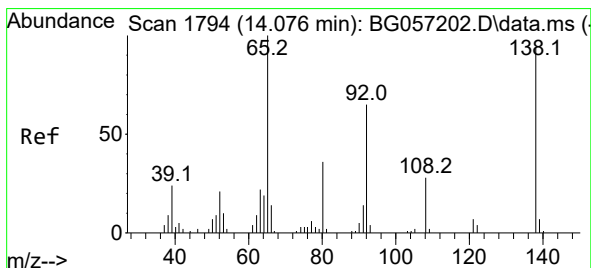
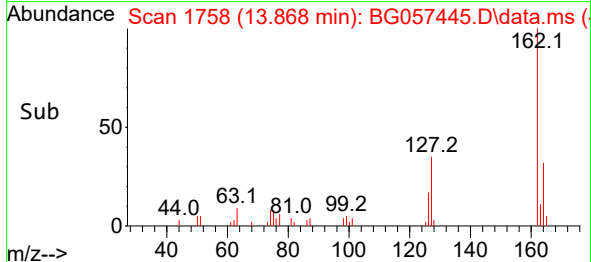
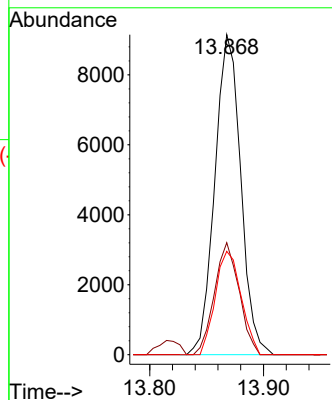
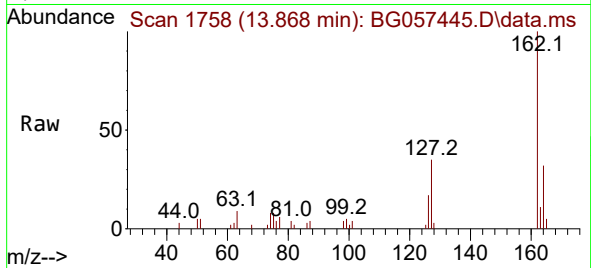




#47
2-Chloronaphthalene
Concen: 4.907 ng
RT: 13.868 min Scan# 1761
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

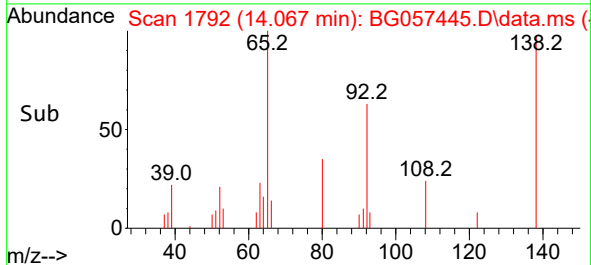
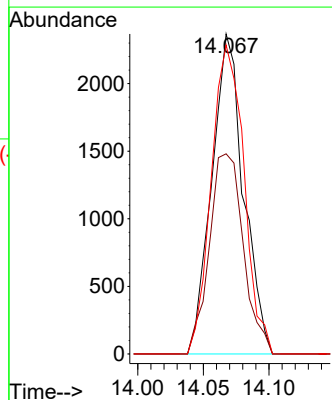
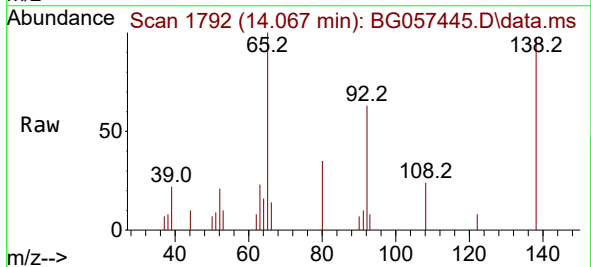
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

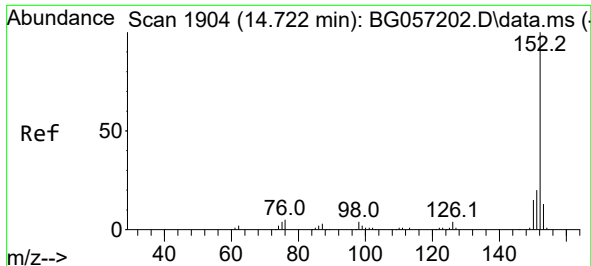
Tgt Ion:162 Resp: 14470
Ion Ratio Lower Upper
162 100
127 35.0 29.8 44.6
164 32.3 26.6 40.0



#48
2-Nitroaniline
Concen: 3.966 ng
RT: 14.067 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion: 65 Resp: 3976
Ion Ratio Lower Upper
65 100
92 62.6 52.1 78.1
138 96.5 75.3 112.9

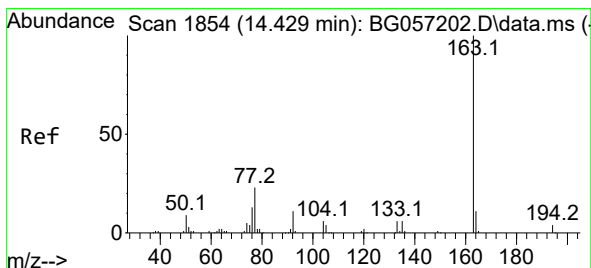
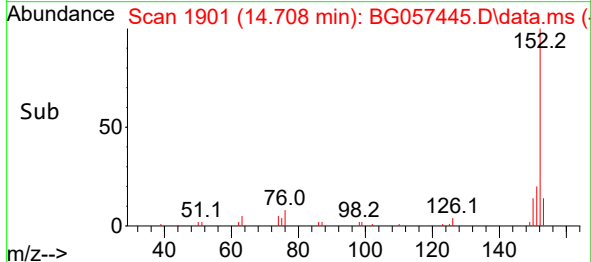
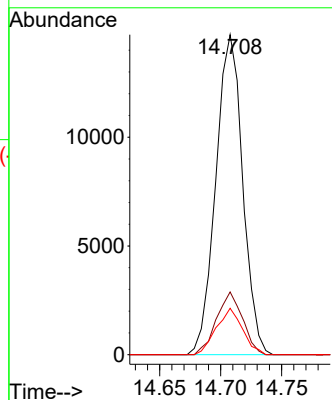
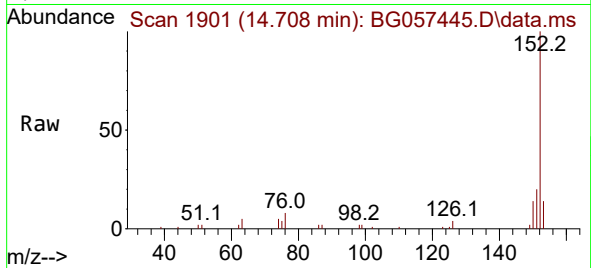




#49
Acenaphthylene
Concen: 4.711 ng
RT: 14.708 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

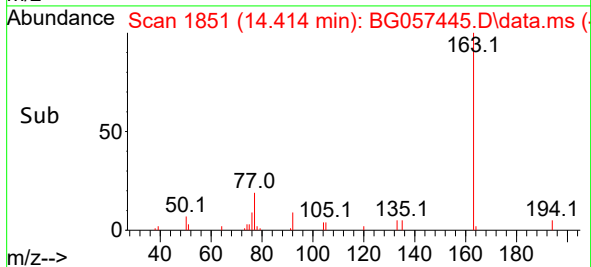
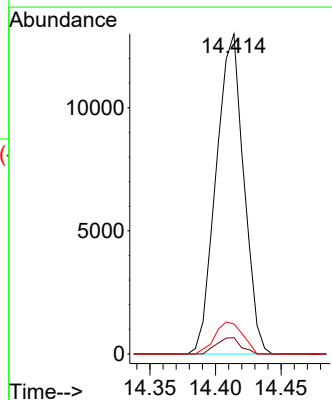
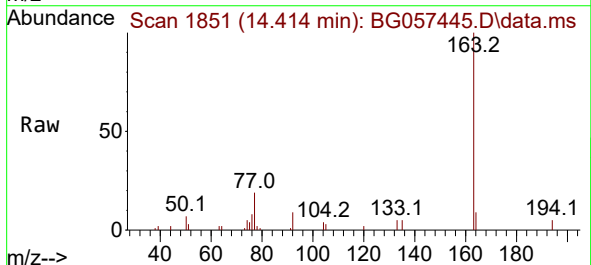
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

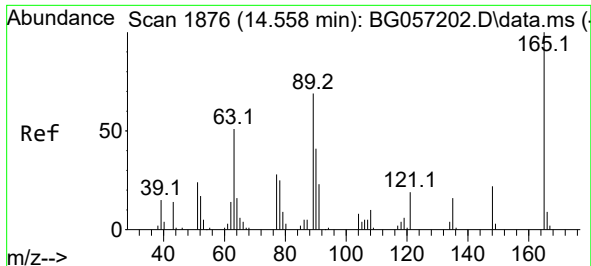
Tgt Ion:152 Resp: 22569
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 14.5 10.7 16.1



#50
Dimethylphthalate
Concen: 4.333 ng
RT: 14.414 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:163 Resp: 19025
Ion Ratio Lower Upper
163 100
194 5.1 3.4 5.2
164 9.4 8.8 13.2

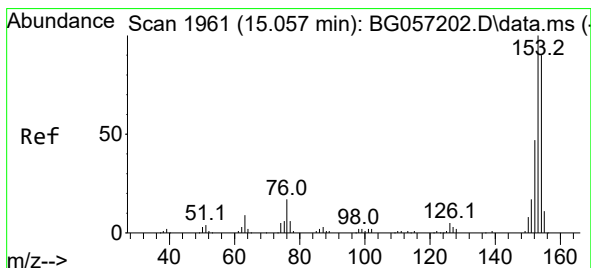
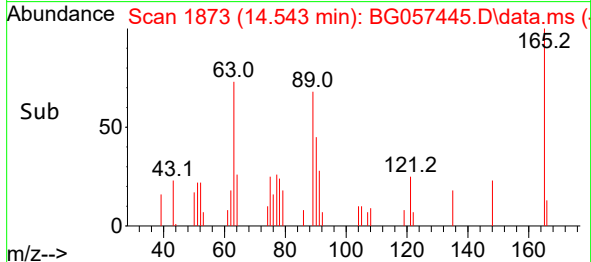
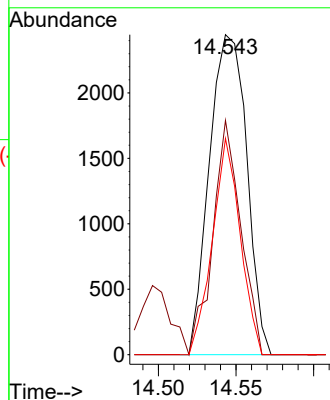
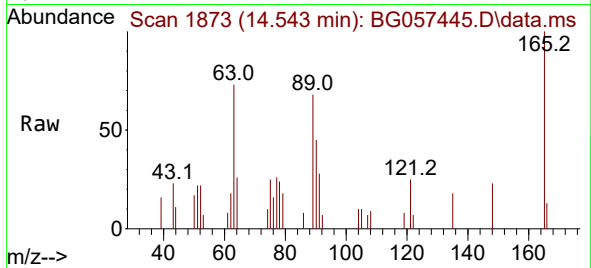




#51
2,6-Dinitrotoluene
Concen: 4.566 ng
RT: 14.543 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

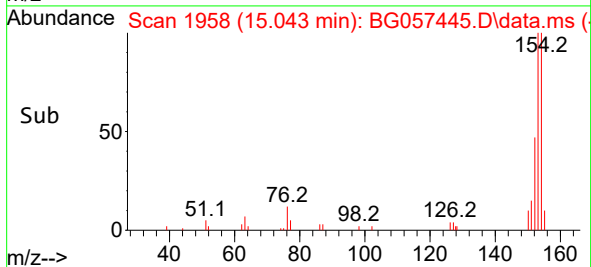
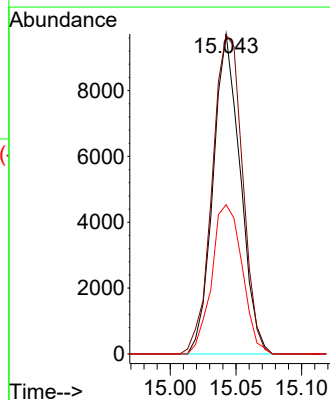
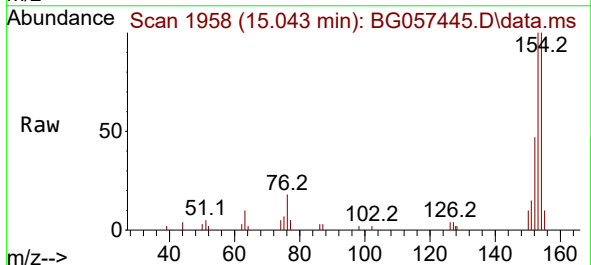
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

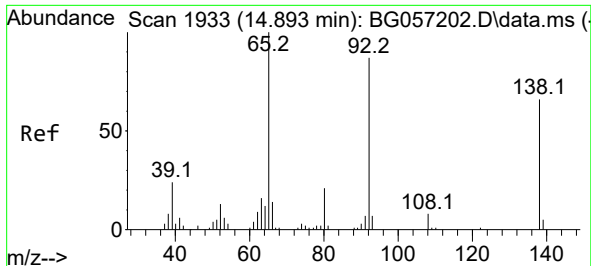
Tgt Ion:165 Resp: 4094
Ion Ratio Lower Upper
165 100
63 73.2 50.9 76.3
89 67.6 55.2 82.8



#52
Acenaphthene
Concen: 4.680 ng
RT: 15.043 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:154 Resp: 14010
Ion Ratio Lower Upper
154 100
153 99.7 89.3 133.9
152 46.7 41.7 62.5

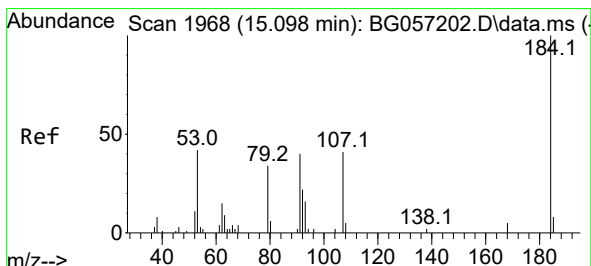
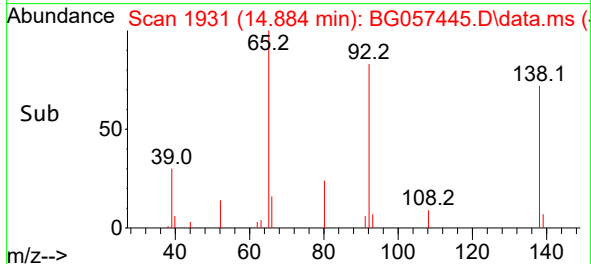
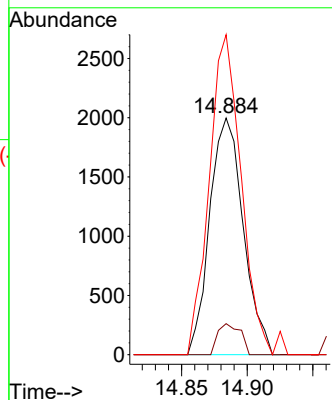
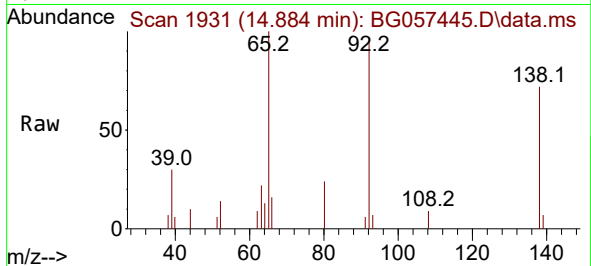




#53
3-Nitroaniline
Concen: 3.952 ng
RT: 14.884 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

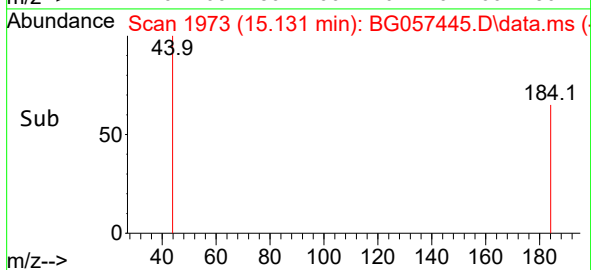
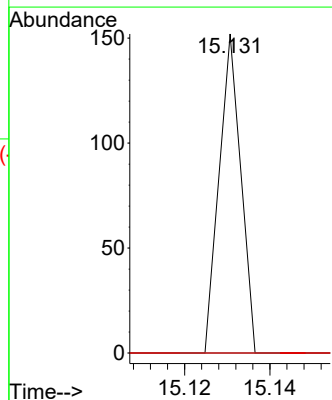
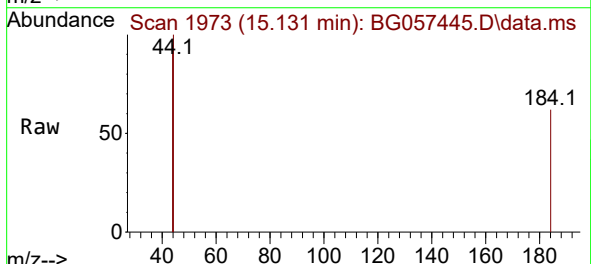
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

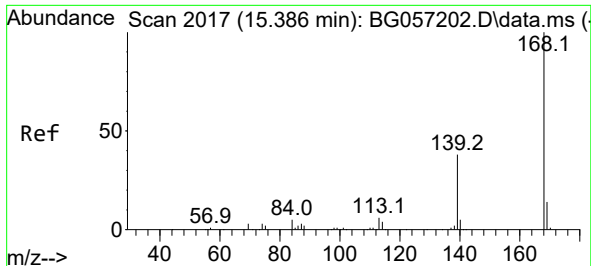
Tgt Ion:138 Resp: 3550
Ion Ratio Lower Upper
138 100
108 13.1 9.5 14.3
92 135.3 106.2 159.4



#54
2,4-Dinitrophenol
Concen: 5.008 ng
RT: 15.131 min Scan# 1973
Delta R.T. 0.035 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 48.2 72.4#
154 0.0 55.4 83.2#

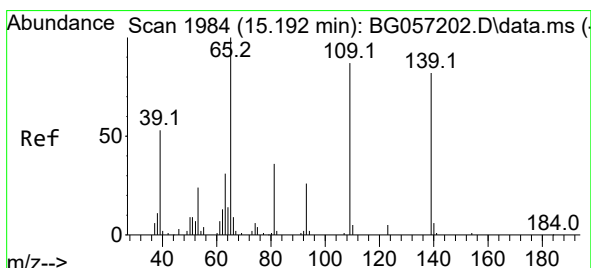
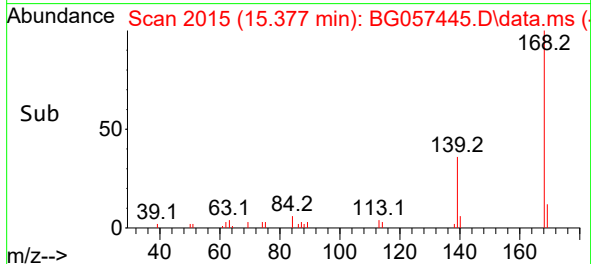
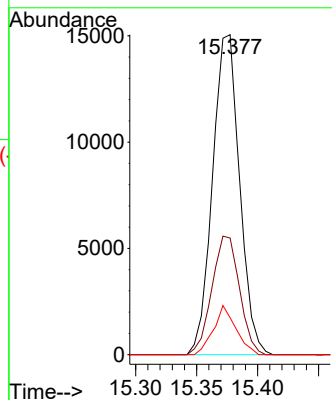
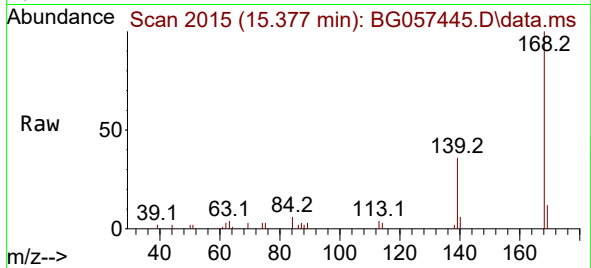




#55
Dibenzofuran
Concen: 4.616 ng
RT: 15.377 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

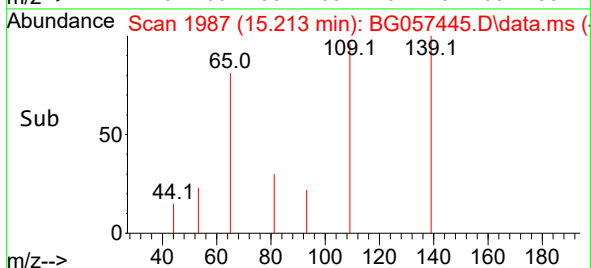
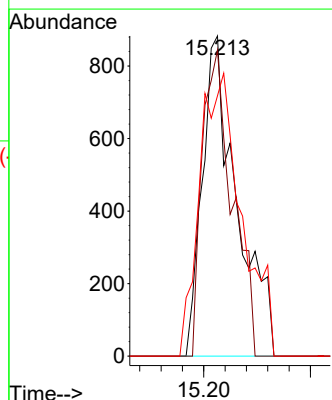
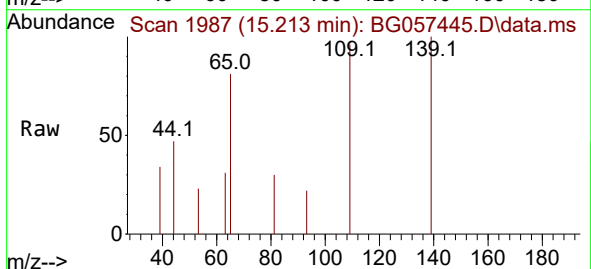
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

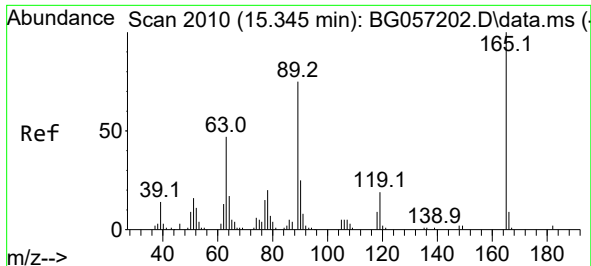
Tgt Ion:168 Resp: 23214
Ion Ratio Lower Upper
168 100
139 36.5 30.7 46.1
169 11.6 10.9 16.3



#56
4-Nitrophenol
Concen: 3.313 ng
RT: 15.213 min Scan# 1987
Delta R.T. 0.029 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:139 Resp: 1979
Ion Ratio Lower Upper
139 100
109 95.6 86.6 126.6
65 81.3 102.6 142.6#





#57

2,4-Dinitrotoluene

Concen: 4.273 ng

RT: 15.336 min Scan# 2010

Delta R.T. -0.000 min

Lab File: BG057445.D

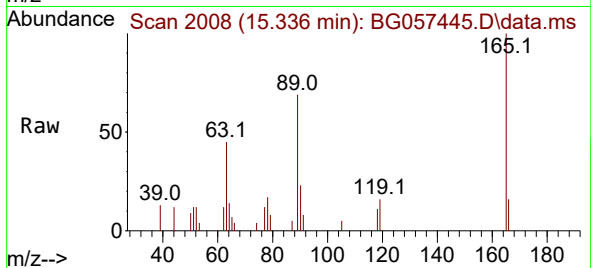
Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 5475

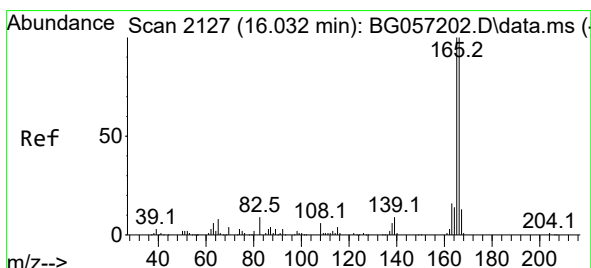
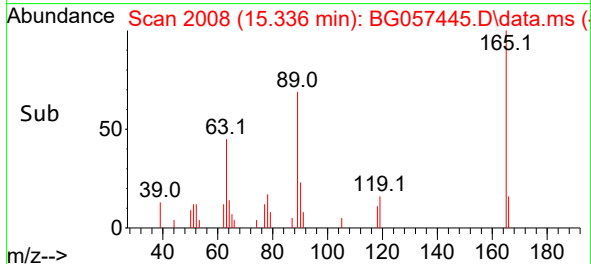
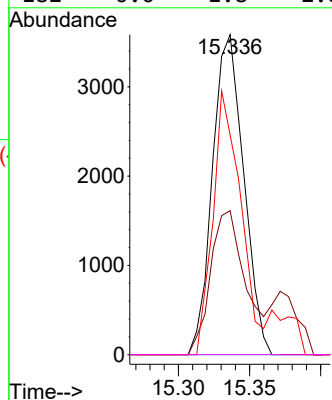
Ion Ratio Lower Upper

165 100

63 45.0 37.5 56.3

89 68.6 60.2 90.4

182 0.0 1.8 2.8#



#58

Fluorene

Concen: 4.732 ng

RT: 16.024 min Scan# 2125

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

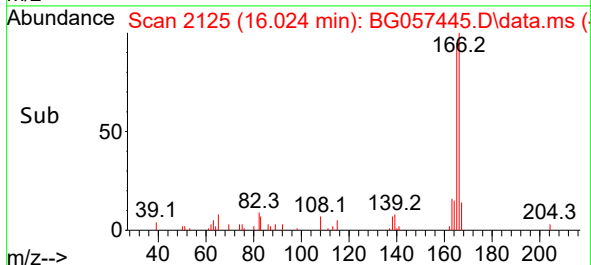
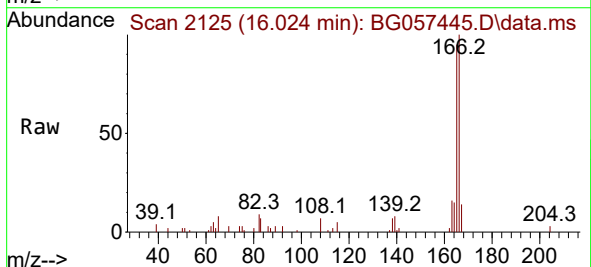
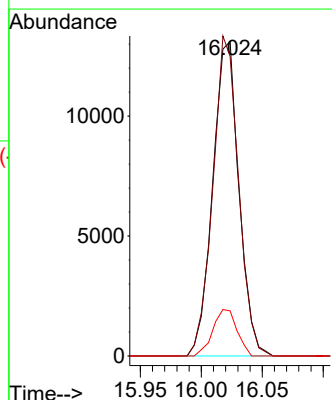
Tgt Ion:166 Resp: 19605

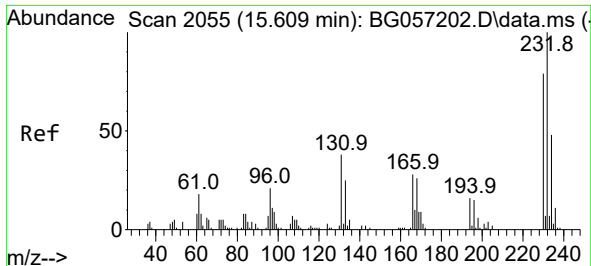
Ion Ratio Lower Upper

166 100

165 95.2 80.1 120.1

167 14.3 10.2 15.2

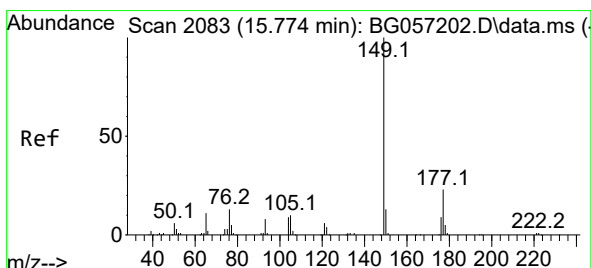
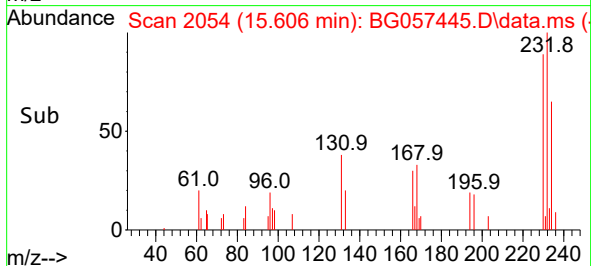
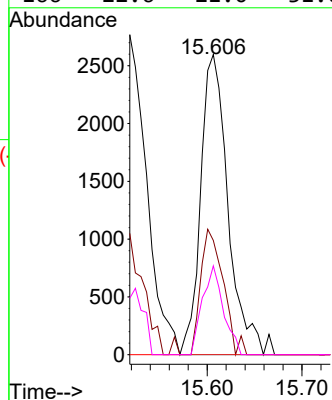
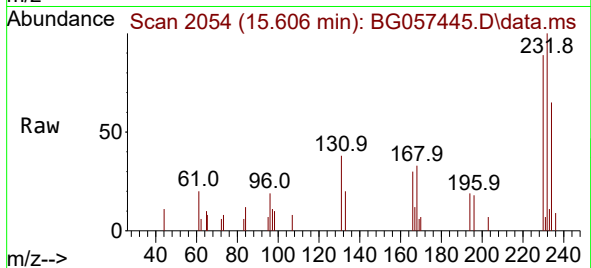




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.251 ng
RT: 15.606 min Scan# 2055
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

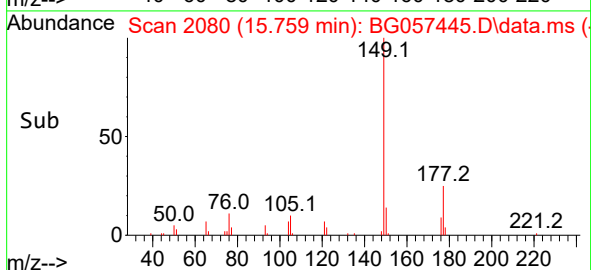
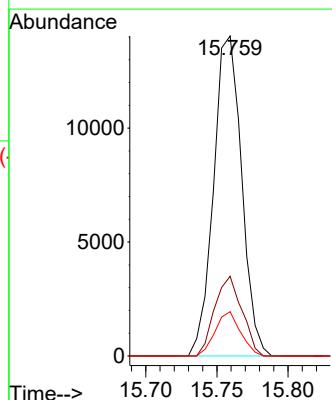
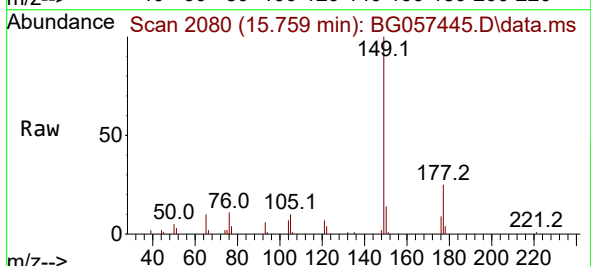
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

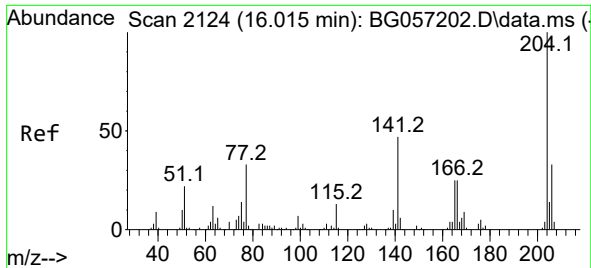
Tgt Ion:232 Resp: 5239
Ion Ratio Lower Upper
232 100
131 34.2 28.6 42.8
130 0.0 1.6 2.4#
166 22.6 21.0 31.6



#60
Diethylphthalate
Concen: 4.316 ng
RT: 15.759 min Scan# 2080
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:149 Resp: 19247
Ion Ratio Lower Upper
149 100
177 24.9 18.3 27.5
150 13.9 10.1 15.1

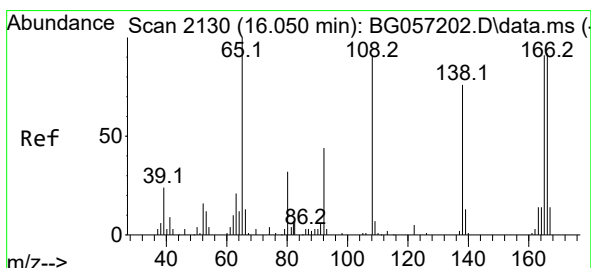
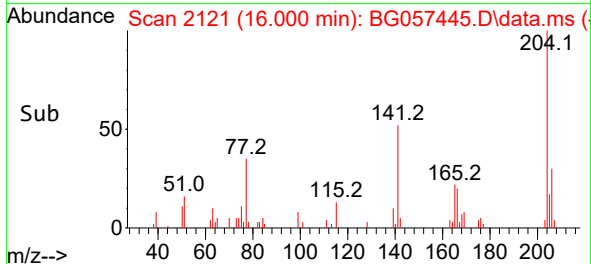
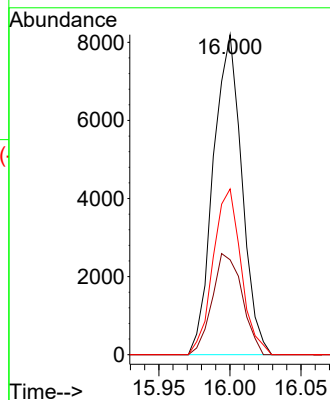
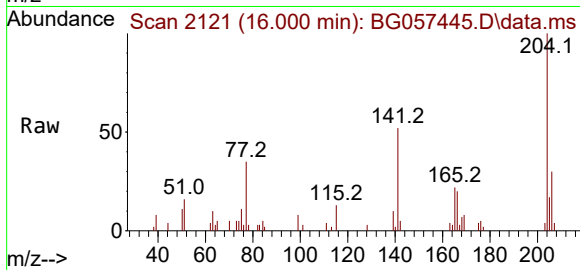




#61
4-Chlorophenyl-phenylether
Concen: 4.591 ng
RT: 16.000 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

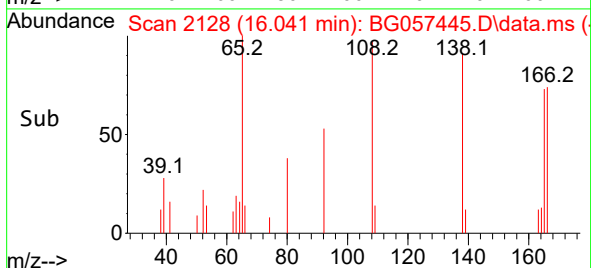
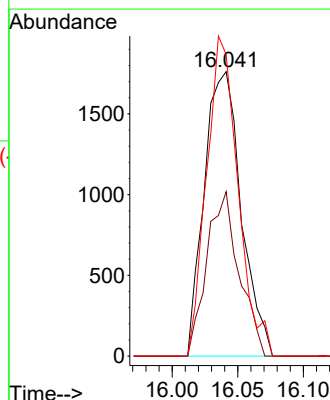
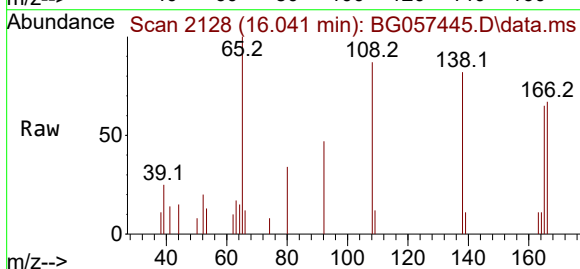
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

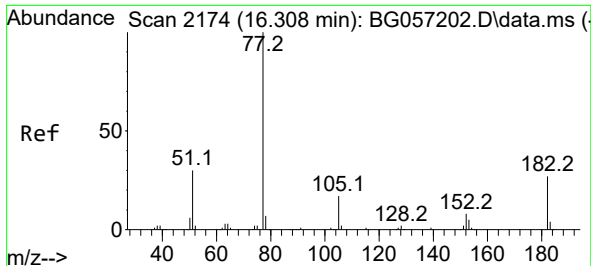
Tgt Ion:204 Resp: 11459
Ion Ratio Lower Upper
204 100
206 29.7 26.5 39.7
141 51.8 37.4 56.0



#62
4-Nitroaniline
Concen: 3.807 ng
RT: 16.041 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:138 Resp: 3450
Ion Ratio Lower Upper
138 100
92 57.8 38.2 78.2
108 106.0 99.6 139.6

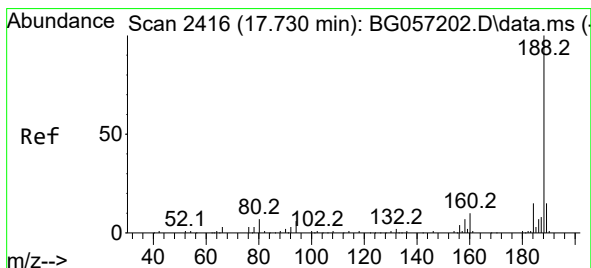
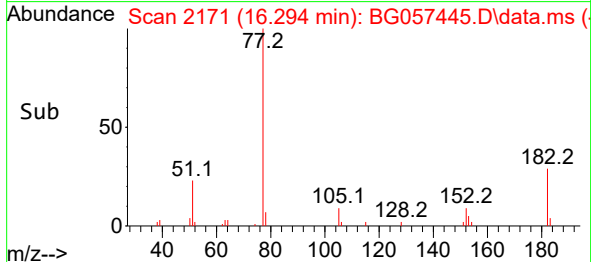
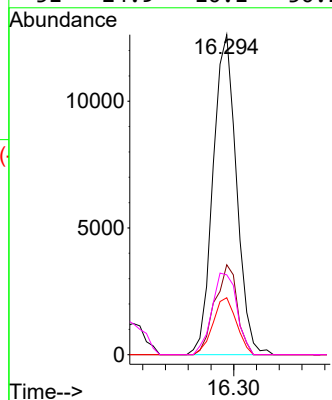
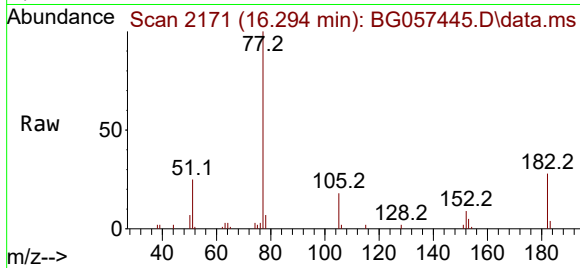




#63
 Azobenzene
 Concen: 4.195 ng
 RT: 16.294 min Scan# 2174
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

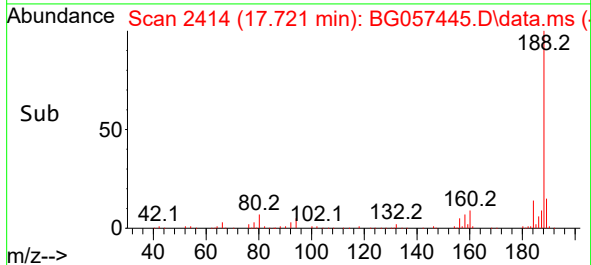
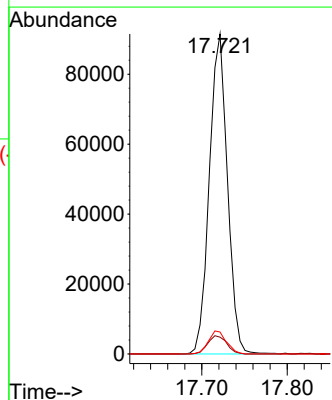
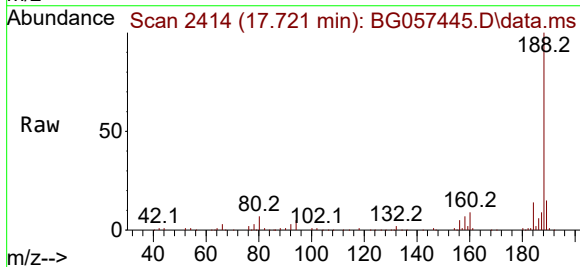
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

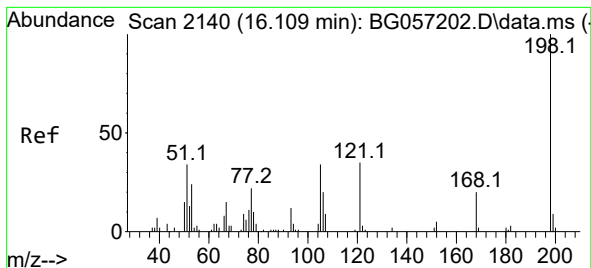
Tgt Ion: 77	Resp: 18051
Ion Ratio	Lower Upper
77 100	
182 28.1	7.4 47.4
105 17.8	0.0 37.2
51 24.9	10.1 50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.721 min Scan# 2414
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

Tgt Ion: 188	Resp: 134910
Ion Ratio	Lower Upper
188 100	
94 5.2	5.1 7.7
80 6.9	5.7 8.5

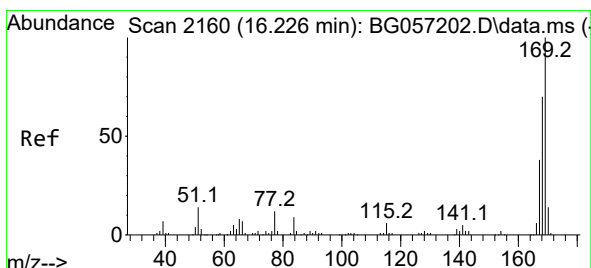
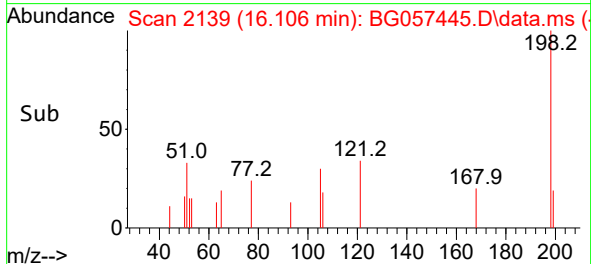
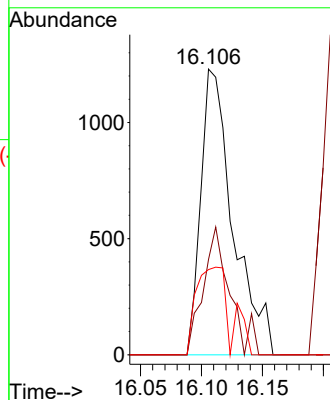
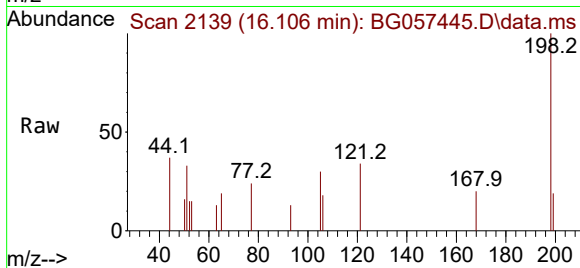




#65
4,6-Dinitro-2-methylphenol
Concen: 2.812 ng
RT: 16.106 min Scan# 2140
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

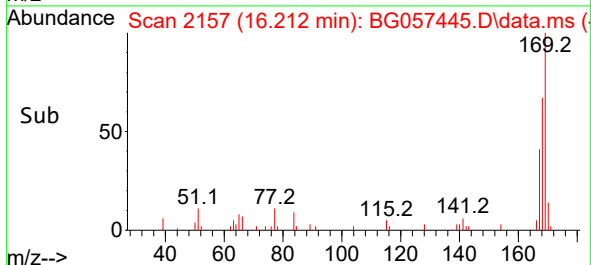
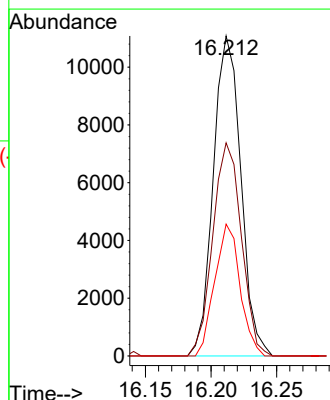
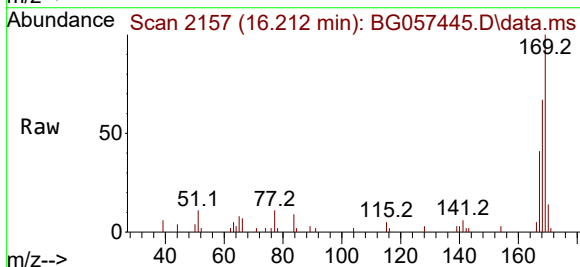
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

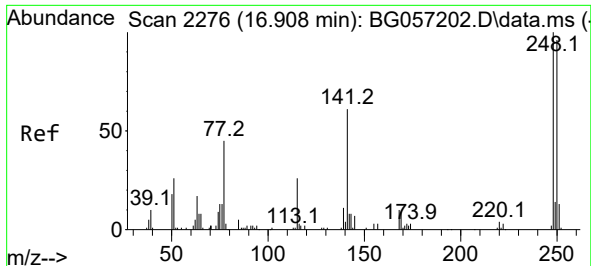
Tgt Ion:198 Resp: 2265
Ion Ratio Lower Upper
198 100
51 33.3 16.1 56.1
105 29.8 14.0 54.0



#66
n-Nitrosodiphenylamine
Concen: 4.415 ng
RT: 16.212 min Scan# 2157
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:169 Resp: 16176
Ion Ratio Lower Upper
169 100
168 66.6 56.2 84.4
167 41.2 30.2 45.4

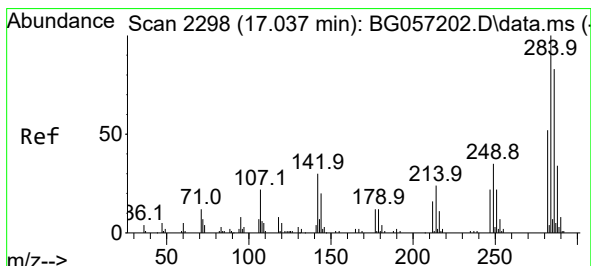
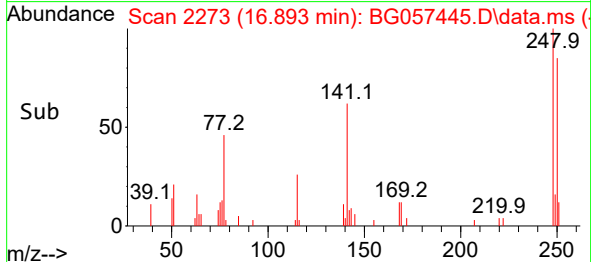
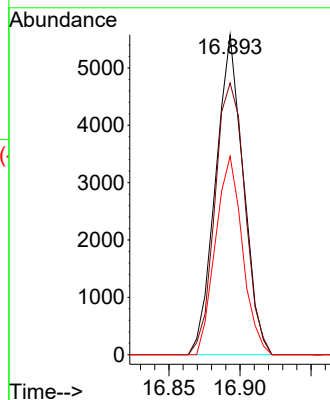
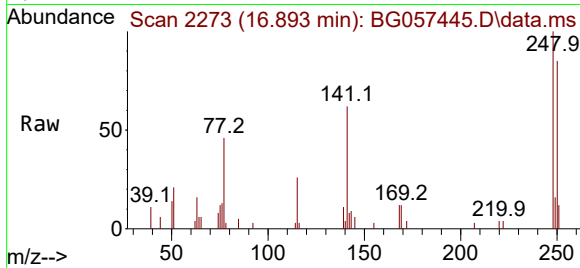




#67
4-Bromophenyl-phenylether
Concen: 4.588 ng
RT: 16.893 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

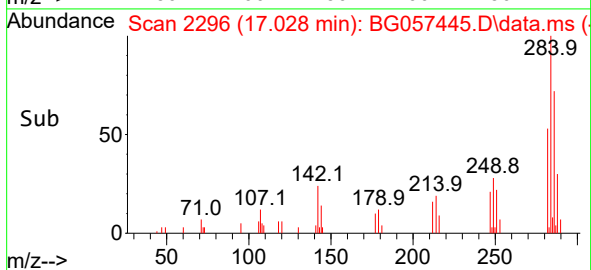
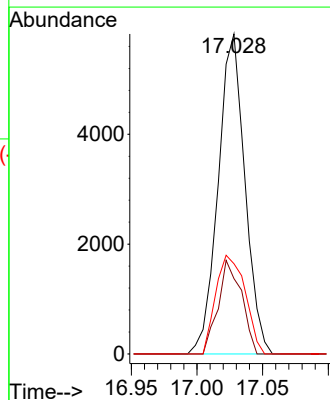
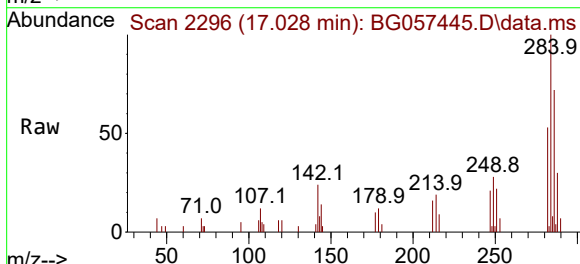
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

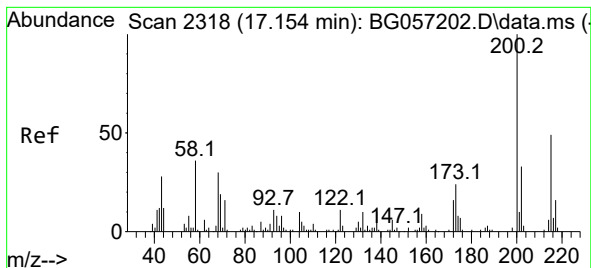
Tgt Ion:248 Resp: 7556
Ion Ratio Lower Upper
248 100
250 84.9 77.0 115.6
141 62.0 48.6 72.8



#68
Hexachlorobenzene
Concen: 5.162 ng
RT: 17.028 min Scan# 2296
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:284 Resp: 8261
Ion Ratio Lower Upper
284 100
142 23.6 23.9 35.9#
249 28.2 27.7 41.5





#69

Atrazine

Concen: 5.180 ng

RT: 17.146 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

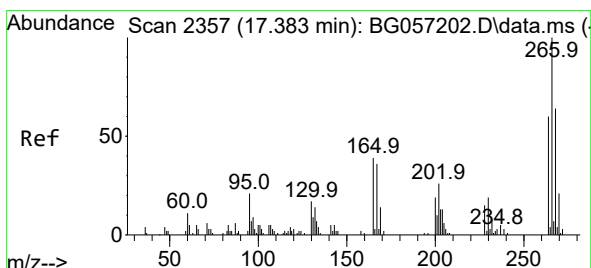
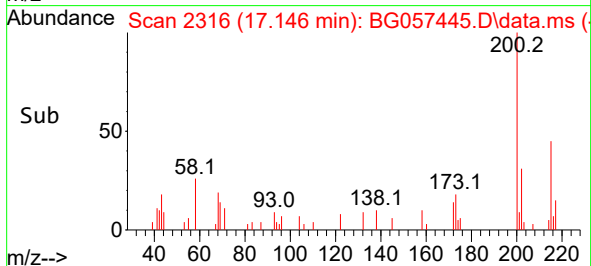
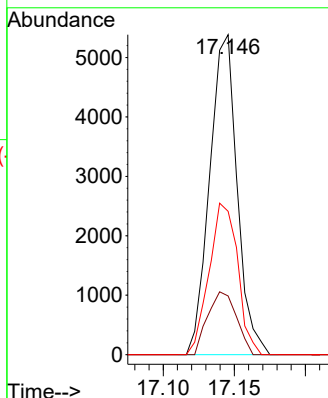
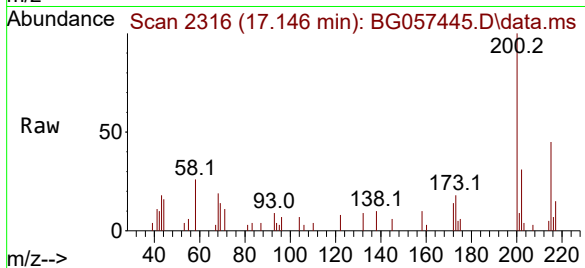
Tgt Ion:200 Resp: 7240

Ion Ratio Lower Upper

200 100

173 18.3 4.3 44.3

215 44.8 29.3 69.3



#70

Pentachlorophenol

Concen: 1.485 ng

RT: 17.392 min Scan# 2358

Delta R.T. 0.018 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

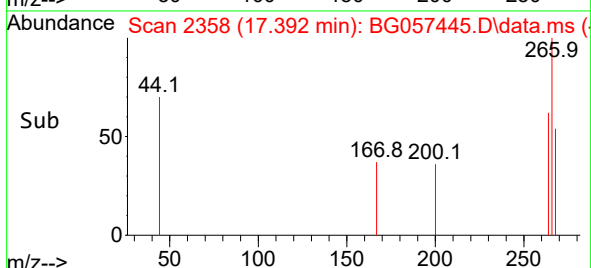
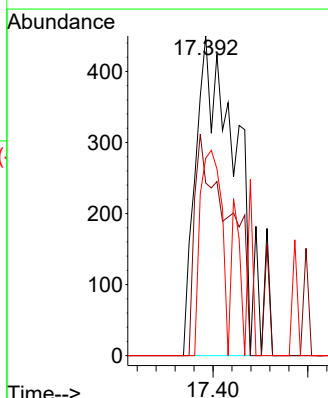
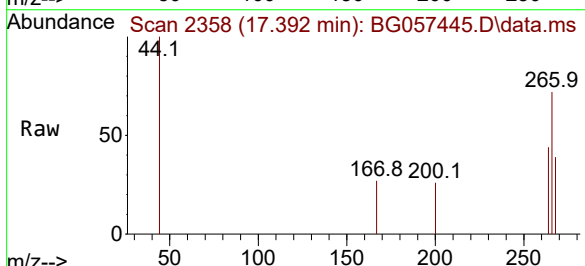
Tgt Ion:266 Resp: 1370

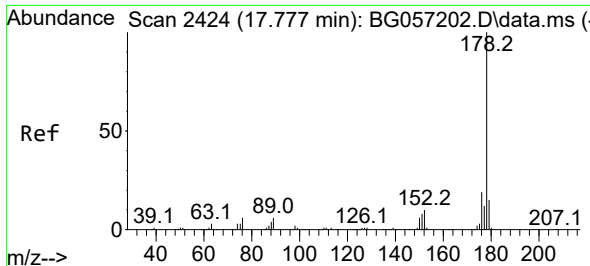
Ion Ratio Lower Upper

266 100

268 54.0 51.0 76.6

264 61.8 47.8 71.6

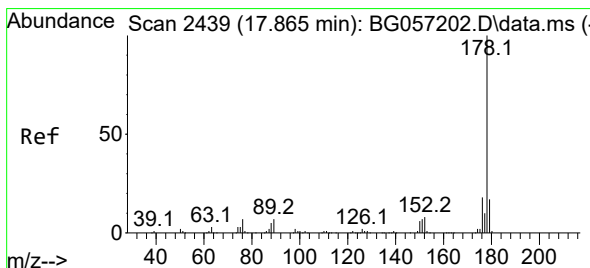
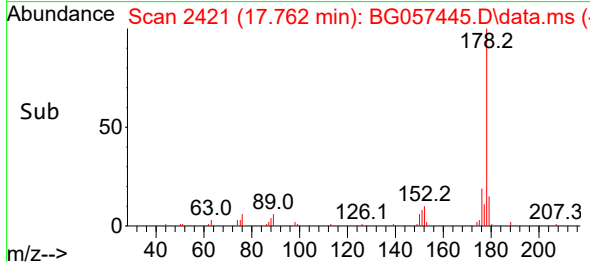
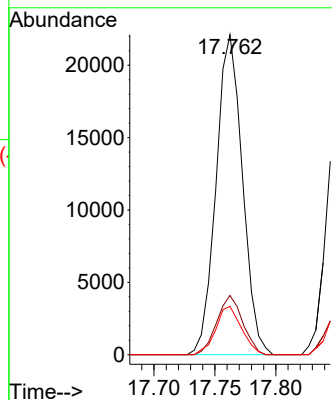
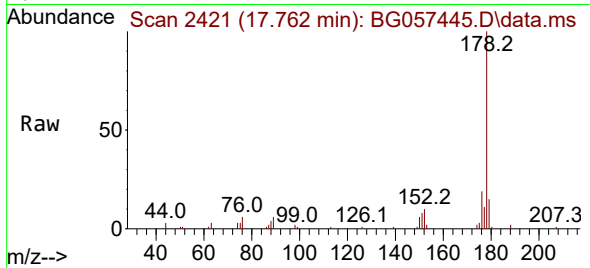




#71
Phenanthrene
Concen: 4.805 ng
RT: 17.762 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

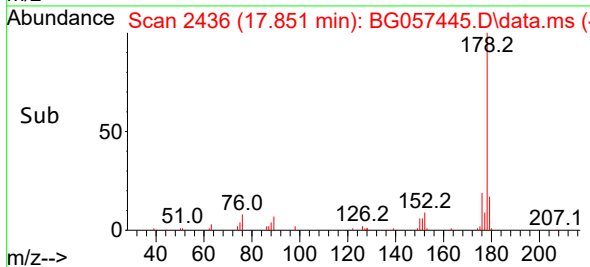
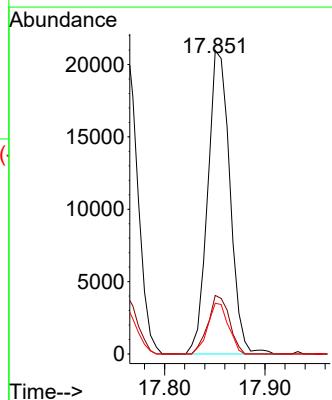
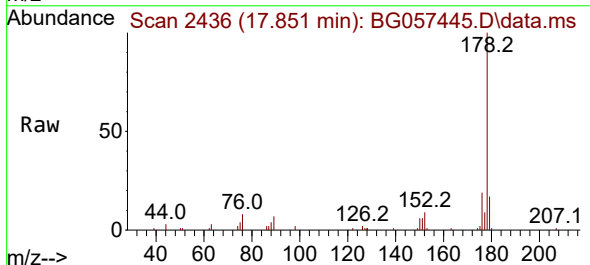
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

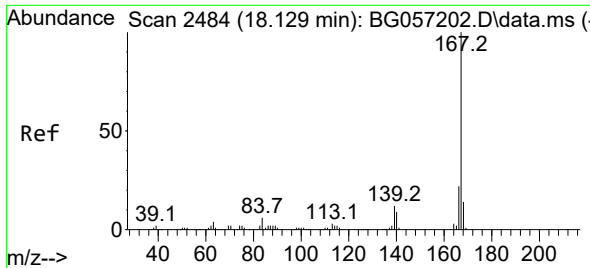
Tgt Ion:178 Resp: 33218
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.1 12.3 18.5



#72
Anthracene
Concen: 4.540 ng
RT: 17.851 min Scan# 2436
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:178 Resp: 32201
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 16.7 13.2 19.8

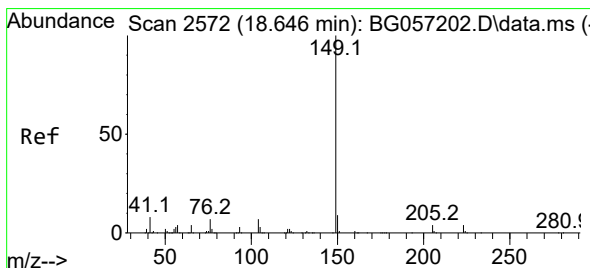
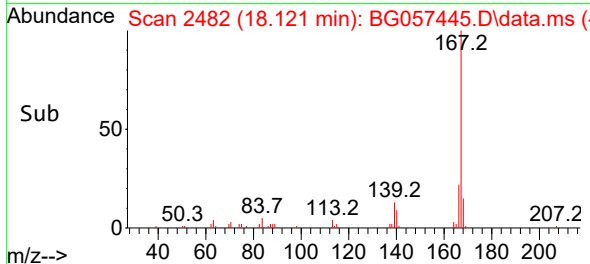
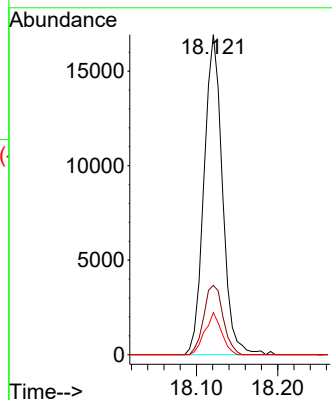
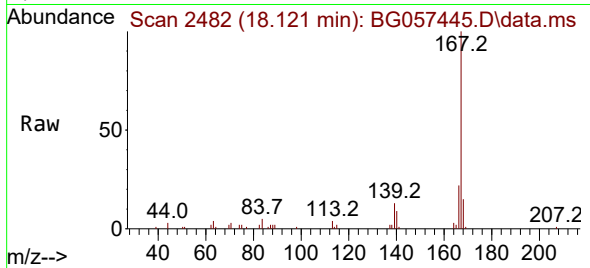




#73
 Carbazole
 Concen: 4.451 ng
 RT: 18.121 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

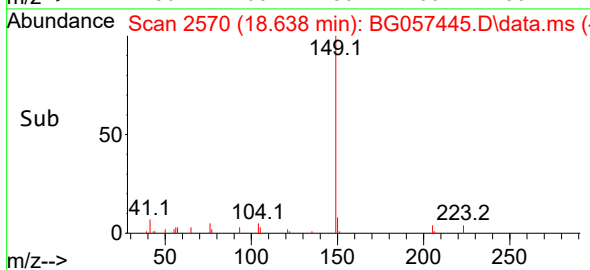
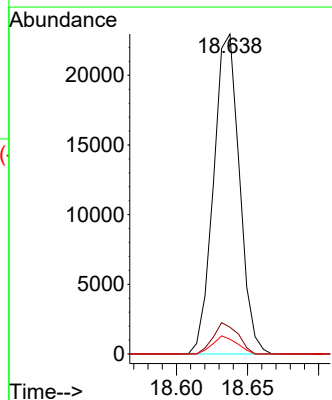
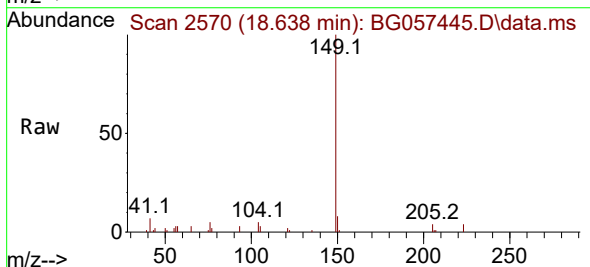
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

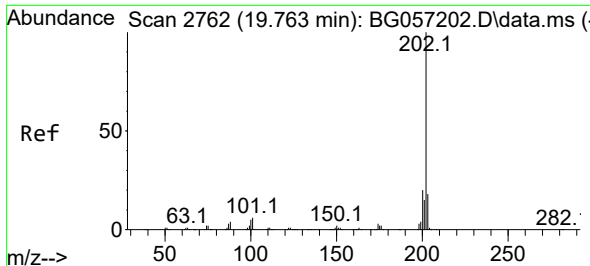
Tgt Ion:167 Resp: 26577
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.4 26.0
 139 13.2 9.6 14.4



#74
 Di-n-butylphthalate
 Concen: 4.229 ng
 RT: 18.638 min Scan# 2570
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

Tgt Ion:149 Resp: 29054
 Ion Ratio Lower Upper
 149 100
 150 8.3 7.3 10.9
 104 4.6 5.4 8.2#

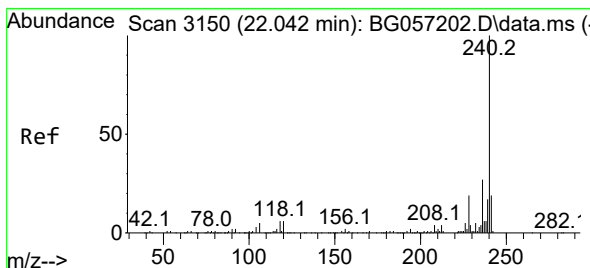
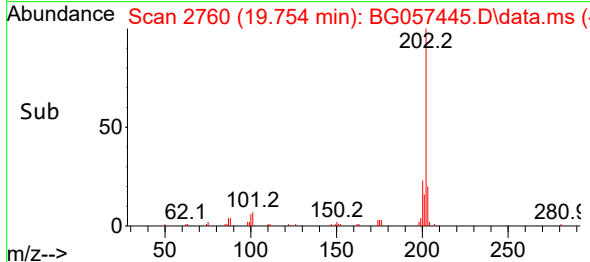
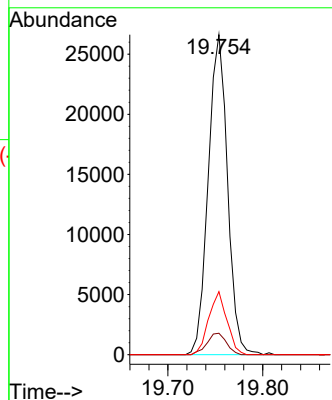
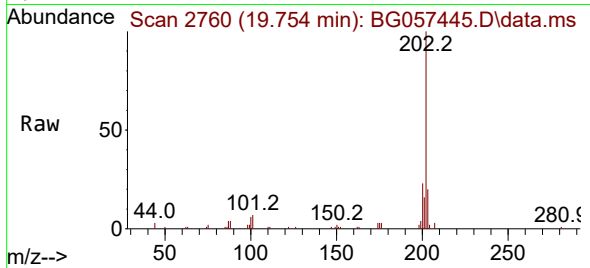




#75
Fluoranthene
Concen: 4.374 ng
RT: 19.754 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

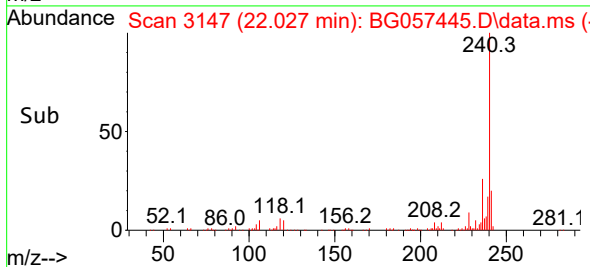
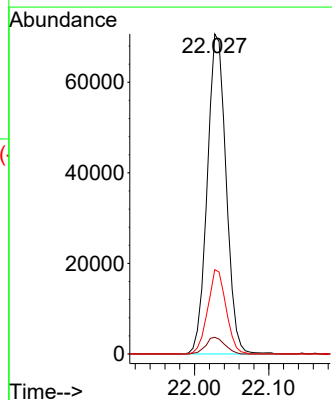
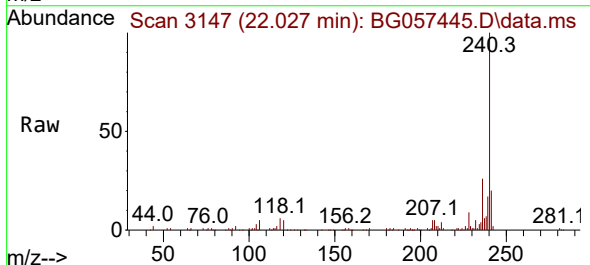
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

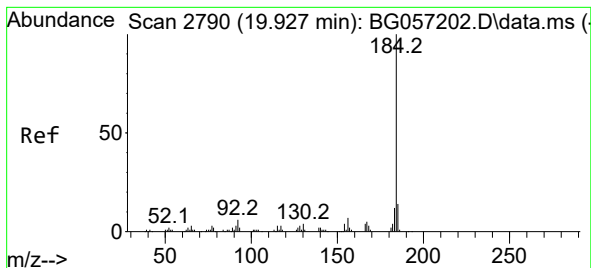
Tgt Ion:202 Resp: 37608
Ion Ratio Lower Upper
202 100
101 6.7 0.0 26.2
203 19.7 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.027 min Scan# 3147
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:240 Resp: 124672
Ion Ratio Lower Upper
240 100
120 5.2 4.9 7.3
236 26.3 21.4 32.2





#77

Benzidine

Concen: 6.204 ng

RT: 19.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

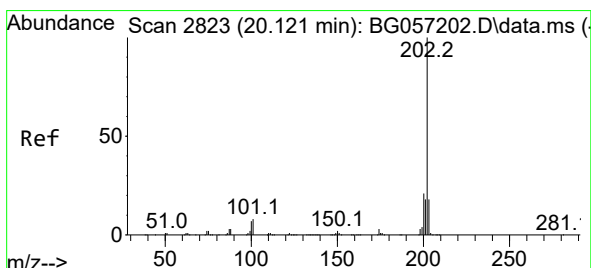
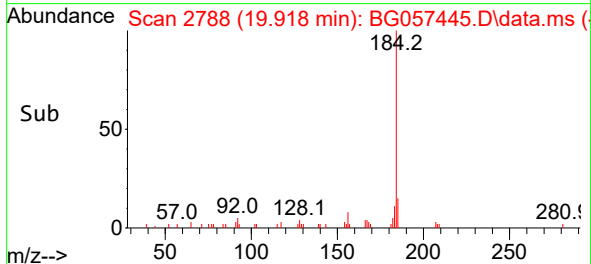
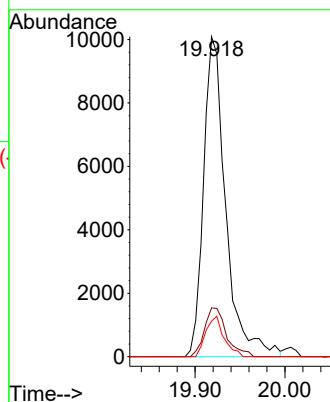
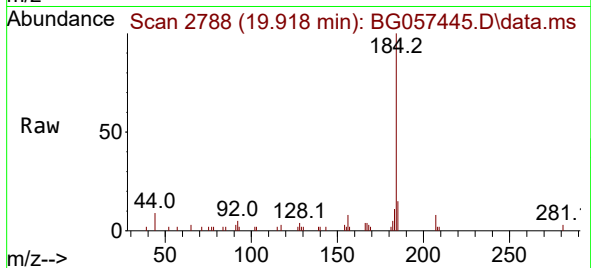
Tgt Ion:184 Resp: 17291

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

183 11.1 9.9 14.9



#78

Pyrene

Concen: 4.417 ng

RT: 20.112 min Scan# 2821

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

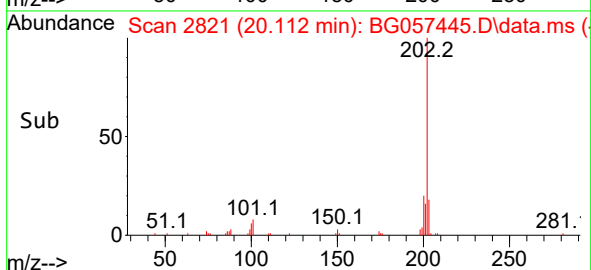
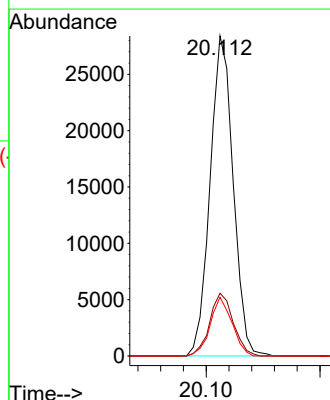
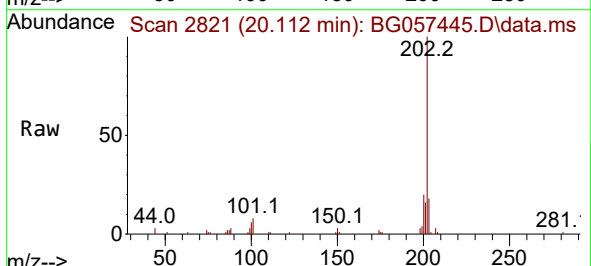
Tgt Ion:202 Resp: 40012

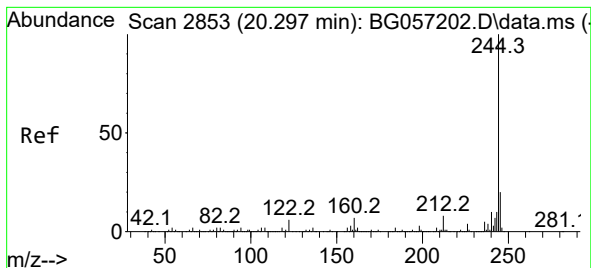
Ion Ratio Lower Upper

202 100

200 19.6 17.0 25.4

203 18.4 14.2 21.4





#79

Terphenyl-d14

Concen: 73.942 ng

RT: 20.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

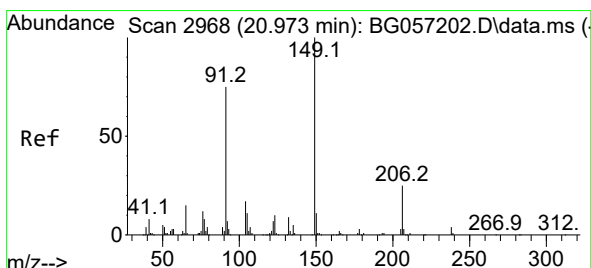
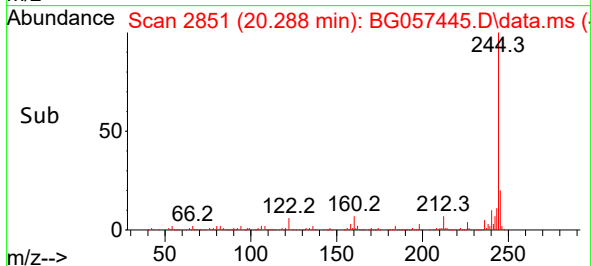
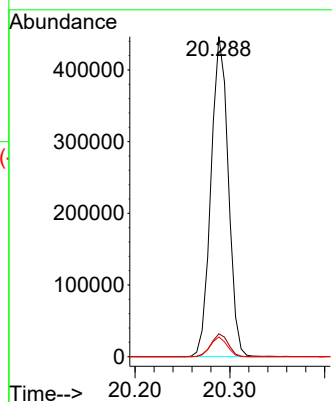
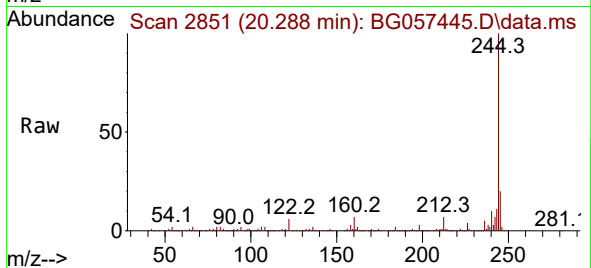
Tgt Ion:244 Resp: 564885

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 6.2 5.1 7.7



#80

Butylbenzylphthalate

Concen: 4.329 ng

RT: 20.964 min Scan# 2966

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

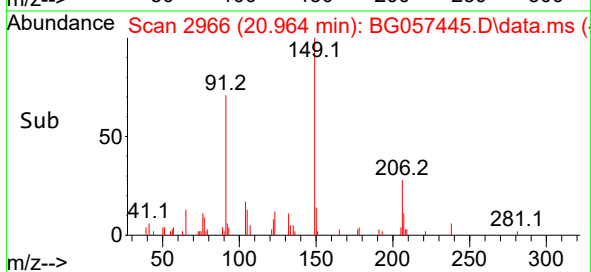
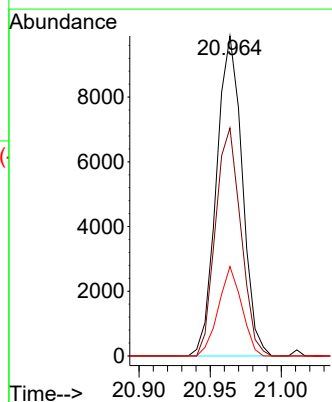
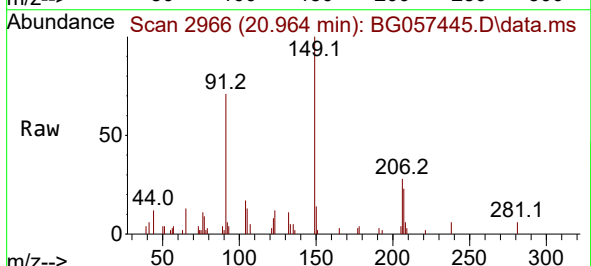
Tgt Ion:149 Resp: 12443

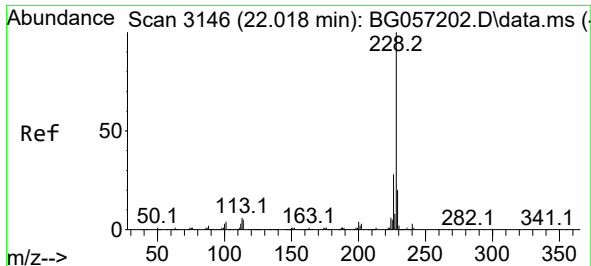
Ion Ratio Lower Upper

149 100

91 71.2 59.7 89.5

206 28.0 19.7 29.5

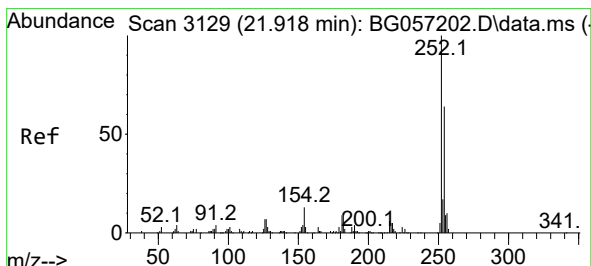
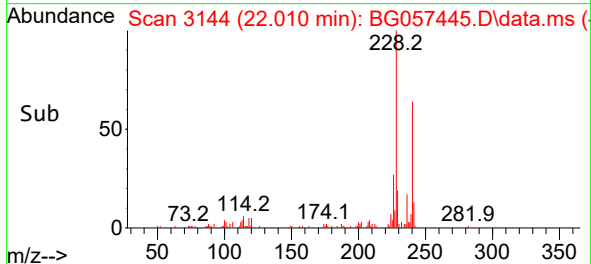
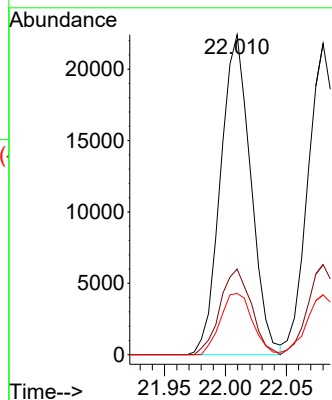
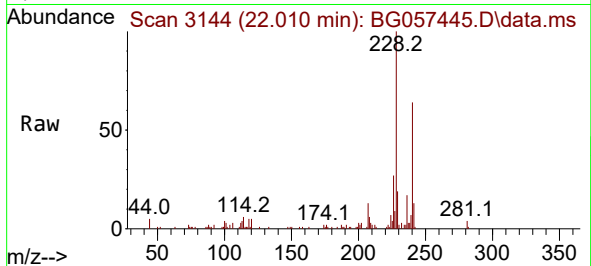




#81
Benzo(a)anthracene
Concen: 4.354 ng
RT: 22.010 min Scan# 3146
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

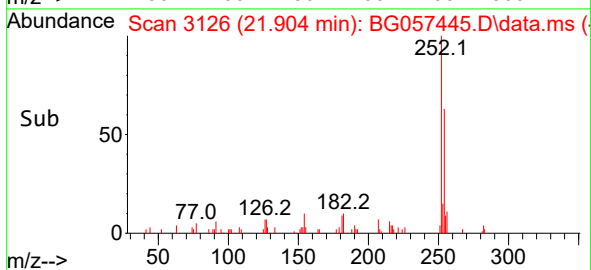
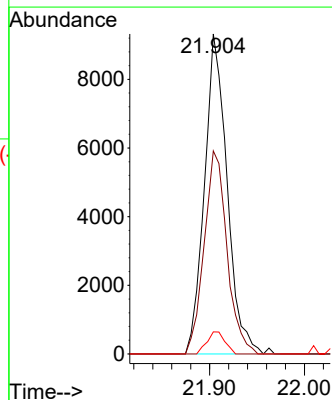
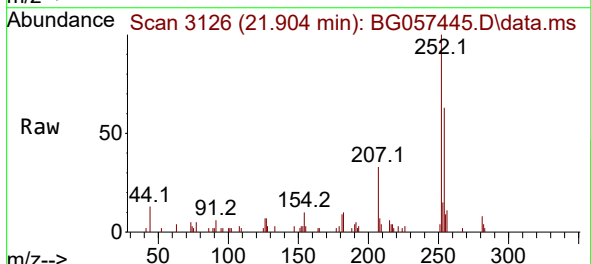
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

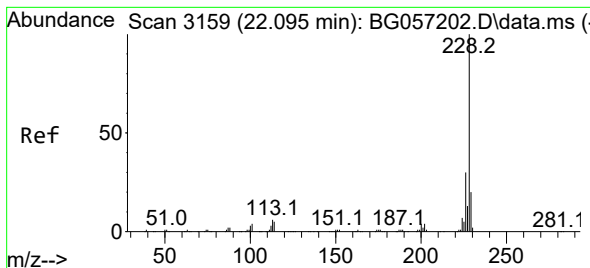
Tgt Ion:228 Resp: 38670
Ion Ratio Lower Upper
228 100
226 26.8 22.0 33.0
229 19.1 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 5.433 ng
RT: 21.904 min Scan# 3126
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:252 Resp: 15457
Ion Ratio Lower Upper
252 100
254 63.4 51.4 77.0
126 6.9 5.9 8.9





#83

Chrysene

Concen: 4.455 ng

RT: 22.080 min Scan# 3117

Delta R.T. -0.000 min

Lab File: BG057445.D

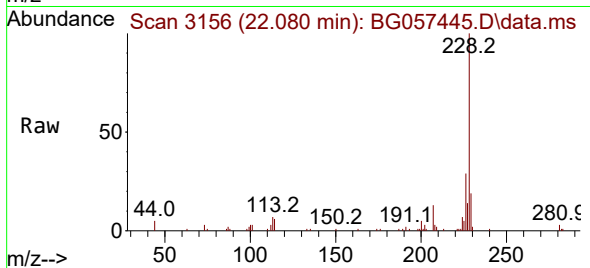
Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



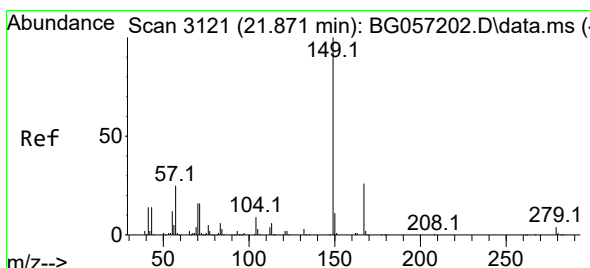
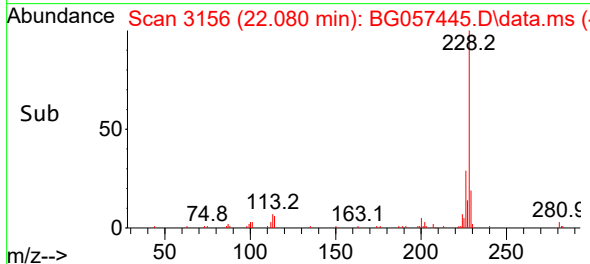
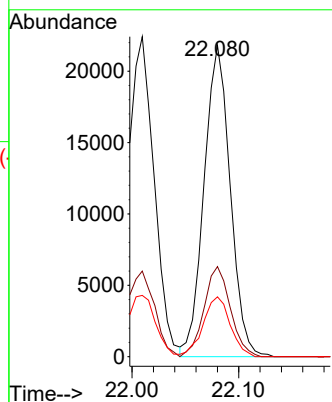
Tgt Ion:228 Resp: 37234

Ion Ratio Lower Upper

228 100

226 28.9 24.3 36.5

229 19.2 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.295 ng

RT: 21.851 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

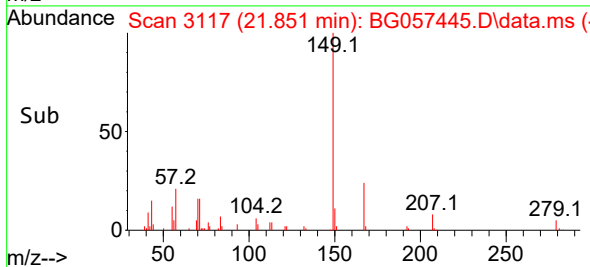
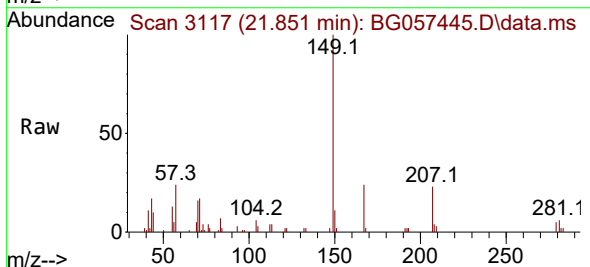
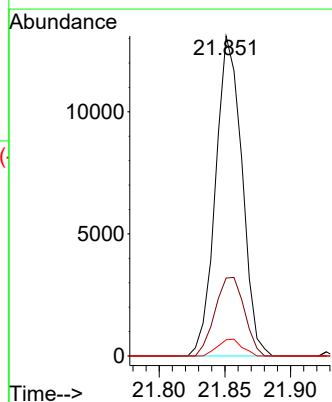
Tgt Ion:149 Resp: 18266

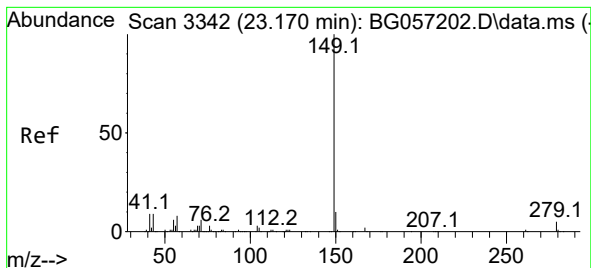
Ion Ratio Lower Upper

149 100

167 24.3 21.2 31.8

279 5.1 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 4.346 ng

RT: 23.149 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG057445.D

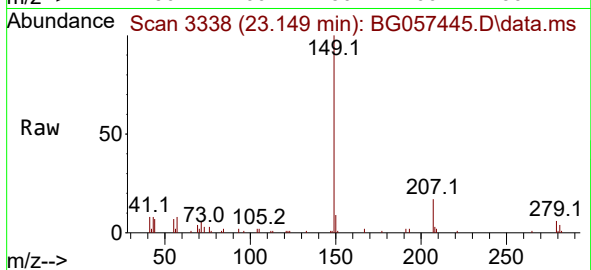
Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



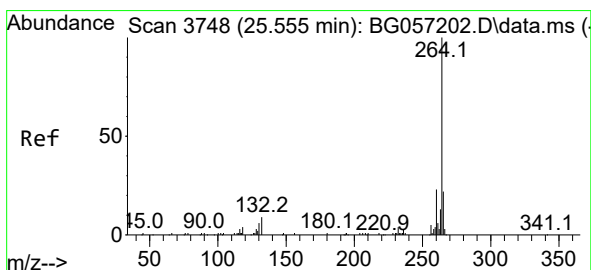
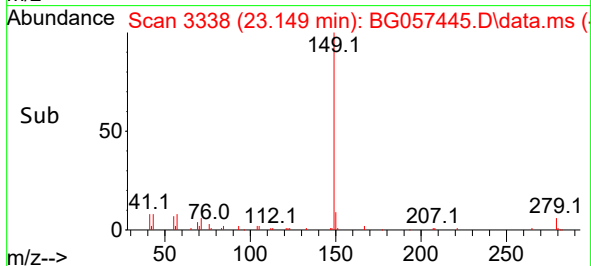
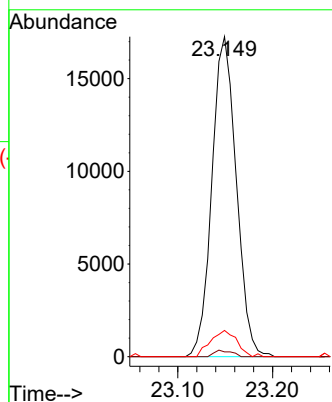
Tgt Ion:149 Resp: 30817

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

43 8.9 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.540 min Scan# 3745

Delta R.T. 0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

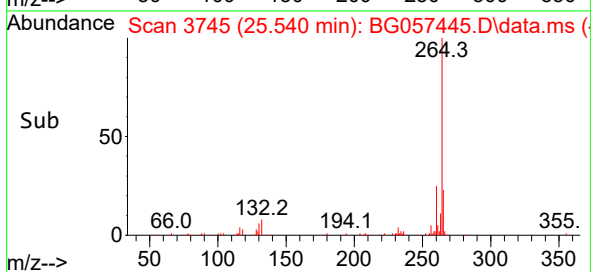
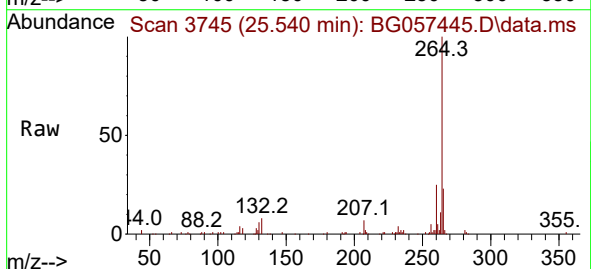
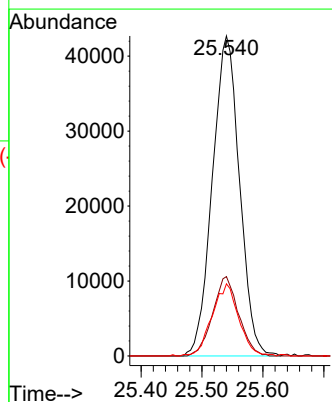
Tgt Ion:264 Resp: 131882

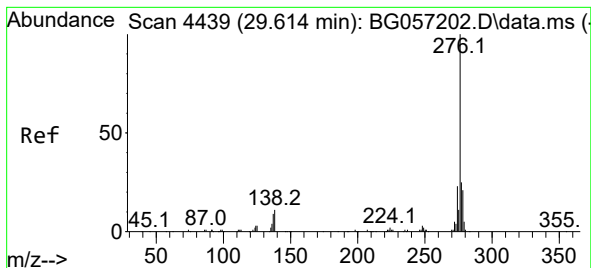
Ion Ratio Lower Upper

264 100

260 24.8 18.8 28.2

265 22.6 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.388 ng

RT: 29.593 min Scan# 4435

Delta R.T. -0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

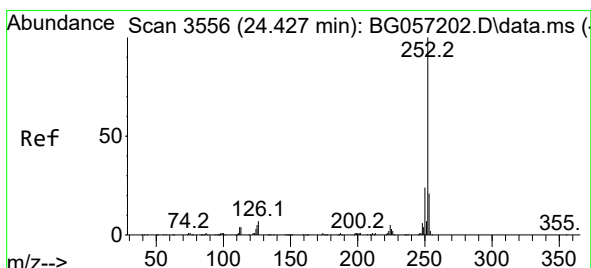
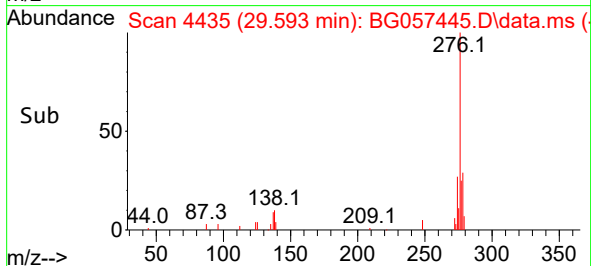
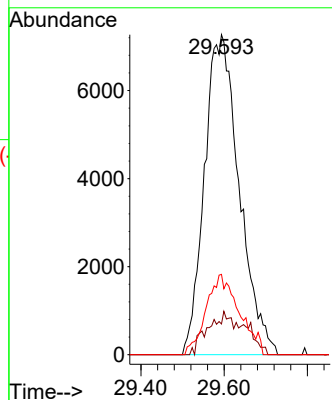
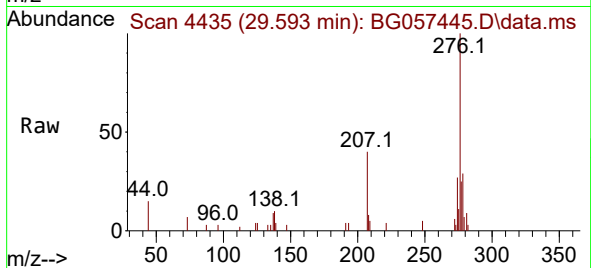
Tgt Ion:276 Resp: 42172

Ion Ratio Lower Upper

276 100

138 4.5 5.4 8.0#

277 23.9 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 4.516 ng

RT: 24.412 min Scan# 3553

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

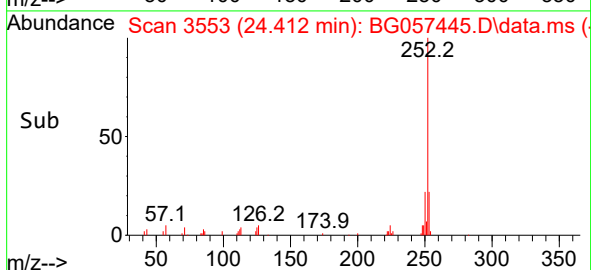
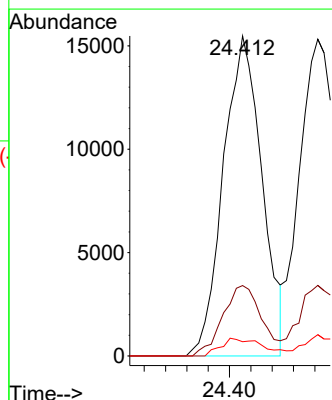
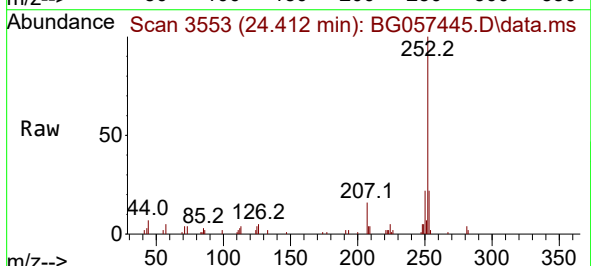
Tgt Ion:252 Resp: 38929

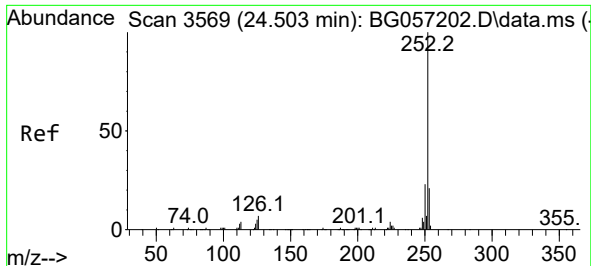
Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

125 4.5 4.2 6.2





#89

Benzo(k)fluoranthene

Concen: 4.444 ng

RT: 24.412 min Scan# 3

Delta R.T. -0.076 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

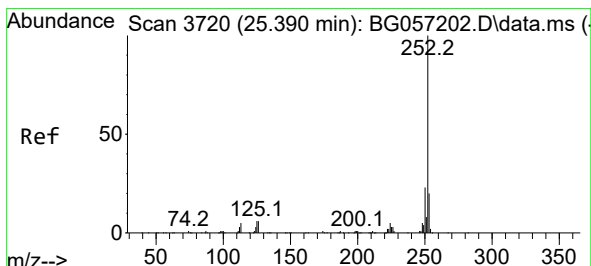
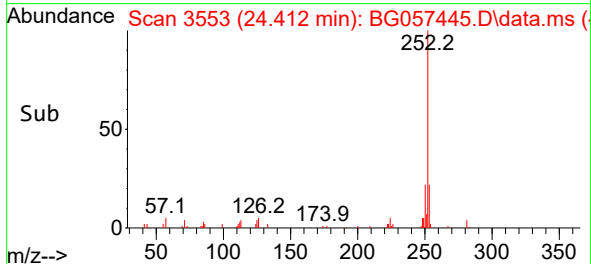
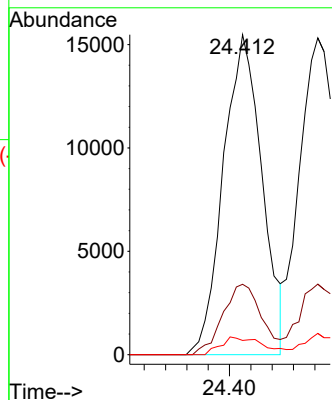
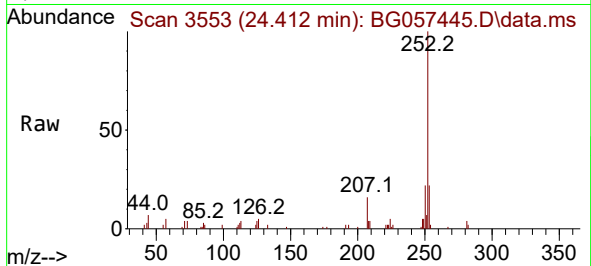
Tgt Ion:252 Resp: 38929

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 4.5 4.1 6.1



#90

Benzo(a)pyrene

Concen: 4.010 ng

RT: 25.370 min Scan# 3716

Delta R.T. -0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

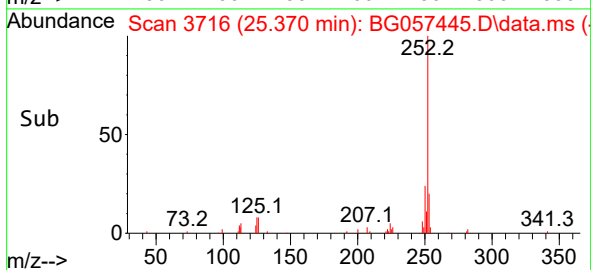
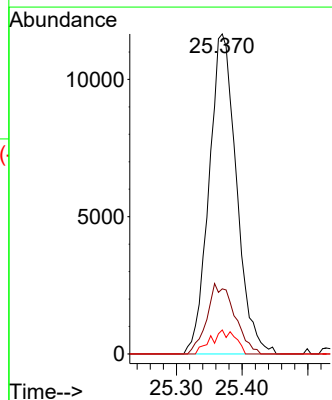
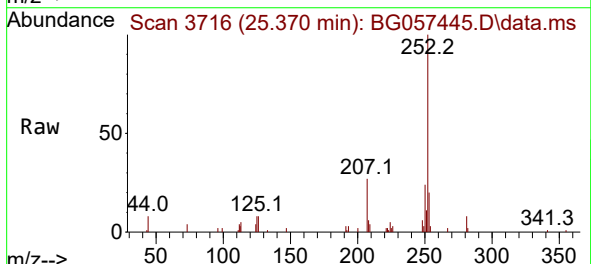
Tgt Ion:252 Resp: 33773

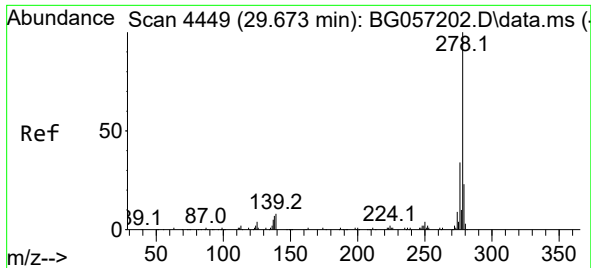
Ion Ratio Lower Upper

252 100

253 20.4 16.3 24.5

125 7.5 5.0 7.4#

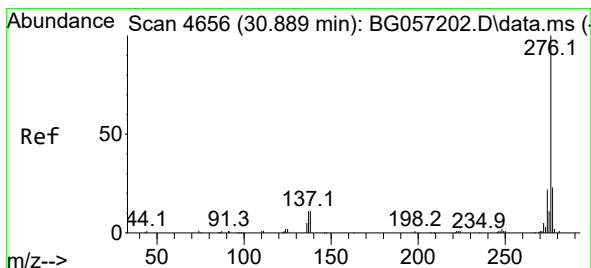
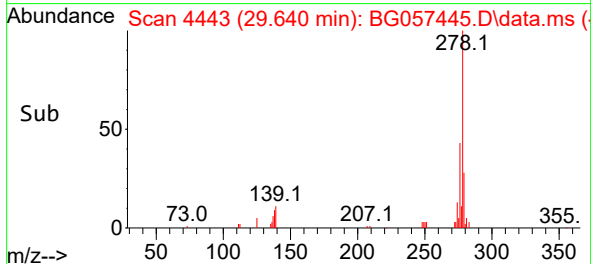
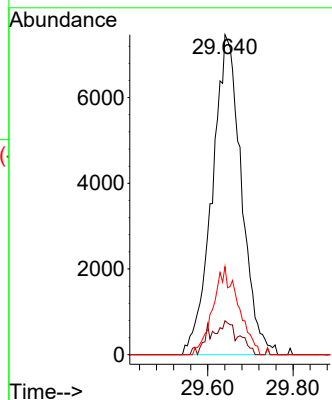
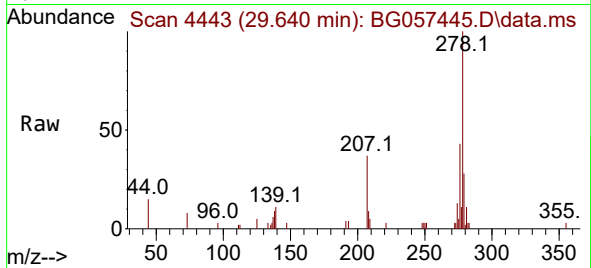




#91
Dibenzo(a,h)anthracene
Concen: 4.444 ng
RT: 29.640 min Scan# 4443
Delta R.T. -0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

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

Tgt Ion:278 Resp: 35573
Ion Ratio Lower Upper
278 100
139 10.6 6.2 9.2#
279 27.5 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 4.445 ng
RT: 30.862 min Scan# 4651
Delta R.T. -0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:276 Resp: 34738
Ion Ratio Lower Upper
276 100
277 19.3 18.4 27.6
138 11.8 9.0 13.4

