

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
 Data File : BG056939.D
 Acq On : 31 Mar 2023 9:53
 Operator : CG/JU
 Sample : 01627-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Quant Time: Apr 01 02:32:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.415	152	14683	20.000	ng	0.00
21) Naphthalene-d8	11.253	136	58110	20.000	ng	0.00
39) Acenaphthene-d10	15.030	164	45233	20.000	ng	0.00
64) Phenanthrene-d10	17.767	188	116544	20.000	ng	0.00
76) Chrysene-d12	22.091	240	110516	20.000	ng	# 0.00
86) Perylene-d12	25.633	264	118418	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.919	112	101592	110.735	ng	0.00
7) Phenol-d6	7.540	99	151353	110.305	ng	0.00
23) Nitrobenzene-d5	9.590	82	119969	84.475	ng	0.00
42) 2,4,6-Tribromophenol	16.504	330	87595	121.220	ng	0.00
45) 2-Fluorobiphenyl	13.655	172	288306	86.429	ng	0.00
79) Terphenyl-d14	20.340	244	568757	87.085	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.728	88	2333	5.801	ng	94
3) Pyridine	4.162	79	5268	4.067	ng	92
4) n-Nitrosodimethylamine	4.057	42	2696	4.527	ng	# 97
6) Aniline	7.722	93	8455	4.820	ng	# 85
8) 2-Chlorophenol	7.963	128	4417	4.834	ng	94
9) Benzaldehyde	7.534	77	5336	6.200	ng	92
10) Phenol	7.564	94	6510	4.788	ng	86
11) bis(2-Chloroethyl)ether	7.810	93	4817	4.974	ng	99
12) 1,3-Dichlorobenzene	8.774	146	5023	4.975	ng	97
13) 1,4-Dichlorobenzene	8.445	146	5491	5.388	ng	# 85
14) 1,2-Dichlorobenzene	8.774	146	5024	5.103	ng	90
15) Benzyl Alcohol	8.639	79	5307	4.655	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.932	45	5823	4.989	ng	90
17) 2-Methylphenol	8.844	107	4334	4.468	ng	88
18) Hexachloroethane	9.514	117	1953	5.243	ng	# 85
19) n-Nitroso-di-n-propyla...	9.208	70	4462	4.546	ng	94
20) 3+4-Methylphenols	9.167	107	6031	4.446	ng	94
22) Acetophenone	9.238	105	8982	5.195	ng	# 94
24) Nitrobenzene	9.631	77	8120	5.592	ng	# 90
25) Isophorone	10.148	82	13314	4.923	ng	97
26) 2-Nitrophenol	10.342	139	2788	4.975	ng	# 69
27) 2,4-Dimethylphenol	10.383	122	4670	4.719	ng	# 86
28) bis(2-Chloroethoxy)met...	10.624	93	6425	4.745	ng	95
29) 2,4-Dichlorophenol	10.883	162	4704	4.420	ng	88
30) 1,2,4-Trichlorobenzene	11.112	180	5496	4.861	ng	# 80
31) Naphthalene	11.306	128	16125	5.091	ng	98
32) Benzoic acid	10.454	122	1163	1.711	ng	90
33) 4-Chloroaniline	11.400	127	6462	4.517	ng	# 90
34) Hexachlorobutadiene	11.582	225	4319	5.085	ng	92
35) Caprolactam	12.134	113	1840	5.014	ng	# 78
36) 4-Chloro-3-methylphenol	12.486	107	5123	4.305	ng	# 82
37) 2-Methylnaphthalene	12.880	142	12825	5.102	ng	98
38) 1-Methylnaphthalene	13.097	142	10782	4.568	ng	88
40) 1,2,4,5-Tetrachloroben...	13.238	216	8305	5.295	ng	98
41) Hexachlorocyclopentadiene	13.215	237	4139	4.789	ng	99
43) 2,4,6-Trichlorophenol	13.467	196	4597	4.593	ng	96

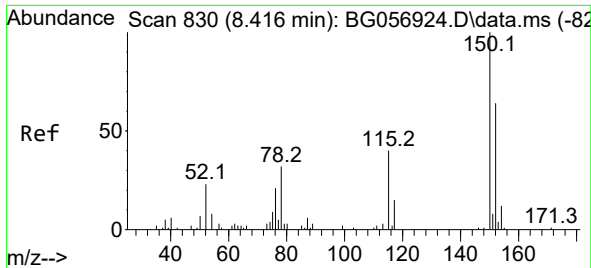
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.538	196	5036	4.247	ng	91
46) 1,1'-Biphenyl	13.861	154	17939	5.418	ng	96
47) 2-Chloronaphthalene	13.914	162	13174	5.379	ng	95
48) 2-Nitroaniline	14.102	65	4448	5.080	ng	97
49) Acenaphthylene	14.754	152	21178	5.263	ng	99
50) Dimethylphthalate	14.454	163	18282	5.130	ng	# 99
51) 2,6-Dinitrotoluene	14.584	165	3533	4.588	ng	90
52) Acenaphthene	15.089	154	13595	4.899	ng	89
53) 3-Nitroaniline	14.918	138	3697	4.850	ng	86
54) 2,4-Dinitrophenol	15.118	184	1118	2.579	ng	# 76
55) Dibenzofuran	15.418	168	22228	5.337	ng	# 90
56) 4-Nitrophenol	15.200	139	2487	4.413	ng	# 86
57) 2,4-Dinitrotoluene	15.359	165	5470	5.037	ng	# 89
58) Fluorene	16.064	166	18564	5.386	ng	# 93
59) 2,3,4,6-Tetrachlorophenol	15.635	232	5166	4.785	ng	# 96
60) Diethylphthalate	15.805	149	18528	5.186	ng	99
61) 4-Chlorophenyl-phenyle...	16.046	204	9803	4.845	ng	98
62) 4-Nitroaniline	16.070	138	4245	5.375	ng	92
63) Azobenzene	16.340	77	17378	4.880	ng	98
65) 4,6-Dinitro-2-methylph...	16.128	198	2618	3.709	ng	84
66) n-Nitrosodiphenylamine	16.258	169	15620	4.993	ng	100
67) 4-Bromophenyl-phenylether	16.945	248	6955	4.823	ng	96
68) Hexachlorobenzene	17.068	284	7921	5.556	ng	96
69) Atrazine	17.186	200	7318	5.635	ng	90
70) Pentachlorophenol	17.409	266	2557	2.500	ng	96
71) Phenanthrene	17.809	178	31570	5.313	ng	96
72) Anthracene	17.897	178	30529	5.012	ng	97
73) Carbazole	18.161	167	26997	5.083	ng	# 96
74) Di-n-butylphthalate	18.684	149	29014	4.718	ng	# 95
75) Fluoranthene	19.794	202	37106	4.926	ng	98
77) Benzidine	19.959	184	19295	6.387	ng	# 96
78) Pyrene	20.158	202	38783	5.074	ng	96
80) Butylbenzylphthalate	21.016	149	12188	4.634	ng	91
81) Benzo(a)anthracene	22.067	228	39123	5.116	ng	98
82) 3,3'-Dichlorobenzidine	21.956	252	15292	5.921	ng	92
83) Chrysene	22.138	228	35006	4.889	ng	96
84) Bis(2-ethylhexyl)phtha...	21.921	149	18639	4.894	ng	94
85) Di-n-octyl phthalate	23.242	149	31111	4.847	ng	# 98
87) Indeno(1,2,3-cd)pyrene	29.716	276	44057	5.034	ng	# 87
88) Benzo(b)fluoranthene	24.570	252	39215	5.296	ng	93
89) Benzo(k)fluoranthene	24.570	252	39215	5.305	ng	94
90) Benzo(a)pyrene	25.457	252	33838	4.650	ng	# 98
91) Dibenzo(a,h)anthracene	29.781	278	38183	5.308	ng	# 91
92) Benzo(g,h,i)perylene	30.985	276	36167	5.134	ng	93

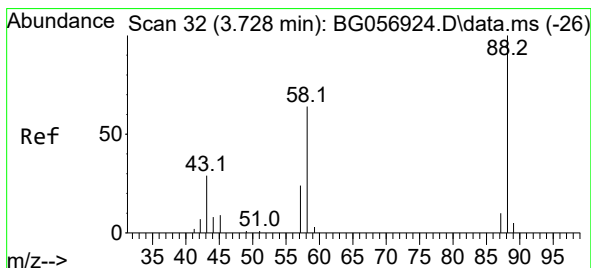
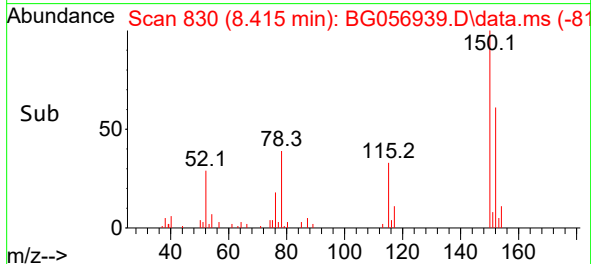
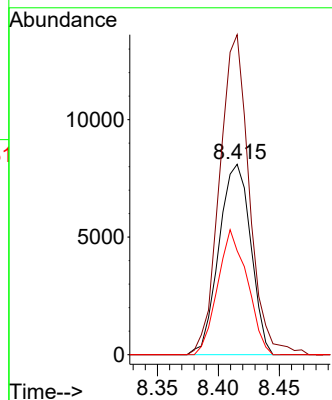
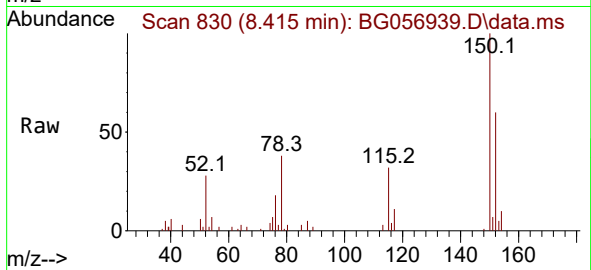
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.415 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

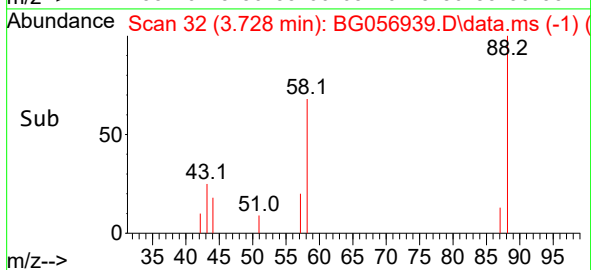
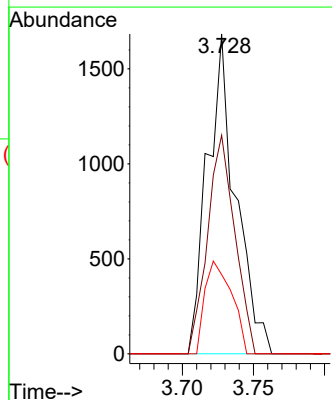
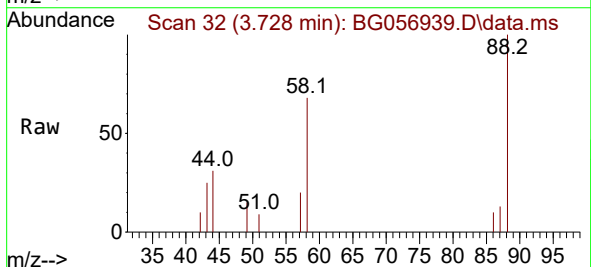
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:152 Resp: 14683
Ion Ratio Lower Upper
152 100
150 168.0 124.1 186.1
115 54.5 49.1 73.7



#2
1,4-Dioxane
Concen: 5.801 ng
RT: 3.728 min Scan# 32
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion: 88 Resp: 2333
Ion Ratio Lower Upper
88 100
58 65.8 55.9 83.9
43 27.5 25.7 38.5

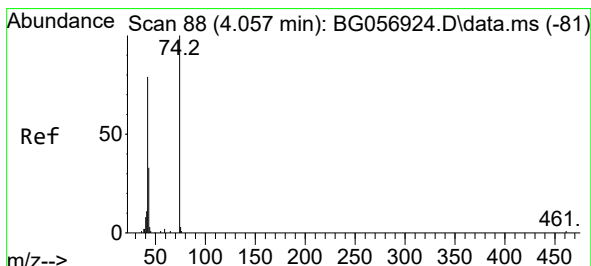
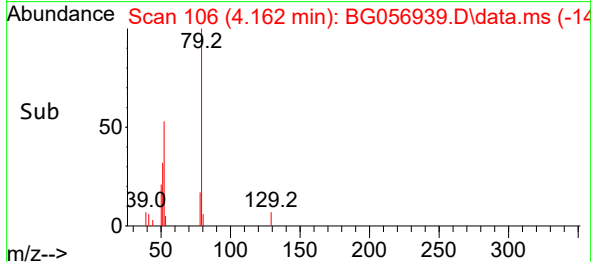
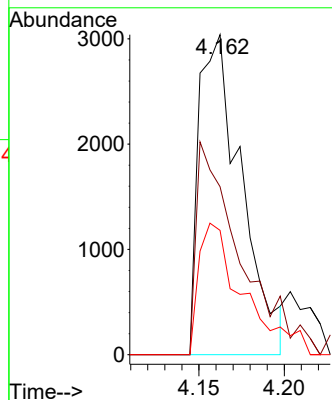
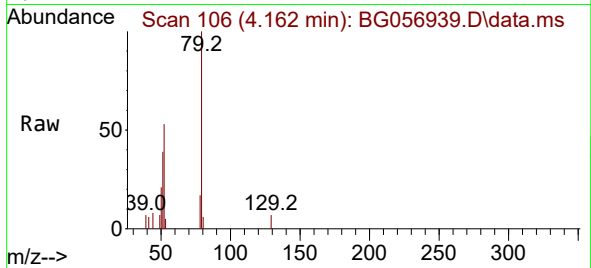




#3
 Pyridine
 Concen: 4.067 ng
 RT: 4.162 min Scan# 106
 Delta R.T. 0.011 min
 Lab File: BG056939.D
 Acq: 31 Mar 2023 9:53

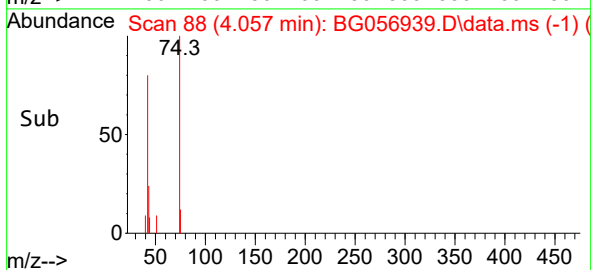
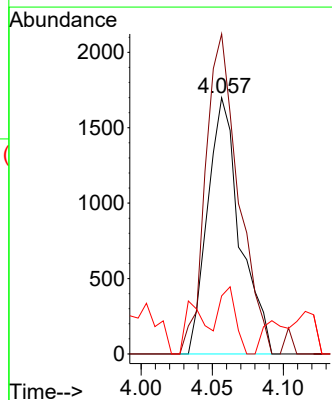
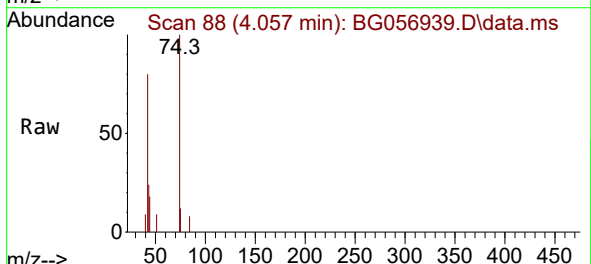
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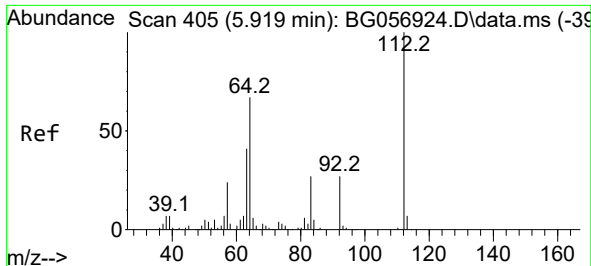
Tgt Ion: 79 Resp: 5268
 Ion Ratio Lower Upper
 79 100
 52 52.5 46.1 69.1
 51 38.8 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 4.527 ng
 RT: 4.057 min Scan# 88
 Delta R.T. -0.001 min
 Lab File: BG056939.D
 Acq: 31 Mar 2023 9:53

Tgt Ion: 42 Resp: 2696
 Ion Ratio Lower Upper
 42 100
 74 124.9 100.6 151.0
 44 22.7 4.6 7.0#

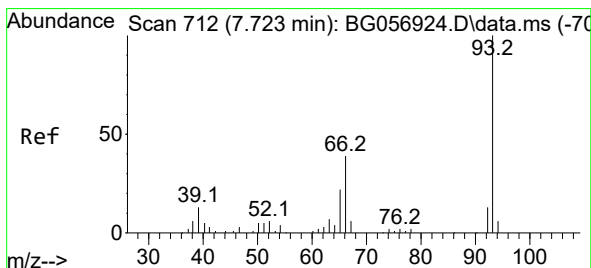
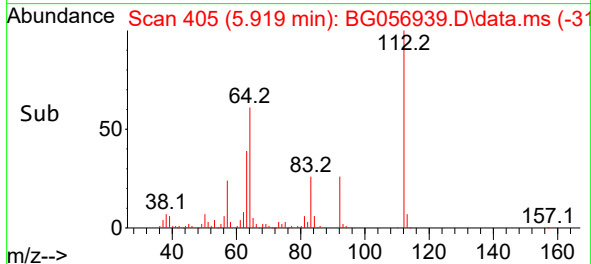
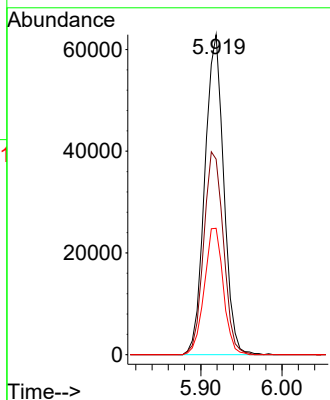
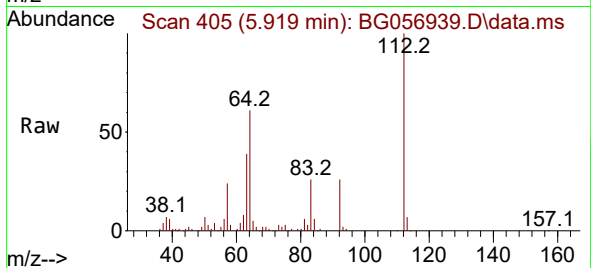




#5
2-Fluorophenol
Concen: 110.735 ng
RT: 5.919 min Scan# 405
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

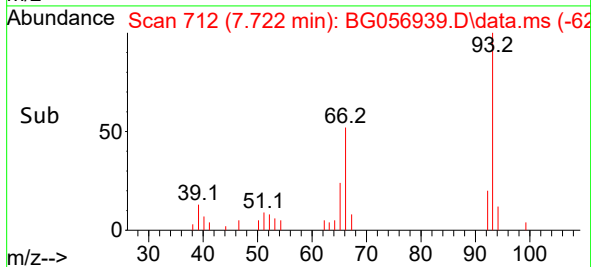
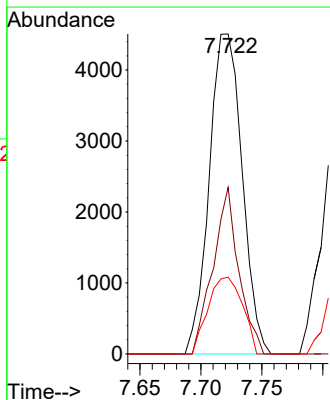
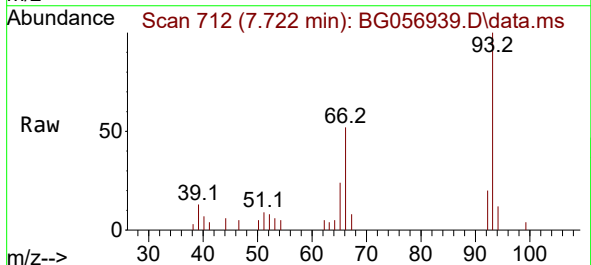
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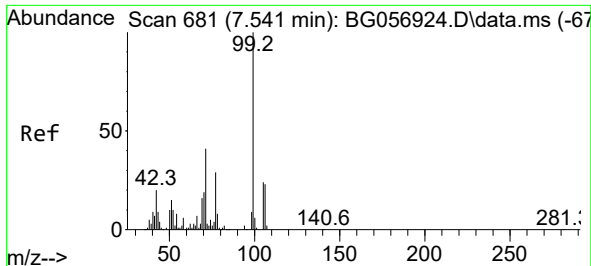
Tgt Ion:112 Resp: 101592
Ion Ratio Lower Upper
112 100
64 61.1 53.2 79.8
63 39.5 32.6 48.8



#6
Aniline
Concen: 4.820 ng
RT: 7.722 min Scan# 712
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion: 93 Resp: 8455
Ion Ratio Lower Upper
93 100
66 52.1 31.4 47.0#
65 24.0 17.3 25.9

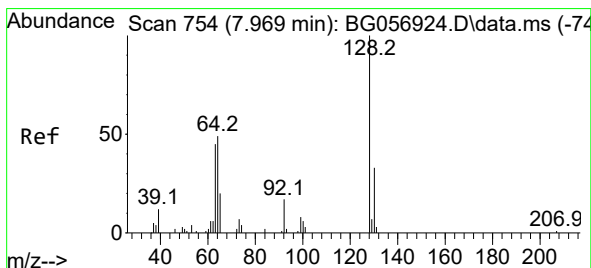
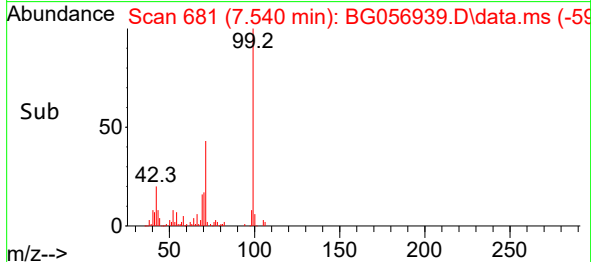
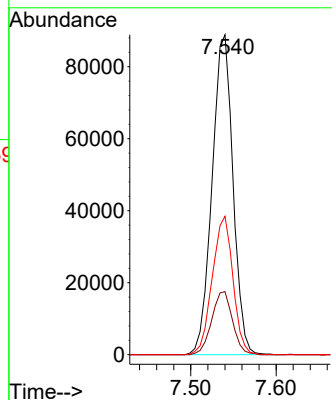
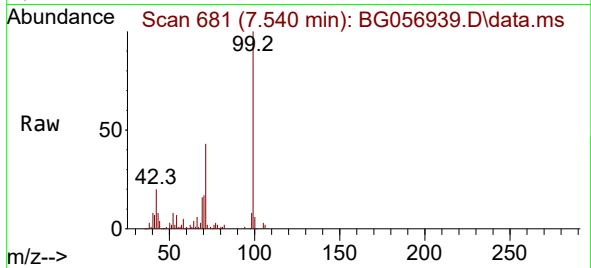




#7
Phenol-d6
Concen: 110.305 ng
RT: 7.540 min Scan# 681
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

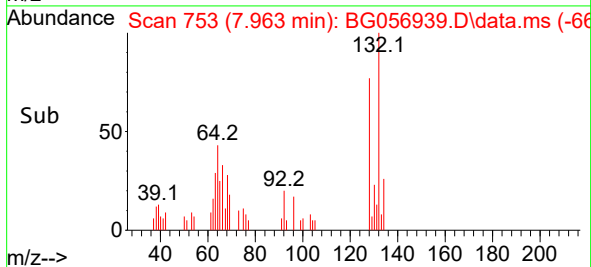
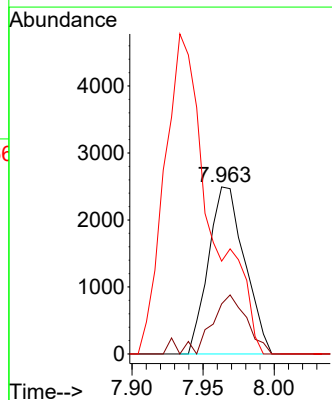
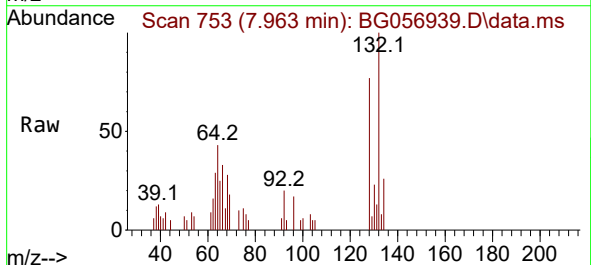
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion: 99 Resp: 151353
Ion Ratio Lower Upper
99 100
42 19.7 15.7 23.5
71 43.2 32.5 48.7



#8
2-Chlorophenol
Concen: 4.834 ng
RT: 7.963 min Scan# 753
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion: 128 Resp: 4417
Ion Ratio Lower Upper
128 100
130 30.0 12.6 52.6
64 55.6 40.6 80.6

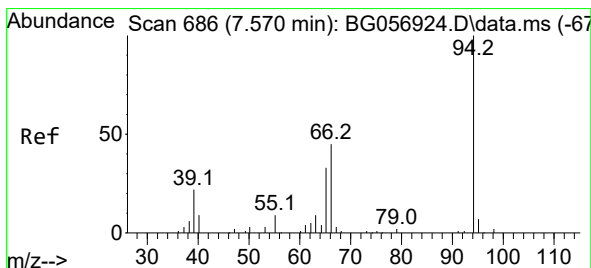
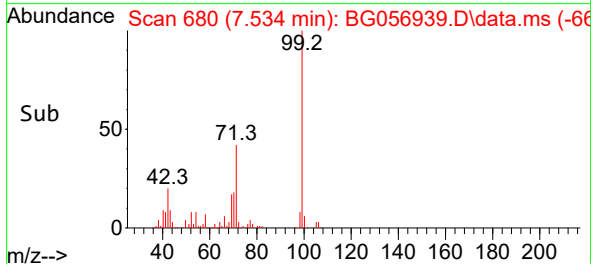
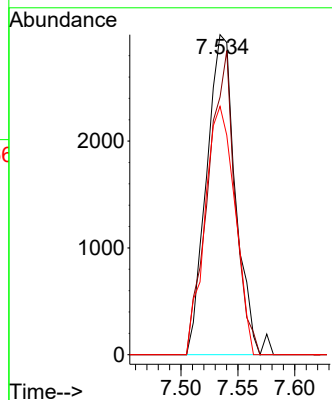
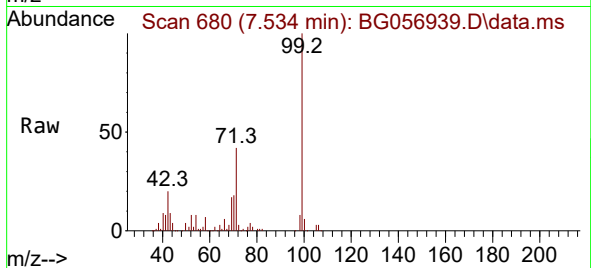




#9
Benzaldehyde
Concen: 6.200 ng
RT: 7.534 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

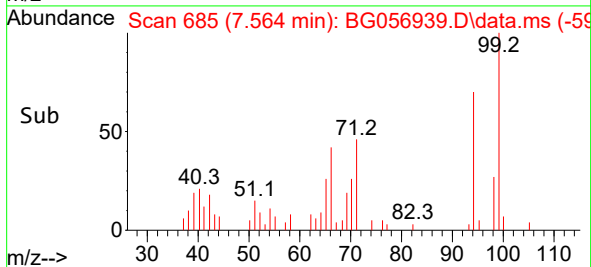
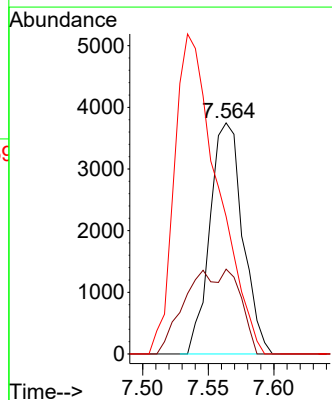
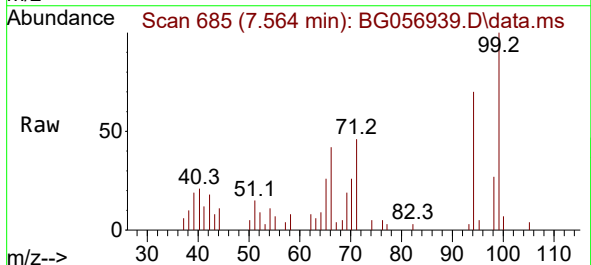
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ClientSampleId :
LOQ-SOIL-02-QT1-2023

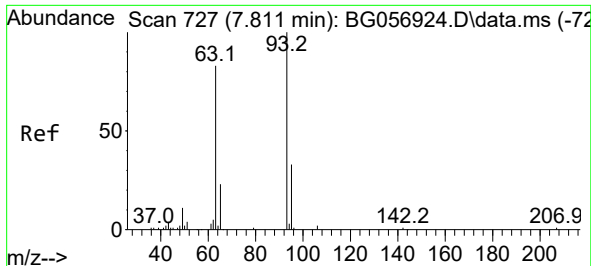
Tgt Ion: 77 Resp: 5336
Ion Ratio Lower Upper
77 100
105 80.5 73.6 113.6
106 77.6 56.7 96.7



#10
Phenol
Concen: 4.788 ng
RT: 7.564 min Scan# 685
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion: 94 Resp: 6510
Ion Ratio Lower Upper
94 100
65 36.7 13.3 53.3
66 59.5 26.7 66.7

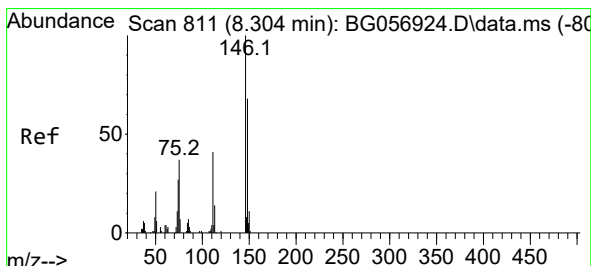
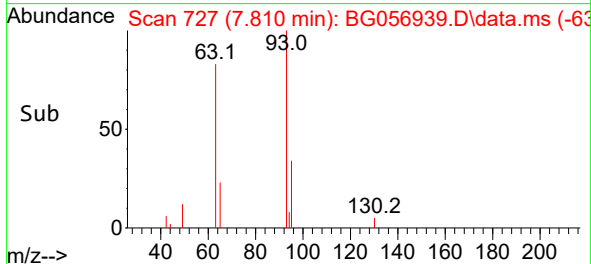
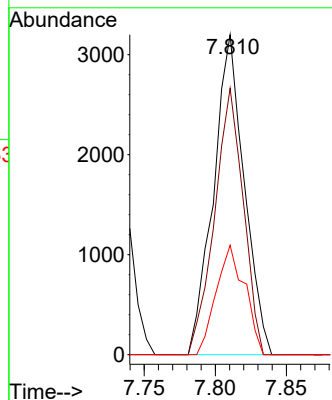
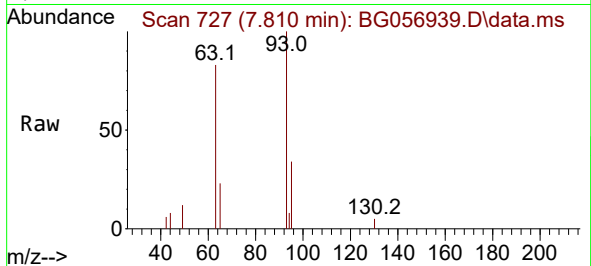




#11
bis(2-Chloroethyl)ether
Concen: 4.974 ng
RT: 7.810 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

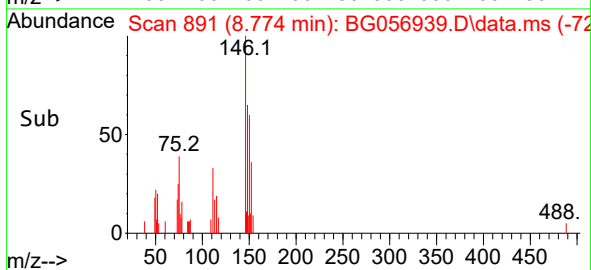
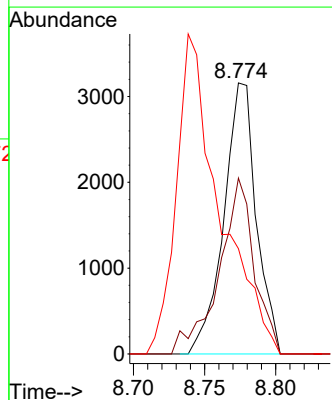
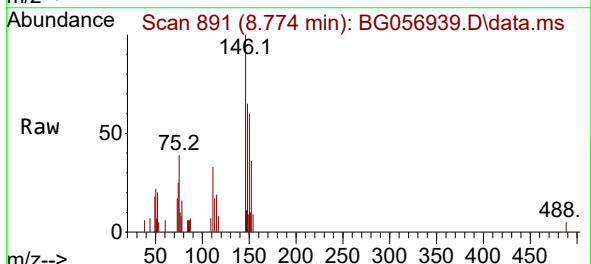
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

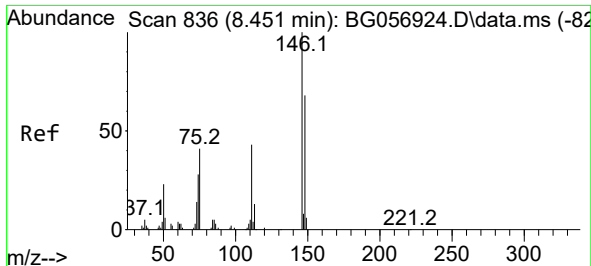
Tgt Ion: 93 Resp: 4817
Ion Ratio Lower Upper
93 100
63 83.3 62.7 102.7
95 34.2 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 4.975 ng
RT: 8.774 min Scan# 891
Delta R.T. 0.469 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion: 146 Resp: 5023
Ion Ratio Lower Upper
146 100
148 64.9 54.2 81.4
75 38.8 29.8 44.8

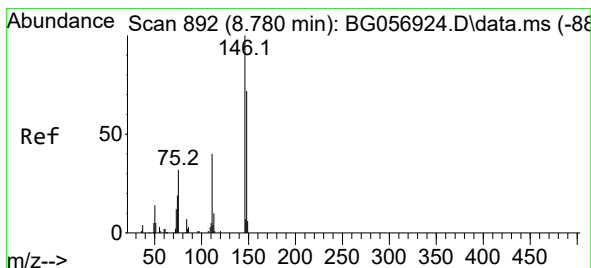
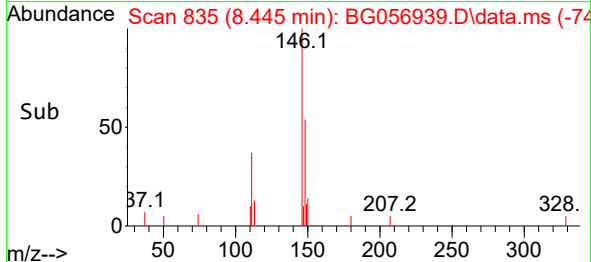
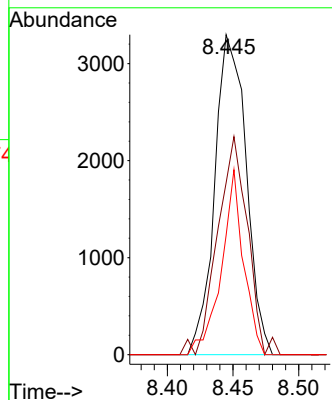
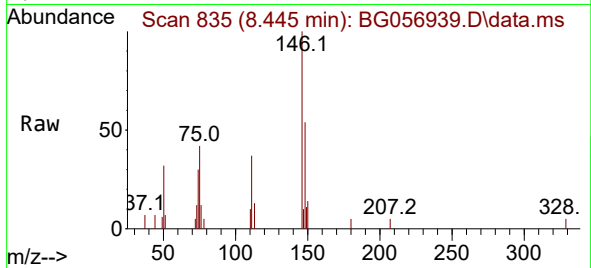




#13
1,4-Dichlorobenzene
Concen: 5.388 ng
RT: 8.445 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

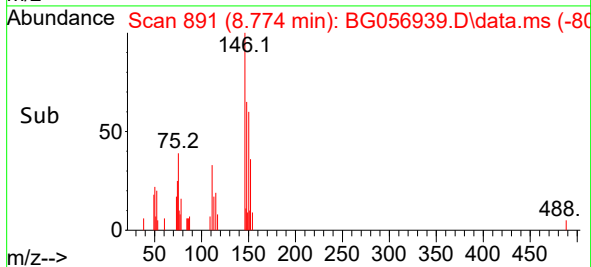
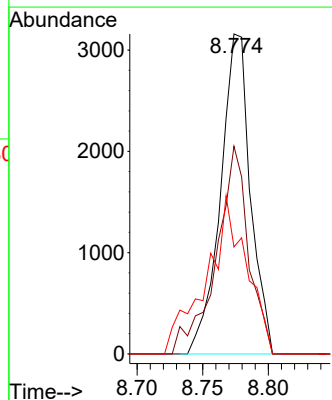
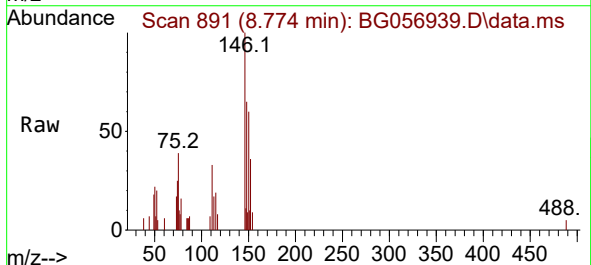
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

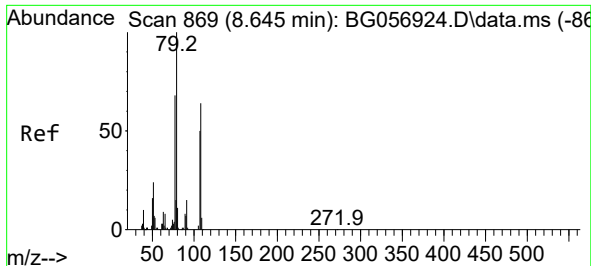
Tgt Ion:146 Resp: 5491
Ion Ratio Lower Upper
146 100
148 53.7 54.8 82.2#
111 37.3 34.6 52.0



#14
1,2-Dichlorobenzene
Concen: 5.103 ng
RT: 8.774 min Scan# 891
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:146 Resp: 5024
Ion Ratio Lower Upper
146 100
148 64.9 57.4 86.0
111 33.4 33.2 49.8

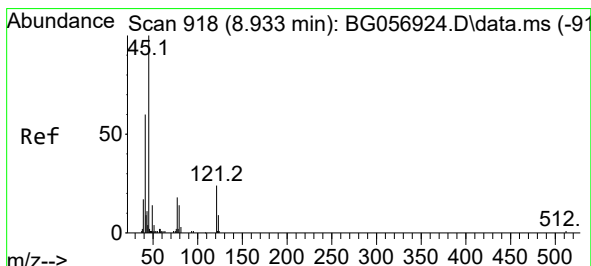
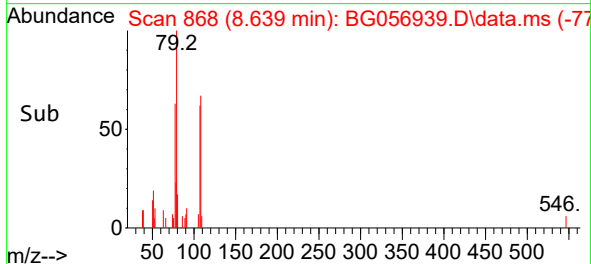
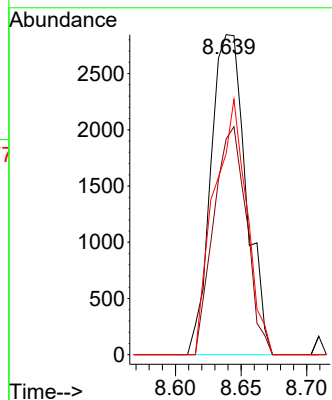
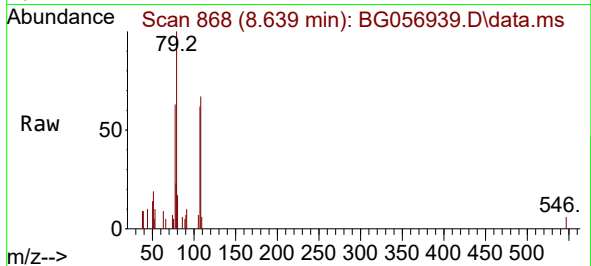




#15
Benzyl Alcohol
Concen: 4.655 ng
RT: 8.639 min Scan# 869
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

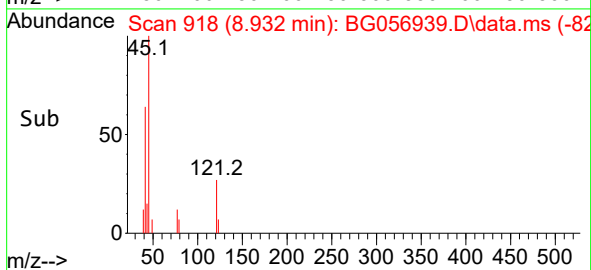
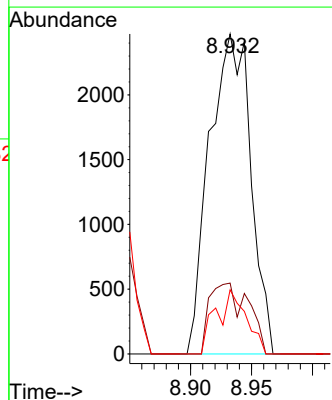
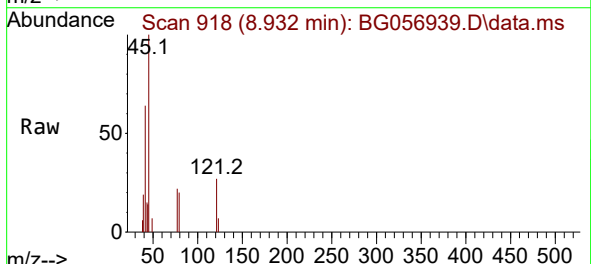
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion: 79 Resp: 5307
Ion Ratio Lower Upper
79 100
108 67.4 51.2 76.8
77 62.8 54.4 81.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.989 ng
RT: 8.932 min Scan# 918
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion: 45 Resp: 5823
Ion Ratio Lower Upper
45 100
77 22.1 0.0 38.7
79 20.0 0.0 35.1





#17

2-Methylphenol

Concen: 4.468 ng

RT: 8.844 min Scan# 90

Delta R.T. -0.001 min

Lab File: BG056939.D

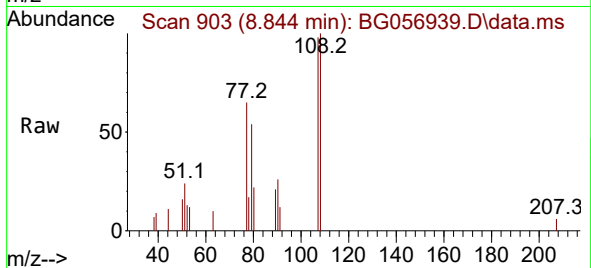
Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023



Tgt Ion:107 Resp: 4334

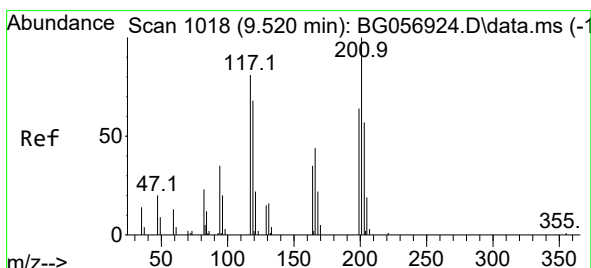
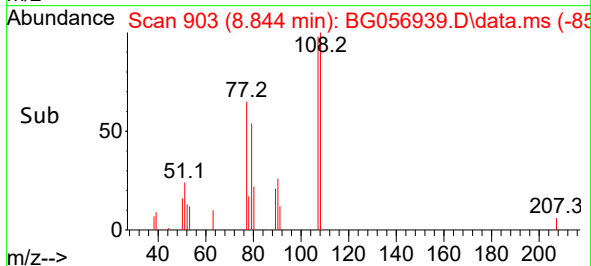
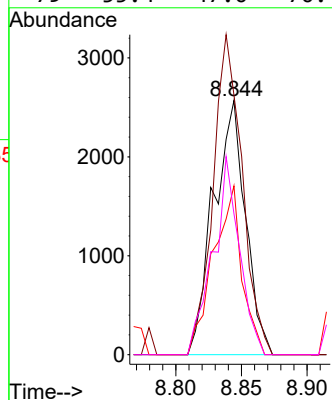
Ion Ratio Lower Upper

107 100

108 102.1 96.0 144.0

77 66.4 45.6 68.4

79 55.4 47.0 70.4



#18

Hexachloroethane

Concen: 5.243 ng

RT: 9.514 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

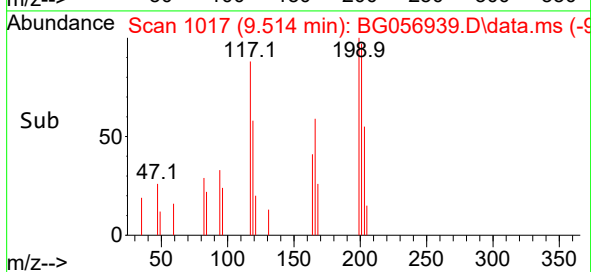
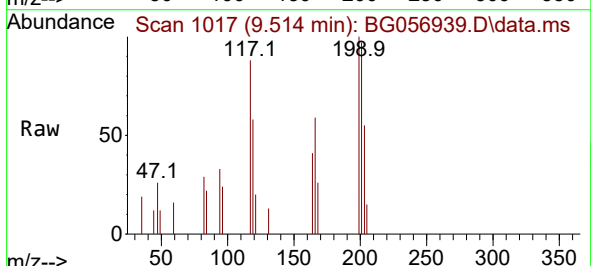
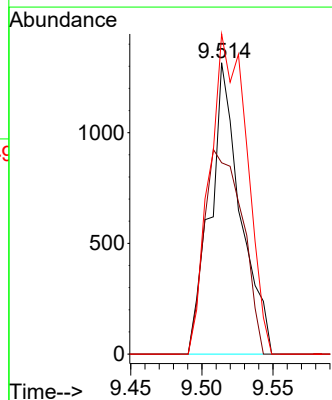
Tgt Ion:117 Resp: 1953

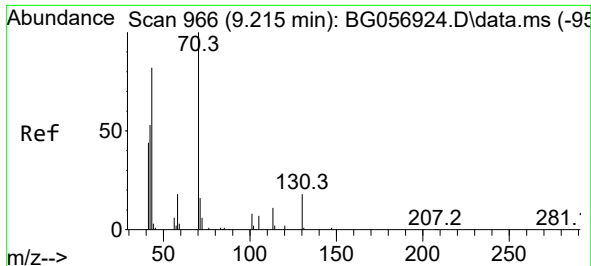
Ion Ratio Lower Upper

117 100

119 65.7 67.0 100.6#

201 109.9 98.7 148.1

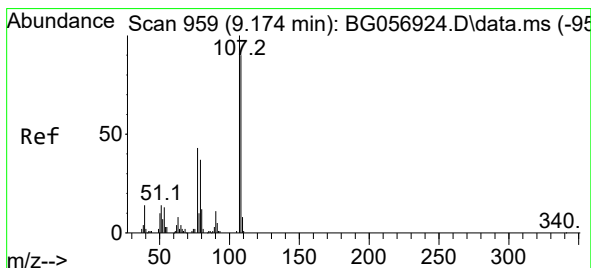
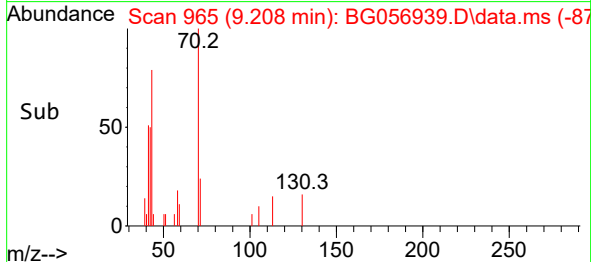
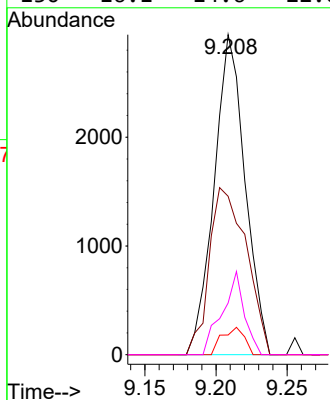
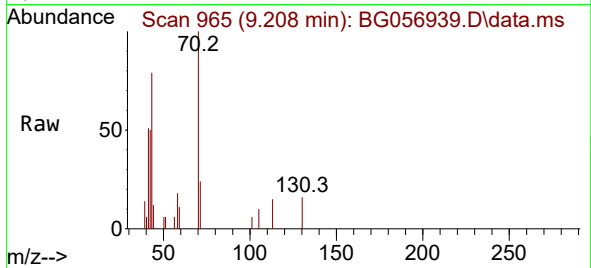




#19
n-Nitroso-di-n-propylamine
Concen: 4.546 ng
RT: 9.208 min Scan# 919
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

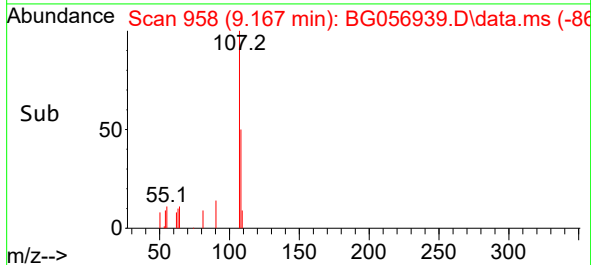
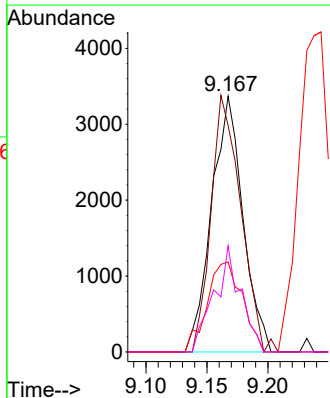
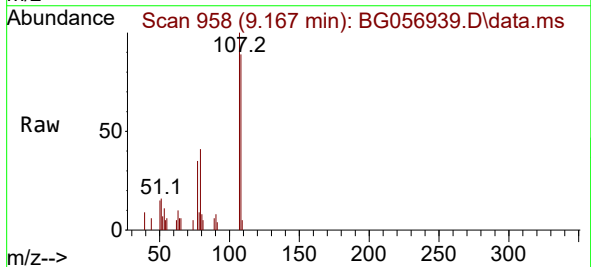
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

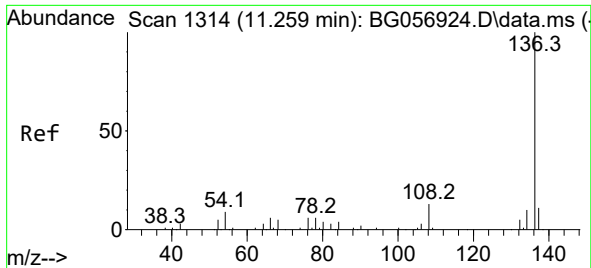
Tgt Ion:	70	Resp:	4462
Ion	Ratio	Lower	Upper
70	100		
42	49.5	43.4	65.0
101	6.2	6.2	9.2
130	16.1	14.6	22.0



#20
3+4-Methylphenols
Concen: 4.446 ng
RT: 9.167 min Scan# 958
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:	107	Resp:	6031
Ion	Ratio	Lower	Upper
107	100		
108	88.5	69.9	109.9
77	35.3	22.7	62.7
79	41.5	16.5	56.5

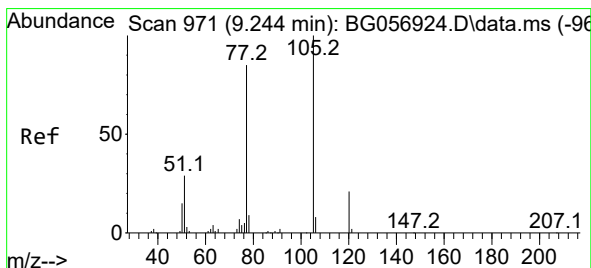
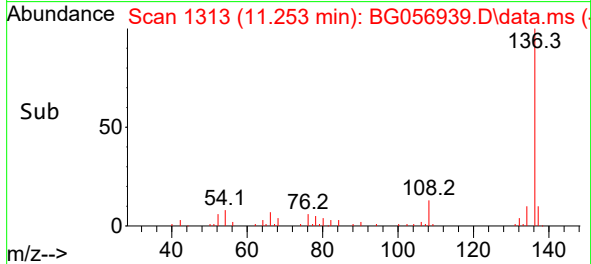
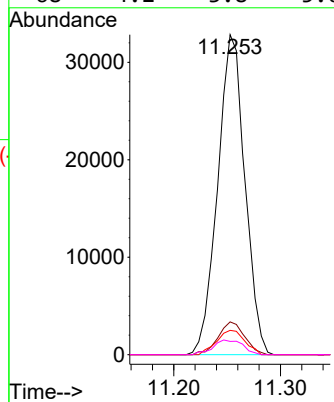
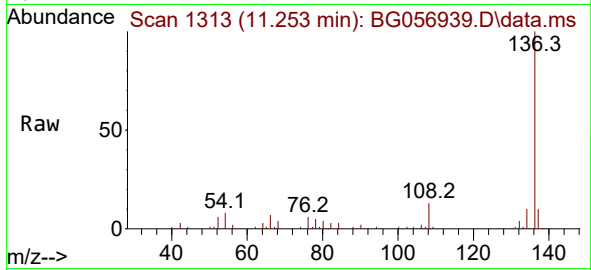




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.253 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

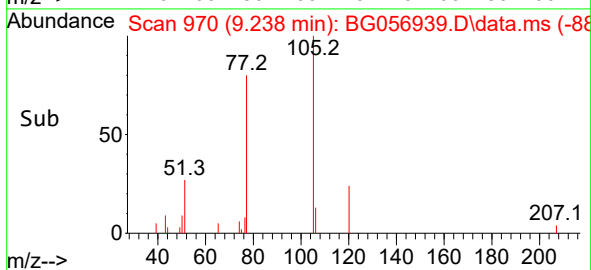
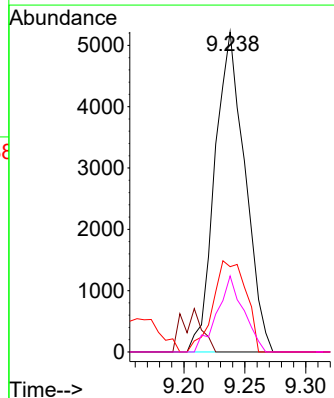
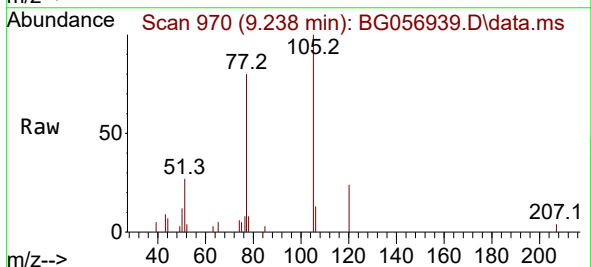
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

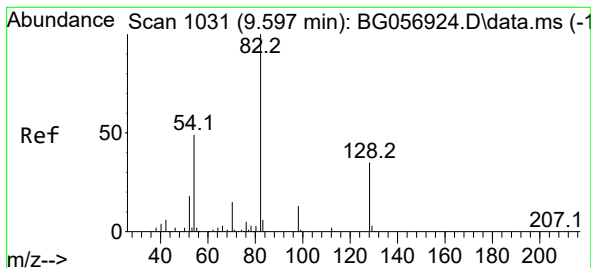
Tgt Ion:136 Resp: 58110
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 7.6 6.9 10.3
68 4.2 3.8 5.6



#22
Acetophenone
Concen: 5.195 ng
RT: 9.238 min Scan# 970
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:105 Resp: 8982
Ion Ratio Lower Upper
105 100
71 0.0 0.7 1.1#
51 26.6 23.8 35.8
120 23.7 17.0 25.4





#23

Nitrobenzene-d5

Concen: 84.475 ng

RT: 9.590 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

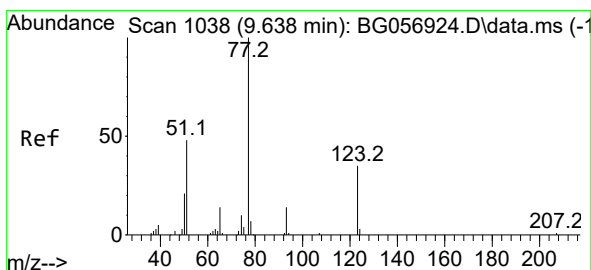
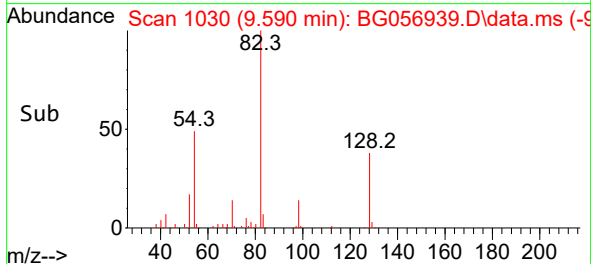
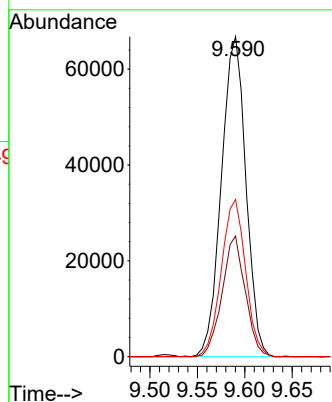
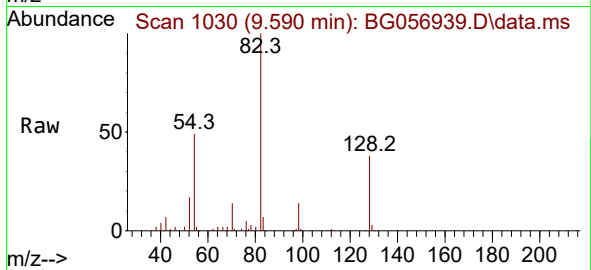
Tgt Ion: 82 Resp: 119969

Ion Ratio Lower Upper

82 100

128 37.7 27.9 41.9

54 49.1 39.4 59.2



#24

Nitrobenzene

Concen: 5.592 ng

RT: 9.631 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

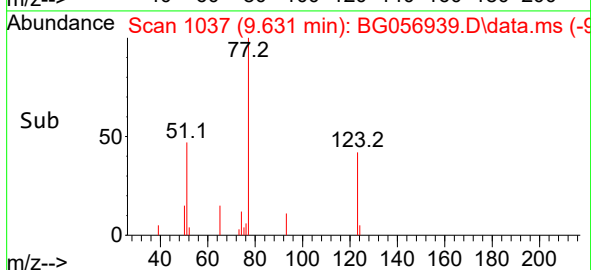
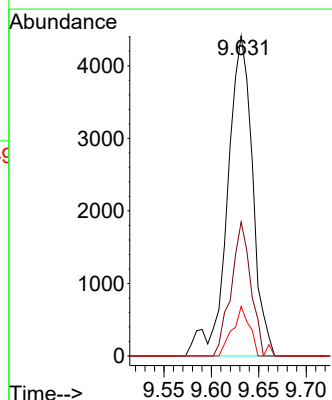
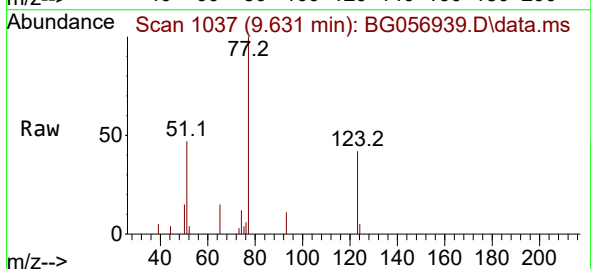
Tgt Ion: 77 Resp: 8120

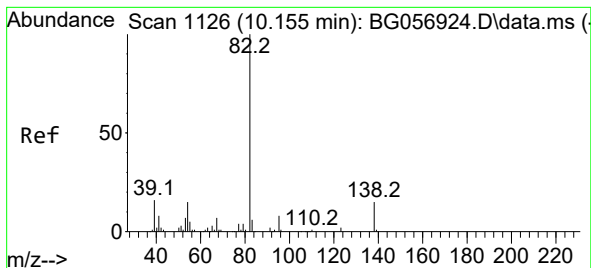
Ion Ratio Lower Upper

77 100

123 41.9 27.6 41.4#

65 15.5 11.5 17.3





#25

Isophorone

Concen: 4.923 ng

RT: 10.148 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

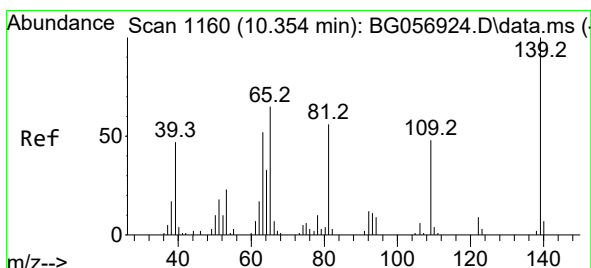
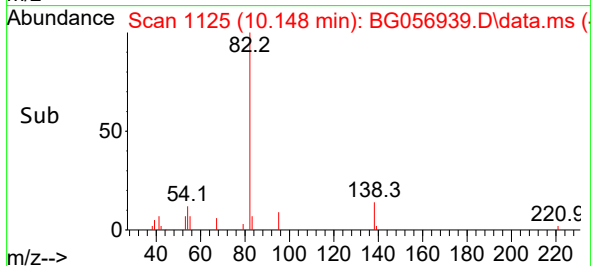
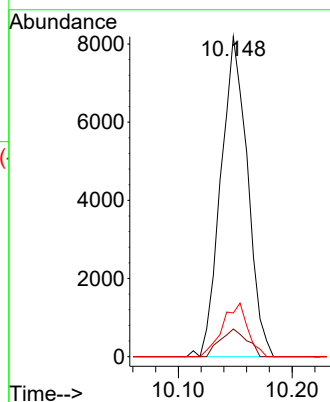
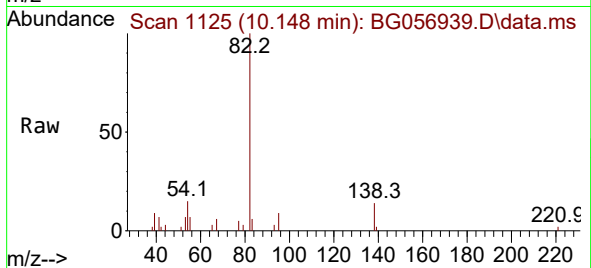
Tgt Ion: 82 Resp: 13314

Ion Ratio Lower Upper

82 100

95 8.6 6.3 9.5

138 13.7 11.8 17.8



#26

2-Nitrophenol

Concen: 4.975 ng

RT: 10.342 min Scan# 1158

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

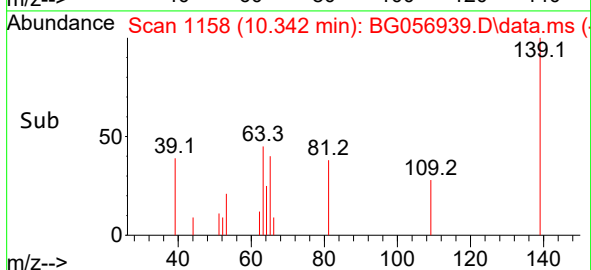
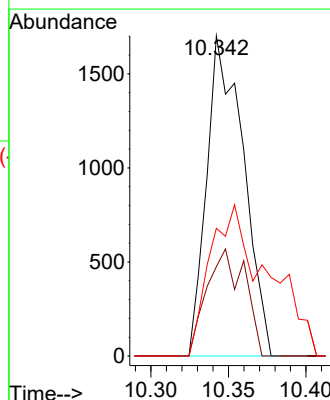
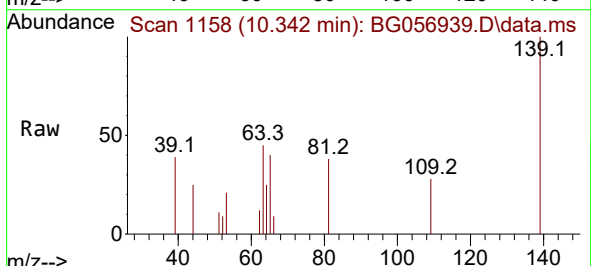
Tgt Ion:139 Resp: 2788

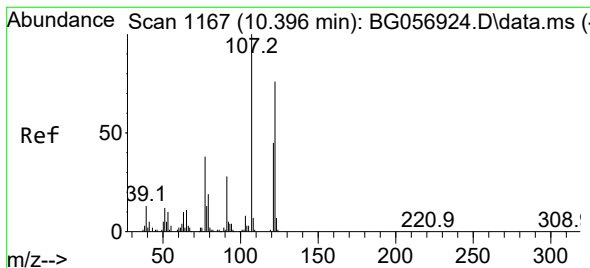
Ion Ratio Lower Upper

139 100

109 27.9 38.2 57.4#

65 39.9 51.8 77.8#

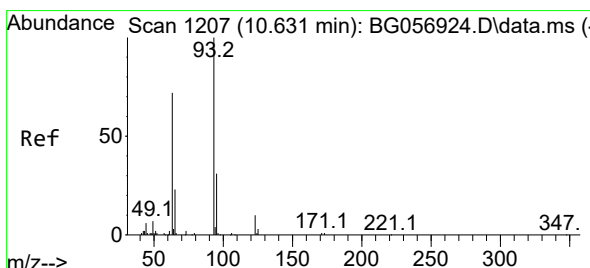
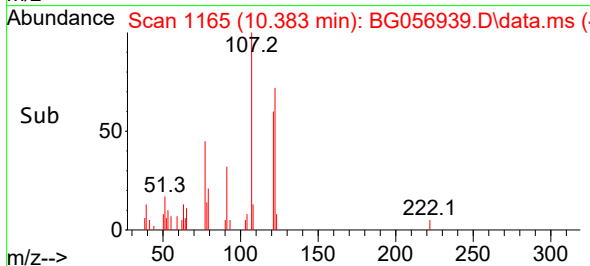
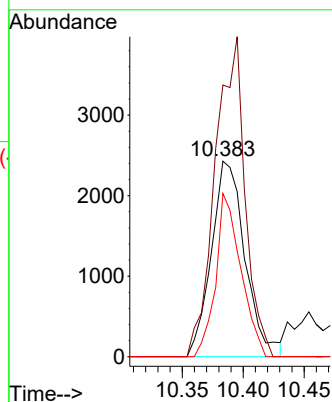
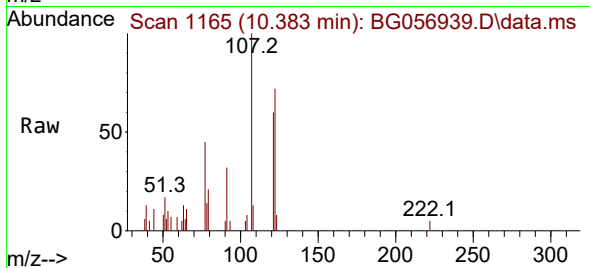




#27
2,4-Dimethylphenol
Concen: 4.719 ng
RT: 10.383 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

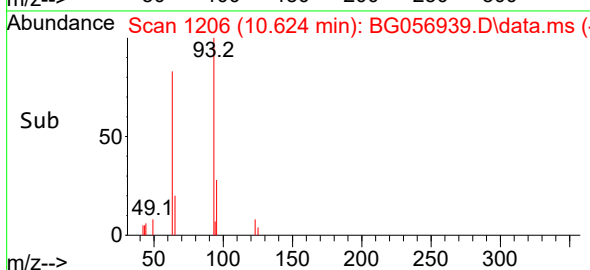
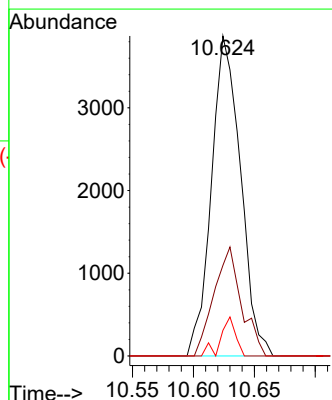
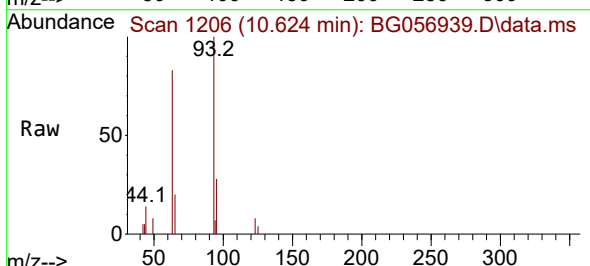
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

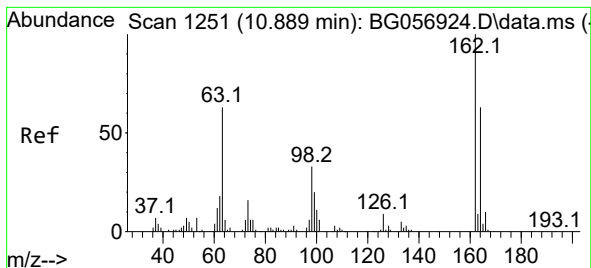
Tgt Ion:122 Resp: 4670
Ion Ratio Lower Upper
122 100
107 139.0 105.7 158.5
121 83.5 48.0 72.0#



#28
bis(2-Chloroethoxy)methane
Concen: 4.745 ng
RT: 10.624 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion: 93 Resp: 6425
Ion Ratio Lower Upper
93 100
95 28.3 24.6 37.0
123 8.0 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 4.420 ng

RT: 10.883 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

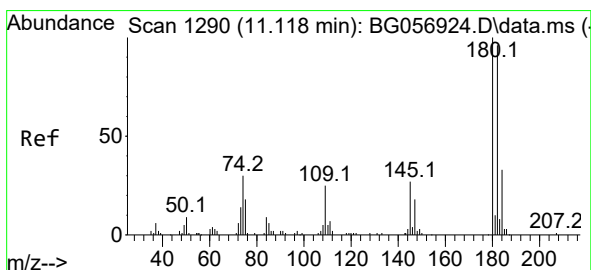
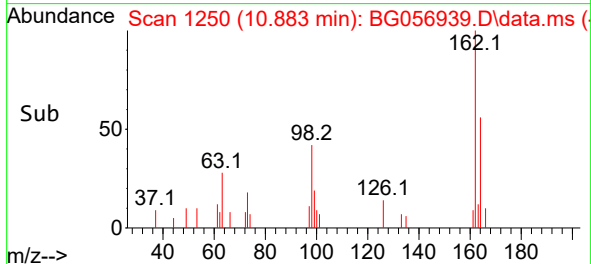
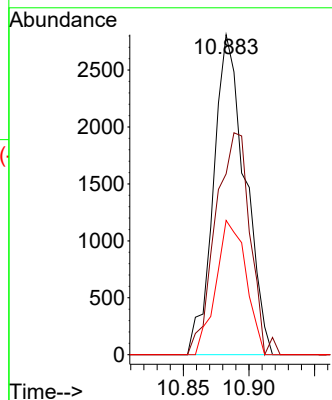
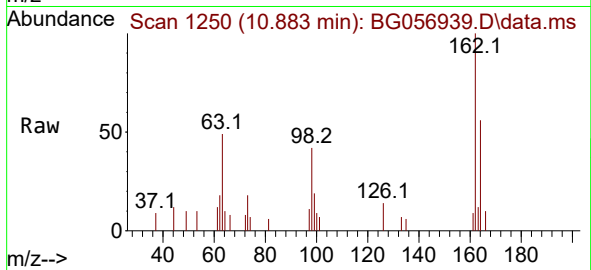
Tgt Ion:162 Resp: 4704

Ion Ratio Lower Upper

162 100

164 56.5 43.4 83.4

98 42.0 12.5 52.5



#30

1,2,4-Trichlorobenzene

Concen: 4.861 ng

RT: 11.112 min Scan# 1289

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

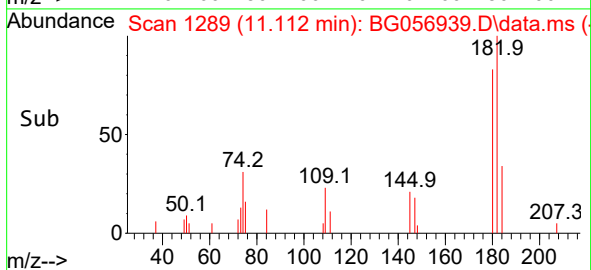
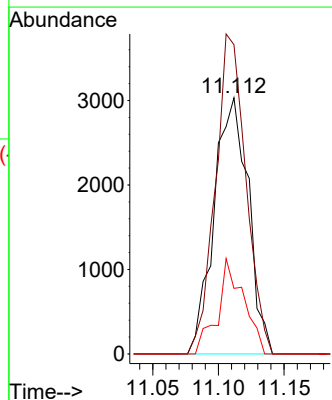
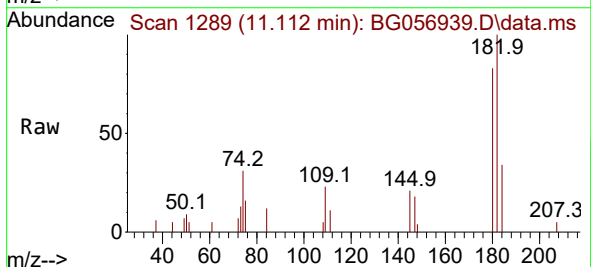
Tgt Ion:180 Resp: 5496

Ion Ratio Lower Upper

180 100

182 120.8 77.1 115.7#

145 25.6 21.3 31.9

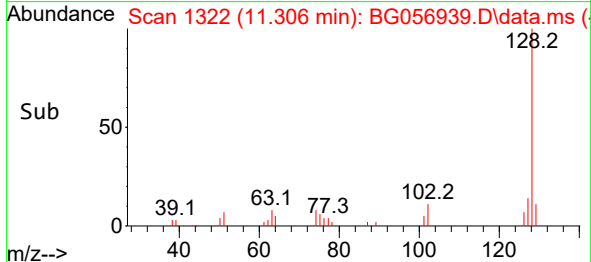
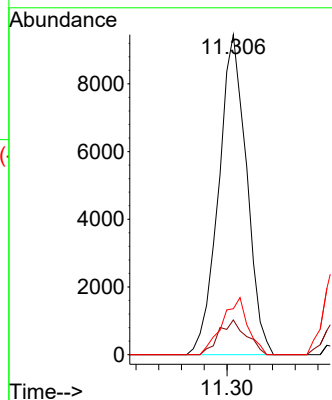
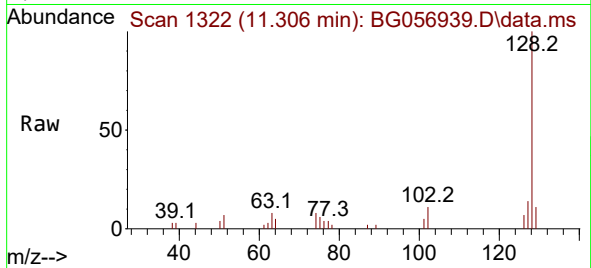




#31
Naphthalene
Concen: 5.091 ng
RT: 11.306 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

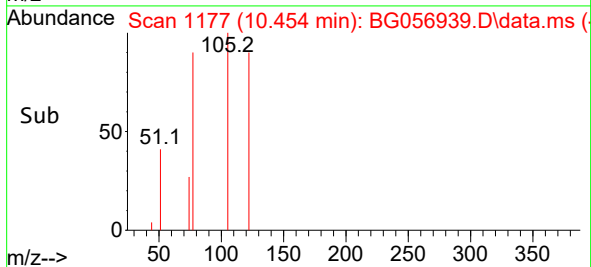
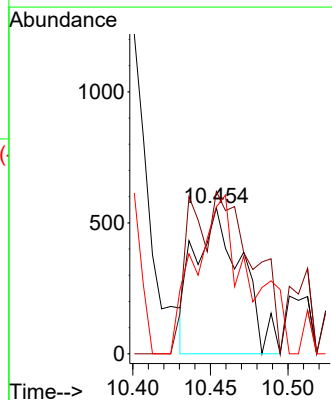
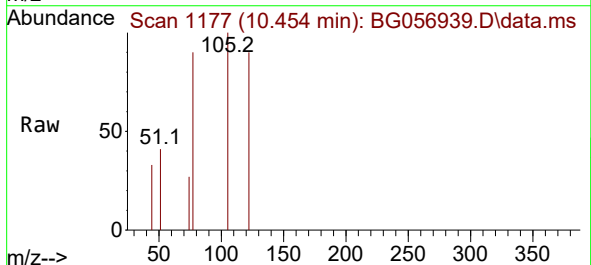
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

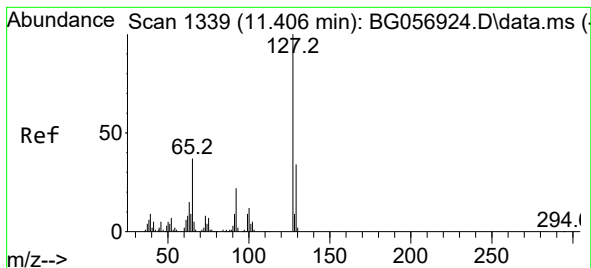
Tgt Ion:128 Resp: 16125
Ion Ratio Lower Upper
128 100
129 10.9 9.4 14.2
127 14.3 12.2 18.4



#32
Benzoic acid
Concen: 1.711 ng
RT: 10.454 min Scan# 1177
Delta R.T. -0.059 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:122 Resp: 1163
Ion Ratio Lower Upper
122 100
105 111.3 105.4 145.4
77 100.7 87.4 127.4





#33

4-Chloroaniline

Concen: 4.517 ng

RT: 11.400 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:127 Resp: 6462

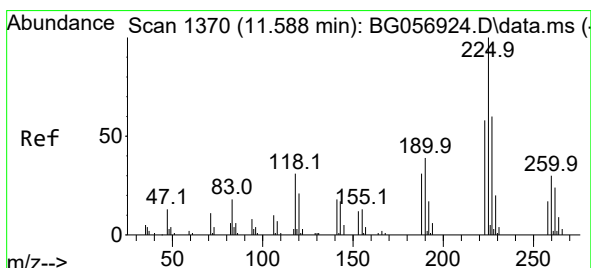
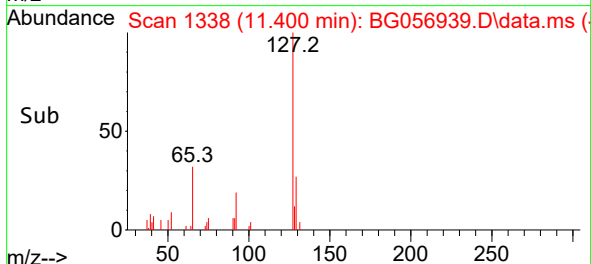
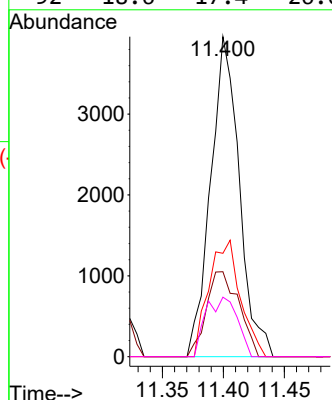
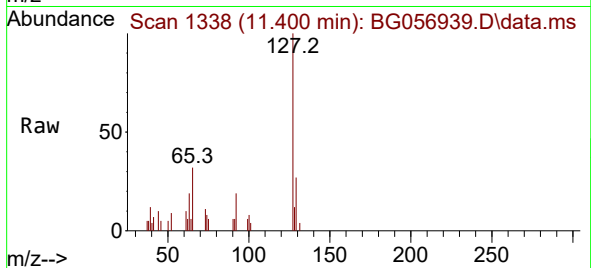
Ion Ratio Lower Upper

127 100

129 26.6 27.6 41.4#

65 32.3 29.8 44.8

92 18.6 17.4 26.0



#34

Hexachlorobutadiene

Concen: 5.085 ng

RT: 11.582 min Scan# 1369

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

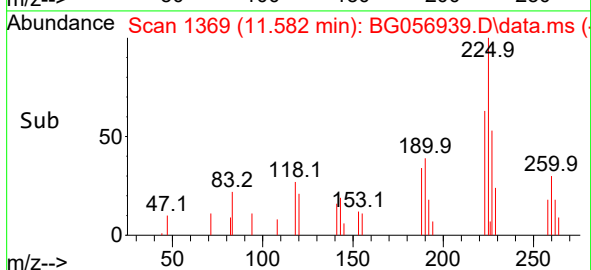
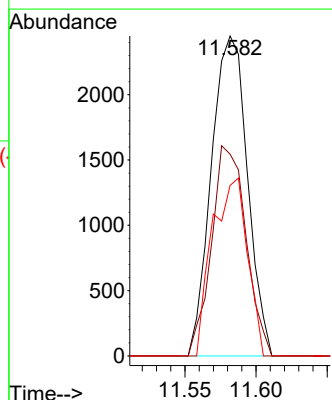
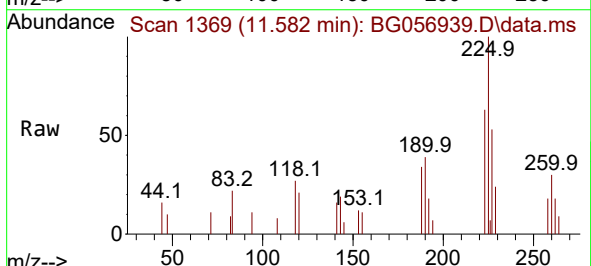
Tgt Ion:225 Resp: 4319

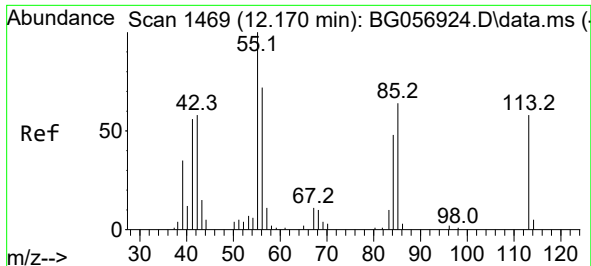
Ion Ratio Lower Upper

225 100

223 63.0 46.4 69.6

227 53.3 48.0 72.0

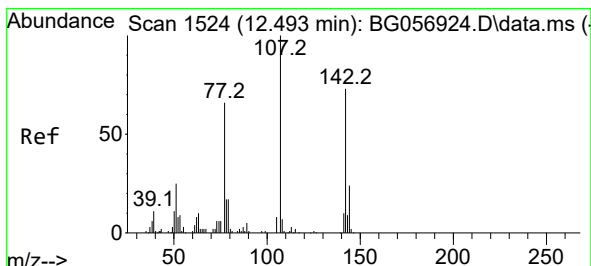
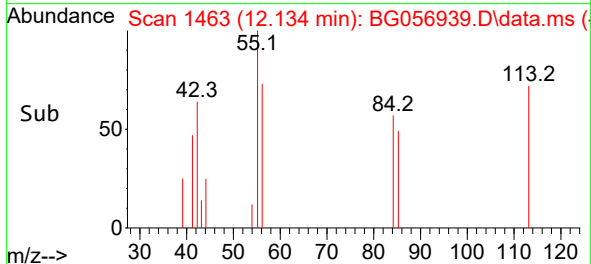
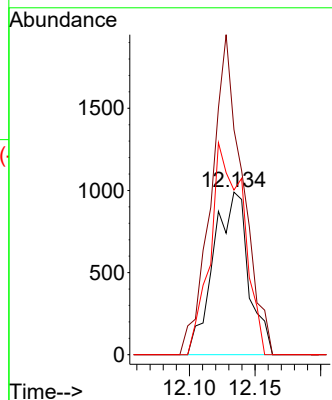
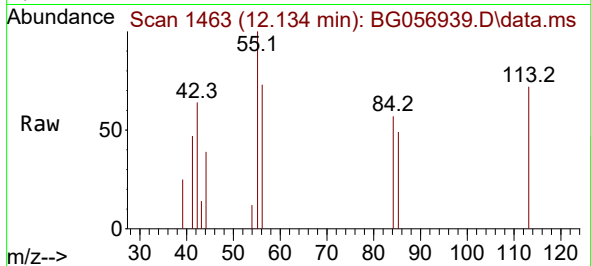




#35
Caprolactam
Concen: 5.014 ng
RT: 12.134 min Scan# 1463
Delta R.T. -0.036 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

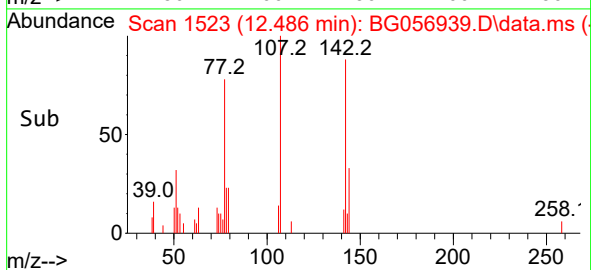
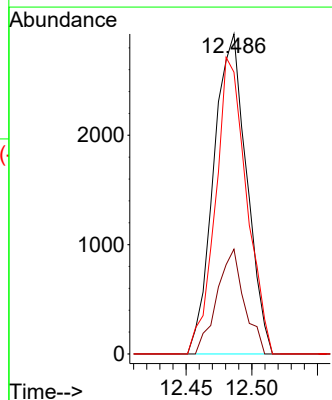
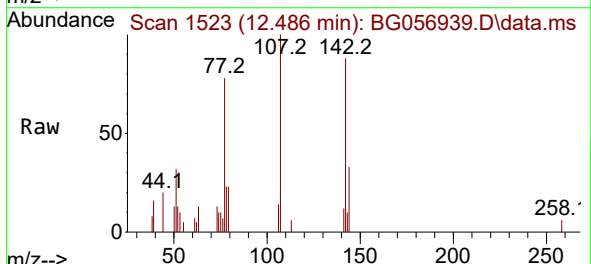
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

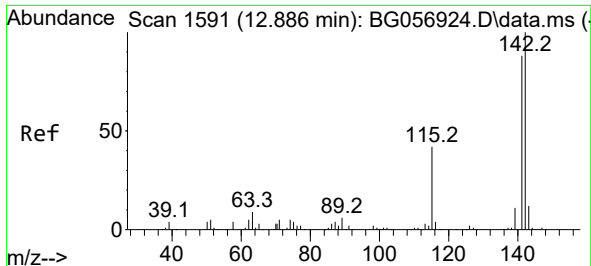
Tgt Ion:113 Resp: 1840
Ion Ratio Lower Upper
113 100
55 138.5 151.6 191.6#
56 101.2 103.7 143.7#



#36
4-Chloro-3-methylphenol
Concen: 4.305 ng
RT: 12.486 min Scan# 1523
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:107 Resp: 5123
Ion Ratio Lower Upper
107 100
144 32.8 19.0 28.4#
142 88.0 58.6 88.0#

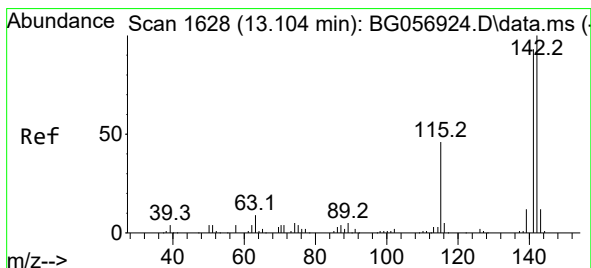
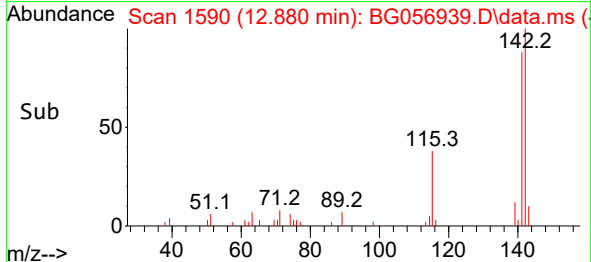
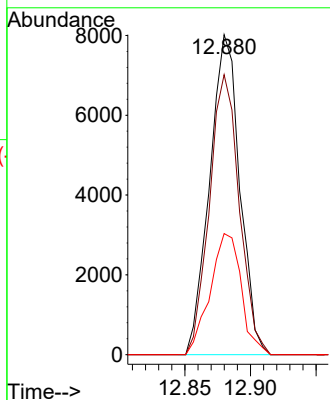
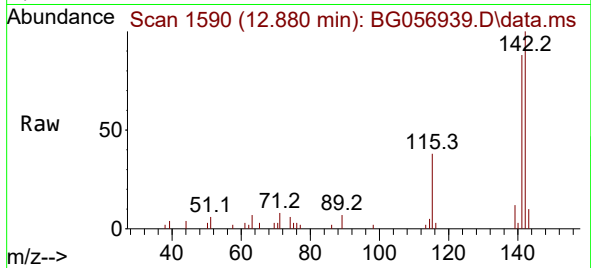




#37
2-Methylnaphthalene
Concen: 5.102 ng
RT: 12.880 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

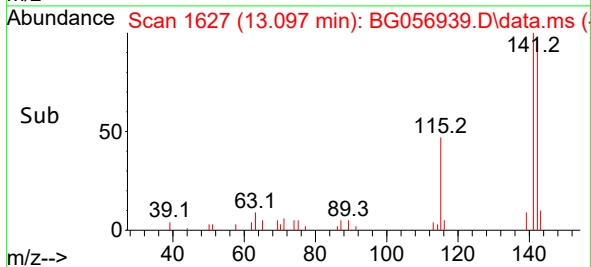
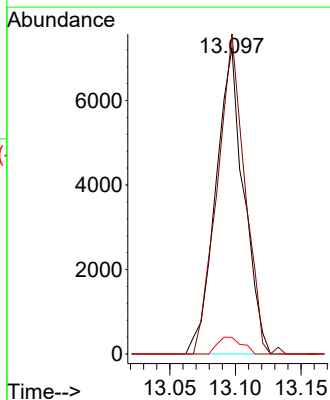
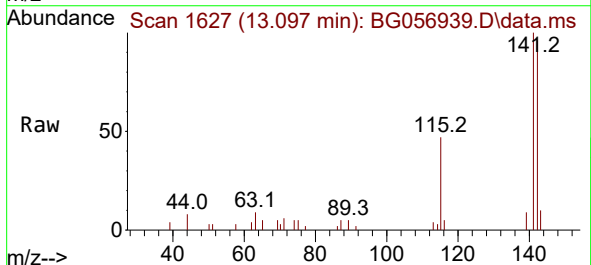
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023

Tgt Ion:142 Resp: 12825
Ion Ratio Lower Upper
142 100
141 87.5 70.3 105.5
115 37.8 33.5 50.3



#38
1-Methylnaphthalene
Concen: 4.568 ng
RT: 13.097 min Scan# 1627
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:142 Resp: 10782
Ion Ratio Lower Upper
142 100
141 104.6 74.0 111.0
116 5.4 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.030 min Scan# 1956

Delta R.T. -0.001 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

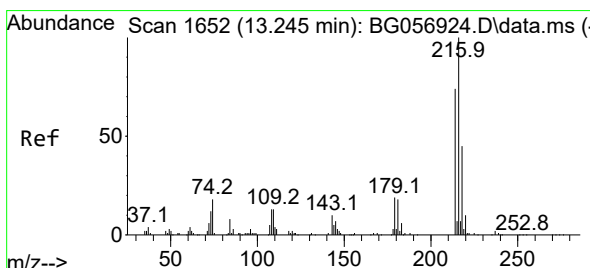
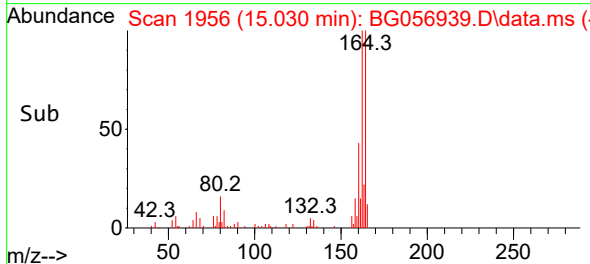
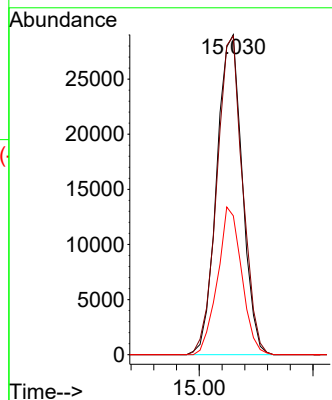
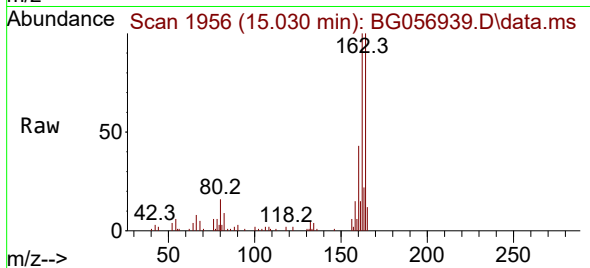
Tgt Ion:164 Resp: 45233

Ion Ratio Lower Upper

164 100

162 99.6 77.8 116.8

160 43.4 33.5 50.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.295 ng

RT: 13.238 min Scan# 1651

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Tgt Ion:216 Resp: 8305

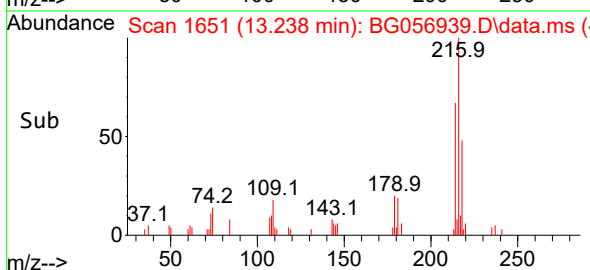
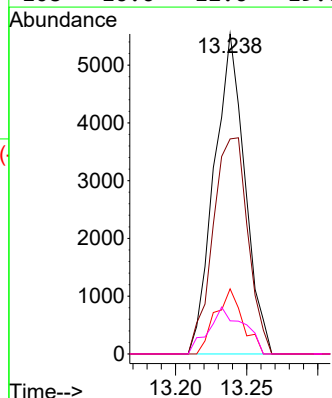
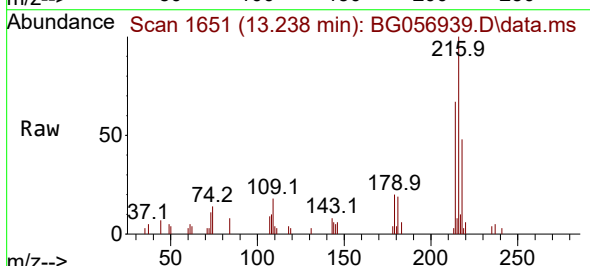
Ion Ratio Lower Upper

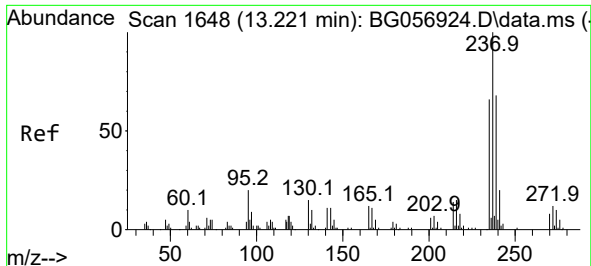
216 100

214 77.2 63.3 94.9

179 18.2 15.0 22.6

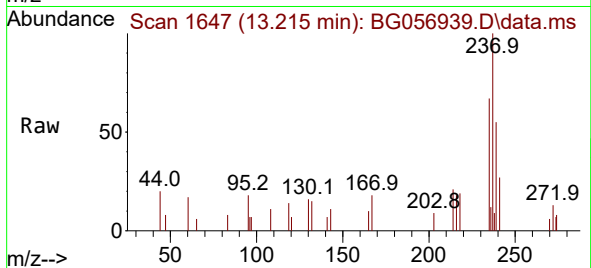
108 16.6 12.6 19.0



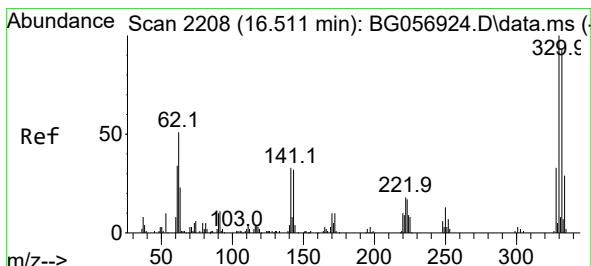
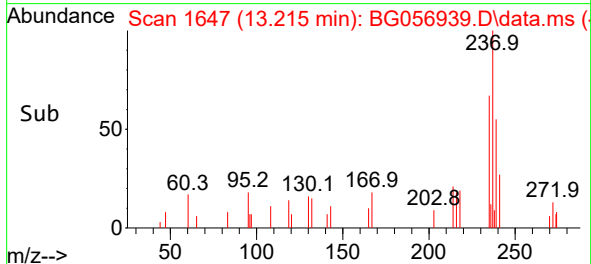
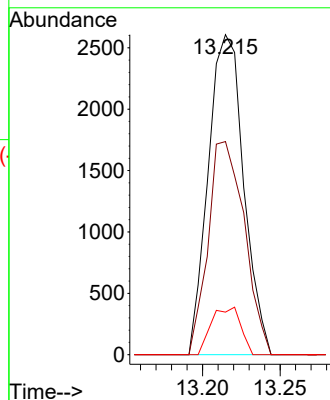


#41
Hexachlorocyclopentadiene
Concen: 4.789 ng
RT: 13.215 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

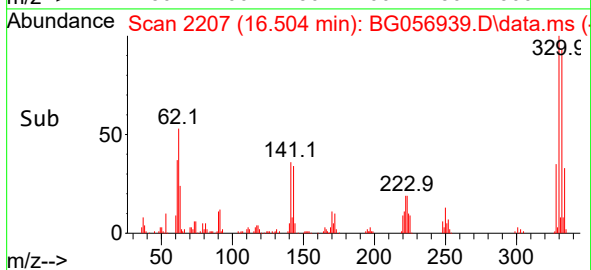
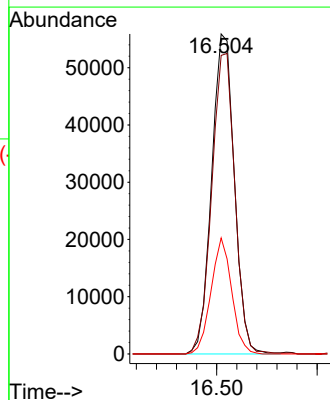
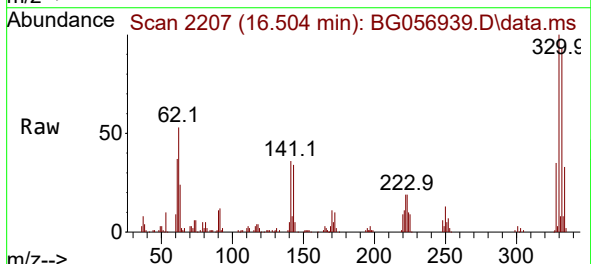


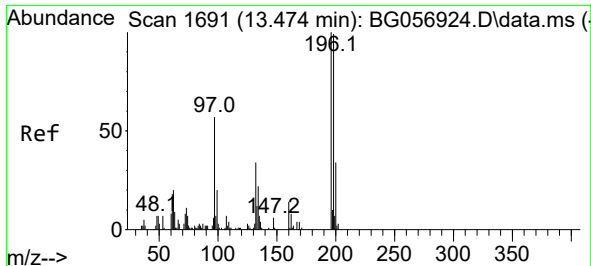
Tgt Ion:237 Resp: 4139
Ion Ratio Lower Upper
237 100
235 66.6 45.9 85.9
272 13.3 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 121.220 ng
RT: 16.504 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:330 Resp: 87595
Ion Ratio Lower Upper
330 100
332 95.8 76.1 114.1
141 33.0 25.8 38.6





#43

2,4,6-Trichlorophenol

Concen: 4.593 ng

RT: 13.467 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

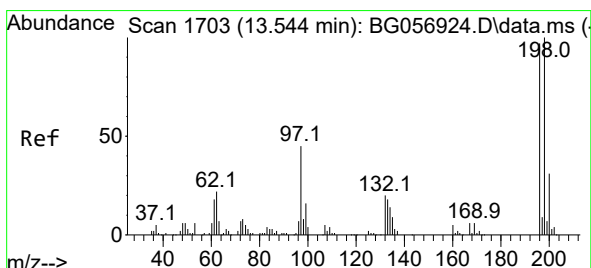
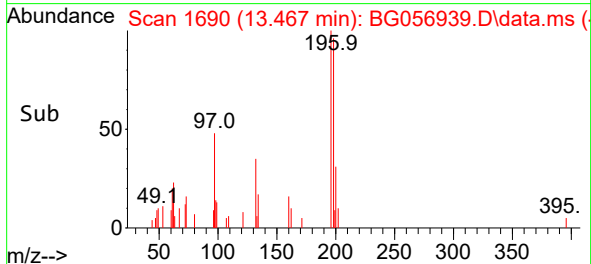
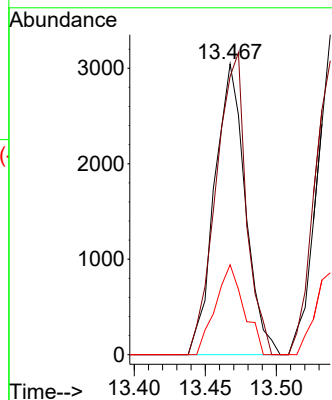
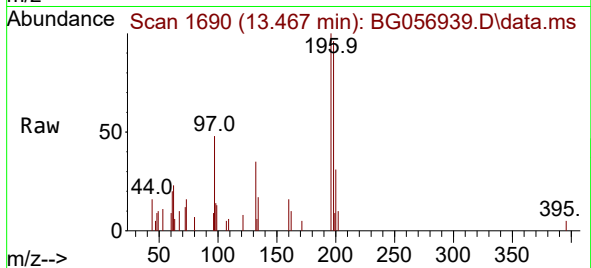
Tgt Ion:196 Resp: 4597

Ion Ratio Lower Upper

196 100

198 95.7 79.1 118.7

200 30.9 27.2 40.8



#44

2,4,5-Trichlorophenol

Concen: 4.247 ng

RT: 13.538 min Scan# 1702

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Tgt Ion:196 Resp: 5036

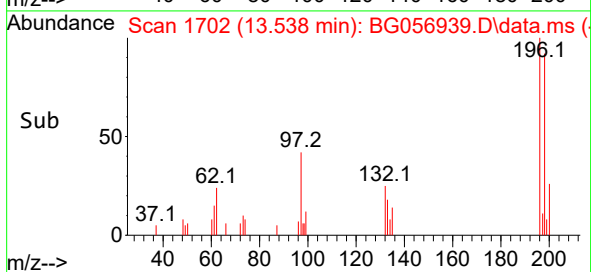
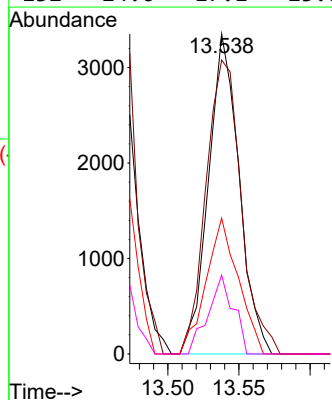
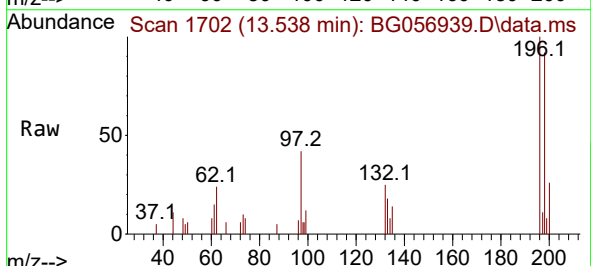
Ion Ratio Lower Upper

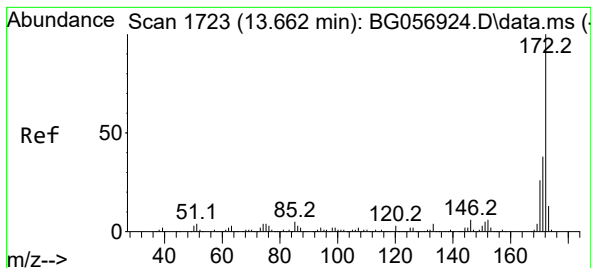
196 100

198 91.9 82.5 123.7

97 42.4 37.0 55.6

132 24.6 17.1 25.7





#45

2-Fluorobiphenyl

Concen: 86.429 ng

RT: 13.655 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

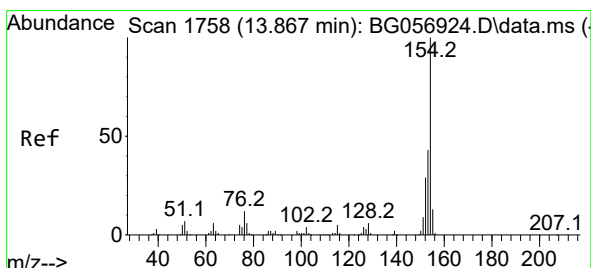
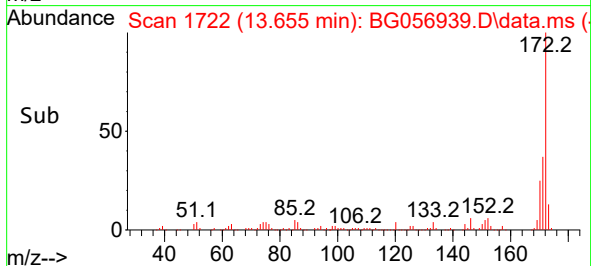
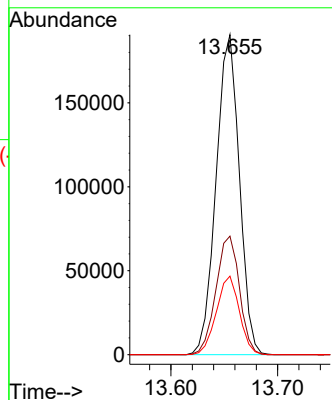
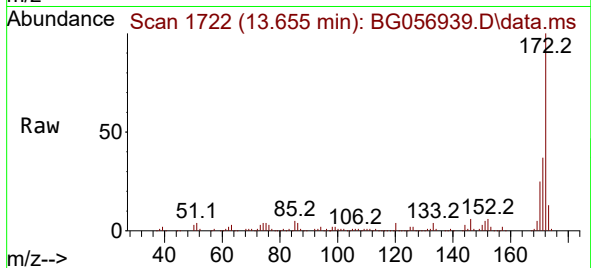
Tgt Ion:172 Resp: 288306

Ion Ratio Lower Upper

172 100

171 37.1 30.6 46.0

170 24.6 20.6 30.8



#46

1,1'-Biphenyl

Concen: 5.418 ng

RT: 13.861 min Scan# 1757

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

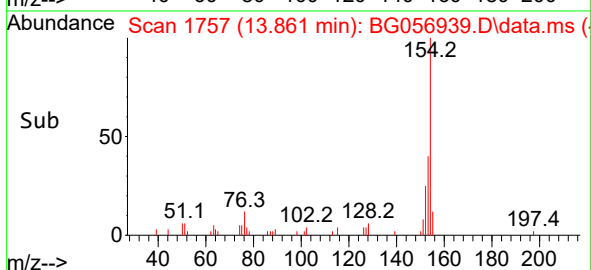
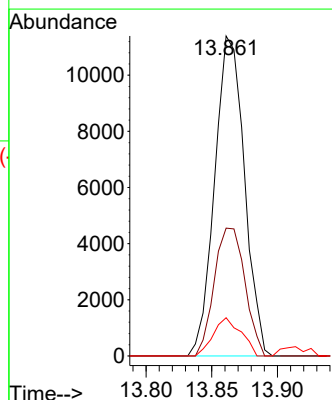
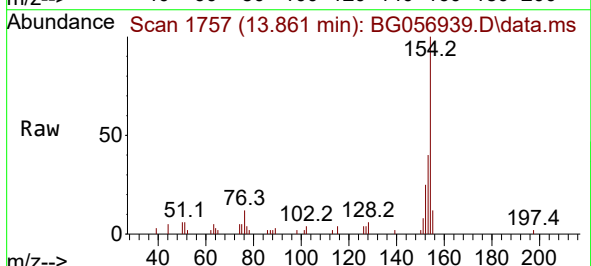
Tgt Ion:154 Resp: 17939

Ion Ratio Lower Upper

154 100

153 39.9 23.4 63.4

76 11.9 0.0 31.6

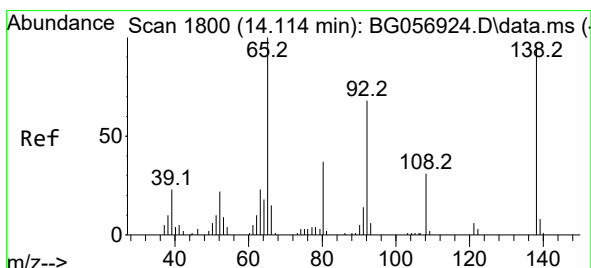
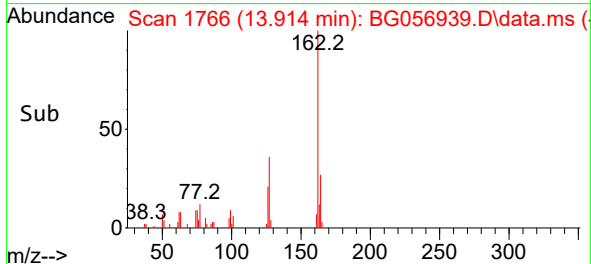
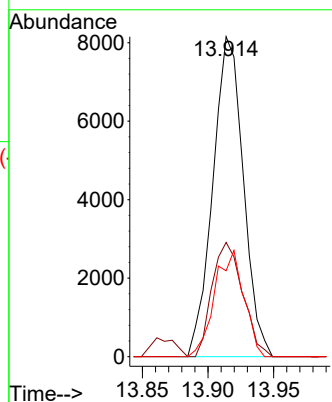
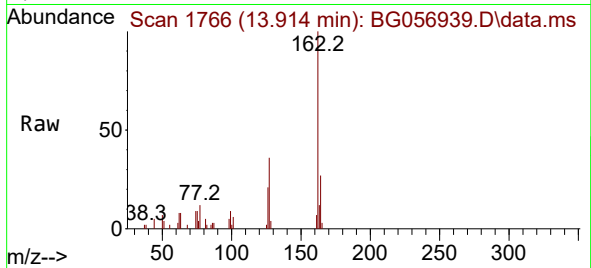




#47
2-Chloronaphthalene
Concen: 5.379 ng
RT: 13.914 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

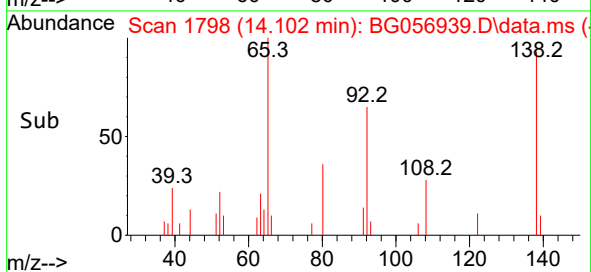
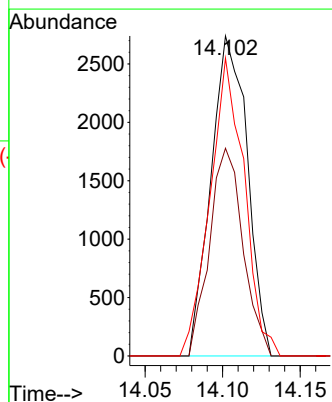
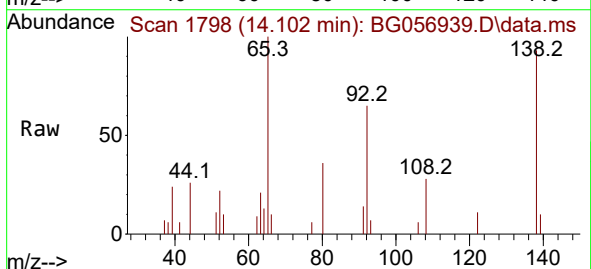
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

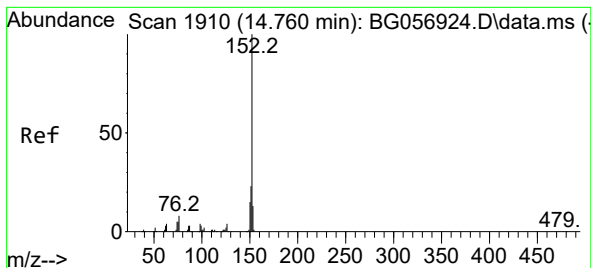
Tgt Ion:162 Resp: 13174
Ion Ratio Lower Upper
162 100
127 35.7 29.5 44.3
164 26.8 25.5 38.3



#48
2-Nitroaniline
Concen: 5.080 ng
RT: 14.102 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion: 65 Resp: 4448
Ion Ratio Lower Upper
65 100
92 64.9 54.3 81.5
138 93.1 76.0 114.0





#49

Acenaphthylene

Concen: 5.263 ng

RT: 14.754 min Scan# 1910

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

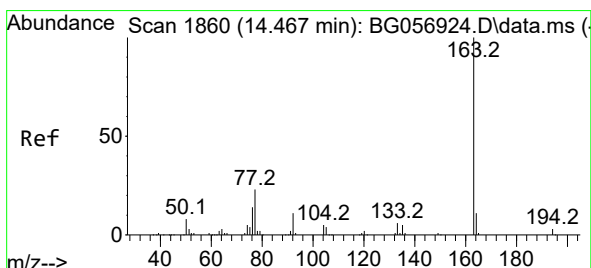
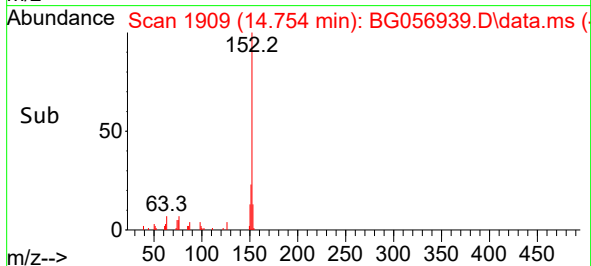
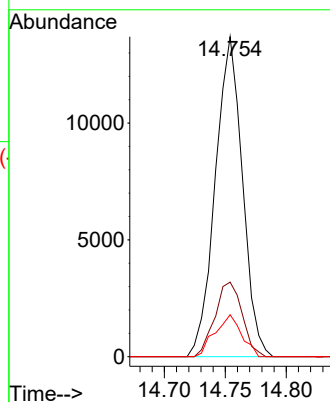
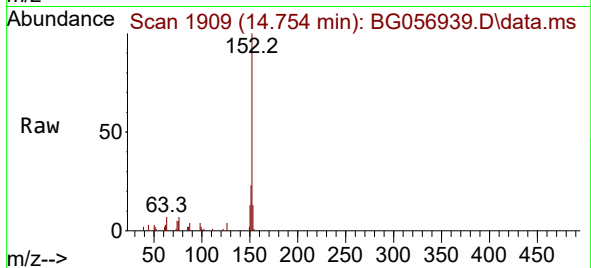
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:	152	Resp:	21178
Ion Ratio	Lower	Upper	
152	100		
151	23.3	18.2	27.2
153	13.1	10.5	15.7



#50

Dimethylphthalate

Concen: 5.130 ng

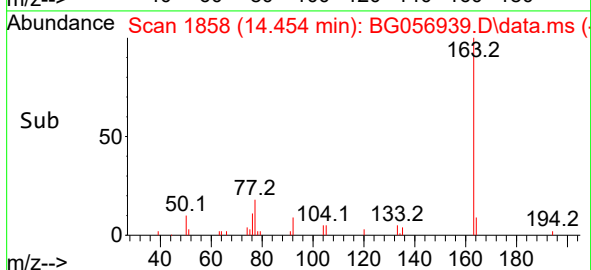
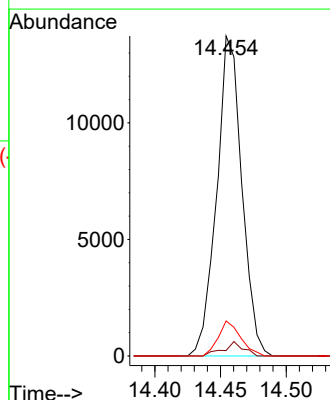
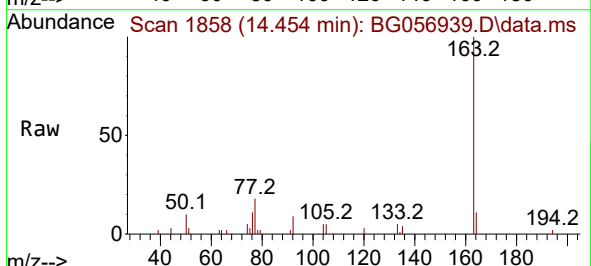
RT: 14.454 min Scan# 1858

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Tgt Ion:	163	Resp:	18282
Ion Ratio	Lower	Upper	
163	100		
194	1.7	2.8	4.2#
164	10.9	8.8	13.2

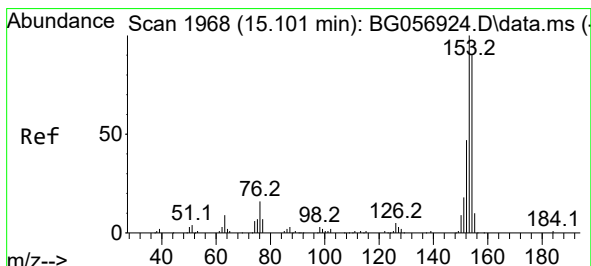
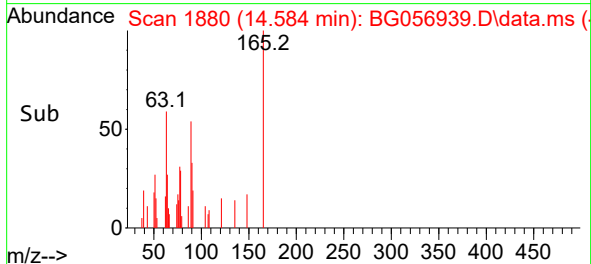
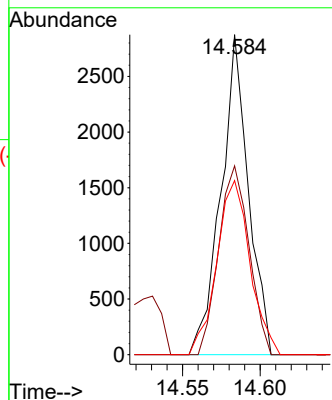
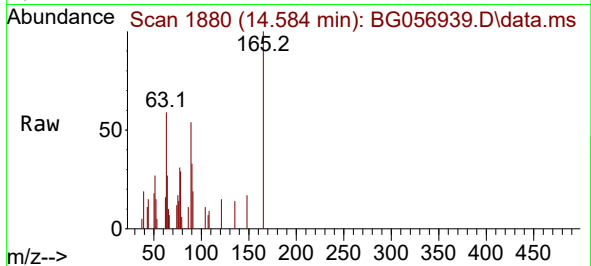




#51
2,6-Dinitrotoluene
Concen: 4.588 ng
RT: 14.584 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

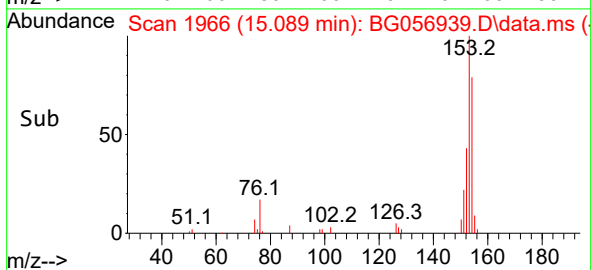
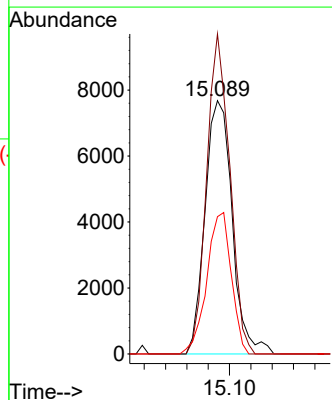
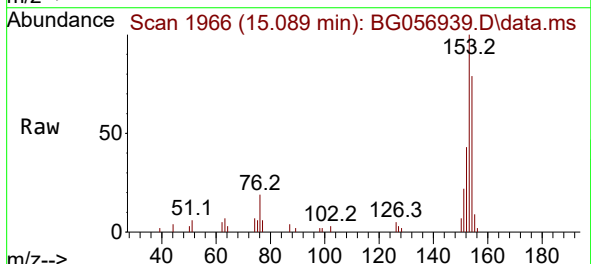
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

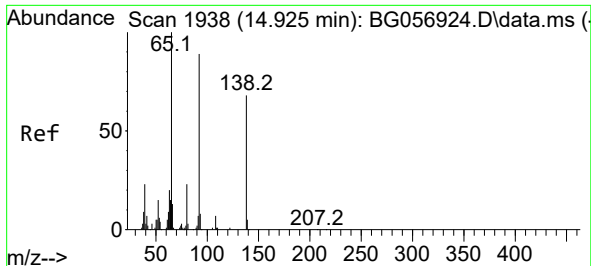
Tgt Ion:165 Resp: 3533
Ion Ratio Lower Upper
165 100
63 59.0 53.0 79.6
89 54.4 51.0 76.4



#52
Acenaphthene
Concen: 4.899 ng
RT: 15.089 min Scan# 1966
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:154 Resp: 13595
Ion Ratio Lower Upper
154 100
153 126.3 88.9 133.3
152 54.2 41.8 62.8

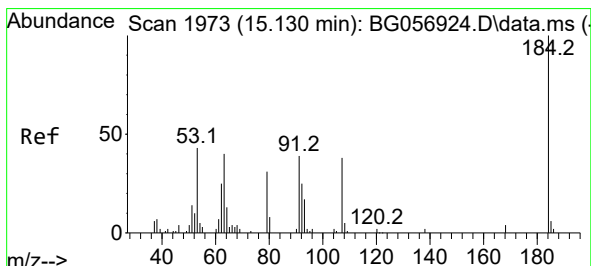
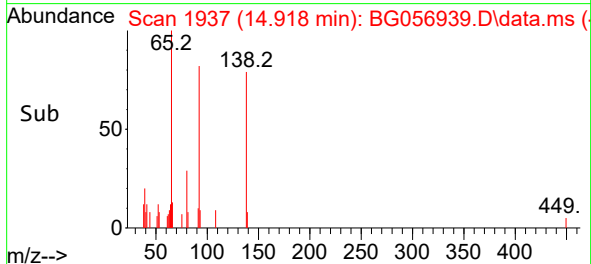
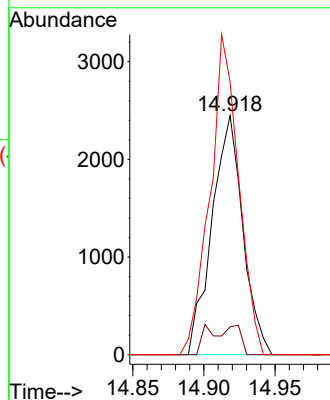
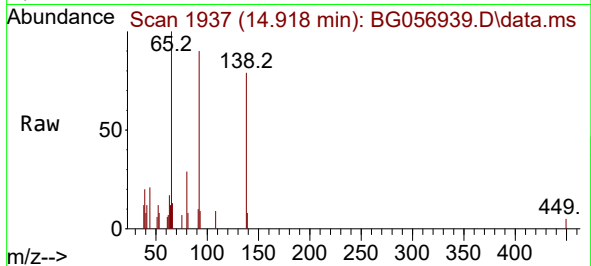




#53
3-Nitroaniline
Concen: 4.850 ng
RT: 14.918 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

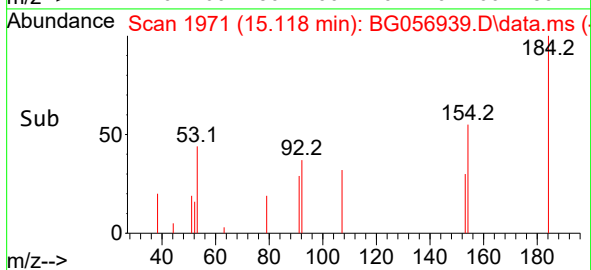
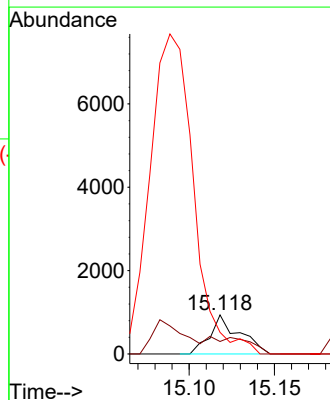
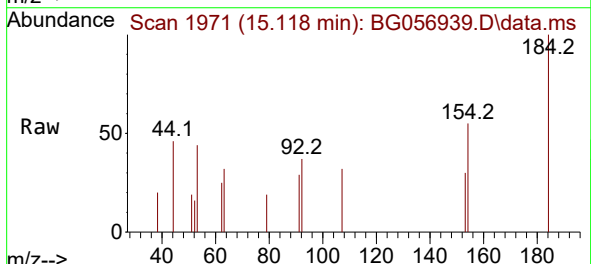
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:138 Resp: 3697
Ion Ratio Lower Upper
138 100
108 11.6 8.2 12.2
92 114.0 105.2 157.8



#54
2,4-Dinitrophenol
Concen: 2.579 ng
RT: 15.118 min Scan# 1971
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:184 Resp: 1118
Ion Ratio Lower Upper
184 100
63 32.0 46.5 69.7#
154 55.2 53.5 80.3





#55

Dibenzenofuran

Concen: 5.337 ng

RT: 15.418 min Scan# 20

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

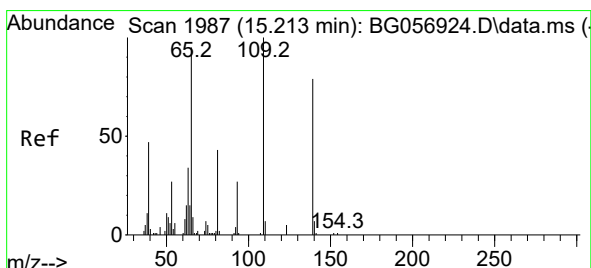
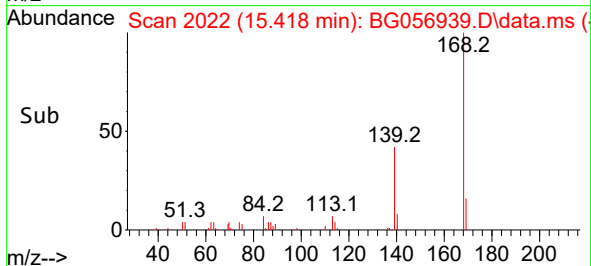
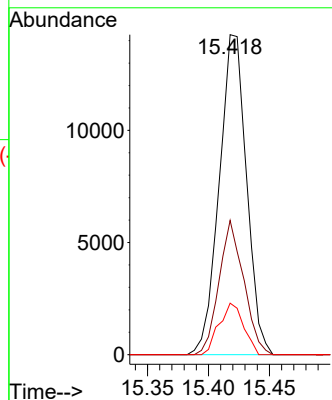
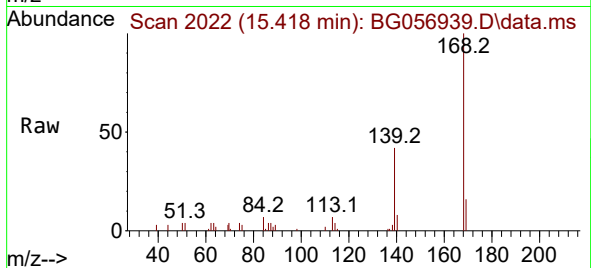
Tgt Ion:168 Resp: 22228

Ion Ratio Lower Upper

168 100

139 41.9 28.9 43.3

169 16.1 9.8 14.6#



#56

4-Nitrophenol

Concen: 4.413 ng

RT: 15.200 min Scan# 1985

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

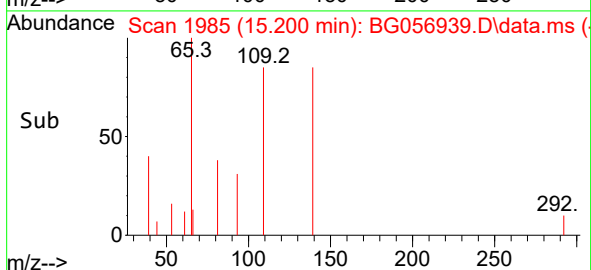
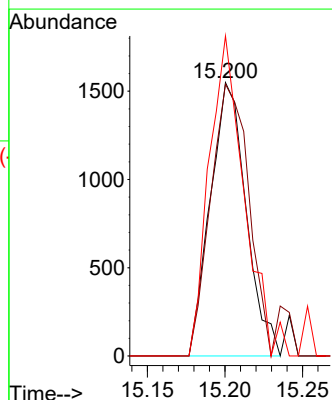
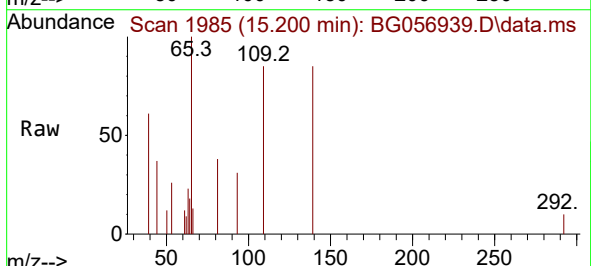
Tgt Ion:139 Resp: 2487

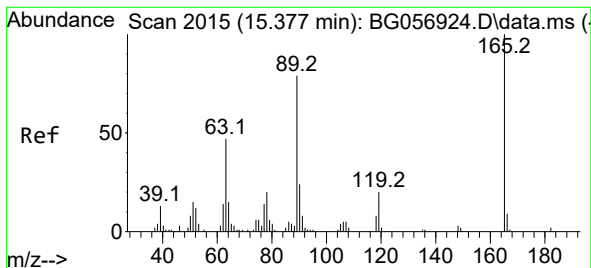
Ion Ratio Lower Upper

139 100

109 99.4 106.7 146.7#

65 117.0 100.5 140.5





#57

2,4-Dinitrotoluene

Concen: 5.037 ng

RT: 15.359 min Scan# 20

Delta R.T. -0.018 min

Lab File: BG056939.D

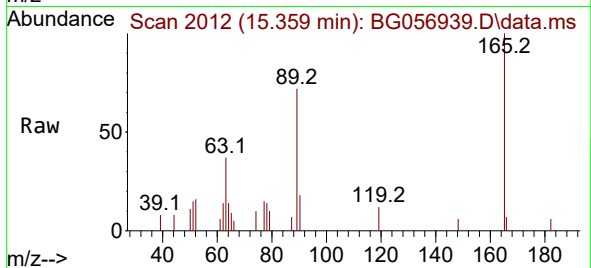
Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023



Tgt Ion:165 Resp: 5470

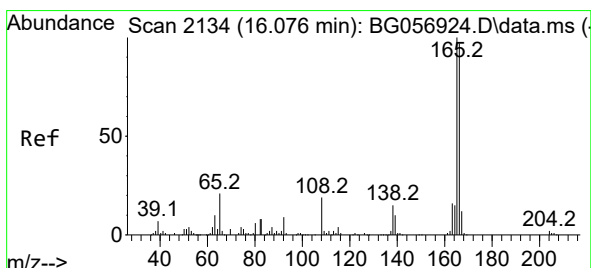
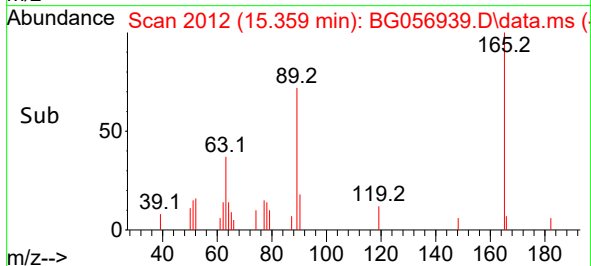
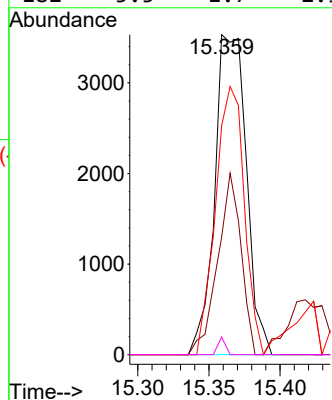
Ion Ratio Lower Upper

165 100

63 36.7 37.7 56.5#

89 71.6 63.2 94.8

182 5.5 1.7 2.5#



#58

Fluorene

Concen: 5.386 ng

RT: 16.064 min Scan# 2132

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

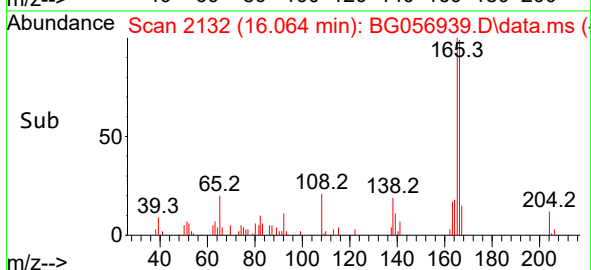
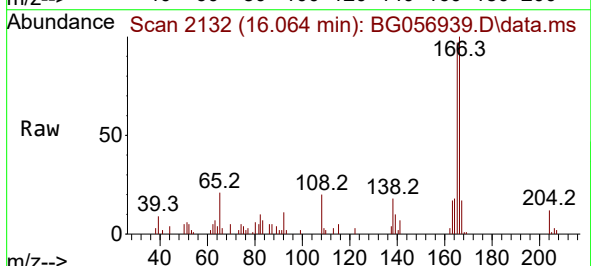
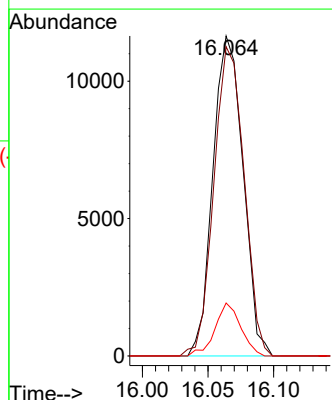
Tgt Ion:166 Resp: 18564

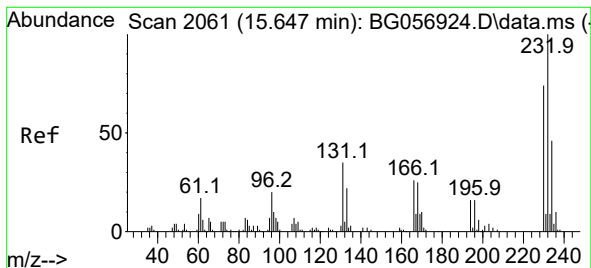
Ion Ratio Lower Upper

166 100

165 96.6 82.6 123.8

167 16.5 10.2 15.2#

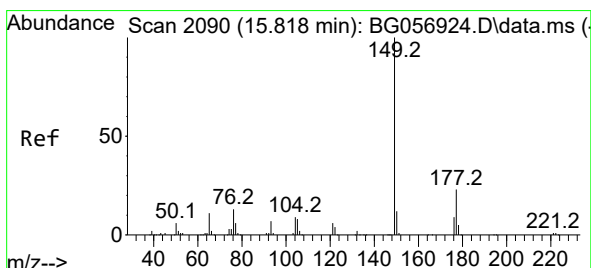
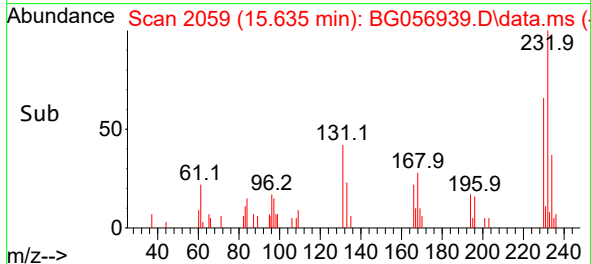
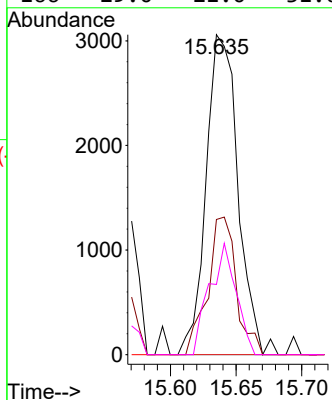
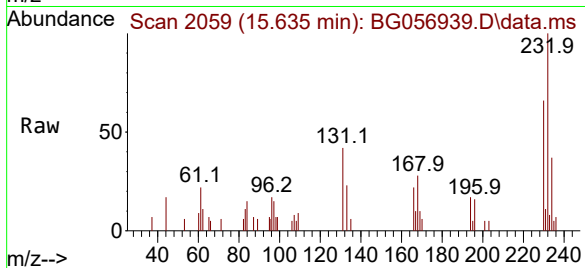




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.785 ng
RT: 15.635 min Scan# 2061
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

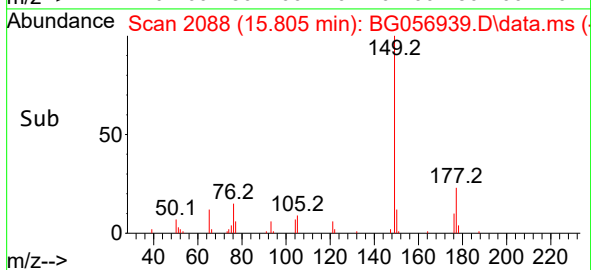
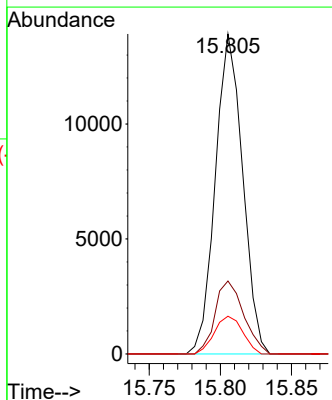
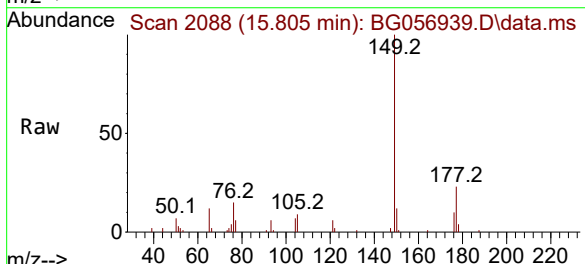
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

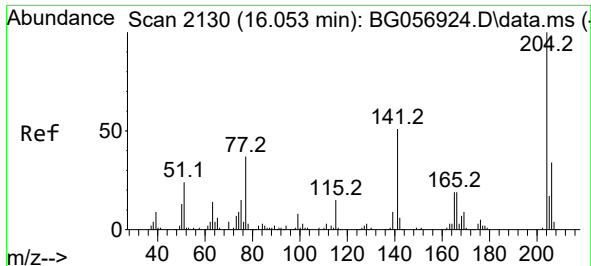
Tgt Ion:	232	Resp:	5166
Ion Ratio	Lower	Upper	
232	100		
131	38.6	29.3	43.9
130	0.0	1.7	2.5
166	29.0	21.0	31.6



#60
Diethylphthalate
Concen: 5.186 ng
RT: 15.805 min Scan# 2088
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:	149	Resp:	18528
Ion Ratio	Lower	Upper	
149	100		
177	22.8	18.8	28.2
150	11.8	9.4	14.2

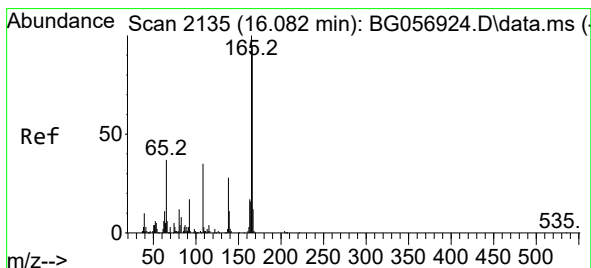
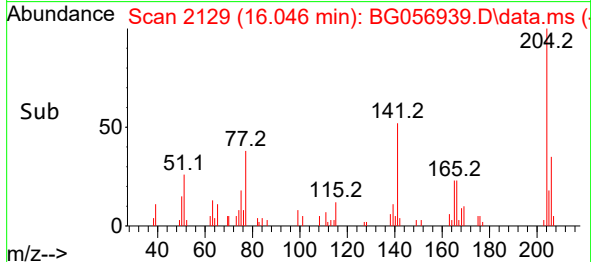
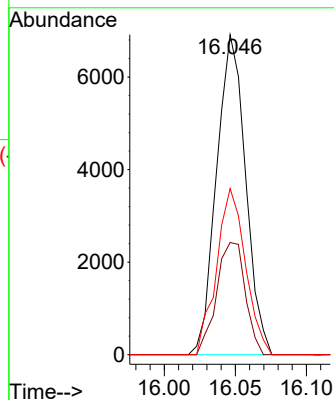
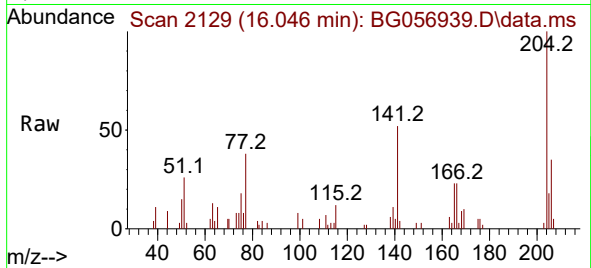




#61
4-Chlorophenyl-phenylether
Concen: 4.845 ng
RT: 16.046 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

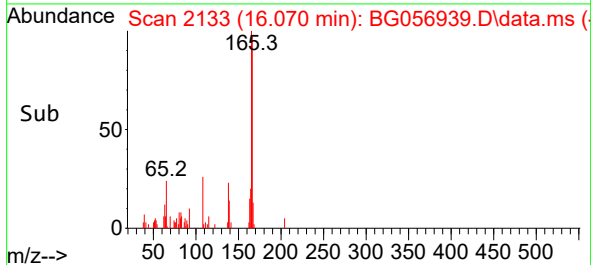
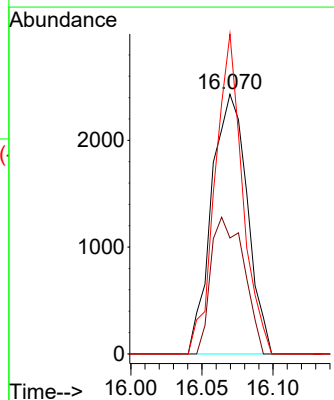
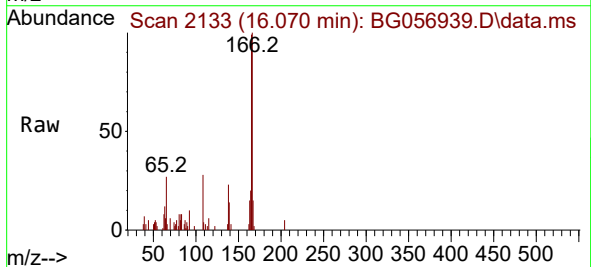
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

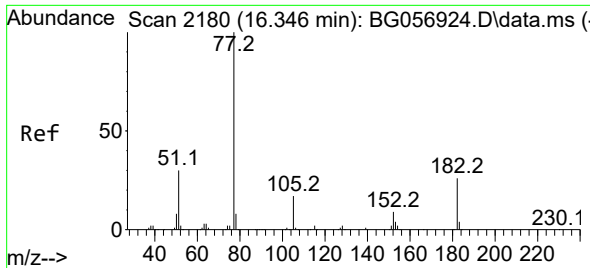
Tgt Ion:204 Resp: 9803
Ion Ratio Lower Upper
204 100
206 35.1 27.2 40.8
141 51.9 40.7 61.1



#62
4-Nitroaniline
Concen: 5.375 ng
RT: 16.070 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:138 Resp: 4245
Ion Ratio Lower Upper
138 100
92 44.7 40.9 80.9
108 123.2 104.3 144.3

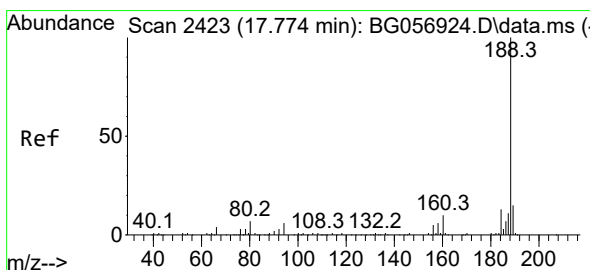
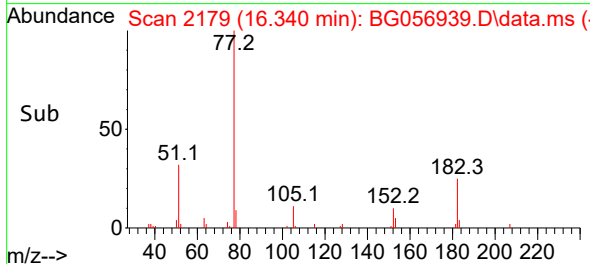
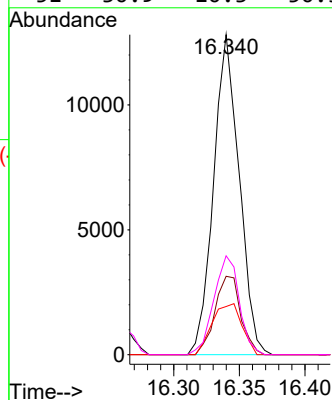
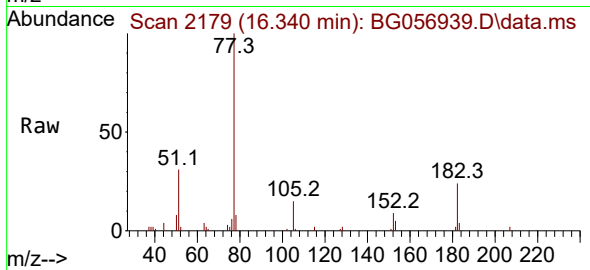




#63
Azobenzene
Concen: 4.880 ng
RT: 16.340 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

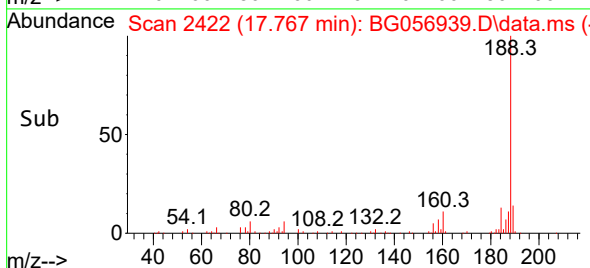
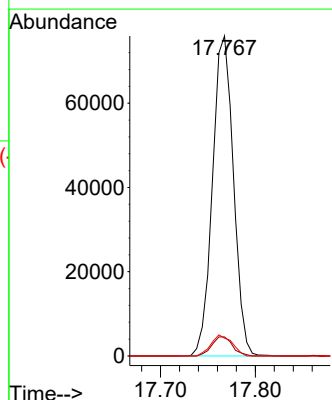
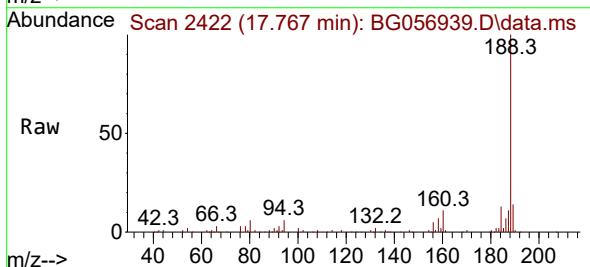
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023

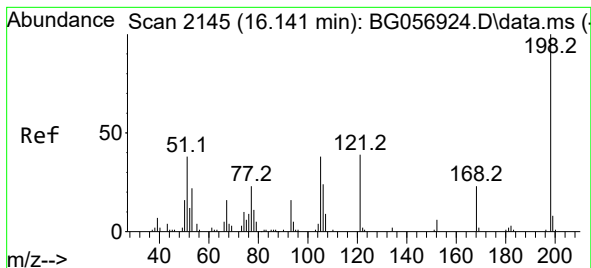
Tgt Ion: 77	Resp: 17378
Ion Ratio	Lower Upper
77 100	
182 24.5	5.9 45.9
105 15.0	0.0 36.8
51 30.9	10.3 50.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.767 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion: 188	Resp: 116544
Ion Ratio	Lower Upper
188 100	
94 5.9	4.6 6.8
80 5.6	5.5 8.3

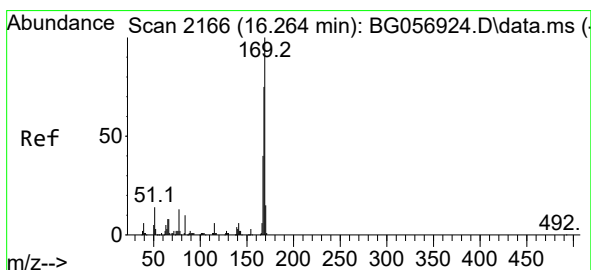
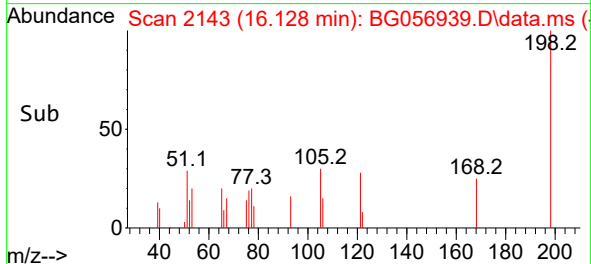
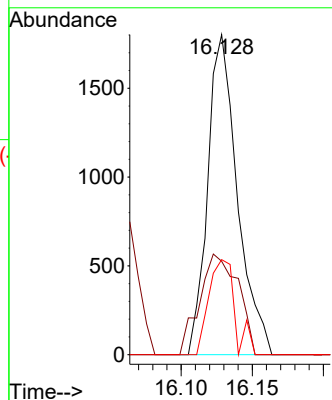
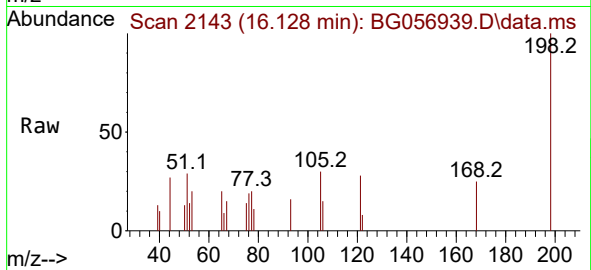




#65
4,6-Dinitro-2-methylphenol
Concen: 3.709 ng
RT: 16.128 min Scan# 2143
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

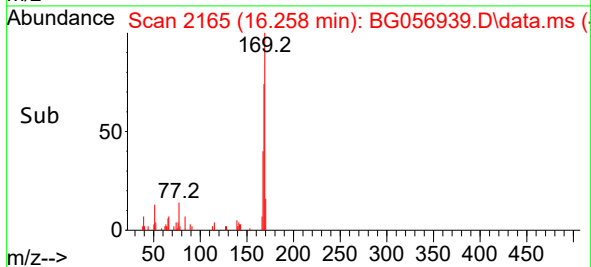
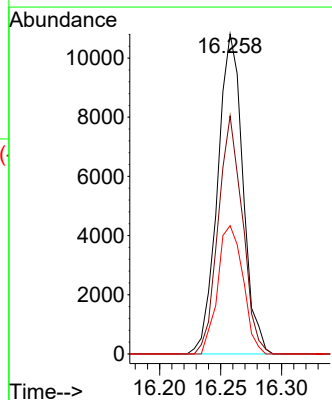
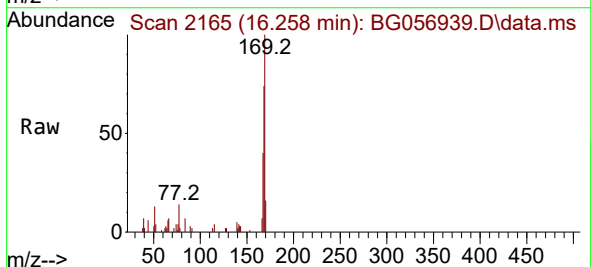
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

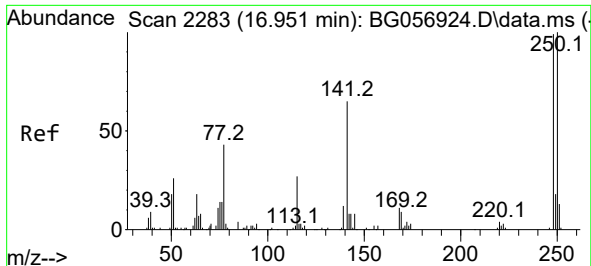
Tgt Ion:198 Resp: 2618
Ion Ratio Lower Upper
198 100
51 29.2 20.5 60.5
105 29.7 18.1 58.1



#66
n-Nitrosodiphenylamine
Concen: 4.993 ng
RT: 16.258 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:169 Resp: 15620
Ion Ratio Lower Upper
169 100
168 74.4 59.6 89.4
167 40.1 31.8 47.8

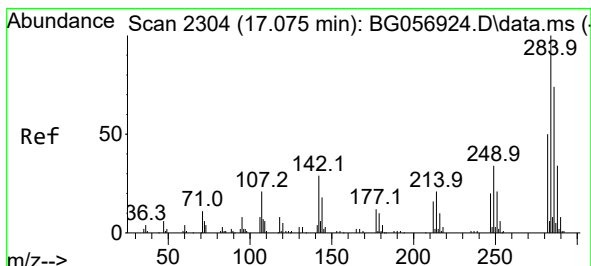
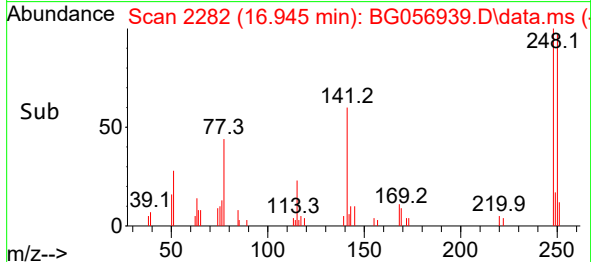
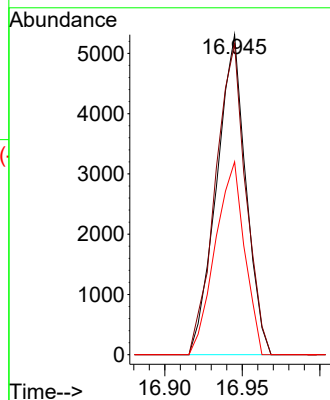
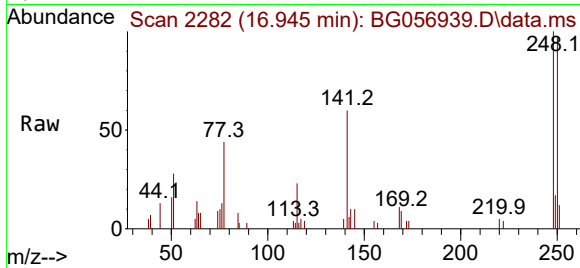




#67
4-Bromophenyl-phenylether
Concen: 4.823 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

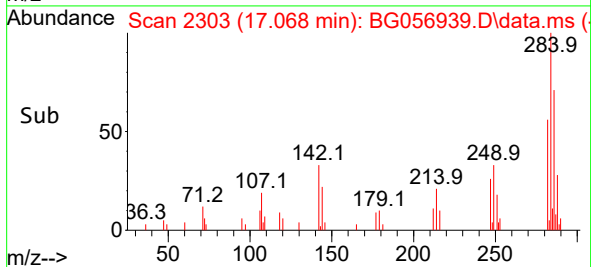
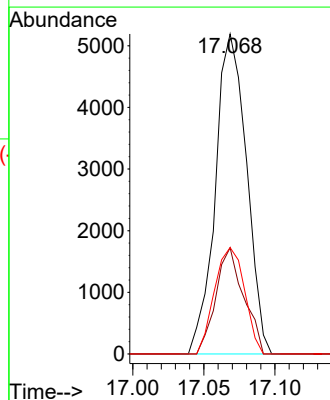
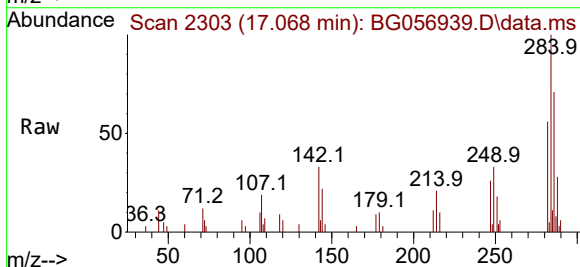
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

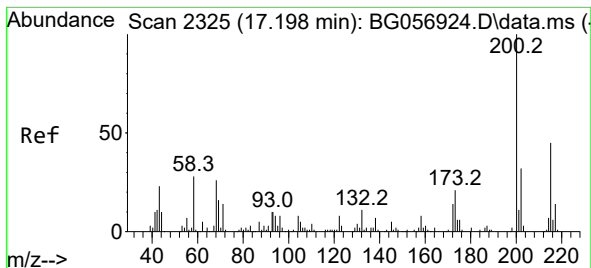
Tgt Ion:248 Resp: 6955
Ion Ratio Lower Upper
248 100
250 97.2 80.5 120.7
141 60.2 52.0 78.0



#68
Hexachlorobenzene
Concen: 5.556 ng
RT: 17.068 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:284 Resp: 7921
Ion Ratio Lower Upper
284 100
142 33.2 23.0 34.4
249 33.3 27.1 40.7





#69

Atrazine

Concen: 5.635 ng

RT: 17.186 min Scan# 21

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

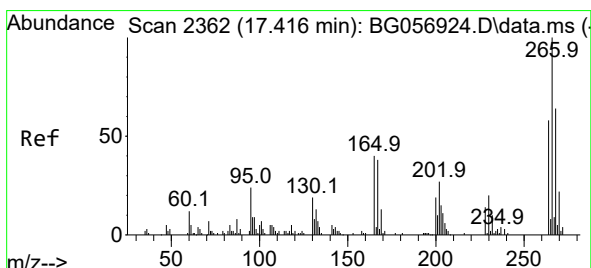
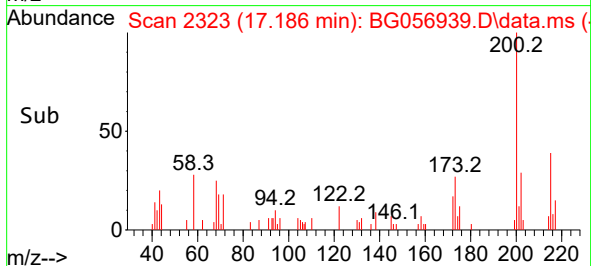
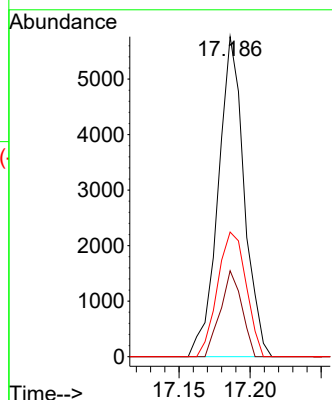
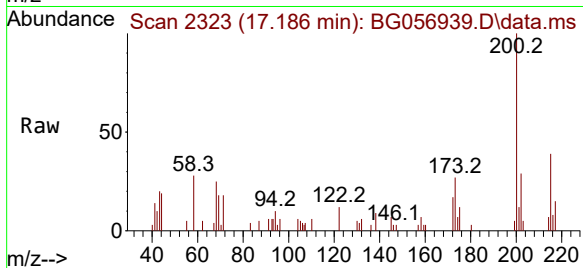
Tgt Ion:200 Resp: 7318

Ion Ratio Lower Upper

200 100

173 26.9 1.0 41.0

215 38.9 25.0 65.0



#70

Pentachlorophenol

Concen: 2.500 ng

RT: 17.409 min Scan# 2361

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

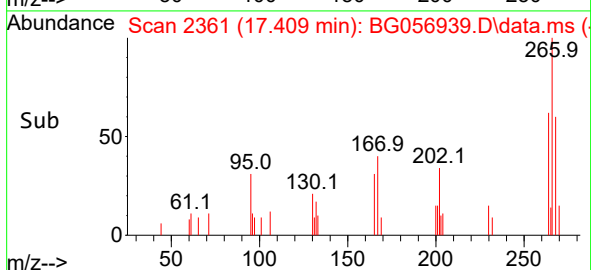
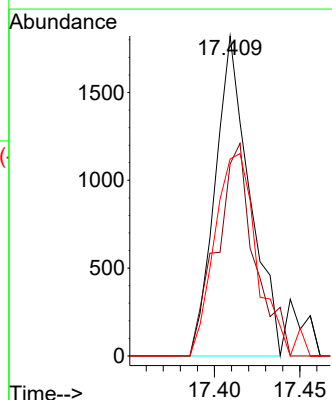
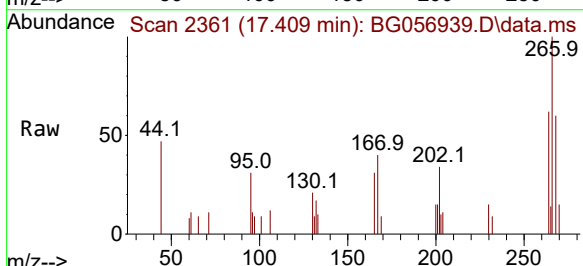
Tgt Ion:266 Resp: 2557

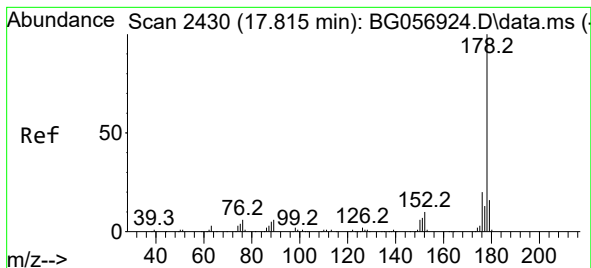
Ion Ratio Lower Upper

266 100

268 60.0 51.0 76.6

264 61.5 46.8 70.2





#71

Phenanthrene

Concen: 5.313 ng

RT: 17.809 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

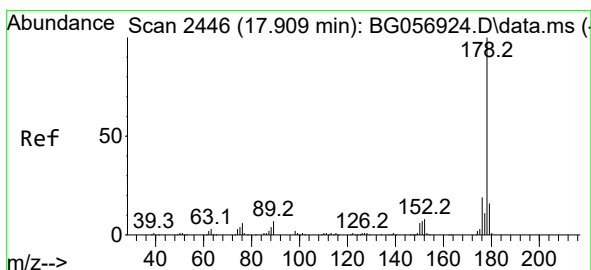
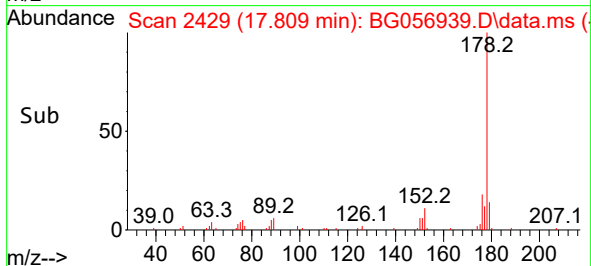
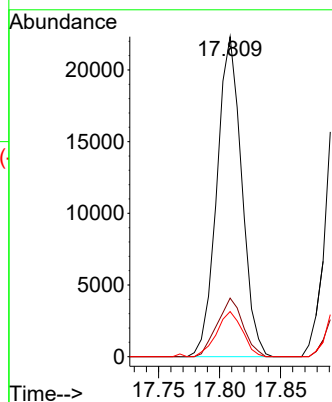
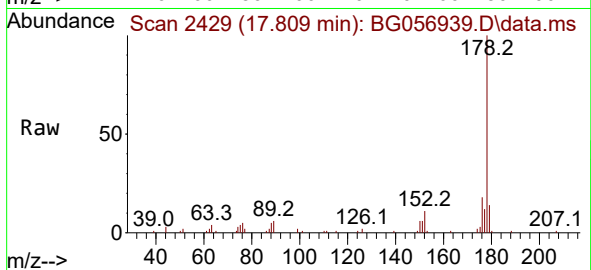
Tgt Ion:178 Resp: 31570

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.2

179 14.1 12.5 18.7



#72

Anthracene

Concen: 5.012 ng

RT: 17.897 min Scan# 2444

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

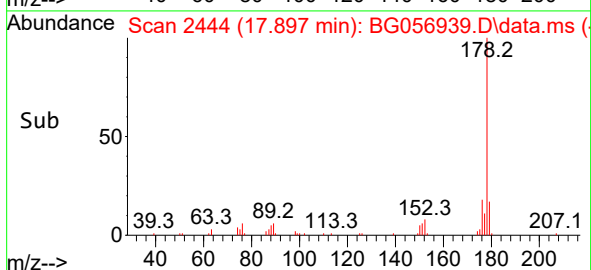
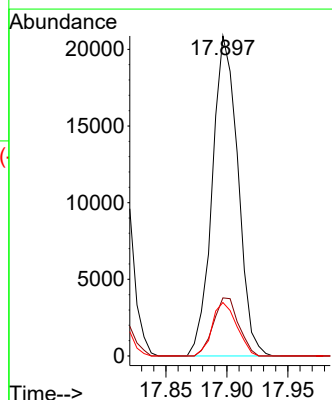
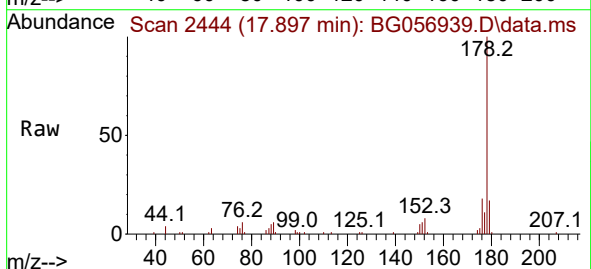
Tgt Ion:178 Resp: 30529

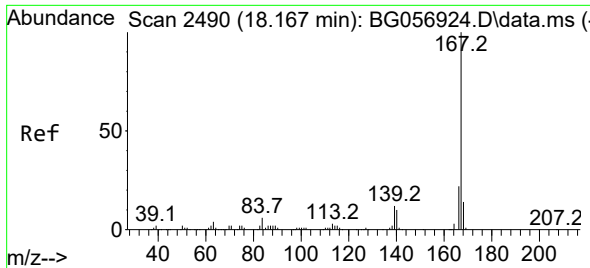
Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

179 16.7 12.4 18.6

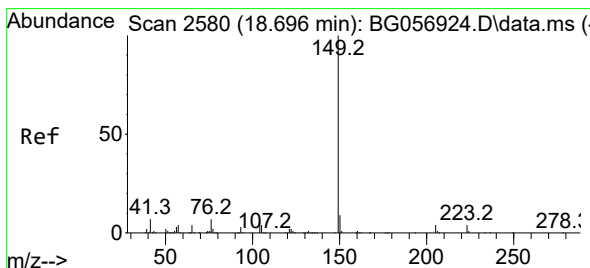
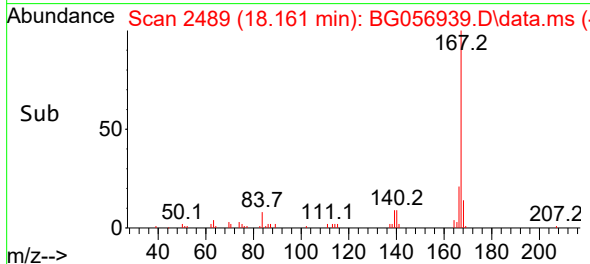
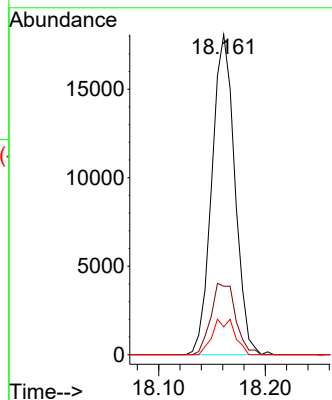
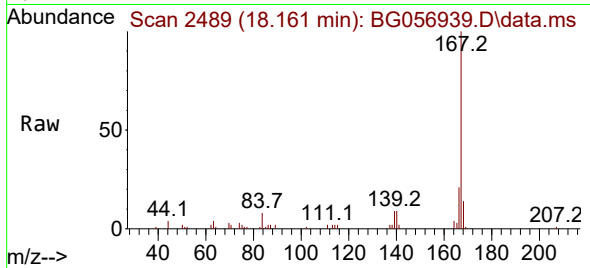




#73
Carbazole
Concen: 5.083 ng
RT: 18.161 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

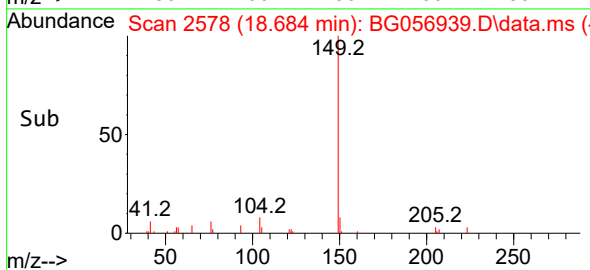
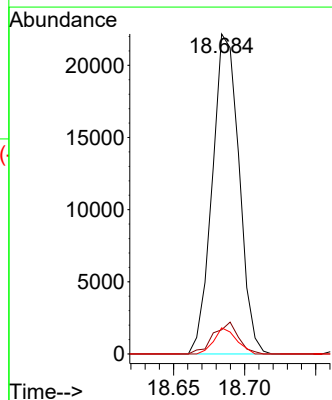
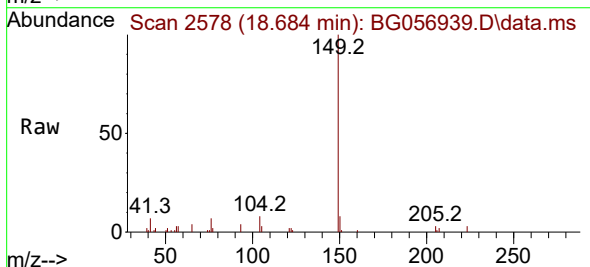
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

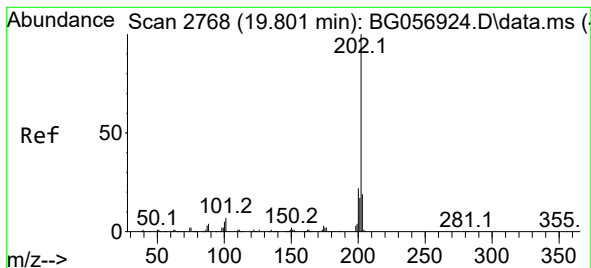
Tgt Ion:167 Resp: 26997
Ion Ratio Lower Upper
167 100
166 21.4 17.9 26.9
139 8.7 9.5 14.3#



#74
Di-n-butylphthalate
Concen: 4.718 ng
RT: 18.684 min Scan# 2578
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:149 Resp: 29014
Ion Ratio Lower Upper
149 100
150 7.5 7.4 11.0
104 8.1 4.9 7.3#





#75

Fluoranthene

Concen: 4.926 ng

RT: 19.794 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

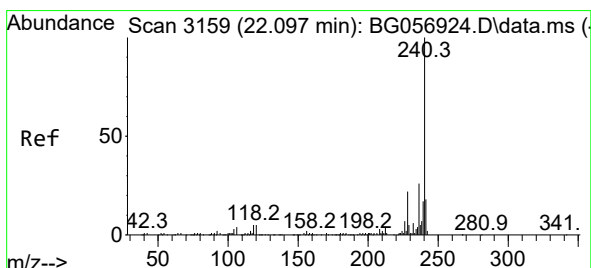
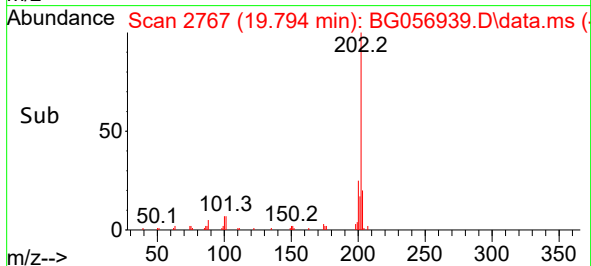
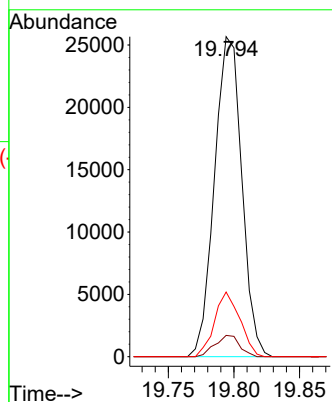
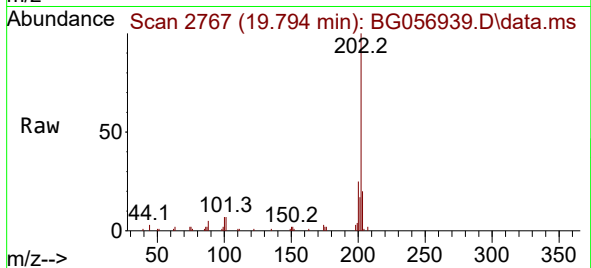
Tgt Ion:202 Resp: 37106

Ion Ratio Lower Upper

202 100

101 6.7 0.0 26.7

203 20.2 0.0 39.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.091 min Scan# 3158

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

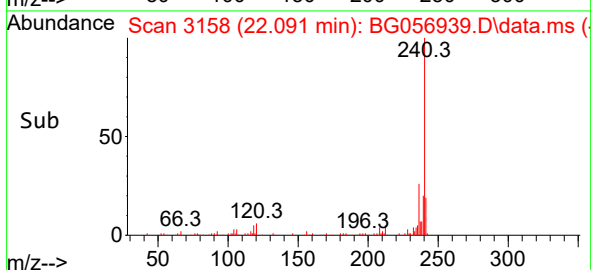
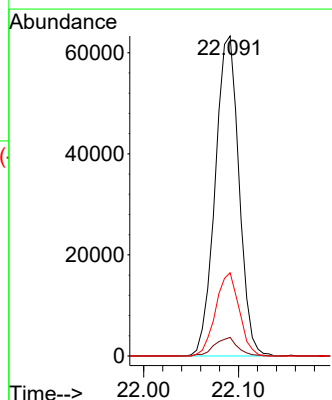
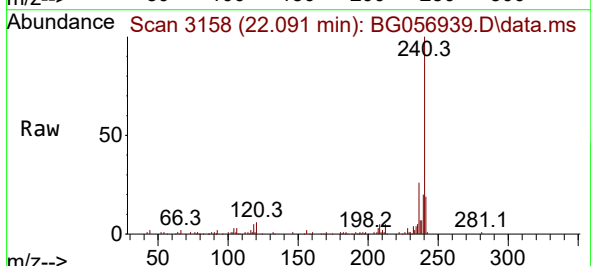
Tgt Ion:240 Resp: 110516

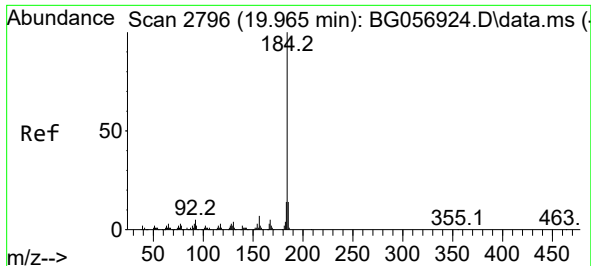
Ion Ratio Lower Upper

240 100

120 5.8 3.8 5.6#

236 26.0 21.0 31.6

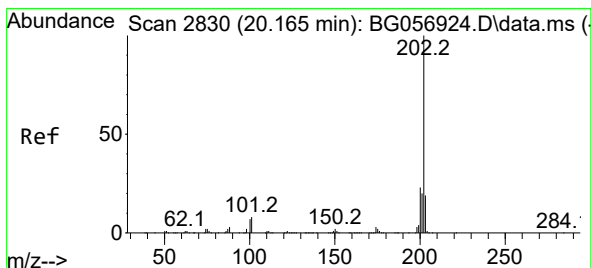
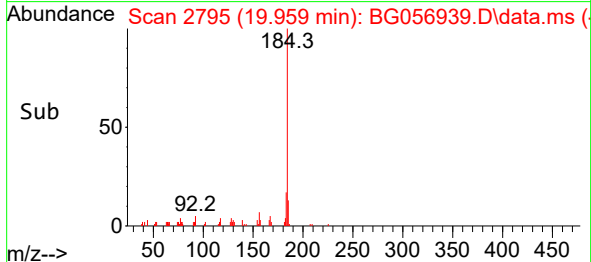
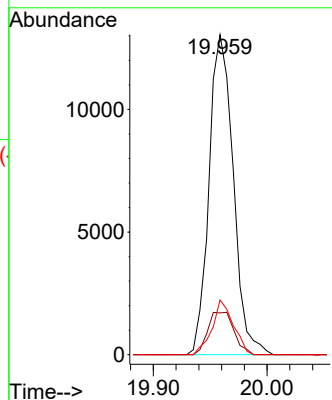
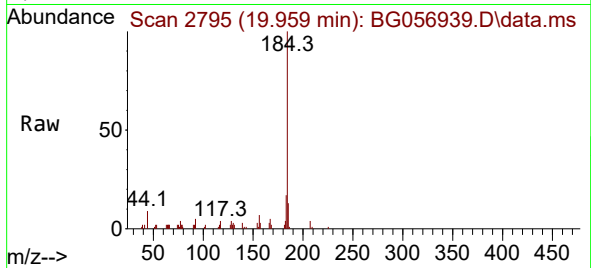




#77
Benzidine
Concen: 6.387 ng
RT: 19.959 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

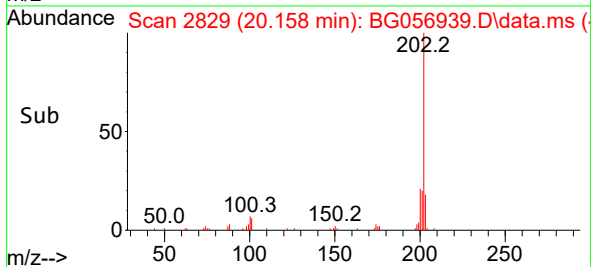
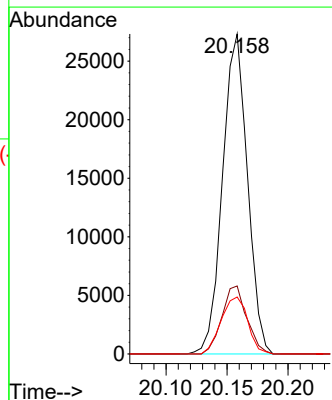
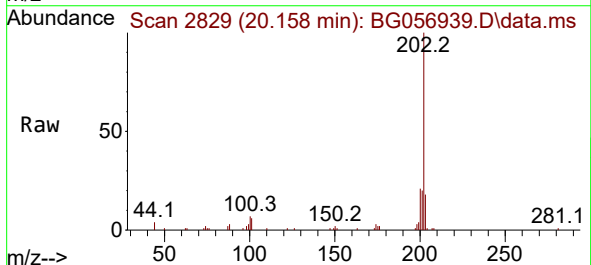
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:184 Resp: 19295
Ion Ratio Lower Upper
184 100
185 13.1 11.0 16.4
183 17.1 11.4 17.0#



#78
Pyrene
Concen: 5.074 ng
RT: 20.158 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:202 Resp: 38783
Ion Ratio Lower Upper
202 100
200 21.2 18.7 28.1
203 17.8 15.4 23.2

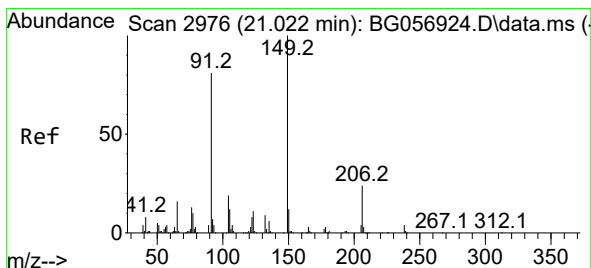
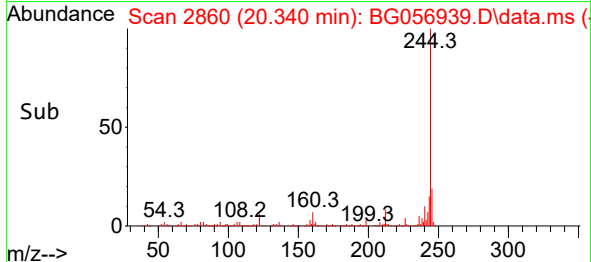
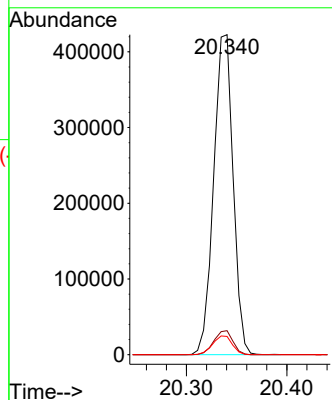
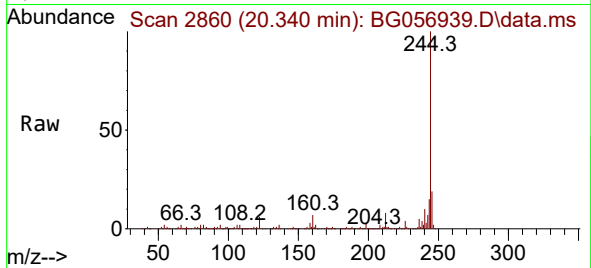




#79
 Terphenyl-d14
 Concen: 87.085 ng
 RT: 20.340 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG056939.D
 Acq: 31 Mar 2023 9:53

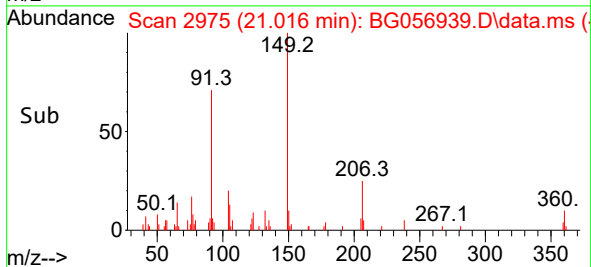
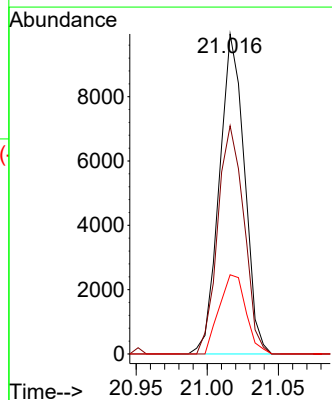
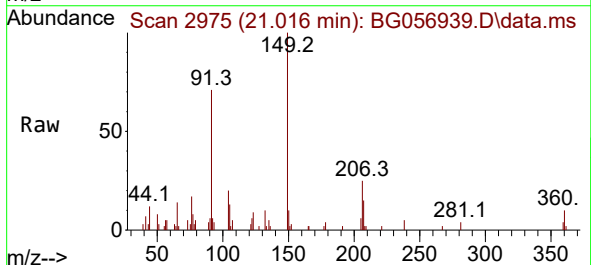
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

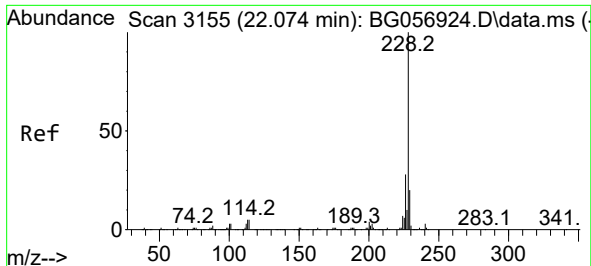
Tgt Ion:244 Resp: 568757
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 5.7 5.0 7.4



#80
 Butylbenzylphthalate
 Concen: 4.634 ng
 RT: 21.016 min Scan# 2975
 Delta R.T. -0.006 min
 Lab File: BG056939.D
 Acq: 31 Mar 2023 9:53

Tgt Ion:149 Resp: 12188
 Ion Ratio Lower Upper
 149 100
 91 71.3 64.4 96.6
 206 24.7 18.9 28.3

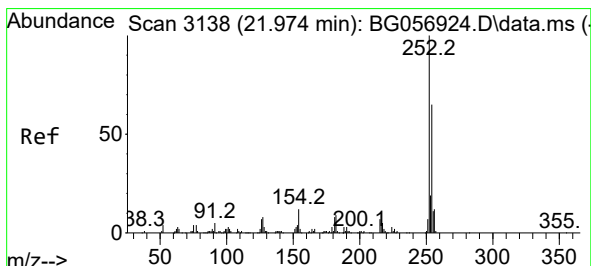
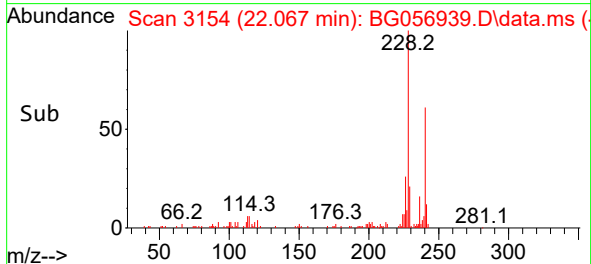
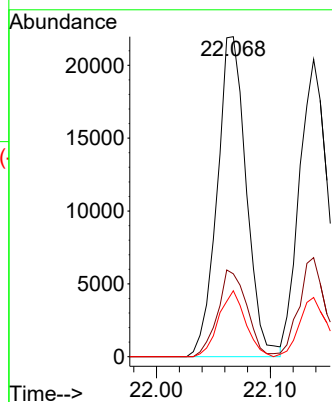
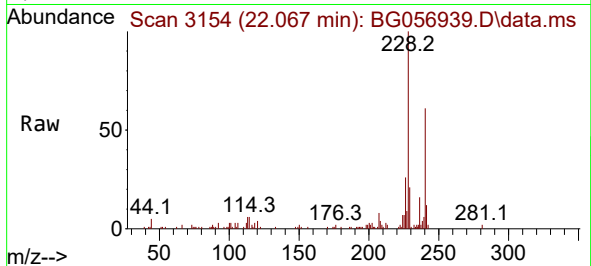




#81
Benzo(a)anthracene
Concen: 5.116 ng
RT: 22.067 min Scan# 3155
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

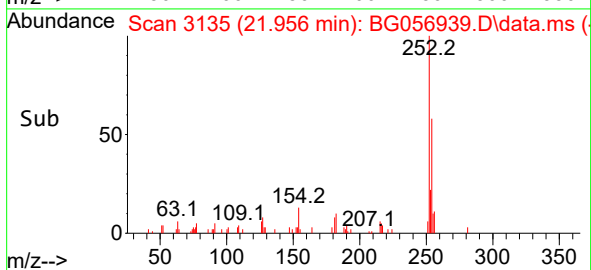
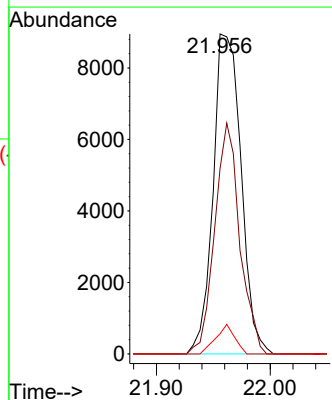
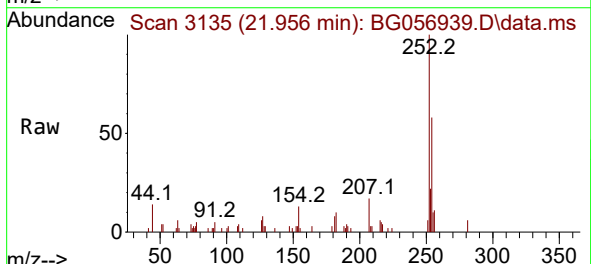
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

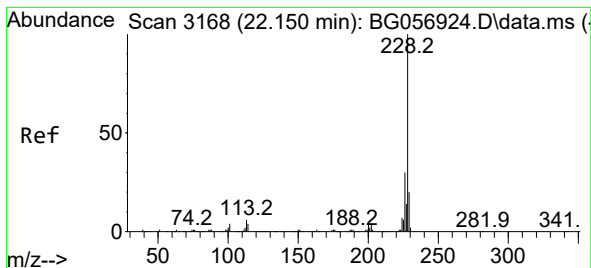
Tgt Ion:228 Resp: 39123
Ion Ratio Lower Upper
228 100
226 25.9 22.1 33.1
229 20.6 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 5.921 ng
RT: 21.956 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:252 Resp: 15292
Ion Ratio Lower Upper
252 100
254 57.9 51.7 77.5
126 6.3 5.6 8.4





#83

Chrysene

Concen: 4.889 ng

RT: 22.138 min Scan# 3166

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

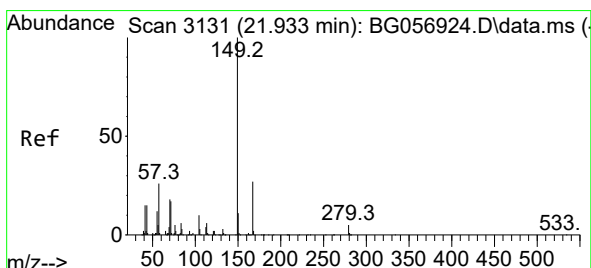
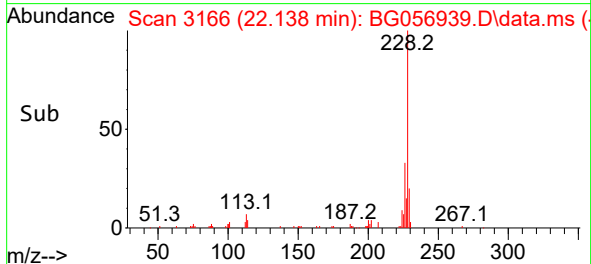
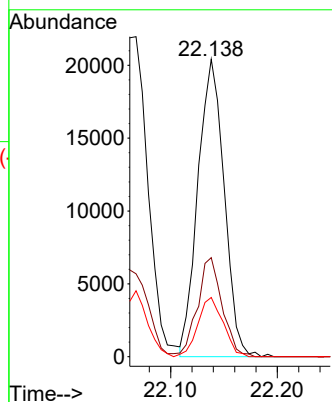
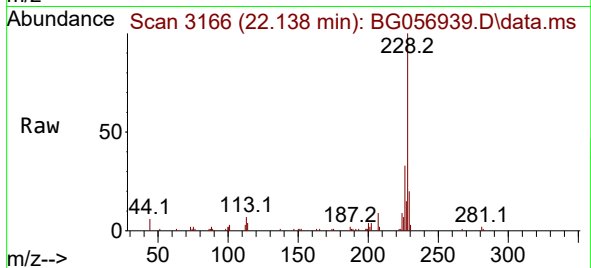
Tgt Ion:228 Resp: 35006

Ion Ratio Lower Upper

228 100

226 33.3 24.1 36.1

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.894 ng

RT: 21.921 min Scan# 3129

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

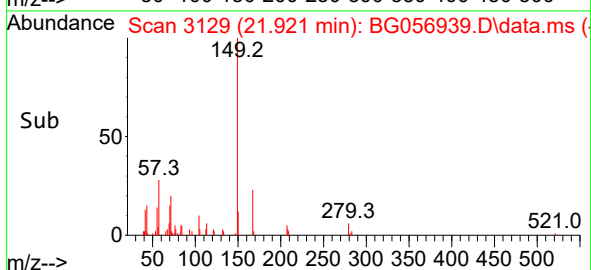
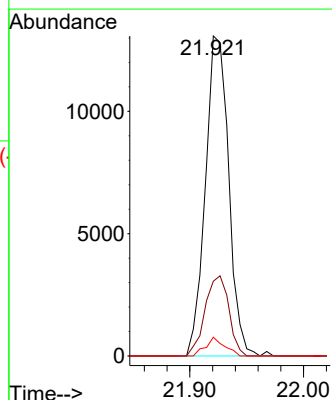
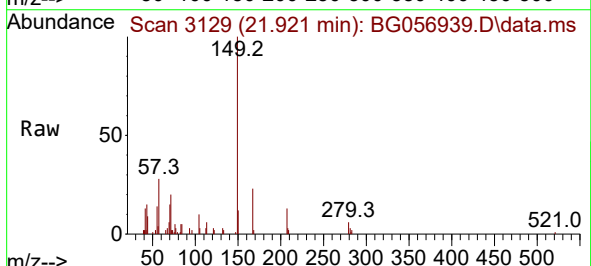
Tgt Ion:149 Resp: 18639

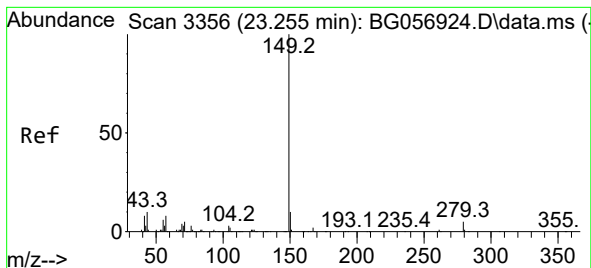
Ion Ratio Lower Upper

149 100

167 23.4 21.4 32.2

279 5.9 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 4.847 ng

RT: 23.242 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

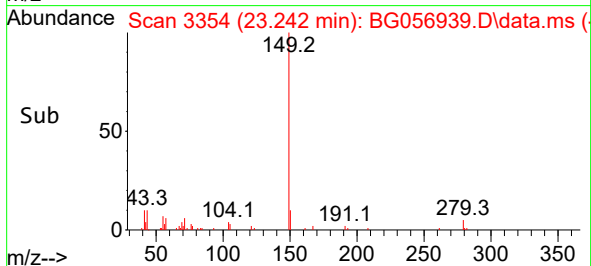
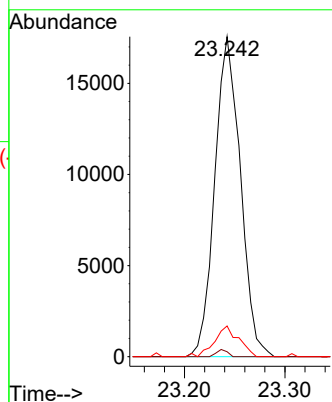
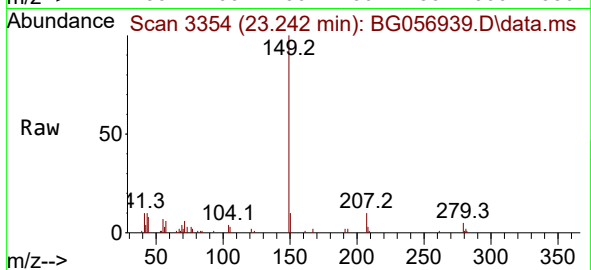
Tgt Ion:149 Resp: 31111

Ion Ratio Lower Upper

149 100

167 1.0 1.3 1.9#

43 9.1 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.633 min Scan# 3761

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

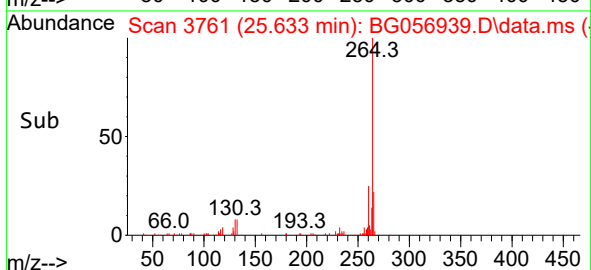
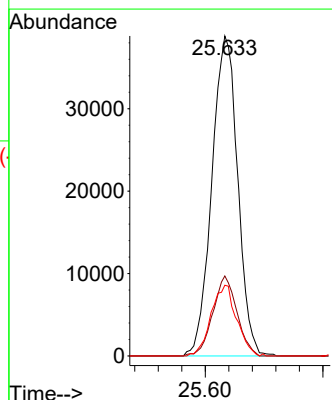
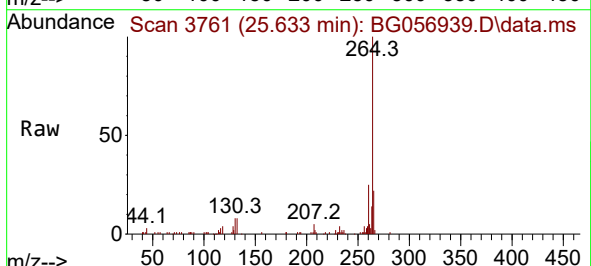
Tgt Ion:264 Resp: 118418

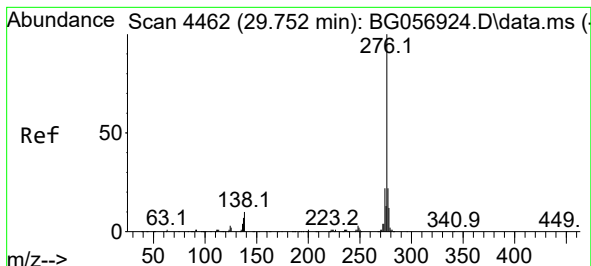
Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.4

265 22.1 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.034 ng

RT: 29.716 min Scan# 44

Delta R.T. -0.036 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

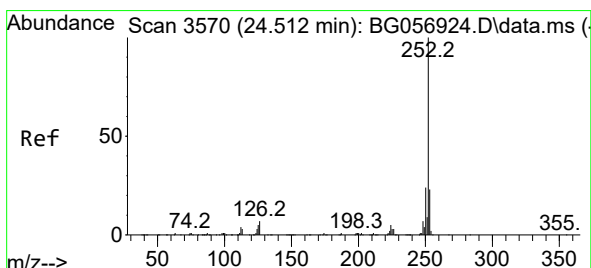
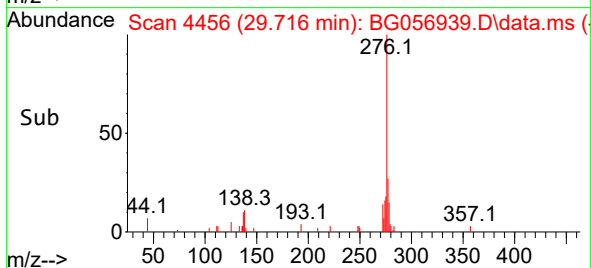
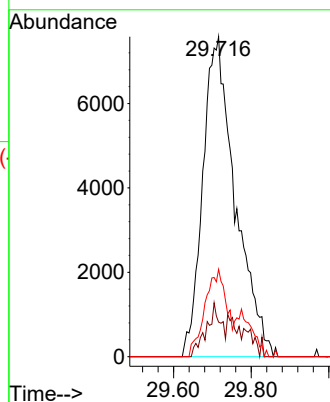
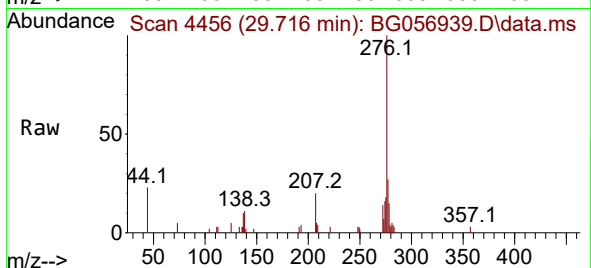
Tgt Ion:276 Resp: 44057

Ion Ratio Lower Upper

276 100

138 7.7 7.7 11.5

277 18.0 21.0 31.4#



#88

Benzo(b)fluoranthene

Concen: 5.296 ng

RT: 24.570 min Scan# 3580

Delta R.T. 0.058 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

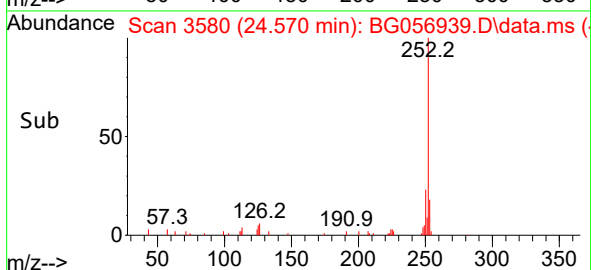
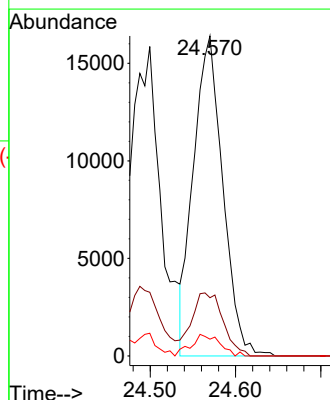
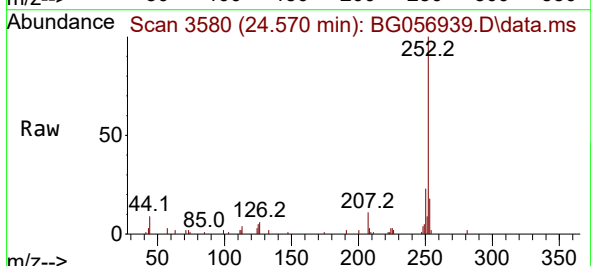
Tgt Ion:252 Resp: 39215

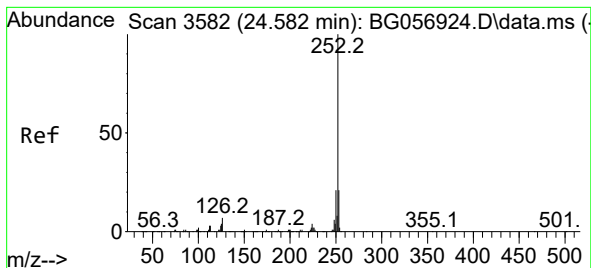
Ion Ratio Lower Upper

252 100

253 18.2 18.1 27.1

125 5.2 4.2 6.4





#89

Benzo(k)fluoranthene

Concen: 5.305 ng

RT: 24.570 min Scan# 3

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

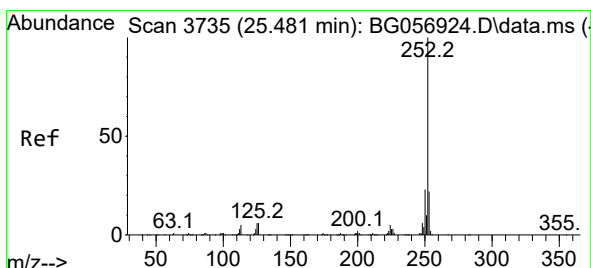
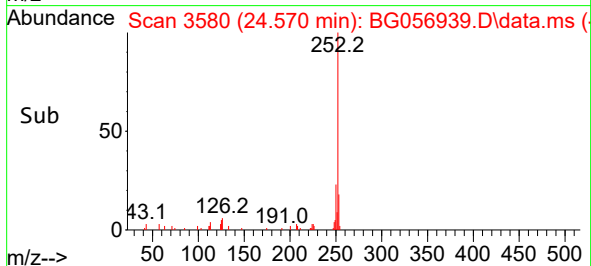
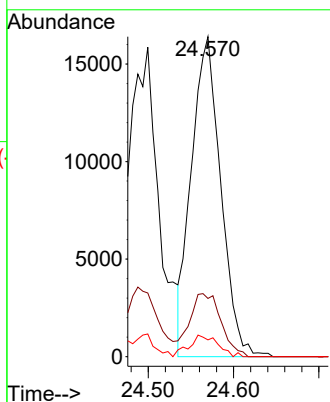
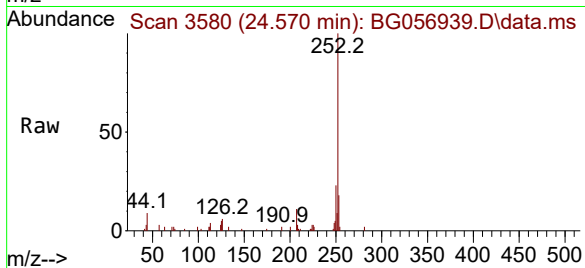
Tgt Ion:252 Resp: 39215

Ion Ratio Lower Upper

252 100

253 18.2 17.1 25.7

125 5.2 3.8 5.6



#90

Benzo(a)pyrene

Concen: 4.650 ng

RT: 25.457 min Scan# 3731

Delta R.T. -0.024 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

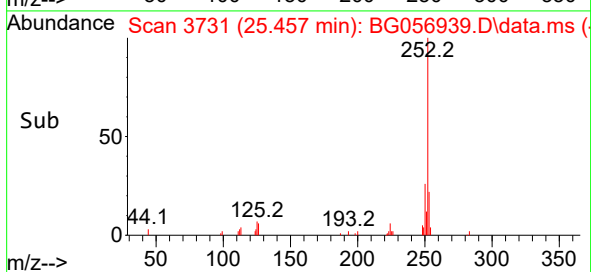
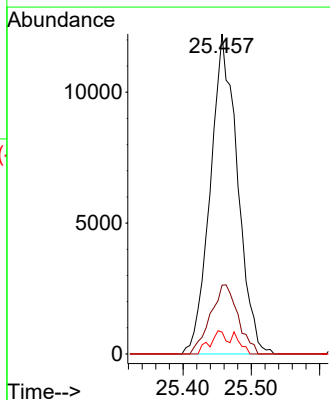
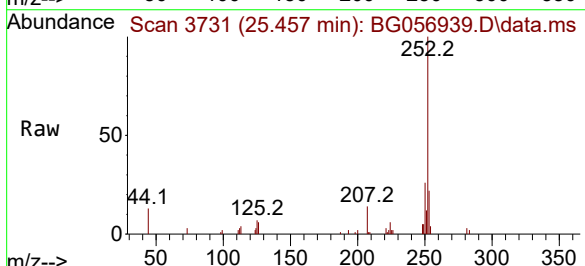
Tgt Ion:252 Resp: 33838

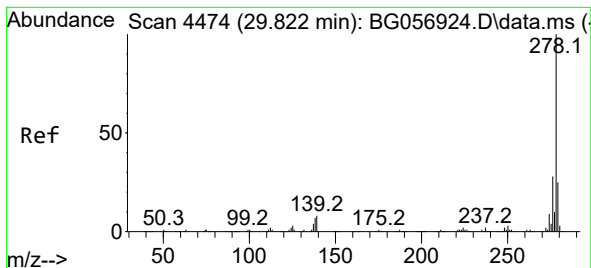
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 6.8 4.5 6.7#





#91

Dibenzo(a,h)anthracene

Concen: 5.308 ng

RT: 29.781 min Scan# 4467

Delta R.T. -0.042 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

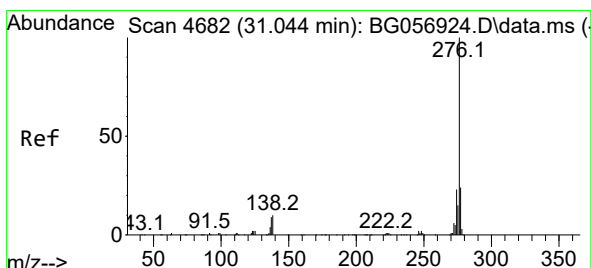
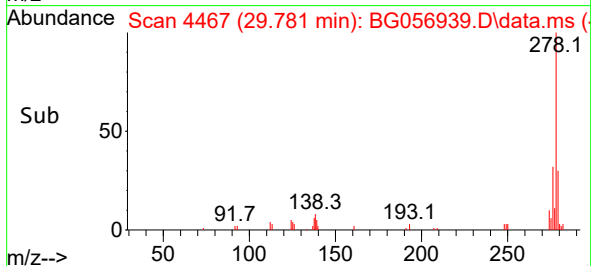
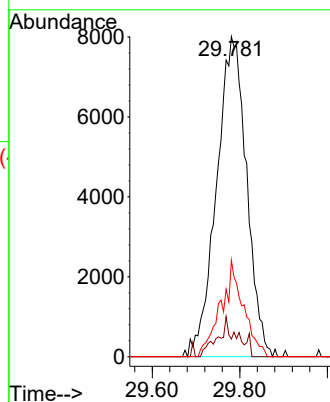
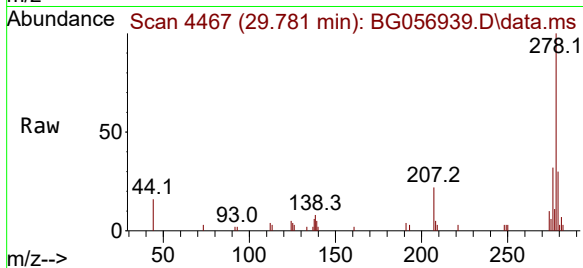
Tgt Ion:278 Resp: 38183

Ion Ratio Lower Upper

278 100

139 5.5 6.4 9.6#

279 30.2 20.2 30.2



#92

Benzo(g,h,i)perylene

Concen: 5.134 ng

RT: 30.985 min Scan# 4672

Delta R.T. -0.059 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Tgt Ion:276 Resp: 36167

Ion Ratio Lower Upper

276 100

277 19.5 19.1 28.7

138 9.0 8.2 12.2

