

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
 Data File : BG056502.D
 Acq On : 1 Feb 2023 16:21
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Feb 02 05:02:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	27846	20.000	ng	# 0.00
21) Naphthalene-d8	11.108	136	101093	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	83127	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	215566	20.000	ng	0.00
76) Chrysene-d12	21.919	240	209188	20.000	ng	0.00
86) Perylene-d12	25.344	264	227414	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.790	112	191769	126.688	ng	0.00
7) Phenol-d6	7.418	99	270843	120.760	ng	0.00
23) Nitrobenzene-d5	9.451	82	175805	98.751	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	146953	132.974	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	603625	100.675	ng	0.00
79) Terphenyl-d14	20.209	244	1148614	96.439	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.593	88	3159	5.012	ng	# 98
3) Pyridine	4.028	79	8011	4.264	ng	# 91
4) n-Nitrosodimethylamine	3.934	42	1477	3.697	ng	# 83
6) Aniline	7.588	93	12626	4.300	ng	96
8) 2-Chlorophenol	7.829	128	7597	4.569	ng	97
9) Benzaldehyde	7.400	77	6511	4.625	ng	95
10) Phenol	7.441	94	9832	4.313	ng	86
11) bis(2-Chloroethyl)ether	7.676	93	7147	4.561	ng	91
12) 1,3-Dichlorobenzene	8.634	146	9142	4.775	ng	97
13) 1,4-Dichlorobenzene	8.311	146	9452	4.875	ng	94
14) 1,2-Dichlorobenzene	8.634	146	9141	4.859	ng	98
15) Benzyl Alcohol	8.517	79	6140	3.990	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.799	45	1653	4.979	ng	80
17) 2-Methylphenol	8.716	107	6945	4.005	ng	# 91
18) Hexachloroethane	9.374	117	3103	5.291	ng	89
19) n-Nitroso-di-n-propyla...	9.069	70	5627	4.354	ng	95
20) 3+4-Methylphenols	9.040	107	9302	3.827	ng	87
22) Acetophenone	9.104	105	13193	4.912	ng	# 100
24) Nitrobenzene	9.492	77	8914	5.191	ng	93
25) Isophorone	10.009	82	16261	4.427	ng	99
26) 2-Nitrophenol	10.215	139	4879	4.683	ng	# 93
27) 2,4-Dimethylphenol	10.250	122	7570	4.341	ng	# 78
28) bis(2-Chloroethoxy)met...	10.491	93	9903	4.881	ng	# 98
29) 2,4-Dichlorophenol	10.755	162	8478	4.320	ng	98
30) 1,2,4-Trichlorobenzene	10.967	180	11098	5.088	ng	99
31) Naphthalene	11.155	128	26397	4.947	ng	95
32) Benzoic acid	10.250	122	7570	7.760	ng	# 11
33) 4-Chloroaniline	11.260	127	11390	4.573	ng	# 94
34) Hexachlorobutadiene	11.431	225	7820	5.108	ng	90
35) Caprolactam	12.001	113	3179	4.803	ng	83
36) 4-Chloro-3-methylphenol	12.365	107	7981	4.211	ng	93
37) 2-Methylnaphthalene	12.964	142	19216	4.368	ng	97
38) 1-Methylnaphthalene	12.741	142	19730	4.803	ng	93
40) 1,2,4,5-Tetrachloroben...	13.105	216	15671	5.160	ng	97
41) Hexachlorocyclopentadiene	13.076	237	3058	8.120	ng	98
43) 2,4,6-Trichlorophenol	13.346	196	8406	4.295	ng	91

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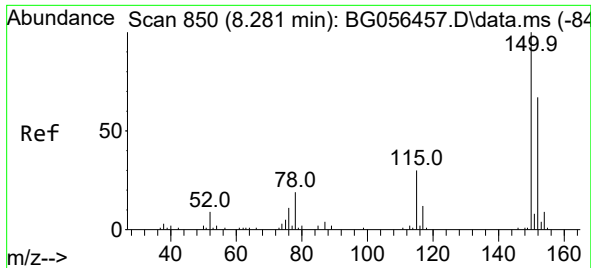
Quant Time: Feb 02 05:02:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.423	196	8709	3.801	ng	# 90
46) 1,1'-Biphenyl	13.734	154	29948	4.967	ng	98
47) 2-Chloronaphthalene	13.781	162	23183	4.919	ng	95
48) 2-Nitroaniline	13.981	65	3882	3.985	ng	93
49) Acenaphthylene	14.621	152	36525	4.764	ng	95
50) Dimethylphthalate	14.327	163	32076	4.770	ng	99
51) 2,6-Dinitrotoluene	14.457	165	6674	4.551	ng	90
52) Acenaphthene	14.956	154	21612	4.753	ng	97
53) 3-Nitroaniline	14.798	138	6191	4.354	ng	# 91
54) 2,4-Dinitrophenol	15.033	184	473	0.514	ng	# 30
55) Dibenzofuran	15.291	168	40421	4.957	ng	97
56) 4-Nitrophenol	15.115	139	3306	3.403	ng	# 66
57) 2,4-Dinitrotoluene	15.250	165	9374	4.538	ng	# 93
58) Fluorene	15.937	166	31436	4.845	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.520	232	7874	3.865	ng	# 97
60) Diethylphthalate	15.679	149	29559	4.681	ng	97
61) 4-Chlorophenyl-phenyle...	15.920	204	19045	4.810	ng	97
62) 4-Nitroaniline	15.949	138	5929	4.167	ng	97
63) Azobenzene	16.214	77	20862	4.801	ng	96
65) 4,6-Dinitro-2-methylph...	16.020	198	4488	2.961	ng	90
66) n-Nitrosodiphenylamine	16.131	169	27712	4.540	ng	99
67) 4-Bromophenyl-phenylether	16.813	248	13057	4.731	ng	87
68) Hexachlorobenzene	16.942	284	13256	4.904	ng	99
69) Atrazine	17.060	200	12394	5.264	ng	90
70) Pentachlorophenol	17.295	266	2387	1.460	ng	96
71) Phenanthrene	17.677	178	55587	4.927	ng	99
72) Anthracene	17.765	178	54677	4.721	ng	97
73) Carbazole	18.035	167	46560	4.720	ng	96
74) Di-n-butylphthalate	18.558	149	45843	4.426	ng	99
75) Fluoranthene	19.668	202	67542	4.743	ng	97
77) Benzidine	19.839	184	38342	6.773	ng	99
78) Pyrene	20.027	202	69243	4.654	ng	100
80) Butylbenzylphthalate	20.884	149	19464	4.284	ng	96
81) Benzo(a)anthracene	21.901	228	70567	4.825	ng	97
82) 3,3'-Dichlorobenzidine	21.801	252	29039	5.514	ng	97
83) Chrysene	21.971	228	65604	4.775	ng	96
84) Bis(2-ethylhexyl)phtha...	21.760	149	29165	4.477	ng	99
85) Di-n-octyl phthalate	23.029	149	48417	4.463	ng	99
87) Indeno(1,2,3-cd)pyrene	29.269	276	76512	4.596	ng	# 65
88) Benzo(b)fluoranthene	24.245	252	70884	5.022	ng	96
89) Benzo(k)fluoranthene	24.316	252	69003	4.842	ng	99
90) Benzo(a)pyrene	25.179	252	62165	4.471	ng	97
91) Dibenzo(a,h)anthracene	29.322	278	67408	4.824	ng	99
92) Benzo(g,h,i)perylene	30.503	276	65875	4.886	ng	98

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

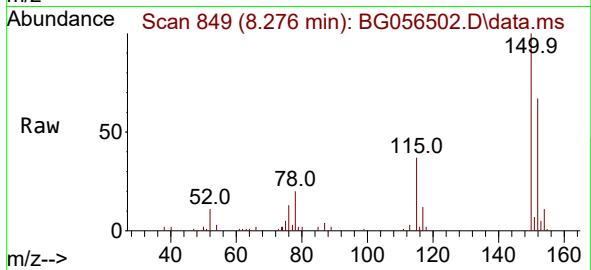
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

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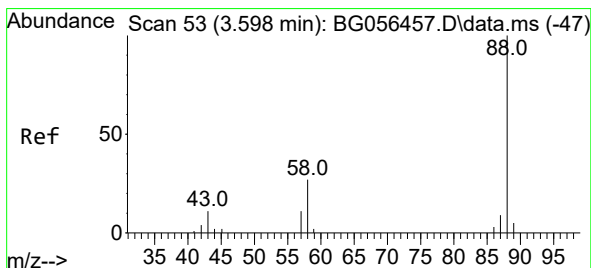
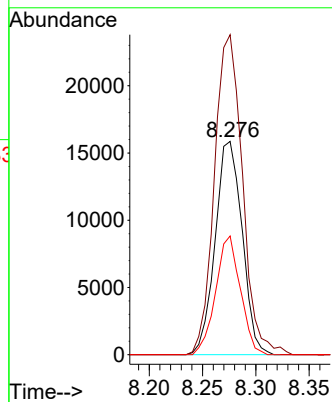
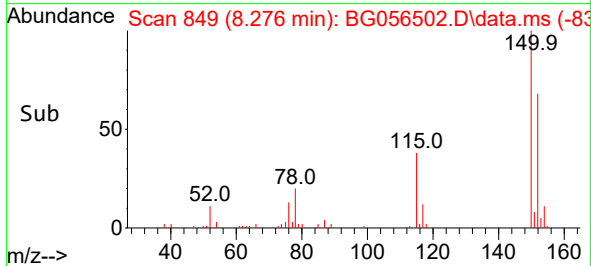


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

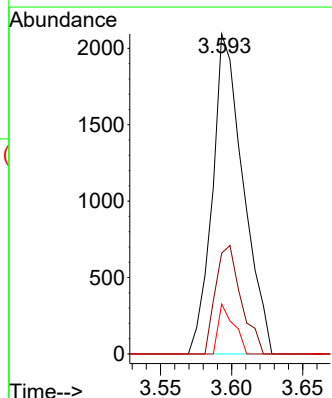
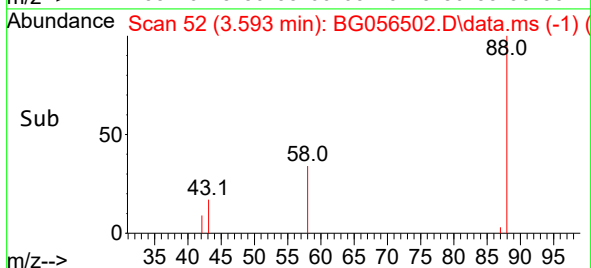
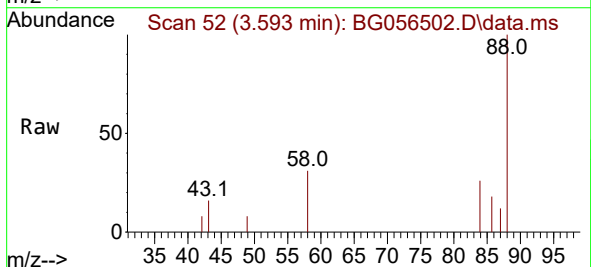


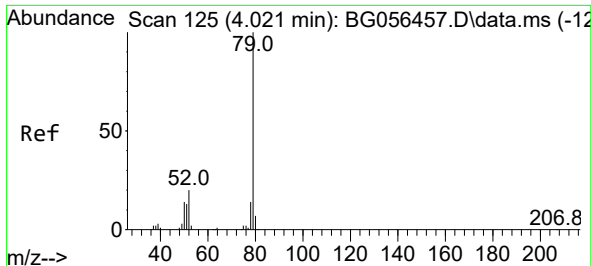
Tgt Ion:152 Resp: 27846
Ion Ratio Lower Upper
152 100
150 150.1 120.2 180.4
115 55.7 36.3 54.5#



#2
1,4-Dioxane
Concen: 5.012 ng
RT: 3.593 min Scan# 52
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion: 88 Resp: 3159
Ion Ratio Lower Upper
88 100
58 28.0 23.0 34.4
43 7.9 8.0 12.0#

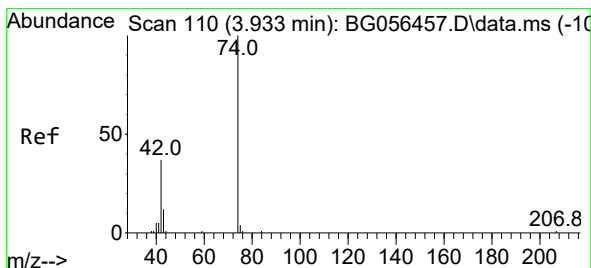
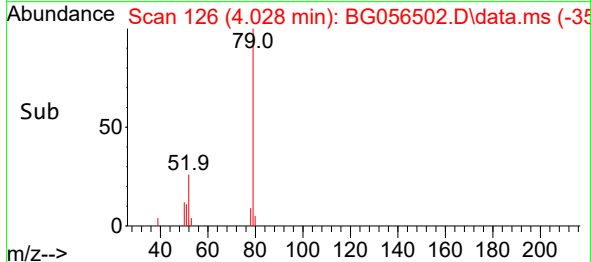
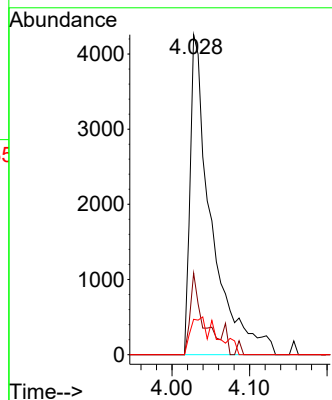
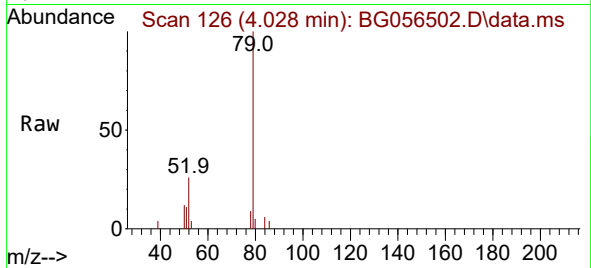




#3
Pyridine
Concen: 4.264 ng
RT: 4.028 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

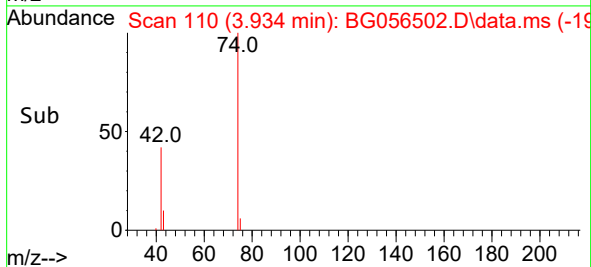
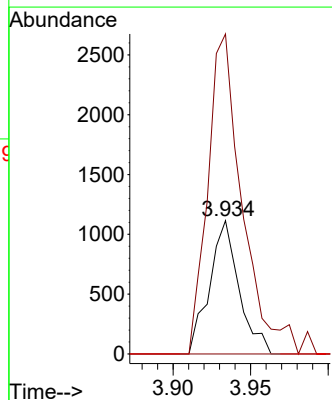
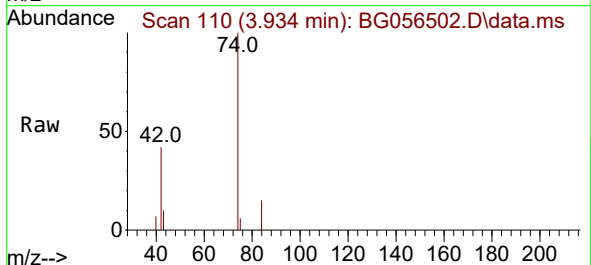
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ClientSampleId :
MDL-SOIL-03-QT3-2022

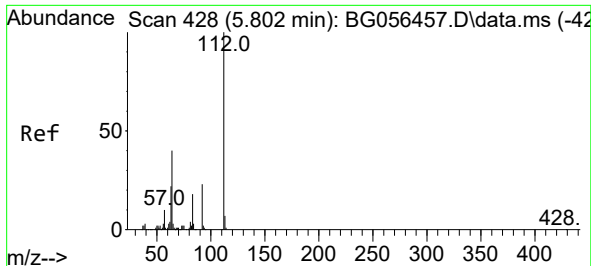
Tgt Ion: 79 Resp: 8011
Ion Ratio Lower Upper
79 100
52 25.5 16.1 24.1#
51 11.1 10.7 16.1



#4
n-Nitrosodimethylamine
Concen: 3.697 ng
RT: 3.934 min Scan# 110
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion: 42 Resp: 1477
Ion Ratio Lower Upper
42 100
74 240.1 217.9 326.9
44 0.0 3.0 4.6#

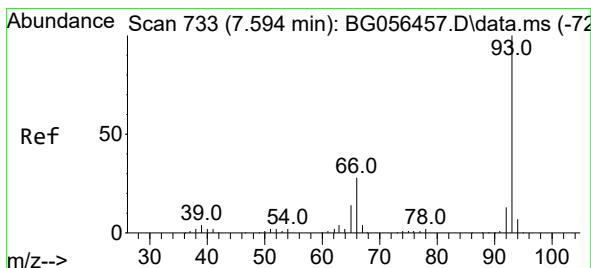
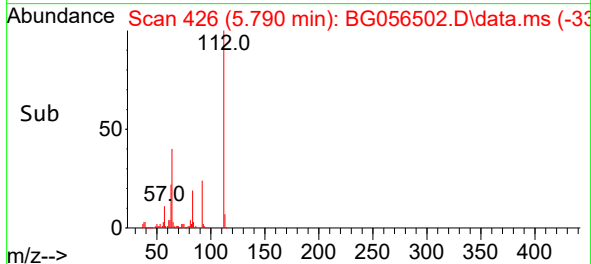
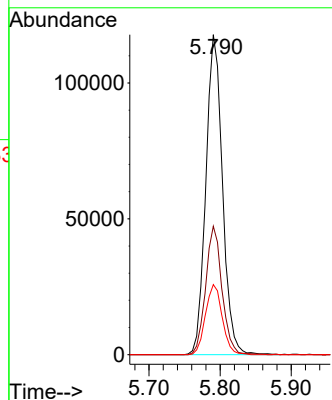
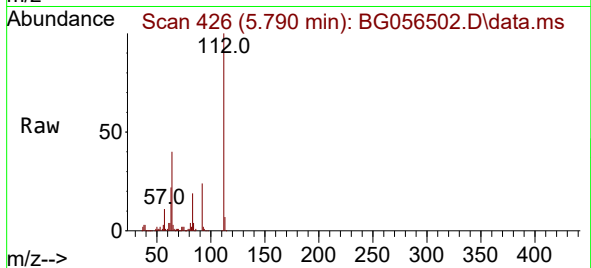




#5
2-Fluorophenol
Concen: 126.688 ng
RT: 5.790 min Scan# 41
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

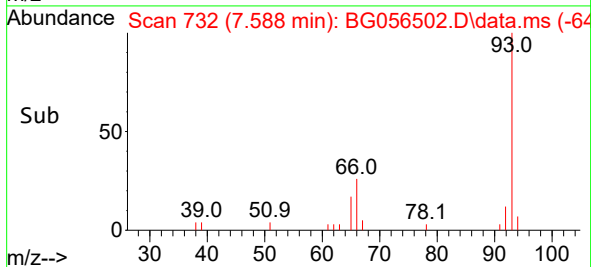
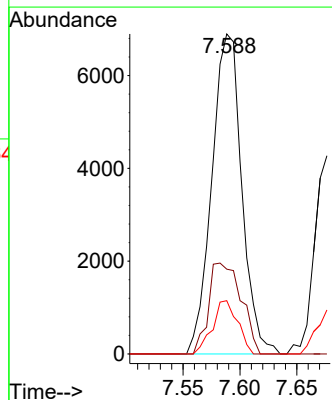
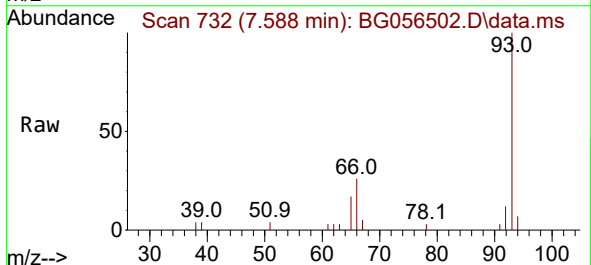
Instrument :
BNA_G
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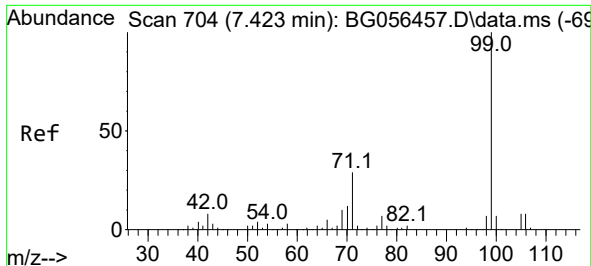
Tgt Ion:112 Resp: 191769
Ion Ratio Lower Upper
112 100
64 40.1 31.9 47.9
63 21.9 17.4 26.0



#6
Aniline
Concen: 4.300 ng
RT: 7.588 min Scan# 732
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion: 93 Resp: 12626
Ion Ratio Lower Upper
93 100
66 26.5 22.2 33.2
65 16.6 11.3 16.9

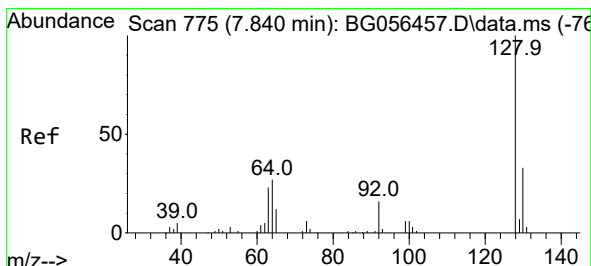
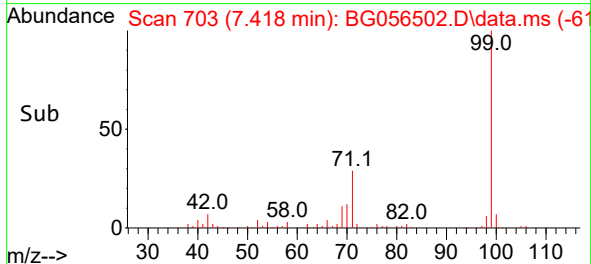
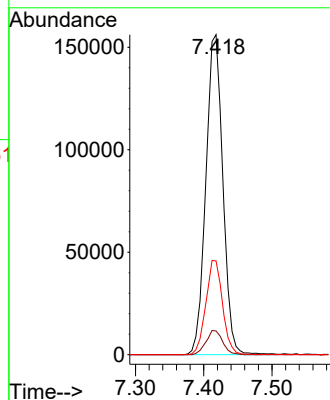
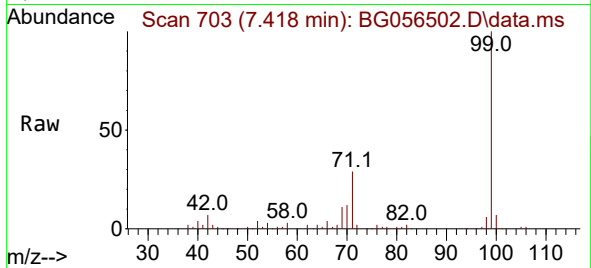




#7
Phenol-d6
Concen: 120.760 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

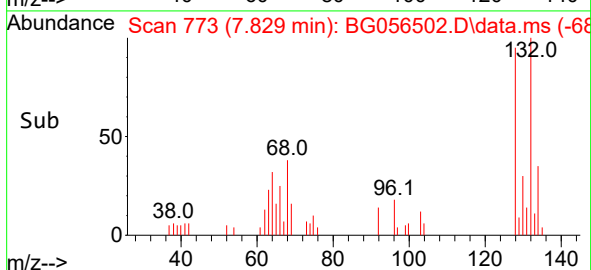
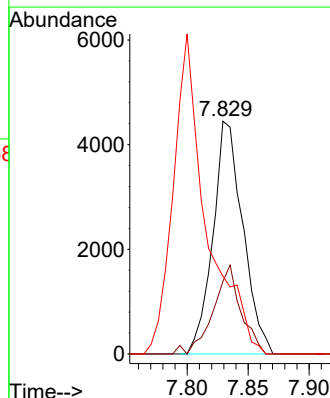
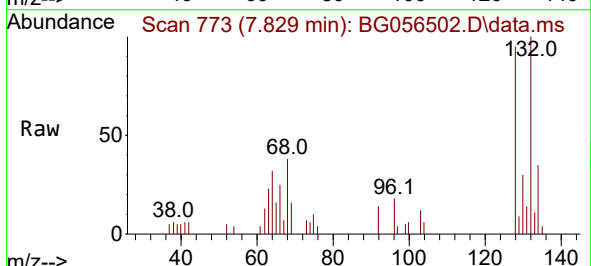
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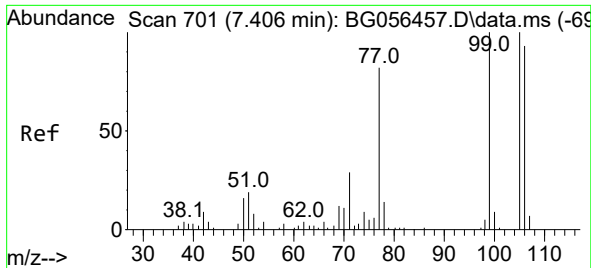
Tgt Ion: 99 Resp: 270843
Ion Ratio Lower Upper
99 100
42 7.4 6.6 10.0
71 29.3 23.4 35.0



#8
2-Chlorophenol
Concen: 4.569 ng
RT: 7.829 min Scan# 773
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:128 Resp: 7597
Ion Ratio Lower Upper
128 100
130 31.2 12.8 52.8
64 33.4 11.3 51.3





#9

Benzaldehyde

Concen: 4.625 ng

RT: 7.400 min Scan# 701

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

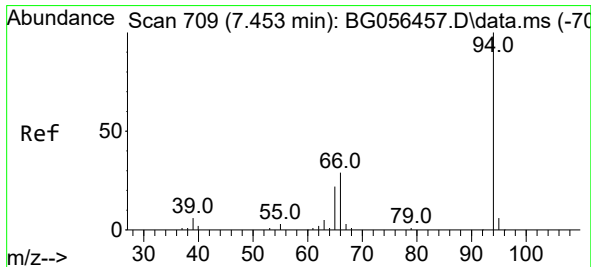
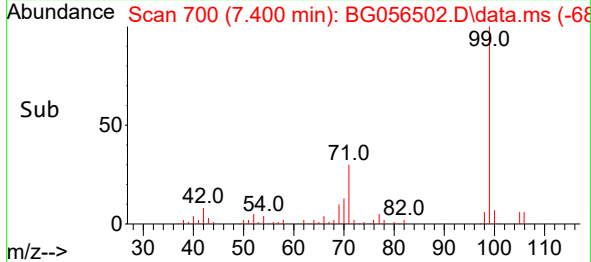
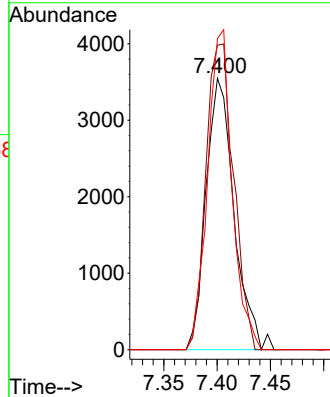
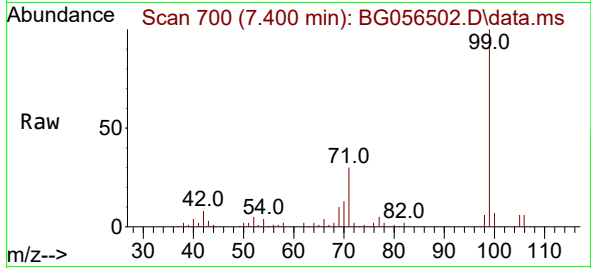
Tgt Ion: 77 Resp: 6511

Ion Ratio Lower Upper

77 100

105 112.2 101.8 141.8

106 114.7 93.0 133.0



#10

Phenol

Concen: 4.313 ng

RT: 7.441 min Scan# 707

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

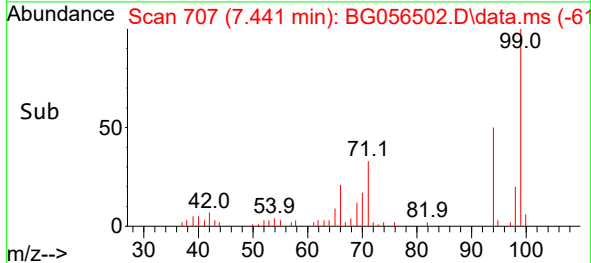
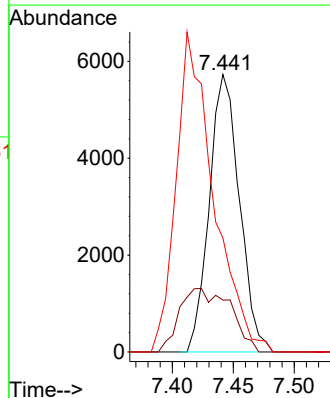
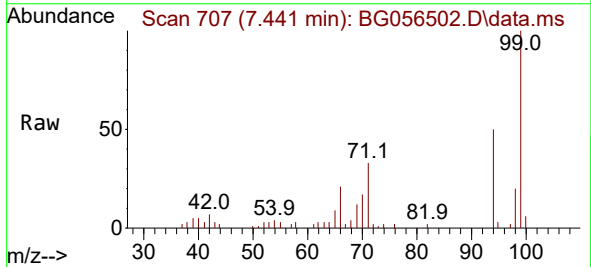
Tgt Ion: 94 Resp: 9832

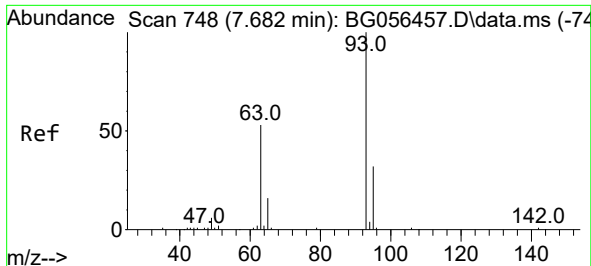
Ion Ratio Lower Upper

94 100

65 18.7 2.3 42.3

66 41.1 11.2 51.2

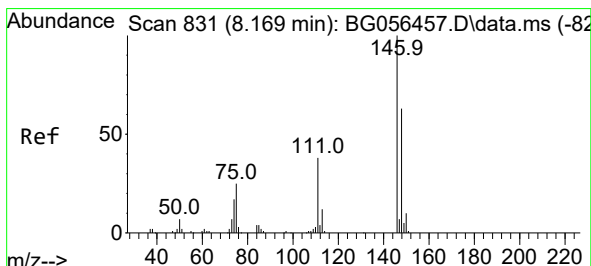
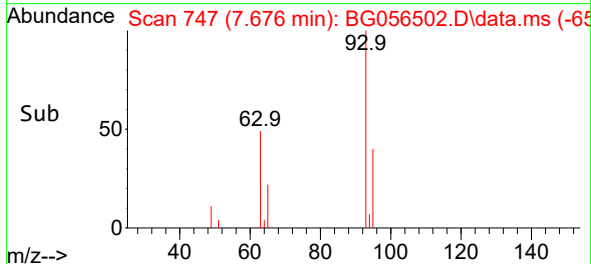
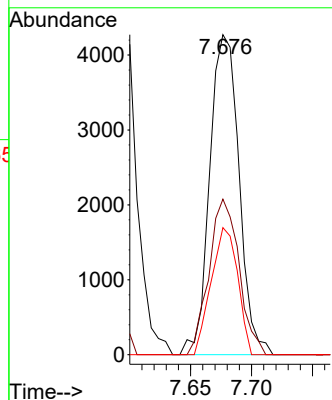
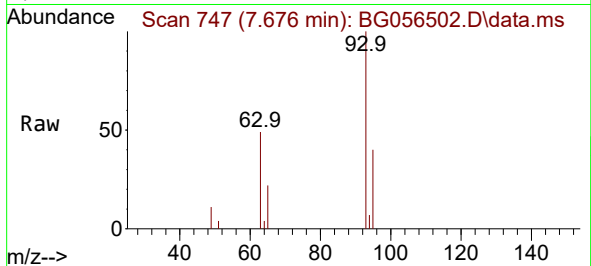




#11
bis(2-Chloroethyl)ether
Concen: 4.561 ng
RT: 7.676 min Scan# 748
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

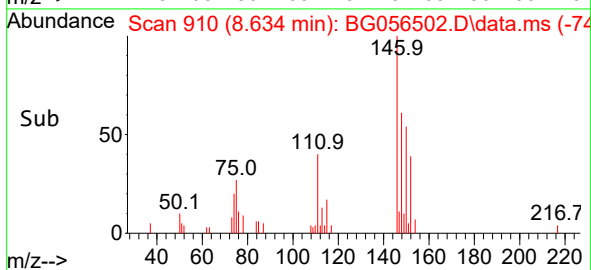
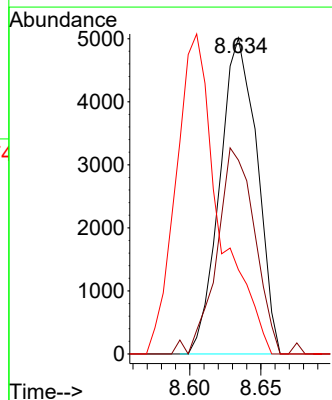
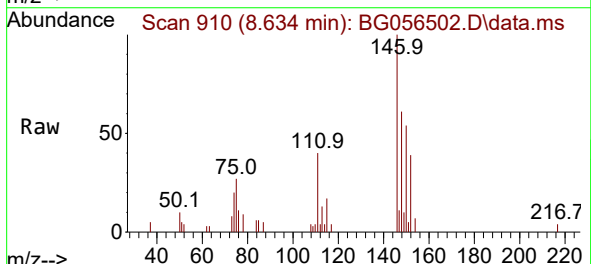
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

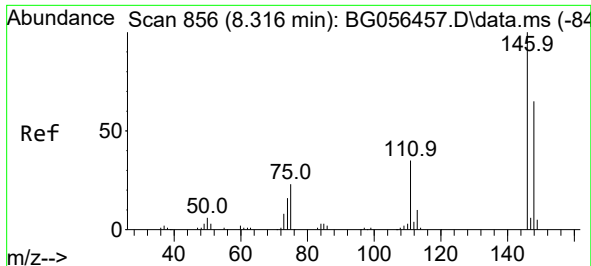
Tgt Ion: 93 Resp: 7147
Ion Ratio Lower Upper
93 100
63 48.6 32.4 72.4
95 39.7 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 4.775 ng
RT: 8.634 min Scan# 910
Delta R.T. 0.470 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion: 146 Resp: 9142
Ion Ratio Lower Upper
146 100
148 61.3 50.6 75.8
75 26.7 19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 4.875 ng

RT: 8.311 min Scan# 8

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

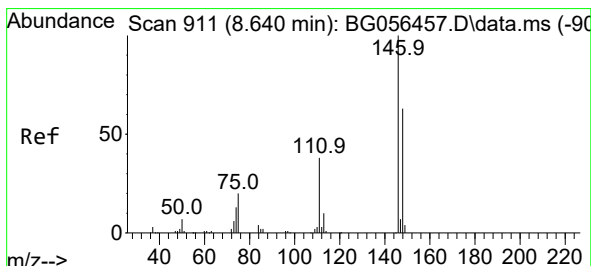
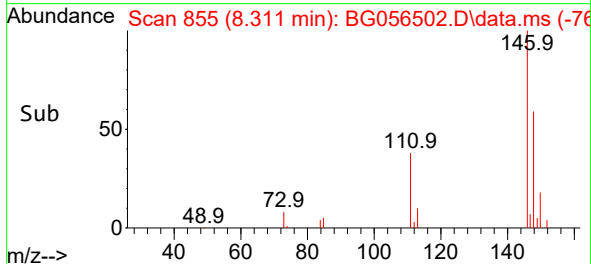
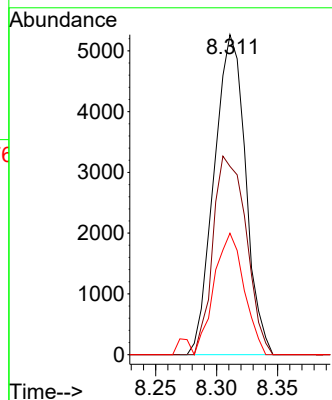
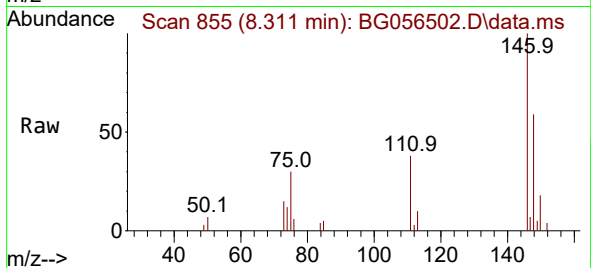
Tgt Ion:146 Resp: 9452

Ion Ratio Lower Upper

146 100

148 58.9 51.8 77.6

111 38.0 28.6 42.8



#14

1,2-Dichlorobenzene

Concen: 4.859 ng

RT: 8.634 min Scan# 910

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

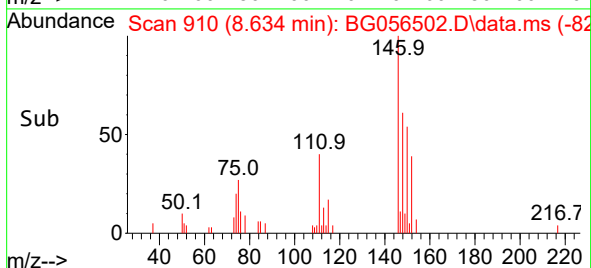
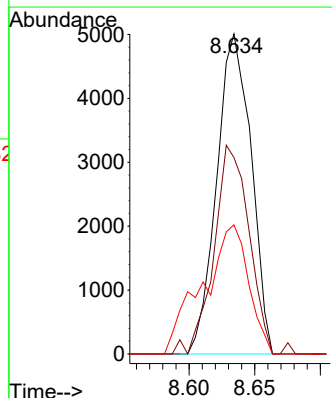
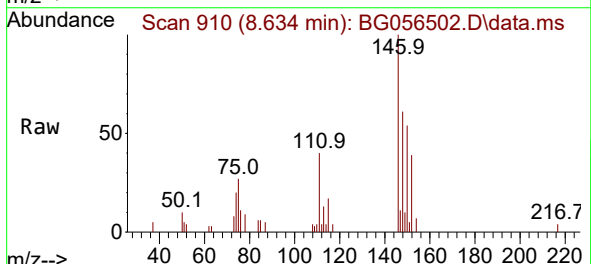
Tgt Ion:146 Resp: 9141

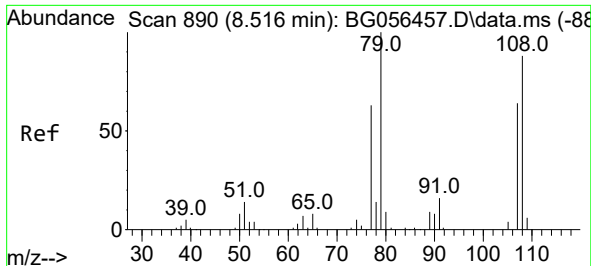
Ion Ratio Lower Upper

146 100

148 61.3 50.1 75.1

111 40.4 30.9 46.3

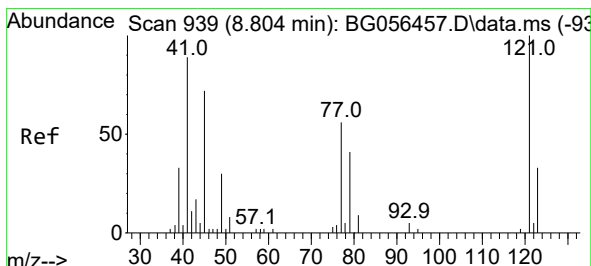
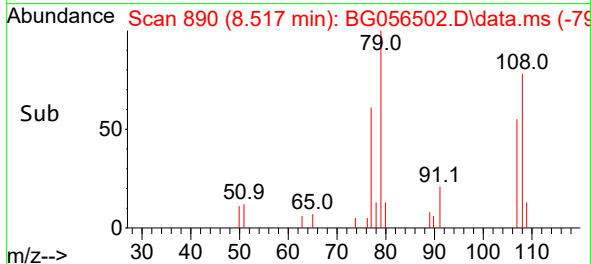
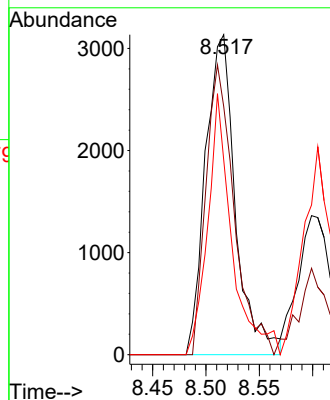
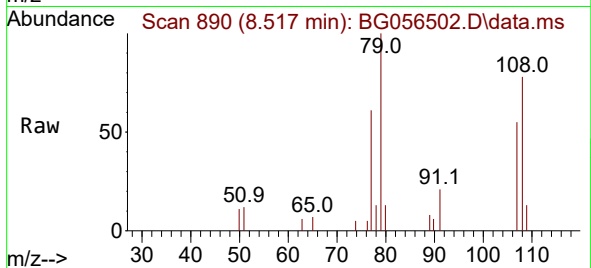




#15
Benzyl Alcohol
Concen: 3.990 ng
RT: 8.517 min Scan# 890
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

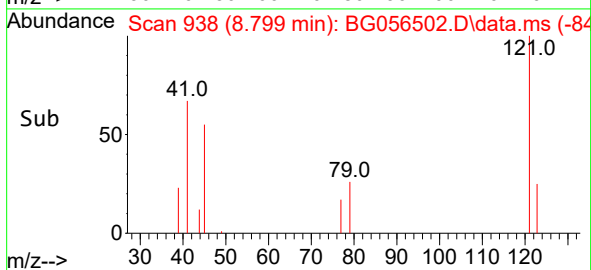
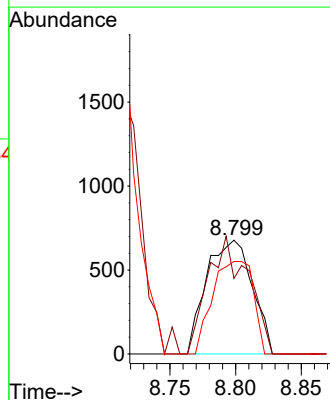
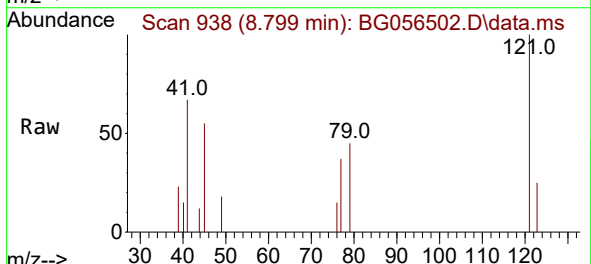
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

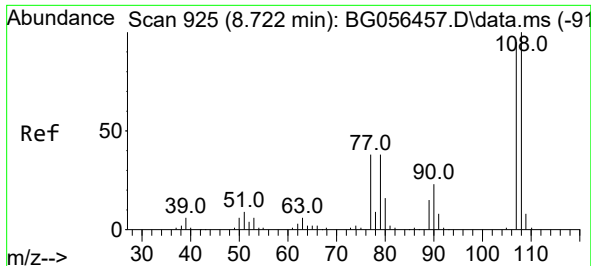
Tgt Ion: 79 Resp: 6140
Ion Ratio Lower Upper
79 100
108 77.6 70.1 105.1
77 60.9 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.979 ng
RT: 8.799 min Scan# 938
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion: 45 Resp: 1653
Ion Ratio Lower Upper
45 100
77 66.4 62.1 102.1
79 81.3 42.7 82.7

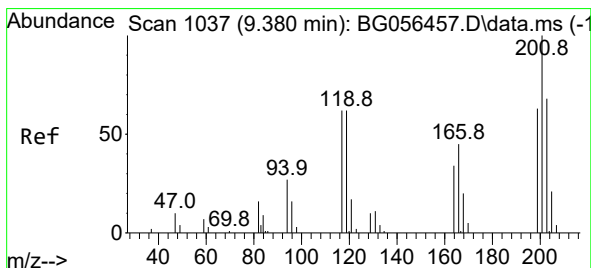
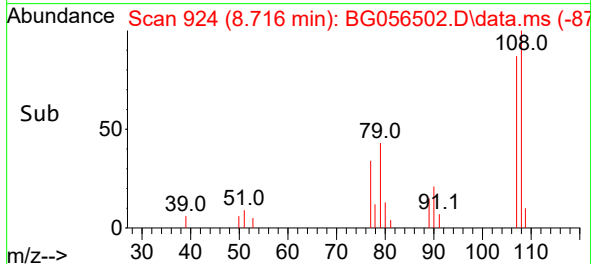
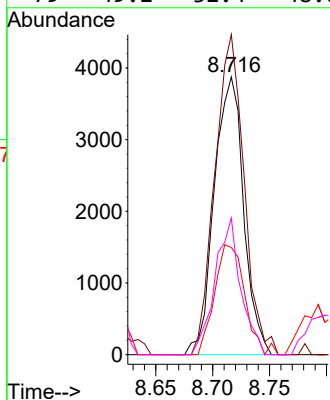
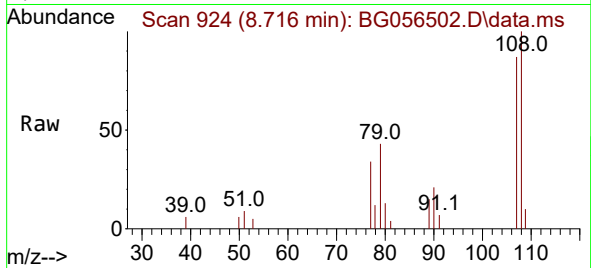




#17
2-Methylphenol
Concen: 4.005 ng
RT: 8.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

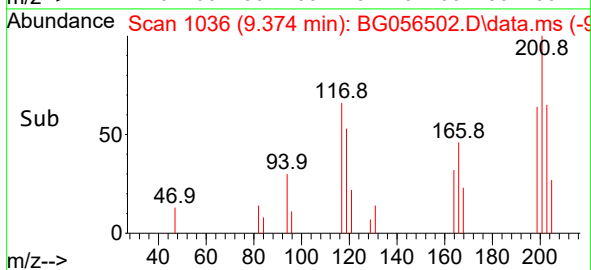
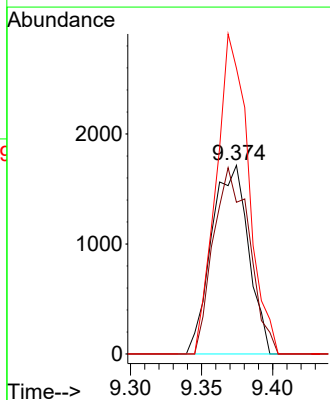
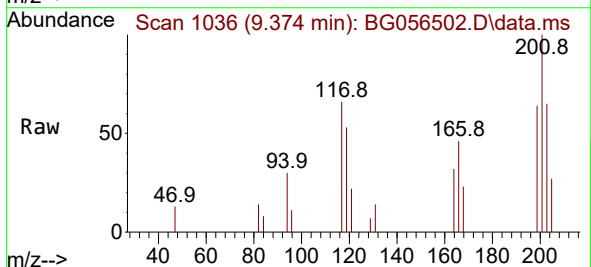
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

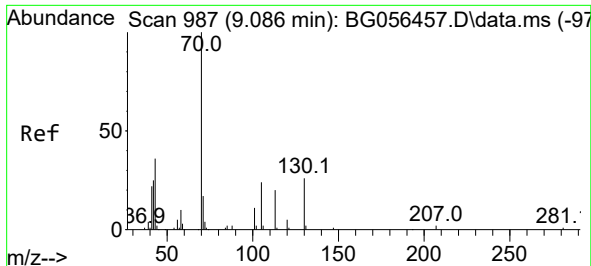
Tgt Ion:107 Resp: 6945
Ion Ratio Lower Upper
107 100
108 115.2 83.9 125.9
77 38.6 31.6 47.4
79 49.2 32.4 48.6#



#18
Hexachloroethane
Concen: 5.291 ng
RT: 9.374 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:117 Resp: 3103
Ion Ratio Lower Upper
117 100
119 80.4 79.4 119.0
201 151.5 128.5 192.7

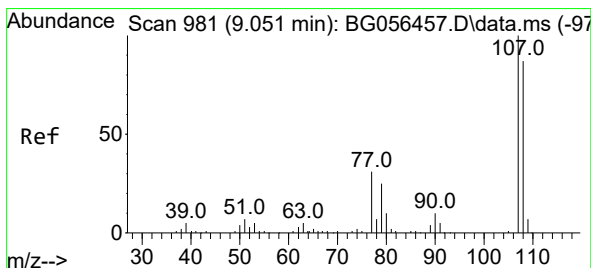
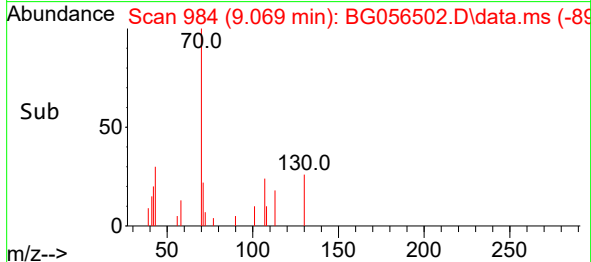
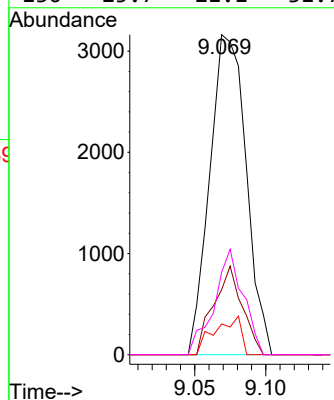
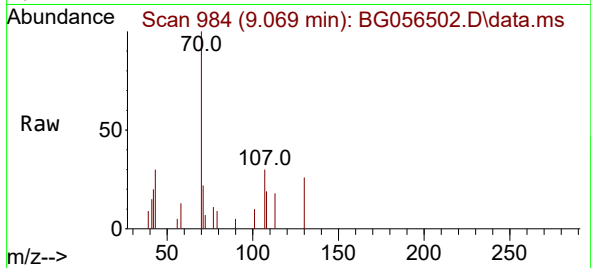




#19
n-Nitroso-di-n-propylamine
Concen: 4.354 ng
RT: 9.069 min Scan# 910
Delta R.T. -0.011 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

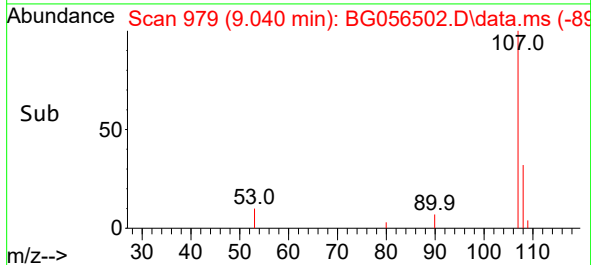
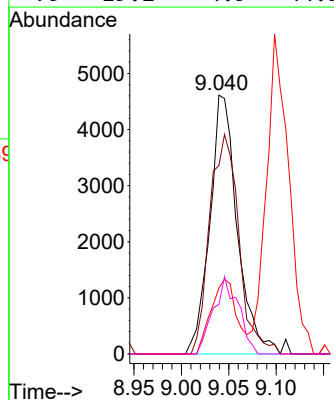
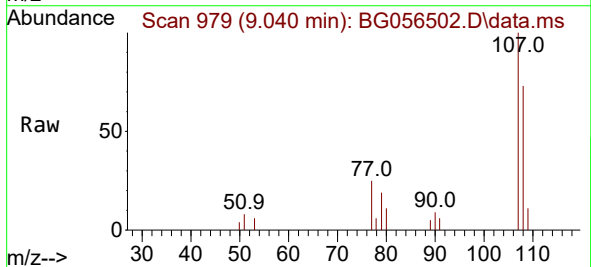
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

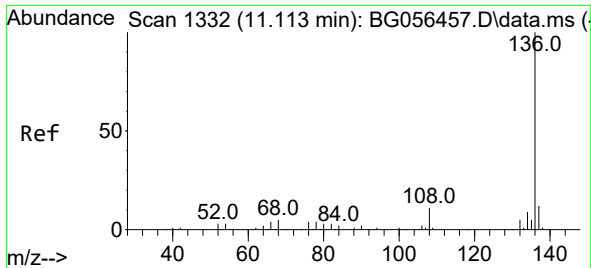
Tgt Ion: 70	Resp: 5627
Ion Ratio	Lower Upper
70 100	
42 20.3	20.2 30.4
101 9.6	9.1 13.7
130 25.7	21.1 31.7



#20
3+4-Methylphenols
Concen: 3.827 ng
RT: 9.040 min Scan# 979
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt	Ion:107	Resp:	9302
Ion	Ratio	Lower	Upper
107	100		
108	72.8	66.7	106.7
77	25.5	10.6	50.6
79	19.2	4.9	44.9

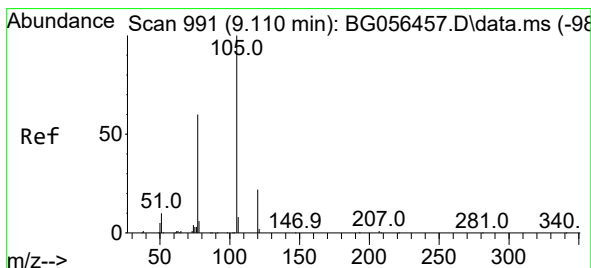
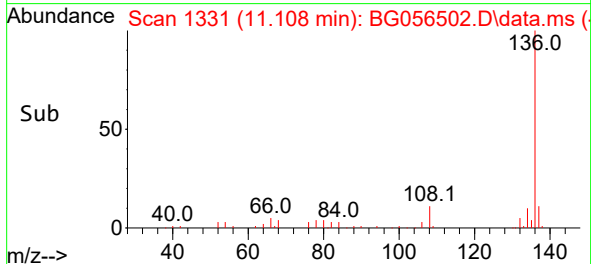
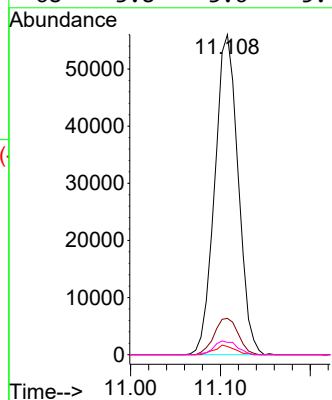
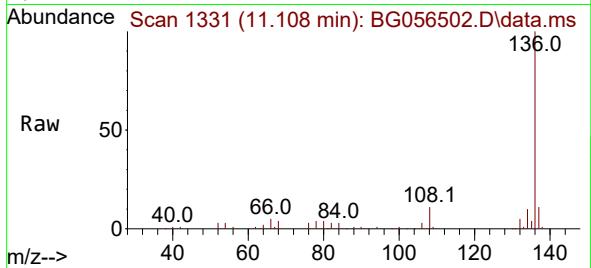




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

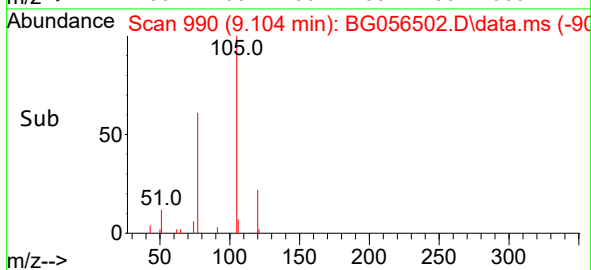
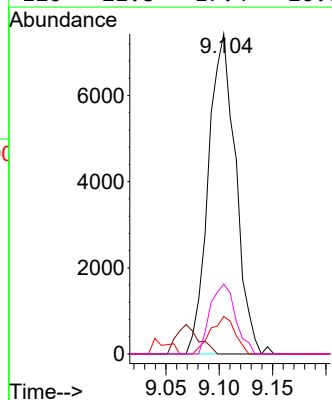
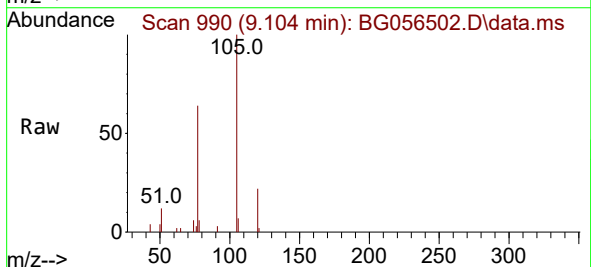
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

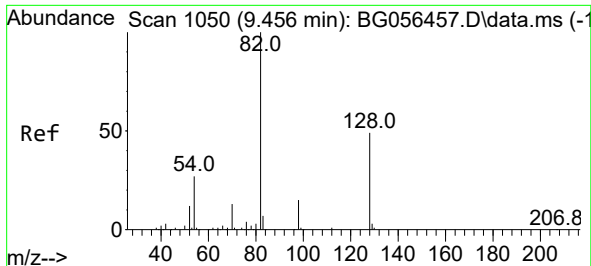
Tgt Ion:	136	Resp:	101093
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.4	14.0
54	2.6	2.2	3.4
68	3.8	3.6	5.4



#22
Acetophenone
Concen: 4.912 ng
RT: 9.104 min Scan# 990
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:	105	Resp:	13193
Ion Ratio	Lower	Upper	
105	100		
71	0.0	0.6	0.8#
51	11.7	9.2	13.8
120	21.8	17.4	26.0

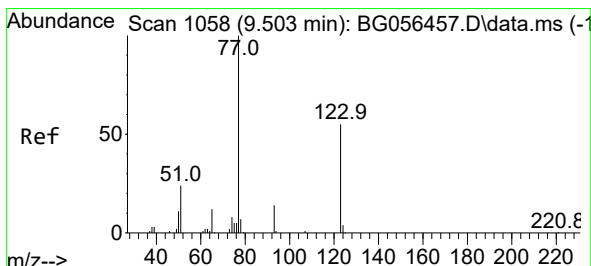
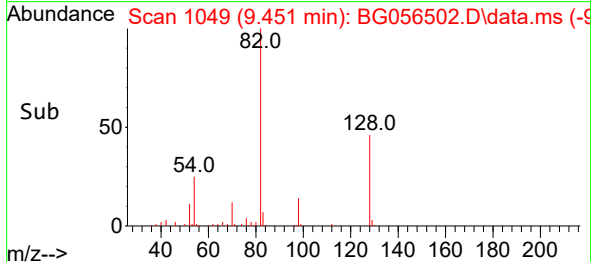
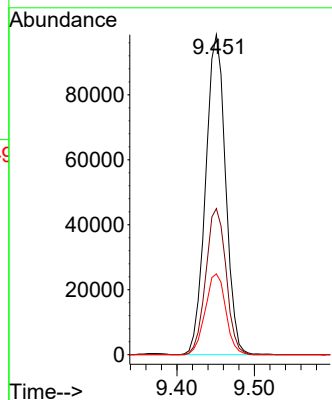
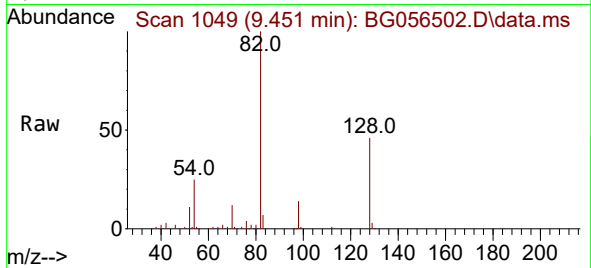




#23
Nitrobenzene-d5
Concen: 98.751 ng
RT: 9.451 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

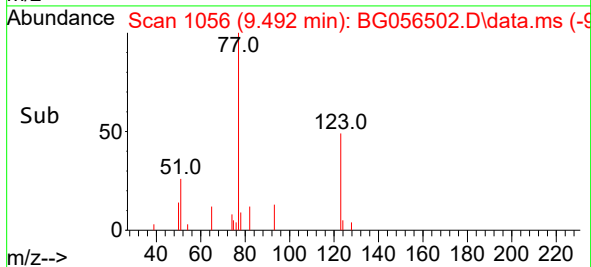
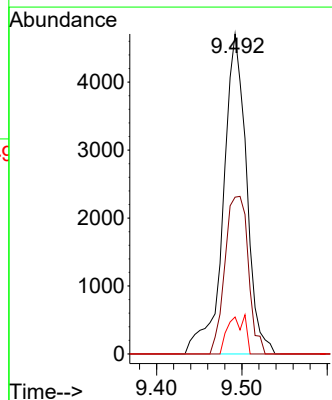
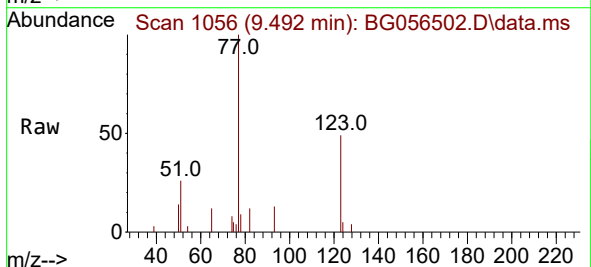
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

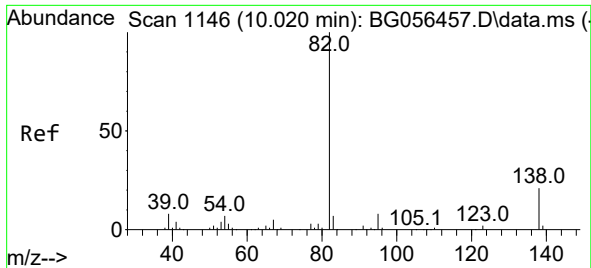
Tgt Ion: 82 Resp: 175805
Ion Ratio Lower Upper
82 100
128 45.7 39.4 59.2
54 25.2 21.4 32.2



#24
Nitrobenzene
Concen: 5.191 ng
RT: 9.492 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion: 77 Resp: 8914
Ion Ratio Lower Upper
77 100
123 49.0 44.0 66.0
65 11.6 9.7 14.5

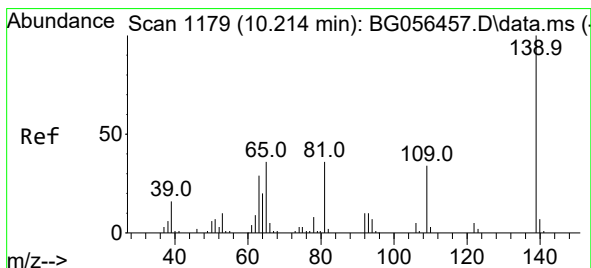
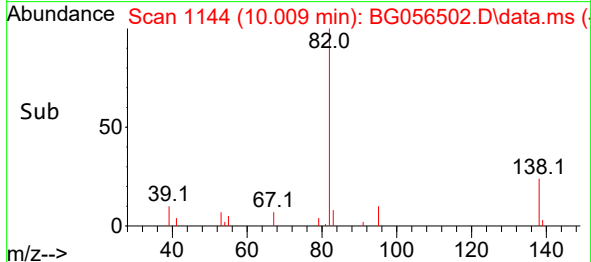
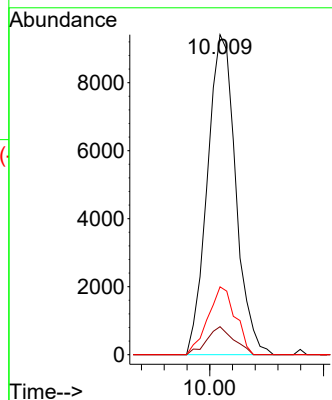
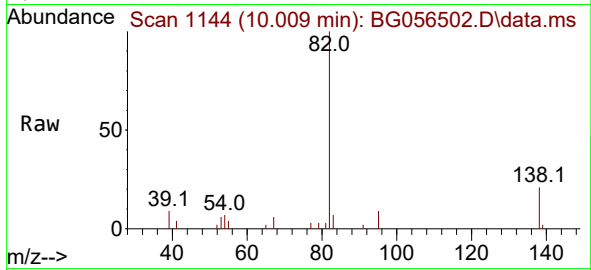




#25
Isophorone
Concen: 4.427 ng
RT: 10.009 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

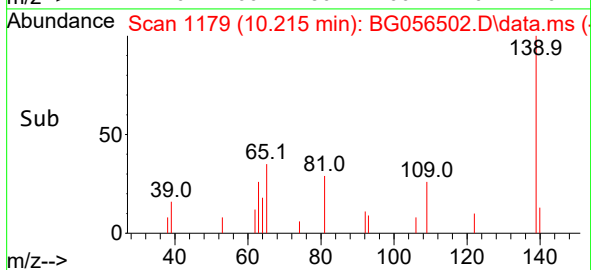
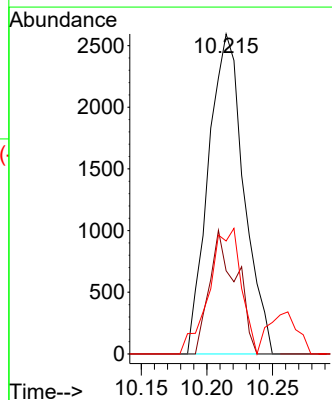
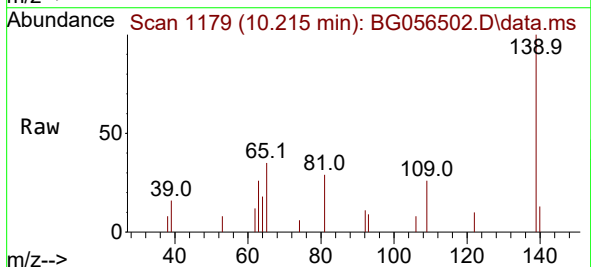
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

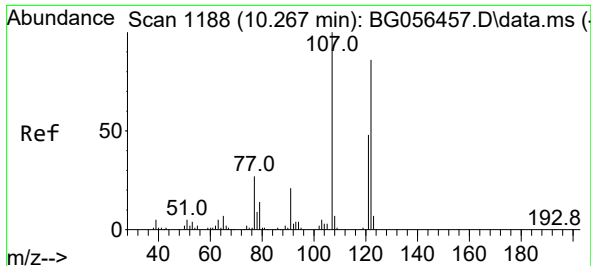
Tgt Ion: 82 Resp: 16261
Ion Ratio Lower Upper
82 100
95 8.7 6.3 9.5
138 21.2 16.6 25.0



#26
2-Nitrophenol
Concen: 4.683 ng
RT: 10.215 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:139 Resp: 4879
Ion Ratio Lower Upper
139 100
109 26.0 26.9 40.3#
65 35.3 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 4.341 ng

RT: 10.250 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

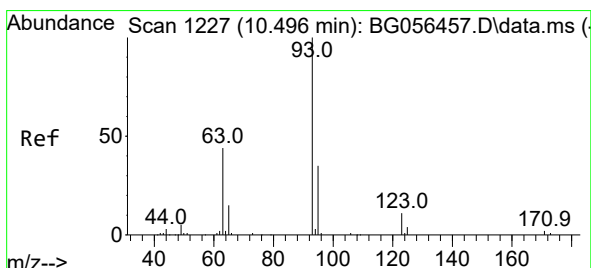
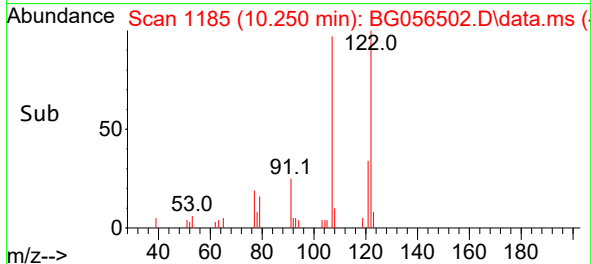
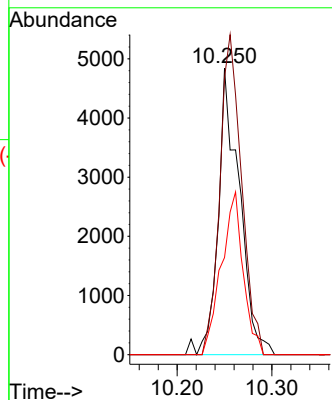
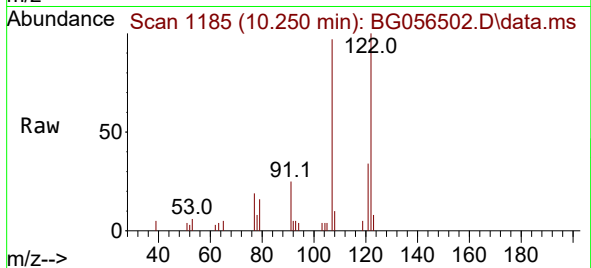
Tgt Ion:122 Resp: 7570

Ion Ratio Lower Upper

122 100

107 96.8 92.9 139.3

121 33.9 45.0 67.4#



#28

bis(2-Chloroethoxy)methane

Concen: 4.881 ng

RT: 10.491 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

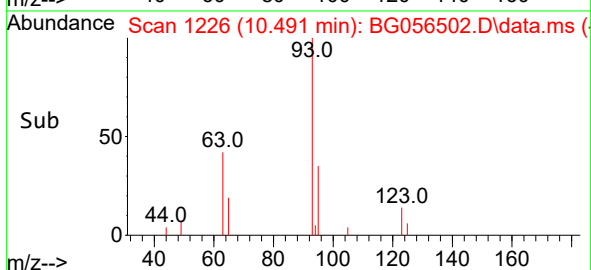
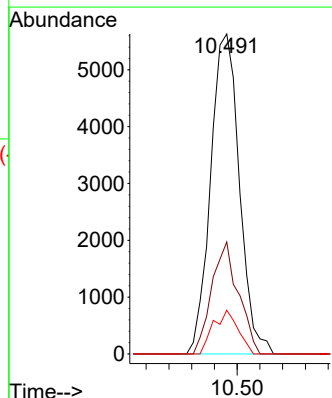
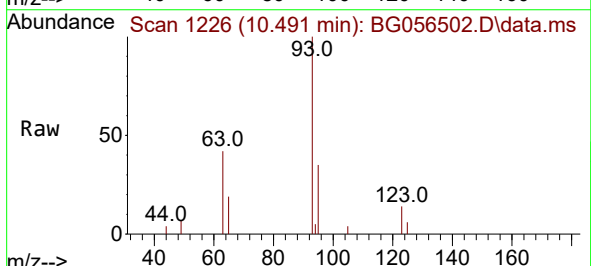
Tgt Ion: 93 Resp: 9903

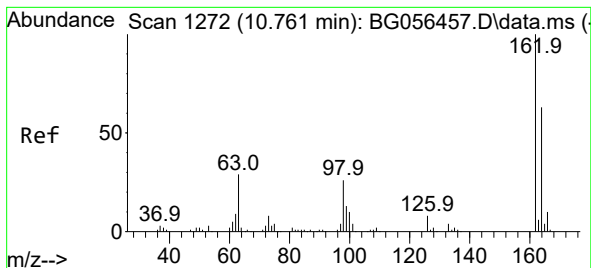
Ion Ratio Lower Upper

93 100

95 35.0 27.9 41.9

123 13.7 8.6 12.8#





#29

2,4-Dichlorophenol

Concen: 4.320 ng

RT: 10.755 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

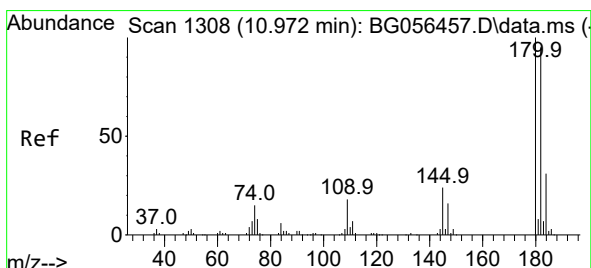
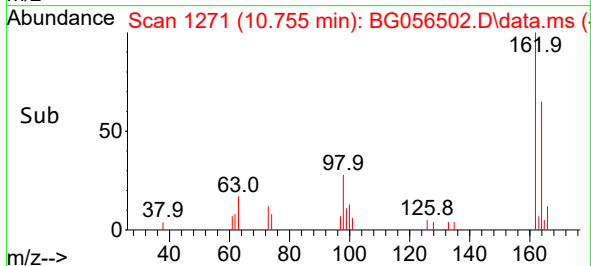
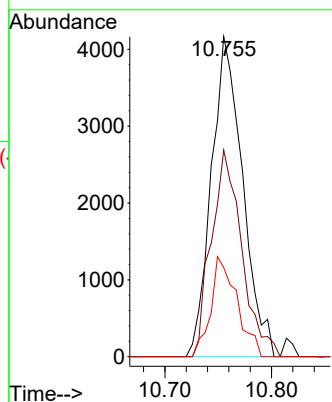
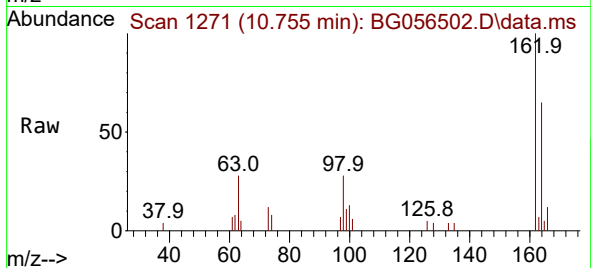
Tgt Ion:162 Resp: 8478

Ion Ratio Lower Upper

162 100

164 64.5 42.8 82.8

98 27.9 6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 5.088 ng

RT: 10.967 min Scan# 1307

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

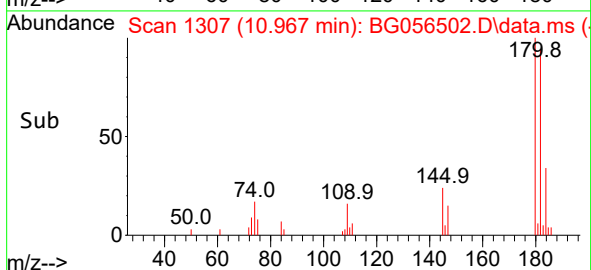
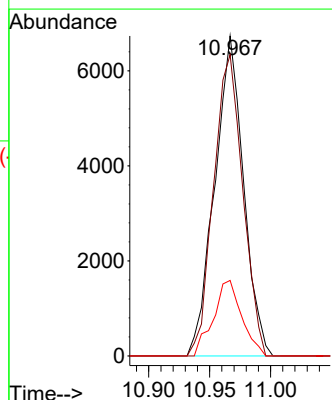
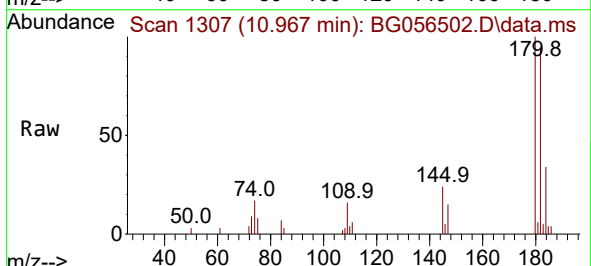
Tgt Ion:180 Resp: 11098

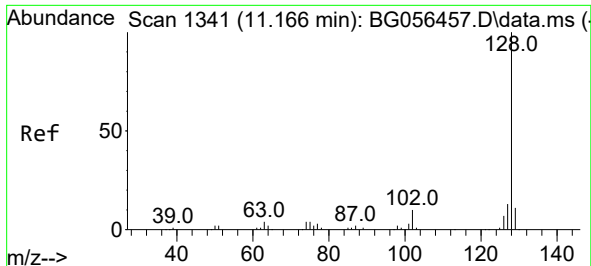
Ion Ratio Lower Upper

180 100

182 94.2 75.9 113.9

145 23.6 19.4 29.0

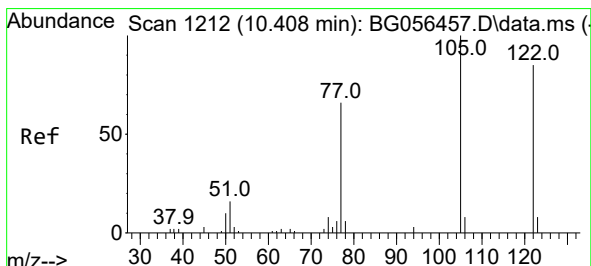
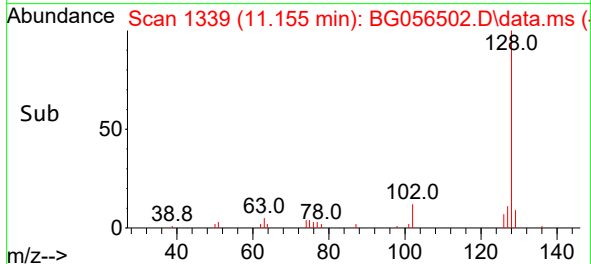
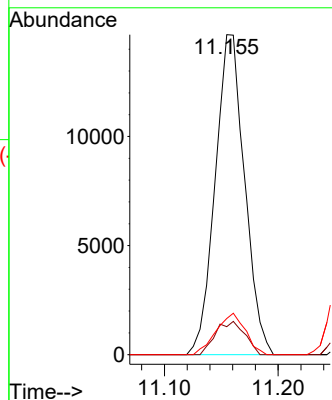
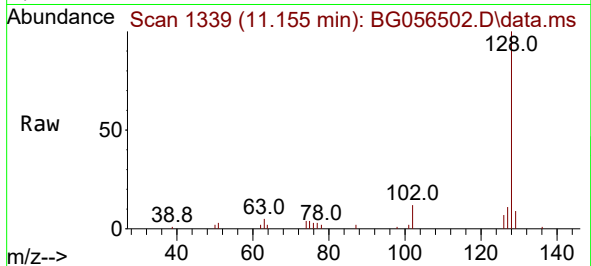




#31
Naphthalene
Concen: 4.947 ng
RT: 11.155 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

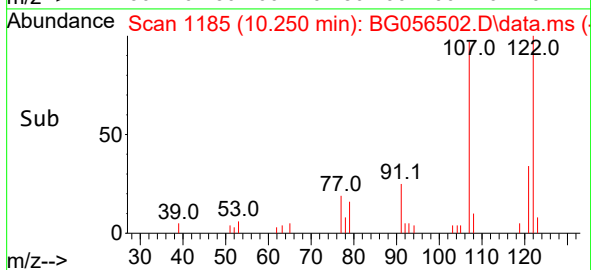
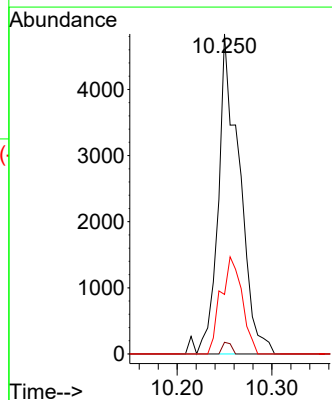
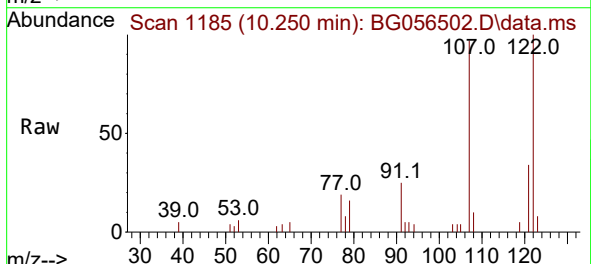
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

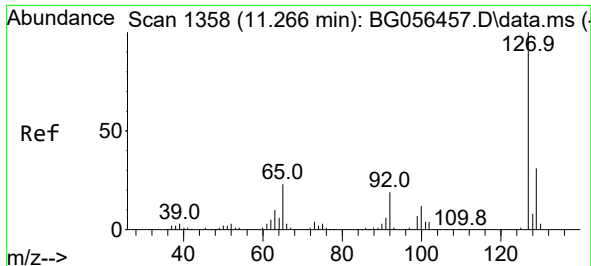
Tgt Ion:128 Resp: 26397
Ion Ratio Lower Upper
128 100
129 8.8 8.7 13.1
127 11.3 10.4 15.6



#32
Benzoic acid
Concen: 7.760 ng
RT: 10.250 min Scan# 1185
Delta R.T. -0.152 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:122 Resp: 7570
Ion Ratio Lower Upper
122 100
105 3.6 96.5 136.5#
77 18.6 57.3 97.3#

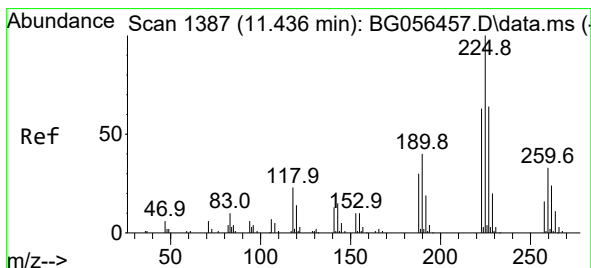
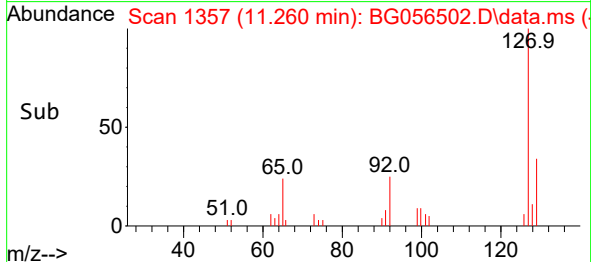
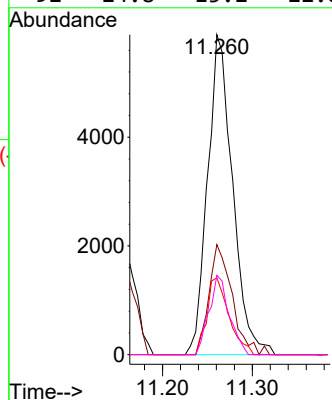
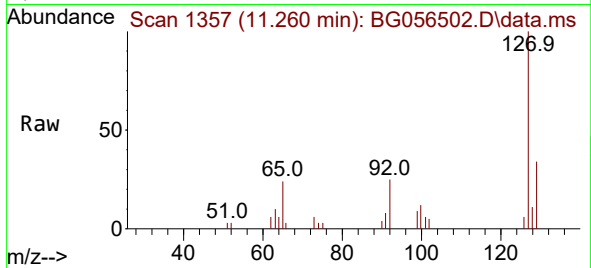




#33
4-Chloroaniline
Concen: 4.573 ng
RT: 11.260 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

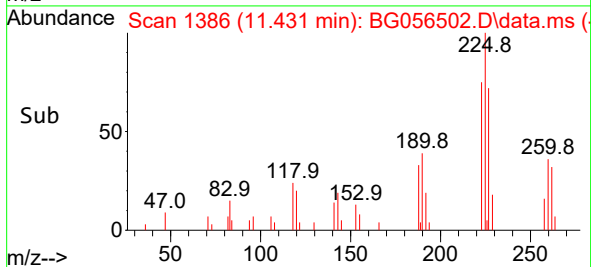
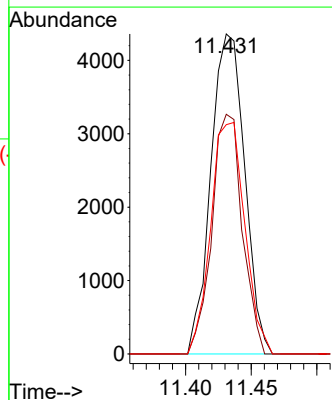
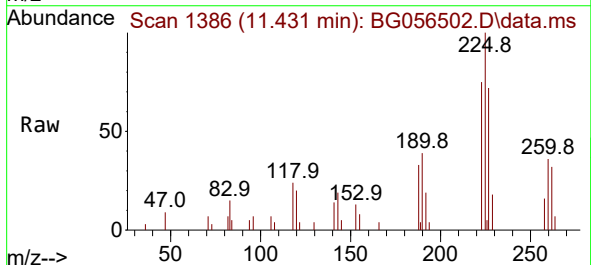
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

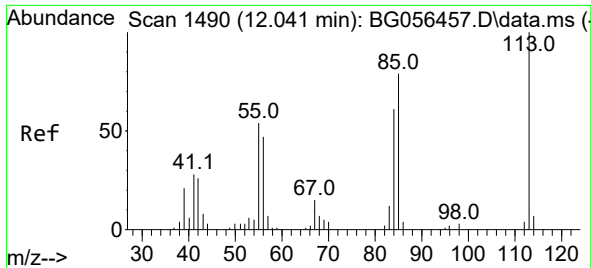
Tgt Ion:	127	Resp:	11390
Ion	Ratio	Lower	Upper
127	100		
129	34.4	25.0	37.6
65	24.1	18.5	27.7
92	24.8	15.2	22.8



#34
Hexachlorobutadiene
Concen: 5.108 ng
RT: 11.431 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:	225	Resp:	7820
Ion	Ratio	Lower	Upper
225	100		
223	74.9	50.6	75.8
227	71.7	53.7	80.5

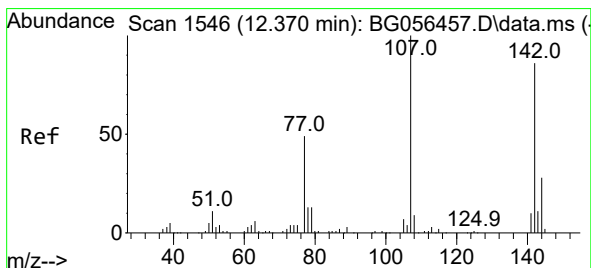
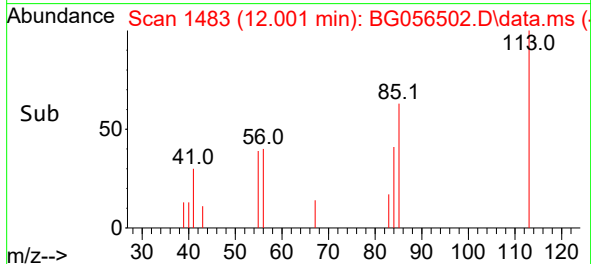
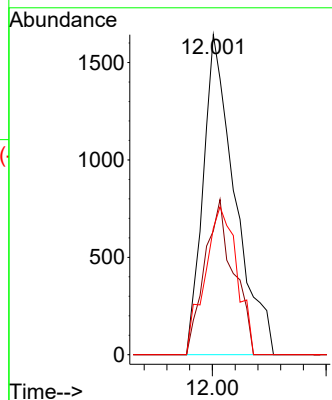
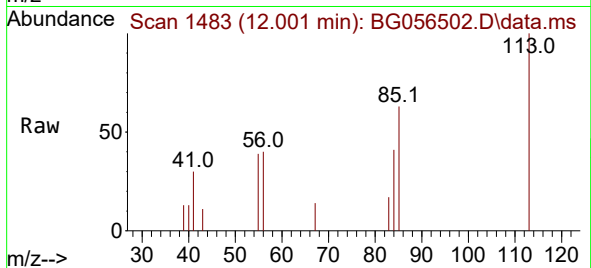




#35
Caprolactam
Concen: 4.803 ng
RT: 12.001 min Scan# 1490
Delta R.T. -0.029 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

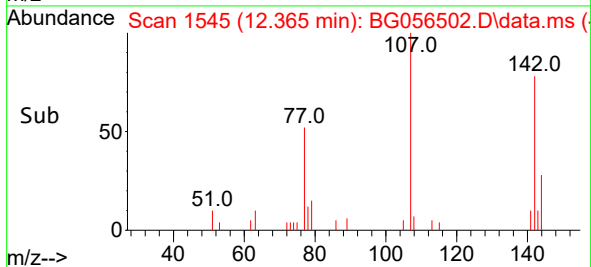
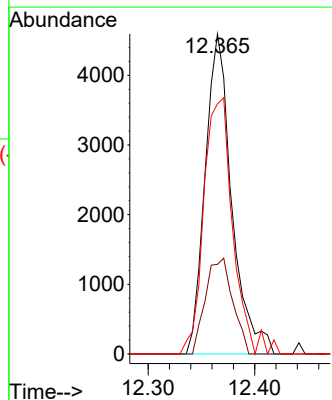
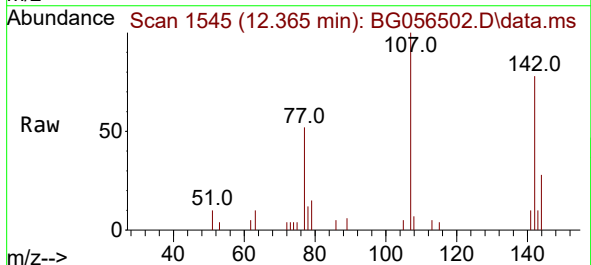
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

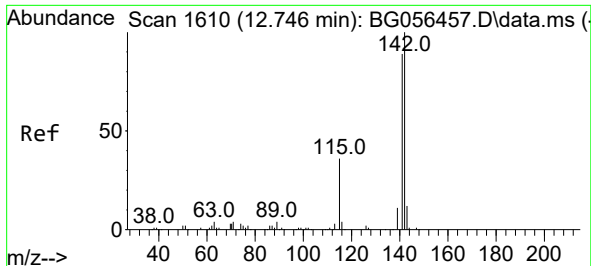
Tgt Ion:113 Resp: 3179
Ion Ratio Lower Upper
113 100
55 38.6 33.7 73.7
56 39.5 27.1 67.1



#36
4-Chloro-3-methylphenol
Concen: 4.211 ng
RT: 12.365 min Scan# 1545
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:107 Resp: 7981
Ion Ratio Lower Upper
107 100
144 28.0 22.3 33.5
142 78.1 68.9 103.3





#37

2-Methylnaphthalene

Concen: 4.368 ng

RT: 12.964 min Scan# 1

Delta R.T. 0.218 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

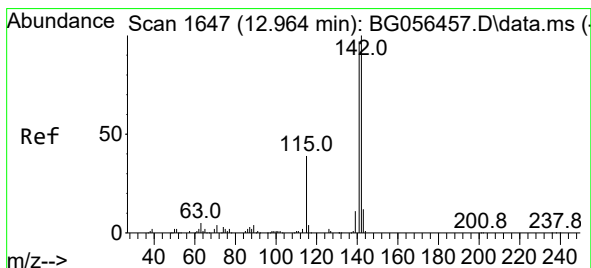
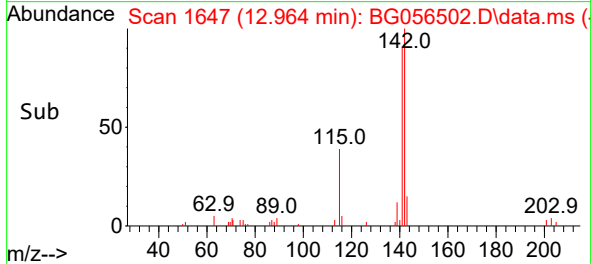
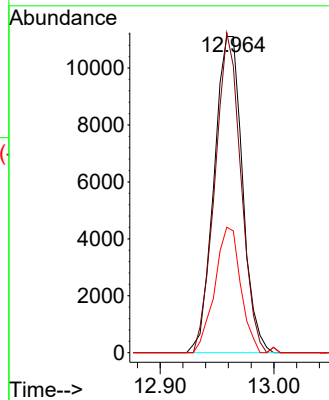
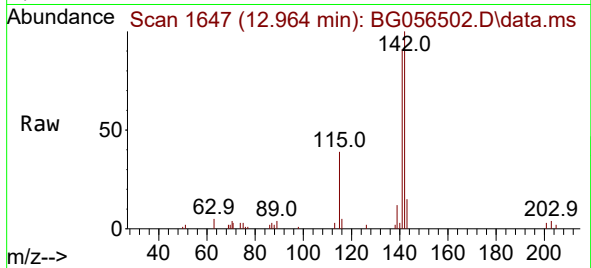
Tgt Ion:142 Resp: 19216

Ion Ratio Lower Upper

142 100

141 90.7 71.4 107.0

115 38.5 28.4 42.6



#38

1-Methylnaphthalene

Concen: 4.803 ng

RT: 12.741 min Scan# 1609

Delta R.T. -0.223 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

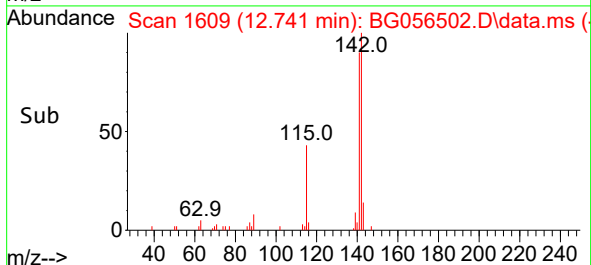
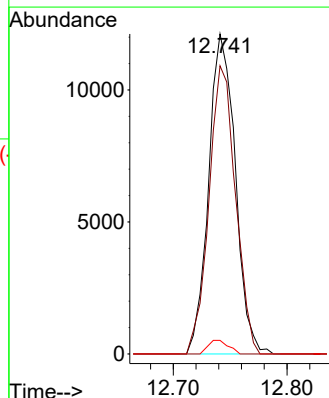
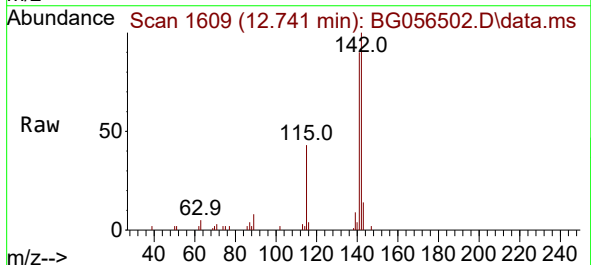
Tgt Ion:142 Resp: 19730

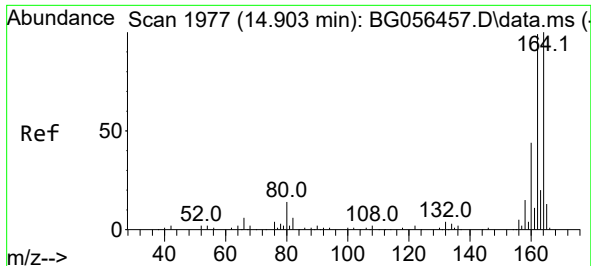
Ion Ratio Lower Upper

142 100

141 90.1 77.7 116.5

116 4.3 3.4 5.2

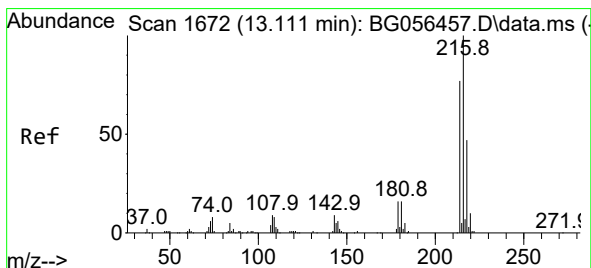
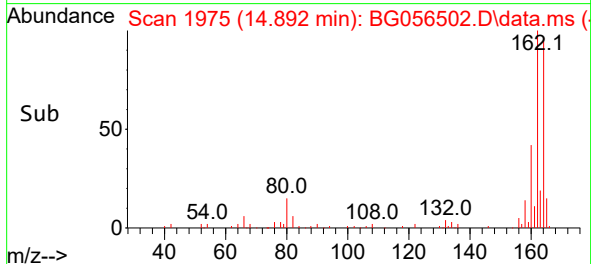
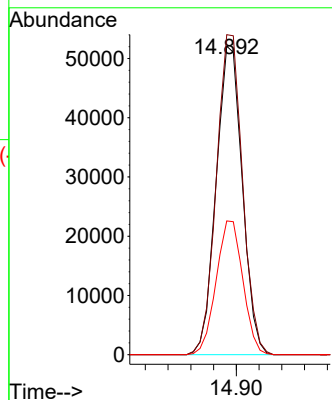
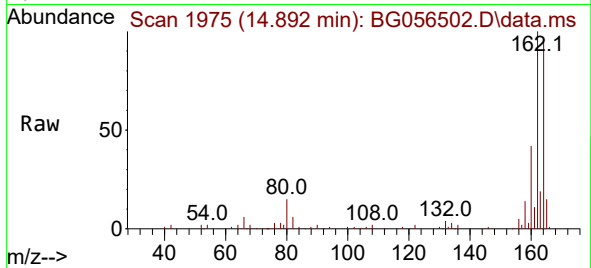




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.892 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

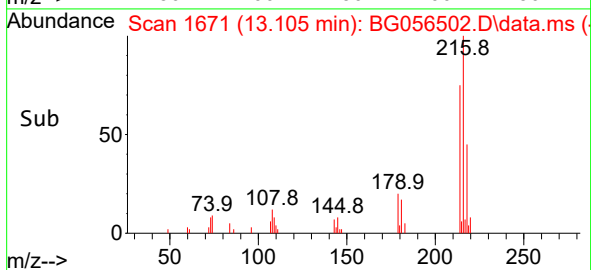
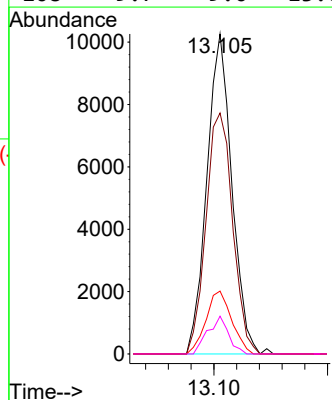
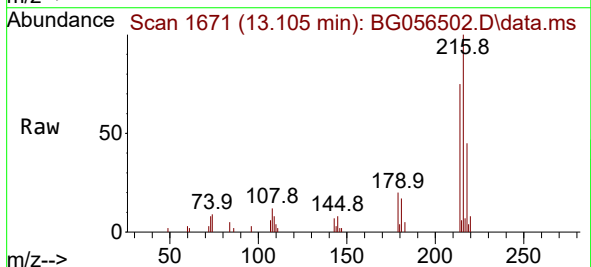
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

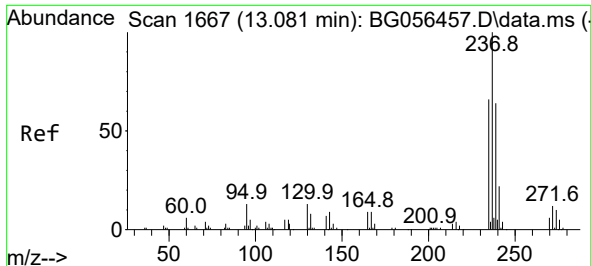
Tgt Ion:164 Resp: 83127
Ion Ratio Lower Upper
164 100
162 103.7 79.6 119.4
160 43.4 34.9 52.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.160 ng
RT: 13.105 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

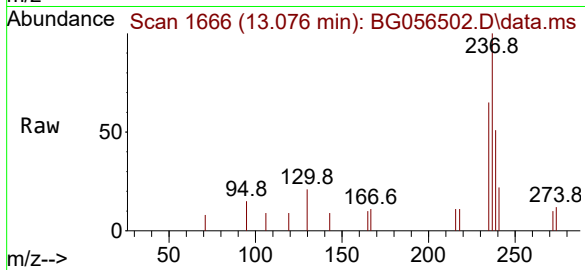
Tgt Ion:216 Resp: 15671
Ion Ratio Lower Upper
216 100
214 80.1 63.0 94.6
179 20.2 14.1 21.1
108 9.7 9.0 13.6



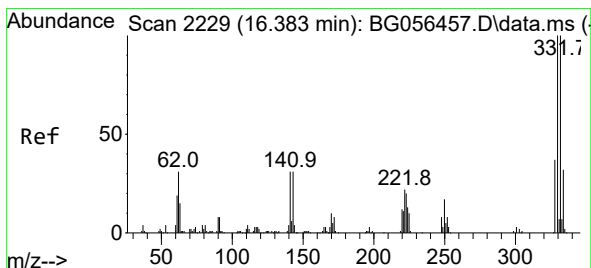
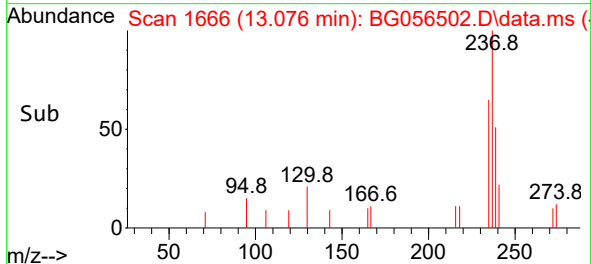
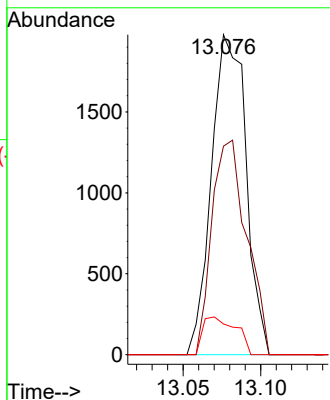


#41
Hexachlorocyclopentadiene
Concen: 8.120 ng
RT: 13.076 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

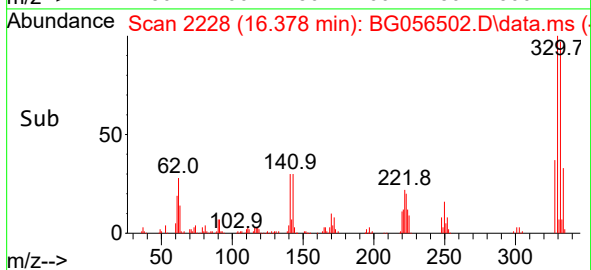
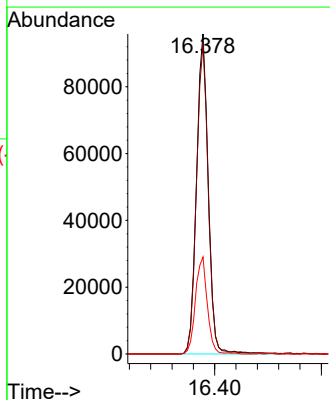
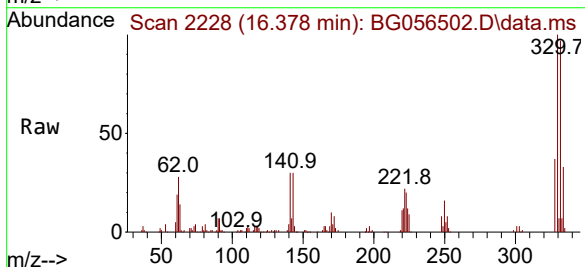


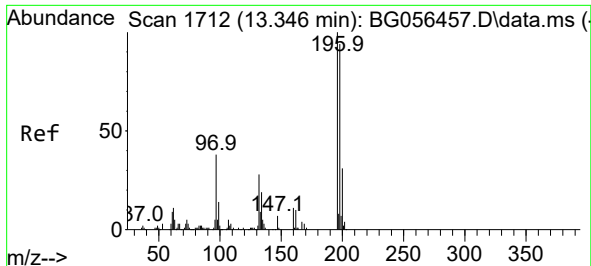
Tgt Ion:237 Resp: 3058
Ion Ratio Lower Upper
237 100
235 65.1 45.6 85.6
272 9.6 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 132.974 ng
RT: 16.378 min Scan# 2228
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:330 Resp: 146953
Ion Ratio Lower Upper
330 100
332 96.5 79.0 118.6
141 30.6 24.2 36.4

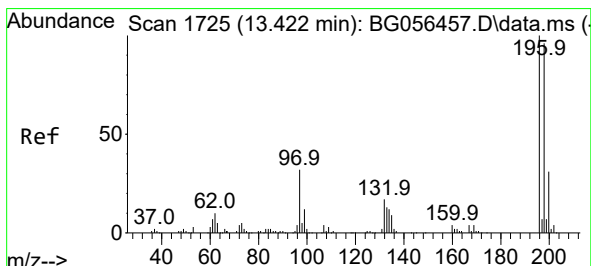
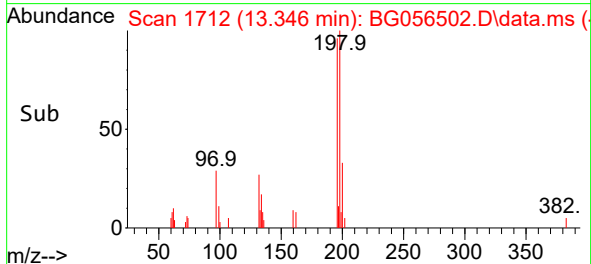
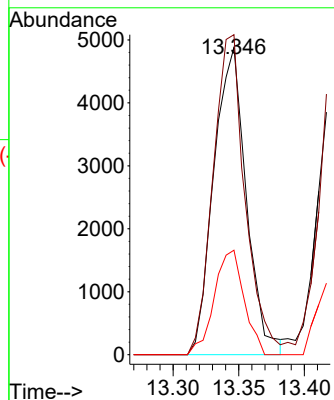
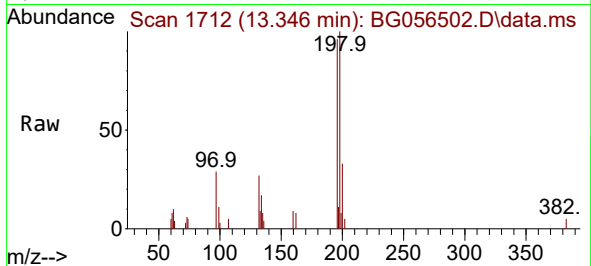




#43
2,4,6-Trichlorophenol
Concen: 4.295 ng
RT: 13.346 min Scan# 1712
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

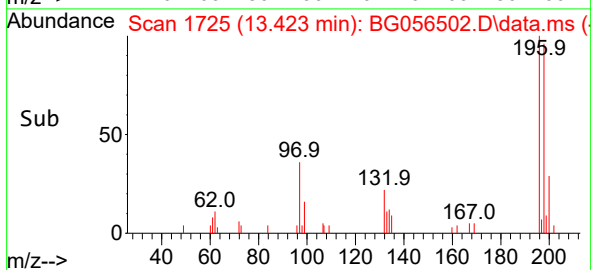
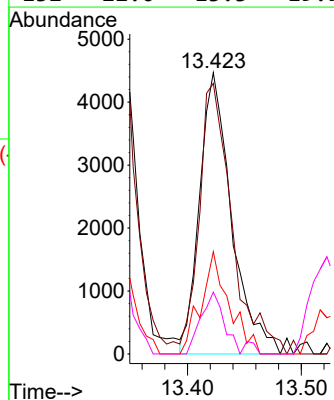
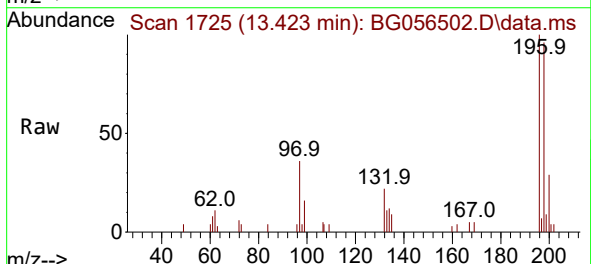
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

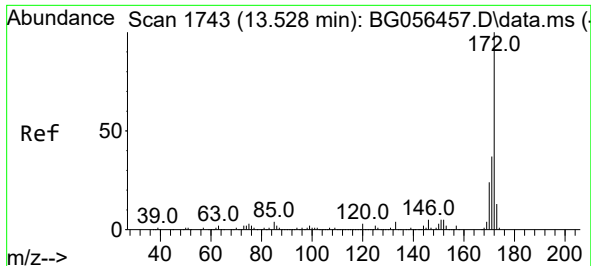
Tgt Ion:196 Resp: 8406
Ion Ratio Lower Upper
196 100
198 104.2 75.4 113.0
200 34.0 25.0 37.6



#44
2,4,5-Trichlorophenol
Concen: 3.801 ng
RT: 13.423 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:196 Resp: 8709
Ion Ratio Lower Upper
196 100
198 105.6 76.9 115.3
97 36.4 25.8 38.6
132 22.0 13.3 19.9#





#45

2-Fluorobiphenyl

Concen: 100.675 ng

RT: 13.523 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

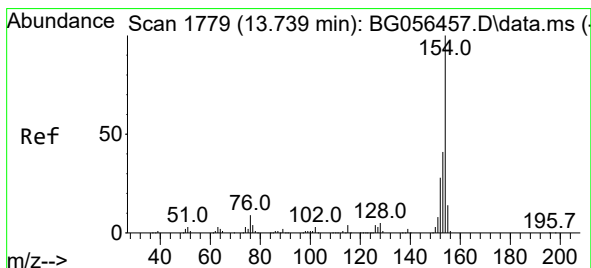
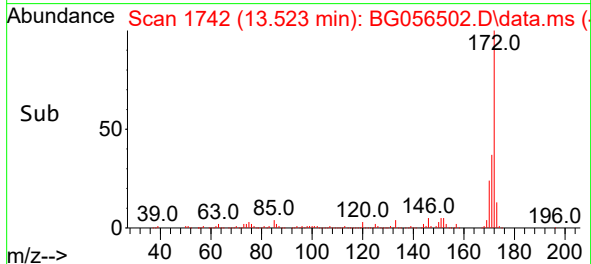
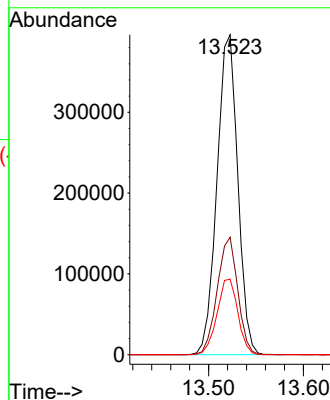
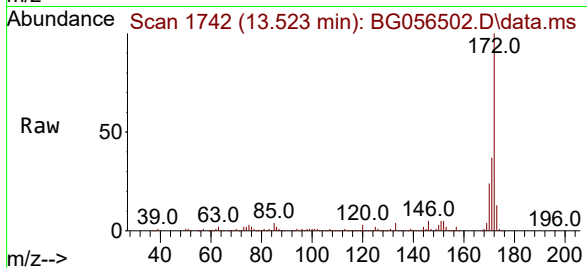
Tgt Ion:172 Resp: 603625

Ion Ratio Lower Upper

172 100

171 36.7 29.5 44.3

170 23.6 19.2 28.8



#46

1,1'-Biphenyl

Concen: 4.967 ng

RT: 13.734 min Scan# 1778

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

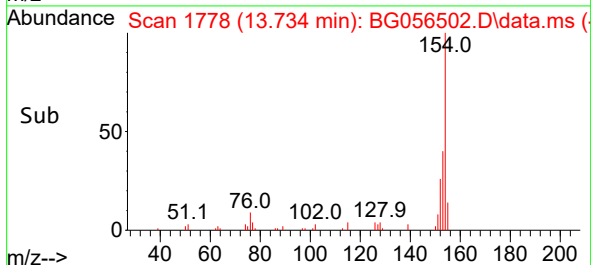
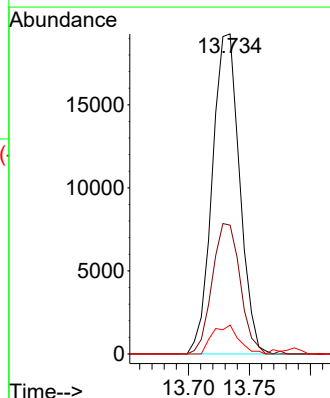
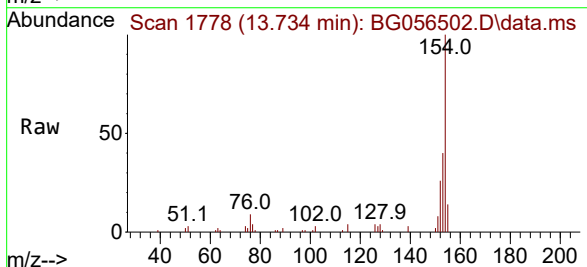
Tgt Ion:154 Resp: 29948

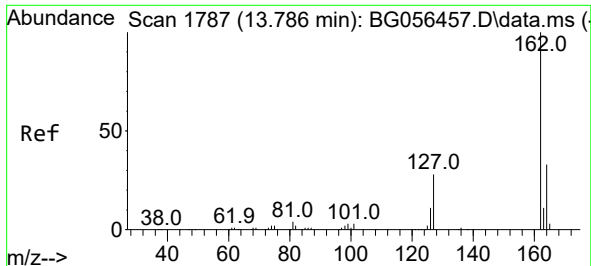
Ion Ratio Lower Upper

154 100

153 40.3 21.5 61.5

76 9.1 0.0 28.8

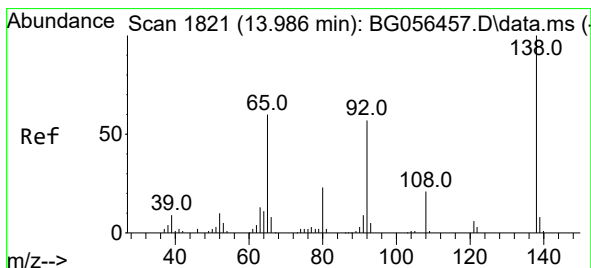
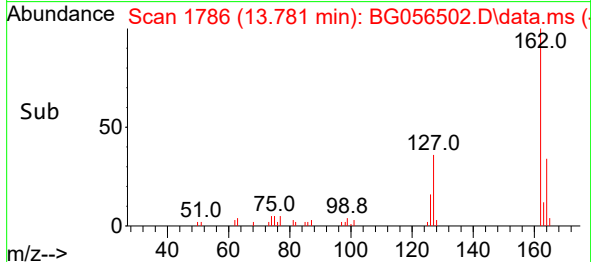
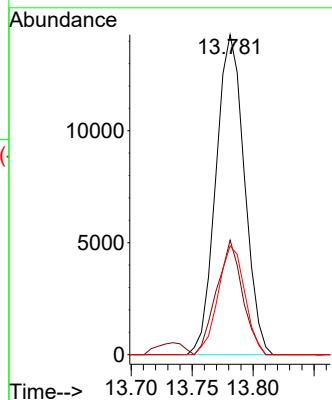
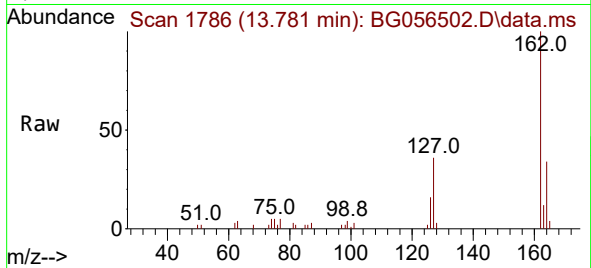




#47
2-Chloronaphthalene
Concen: 4.919 ng
RT: 13.781 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

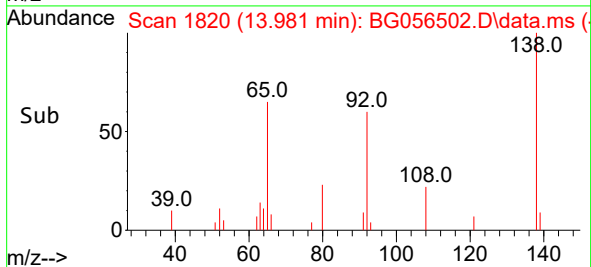
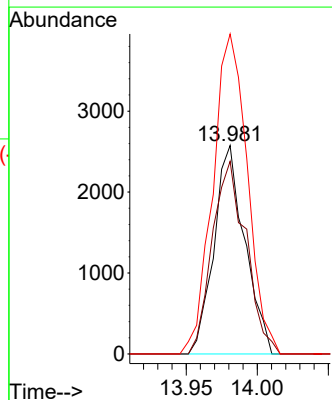
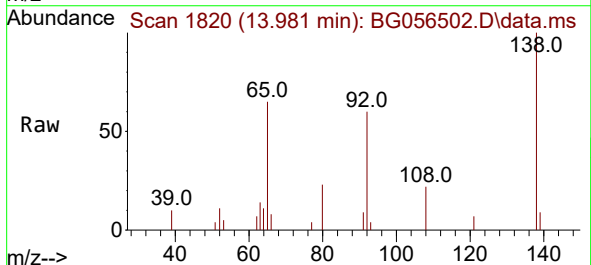
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

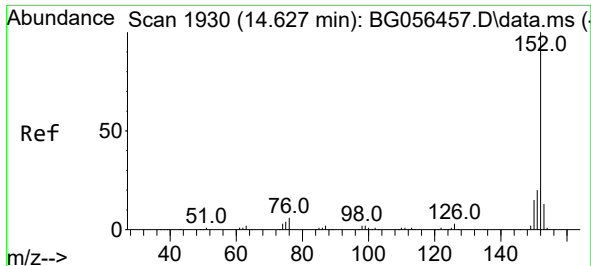
Tgt Ion:162 Resp: 23183
Ion Ratio Lower Upper
162 100
127 35.8 25.2 37.8
164 34.0 26.2 39.2



#48
2-Nitroaniline
Concen: 3.985 ng
RT: 13.981 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion: 65 Resp: 3882
Ion Ratio Lower Upper
65 100
92 92.4 75.8 113.6
138 153.5 133.2 199.8

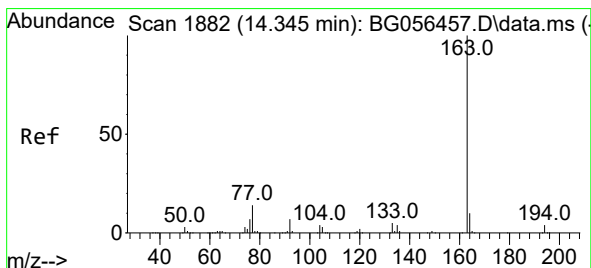
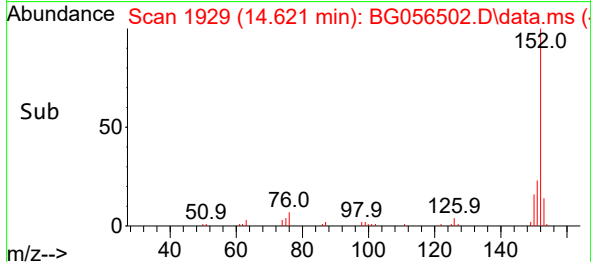
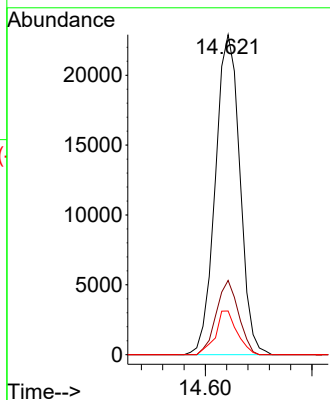
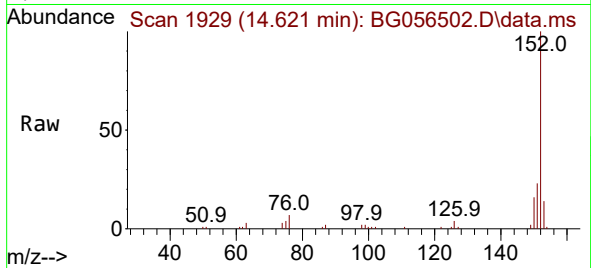




#49
Acenaphthylene
Concen: 4.764 ng
RT: 14.621 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

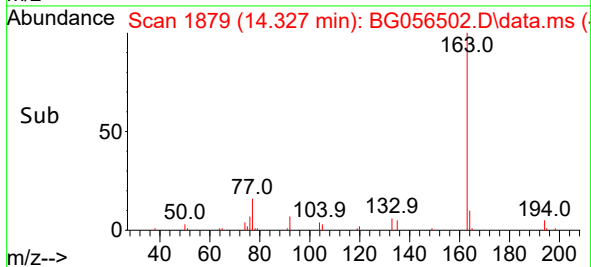
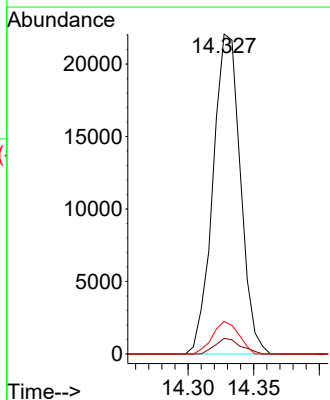
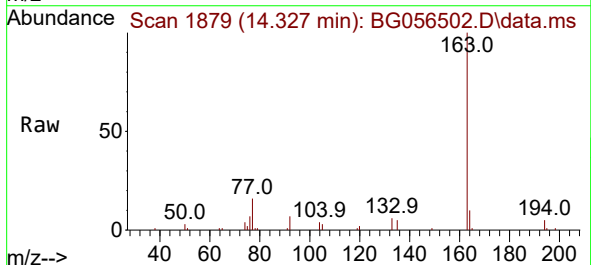
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

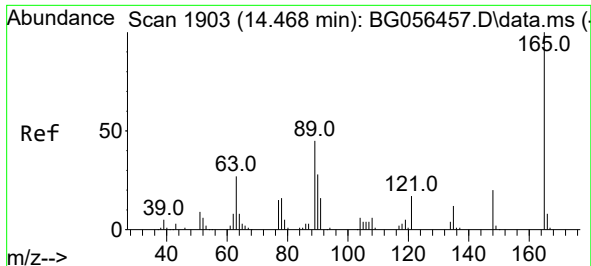
Tgt Ion:152 Resp: 36525
Ion Ratio Lower Upper
152 100
151 23.2 15.9 23.9
153 13.7 10.5 15.7



#50
Dimethylphthalate
Concen: 4.770 ng
RT: 14.327 min Scan# 1879
Delta R.T. -0.011 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:163 Resp: 32076
Ion Ratio Lower Upper
163 100
194 4.9 3.5 5.3
164 10.2 8.1 12.1

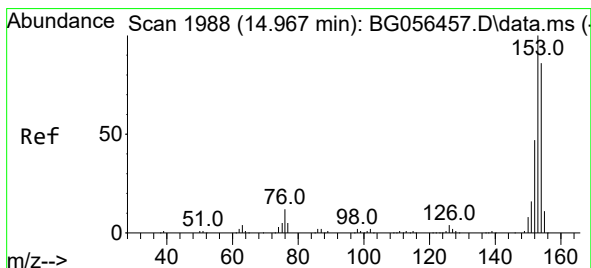
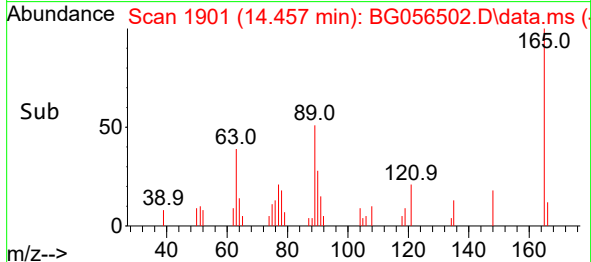
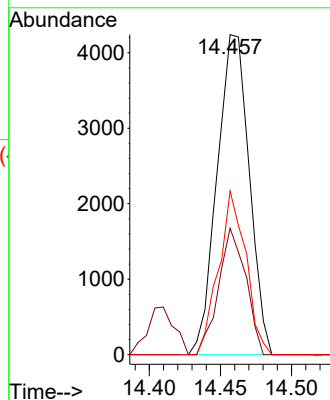
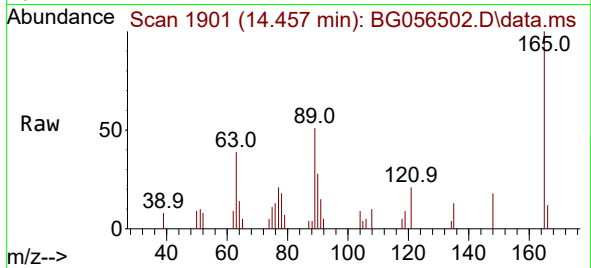




#51
2,6-Dinitrotoluene
Concen: 4.551 ng
RT: 14.457 min Scan# 1901
Delta R.T. -0.011 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

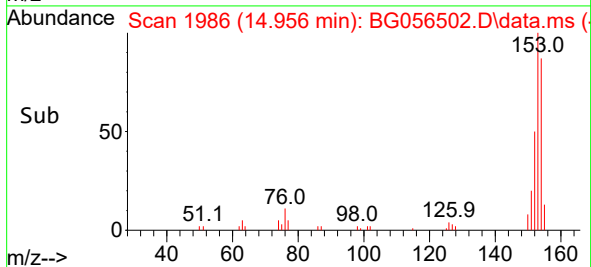
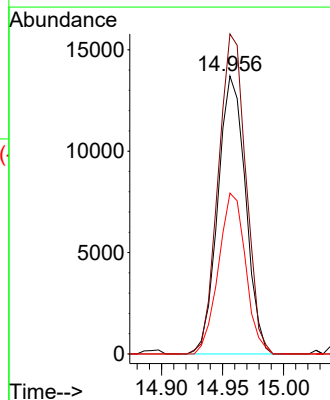
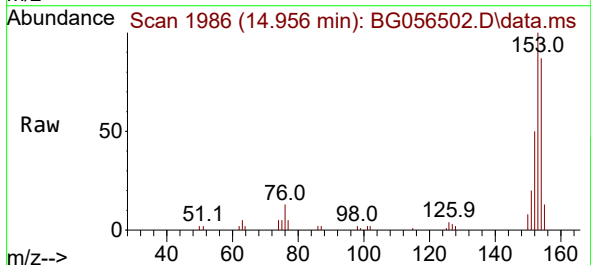
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

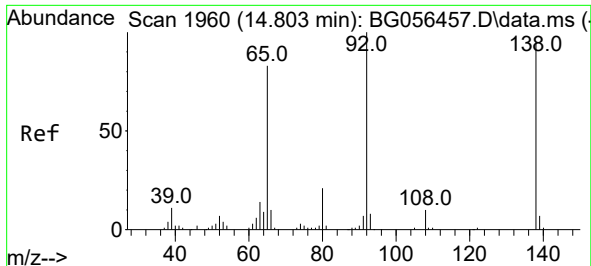
Tgt Ion:165 Resp: 6674
Ion Ratio Lower Upper
165 100
63 39.5 26.9 40.3
89 51.2 35.6 53.4



#52
Acenaphthene
Concen: 4.753 ng
RT: 14.956 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

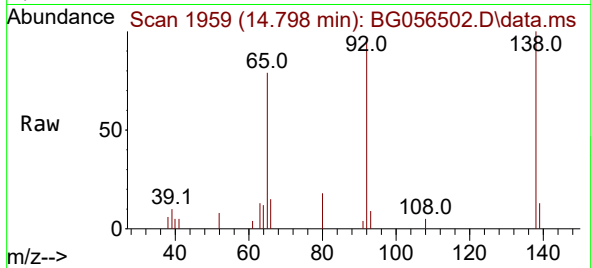
Tgt Ion:154 Resp: 21612
Ion Ratio Lower Upper
154 100
153 115.2 93.4 140.0
152 57.8 43.4 65.2



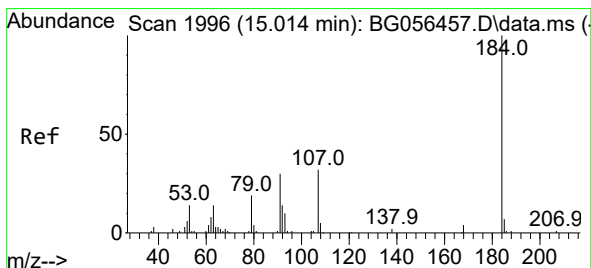
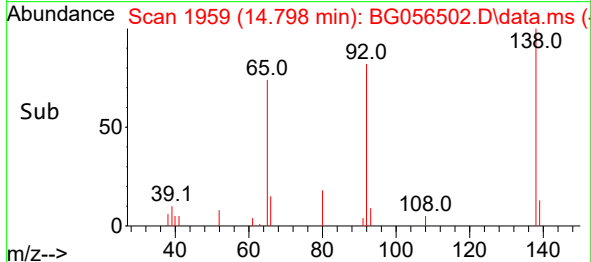
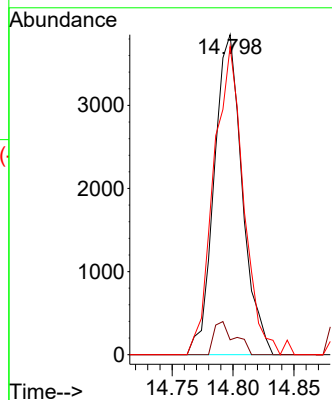


#53
3-Nitroaniline
Concen: 4.354 ng
RT: 14.798 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

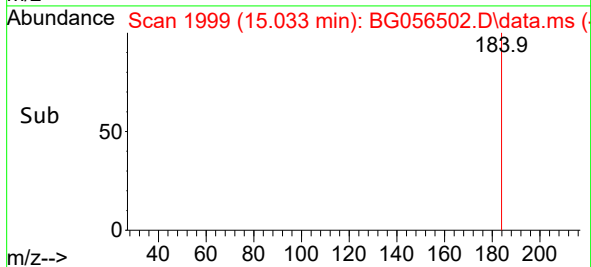
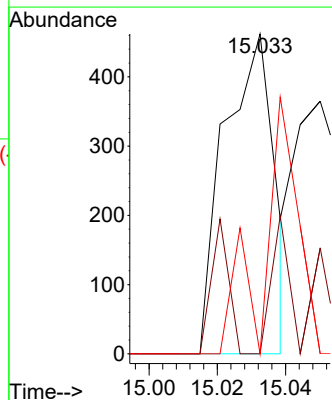
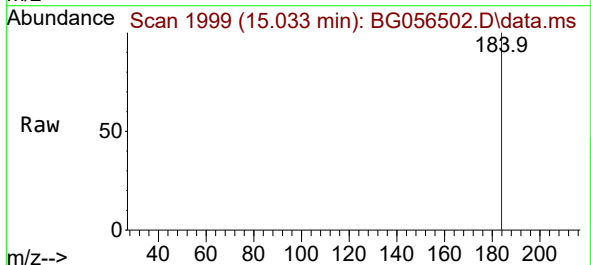


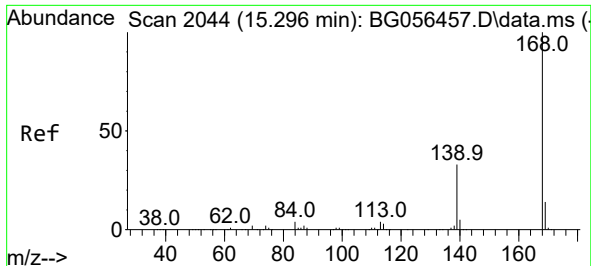
Tgt Ion:138 Resp: 6191
Ion Ratio Lower Upper
138 100
108 4.6 8.0 12.0#
92 96.3 84.1 126.1



#54
2,4-Dinitrophenol
Concen: 0.514 ng
RT: 15.033 min Scan# 1999
Delta R.T. 0.024 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:184 Resp: 473
Ion Ratio Lower Upper
184 100
63 0.0 25.1 37.7#
154 0.0 44.8 67.2#

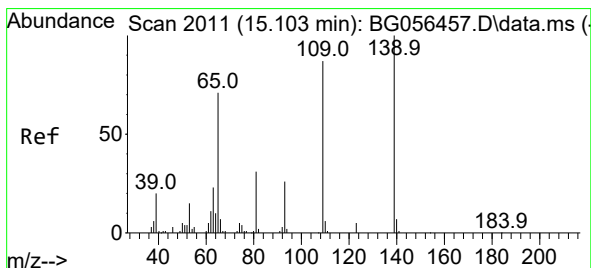
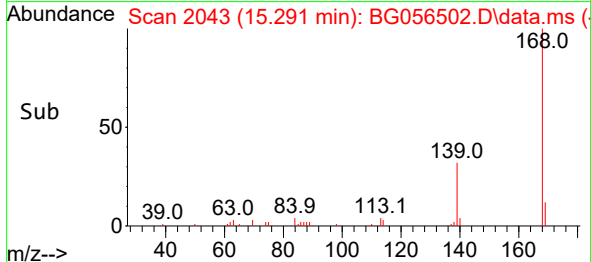
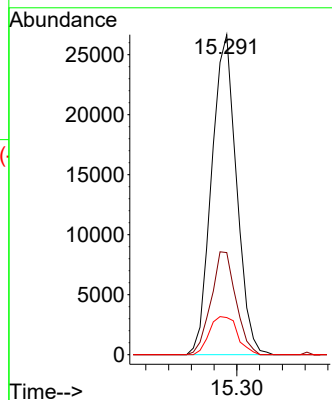
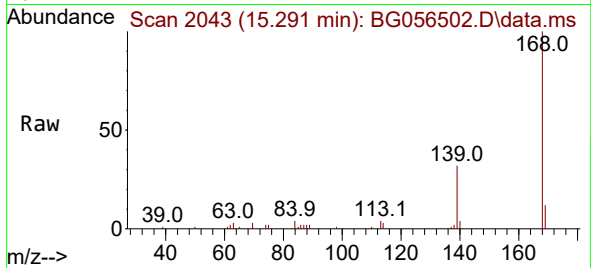




#55
Dibenzenofuran
Concen: 4.957 ng
RT: 15.291 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

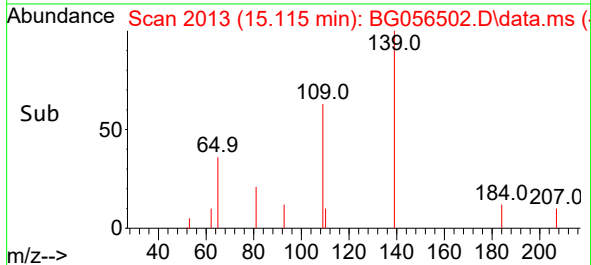
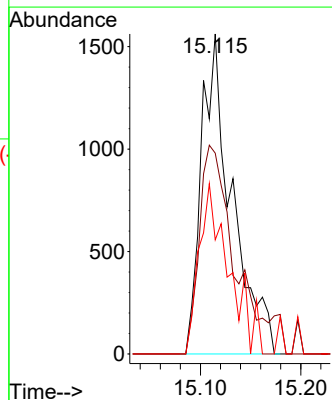
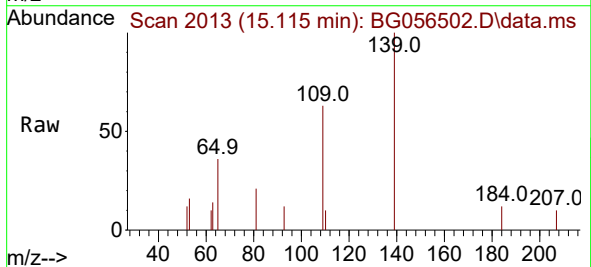
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

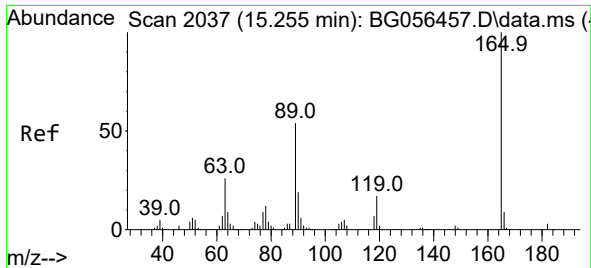
Tgt Ion:168 Resp: 40421
Ion Ratio Lower Upper
168 100
139 31.9 26.2 39.2
169 11.6 11.0 16.6



#56
4-Nitrophenol
Concen: 3.403 ng
RT: 15.115 min Scan# 2013
Delta R.T. 0.018 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:139 Resp: 3306
Ion Ratio Lower Upper
139 100
109 62.7 67.5 107.5#
65 35.7 50.7 90.7#





#57

2,4-Dinitrotoluene

Concen: 4.538 ng

RT: 15.250 min Scan# 2037

Delta R.T. 0.000 min

Lab File: BG056502.D

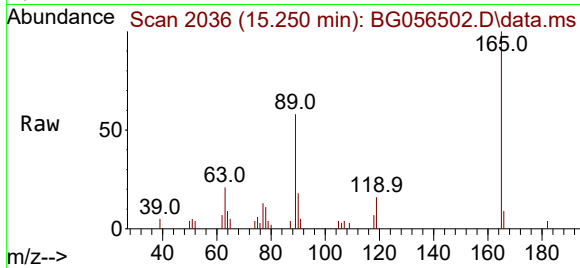
Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:165 Resp: 9374

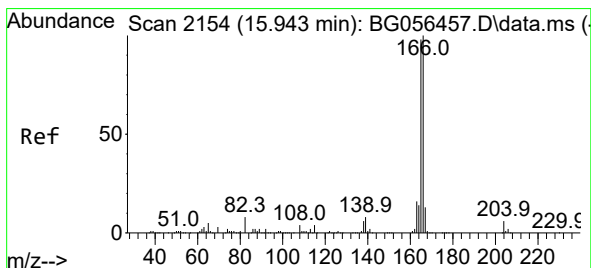
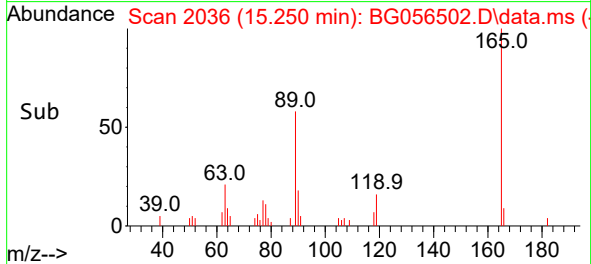
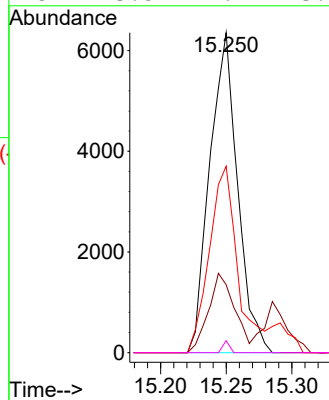
Ion Ratio Lower Upper

165 100

63 21.2 20.6 31.0

89 58.2 43.1 64.7

182 3.8 2.4 3.6#



#58

Fluorene

Concen: 4.845 ng

RT: 15.937 min Scan# 2153

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

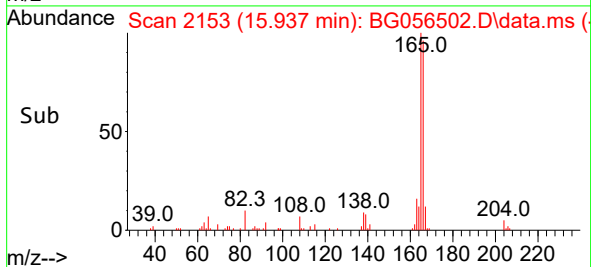
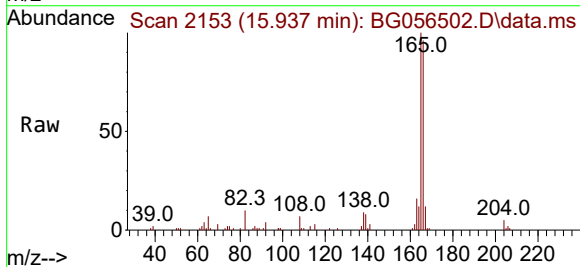
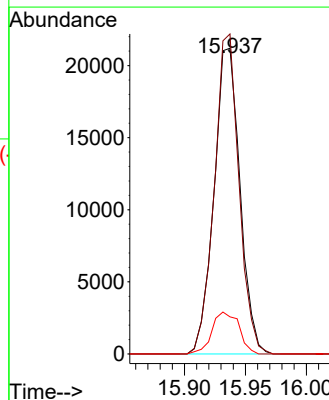
Tgt Ion:166 Resp: 31436

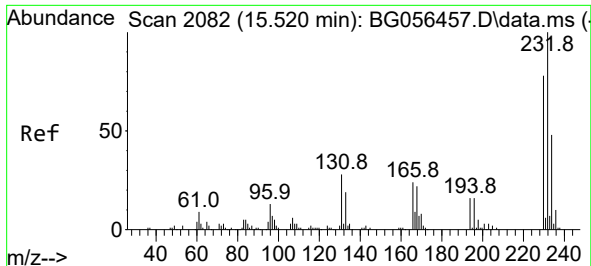
Ion Ratio Lower Upper

166 100

165 104.7 78.8 118.2

167 12.2 10.6 15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.865 ng

RT: 15.520 min Scan# 2082

Delta R.T. 0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:232 Resp: 7874

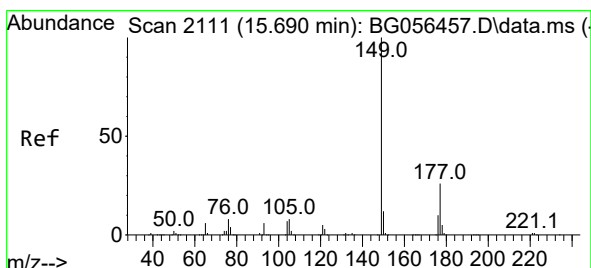
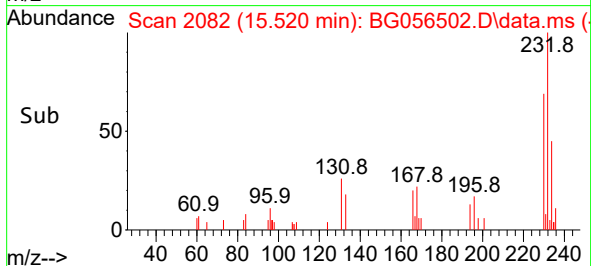
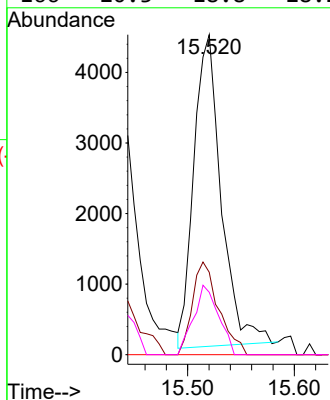
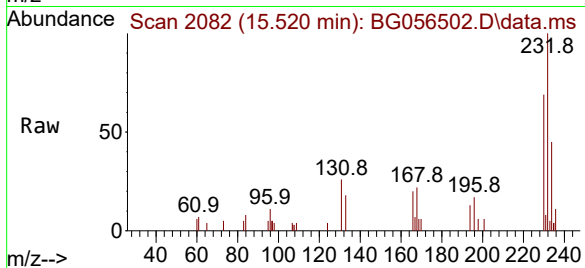
Ion Ratio Lower Upper

232 100

131 28.6 22.8 34.2

130 0.0 1.4 2.0#

166 20.3 18.8 28.2



#60

Diethylphthalate

Concen: 4.681 ng

RT: 15.679 min Scan# 2109

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

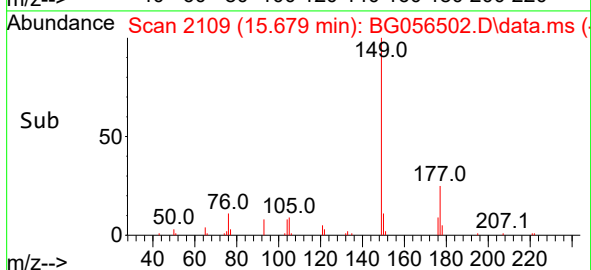
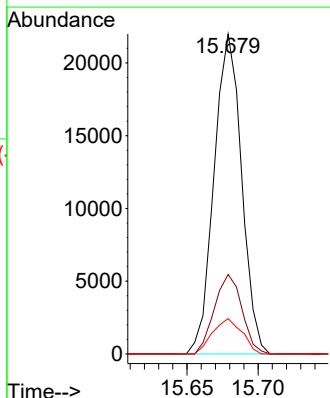
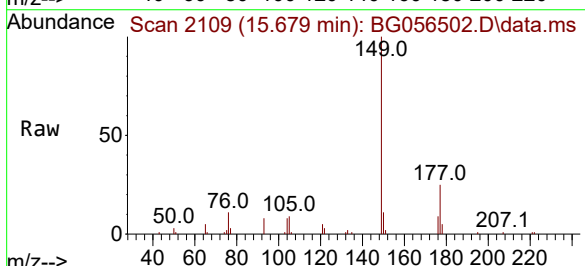
Tgt Ion:149 Resp: 29559

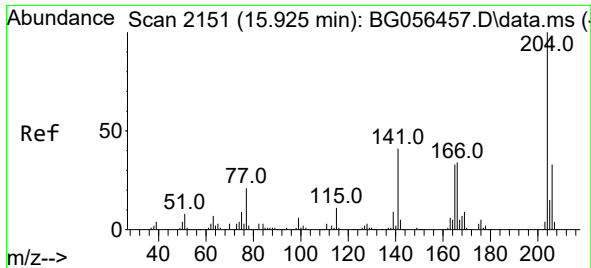
Ion Ratio Lower Upper

149 100

177 24.9 21.0 31.4

150 11.0 9.9 14.9

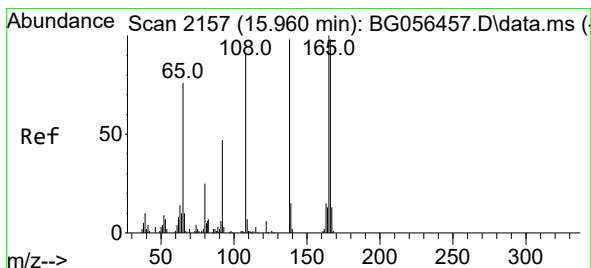
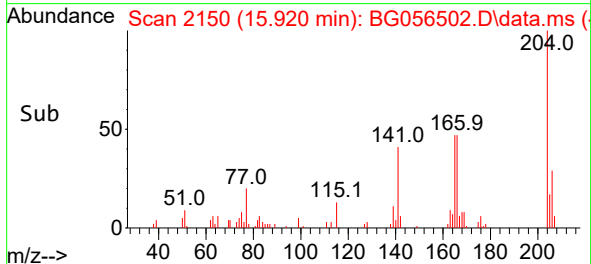
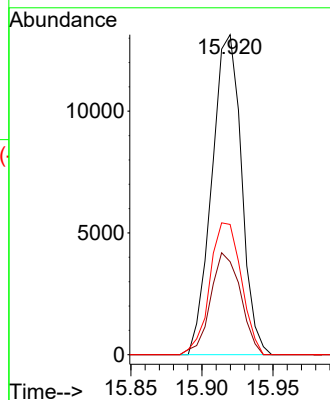
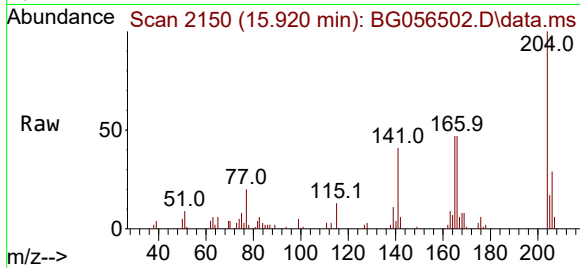




#61
4-Chlorophenyl-phenylether
Concen: 4.810 ng
RT: 15.920 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

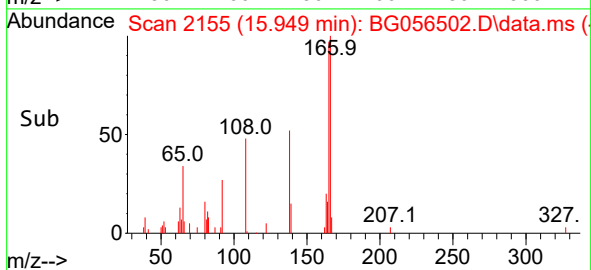
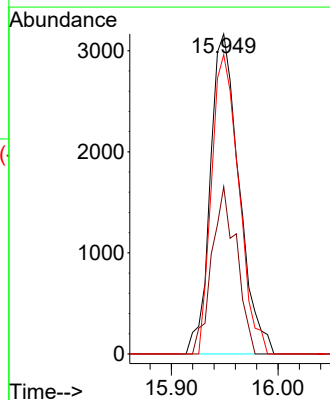
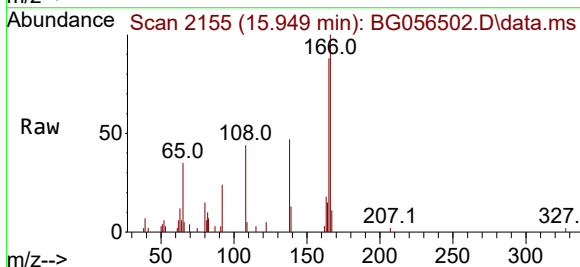
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

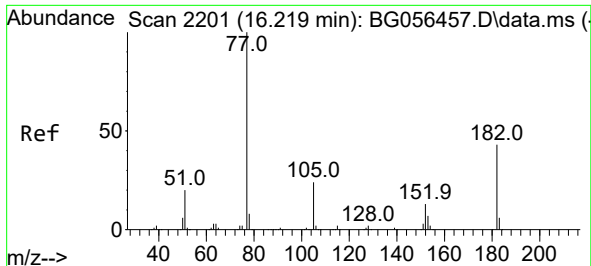
Tgt Ion:204 Resp: 19045
Ion Ratio Lower Upper
204 100
206 29.1 26.2 39.4
141 40.7 32.7 49.1



#62
4-Nitroaniline
Concen: 4.167 ng
RT: 15.949 min Scan# 2155
Delta R.T. -0.011 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:138 Resp: 5929
Ion Ratio Lower Upper
138 100
92 52.2 27.8 67.8
108 93.5 72.6 112.6

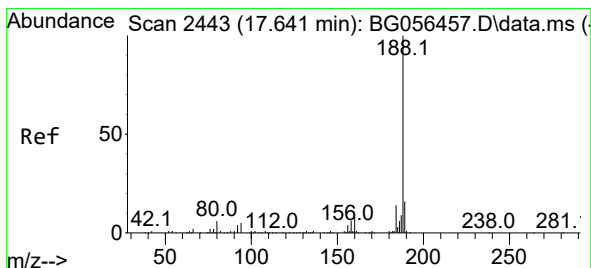
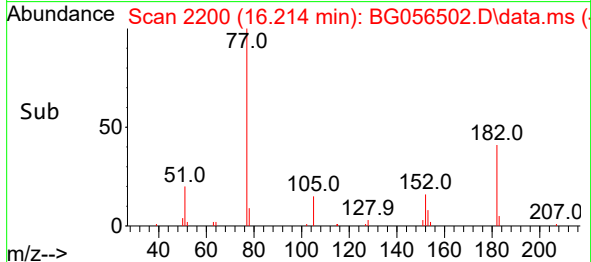
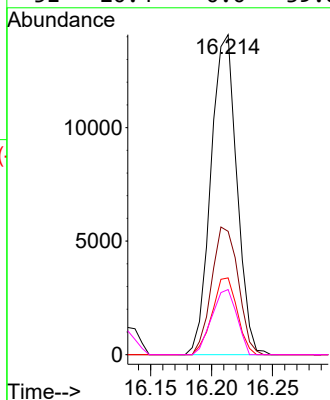
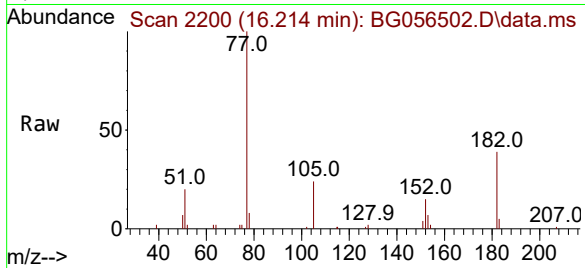




#63
Azobenzene
Concen: 4.801 ng
RT: 16.214 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

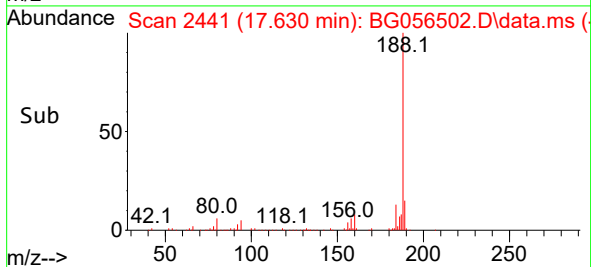
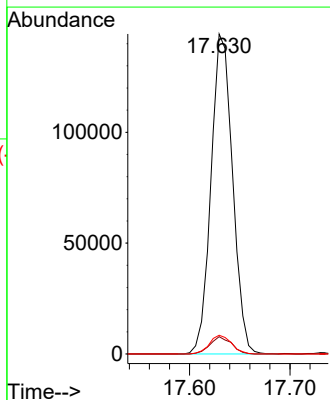
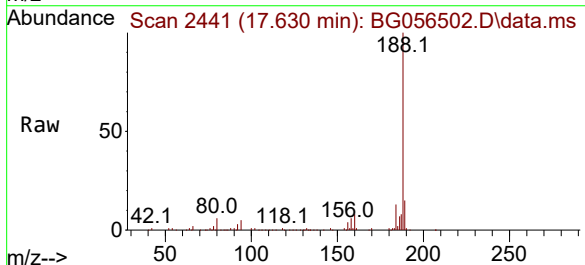
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

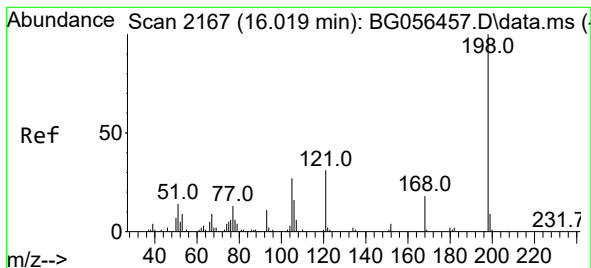
Tgt Ion: 77 Resp: 20862
Ion Ratio Lower Upper
77 100
182 38.5 23.1 63.1
105 24.0 4.2 44.2
51 20.4 0.0 39.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion: 188 Resp: 215566
Ion Ratio Lower Upper
188 100
94 5.4 4.1 6.1
80 5.8 5.0 7.4

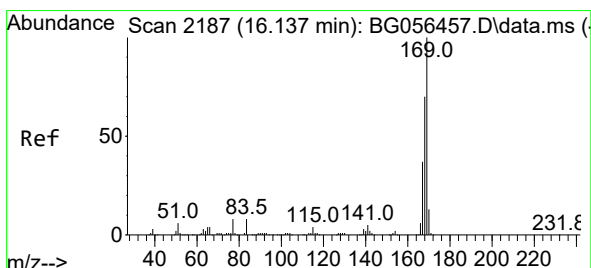
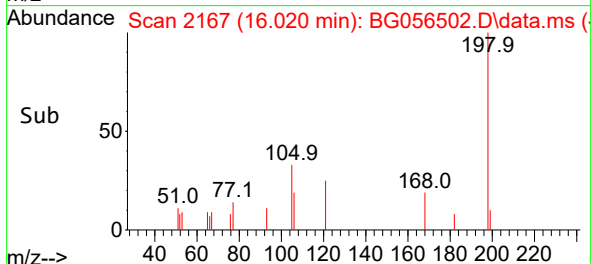
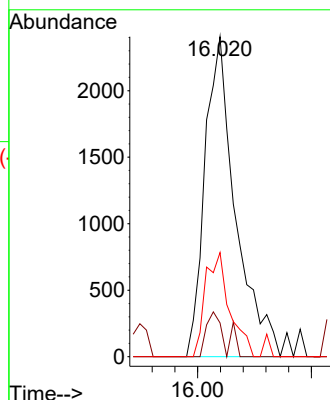
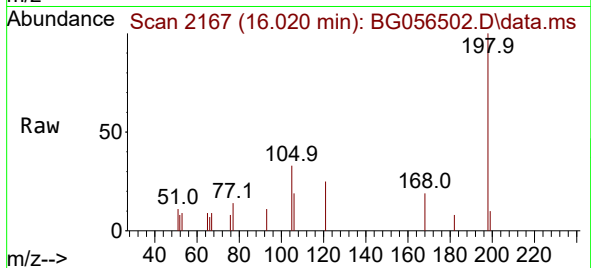




#65
4,6-Dinitro-2-methylphenol
Concen: 2.961 ng
RT: 16.020 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

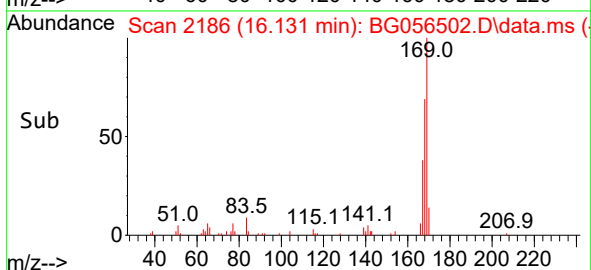
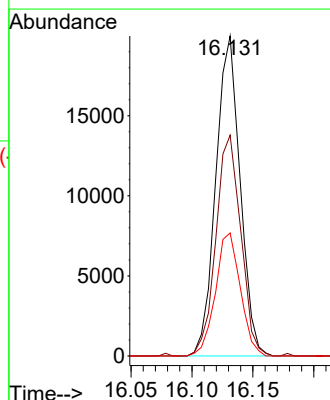
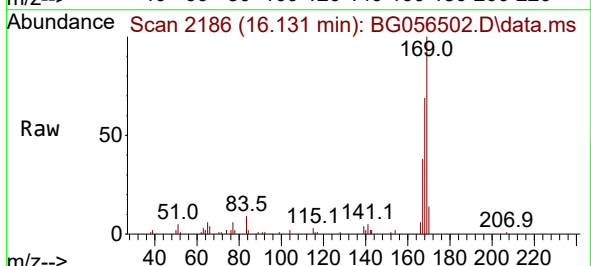
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

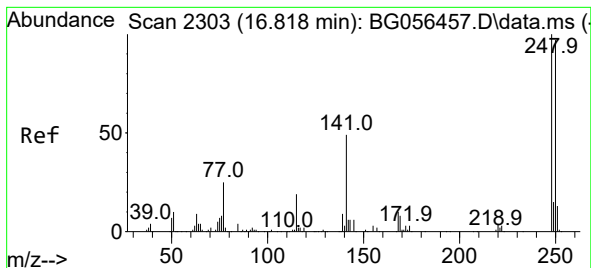
Tgt Ion:198 Resp: 4488
Ion Ratio Lower Upper
198 100
51 10.6 0.0 35.0
105 32.5 7.4 47.4



#66
n-Nitrosodiphenylamine
Concen: 4.540 ng
RT: 16.131 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:169 Resp: 27712
Ion Ratio Lower Upper
169 100
168 69.0 55.8 83.6
167 38.4 29.8 44.8

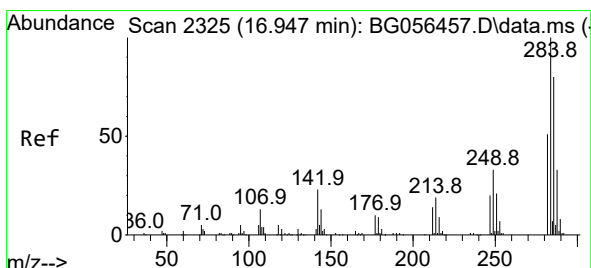
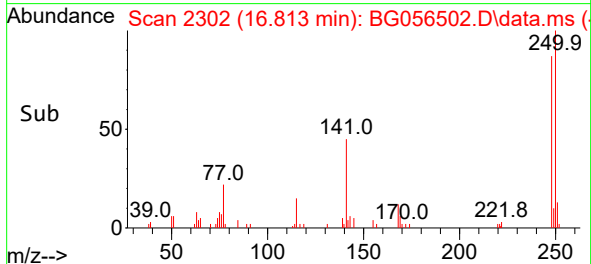
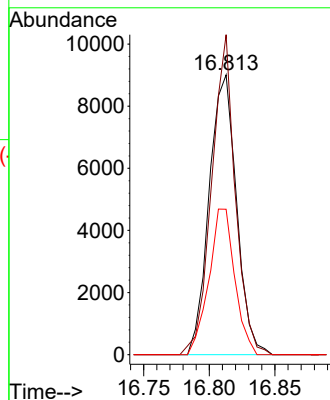
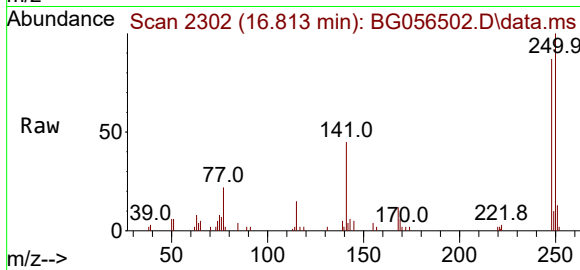




#67
4-Bromophenyl-phenylether
Concen: 4.731 ng
RT: 16.813 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

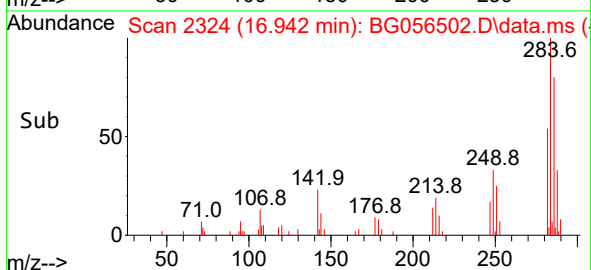
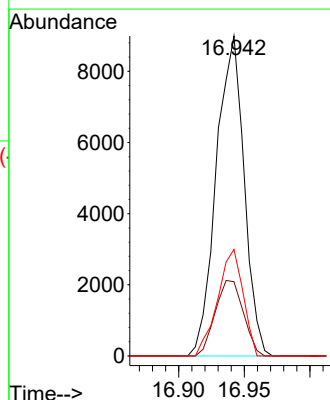
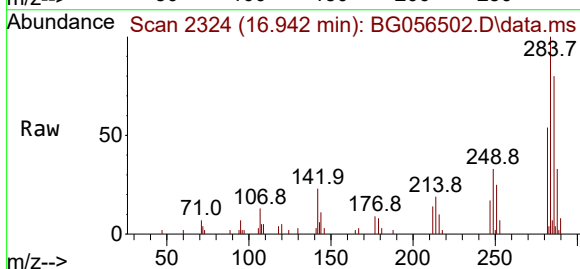
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

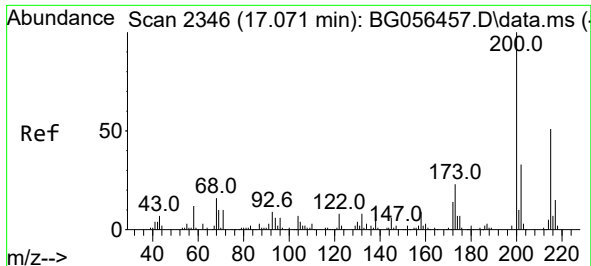
Tgt Ion:248 Resp: 13057
Ion Ratio Lower Upper
248 100
250 114.3 77.6 116.4
141 51.9 39.0 58.4



#68
Hexachlorobenzene
Concen: 4.904 ng
RT: 16.942 min Scan# 2324
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:284 Resp: 13256
Ion Ratio Lower Upper
284 100
142 23.2 18.0 27.0
249 33.3 26.7 40.1

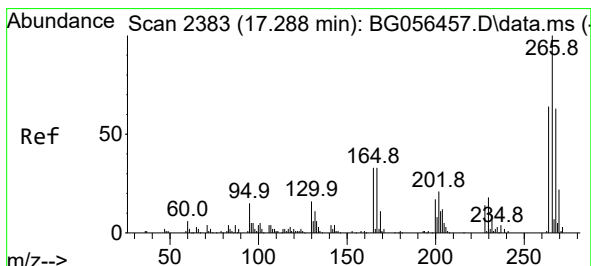
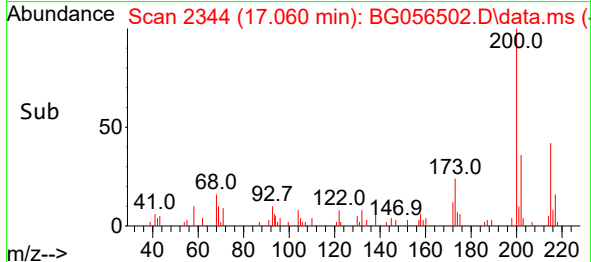
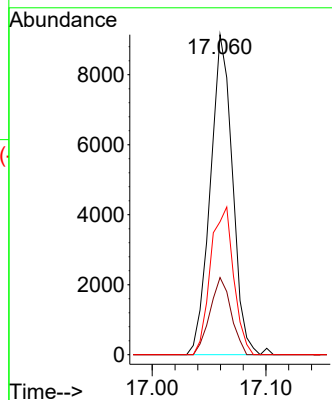
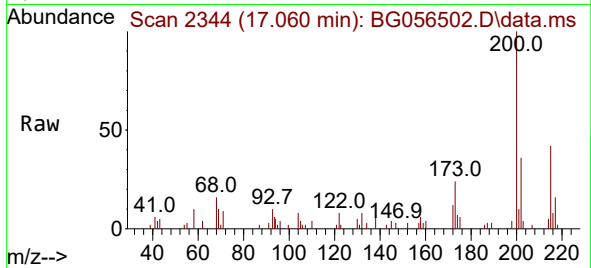




#69
 Atrazine
 Concen: 5.264 ng
 RT: 17.060 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

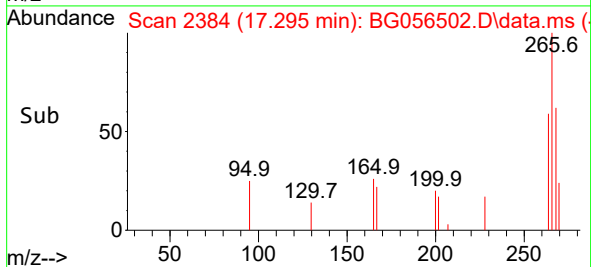
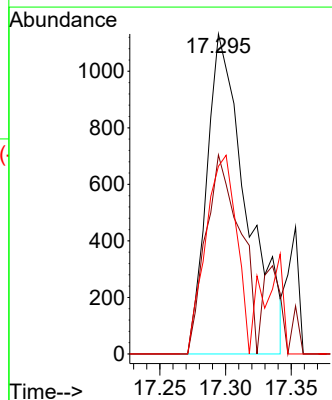
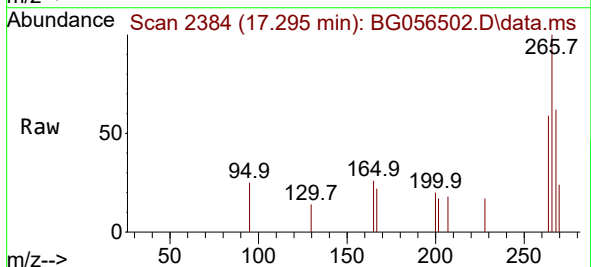
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

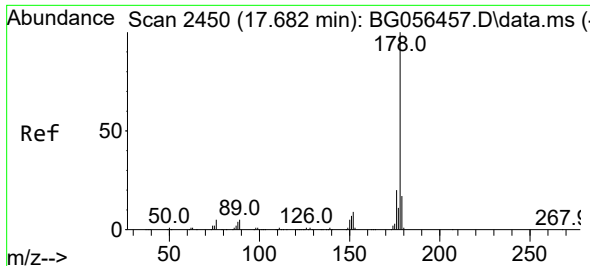
Tgt Ion:200 Resp: 12394
 Ion Ratio Lower Upper
 200 100
 173 24.1 3.2 43.2
 215 41.5 30.7 70.7



#70
 Pentachlorophenol
 Concen: 1.460 ng
 RT: 17.295 min Scan# 2384
 Delta R.T. 0.012 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

Tgt Ion:266 Resp: 2387
 Ion Ratio Lower Upper
 266 100
 268 62.2 50.2 75.4
 264 58.7 51.4 77.0

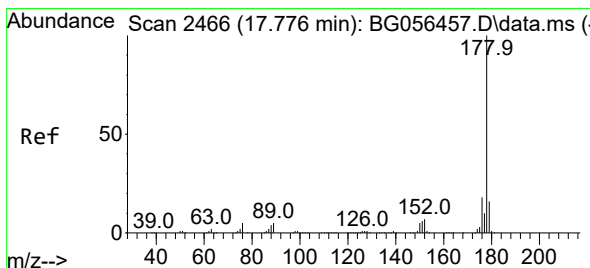
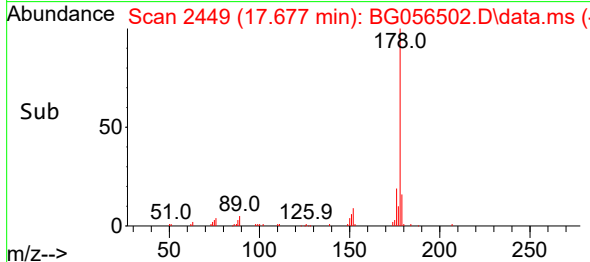
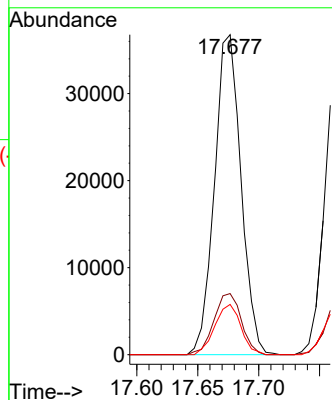
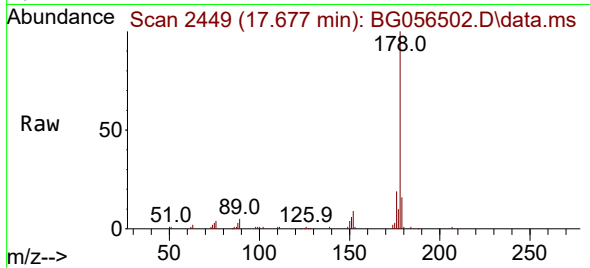




#71
Phenanthrene
Concen: 4.927 ng
RT: 17.677 min Scan# 2449
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

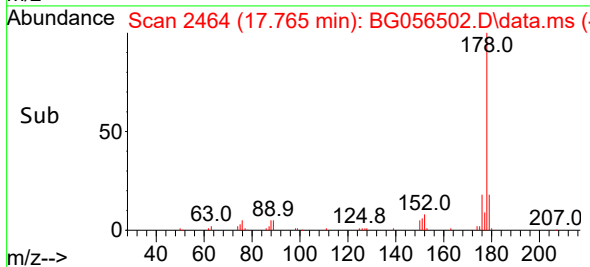
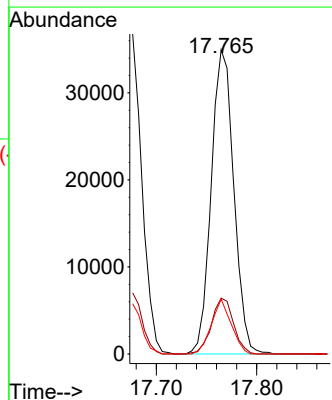
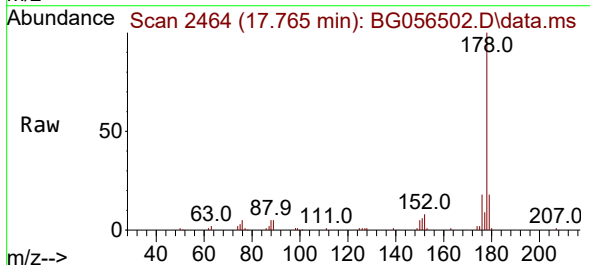
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

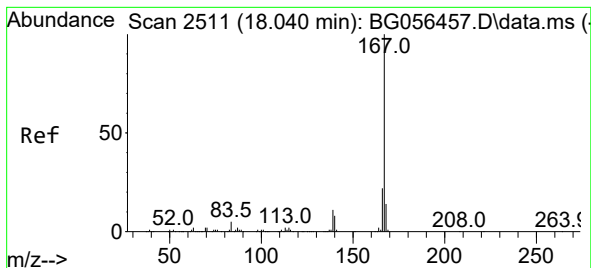
Tgt Ion:178 Resp: 55587
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.7 13.3 19.9



#72
Anthracene
Concen: 4.721 ng
RT: 17.765 min Scan# 2464
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:178 Resp: 54677
Ion Ratio Lower Upper
178 100
176 18.4 14.5 21.7
179 18.0 12.5 18.7





#73

Carbazole

Concen: 4.720 ng

RT: 18.035 min Scan# 2510

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

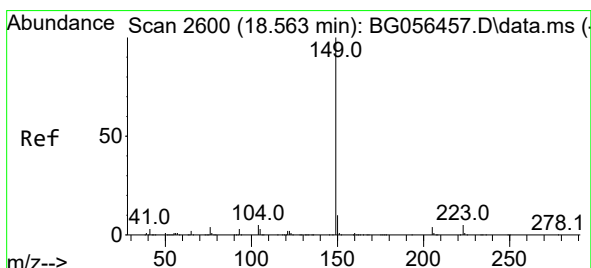
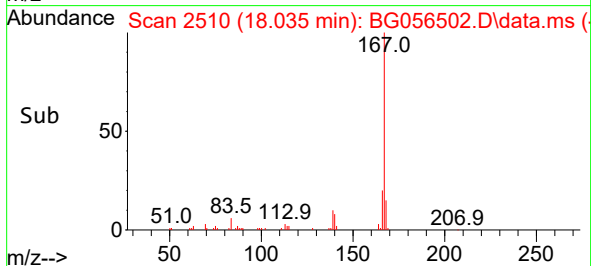
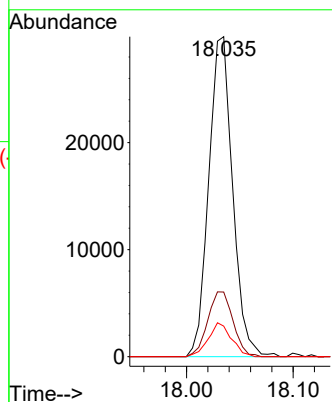
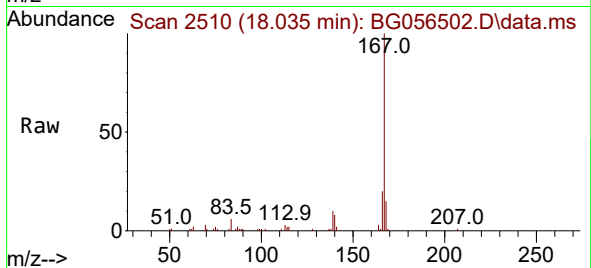
Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:167	Resp:	46560
Ion Ratio	Lower	Upper
167	100	
166	20.2	17.8 26.6
139	9.5	8.9 13.3



#74

Di-n-butylphthalate

Concen: 4.426 ng

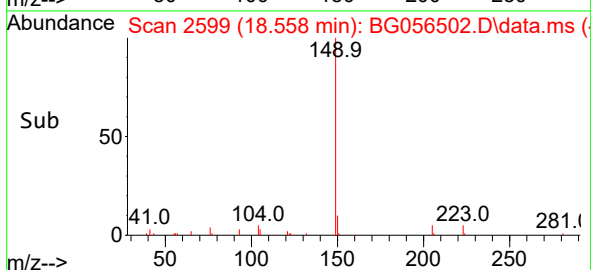
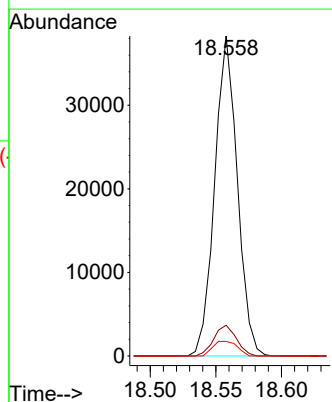
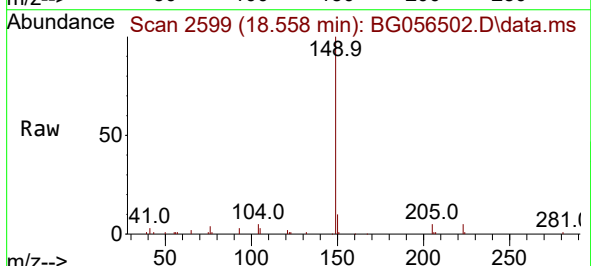
RT: 18.558 min Scan# 2599

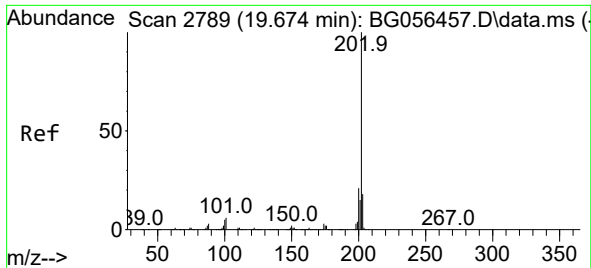
Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Tgt Ion:149	Resp:	45843
Ion Ratio	Lower	Upper
149	100	
150	9.6	7.8 11.6
104	4.5	4.0 6.0

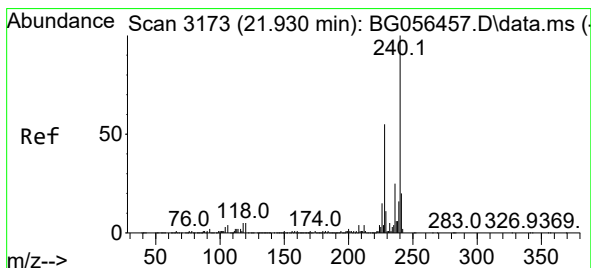
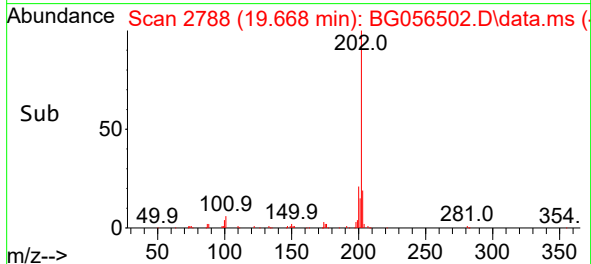
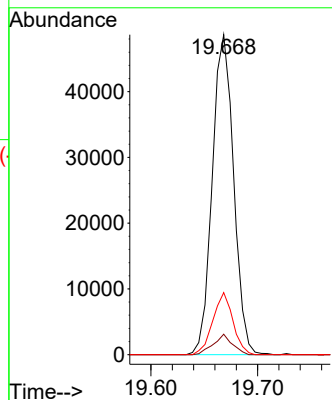
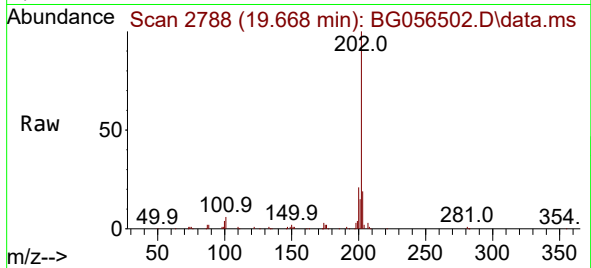




#75
Fluoranthene
Concen: 4.743 ng
RT: 19.668 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

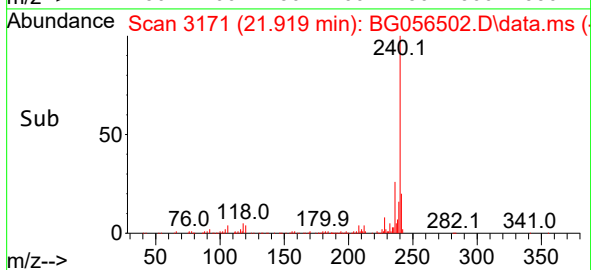
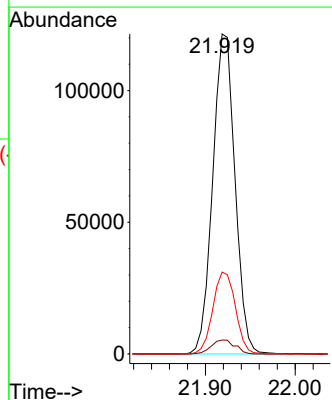
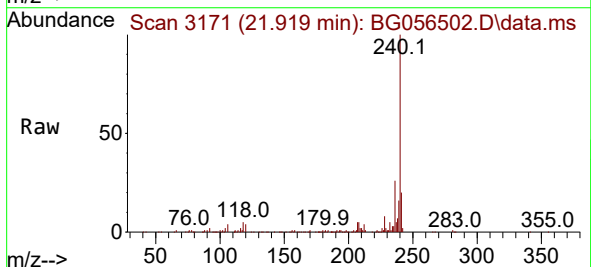
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

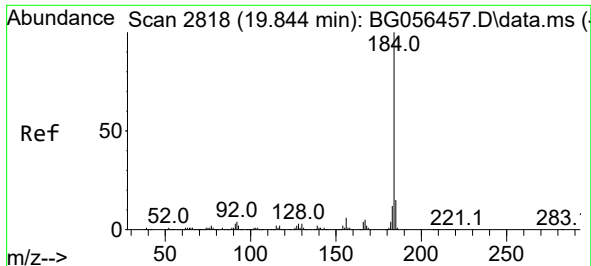
Tgt Ion:202 Resp: 67542
Ion Ratio Lower Upper
202 100
101 6.4 0.0 25.6
203 19.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:240 Resp: 209188
Ion Ratio Lower Upper
240 100
120 4.4 3.8 5.8
236 25.6 20.2 30.2

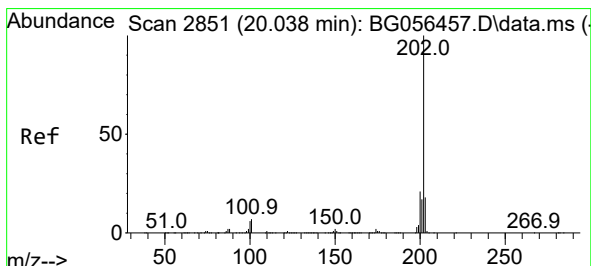
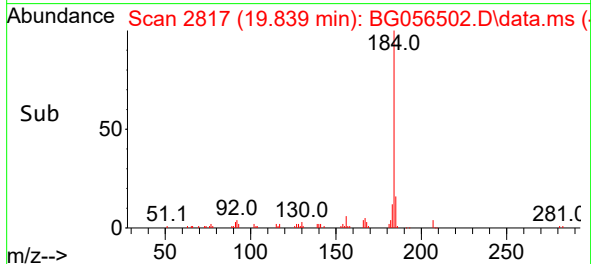
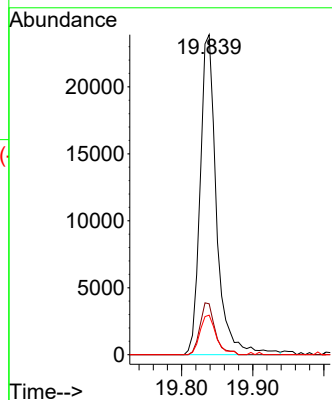
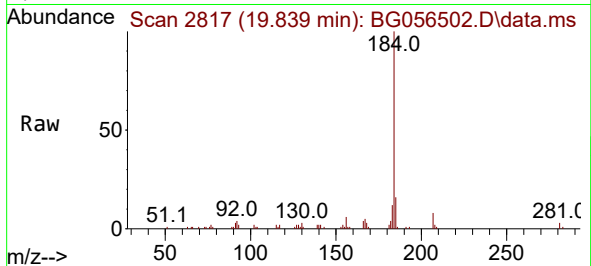




#77
Benzidine
Concen: 6.773 ng
RT: 19.839 min Scan# 2817
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

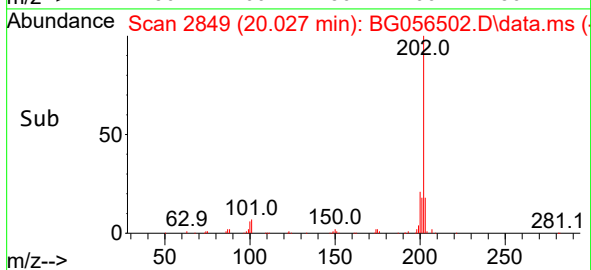
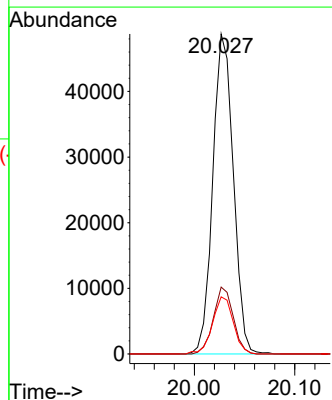
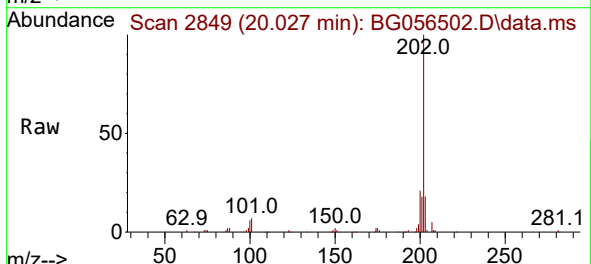
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

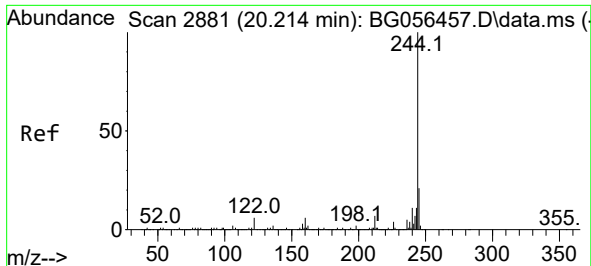
Tgt Ion:184 Resp: 38342
Ion Ratio Lower Upper
184 100
185 15.9 12.3 18.5
183 12.4 9.8 14.8



#78
Pyrene
Concen: 4.654 ng
RT: 20.027 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:202 Resp: 69243
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.9 14.4 21.6

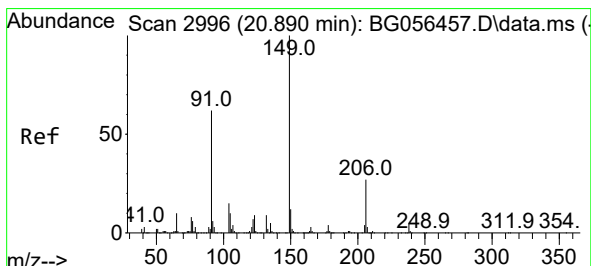
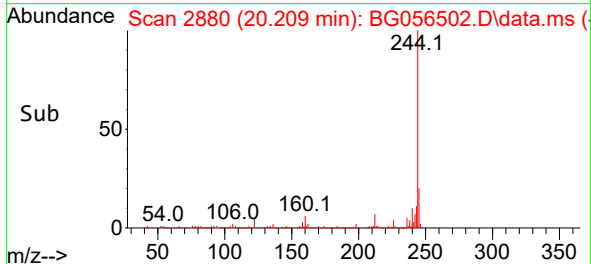
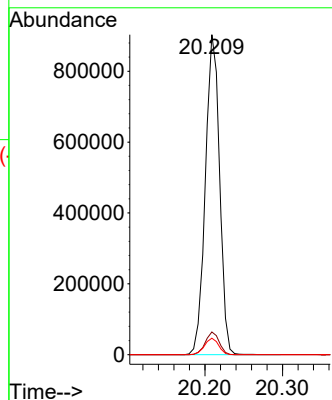
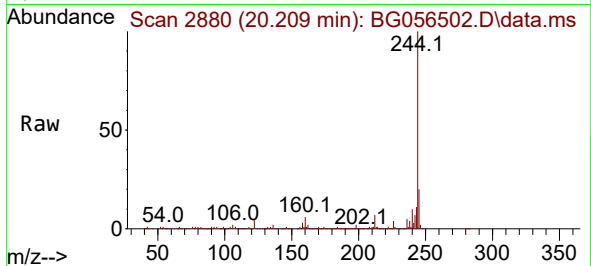




#79
 Terphenyl-d14
 Concen: 96.439 ng
 RT: 20.209 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

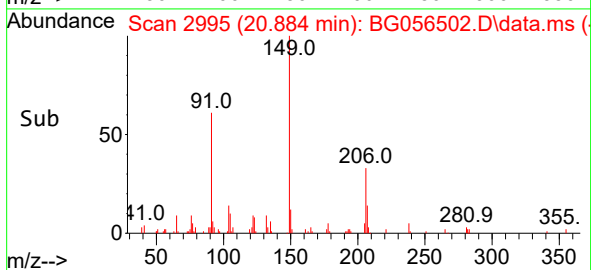
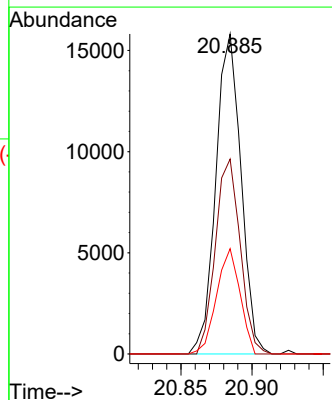
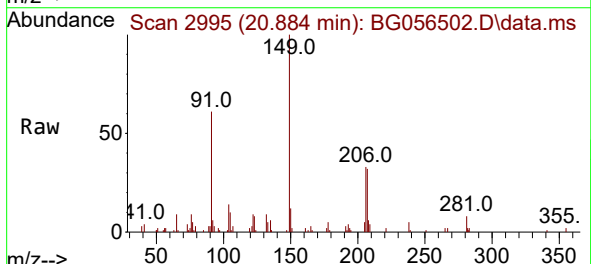
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

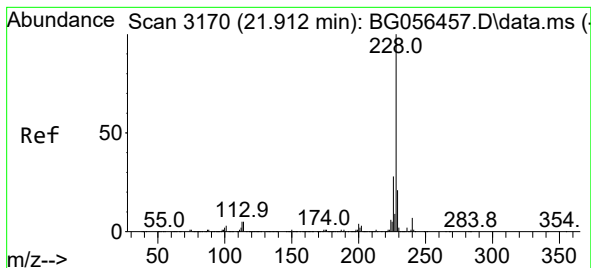
Tgt Ion:244 Resp: 1148614
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 5.2 4.4 6.6



#80
 Butylbenzylphthalate
 Concen: 4.284 ng
 RT: 20.884 min Scan# 2995
 Delta R.T. 0.000 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

Tgt Ion:149 Resp: 19464
 Ion Ratio Lower Upper
 149 100
 91 60.9 49.4 74.0
 206 32.9 22.0 33.0





#81

Benzo(a)anthracene

Concen: 4.825 ng

RT: 21.901 min Scan# 3168

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

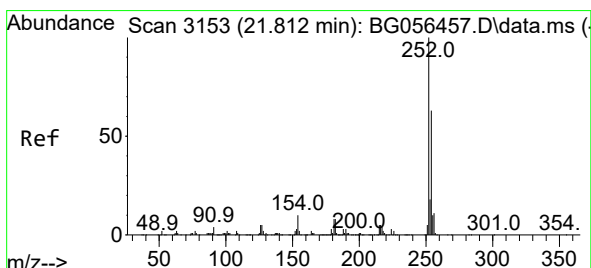
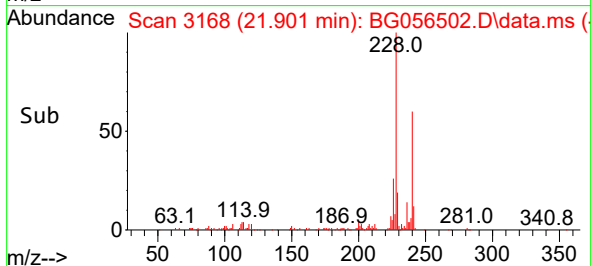
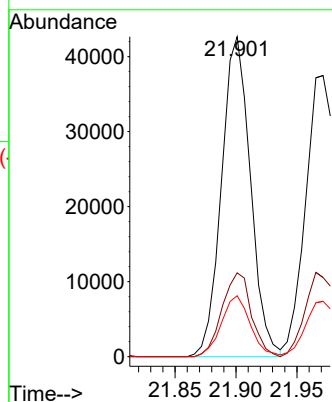
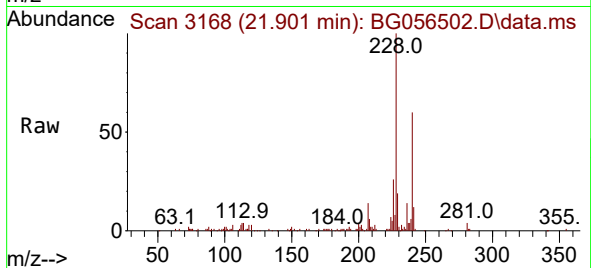
Tgt Ion:228 Resp: 70567

Ion Ratio Lower Upper

228 100

226 26.2 22.4 33.6

229 19.0 16.5 24.7



#82

3,3'-Dichlorobenzidine

Concen: 5.514 ng

RT: 21.801 min Scan# 3151

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

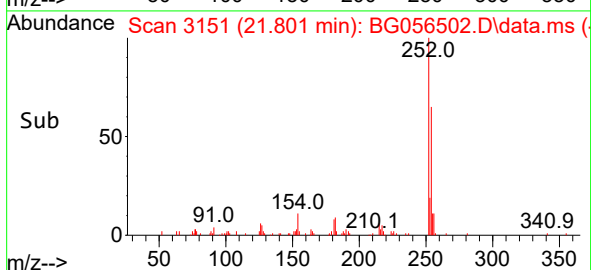
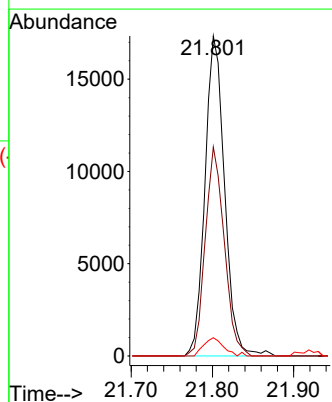
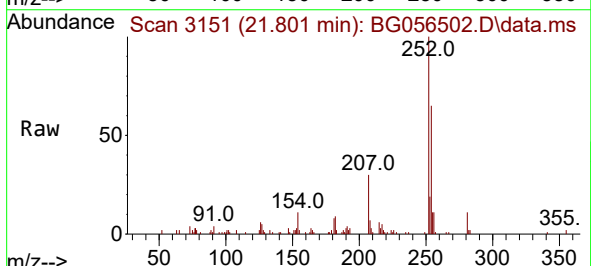
Tgt Ion:252 Resp: 29039

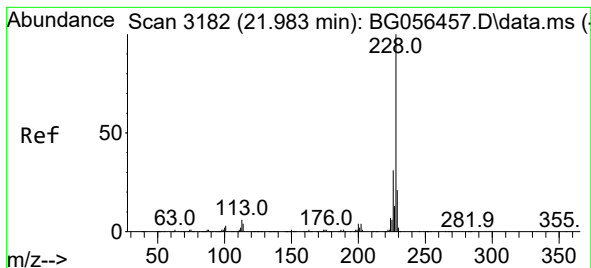
Ion Ratio Lower Upper

252 100

254 65.3 50.0 75.0

126 5.7 4.3 6.5





#83

Chrysene

Concen: 4.775 ng

RT: 21.971 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

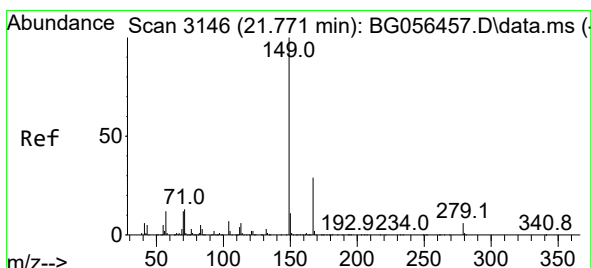
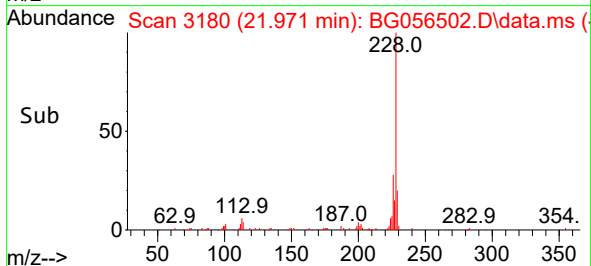
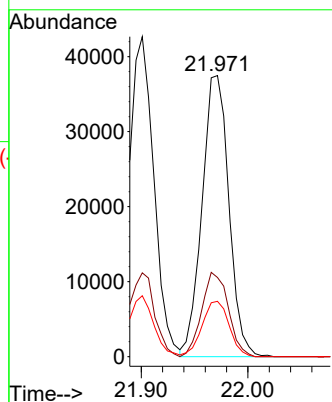
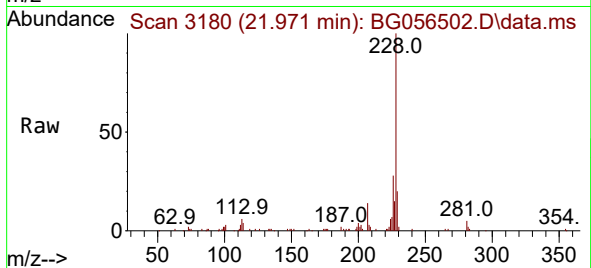
Tgt Ion:228 Resp: 65604

Ion Ratio Lower Upper

228 100

226 28.2 25.0 37.4

229 19.7 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.477 ng

RT: 21.760 min Scan# 3144

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

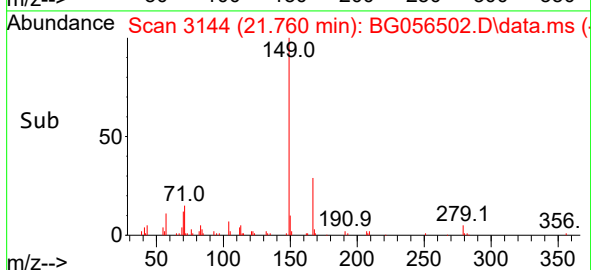
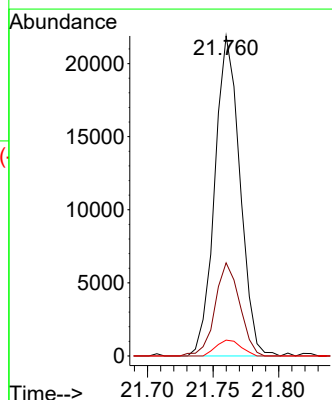
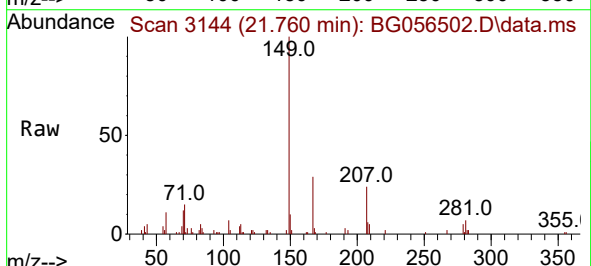
Tgt Ion:149 Resp: 29165

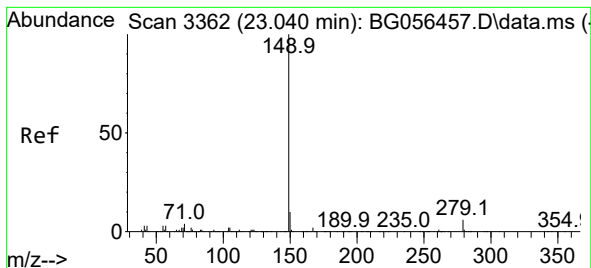
Ion Ratio Lower Upper

149 100

167 29.1 23.4 35.2

279 4.9 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 4.463 ng

RT: 23.029 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

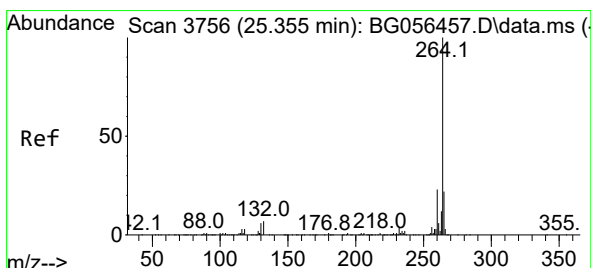
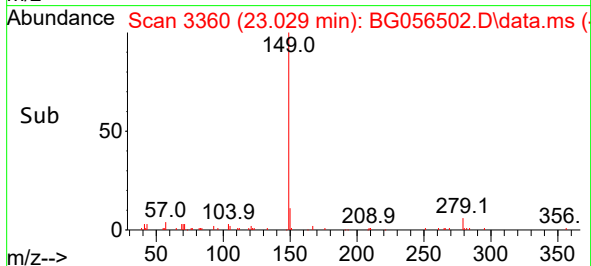
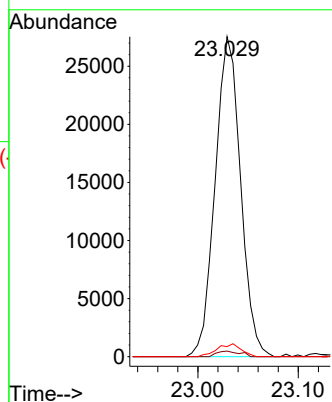
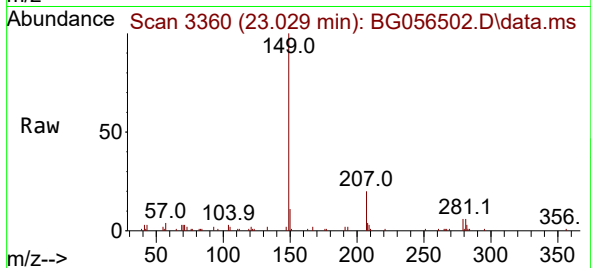
Tgt Ion:149 Resp: 48417

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 3.8 2.7 4.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.344 min Scan# 3754

Delta R.T. 0.000 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

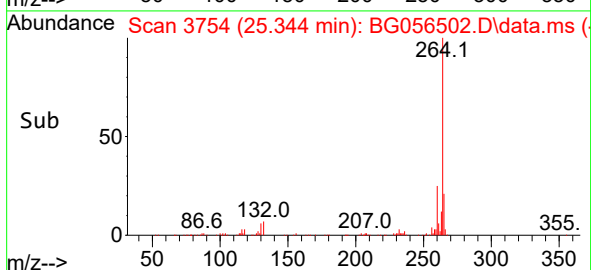
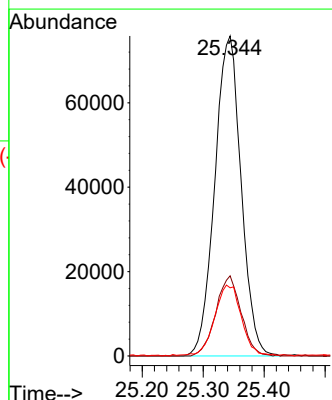
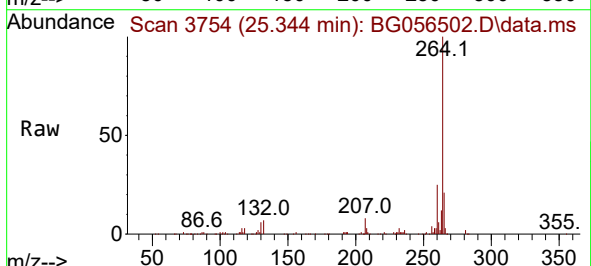
Tgt Ion:264 Resp: 227414

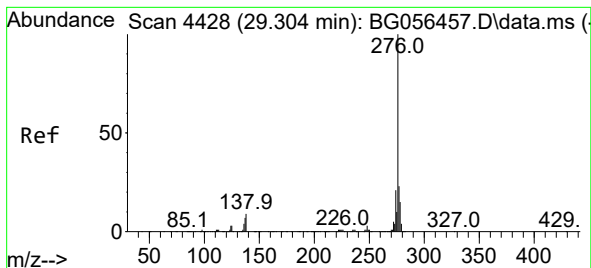
Ion Ratio Lower Upper

264 100

260 25.1 18.2 27.4

265 21.3 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.596 ng

RT: 29.269 min Scan# 4428

Delta R.T. -0.011 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

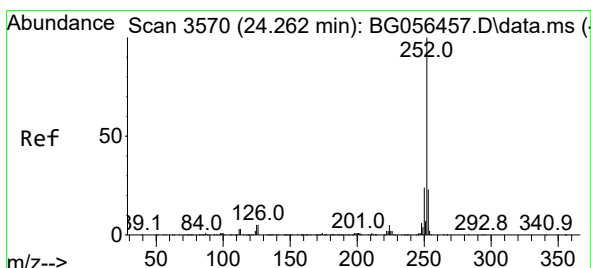
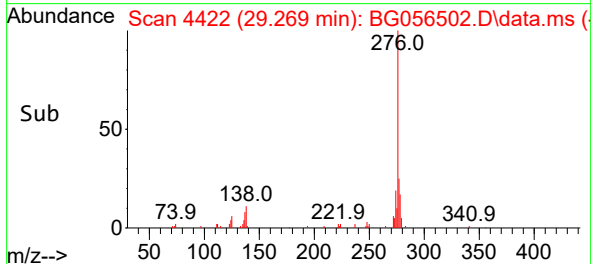
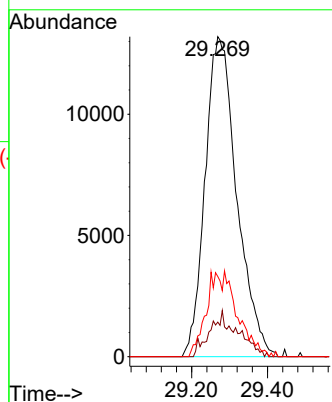
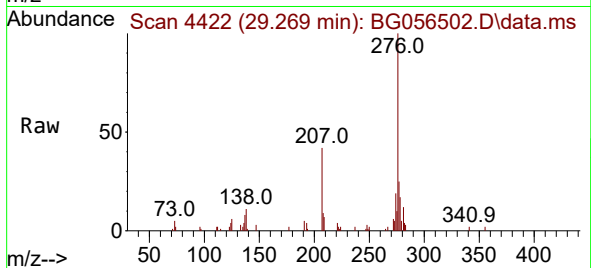
Tgt Ion:276 Resp: 76512

Ion Ratio Lower Upper

276 100

138 12.5 9.4 14.2

277 0.0 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 5.022 ng

RT: 24.245 min Scan# 3567

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

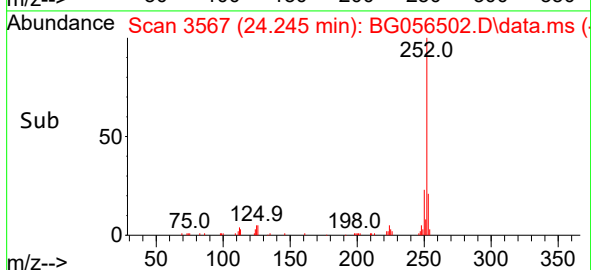
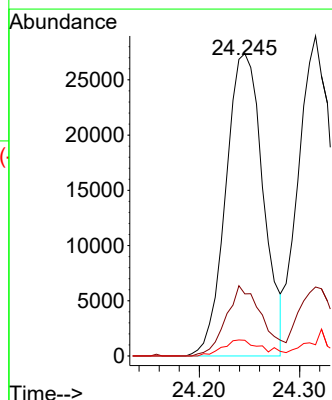
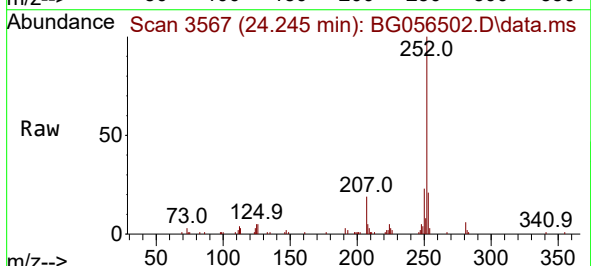
Tgt Ion:252 Resp: 70884

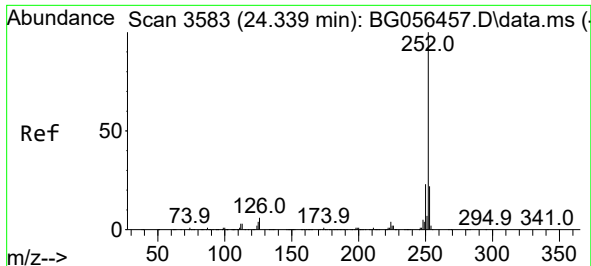
Ion Ratio Lower Upper

252 100

253 20.5 18.1 27.1

125 5.2 3.9 5.9





#89

Benzo(k)fluoranthene

Concen: 4.842 ng

RT: 24.316 min Scan# 3

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

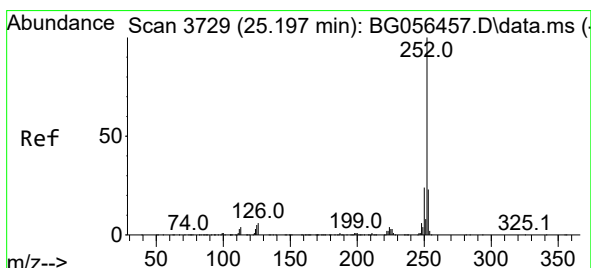
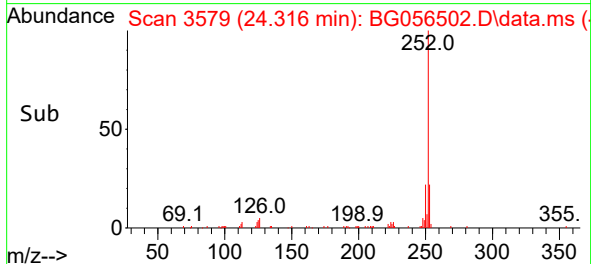
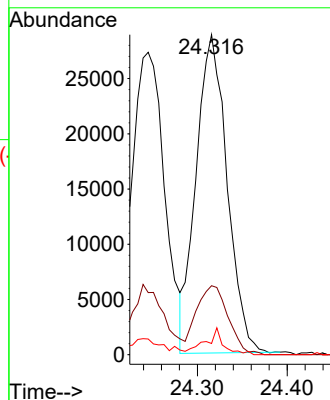
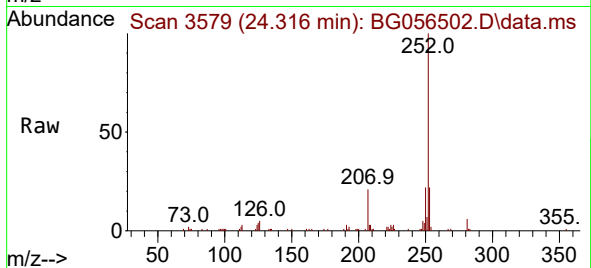
Tgt Ion:252 Resp: 69003

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 3.5 3.4 5.0



#90

Benzo(a)pyrene

Concen: 4.471 ng

RT: 25.179 min Scan# 3726

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

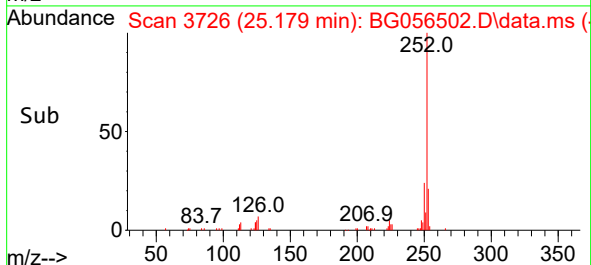
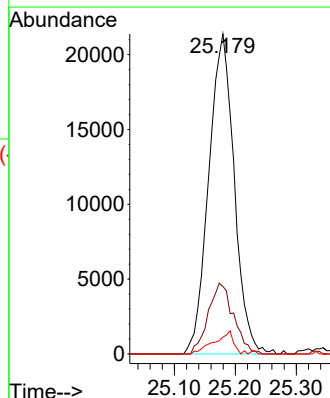
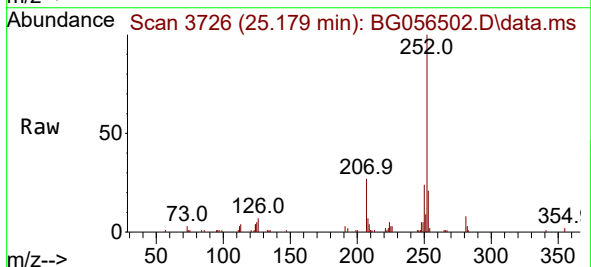
Tgt Ion:252 Resp: 62165

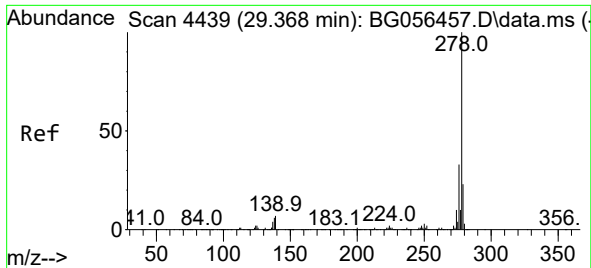
Ion Ratio Lower Upper

252 100

253 21.1 18.4 27.6

125 5.3 4.1 6.1

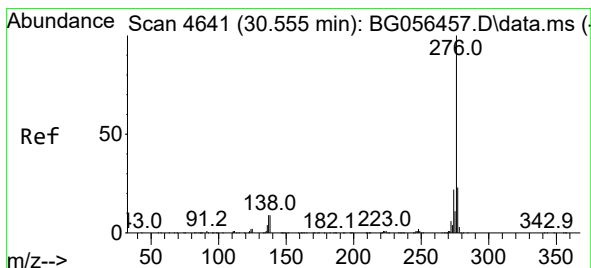
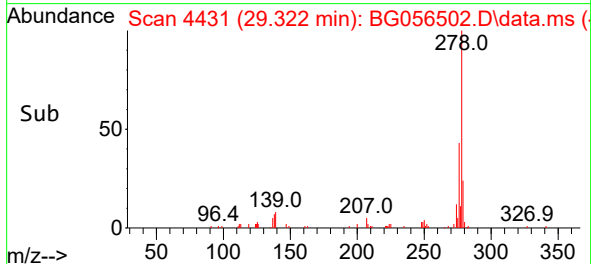
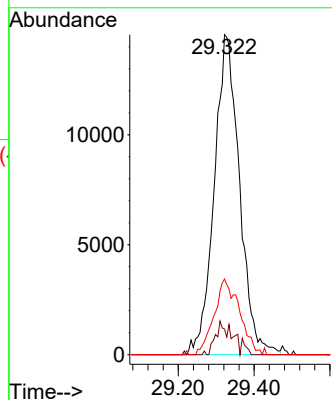
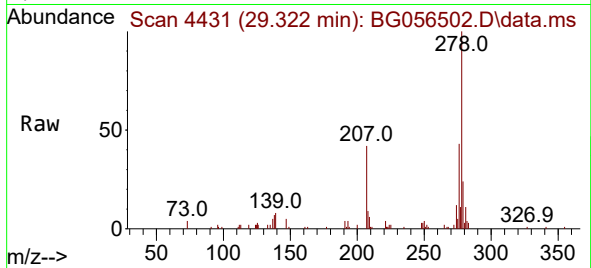




#91
 Dibenzo(a,h)anthracene
 Concen: 4.824 ng
 RT: 29.322 min Scan# 4439
 Delta R.T. -0.023 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Tgt Ion:278 Resp: 67408
 Ion Ratio Lower Upper
 278 100
 139 8.0 5.5 8.3
 279 23.7 18.8 28.2



#92
 Benzo(g,h,i)perylene
 Concen: 4.886 ng
 RT: 30.503 min Scan# 4632
 Delta R.T. -0.023 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

Tgt Ion:276 Resp: 65875
 Ion Ratio Lower Upper
 276 100
 277 21.5 18.5 27.7
 138 9.2 7.4 11.0

