

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040323\
 Data File : BG056953.D
 Acq On : 3 Apr 2023 11:47
 Operator : CG/JU
 Sample : 01627-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023

Quant Time: Apr 04 04:53:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	16388	20.000	ng	0.00
21) Naphthalene-d8	11.257	136	68547	20.000	ng	# 0.00
39) Acenaphthene-d10	15.028	164	53681	20.000	ng	0.00
64) Phenanthrene-d10	17.772	188	135337	20.000	ng	0.00
76) Chrysene-d12	22.095	240	127220	20.000	ng	0.00
86) Perylene-d12	25.638	264	139644	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	105363	102.897	ng	0.00
7) Phenol-d6	7.539	99	154320	100.766	ng	0.00
23) Nitrobenzene-d5	9.589	82	126409	75.457	ng	0.00
42) 2,4,6-Tribromophenol	16.509	330	91989	107.267	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	302372	76.381	ng	0.00
79) Terphenyl-d14	20.339	244	584277	77.715	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.726	88	3395	7.563	ng	89
3) Pyridine	4.155	79	8873	6.137	ng	90
4) n-Nitrosodimethylamine	4.055	42	4468	6.722	ng	# 76
6) Aniline	7.727	93	13399	6.844	ng	# 89
8) 2-Chlorophenol	7.967	128	6964	6.828	ng	86
9) Benzaldehyde	7.539	77	9225	9.604	ng	# 87
10) Phenol	7.562	94	11043	7.277	ng	93
11) bis(2-Chloroethyl)ether	7.809	93	7506	6.944	ng	97
12) 1,3-Dichlorobenzene	8.302	146	8624	7.652	ng	93
13) 1,4-Dichlorobenzene	8.449	146	8453	7.432	ng	94
14) 1,2-Dichlorobenzene	8.772	146	8135	7.403	ng	90
15) Benzyl Alcohol	8.643	79	8331	6.547	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.931	45	9733	7.471	ng	94
17) 2-Methylphenol	8.837	107	7342	6.782	ng	90
18) Hexachloroethane	9.518	117	2886	6.942	ng	# 80
19) n-Nitroso-di-n-propyla...	9.213	70	7943	7.251	ng	# 95
20) 3+4-Methylphenols	9.166	107	10045	6.635	ng	97
22) Acetophenone	9.236	105	14271	6.997	ng	# 89
24) Nitrobenzene	9.636	77	12527	7.314	ng	# 84
25) Isophorone	10.153	82	21688	6.799	ng	97
26) 2-Nitrophenol	10.352	139	4248	6.426	ng	# 86
27) 2,4-Dimethylphenol	10.394	122	7804	6.686	ng	98
28) bis(2-Chloroethoxy)met...	10.629	93	11034	6.909	ng	96
29) 2,4-Dichlorophenol	10.893	162	7932	6.319	ng	97
30) 1,2,4-Trichlorobenzene	11.110	180	9901	7.423	ng	97
31) Naphthalene	11.310	128	25235	6.754	ng	95
32) Benzoic acid	10.458	122	3364	4.196	ng	94
33) 4-Chloroaniline	11.404	127	10868	6.440	ng	99
34) Hexachlorobutadiene	11.586	225	6879	6.866	ng	98
35) Caprolactam	12.138	113	2889	6.673	ng	# 85
36) 4-Chloro-3-methylphenol	12.491	107	8633	6.150	ng	# 81
37) 2-Methylnaphthalene	12.878	142	20097	6.777	ng	94
38) 1-Methylnaphthalene	12.878	142	20097	7.218	ng	88
40) 1,2,4,5-Tetrachloroben...	13.237	216	13448	7.224	ng	99
41) Hexachlorocyclopentadiene	13.219	237	7247	7.066	ng	94
43) 2,4,6-Trichlorophenol	13.472	196	7729	6.506	ng	98

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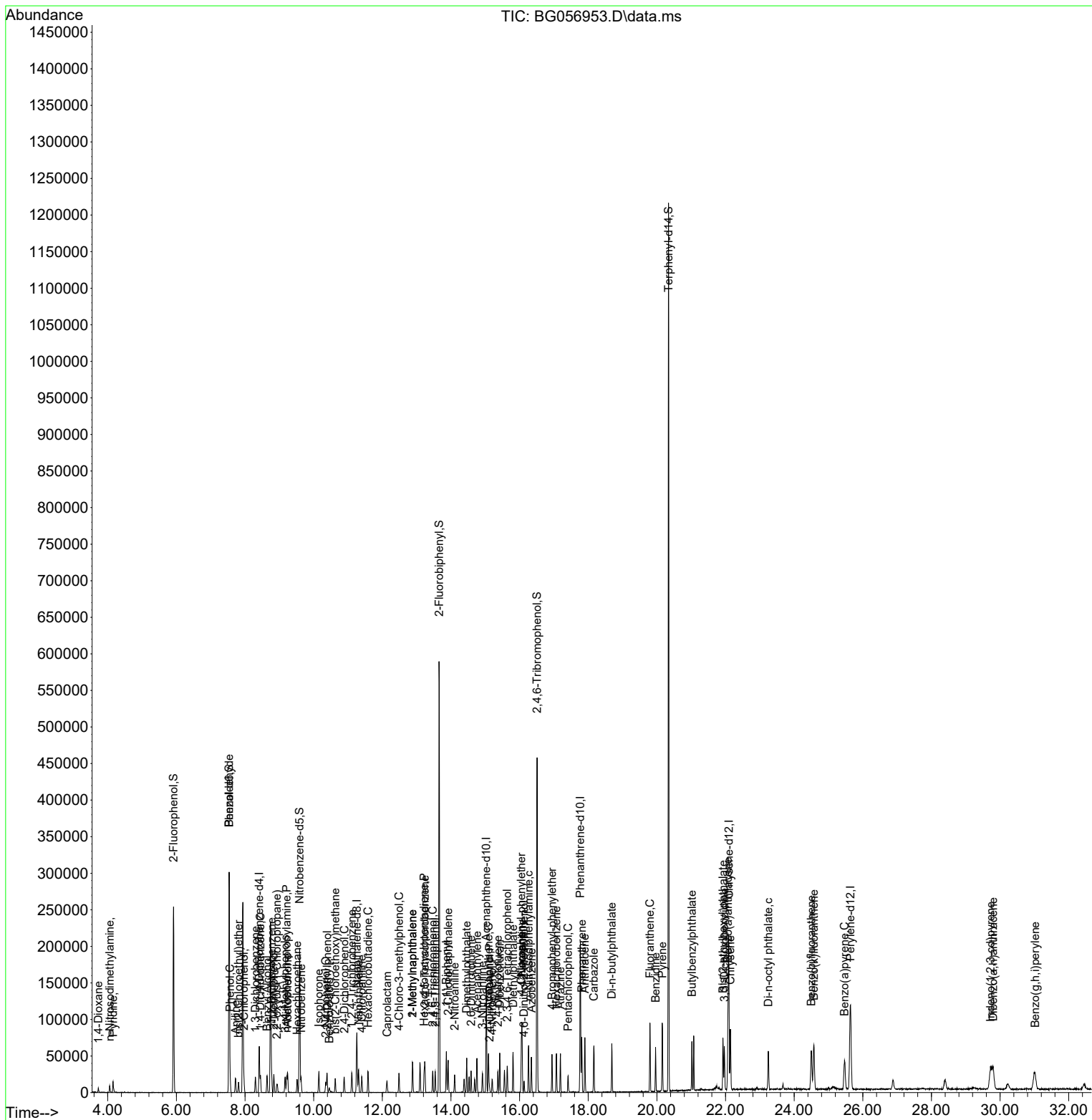
Quant Time: Apr 04 04:53:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
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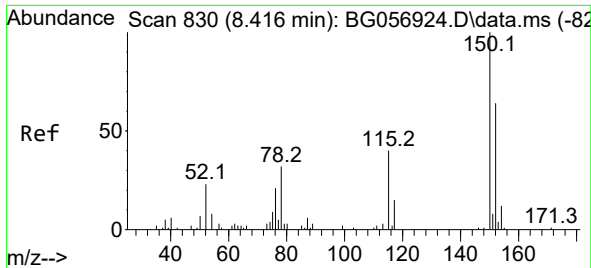
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.542	196	8518	6.053	ng	96
46) 1,1'-Biphenyl	13.865	154	27634	7.032	ng	93
47) 2-Chloronaphthalene	13.918	162	20497	7.053	ng	97
48) 2-Nitroaniline	14.106	65	6587	6.338	ng	94
49) Acenaphthylene	14.758	152	33347	6.983	ng	97
50) Dimethylphthalate	14.459	163	29283	6.923	ng	# 99
51) 2,6-Dinitrotoluene	14.588	165	5874	6.428	ng	97
52) Acenaphthene	15.093	154	21475	6.521	ng	92
53) 3-Nitroaniline	14.917	138	5990	6.622	ng	91
54) 2,4-Dinitrophenol	15.122	184	2515	4.889	ng	94
55) Dibenzofuran	15.422	168	35515	7.185	ng	97
56) 4-Nitrophenol	15.205	139	4403	6.583	ng	86
57) 2,4-Dinitrotoluene	15.369	165	8474	6.575	ng	# 97
58) Fluorene	16.068	166	29698	7.261	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.639	232	8823	6.886	ng	# 91
60) Diethylphthalate	15.810	149	29430	6.941	ng	95
61) 4-Chlorophenyl-phenyle...	16.051	204	16729	6.966	ng	96
62) 4-Nitroaniline	16.074	138	6997	7.466	ng	# 71
63) Azobenzene	16.344	77	28391	6.719	ng	99
65) 4,6-Dinitro-2-methylph...	16.127	198	4229	5.159	ng	96
66) n-Nitrosodiphenylamine	16.262	169	23996	6.605	ng	95
67) 4-Bromophenyl-phenylether	16.944	248	11106	6.632	ng	95
68) Hexachlorobenzene	17.073	284	12341	7.454	ng	94
69) Atrazine	17.190	200	10792	7.156	ng	96
70) Pentachlorophenol	17.413	266	5055	4.256	ng	# 80
71) Phenanthrene	17.813	178	46870	6.793	ng	99
72) Anthracene	17.901	178	49599	7.012	ng	96
73) Carbazole	18.165	167	42915	6.959	ng	97
74) Di-n-butylphthalate	18.688	149	47604	6.666	ng	98
75) Fluoranthene	19.798	202	58281	6.663	ng	99
77) Benzidine	19.963	184	33395	9.604	ng	98
78) Pyrene	20.157	202	59699	6.785	ng	98
80) Butylbenzylphthalate	21.020	149	19696	6.505	ng	93
81) Benzo(a)anthracene	22.072	228	60751	6.901	ng	96
82) 3,3'-Dichlorobenzidine	21.966	252	23823	8.014	ng	99
83) Chrysene	22.142	228	57843	7.017	ng	99
84) Bis(2-ethylhexyl)phtha...	21.925	149	29202	6.660	ng	93
85) Di-n-octyl phthalate	23.247	149	48194	6.523	ng	98
87) Indeno(1,2,3-cd)pyrene	29.720	276	72298	7.005	ng	# 82
88) Benzo(b)fluoranthene	24.498	252	60778	6.960	ng	95
89) Benzo(k)fluoranthene	24.574	252	63433	7.276	ng	97
90) Benzo(a)pyrene	25.467	252	53502	6.235	ng	93
91) Dibenzo(a,h)anthracene	29.797	278	59580	7.023	ng	# 92
92) Benzo(g,h,i)perylene	31.019	276	56772	6.835	ng	98

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

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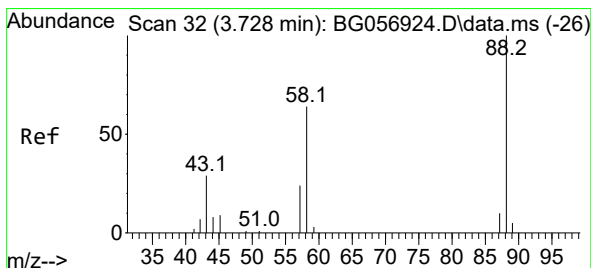
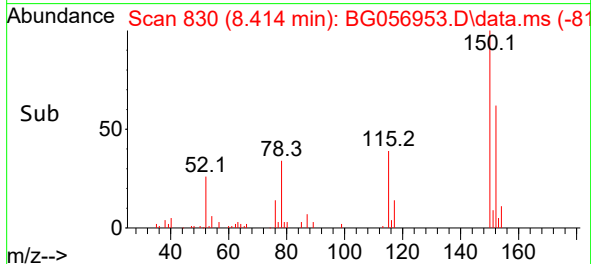
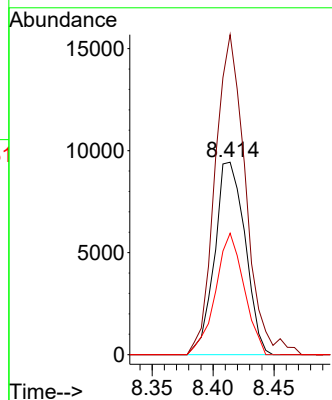
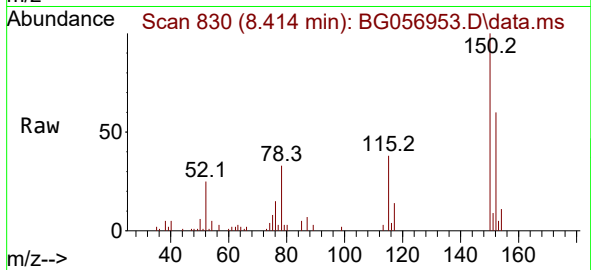




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.414 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

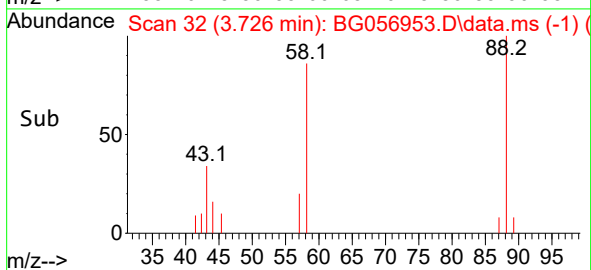
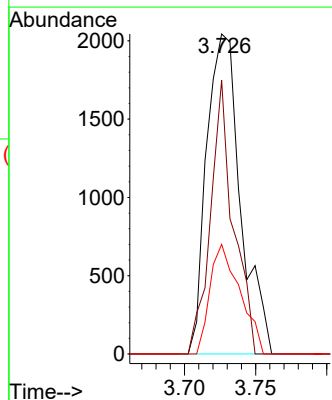
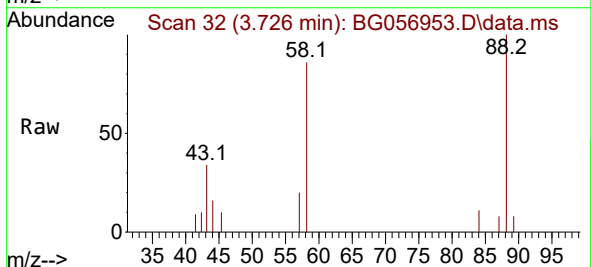
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion:152 Resp: 16388
Ion Ratio Lower Upper
152 100
150 166.3 124.1 186.1
115 63.1 49.1 73.7



#2
1,4-Dioxane
Concen: 7.563 ng
RT: 3.726 min Scan# 32
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion: 88 Resp: 3395
Ion Ratio Lower Upper
88 100
58 57.8 55.9 83.9
43 30.3 25.7 38.5



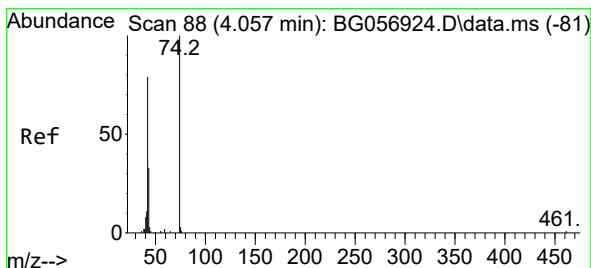
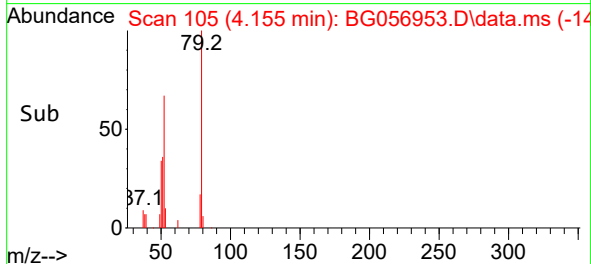
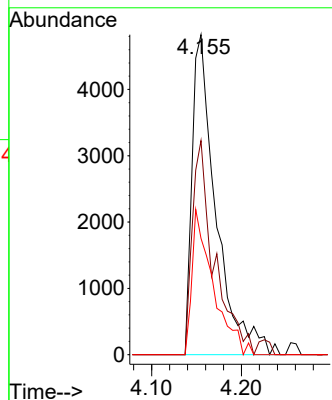
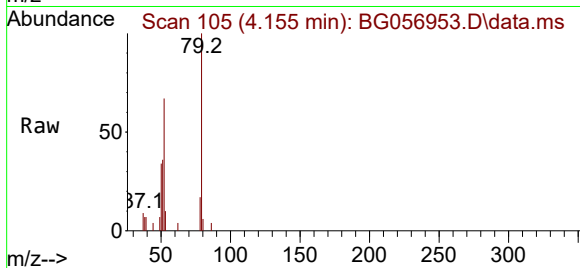


#3
 Pyridine
 Concen: 6.137 ng
 RT: 4.155 min Scan# 104
 Delta R.T. 0.004 min
 Lab File: BG056953.D
 Acq: 3 Apr 2023 11:47

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023

Tgt Ion: 79 Resp: 8873

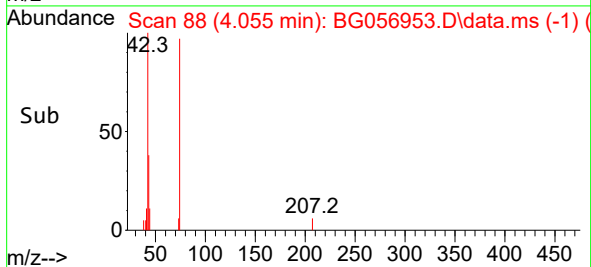
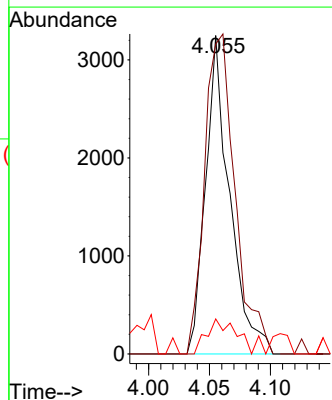
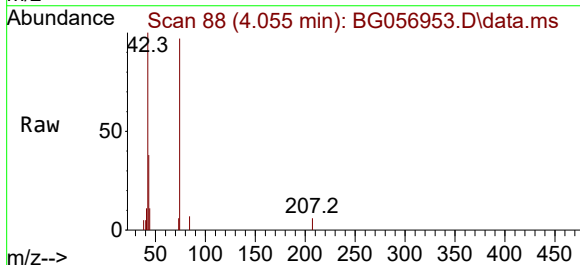
Ion	Ratio	Lower	Upper
79	100		
52	66.9	46.1	69.1
51	36.4	26.1	39.1

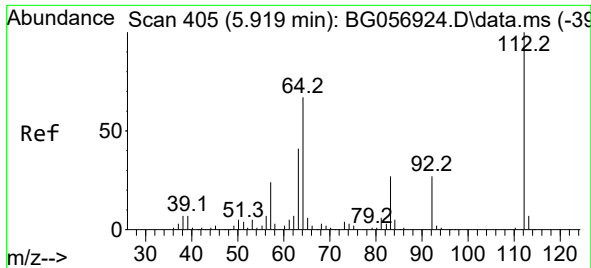


#4
 n-Nitrosodimethylamine
 Concen: 6.722 ng
 RT: 4.055 min Scan# 88
 Delta R.T. -0.002 min
 Lab File: BG056953.D
 Acq: 3 Apr 2023 11:47

Tgt Ion: 42 Resp: 4468

Ion	Ratio	Lower	Upper
42	100		
74	97.4	100.6	151.0#
44	11.0	4.6	7.0#

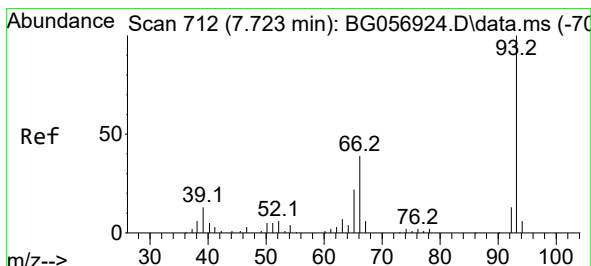
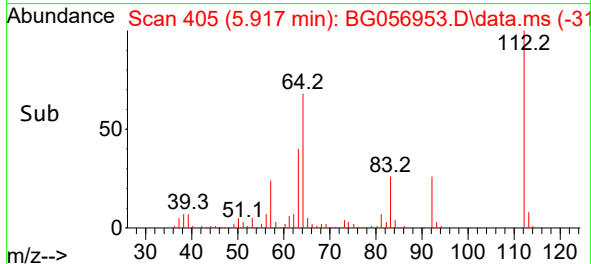
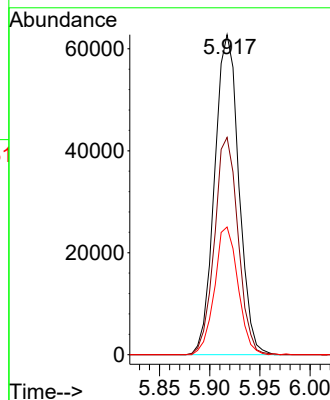
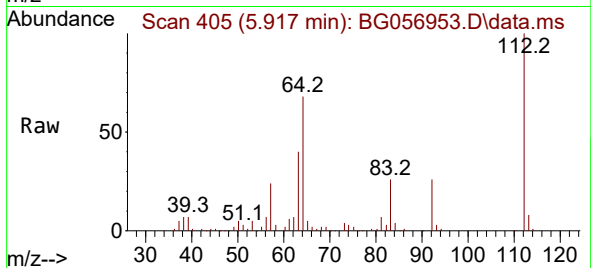




#5
2-Fluorophenol
Concen: 102.897 ng
RT: 5.917 min Scan# 405
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

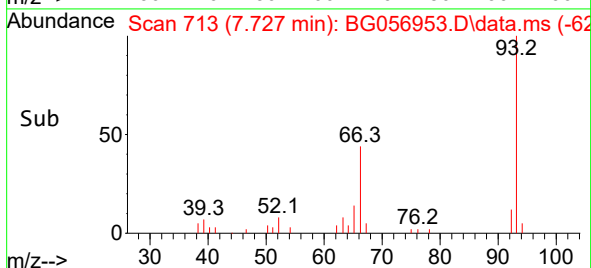
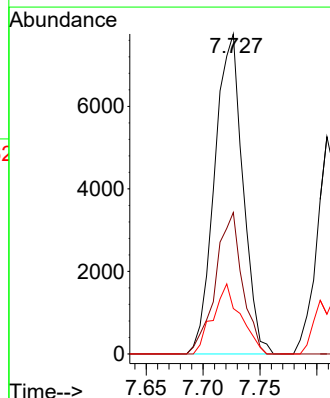
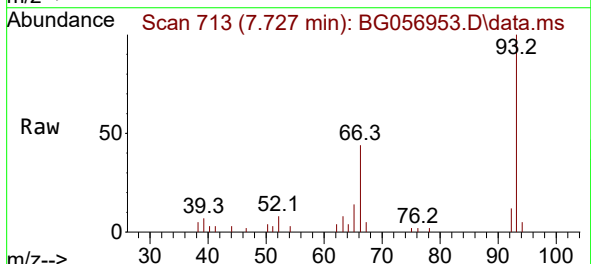
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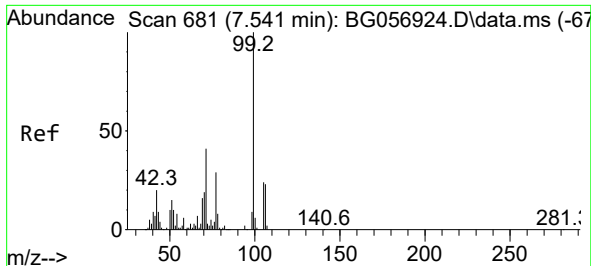
Tgt Ion:112 Resp: 105363
Ion Ratio Lower Upper
112 100
64 67.9 53.2 79.8
63 39.9 32.6 48.8



#6
Aniline
Concen: 6.844 ng
RT: 7.727 min Scan# 713
Delta R.T. 0.004 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion: 93 Resp: 13399
Ion Ratio Lower Upper
93 100
66 44.2 31.4 47.0
65 14.2 17.3 25.9#

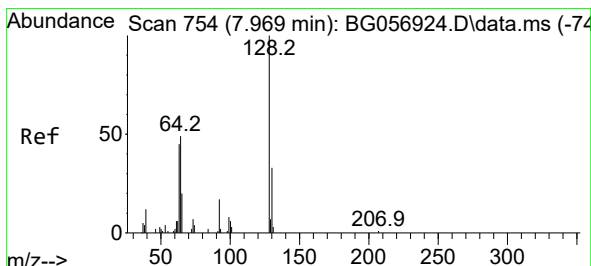
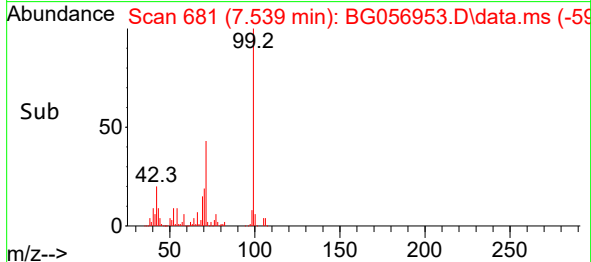
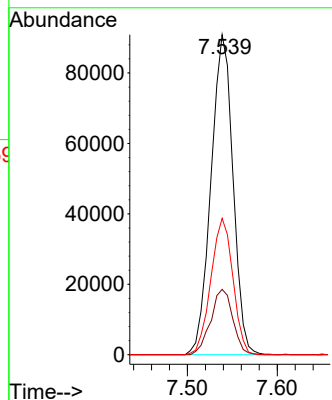
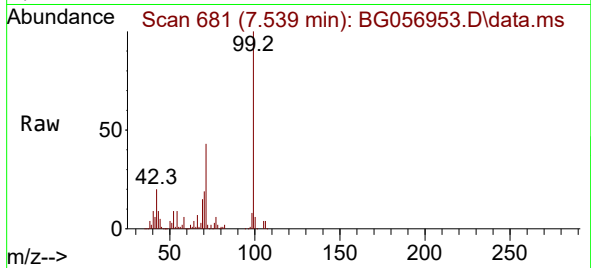




#7
Phenol-d6
Concen: 100.766 ng
RT: 7.539 min Scan# 681
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

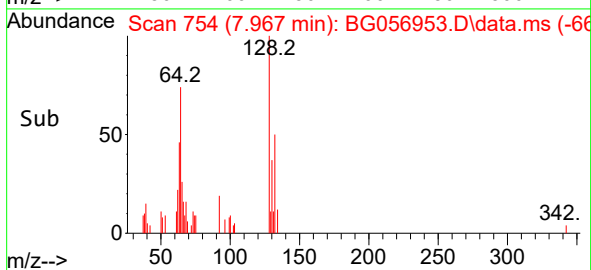
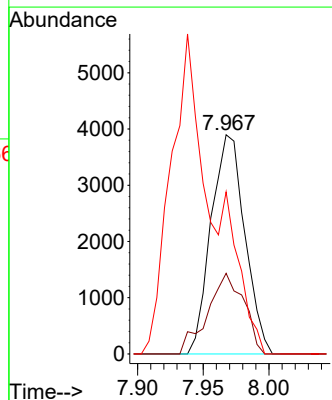
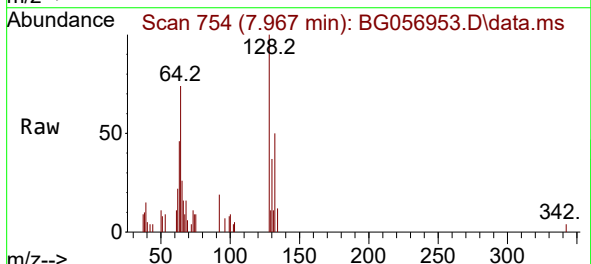
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Tgt Ion: 99 Resp: 154320
Ion Ratio Lower Upper
99 100
42 20.4 15.7 23.5
71 42.6 32.5 48.7



#8
2-Chlorophenol
Concen: 6.828 ng
RT: 7.967 min Scan# 754
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:128 Resp: 6964
Ion Ratio Lower Upper
128 100
130 36.8 12.6 52.6
64 73.9 40.6 80.6

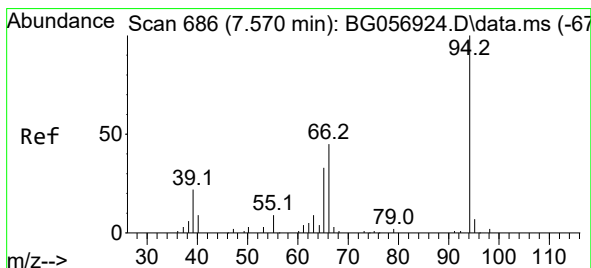
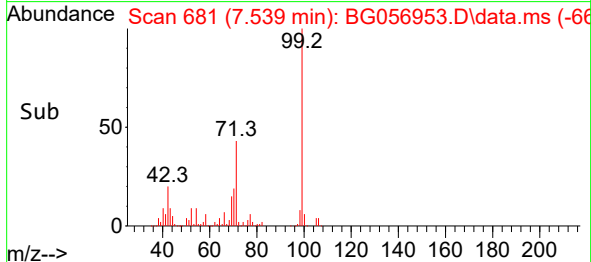
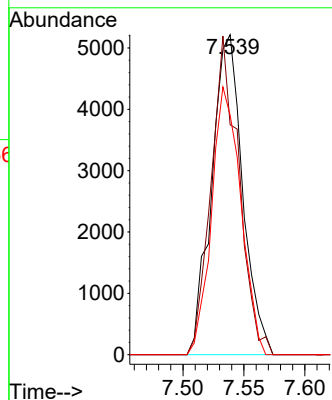
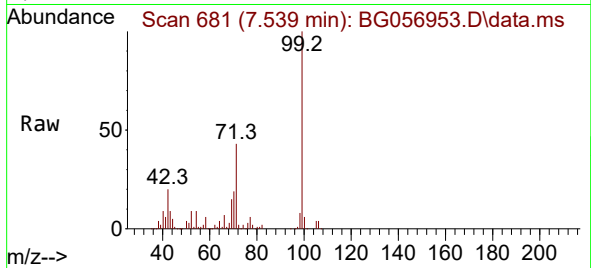




#9
Benzaldehyde
Concen: 9.604 ng
RT: 7.539 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

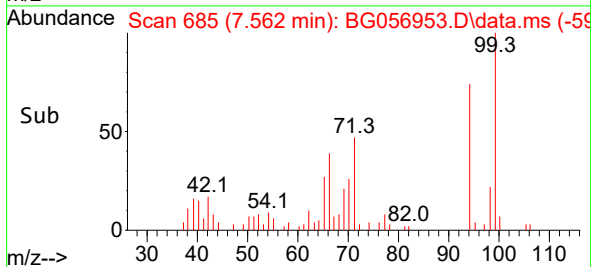
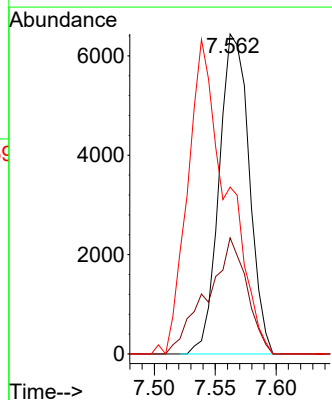
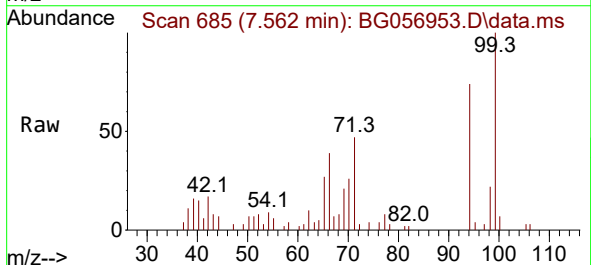
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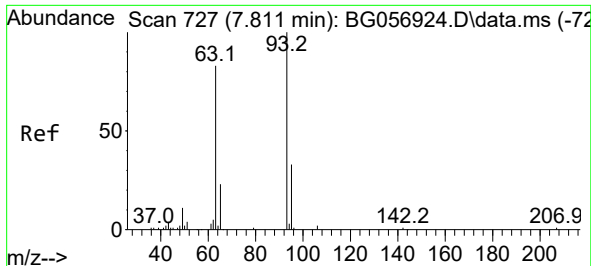
Tgt Ion: 77 Resp: 9225
Ion Ratio Lower Upper
77 100
105 71.8 73.6 113.6#
106 74.9 56.7 96.7



#10
Phenol
Concen: 7.277 ng
RT: 7.562 min Scan# 685
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion: 94 Resp: 11043
Ion Ratio Lower Upper
94 100
65 36.3 13.3 53.3
66 52.2 26.7 66.7

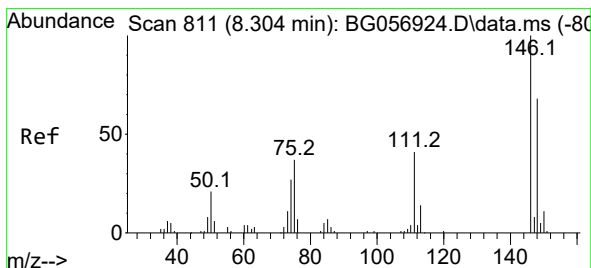
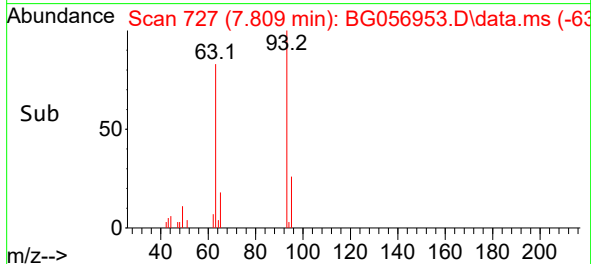
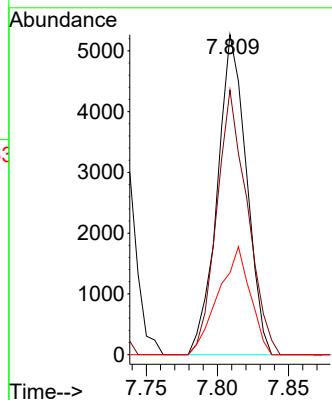
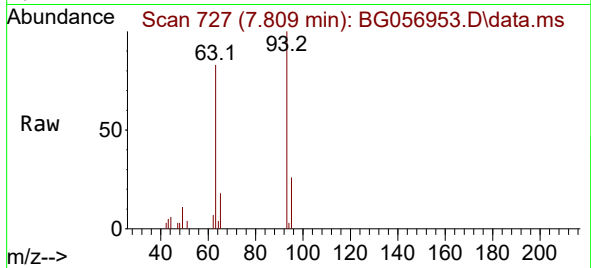




#11
bis(2-Chloroethyl)ether
Concen: 6.944 ng
RT: 7.809 min Scan# 727
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

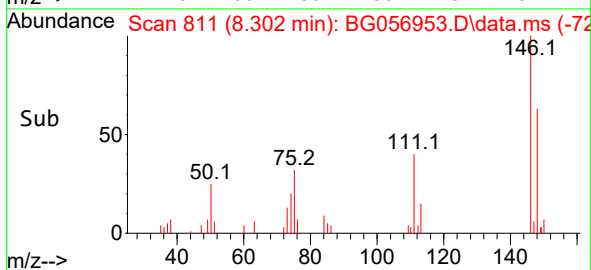
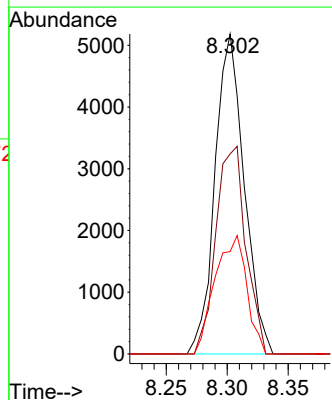
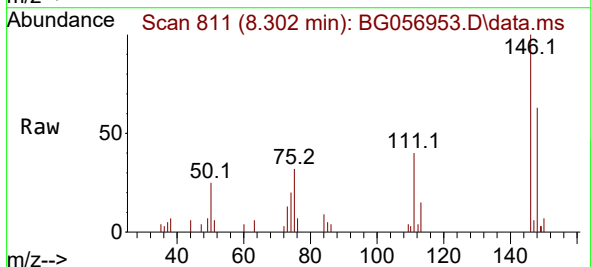
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion: 93 Resp: 7506
Ion Ratio Lower Upper
93 100
63 82.7 62.7 102.7
95 25.5 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 7.652 ng
RT: 8.302 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion: 146 Resp: 8624
Ion Ratio Lower Upper
146 100
148 62.5 54.2 81.4
75 32.0 29.8 44.8





#13

1,4-Dichlorobenzene

Concen: 7.432 ng

RT: 8.449 min Scan# 81

Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

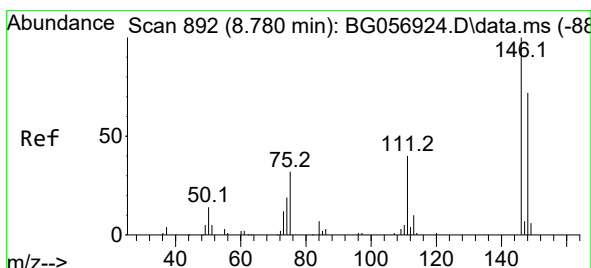
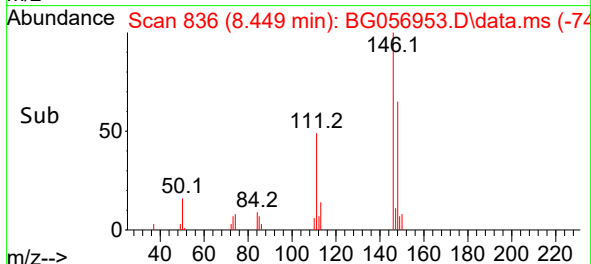
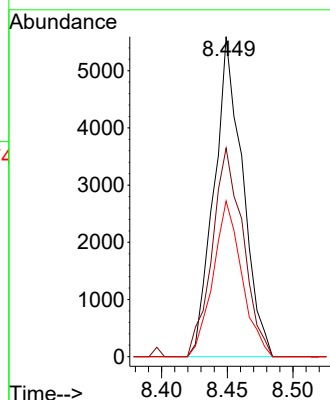
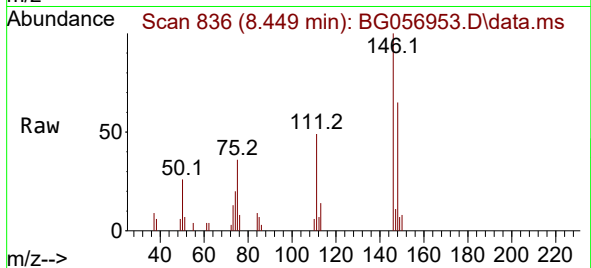
Tgt Ion:146 Resp: 8453

Ion Ratio Lower Upper

146 100

148 65.2 54.8 82.2

111 48.6 34.6 52.0



#14

1,2-Dichlorobenzene

Concen: 7.403 ng

RT: 8.772 min Scan# 891

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

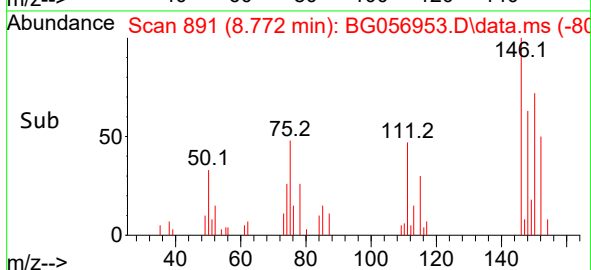
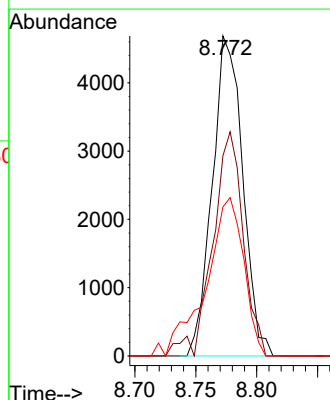
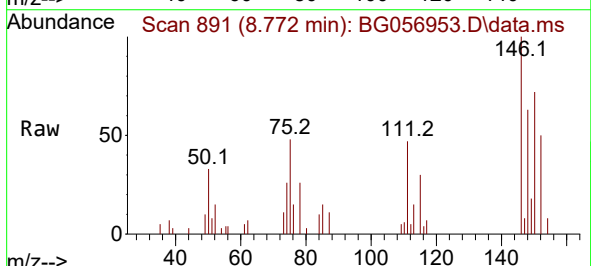
Tgt Ion:146 Resp: 8135

Ion Ratio Lower Upper

146 100

148 62.5 57.4 86.0

111 46.5 33.2 49.8

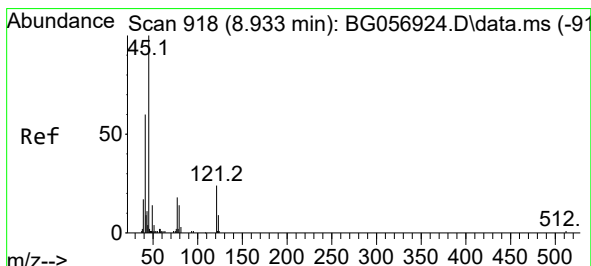
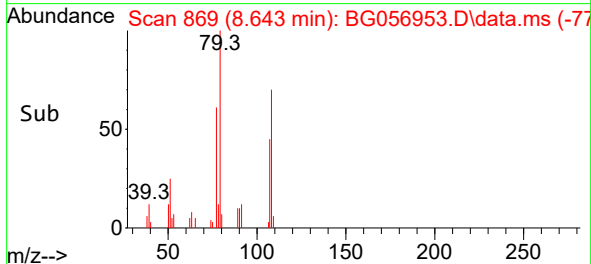
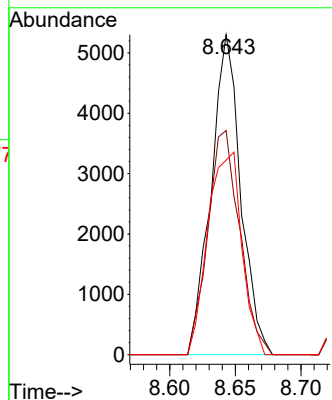
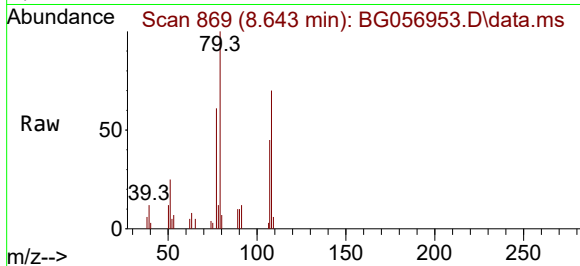




#15
Benzyl Alcohol
Concen: 6.547 ng
RT: 8.643 min Scan# 869
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

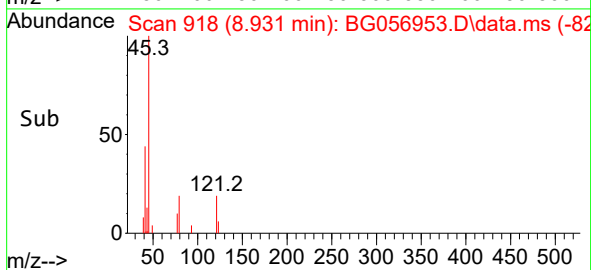
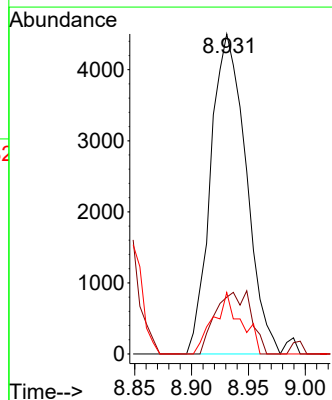
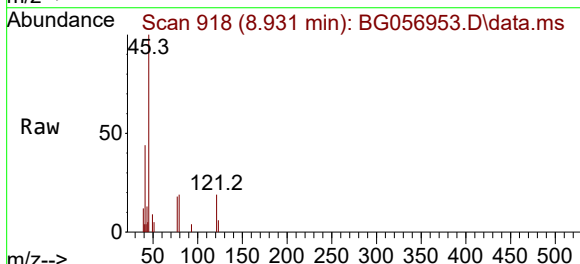
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion: 79	Resp: 8331		
Ion Ratio	Lower	Upper	
79 100			
108 70.0	51.2	76.8	
77 60.8	54.4	81.6	



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.471 ng
RT: 8.931 min Scan# 918
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion: 45	Resp: 9733
Ion Ratio	Lower Upper
45 100	
77 17.8	0.0 38.7
79 19.2	0.0 35.1





#17

2-Methylphenol

Concen: 6.782 ng

RT: 8.837 min Scan# 903

Delta R.T. -0.008 min

Lab File: BG056953.D

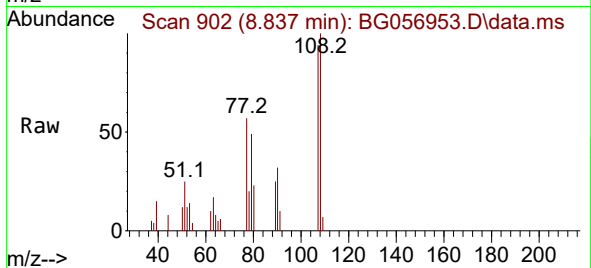
Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



Tgt Ion:107 Resp: 7342

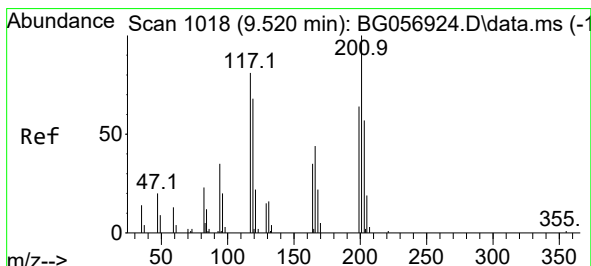
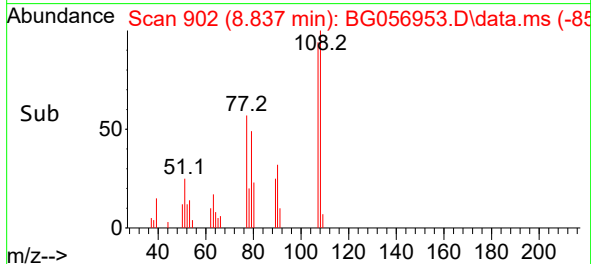
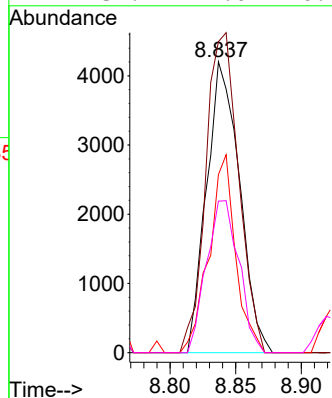
Ion Ratio Lower Upper

107 100

108 106.9 96.0 144.0

77 61.2 45.6 68.4

79 52.1 47.0 70.4



#18

Hexachloroethane

Concen: 6.942 ng

RT: 9.518 min Scan# 1018

Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

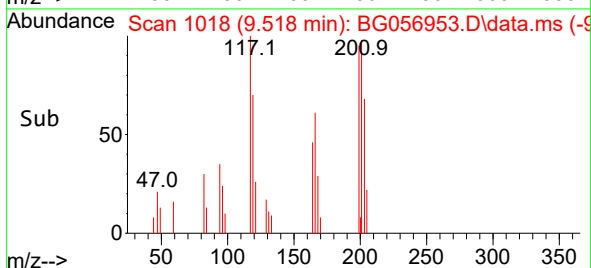
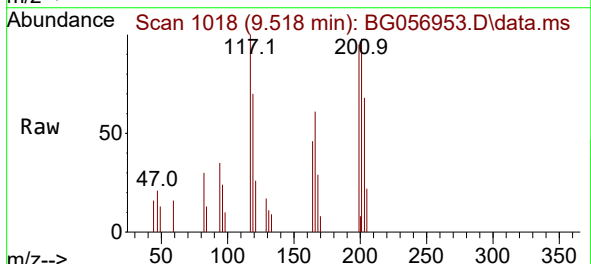
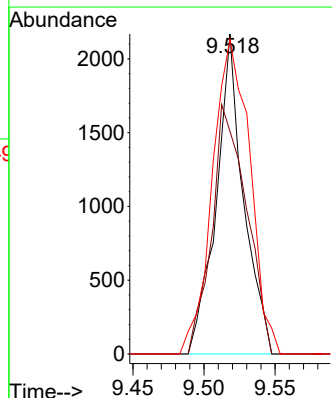
Tgt Ion:117 Resp: 2886

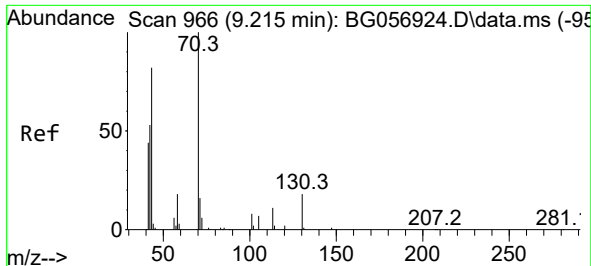
Ion Ratio Lower Upper

117 100

119 69.6 67.0 100.6

201 98.3 98.7 148.1#

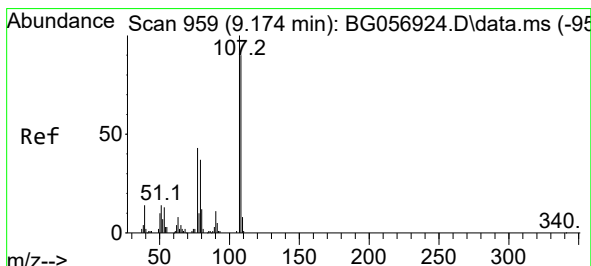
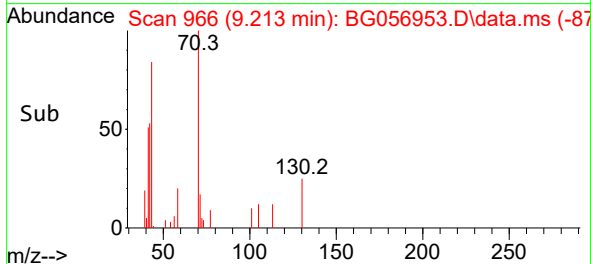
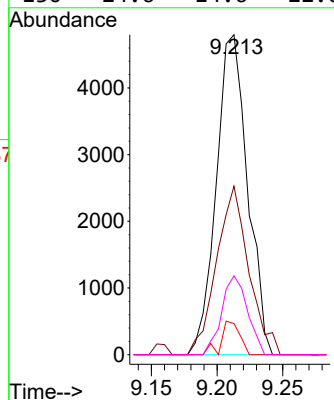
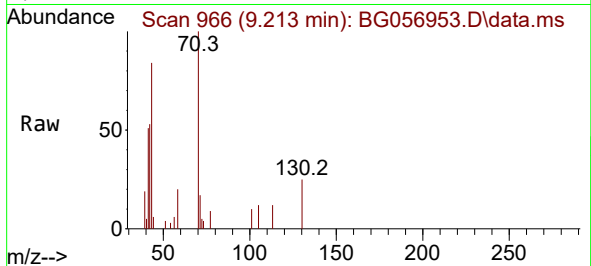




#19
n-Nitroso-di-n-propylamine
Concen: 7.251 ng
RT: 9.213 min Scan# 90
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

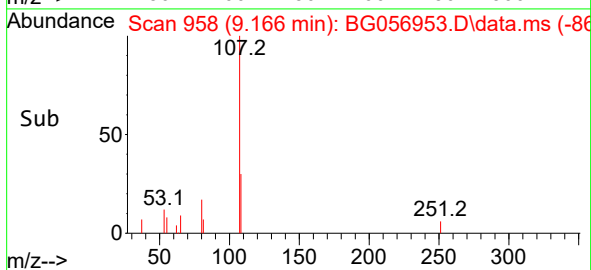
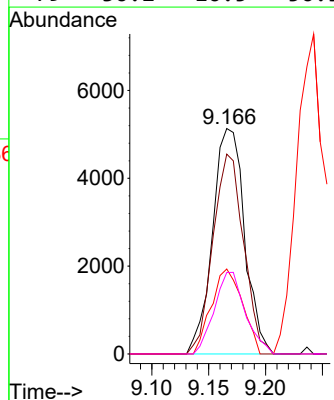
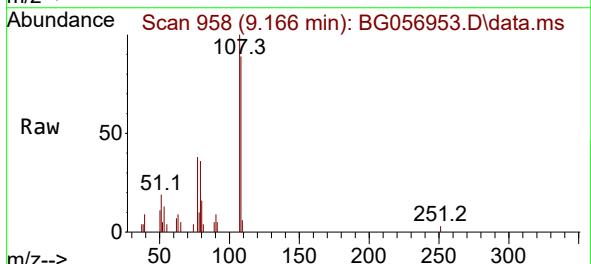
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

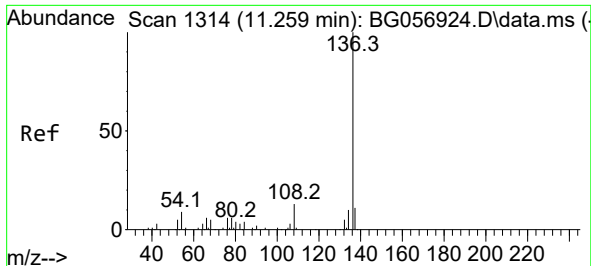
Tgt Ion: 70 Resp: 7943
Ion Ratio Lower Upper
70 100
42 52.7 43.4 65.0
101 9.7 6.2 9.2#
130 24.6 14.6 22.0#



#20
3+4-Methylphenols
Concen: 6.635 ng
RT: 9.166 min Scan# 958
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion: 107 Resp: 10045
Ion Ratio Lower Upper
107 100
108 88.6 69.9 109.9
77 37.7 22.7 62.7
79 36.2 16.5 56.5

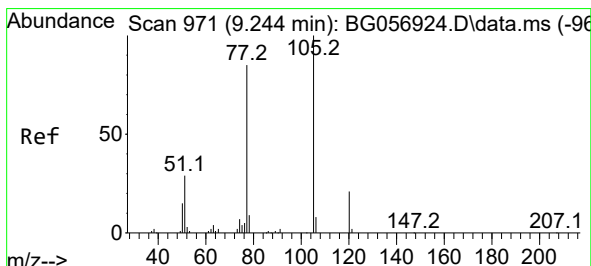
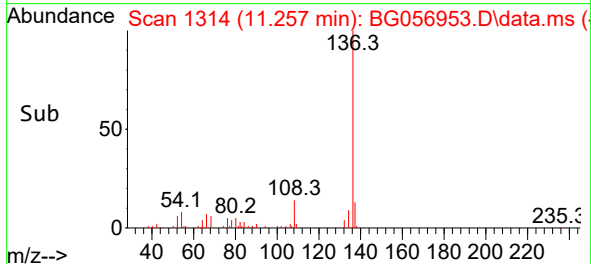
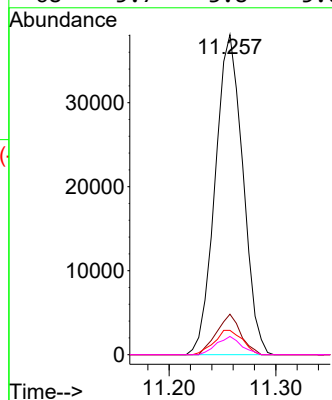
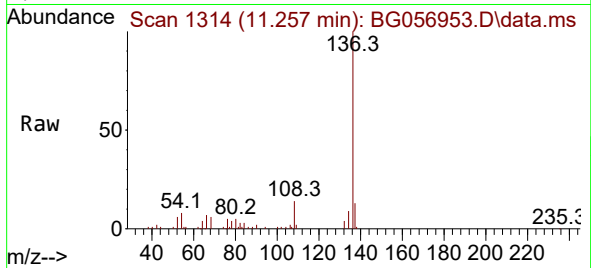




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.257 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

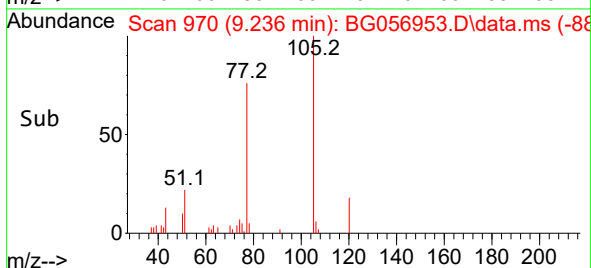
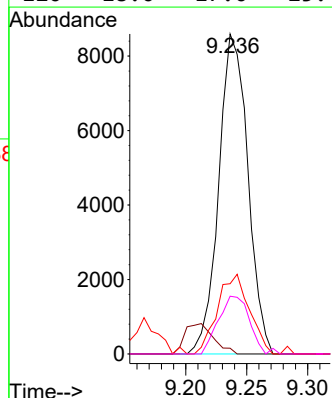
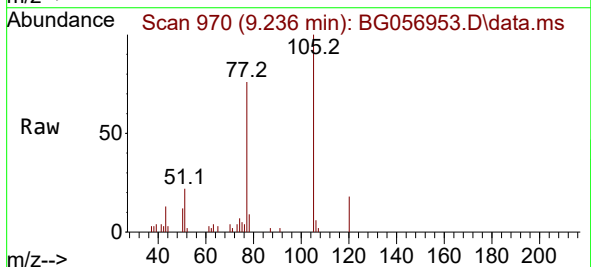
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

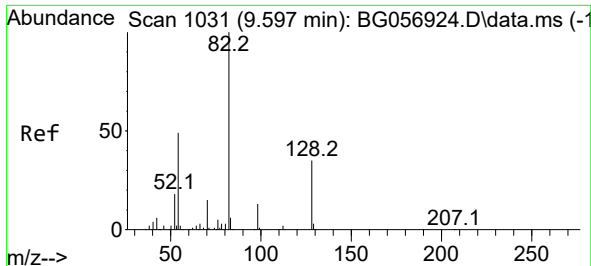
Tgt Ion:136 Resp: 68547
Ion Ratio Lower Upper
136 100
137 12.7 8.6 13.0
54 7.6 6.9 10.3
68 5.7 3.8 5.6#



#22
Acetophenone
Concen: 6.997 ng
RT: 9.236 min Scan# 970
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:105 Resp: 14271
Ion Ratio Lower Upper
105 100
71 1.8 0.7 1.1#
51 21.9 23.8 35.8#
120 18.0 17.0 25.4





#23

Nitrobenzene-d5

Concen: 75.457 ng

RT: 9.589 min Scan# 1030

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

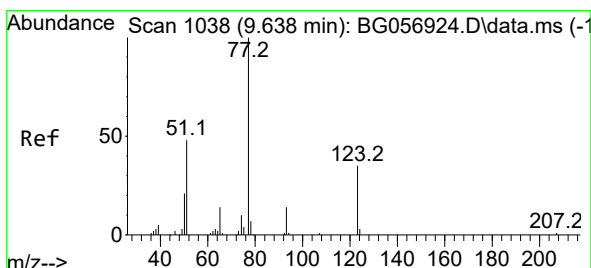
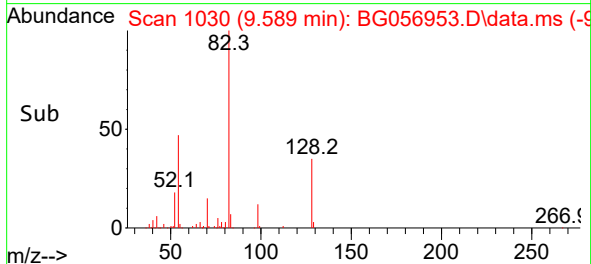
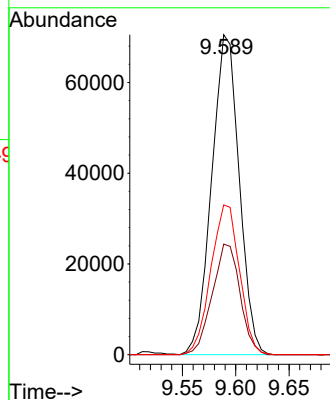
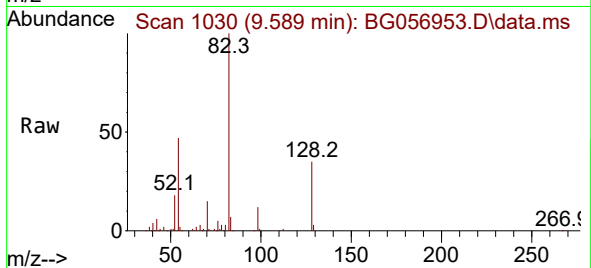
Tgt Ion: 82 Resp: 126409

Ion Ratio Lower Upper

82 100

128 34.5 27.9 41.9

54 46.8 39.4 59.2



#24

Nitrobenzene

Concen: 7.314 ng

RT: 9.636 min Scan# 1038

Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

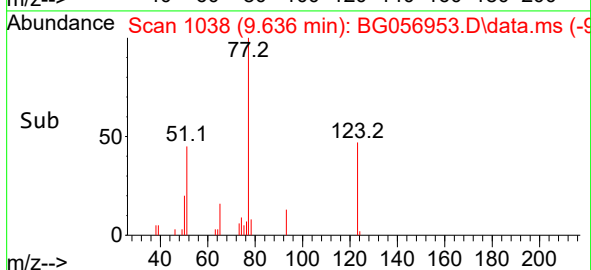
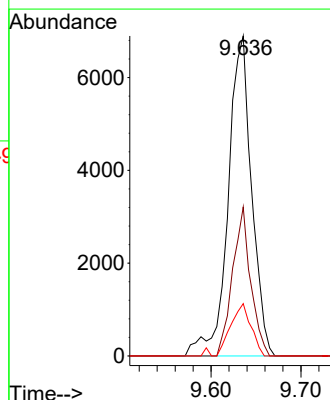
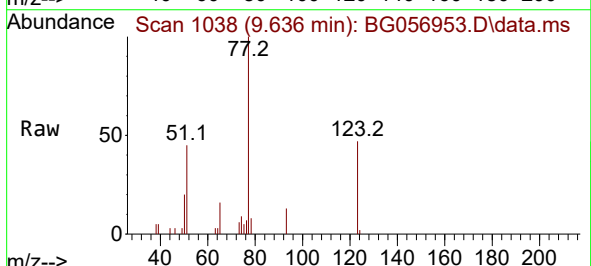
Tgt Ion: 77 Resp: 12527

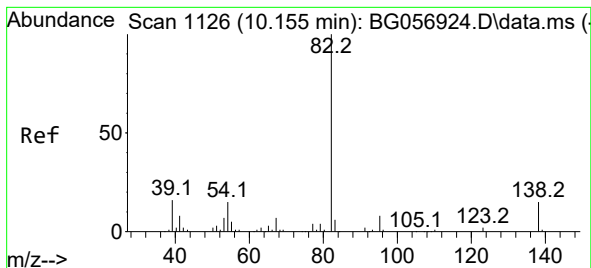
Ion Ratio Lower Upper

77 100

123 46.5 27.6 41.4#

65 16.3 11.5 17.3





#25

Isophorone

Concen: 6.799 ng

RT: 10.153 min Scan# 1126

Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

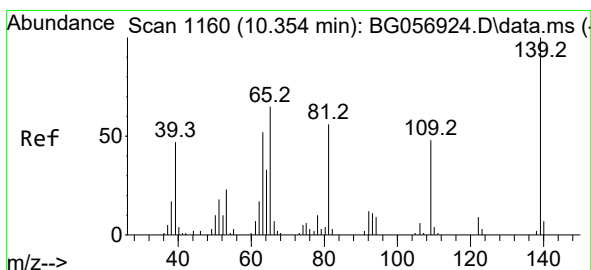
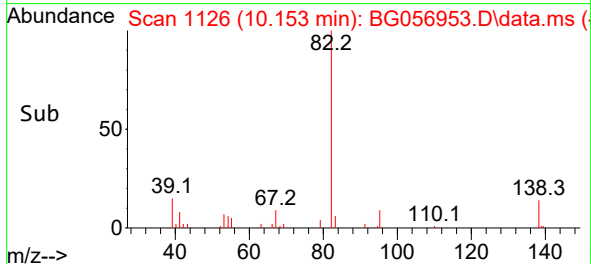
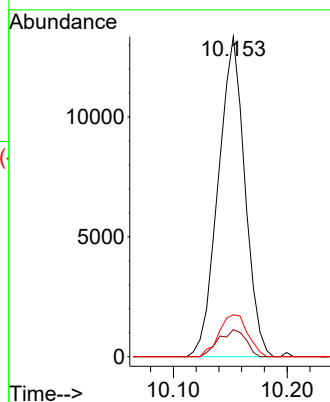
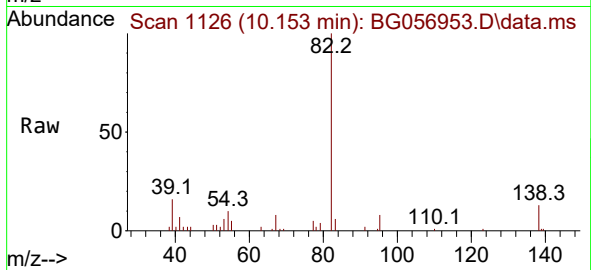
Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

Tgt Ion: 82	Resp: 21688
Ion Ratio	Lower Upper
82 100	
95 8.5	6.3 9.5
138 13.1	11.8 17.8



#26

2-Nitrophenol

Concen: 6.426 ng

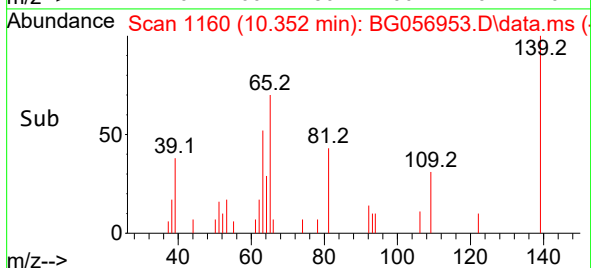
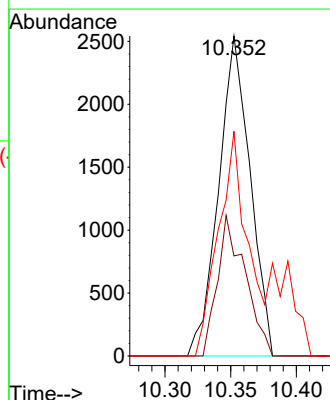
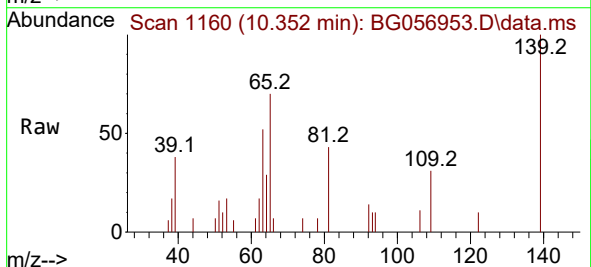
RT: 10.352 min Scan# 1160

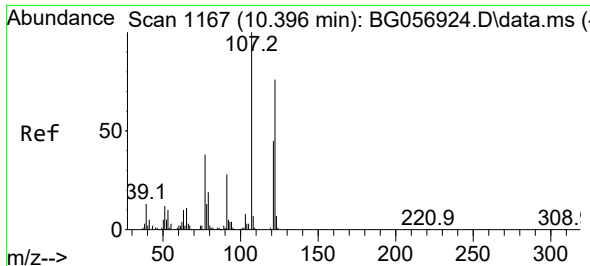
Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Tgt Ion: 139	Resp: 4248
Ion Ratio	Lower Upper
139 100	
109 31.3	38.2 57.4#
65 70.2	51.8 77.8





#27

2,4-Dimethylphenol

Concen: 6.686 ng

RT: 10.394 min Scan# 1167

Delta R.T. -0.002 min

Lab File: BG056953.D

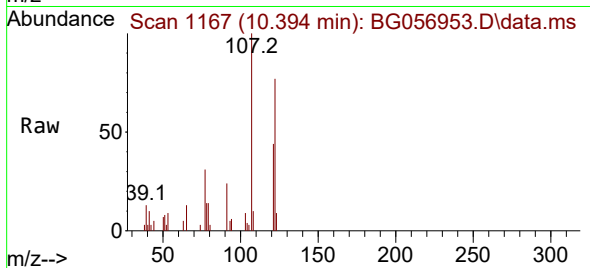
Acq: 3 Apr 2023 11:47

Instrument :

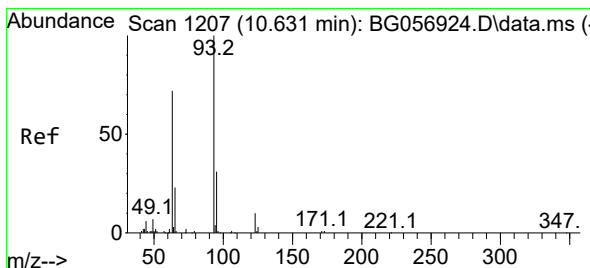
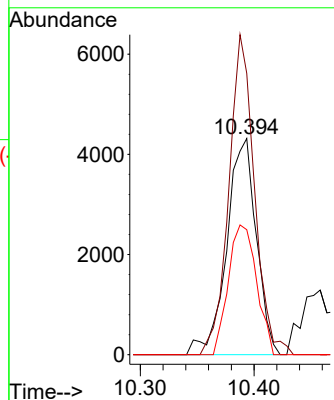
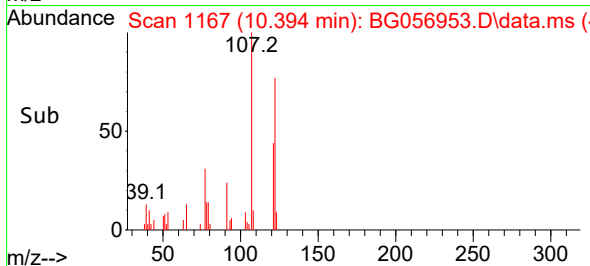
BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



Tgt Ion:	122	Resp:	7804
Ion	Ratio	Lower	Upper
122	100		
107	130.1	105.7	158.5
121	57.8	48.0	72.0



#28

bis(2-Chloroethoxy)methane

Concen: 6.909 ng

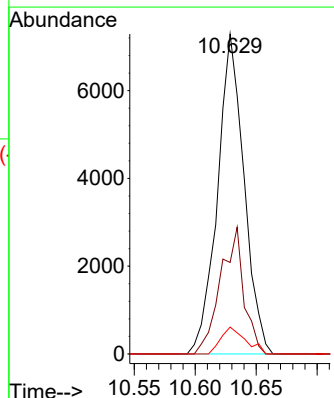
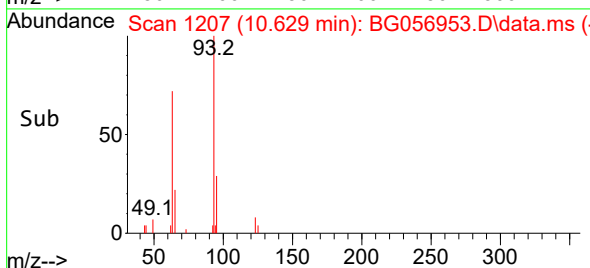
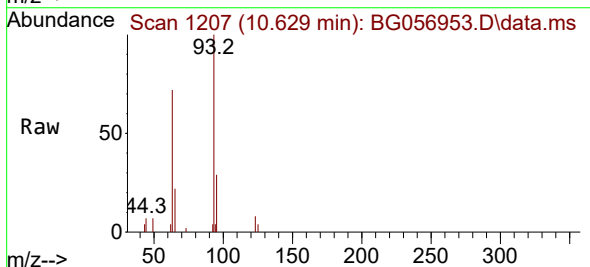
RT: 10.629 min Scan# 1207

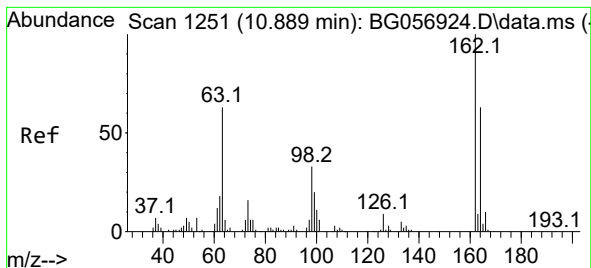
Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Tgt Ion:	93	Resp:	11034
Ion	Ratio	Lower	Upper
93	100		
95	28.6	24.6	37.0
123	8.4	7.8	11.6





#29

2,4-Dichlorophenol

Concen: 6.319 ng

RT: 10.893 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

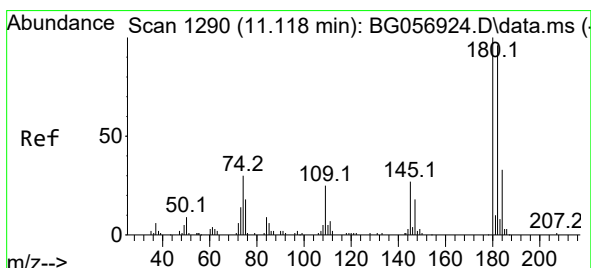
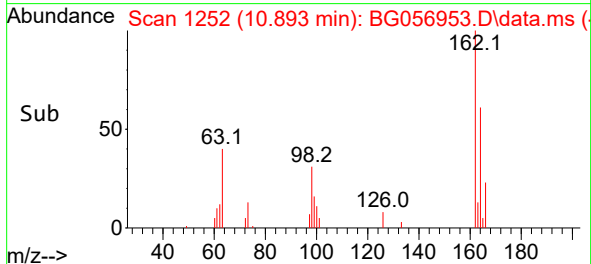
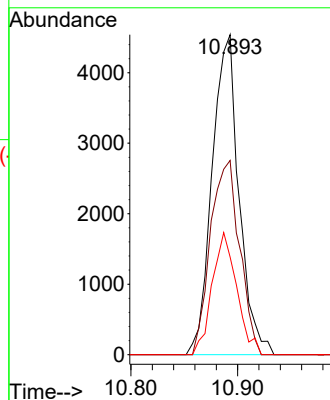
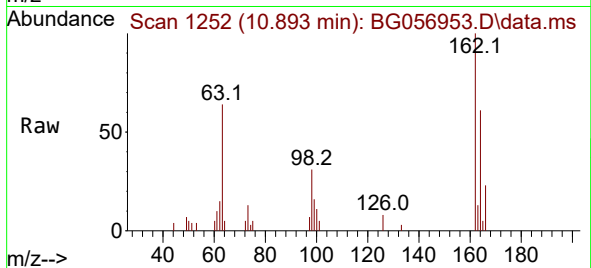
Tgt Ion:162 Resp: 7932

Ion Ratio Lower Upper

162 100

164 60.7 43.4 83.4

98 30.5 12.5 52.5



#30

1,2,4-Trichlorobenzene

Concen: 7.423 ng

RT: 11.110 min Scan# 1289

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

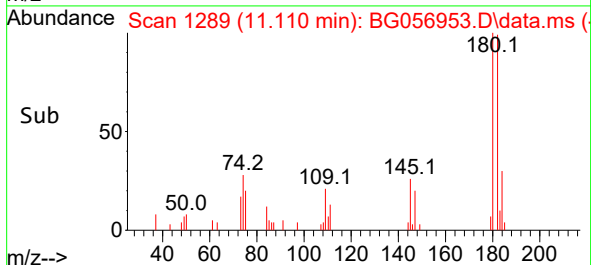
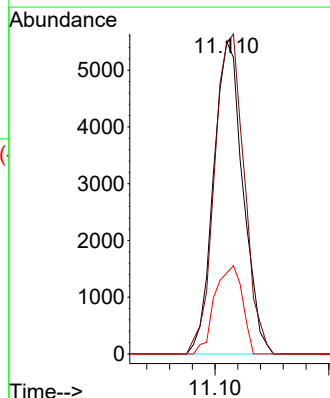
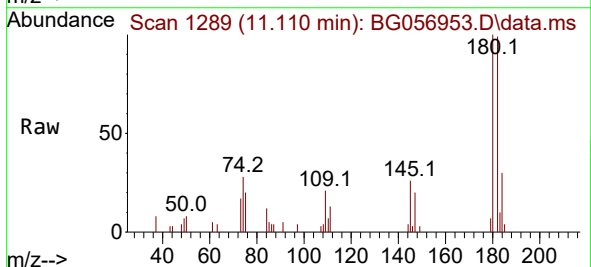
Tgt Ion:180 Resp: 9901

Ion Ratio Lower Upper

180 100

182 99.5 77.1 115.7

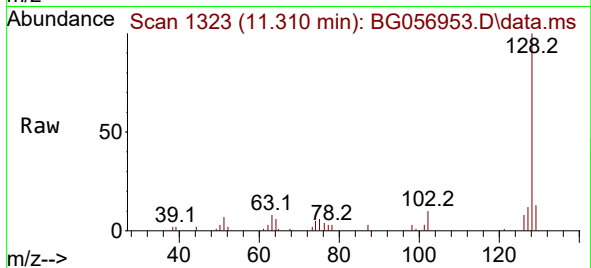
145 25.9 21.3 31.9



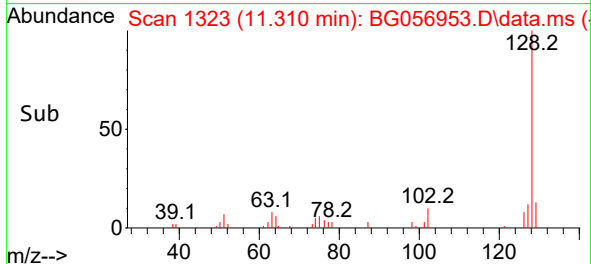
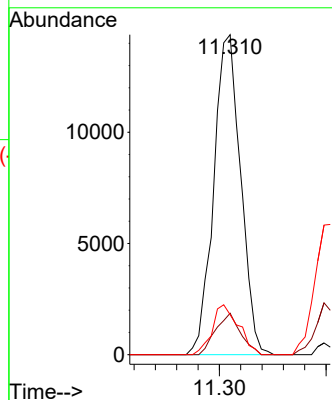


#31
Naphthalene
Concen: 6.754 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

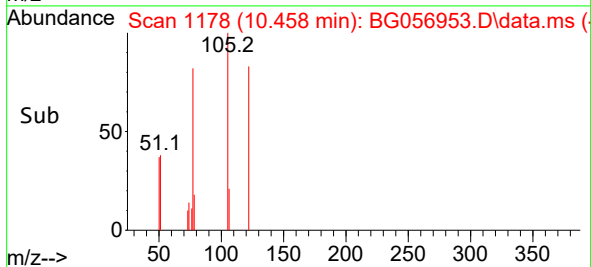
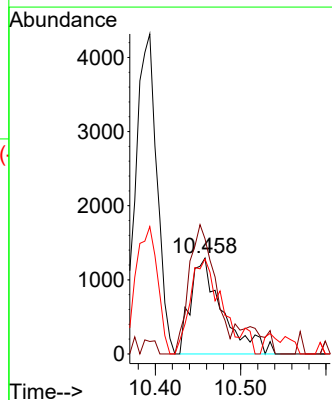
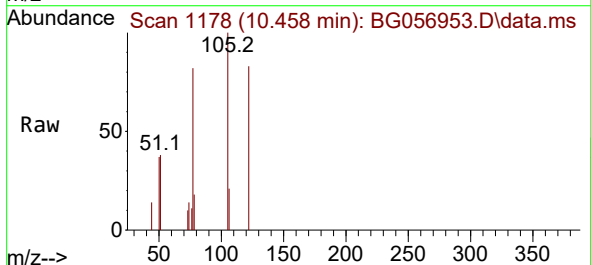


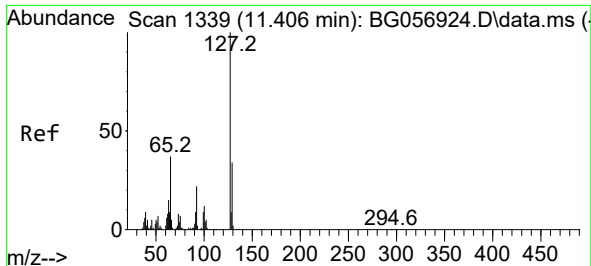
Tgt Ion:128 Resp: 25235
Ion Ratio Lower Upper
128 100
129 13.0 9.4 14.2
127 12.5 12.2 18.4



#32
Benzoic acid
Concen: 4.196 ng
RT: 10.458 min Scan# 1178
Delta R.T. -0.055 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:122 Resp: 3364
Ion Ratio Lower Upper
122 100
105 120.3 105.4 145.4
77 99.1 87.4 127.4

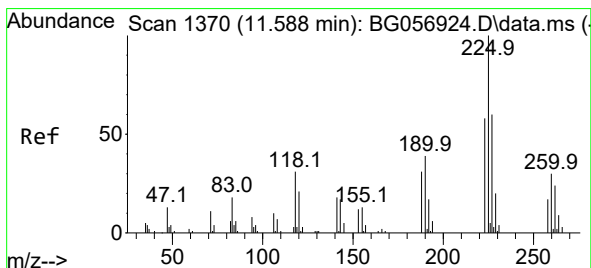
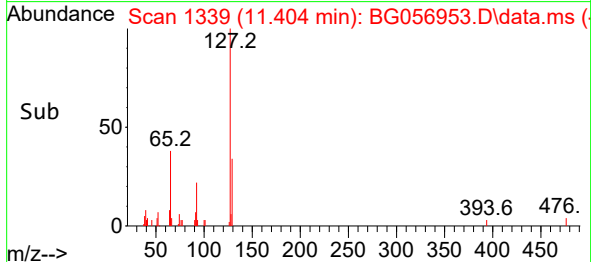
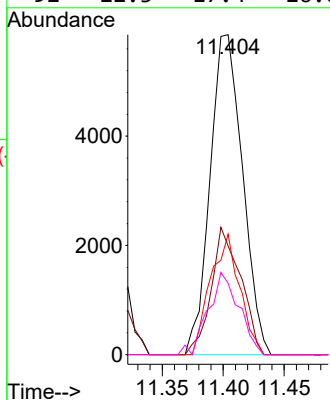
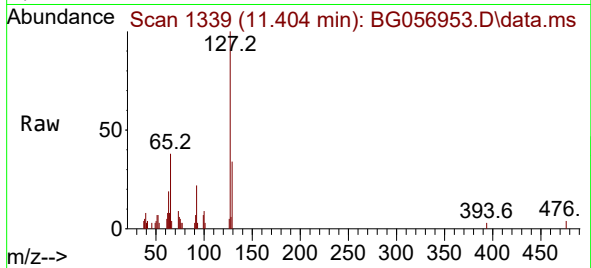




#33
4-Chloroaniline
Concen: 6.440 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

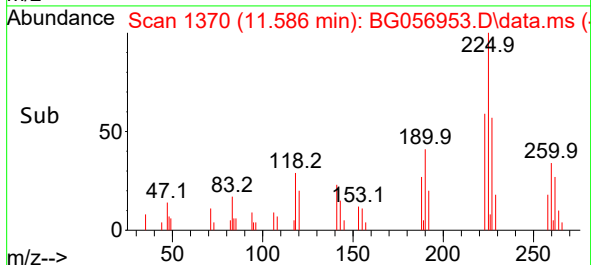
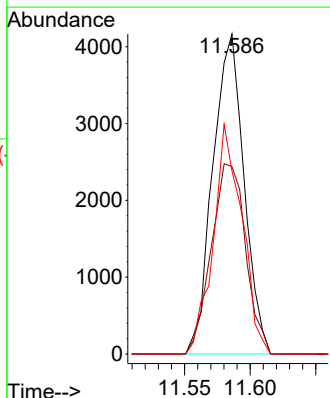
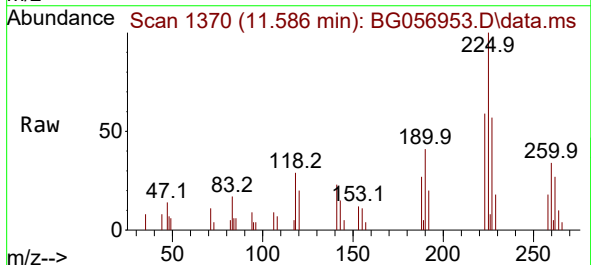
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

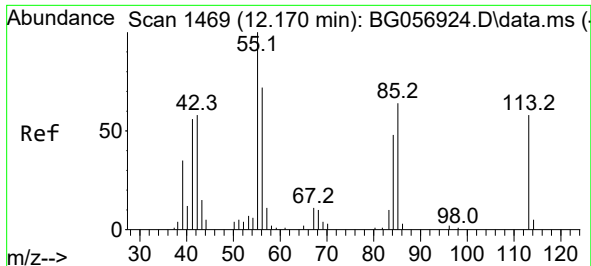
Tgt Ion:	127	Resp:	10868
Ion	Ratio	Lower	Upper
127	100		
129	34.0	27.6	41.4
65	37.6	29.8	44.8
92	22.3	17.4	26.0



#34
Hexachlorobutadiene
Concen: 6.866 ng
RT: 11.586 min Scan# 1370
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:	225	Resp:	6879
Ion	Ratio	Lower	Upper
225	100		
223	58.5	46.4	69.6
227	57.2	48.0	72.0

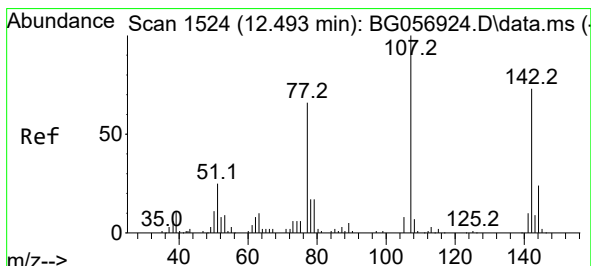
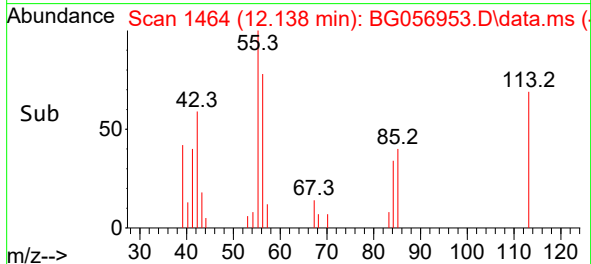
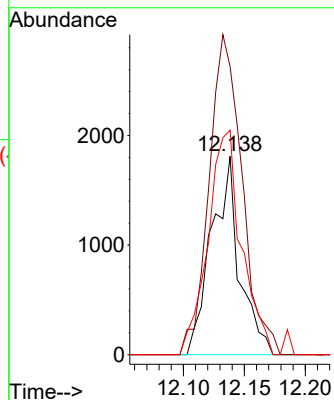
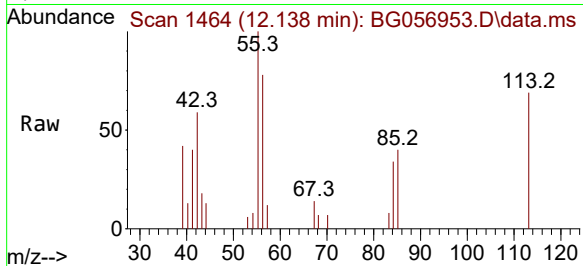




#35
 Caprolactam
 Concen: 6.673 ng
 RT: 12.138 min Scan# 1464
 Delta R.T. -0.031 min
 Lab File: BG056953.D
 Acq: 3 Apr 2023 11:47

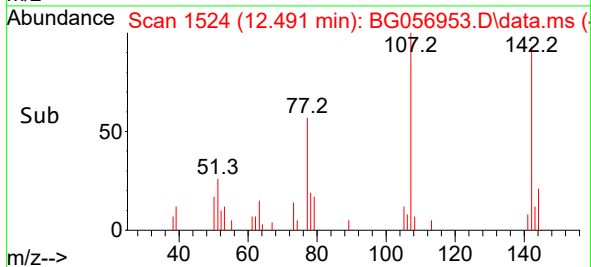
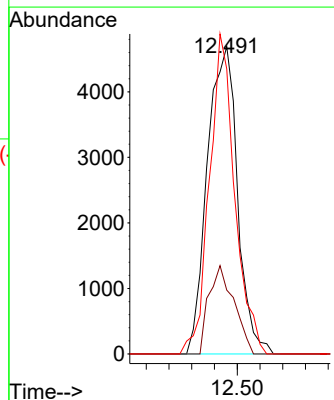
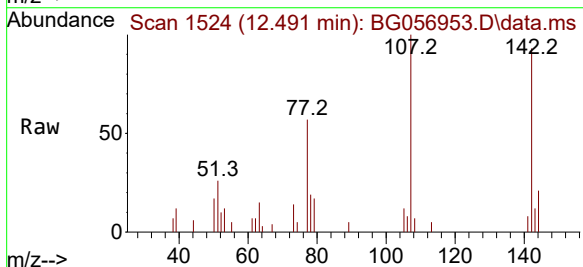
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023

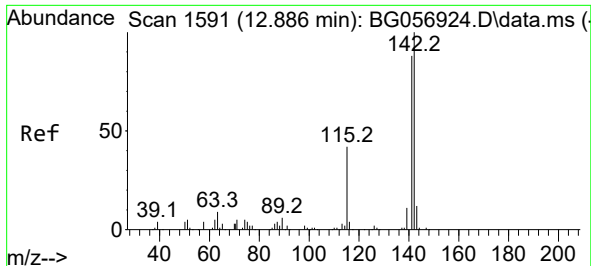
Tgt Ion:113 Resp: 2889
 Ion Ratio Lower Upper
 113 100
 55 145.2 151.6 191.6#
 56 113.2 103.7 143.7



#36
 4-Chloro-3-methylphenol
 Concen: 6.150 ng
 RT: 12.491 min Scan# 1524
 Delta R.T. -0.002 min
 Lab File: BG056953.D
 Acq: 3 Apr 2023 11:47

Tgt Ion:107 Resp: 8633
 Ion Ratio Lower Upper
 107 100
 144 20.8 19.0 28.4
 142 92.7 58.6 88.0#





#37

2-Methylnaphthalene

Concen: 6.777 ng

RT: 12.878 min Scan# 1590

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

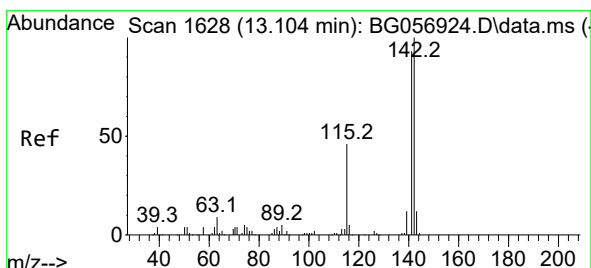
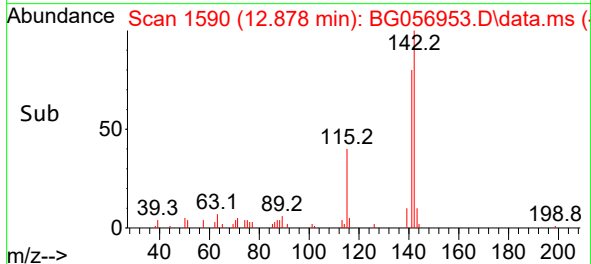
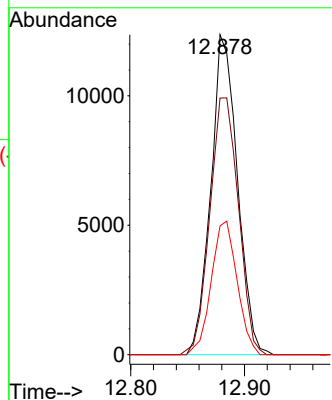
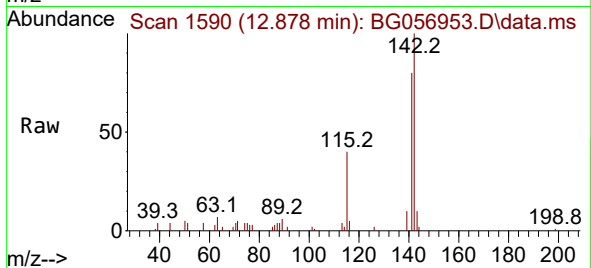
Tgt Ion:142 Resp: 20097

Ion Ratio Lower Upper

142 100

141 80.2 70.3 105.5

115 40.3 33.5 50.3



#38

1-Methylnaphthalene

Concen: 7.218 ng

RT: 12.878 min Scan# 1590

Delta R.T. -0.225 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

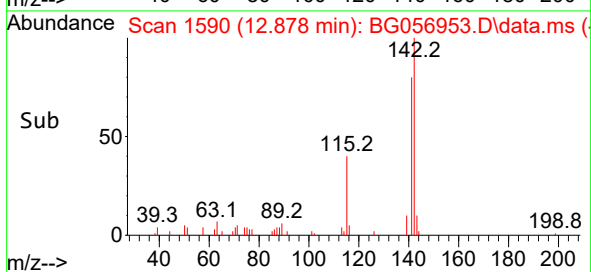
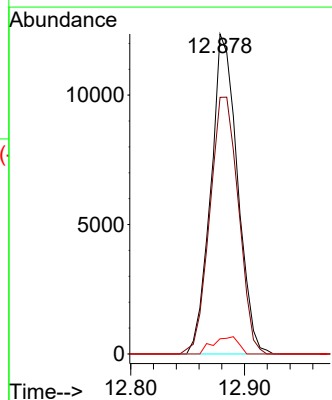
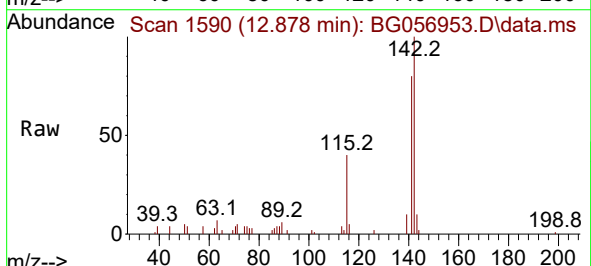
Tgt Ion:142 Resp: 20097

Ion Ratio Lower Upper

142 100

141 80.2 74.0 111.0

116 4.8 3.7 5.5

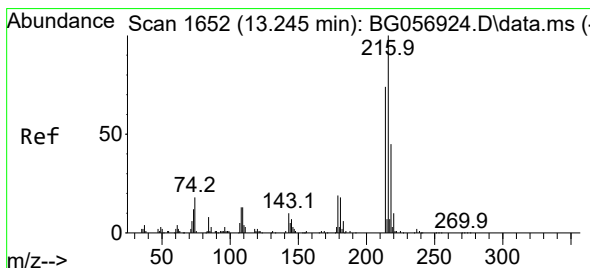
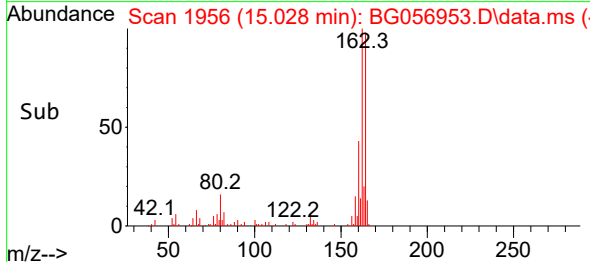
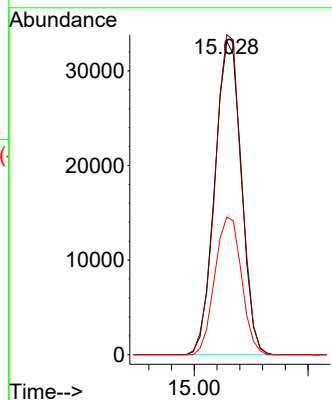
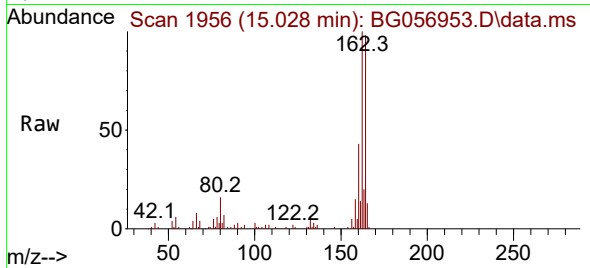




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.028 min Scan# 1956
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

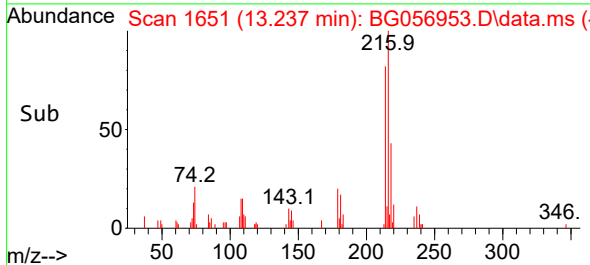
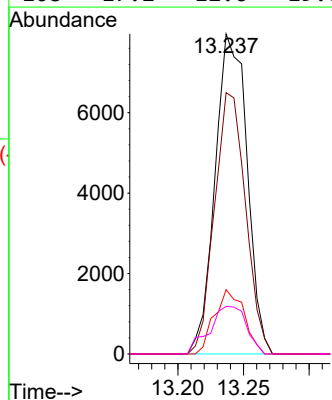
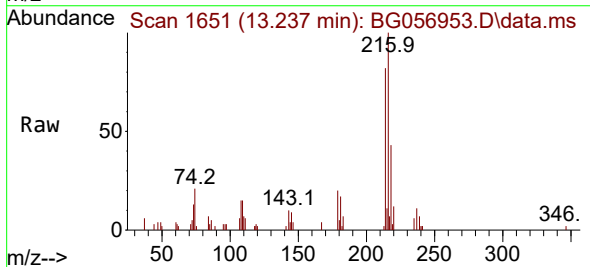
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

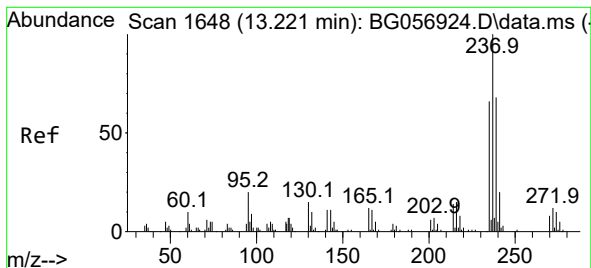
Tgt Ion:164 Resp: 53681
Ion Ratio Lower Upper
164 100
162 102.1 77.8 116.8
160 43.9 33.5 50.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.224 ng
RT: 13.237 min Scan# 1651
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

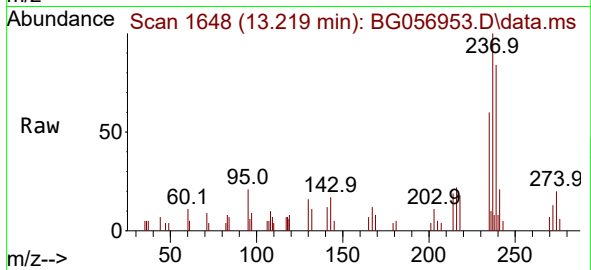
Tgt Ion:216 Resp: 13448
Ion Ratio Lower Upper
216 100
214 79.2 63.3 94.9
179 18.7 15.0 22.6
108 17.2 12.6 19.0



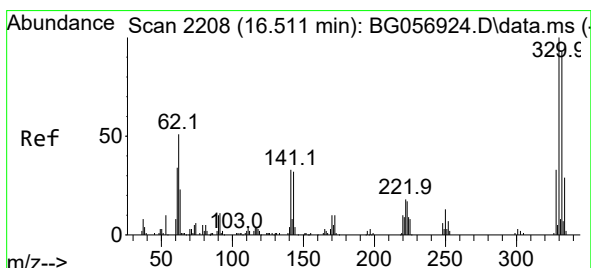
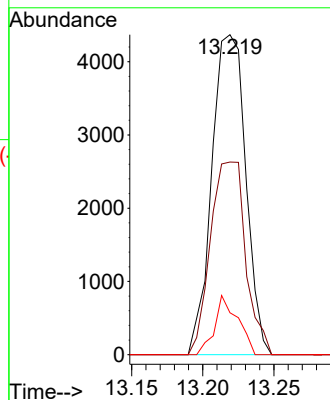
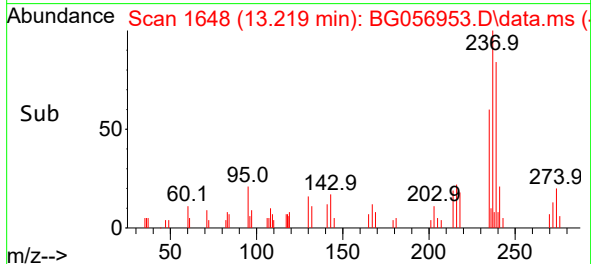


#41
Hexachlorocyclopentadiene
Concen: 7.066 ng
RT: 13.219 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

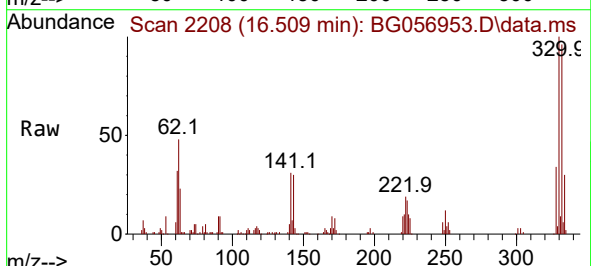
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



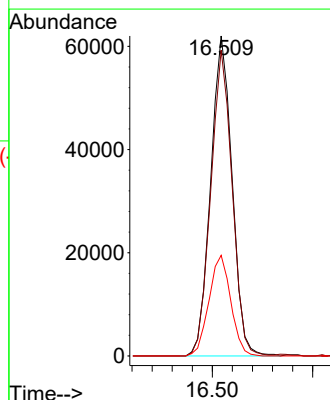
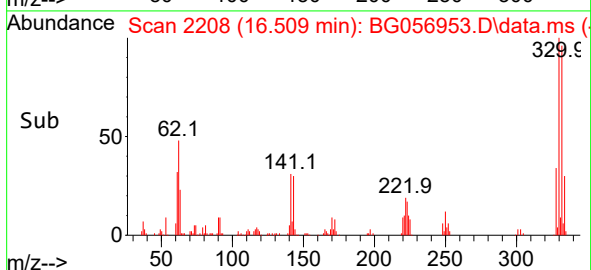
Tgt Ion:237 Resp: 7247
Ion Ratio Lower Upper
237 100
235 60.2 45.9 85.9
272 13.1 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 107.267 ng
RT: 16.509 min Scan# 2208
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



Tgt Ion:330 Resp: 91989
Ion Ratio Lower Upper
330 100
332 95.0 76.1 114.1
141 32.1 25.8 38.6

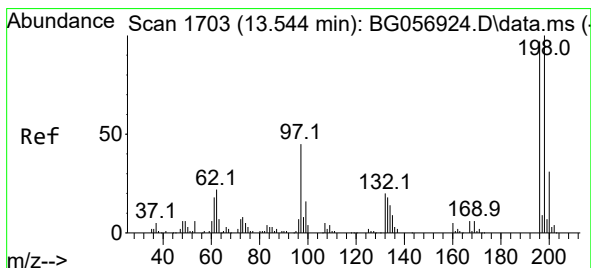
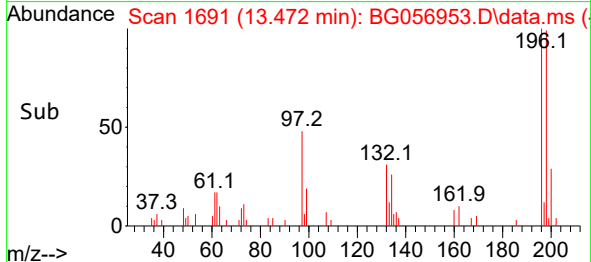
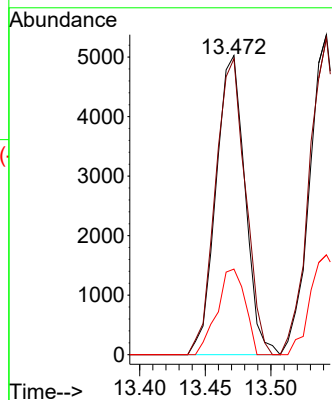
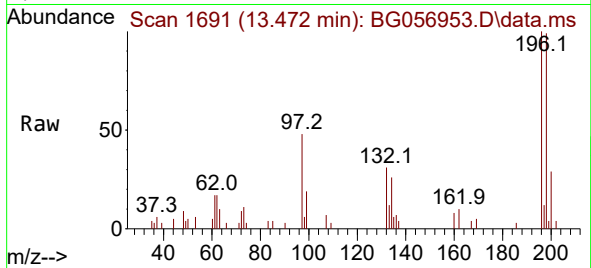




#43
2,4,6-Trichlorophenol
Concen: 6.506 ng
RT: 13.472 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

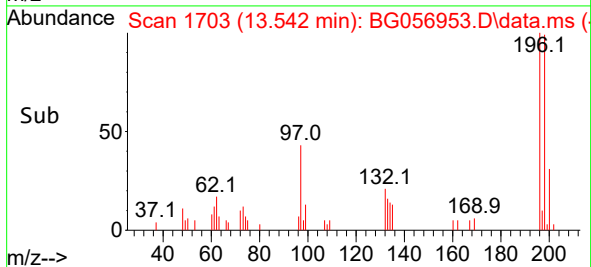
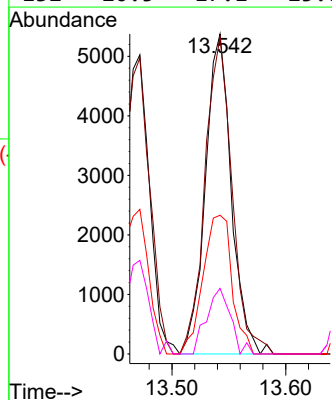
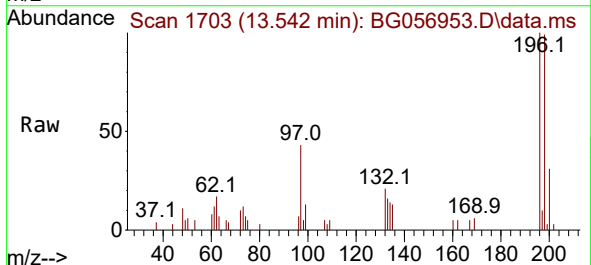
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

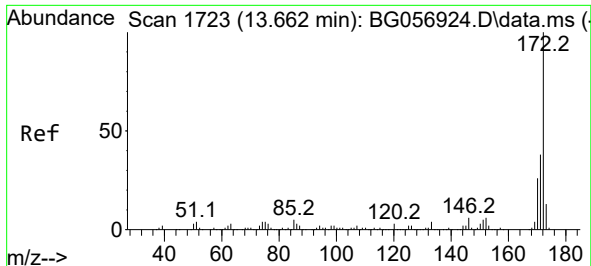
Tgt Ion:196 Resp: 7729
Ion Ratio Lower Upper
196 100
198 98.9 79.1 118.7
200 28.6 27.2 40.8



#44
2,4,5-Trichlorophenol
Concen: 6.053 ng
RT: 13.542 min Scan# 1703
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:196 Resp: 8518
Ion Ratio Lower Upper
196 100
198 99.0 82.5 123.7
97 43.4 37.0 55.6
132 20.5 17.1 25.7

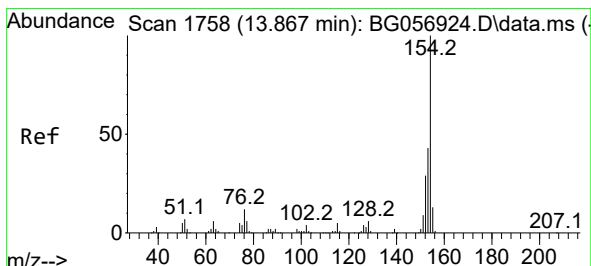
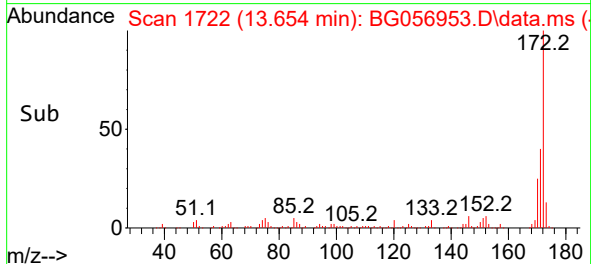
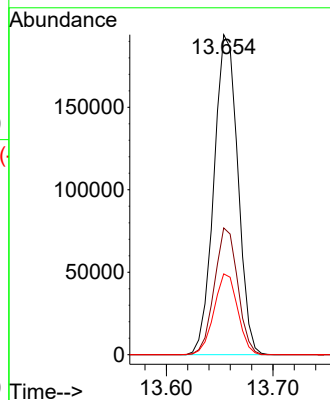
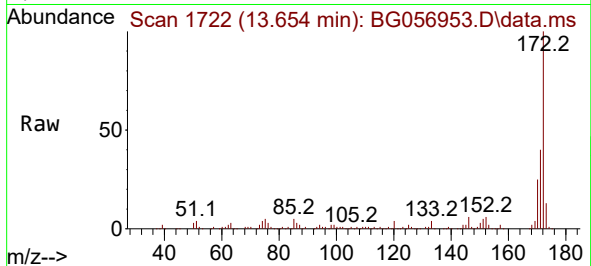




#45
2-Fluorobiphenyl
Concen: 76.381 ng
RT: 13.654 min Scan# 1722
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

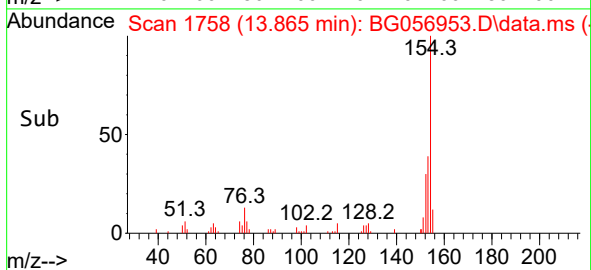
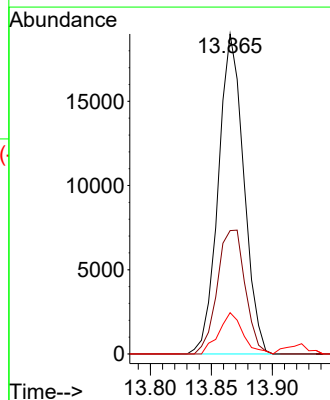
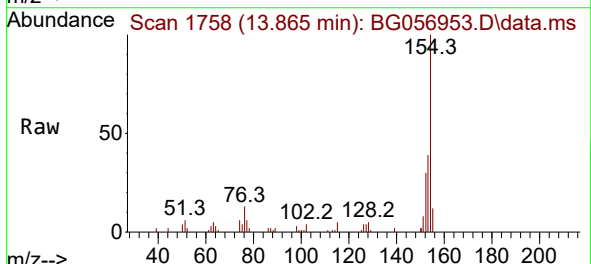
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion:172 Resp: 302372
Ion Ratio Lower Upper
172 100
171 39.6 30.6 46.0
170 25.2 20.6 30.8



#46
1,1'-Biphenyl
Concen: 7.032 ng
RT: 13.865 min Scan# 1758
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:154 Resp: 27634
Ion Ratio Lower Upper
154 100
153 38.6 23.4 63.4
76 12.9 0.0 31.6

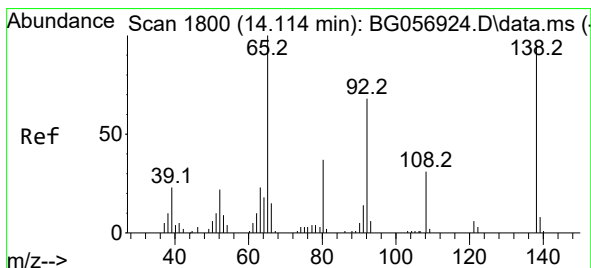
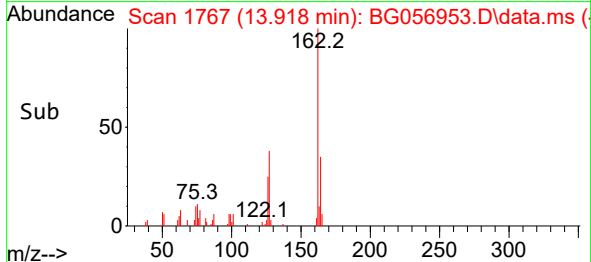
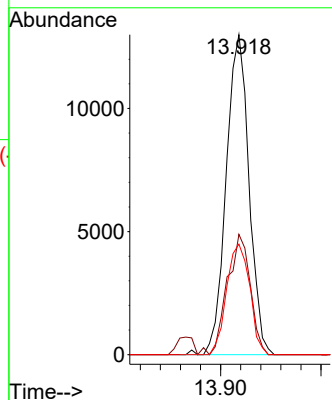
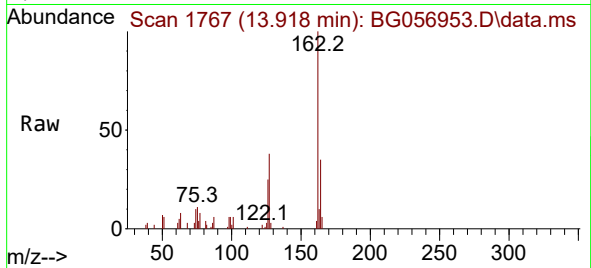




#47
2-Chloronaphthalene
Concen: 7.053 ng
RT: 13.918 min Scan# 1767
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

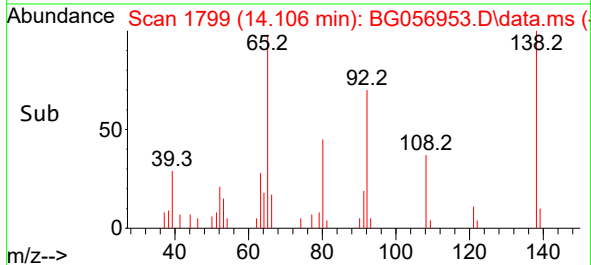
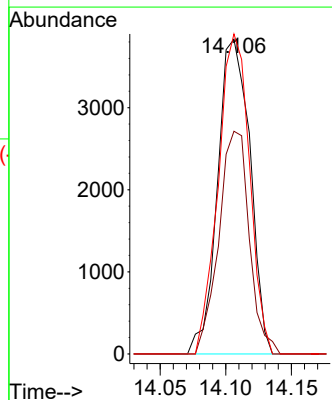
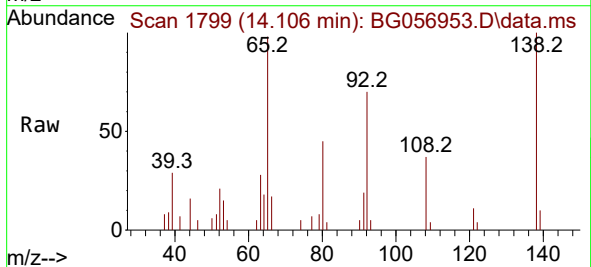
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

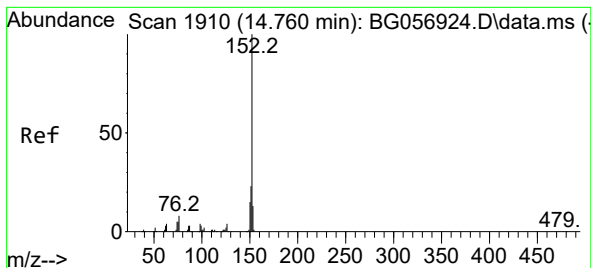
Tgt Ion:162 Resp: 20497
Ion Ratio Lower Upper
162 100
127 37.6 29.5 44.3
164 34.6 25.5 38.3



#48
2-Nitroaniline
Concen: 6.338 ng
RT: 14.106 min Scan# 1799
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion: 65 Resp: 6587
Ion Ratio Lower Upper
65 100
92 70.8 54.3 81.5
138 101.7 76.0 114.0





#49

Acenaphthylene

Concen: 6.983 ng

RT: 14.758 min Scan# 1910

Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

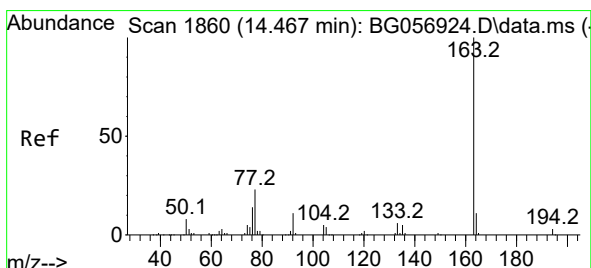
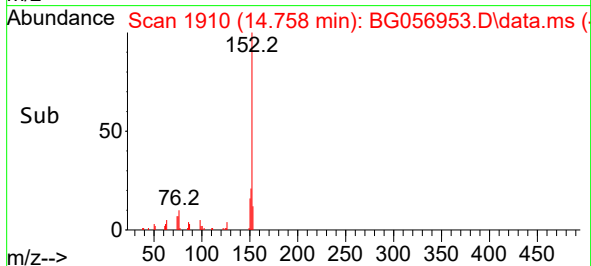
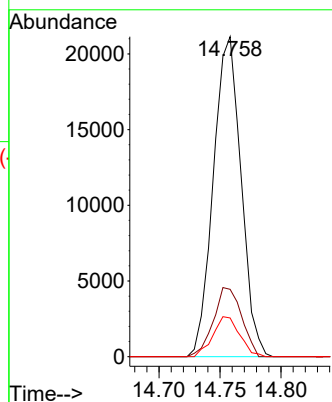
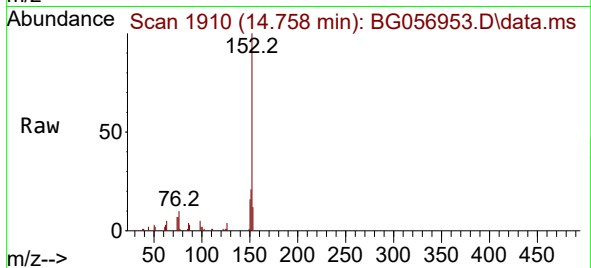
Tgt Ion:152 Resp: 33347

Ion Ratio Lower Upper

152 100

151 21.1 18.2 27.2

153 12.1 10.5 15.7



#50

Dimethylphthalate

Concen: 6.923 ng

RT: 14.459 min Scan# 1859

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

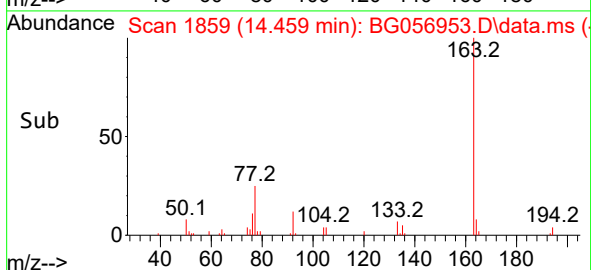
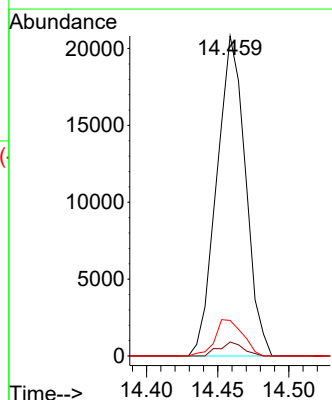
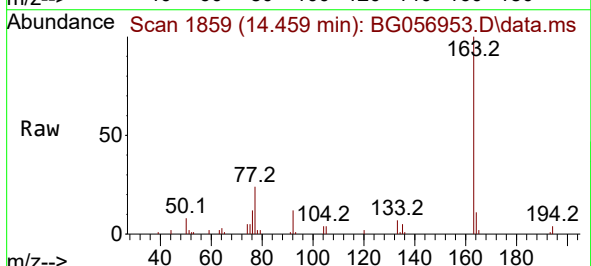
Tgt Ion:163 Resp: 29283

Ion Ratio Lower Upper

163 100

194 4.4 2.8 4.2#

164 11.1 8.8 13.2

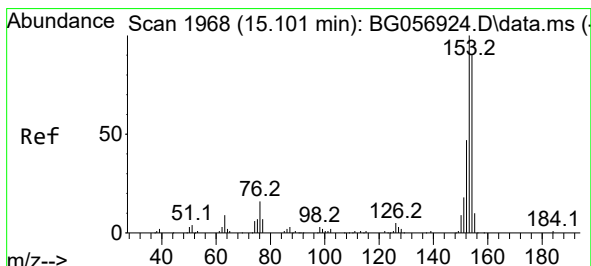
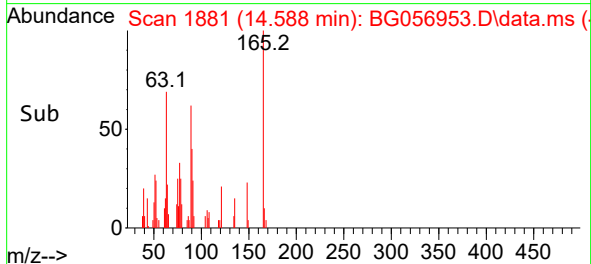
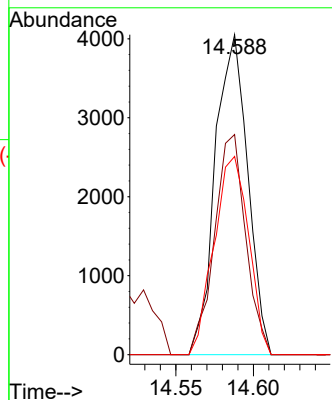
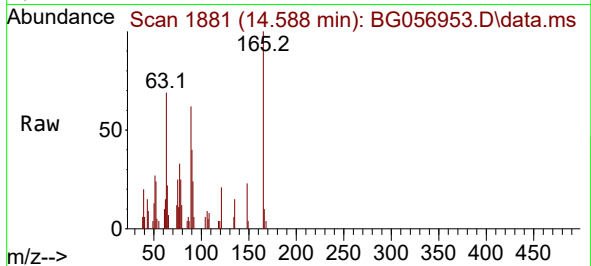




#51
2,6-Dinitrotoluene
Concen: 6.428 ng
RT: 14.588 min Scan# 1881
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

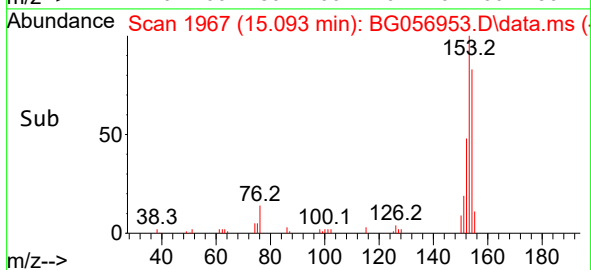
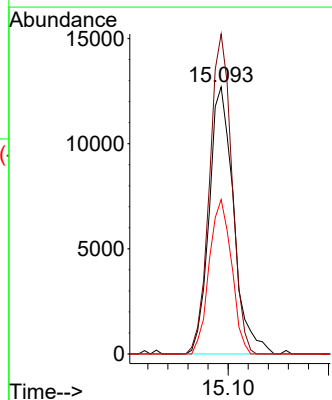
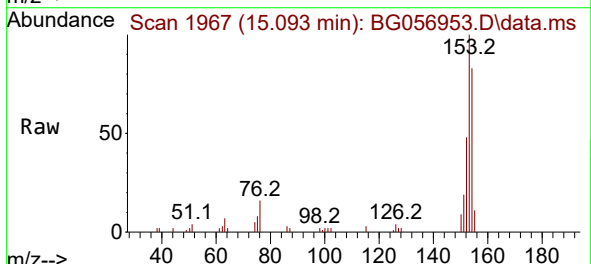
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

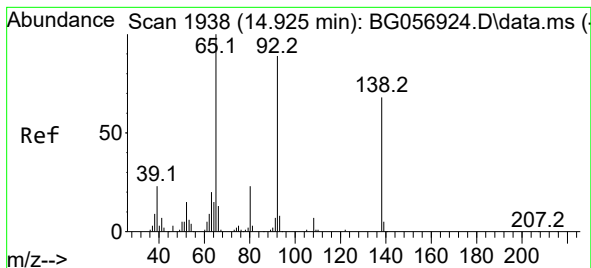
Tgt Ion:165 Resp: 5874
Ion Ratio Lower Upper
165 100
63 68.8 53.0 79.6
89 61.9 51.0 76.4



#52
Acenaphthene
Concen: 6.521 ng
RT: 15.093 min Scan# 1967
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:154 Resp: 21475
Ion Ratio Lower Upper
154 100
153 119.8 88.9 133.3
152 57.8 41.8 62.8





#53

3-Nitroaniline

Concen: 6.622 ng

RT: 14.917 min Scan# 1937

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

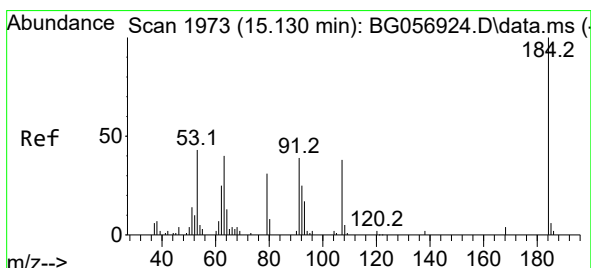
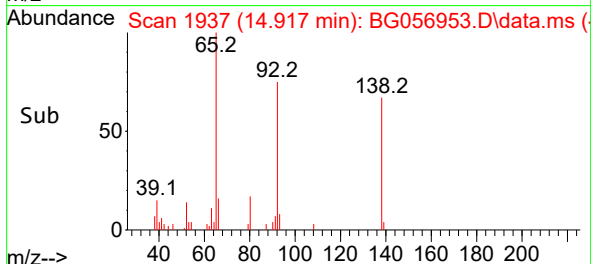
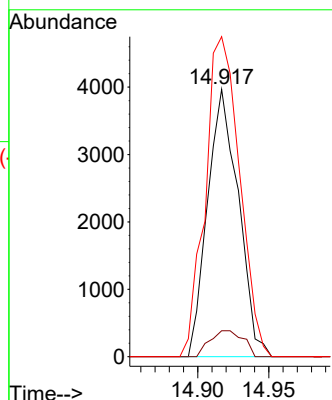
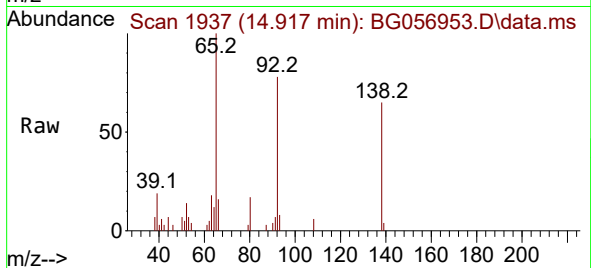
Tgt Ion:138 Resp: 5990

Ion Ratio Lower Upper

138 100

108 9.7 8.2 12.2

92 119.7 105.2 157.8



#54

2,4-Dinitrophenol

Concen: 4.889 ng

RT: 15.122 min Scan# 1972

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

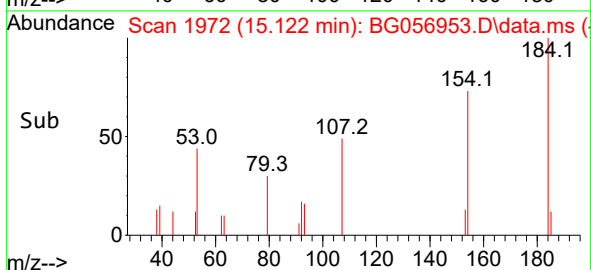
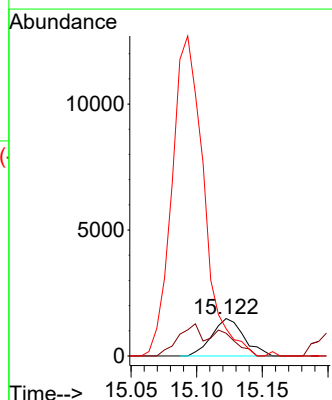
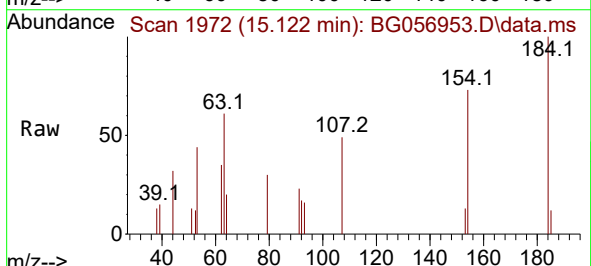
Tgt Ion:184 Resp: 2515

Ion Ratio Lower Upper

184 100

63 60.9 46.5 69.7

154 72.6 53.5 80.3

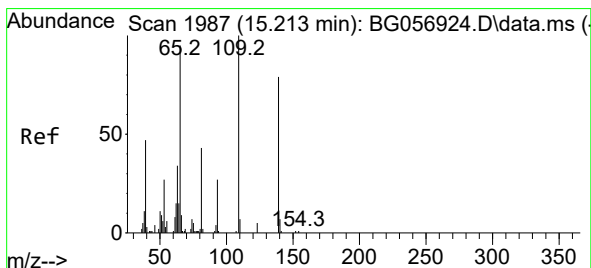
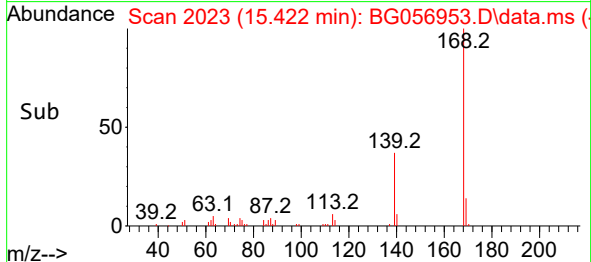
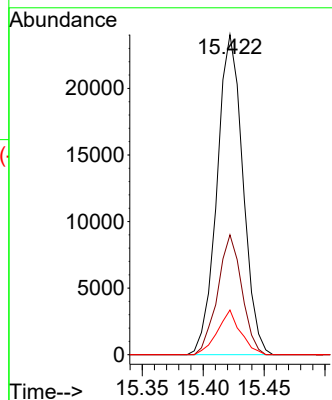
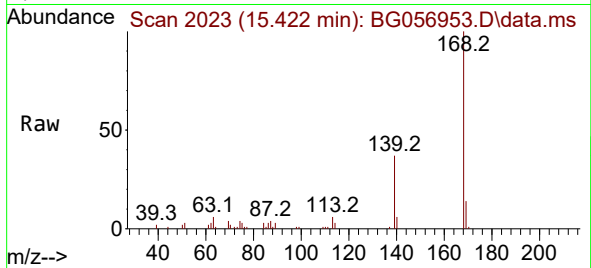




#55
Dibenzenofuran
Concen: 7.185 ng
RT: 15.422 min Scan# 20
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

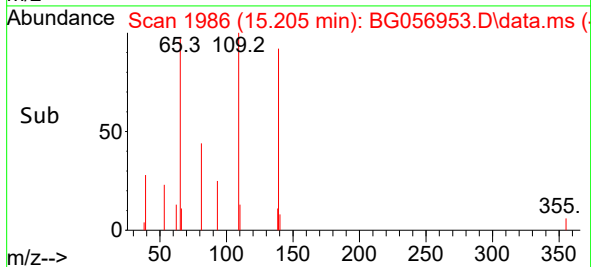
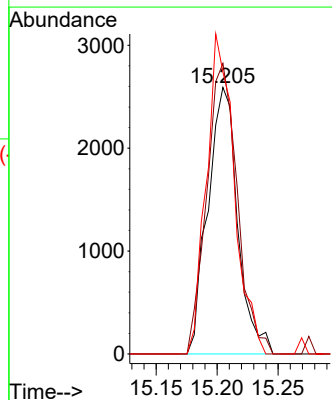
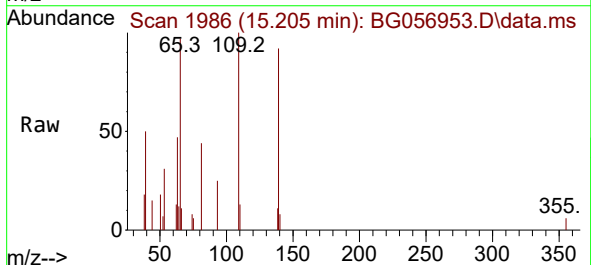
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

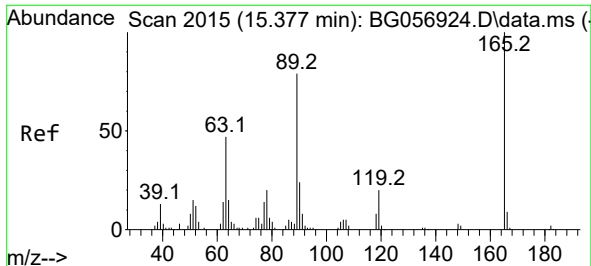
Tgt Ion:168 Resp: 35515
Ion Ratio Lower Upper
168 100
139 37.5 28.9 43.3
169 14.0 9.8 14.6



#56
4-Nitrophenol
Concen: 6.583 ng
RT: 15.205 min Scan# 1986
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:139 Resp: 4403
Ion Ratio Lower Upper
139 100
109 109.0 106.7 146.7
65 105.8 100.5 140.5





#57

2,4-Dinitrotoluene

Concen: 6.575 ng

RT: 15.369 min Scan# 2014

Delta R.T. -0.008 min

Lab File: BG056953.D

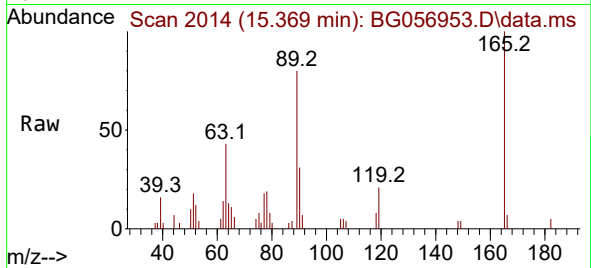
Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



Tgt Ion:165 Resp: 8474

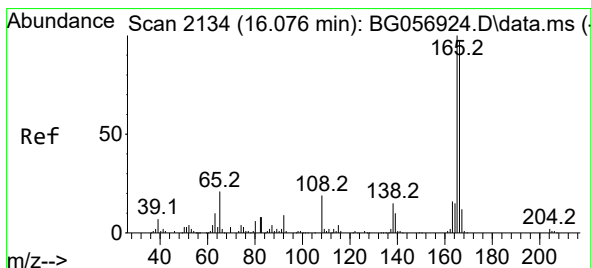
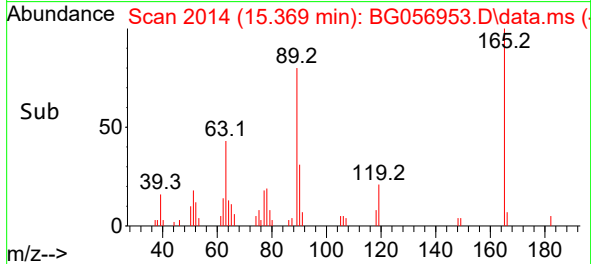
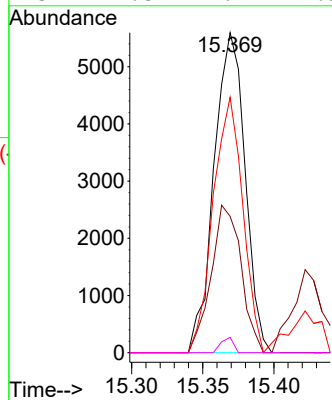
Ion Ratio Lower Upper

165 100

63 42.6 37.7 56.5

89 79.8 63.2 94.8

182 4.8 1.7 2.5#



#58

Fluorene

Concen: 7.261 ng

RT: 16.068 min Scan# 2133

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

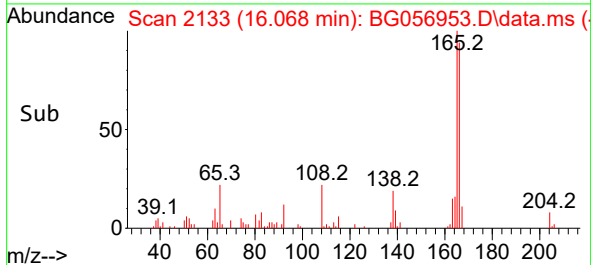
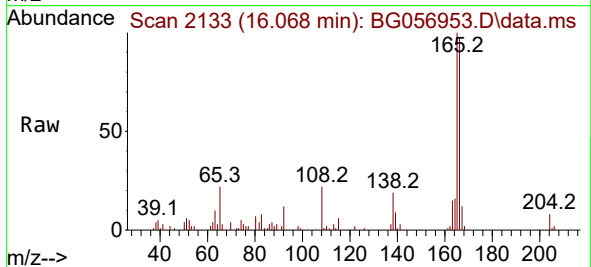
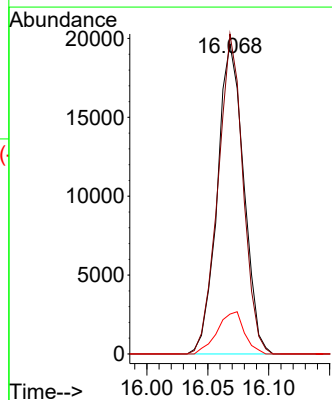
Tgt Ion:166 Resp: 29698

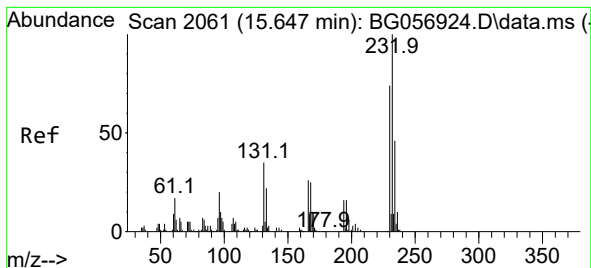
Ion Ratio Lower Upper

166 100

165 103.2 82.6 123.8

167 12.9 10.2 15.2

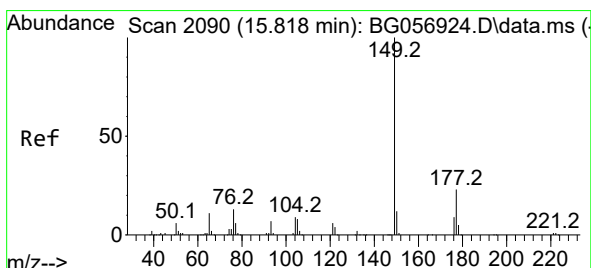
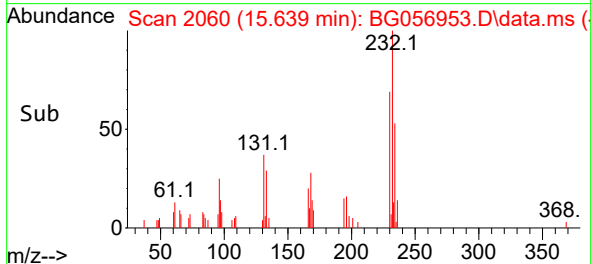
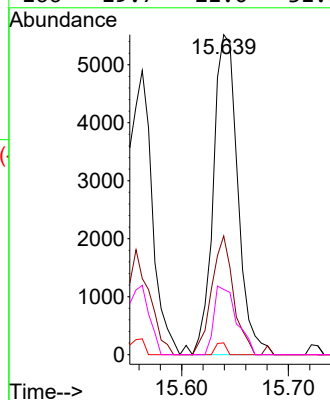
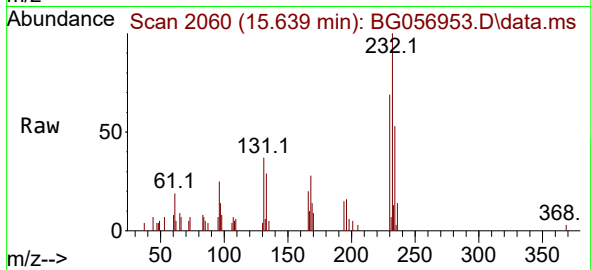




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.886 ng
RT: 15.639 min Scan# 2060
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

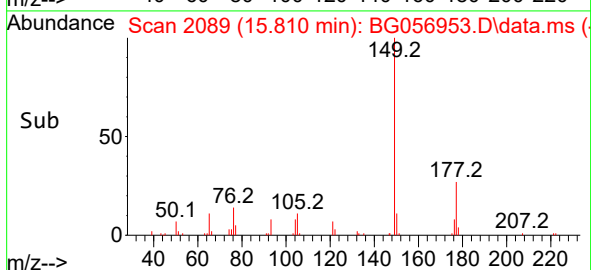
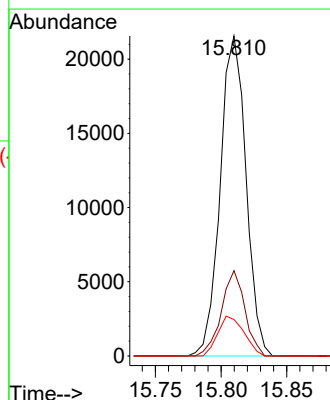
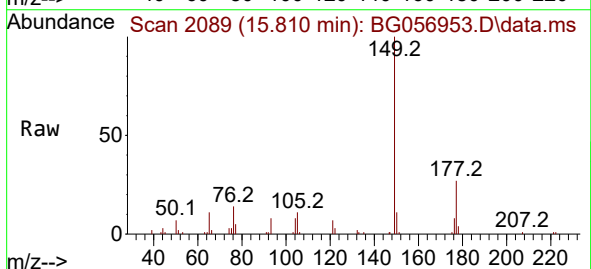
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

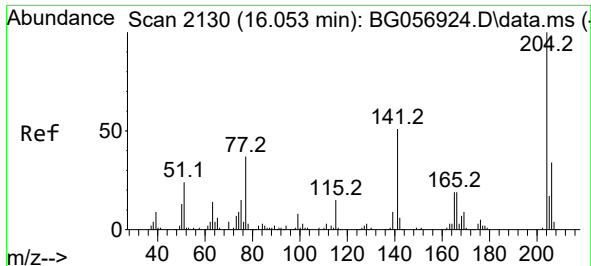
Tgt Ion:232 Resp: 8823
Ion Ratio Lower Upper
232 100
131 33.1 29.3 43.9
130 1.6 1.7 2.5#
166 19.7 21.0 31.6#



#60
Diethylphthalate
Concen: 6.941 ng
RT: 15.810 min Scan# 2089
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:149 Resp: 29430
Ion Ratio Lower Upper
149 100
177 26.6 18.8 28.2
150 11.4 9.4 14.2

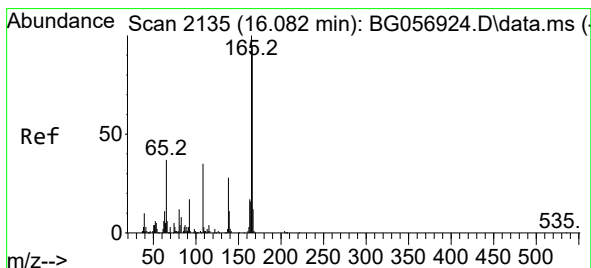
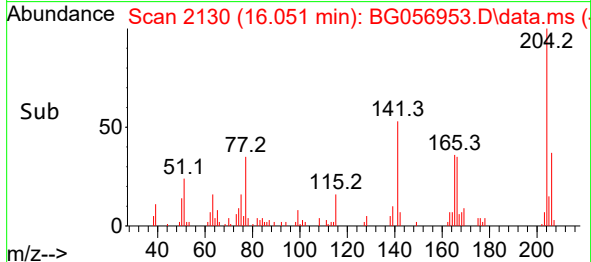
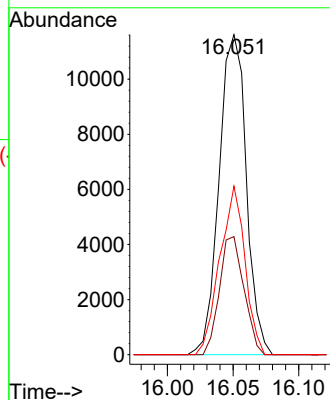
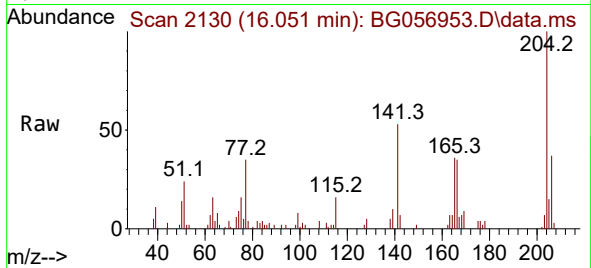




#61
4-Chlorophenyl-phenylether
Concen: 6.966 ng
RT: 16.051 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

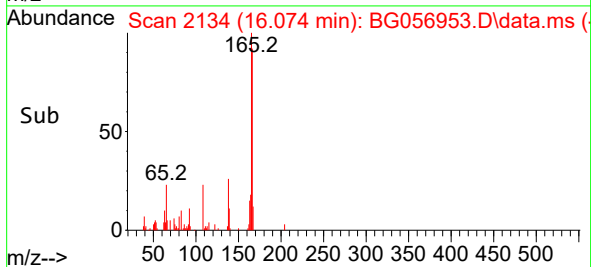
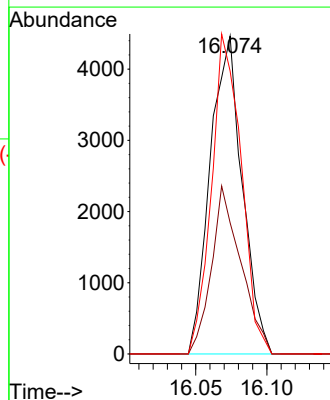
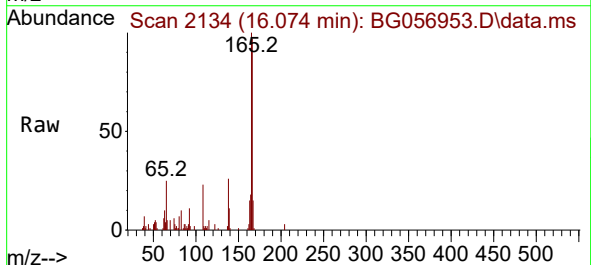
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

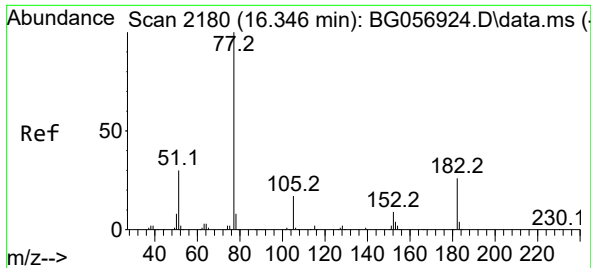
Tgt Ion:204 Resp: 16729
Ion Ratio Lower Upper
204 100
206 36.9 27.2 40.8
141 52.7 40.7 61.1



#62
4-Nitroaniline
Concen: 7.466 ng
RT: 16.074 min Scan# 2134
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:138 Resp: 6997
Ion Ratio Lower Upper
138 100
92 41.3 40.9 80.9
108 89.0 104.3 144.3#

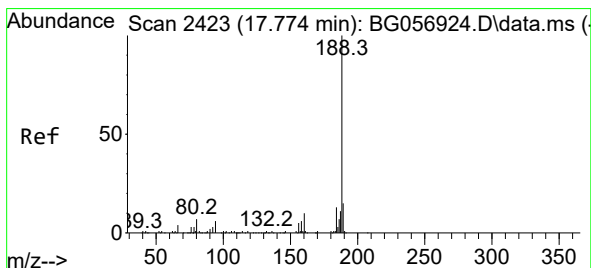
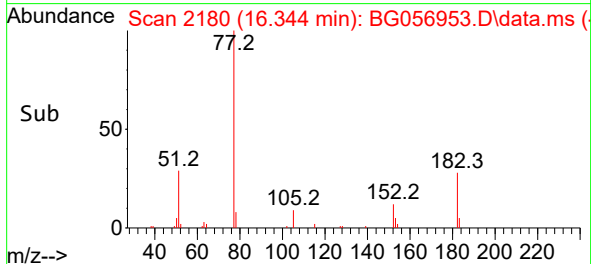
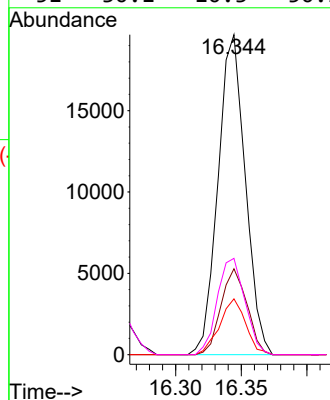
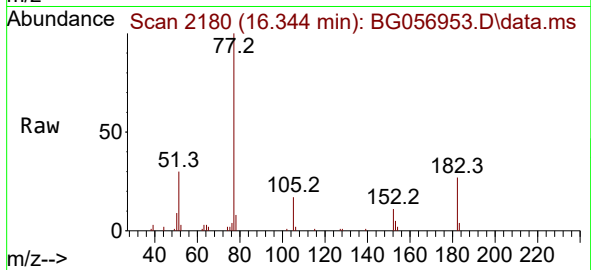




#63
Azobenzene
Concen: 6.719 ng
RT: 16.344 min Scan# 2180
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

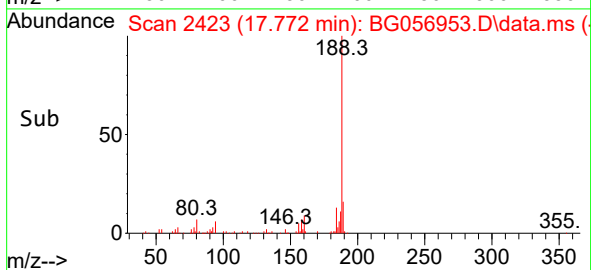
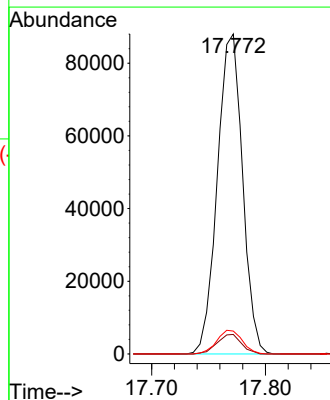
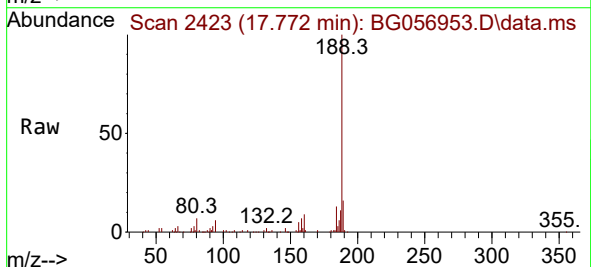
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

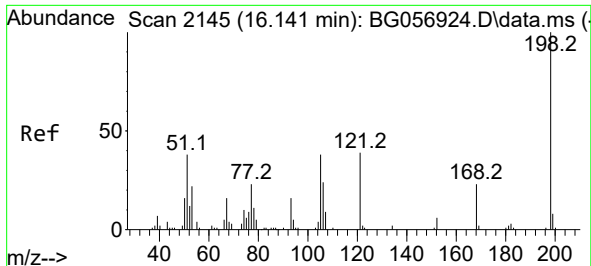
Tgt Ion: 77	Resp: 28391
Ion Ratio	Lower Upper
77 100	
182 26.9	5.9 45.9
105 17.5	0.0 36.8
51 30.1	10.3 50.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.772 min Scan# 2423
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:188	Resp: 135337		
Ion Ratio	Lower	Upper	
188 100			
94 6.1	4.6	6.8	
80 7.2	5.5	8.3	

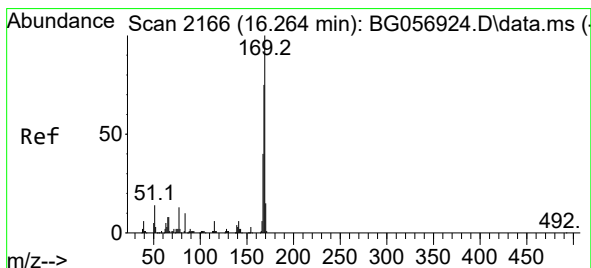
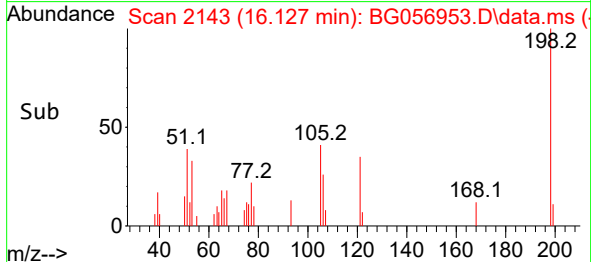
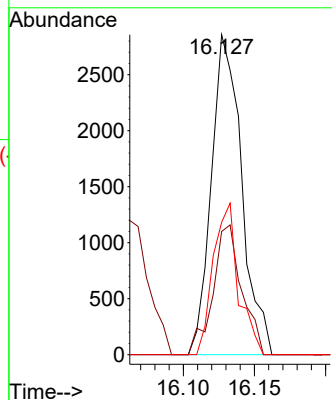
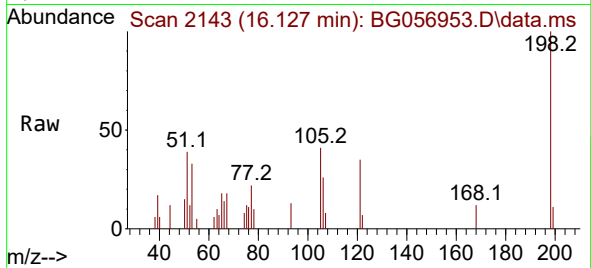




#65
4,6-Dinitro-2-methylphenol
Concen: 5.159 ng
RT: 16.127 min Scan# 2143
Delta R.T. -0.014 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

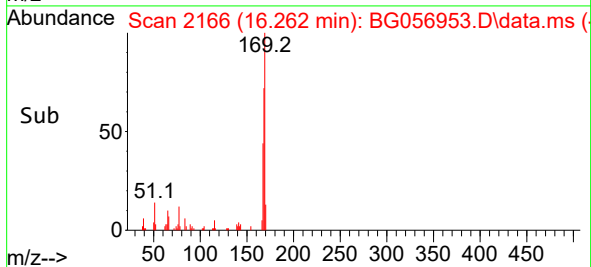
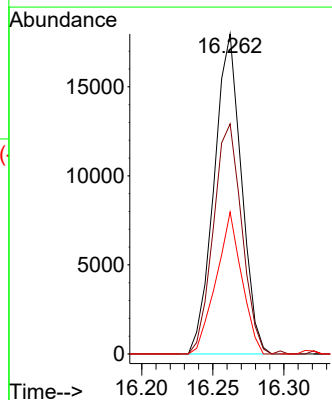
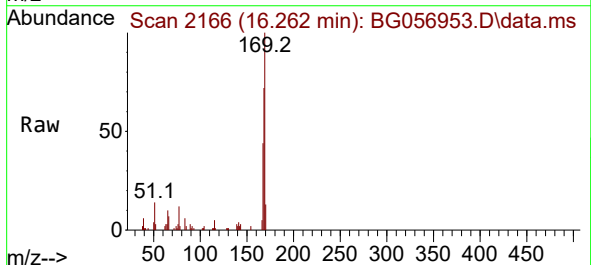
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

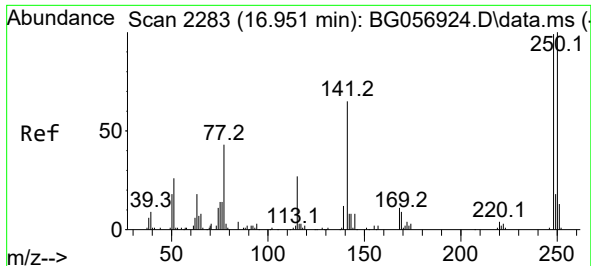
Tgt Ion:198 Resp: 4229
Ion Ratio Lower Upper
198 100
51 38.5 20.5 60.5
105 41.3 18.1 58.1



#66
n-Nitrosodiphenylamine
Concen: 6.605 ng
RT: 16.262 min Scan# 2166
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:169 Resp: 23996
Ion Ratio Lower Upper
169 100
168 71.9 59.6 89.4
167 44.3 31.8 47.8

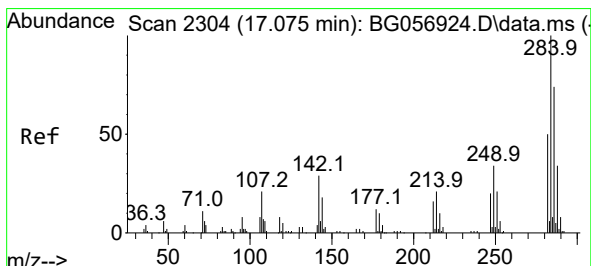
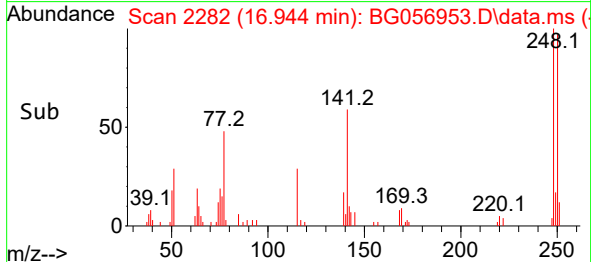
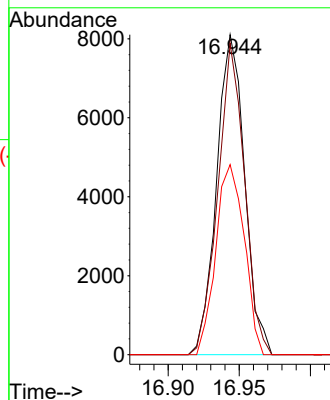
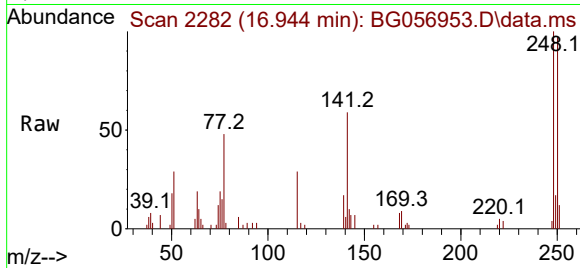




#67
4-Bromophenyl-phenylether
Concen: 6.632 ng
RT: 16.944 min Scan# 21106
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

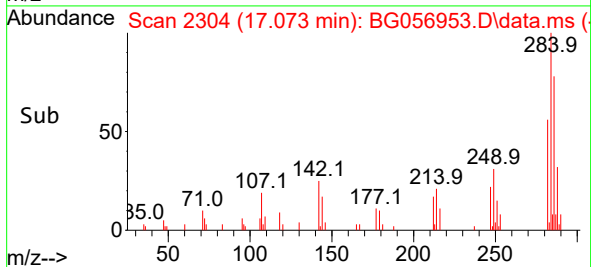
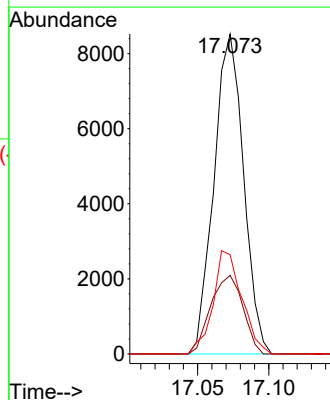
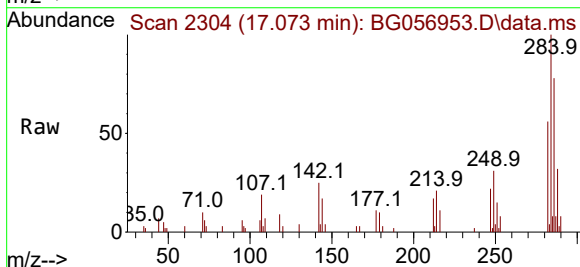
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

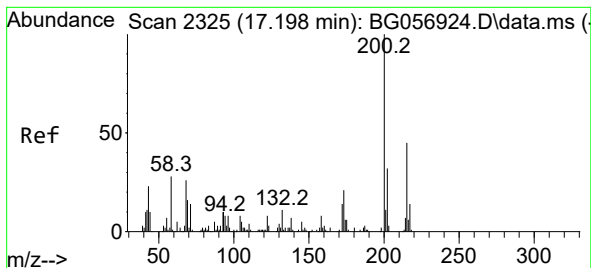
Tgt Ion:248 Resp: 11106
Ion Ratio Lower Upper
248 100
250 97.3 80.5 120.7
141 59.4 52.0 78.0



#68
Hexachlorobenzene
Concen: 7.454 ng
RT: 17.073 min Scan# 2304
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:284 Resp: 12341
Ion Ratio Lower Upper
284 100
142 24.5 23.0 34.4
249 31.0 27.1 40.7





#69

Atrazine

Concen: 7.156 ng

RT: 17.190 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG056953.D

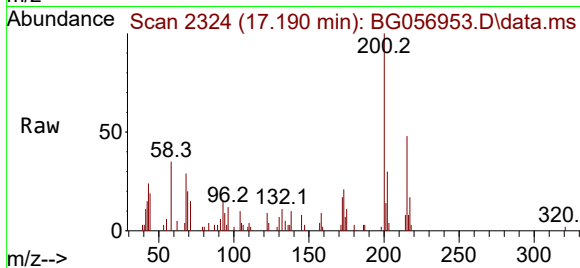
Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



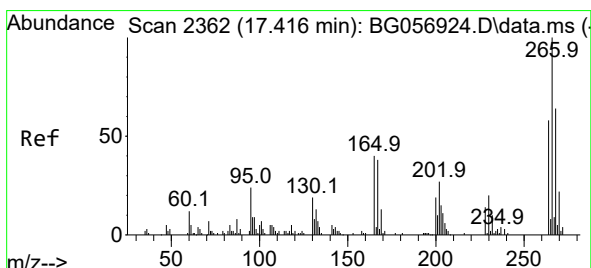
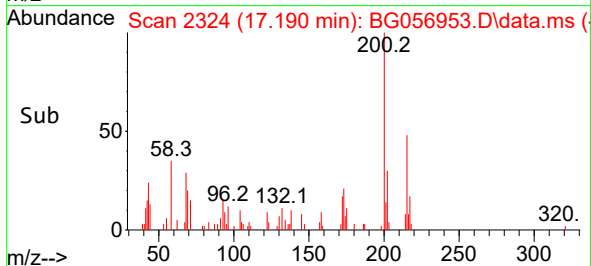
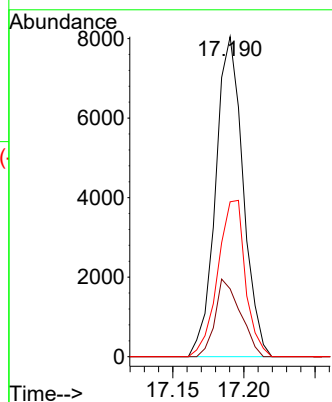
Tgt Ion:200 Resp: 10792

Ion Ratio Lower Upper

200 100

173 21.2 1.0 41.0

215 48.4 25.0 65.0



#70

Pentachlorophenol

Concen: 4.256 ng

RT: 17.413 min Scan# 2362

Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

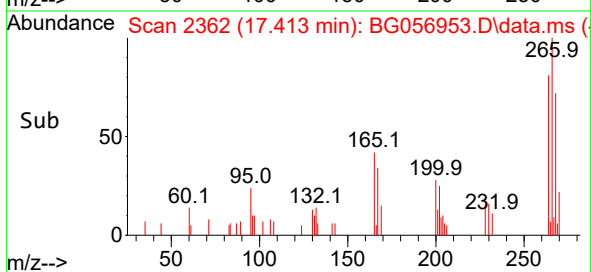
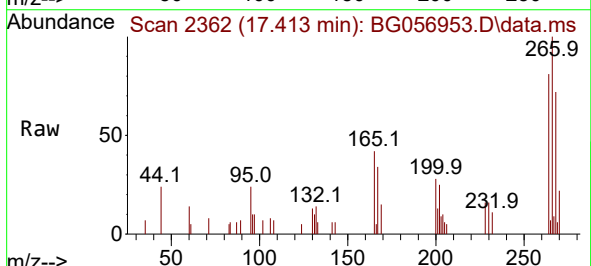
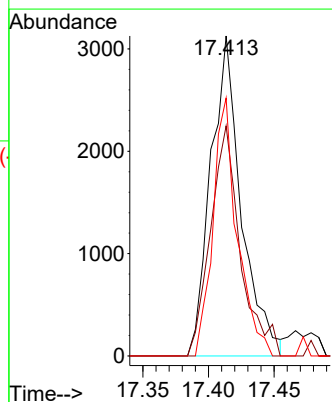
Tgt Ion:266 Resp: 5055

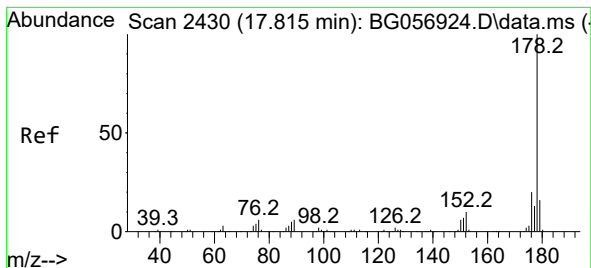
Ion Ratio Lower Upper

266 100

268 71.9 51.0 76.6

264 80.6 46.8 70.2#





#71

Phenanthrene

Concen: 6.793 ng

RT: 17.813 min Scan# 2430

Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

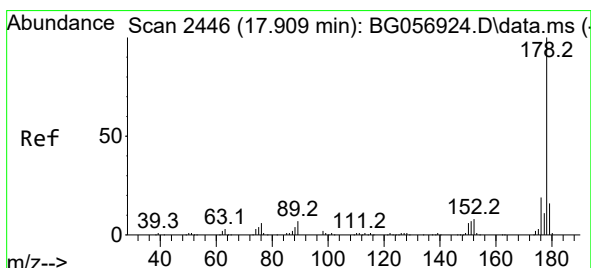
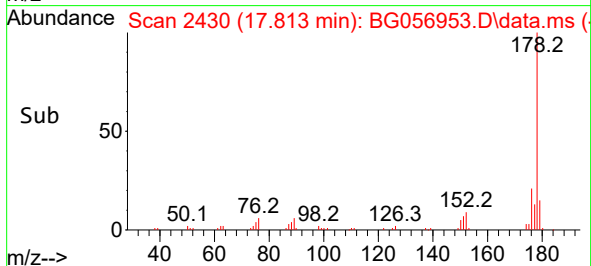
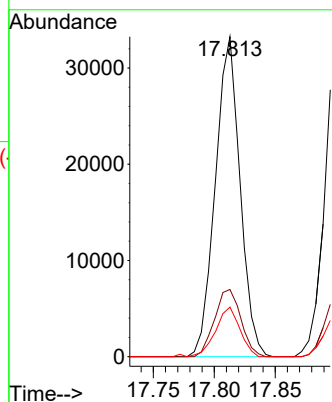
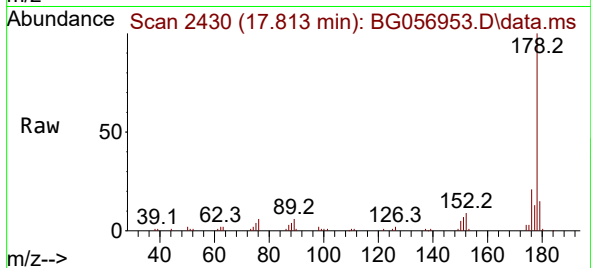
Tgt Ion:178 Resp: 46870

Ion Ratio Lower Upper

178 100

176 21.0 16.2 24.2

179 15.5 12.5 18.7



#72

Anthracene

Concen: 7.012 ng

RT: 17.901 min Scan# 2445

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

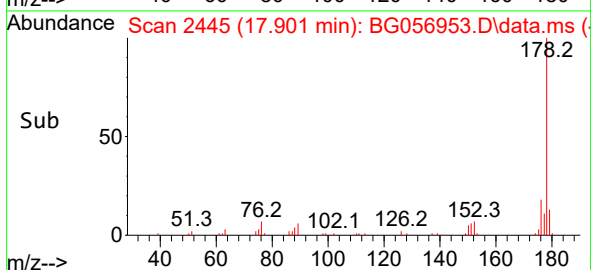
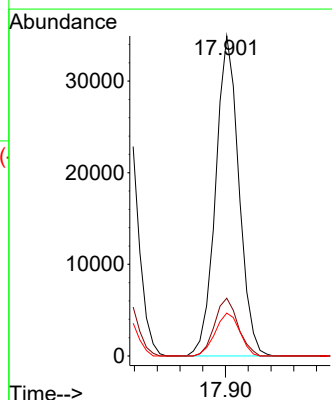
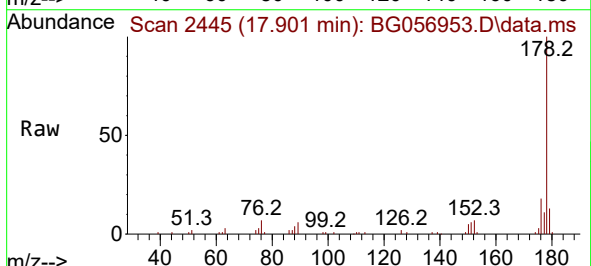
Tgt Ion:178 Resp: 49599

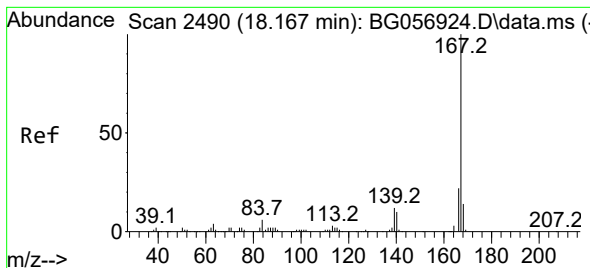
Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

179 13.4 12.4 18.6





#73

Carbazole

Concen: 6.959 ng

RT: 18.165 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG056953.D

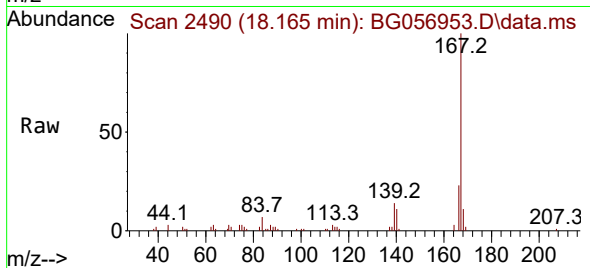
Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



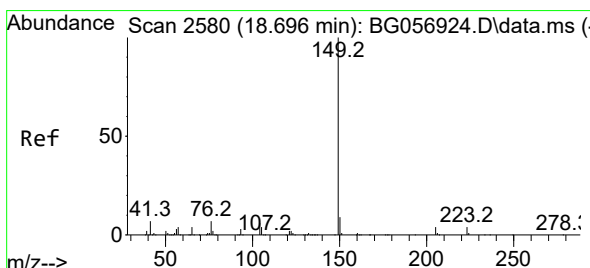
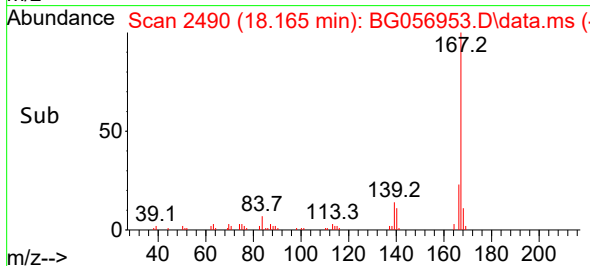
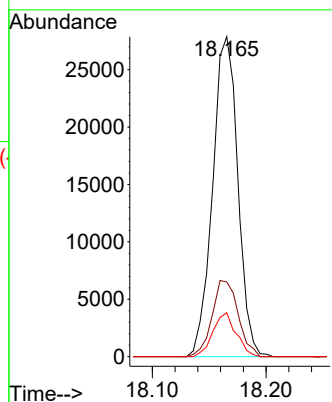
Tgt Ion:167 Resp: 42915

Ion Ratio Lower Upper

167 100

166 23.4 17.9 26.9

139 13.7 9.5 14.3



#74

Di-n-butylphthalate

Concen: 6.666 ng

RT: 18.688 min Scan# 2579

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

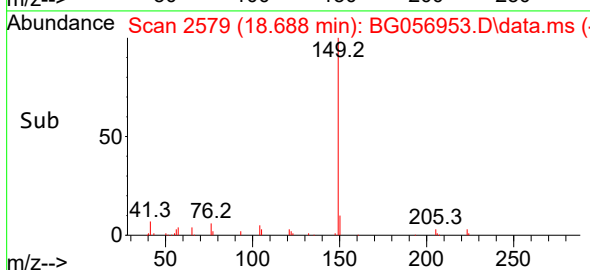
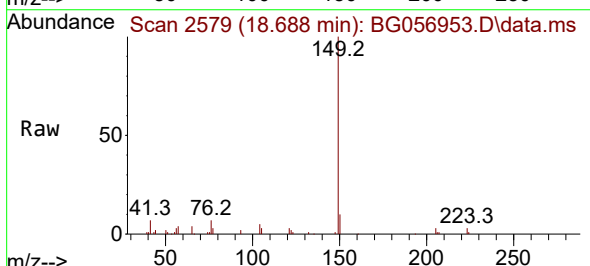
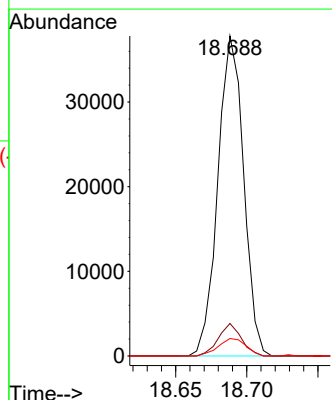
Tgt Ion:149 Resp: 47604

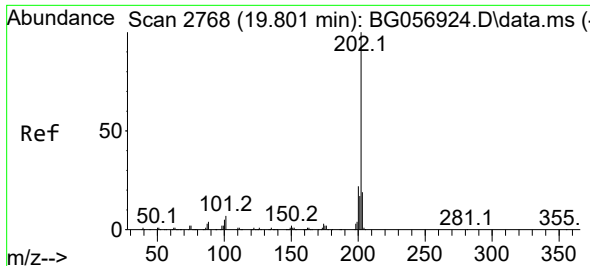
Ion Ratio Lower Upper

149 100

150 10.2 7.4 11.0

104 5.5 4.9 7.3

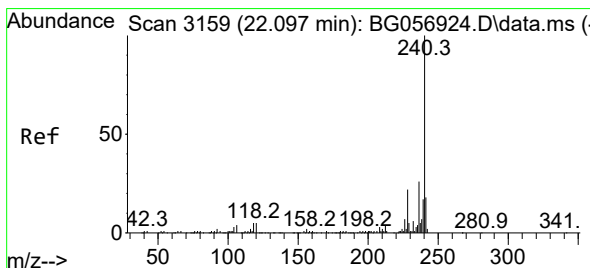
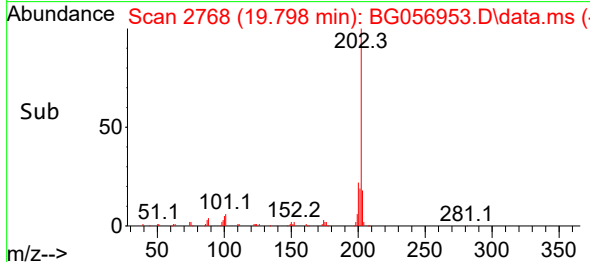
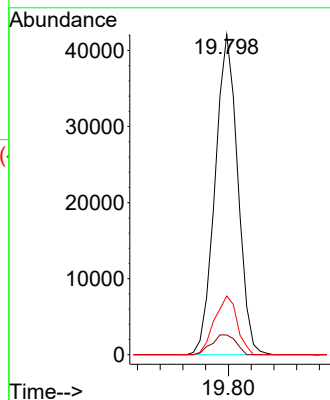
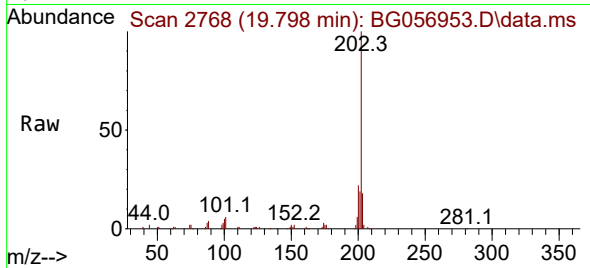




#75
Fluoranthene
Concen: 6.663 ng
RT: 19.798 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

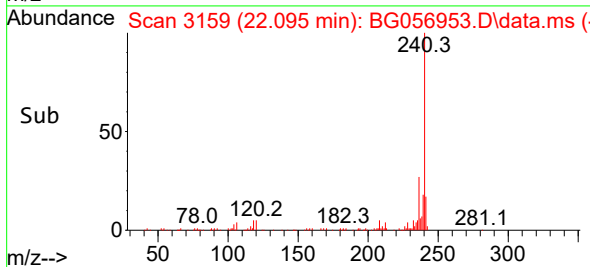
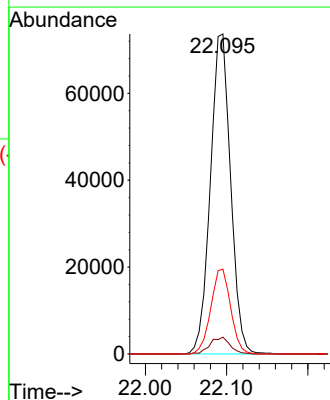
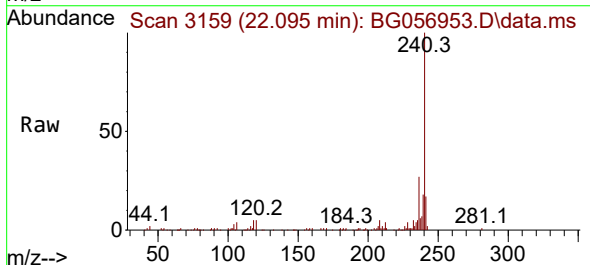
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

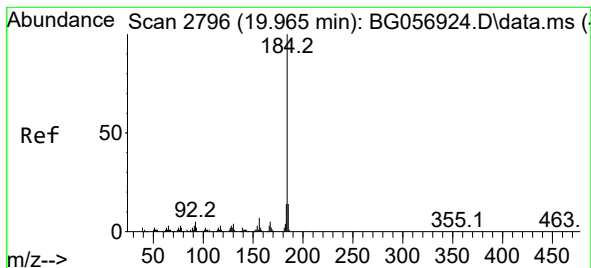
Tgt Ion:202 Resp: 58281
Ion Ratio Lower Upper
202 100
101 6.2 0.0 26.7
203 18.4 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.095 min Scan# 3159
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:240 Resp: 127220
Ion Ratio Lower Upper
240 100
120 5.3 3.8 5.6
236 26.5 21.0 31.6





#77

Benzidine

Concen: 9.604 ng

RT: 19.963 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

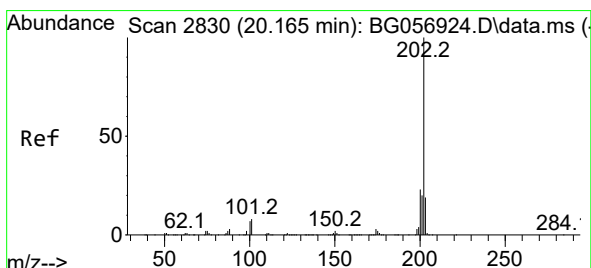
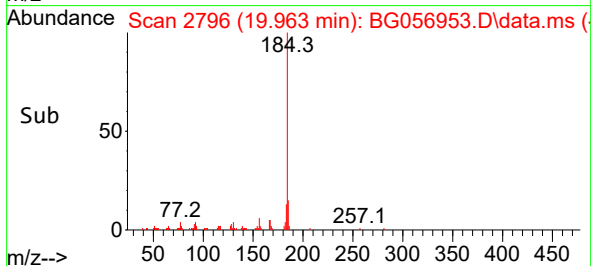
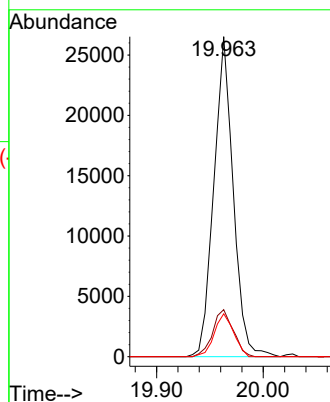
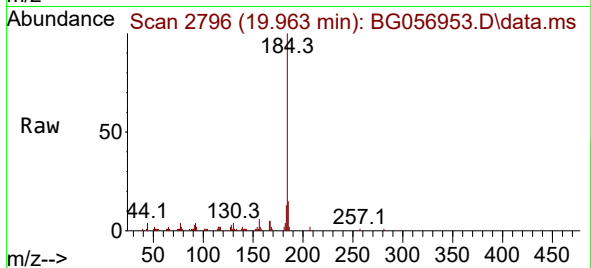
Tgt Ion:184 Resp: 33395

Ion Ratio Lower Upper

184 100

185 14.7 11.0 16.4

183 13.4 11.4 17.0



#78

Pyrene

Concen: 6.785 ng

RT: 20.157 min Scan# 2829

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

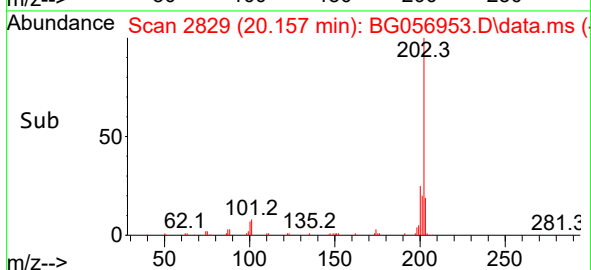
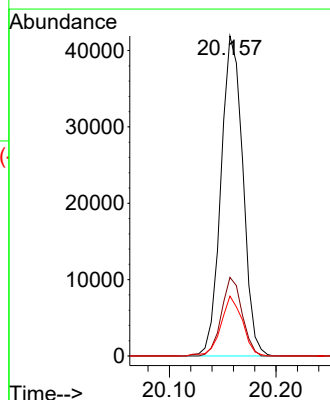
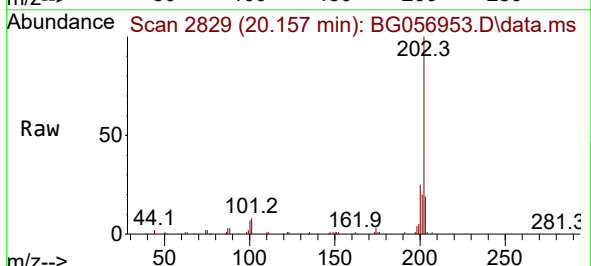
Tgt Ion:202 Resp: 59699

Ion Ratio Lower Upper

202 100

200 24.5 18.7 28.1

203 18.7 15.4 23.2

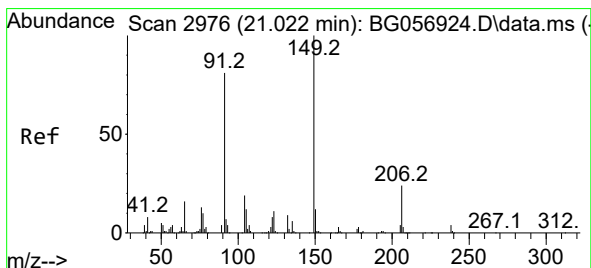
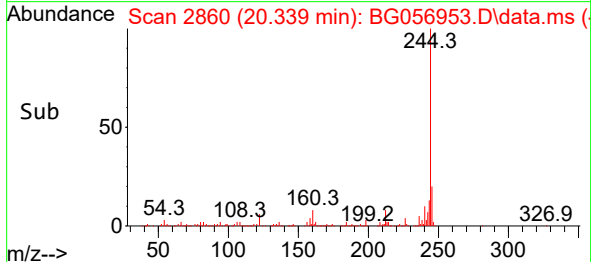
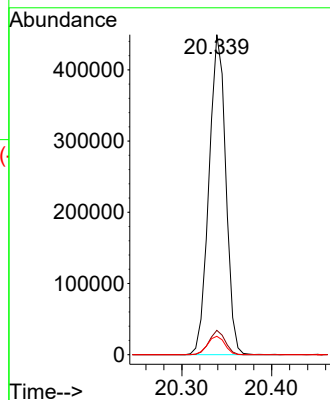
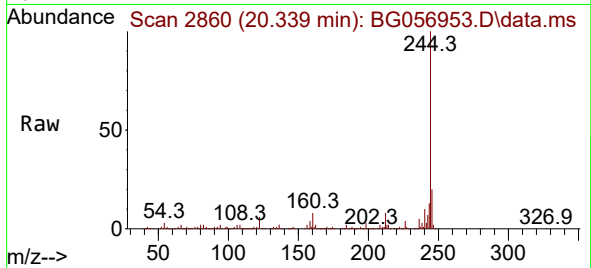




#79
 Terphenyl-d14
 Concen: 77.715 ng
 RT: 20.339 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG056953.D
 Acq: 3 Apr 2023 11:47

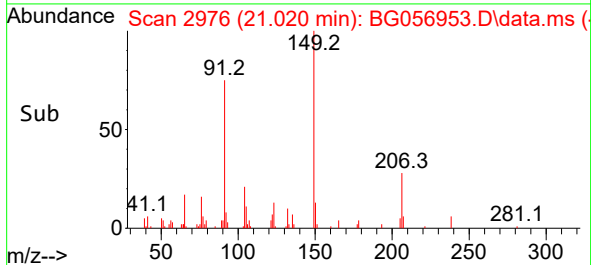
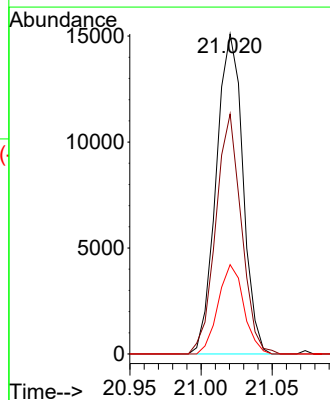
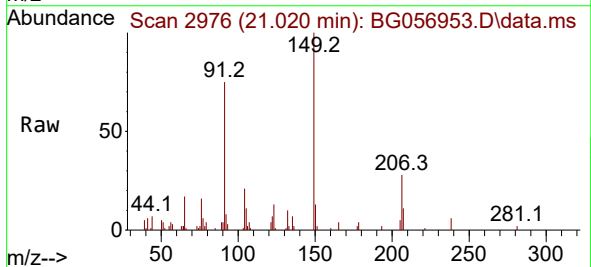
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023

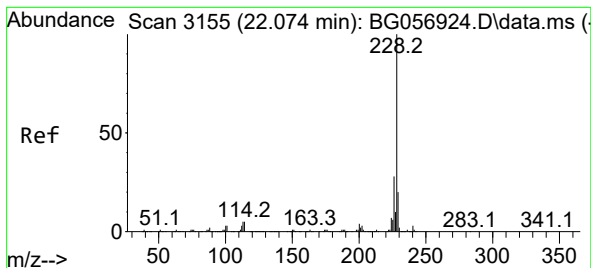
Tgt Ion:244 Resp: 584277
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 5.7 5.0 7.4



#80
 Butylbenzylphthalate
 Concen: 6.505 ng
 RT: 21.020 min Scan# 2976
 Delta R.T. -0.002 min
 Lab File: BG056953.D
 Acq: 3 Apr 2023 11:47

Tgt Ion:149 Resp: 19696
 Ion Ratio Lower Upper
 149 100
 91 75.0 64.4 96.6
 206 27.9 18.9 28.3





#81

Benzo(a)anthracene

Concen: 6.901 ng

RT: 22.072 min Scan# 3155

Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

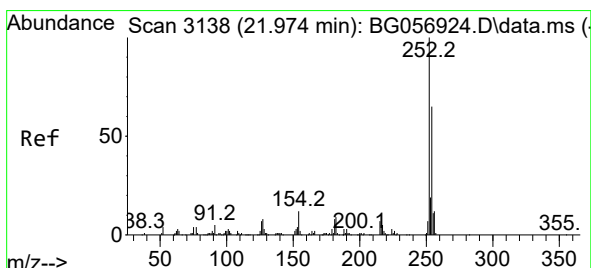
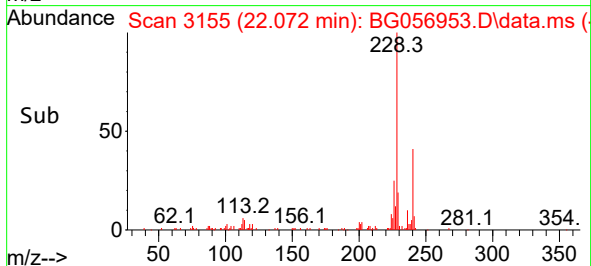
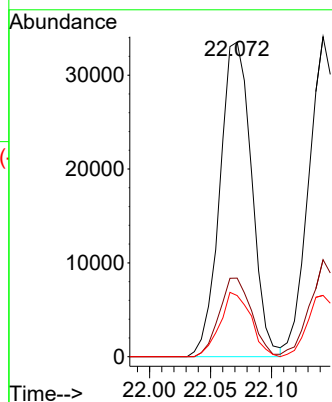
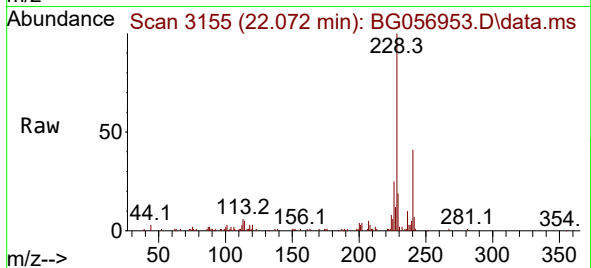
Tgt Ion:228 Resp: 60751

Ion Ratio Lower Upper

228 100

226 25.0 22.1 33.1

229 19.4 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 8.014 ng

RT: 21.966 min Scan# 3137

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

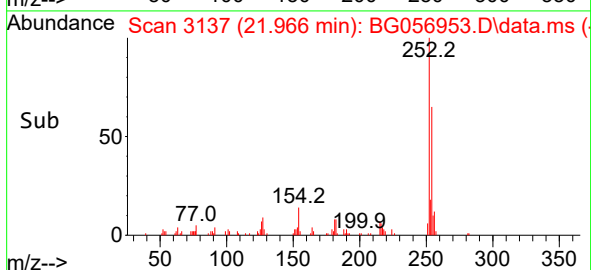
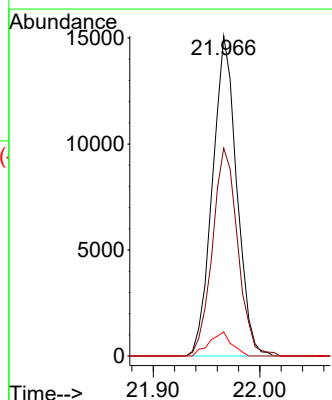
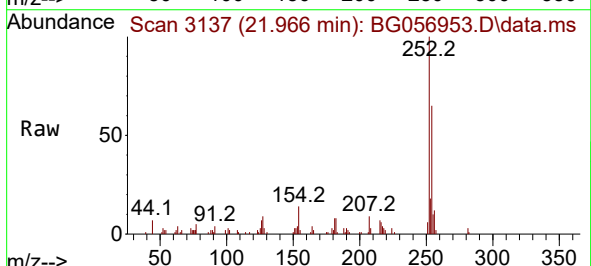
Tgt Ion:252 Resp: 23823

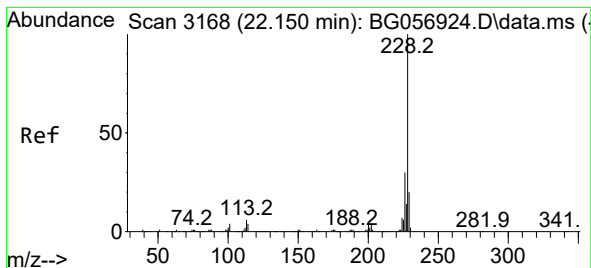
Ion Ratio Lower Upper

252 100

254 65.0 51.7 77.5

126 7.5 5.6 8.4





#83

Chrysene

Concen: 7.017 ng

RT: 22.142 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

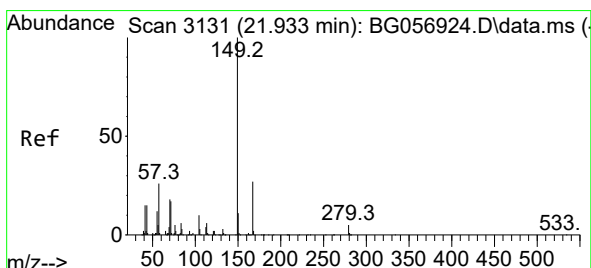
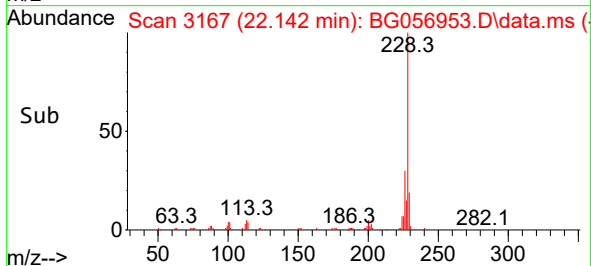
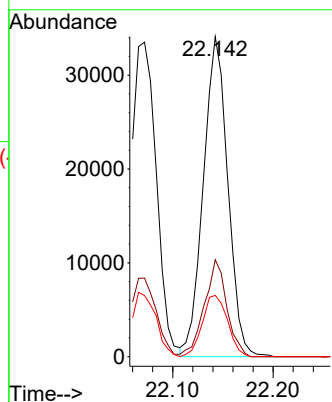
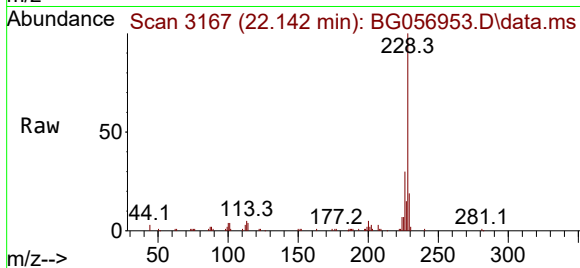
Tgt Ion:228 Resp: 57843

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

229 19.1 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.660 ng

RT: 21.925 min Scan# 3130

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

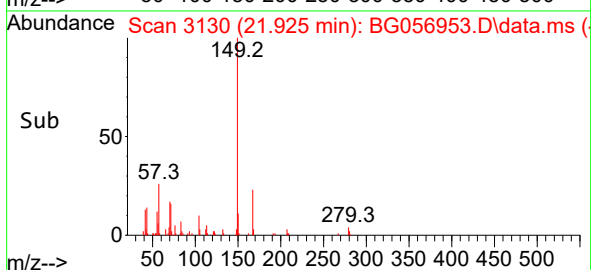
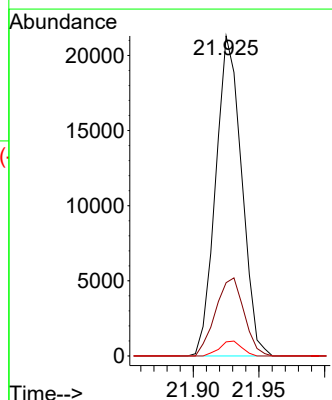
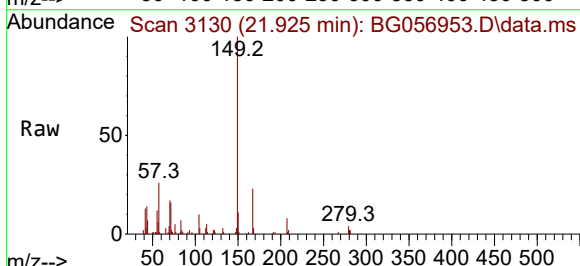
Tgt Ion:149 Resp: 29202

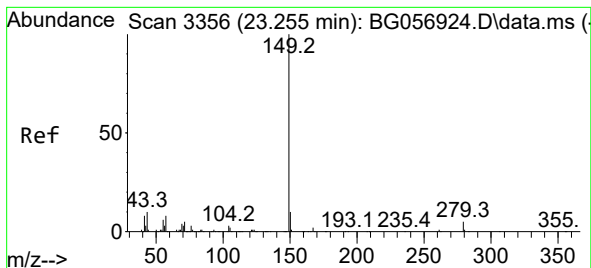
Ion Ratio Lower Upper

149 100

167 22.9 21.4 32.2

279 4.4 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 6.523 ng

RT: 23.247 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

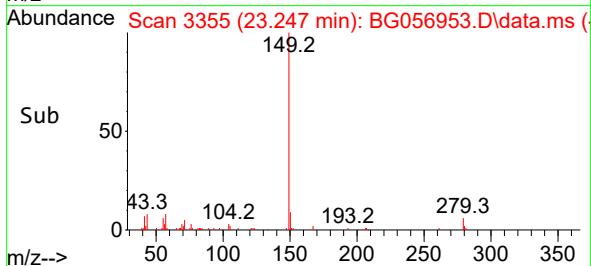
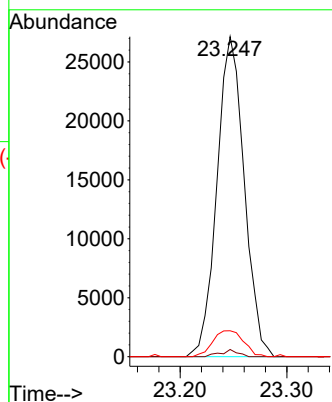
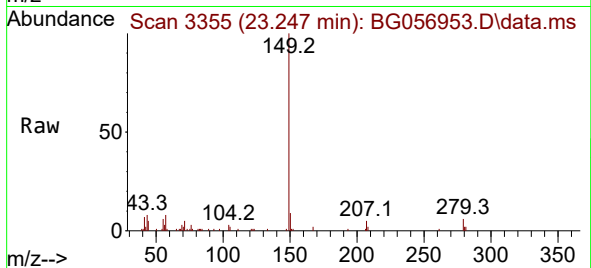
Tgt Ion:149 Resp: 48194

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

43 9.2 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.638 min Scan# 3762

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

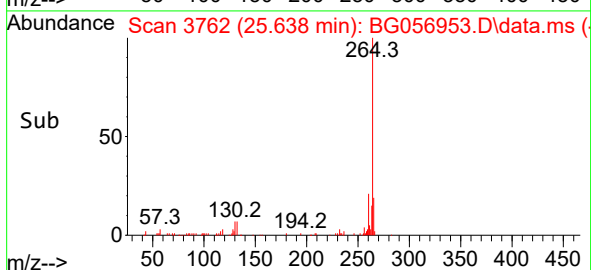
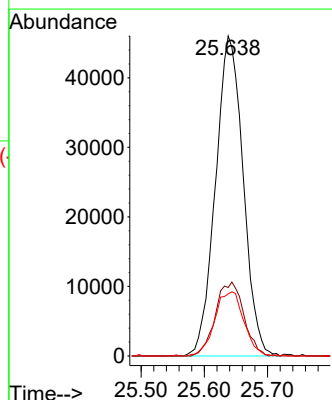
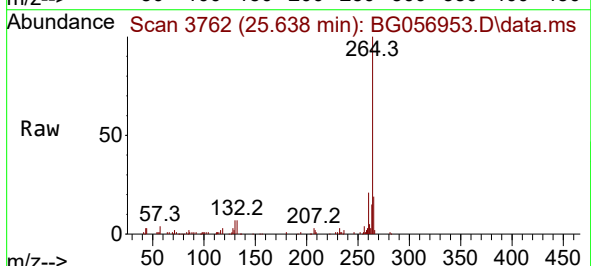
Tgt Ion:264 Resp: 139644

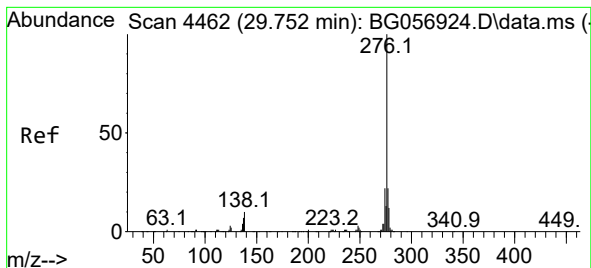
Ion Ratio Lower Upper

264 100

260 21.4 19.0 28.4

265 19.4 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.005 ng

RT: 29.720 min Scan# 4462

Delta R.T. -0.031 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

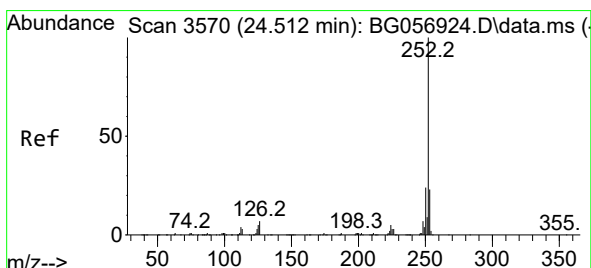
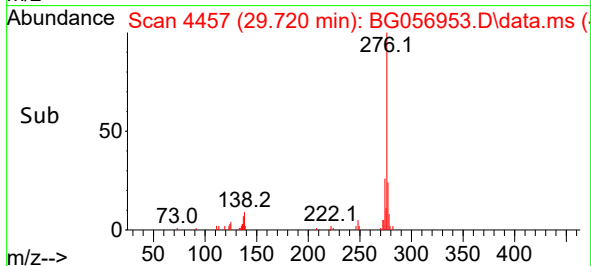
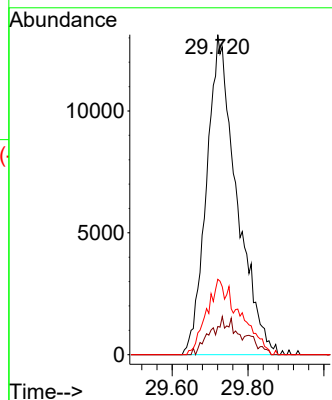
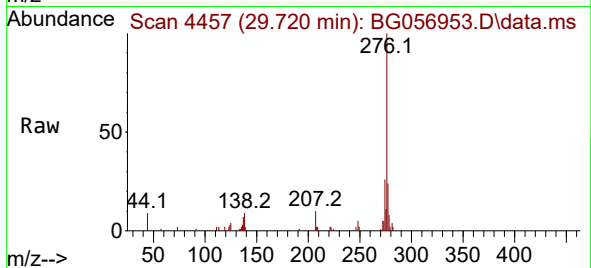
Tgt Ion:276 Resp: 72298

Ion Ratio Lower Upper

276 100

138 1.2 7.7 11.5#

277 17.9 21.0 31.4#



#88

Benzo(b)fluoranthene

Concen: 6.960 ng

RT: 24.498 min Scan# 3568

Delta R.T. -0.014 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

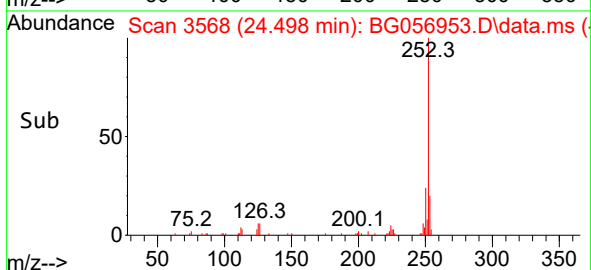
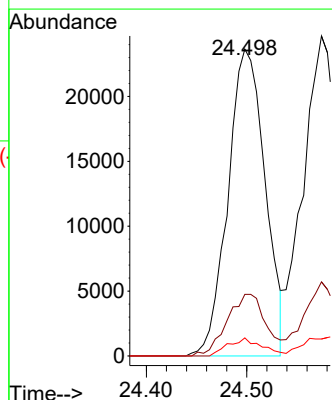
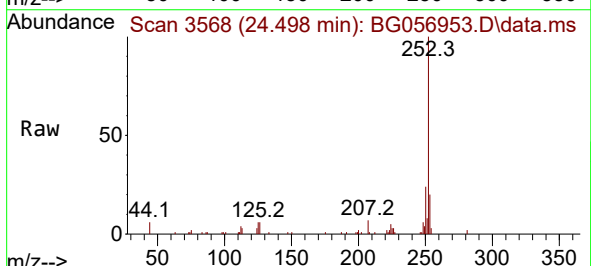
Tgt Ion:252 Resp: 60778

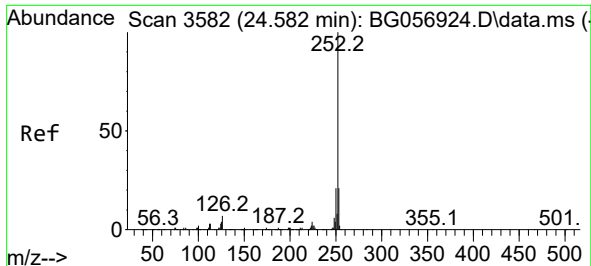
Ion Ratio Lower Upper

252 100

253 20.1 18.1 27.1

125 5.9 4.2 6.4

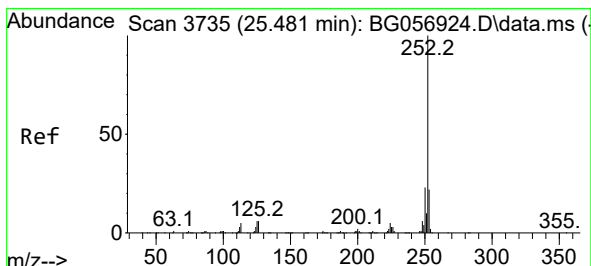
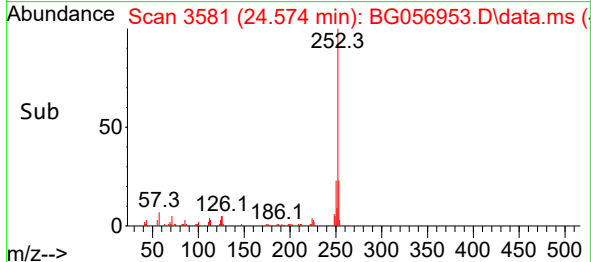
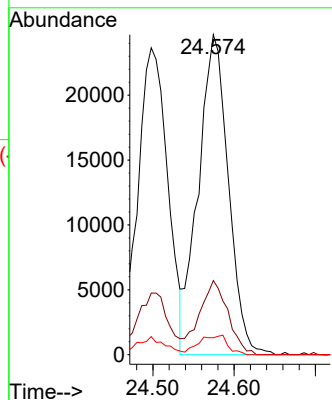
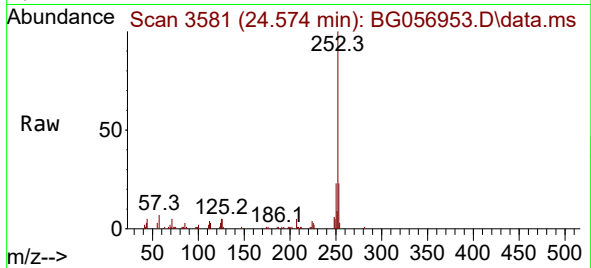




#89
Benzo(k)fluoranthene
Concen: 7.276 ng
RT: 24.574 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

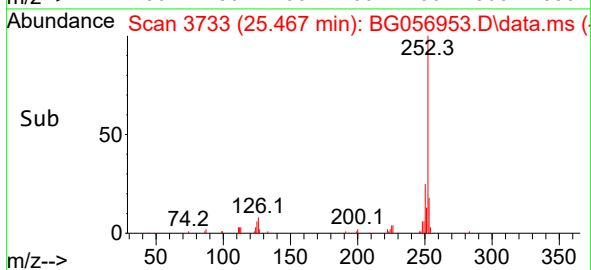
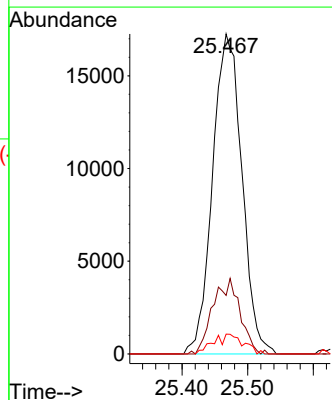
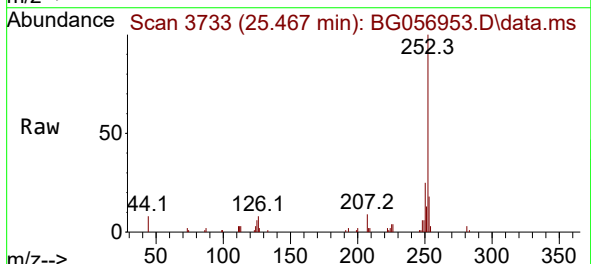
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

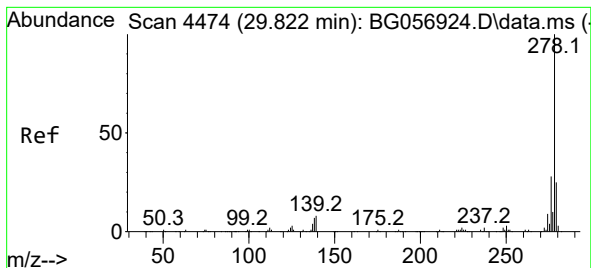
Tgt Ion:252 Resp: 63433
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 5.3 3.8 5.6



#90
Benzo(a)pyrene
Concen: 6.235 ng
RT: 25.467 min Scan# 3733
Delta R.T. -0.014 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:252 Resp: 53502
Ion Ratio Lower Upper
252 100
253 18.3 17.6 26.4
125 6.2 4.5 6.7





#91

Dibenzo(a,h)anthracene

Concen: 7.023 ng

RT: 29.797 min Scan# 4470

Delta R.T. -0.026 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

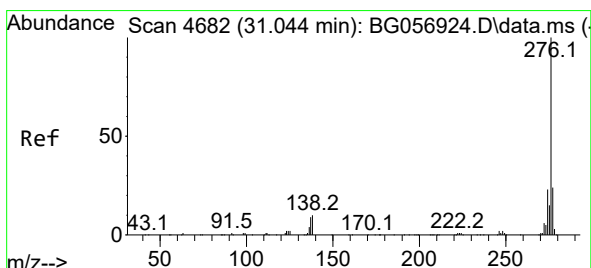
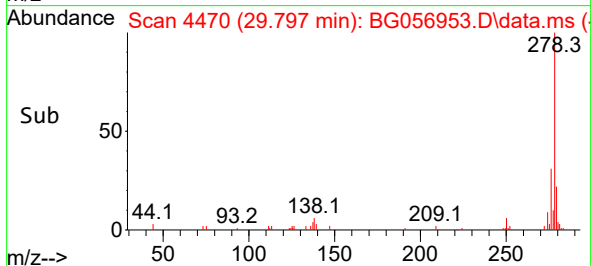
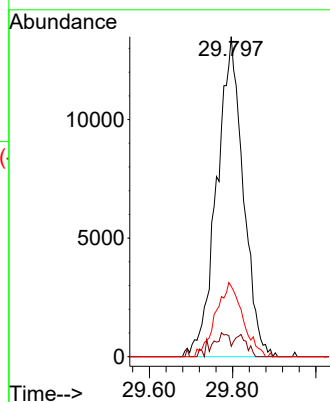
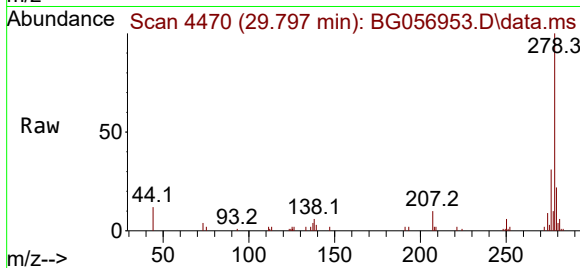
Tgt Ion:278 Resp: 59580

Ion Ratio Lower Upper

278 100

139 3.3 6.4 9.6#

279 22.0 20.2 30.2



#92

Benzo(g,h,i)perylene

Concen: 6.835 ng

RT: 31.019 min Scan# 4678

Delta R.T. -0.026 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Tgt Ion:276 Resp: 56772

Ion Ratio Lower Upper

276 100

277 23.3 19.1 28.7

138 11.8 8.2 12.2

