

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013123\
 Data File : BG056482.D
 Acq On : 31 Jan 2023 12:08
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Feb 01 01:22:01 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	25645	20.000	ng	0.00
21) Naphthalene-d8	11.108	136	100700	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	86071	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	242890	20.000	ng	0.00
76) Chrysene-d12	21.925	240	251734	20.000	ng	0.00
86) Perylene-d12	25.339	264	277081	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	165123	118.447	ng	0.00
7) Phenol-d6	7.418	99	233597	113.092	ng	0.00
23) Nitrobenzene-d5	9.451	82	137387	77.473	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	132742	116.007	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	464076	74.753	ng	0.00
79) Terphenyl-d14	20.209	244	1061589	74.068	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.599	88	6403	11.030	ng	# 97
3) Pyridine	4.028	79	16785	9.700	ng	# 91
4) n-Nitrosodimethylamine	3.928	42	3615	9.824	ng	# 95
6) Aniline	7.589	93	26242	9.704	ng	98
8) 2-Chlorophenol	7.836	128	15051	9.828	ng	98
9) Benzaldehyde	7.401	77	13216	11.183	ng	96
10) Phenol	7.442	94	20647	9.835	ng	90
11) bis(2-Chloroethyl)ether	7.677	93	14451	10.015	ng	92
12) 1,3-Dichlorobenzene	8.165	146	18405	10.438	ng	98
13) 1,4-Dichlorobenzene	8.311	146	19287	10.801	ng	97
14) 1,2-Dichlorobenzene	8.635	146	18496	10.676	ng	95
15) Benzyl Alcohol	8.517	79	12592	8.885	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.799	45	2862	9.361	ng	87
17) 2-Methylphenol	8.717	107	13696	8.575	ng	89
18) Hexachloroethane	9.375	117	5792	10.724	ng	91
19) n-Nitroso-di-n-propyla...	9.075	70	11570	9.720	ng	94
20) 3+4-Methylphenols	9.046	107	19247	8.599	ng	94
22) Acetophenone	9.099	105	27148	10.147	ng	# 95
24) Nitrobenzene	9.492	77	17596	10.287	ng	89
25) Isophorone	10.015	82	35022	9.573	ng	97
26) 2-Nitrophenol	10.215	139	10179	9.808	ng	95
27) 2,4-Dimethylphenol	10.256	122	15446	8.893	ng	96
28) bis(2-Chloroethoxy)met...	10.491	93	20048	9.920	ng	90
29) 2,4-Dichlorophenol	10.756	162	18915	9.675	ng	94
30) 1,2,4-Trichlorobenzene	10.967	180	21660	9.970	ng	95
31) Naphthalene	11.161	128	52327	9.845	ng	96
32) Benzoic acid	10.374	122	7859	8.087	ng	91
33) 4-Chloroaniline	11.261	127	23878	9.624	ng	95
34) Hexachlorobutadiene	11.437	225	15639	10.255	ng	98
35) Caprolactam	12.007	113	6682	10.134	ng	96
36) 4-Chloro-3-methylphenol	12.360	107	18474	9.785	ng	93
37) 2-Methylnaphthalene	12.742	142	41090	9.377	ng	99
38) 1-Methylnaphthalene	12.959	142	39571	9.670	ng	98
40) 1,2,4,5-Tetrachloroben...	13.106	216	31082	9.885	ng	99
41) Hexachlorocyclopentadiene	13.076	237	8580	11.109	ng	99
43) 2,4,6-Trichlorophenol	13.341	196	18089	8.927	ng	97

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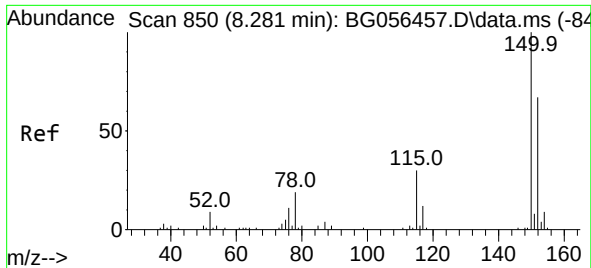
Quant Time: Feb 01 01:22:01 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.423	196	20573	8.671	ng	98
46) 1,1'-Biphenyl	13.729	154	60893	9.754	ng	95
47) 2-Chloronaphthalene	13.782	162	48388	9.916	ng	98
48) 2-Nitroaniline	13.975	65	10064	9.977	ng	85
49) Acenaphthylene	14.622	152	77324	9.740	ng	99
50) Dimethylphthalate	14.334	163	69347	9.959	ng	97
51) 2,6-Dinitrotoluene	14.463	165	14668	9.659	ng	93
52) Acenaphthene	14.957	154	45547	9.674	ng	98
53) 3-Nitroaniline	14.792	138	14586	9.908	ng	93
54) 2,4-Dinitrophenol	15.010	184	5635	5.919	ng	93
55) Dibenzofuran	15.292	168	83262	9.861	ng	99
56) 4-Nitrophenol	15.104	139	9430	9.374	ng	88
57) 2,4-Dinitrotoluene	15.245	165	21769	10.177	ng	97
58) Fluorene	15.932	166	68871	10.251	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.515	232	20285	9.616	ng	# 98
60) Diethylphthalate	15.679	149	68063	10.409	ng	99
61) 4-Chlorophenyl-phenyle...	15.920	204	40618	9.908	ng	97
62) 4-Nitroaniline	15.950	138	15749	10.691	ng	91
63) Azobenzene	16.208	77	45519	10.117	ng	94
65) 4,6-Dinitro-2-methylph...	16.014	198	12736	7.458	ng	97
66) n-Nitrosodiphenylamine	16.132	169	61807	8.988	ng	95
67) 4-Bromophenyl-phenylether	16.813	248	27816	8.946	ng	92
68) Hexachlorobenzene	16.937	284	30001	9.851	ng	93
69) Atrazine	17.060	200	30555	11.517	ng	94
70) Pentachlorophenol	17.289	266	8346	4.529	ng	94
71) Phenanthrene	17.677	178	125113	9.842	ng	99
72) Anthracene	17.765	178	127396	9.762	ng	98
73) Carbazole	18.030	167	113676	10.228	ng	98
74) Di-n-butylphthalate	18.558	149	114288	9.793	ng	99
75) Fluoranthene	19.669	202	167222	10.422	ng	99
77) Benzidine	19.833	184	93691	13.753	ng	98
78) Pyrene	20.027	202	169272	9.455	ng	99
80) Butylbenzylphthalate	20.885	149	48654	8.898	ng	98
81) Benzo(a)anthracene	21.901	228	172498	9.802	ng	99
82) 3,3'-Dichlorobenzidine	21.802	252	71085	11.216	ng	95
83) Chrysene	21.972	228	161738	9.782	ng	96
84) Bis(2-ethylhexyl)phtha...	21.760	149	71277	9.092	ng	96
85) Di-n-octyl phthalate	23.030	149	120811	9.254	ng	99
87) Indeno(1,2,3-cd)pyrene	29.275	276	190868	9.410	ng	# 80
88) Benzo(b)fluoranthene	24.246	252	178298	10.367	ng	97
89) Benzo(k)fluoranthene	24.316	252	173334	9.982	ng	98
90) Benzo(a)pyrene	25.174	252	154744	9.134	ng	# 99
91) Dibenzo(a,h)anthracene	29.322	278	168132	9.875	ng	98
92) Benzo(g,h,i)perylene	30.515	276	163630	9.961	ng	99

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

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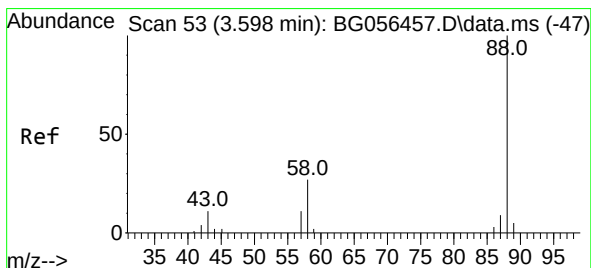
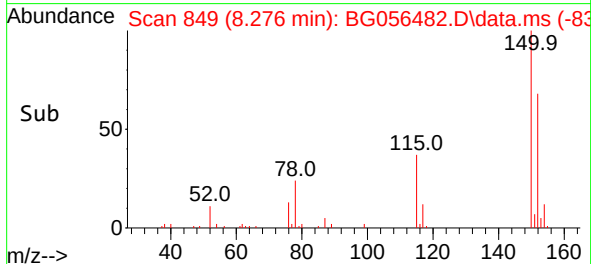
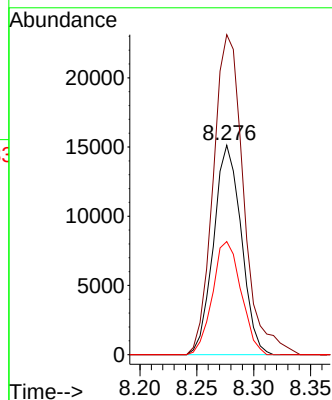
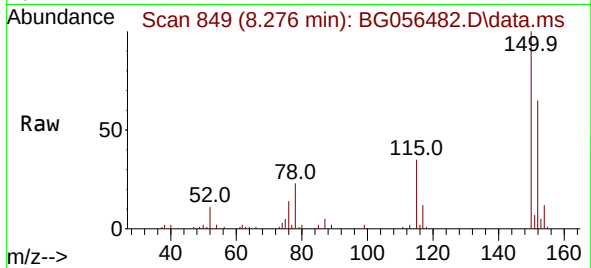




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.276 min Scan# 84
 Delta R.T. 0.001 min
 Lab File: BG056482.D
 Acq: 31 Jan 2023 12:08

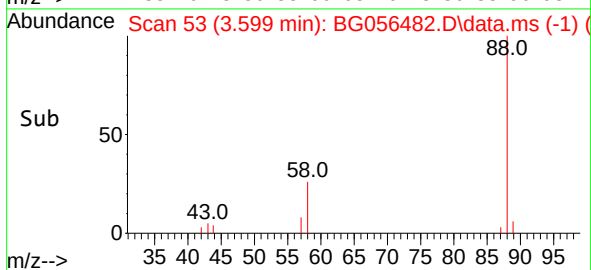
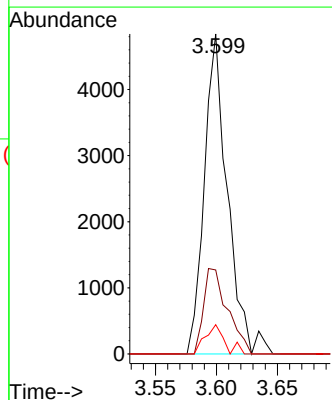
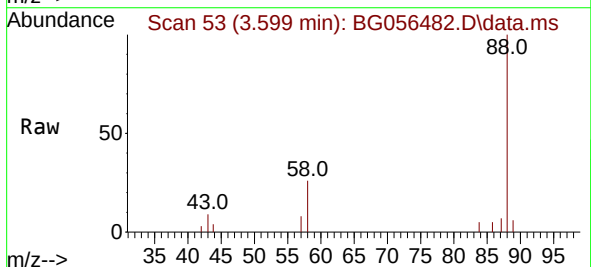
Instrument :
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 LOD-MDL-SOIL-01-QT3-2022

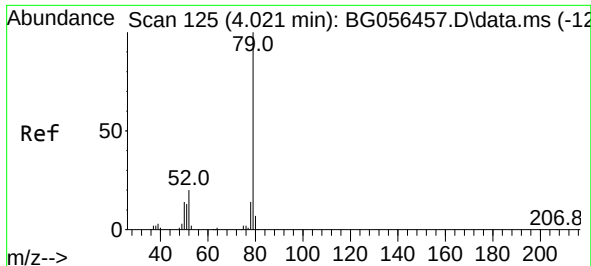
Tgt Ion:152 Resp: 25645
 Ion Ratio Lower Upper
 152 100
 150 152.8 120.2 180.4
 115 54.0 36.3 54.5



#2
 1,4-Dioxane
 Concen: 11.030 ng
 RT: 3.599 min Scan# 53
 Delta R.T. 0.001 min
 Lab File: BG056482.D
 Acq: 31 Jan 2023 12:08

Tgt Ion: 88 Resp: 6403
 Ion Ratio Lower Upper
 88 100
 58 27.6 23.0 34.4
 43 7.6 8.0 12.0#

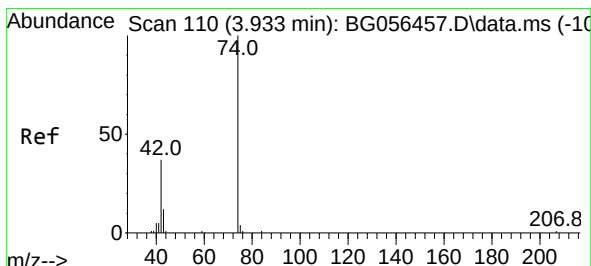
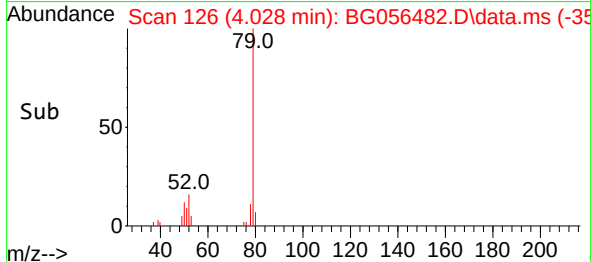
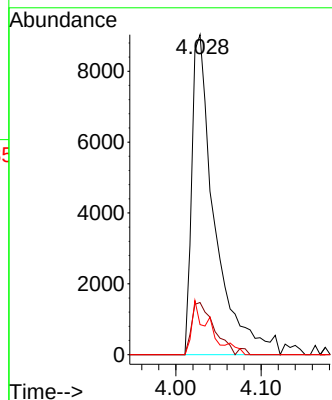
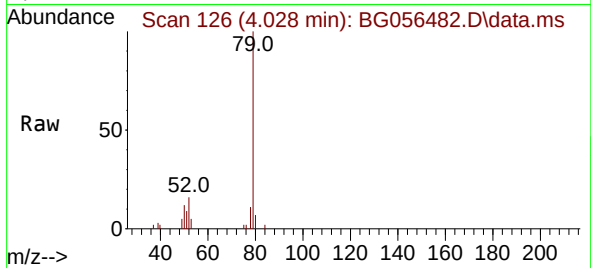




#3
 Pyridine
 Concen: 9.700 ng
 RT: 4.028 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: BG056482.D
 Acq: 31 Jan 2023 12:08

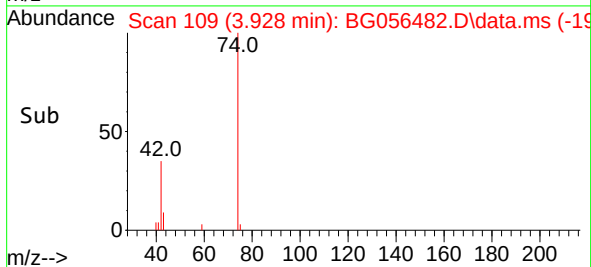
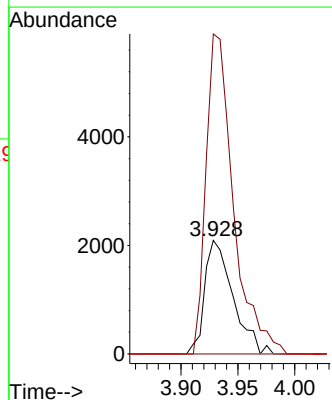
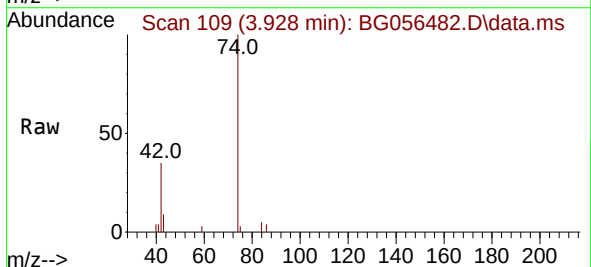
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

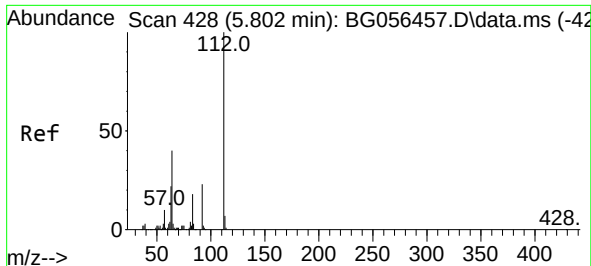
Tgt Ion: 79 Resp: 16785
 Ion Ratio Lower Upper
 79 100
 52 16.3 16.1 24.1
 51 9.4 10.7 16.1#



#4
 n-Nitrosodimethylamine
 Concen: 9.824 ng
 RT: 3.928 min Scan# 109
 Delta R.T. 0.001 min
 Lab File: BG056482.D
 Acq: 31 Jan 2023 12:08

Tgt Ion: 42 Resp: 3615
 Ion Ratio Lower Upper
 42 100
 74 281.9 217.9 326.9
 44 0.0 3.0 4.6#

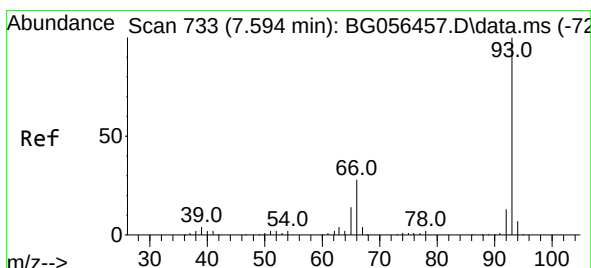
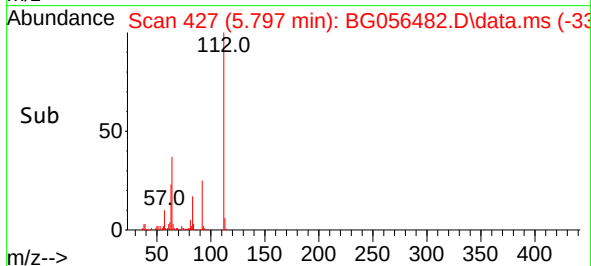
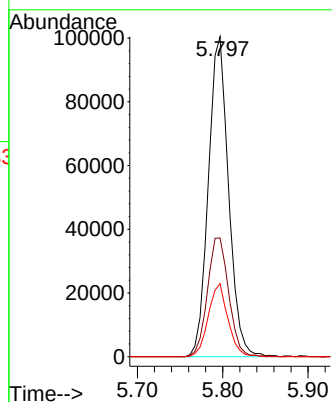
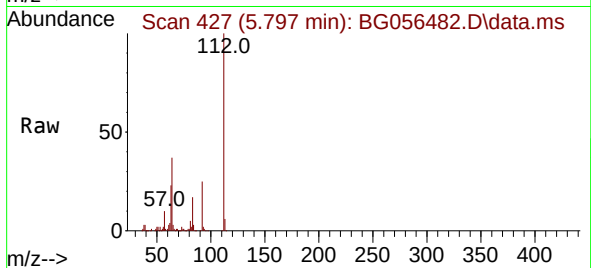




#5
2-Fluorophenol
Concen: 118.447 ng
RT: 5.797 min Scan# 41
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

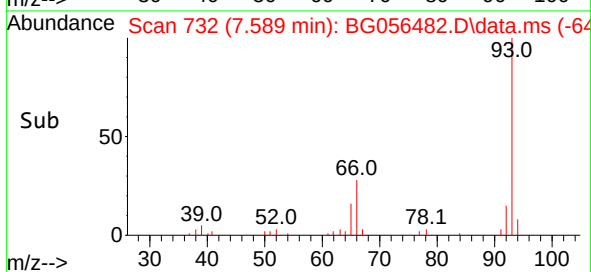
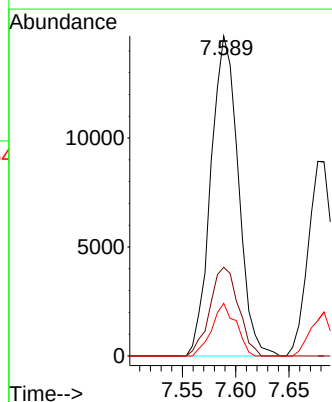
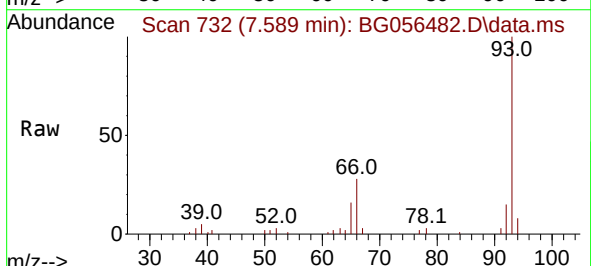
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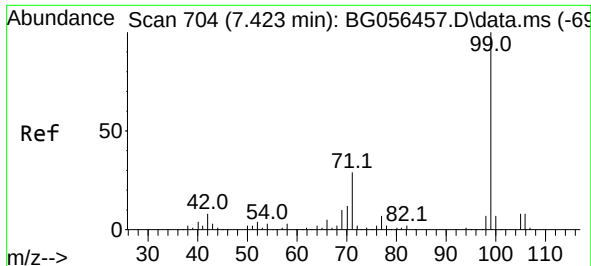
Tgt Ion:112 Resp: 165123
Ion Ratio Lower Upper
112 100
64 37.1 31.9 47.9
63 22.9 17.4 26.0



#6
Aniline
Concen: 9.704 ng
RT: 7.589 min Scan# 732
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion: 93 Resp: 26242
Ion Ratio Lower Upper
93 100
66 27.7 22.2 33.2
65 16.4 11.3 16.9





#7

Phenol-d6

Concen: 113.092 ng

RT: 7.418 min Scan# 703

Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

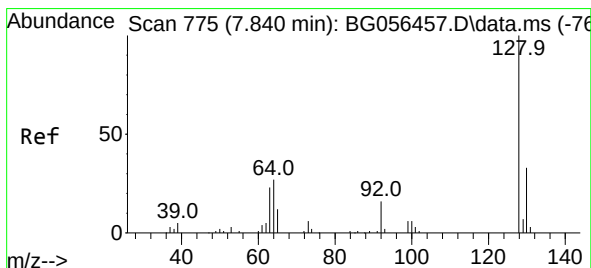
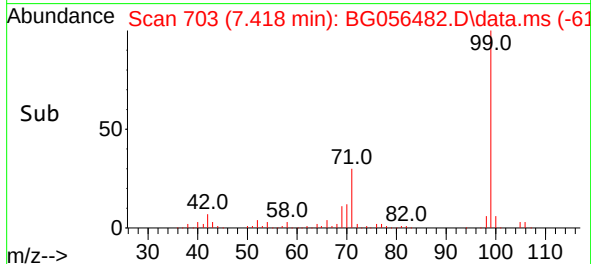
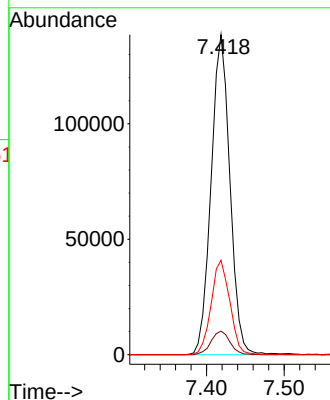
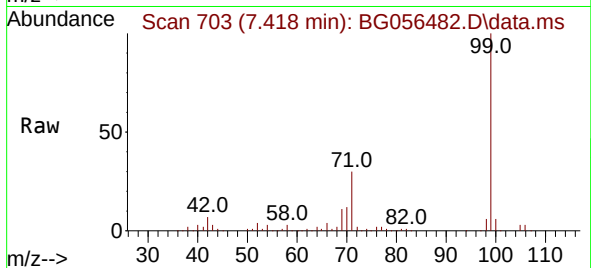
Tgt Ion: 99 Resp: 233597

Ion Ratio Lower Upper

99 100

42 7.3 6.6 10.0

71 29.5 23.4 35.0



#8

2-Chlorophenol

Concen: 9.828 ng

RT: 7.836 min Scan# 774

Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

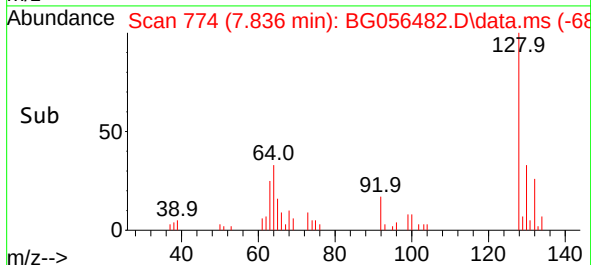
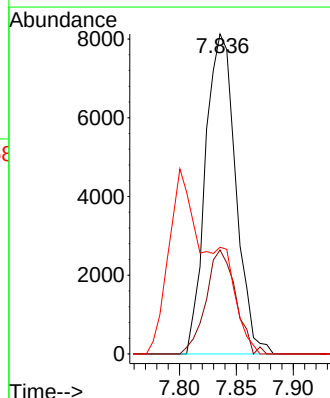
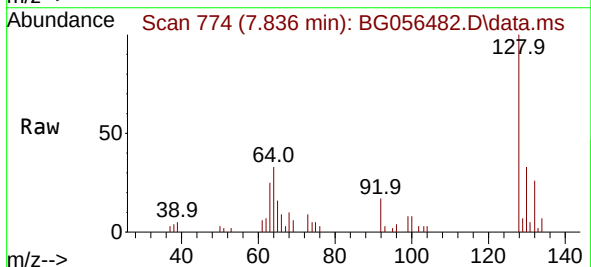
Tgt Ion:128 Resp: 15051

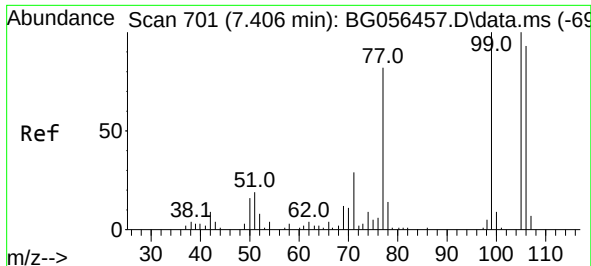
Ion Ratio Lower Upper

128 100

130 32.5 12.8 52.8

64 33.3 11.3 51.3

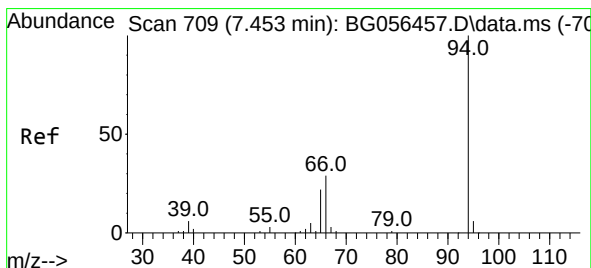
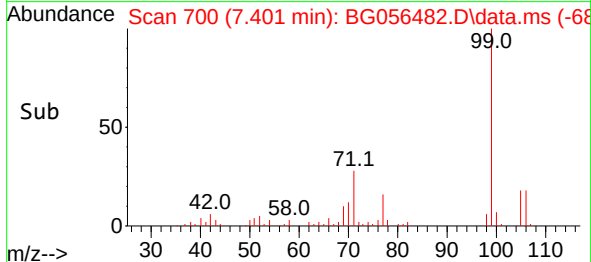
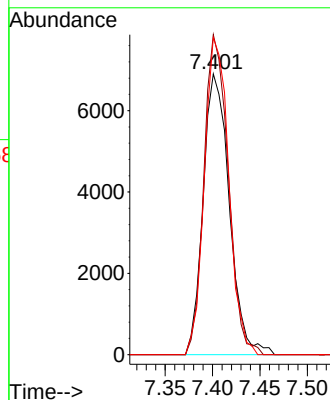
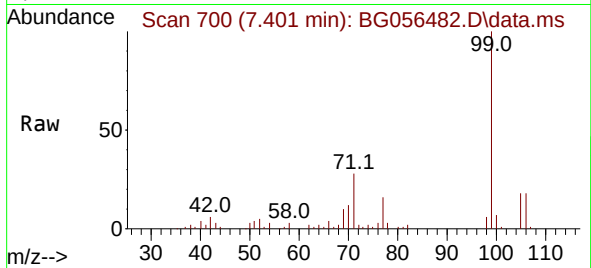




#9
Benzaldehyde
Concen: 11.183 ng
RT: 7.401 min Scan# 701
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

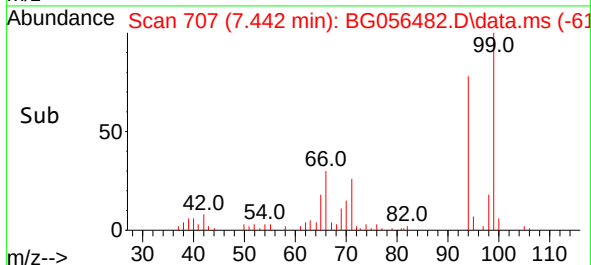
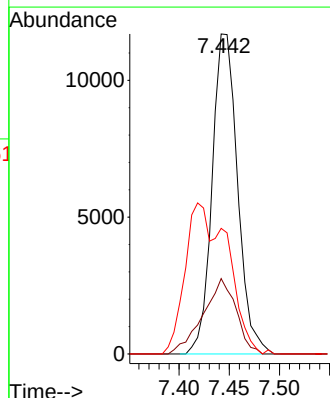
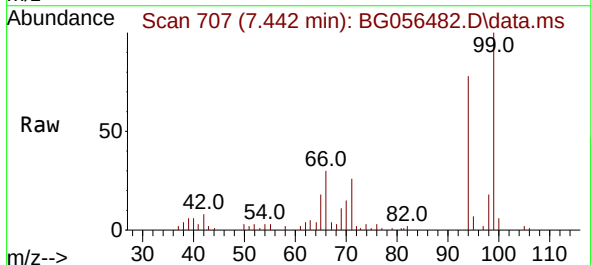
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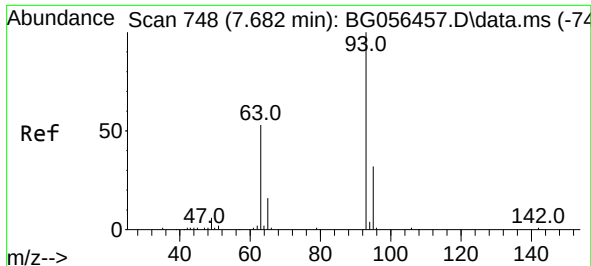
Tgt Ion: 77 Resp: 13216
Ion Ratio Lower Upper
77 100
105 113.9 101.8 141.8
106 112.9 93.0 133.0



#10
Phenol
Concen: 9.835 ng
RT: 7.442 min Scan# 707
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion: 94 Resp: 20647
Ion Ratio Lower Upper
94 100
65 23.6 2.3 42.3
66 39.2 11.2 51.2

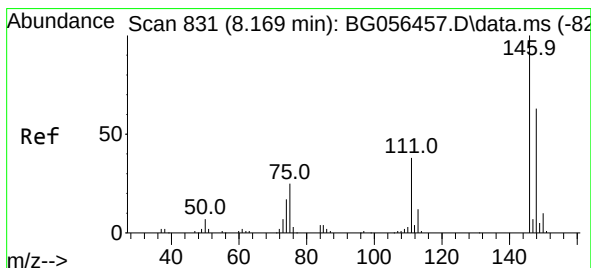
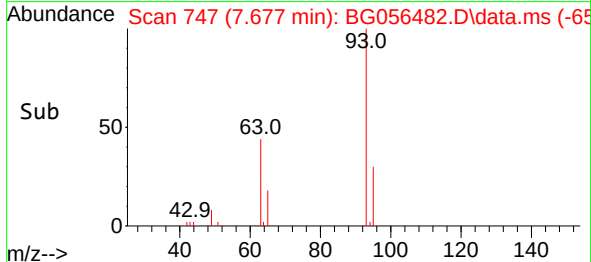
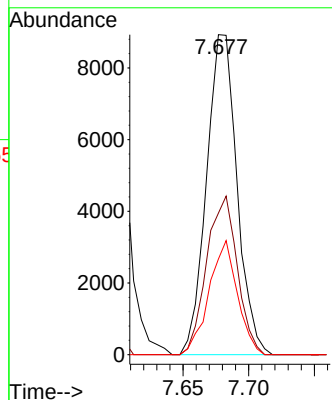
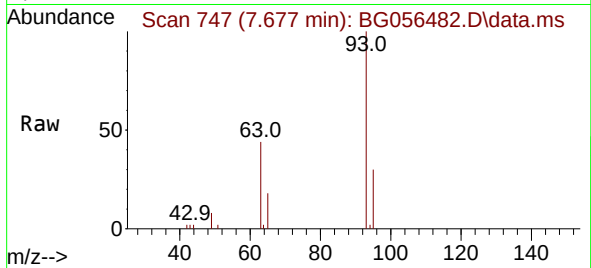




#11
bis(2-Chloroethyl)ether
Concen: 10.015 ng
RT: 7.677 min Scan# 74
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

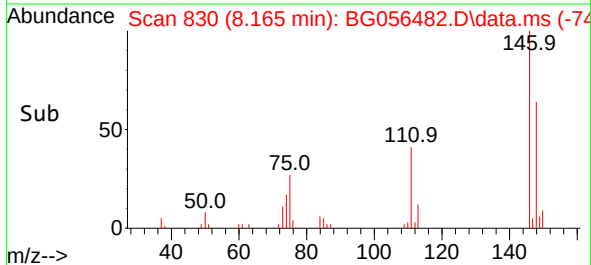
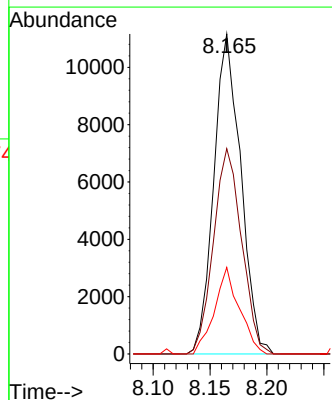
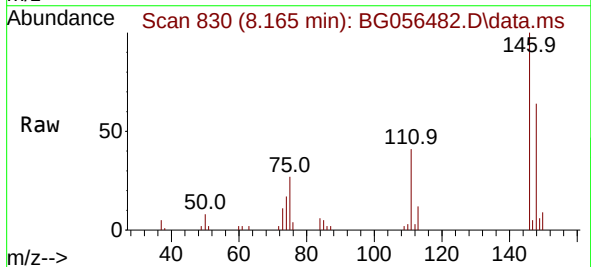
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

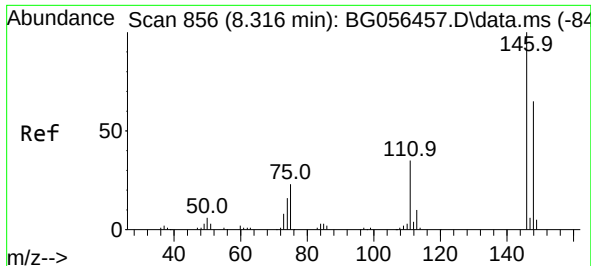
Tgt Ion: 93	Resp:	14451
Ion	Ratio	Lower Upper
93	100	
63	44.2	32.4 72.4
95	29.9	11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 10.438 ng
RT: 8.165 min Scan# 830
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion: 146	Resp:	18405
Ion	Ratio	Lower Upper
146	100	
148	64.1	50.6 75.8
75	27.0	19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 10.801 ng

RT: 8.311 min Scan# 8

Delta R.T. 0.001 min

Lab File: BG056482.D

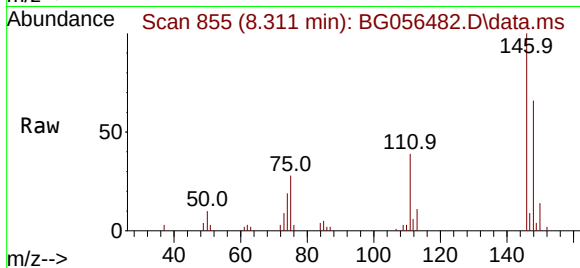
Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



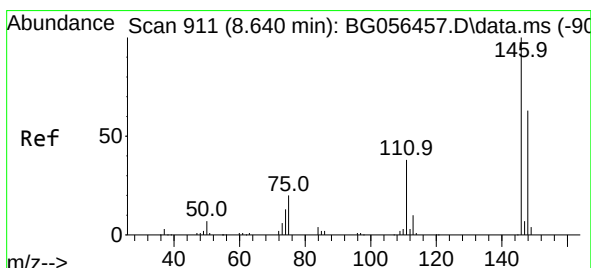
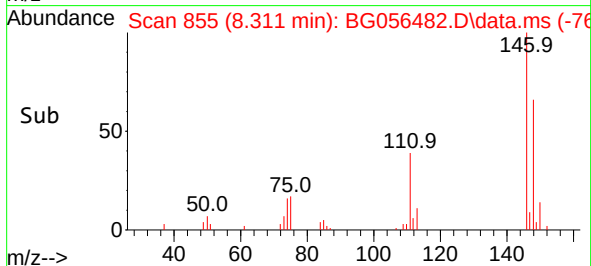
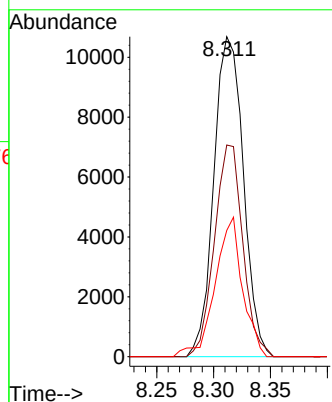
Tgt Ion:146 Resp: 19287

Ion Ratio Lower Upper

146 100

148 66.2 51.8 77.6

111 39.5 28.6 42.8



#14

1,2-Dichlorobenzene

Concen: 10.676 ng

RT: 8.635 min Scan# 910

Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

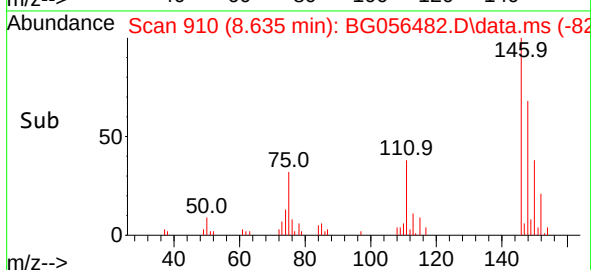
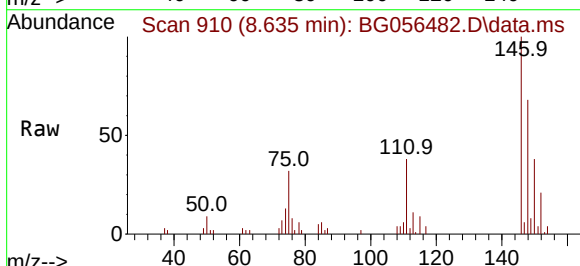
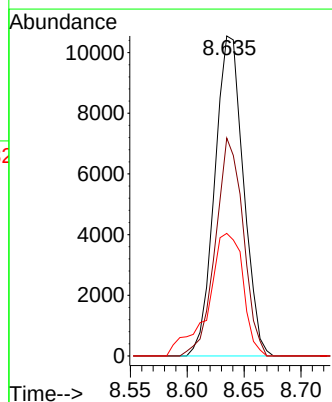
Tgt Ion:146 Resp: 18496

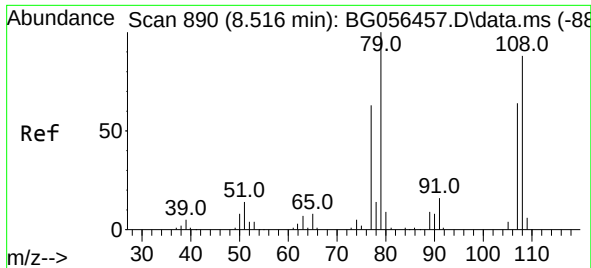
Ion Ratio Lower Upper

146 100

148 68.1 50.1 75.1

111 38.3 30.9 46.3

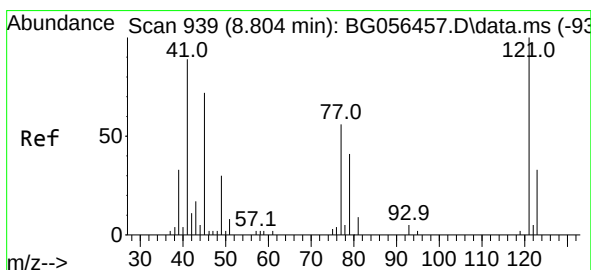
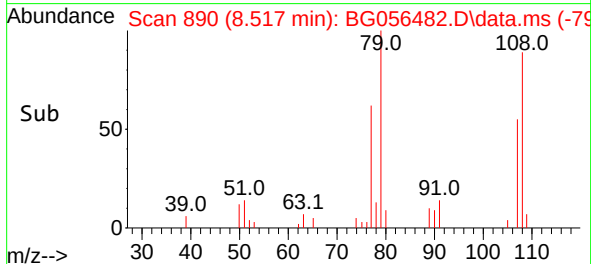
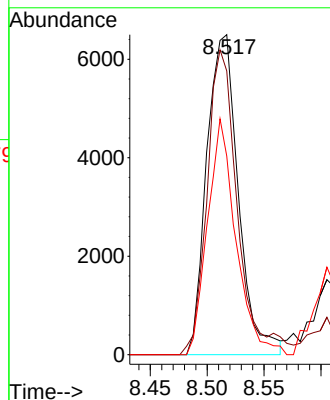
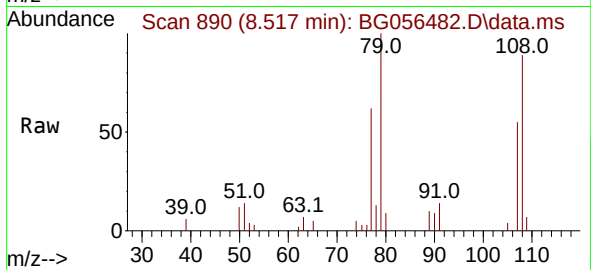




#15
Benzyl Alcohol
Concen: 8.885 ng
RT: 8.517 min Scan# 890
Delta R.T. 0.007 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

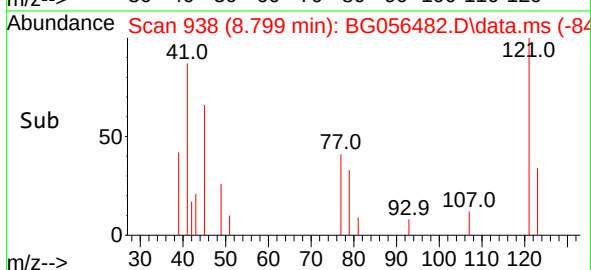
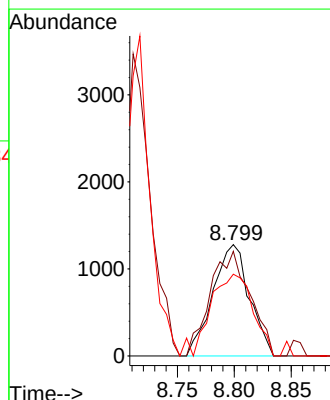
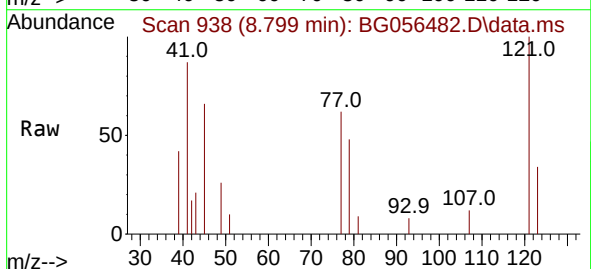
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

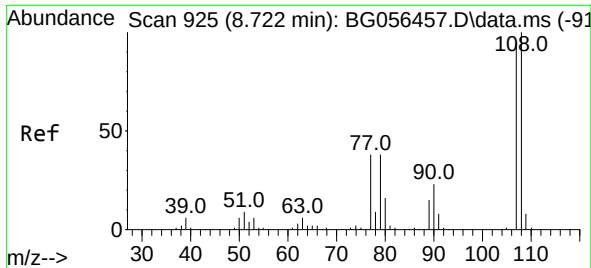
Tgt Ion: 79 Resp: 12592
Ion Ratio Lower Upper
79 100
108 88.7 70.1 105.1
77 62.0 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.361 ng
RT: 8.799 min Scan# 938
Delta R.T. 0.007 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion: 45 Resp: 2862
Ion Ratio Lower Upper
45 100
77 93.9 62.1 102.1
79 73.4 42.7 82.7

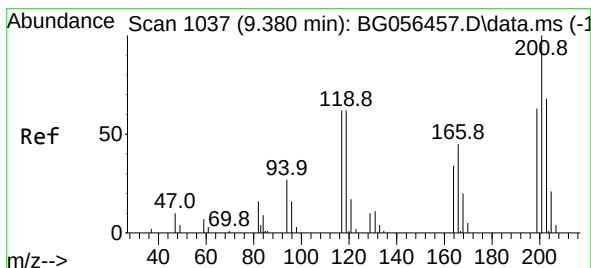
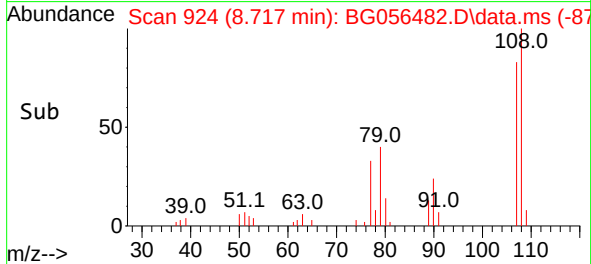
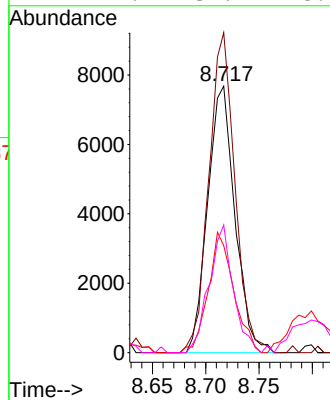
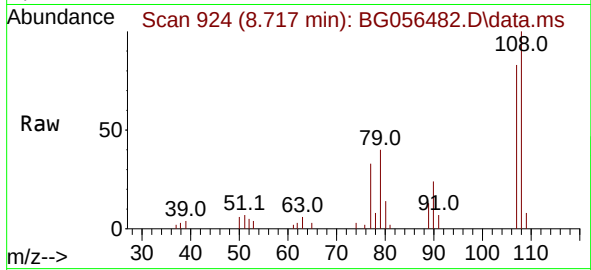




#17
2-Methylphenol
Concen: 8.575 ng
RT: 8.717 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

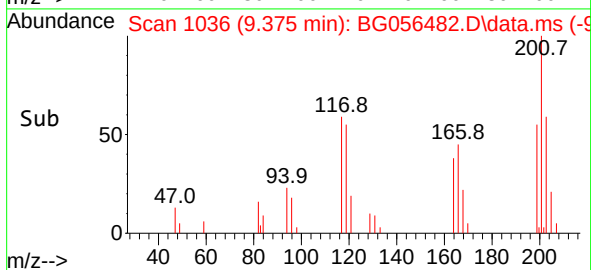
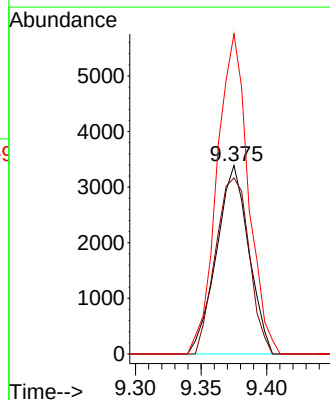
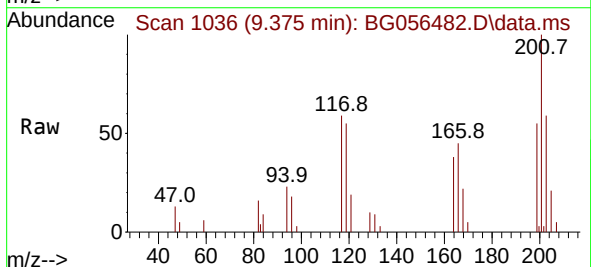
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

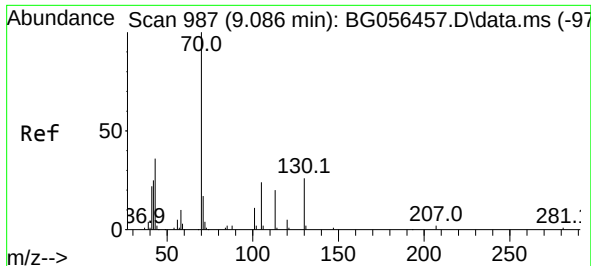
Tgt Ion:	107	Resp:	13696
Ion	Ratio	Lower	Upper
107	100		
108	120.0	83.9	125.9
77	40.2	31.6	47.4
79	47.9	32.4	48.6



#18
Hexachloroethane
Concen: 10.724 ng
RT: 9.375 min Scan# 1036
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:	117	Resp:	5792
Ion	Ratio	Lower	Upper
117	100		
119	93.3	79.4	119.0
201	175.0	128.5	192.7

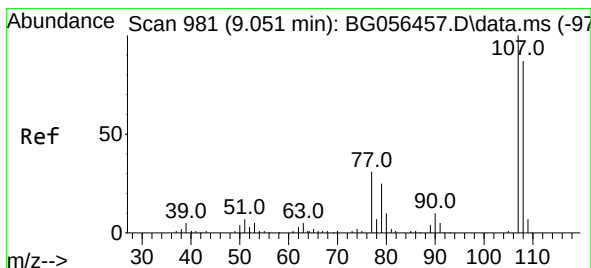
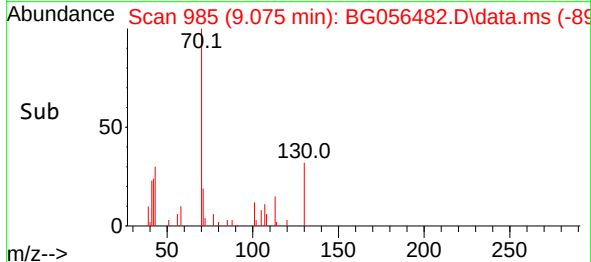
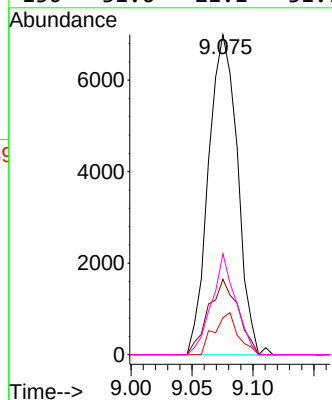
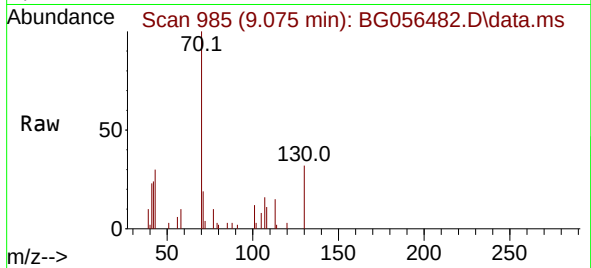




#19
n-Nitroso-di-n-propylamine
Concen: 9.720 ng
RT: 9.075 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

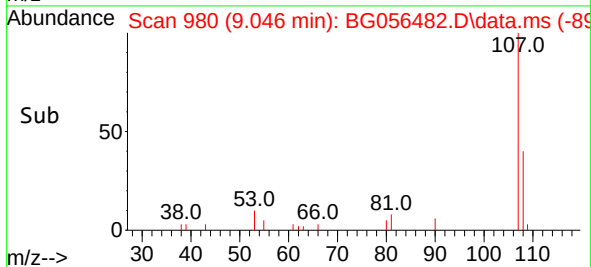
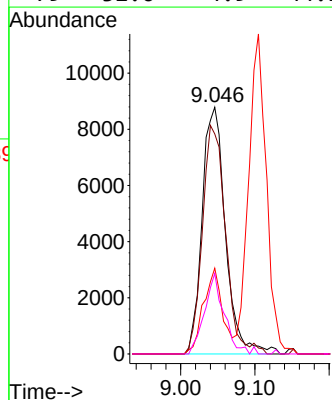
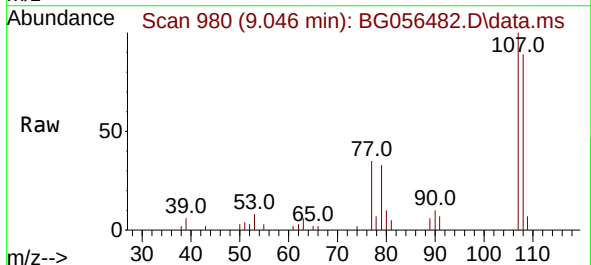
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

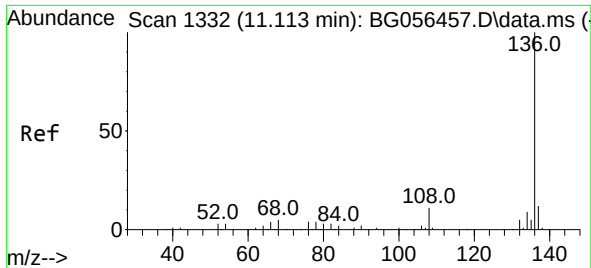
Tgt Ion: 70	Resp: 11570
Ion Ratio	Lower Upper
70 100	
42 23.6	20.2 30.4
101 11.6	9.1 13.7
130 31.6	21.1 31.7



#20
3+4-Methylphenols
Concen: 8.599 ng
RT: 9.046 min Scan# 980
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:107	Resp: 19247
Ion Ratio	Lower Upper
107 100	
108 89.2	66.7 106.7
77 34.8	10.6 50.6
79 32.6	4.9 44.9

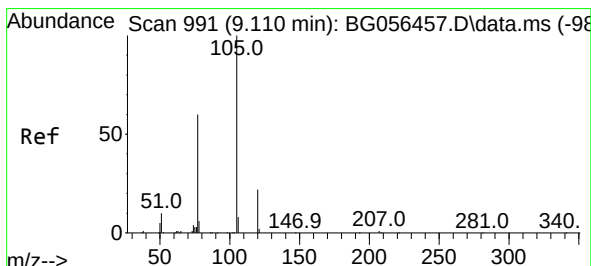
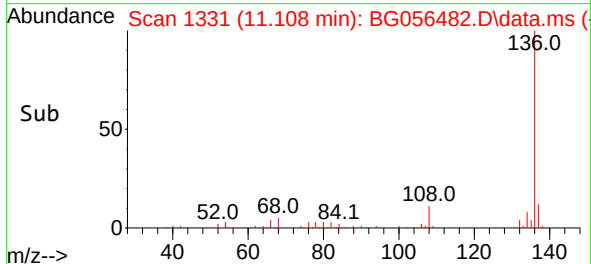
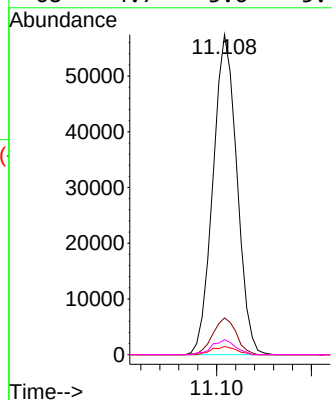
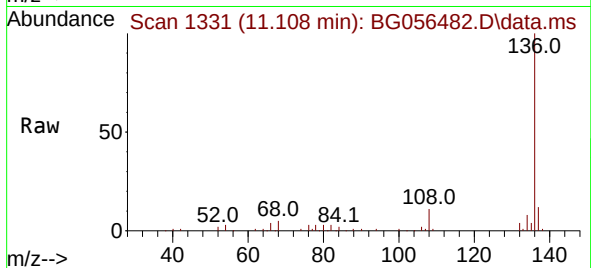




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

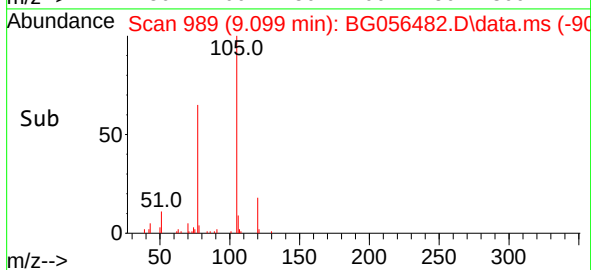
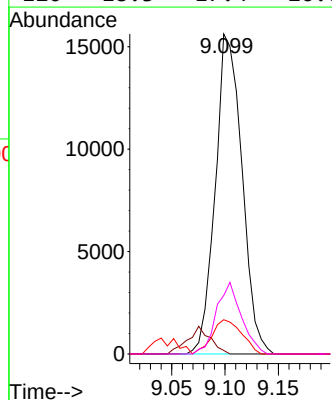
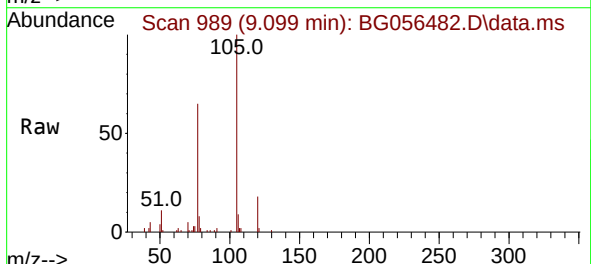
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

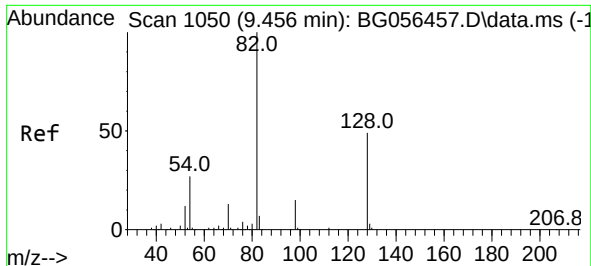
Tgt Ion:	136	Resp:	100700
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.4	14.0
54	2.6	2.2	3.4
68	4.7	3.6	5.4



#22
Acetophenone
Concen: 10.147 ng
RT: 9.099 min Scan# 989
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:	105	Resp:	27148
Ion Ratio	Lower	Upper	
105	100		
71	1.1	0.6	0.8#
51	10.7	9.2	13.8
120	18.3	17.4	26.0





#23

Nitrobenzene-d5

Concen: 77.473 ng

RT: 9.451 min Scan# 1049

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

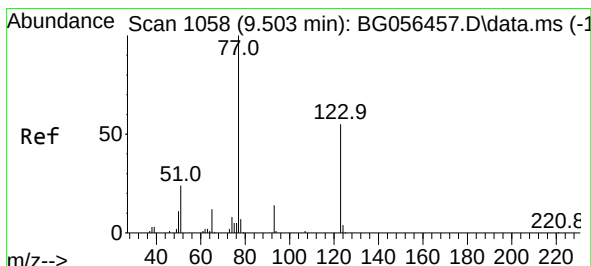
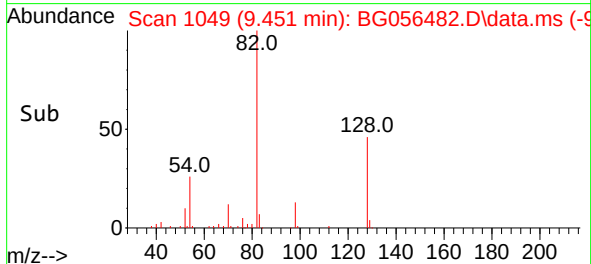
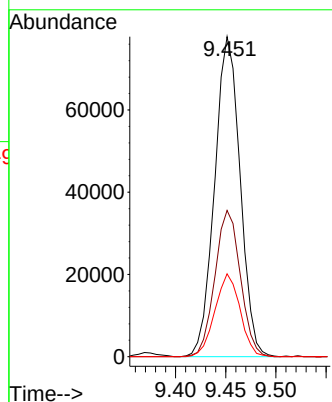
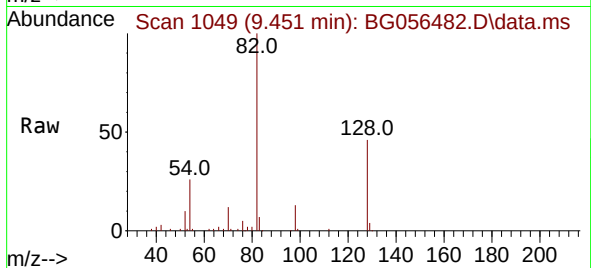
Tgt Ion: 82 Resp: 137387

Ion Ratio Lower Upper

82 100

128 45.7 39.4 59.2

54 25.9 21.4 32.2



#24

Nitrobenzene

Concen: 10.287 ng

RT: 9.492 min Scan# 1056

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

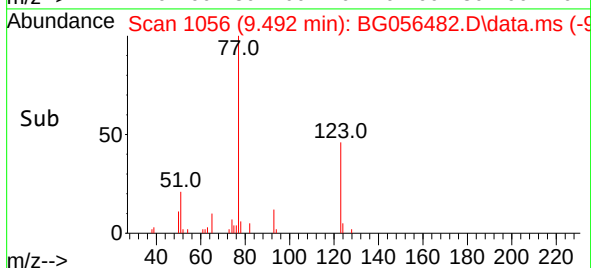
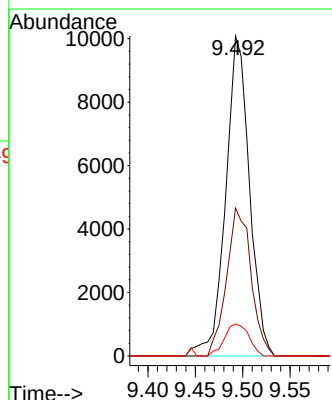
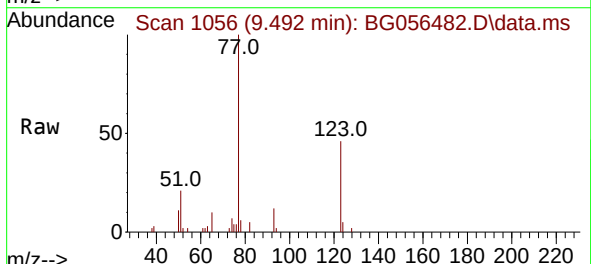
Tgt Ion: 77 Resp: 17596

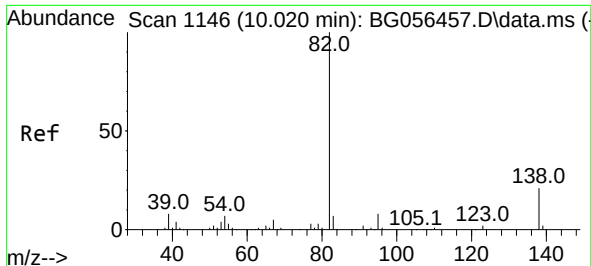
Ion Ratio Lower Upper

77 100

123 46.2 44.0 66.0

65 10.0 9.7 14.5

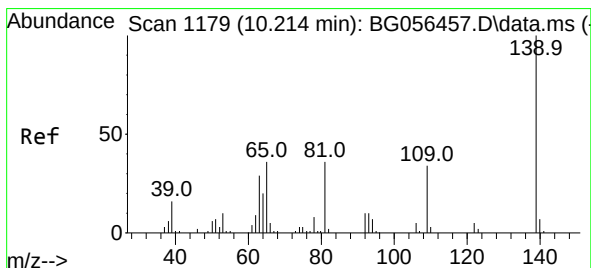
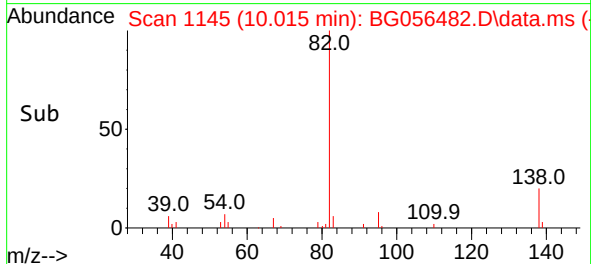
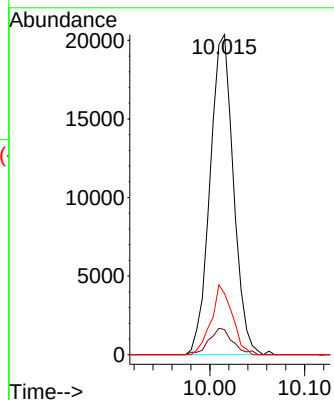
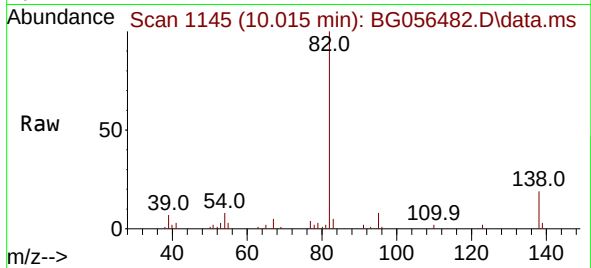




#25
Isophorone
Concen: 9.573 ng
RT: 10.015 min Scan# 1146
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

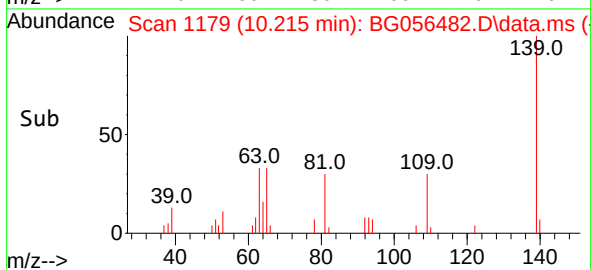
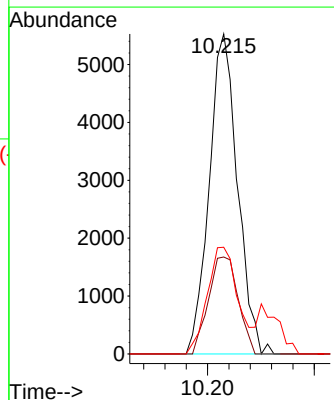
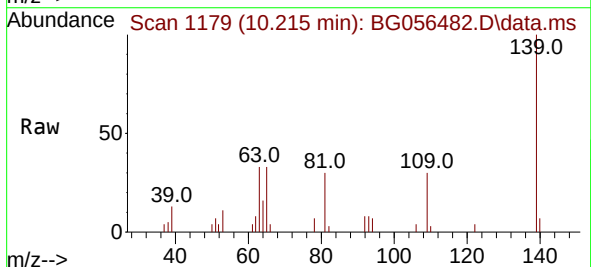
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

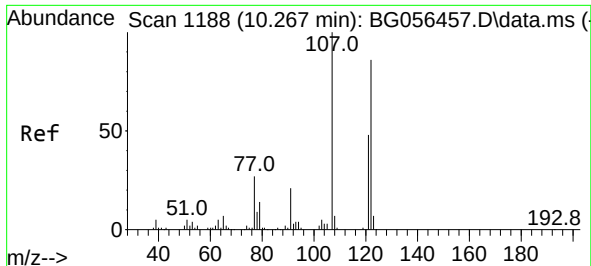
Tgt Ion: 82 Resp: 35022
Ion Ratio Lower Upper
82 100
95 7.8 6.3 9.5
138 19.1 16.6 25.0



#26
2-Nitrophenol
Concen: 9.808 ng
RT: 10.215 min Scan# 1179
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion: 139 Resp: 10179
Ion Ratio Lower Upper
139 100
109 30.3 26.9 40.3
65 33.4 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 8.893 ng

RT: 10.256 min Scan# 1186

Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

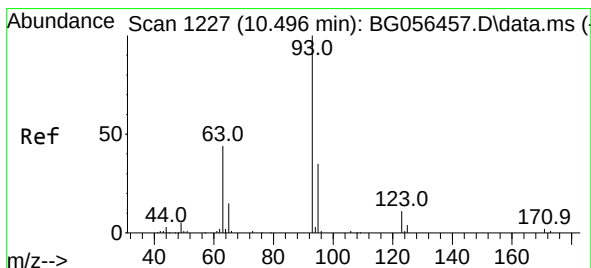
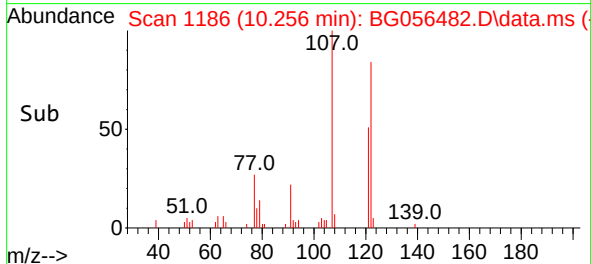
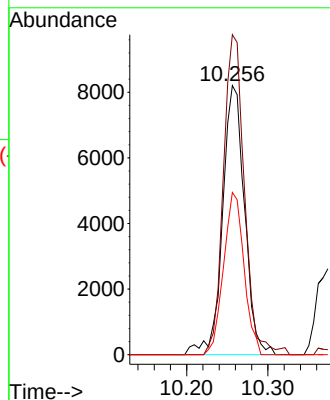
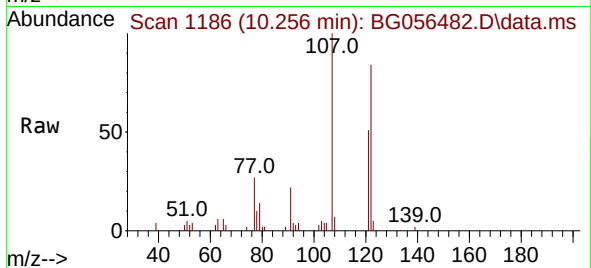
Tgt Ion:122 Resp: 15446

Ion Ratio Lower Upper

122 100

107 118.9 92.9 139.3

121 60.3 45.0 67.4



#28

bis(2-Chloroethoxy)methane

Concen: 9.920 ng

RT: 10.491 min Scan# 1226

Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

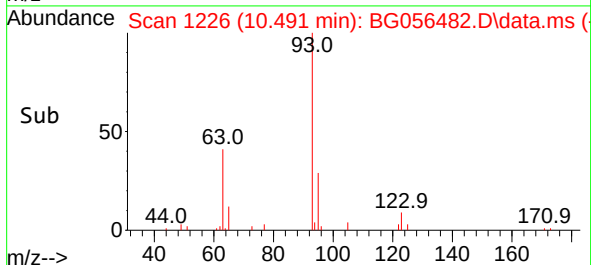
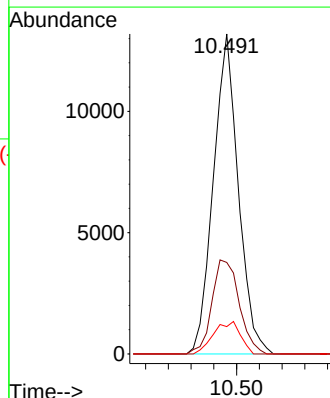
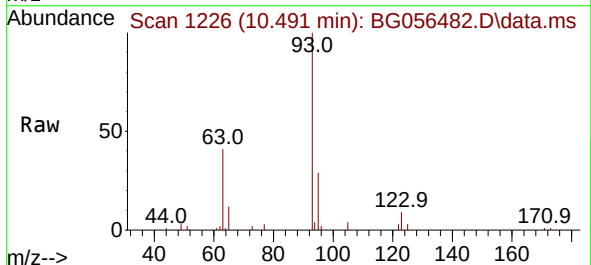
Tgt Ion: 93 Resp: 20048

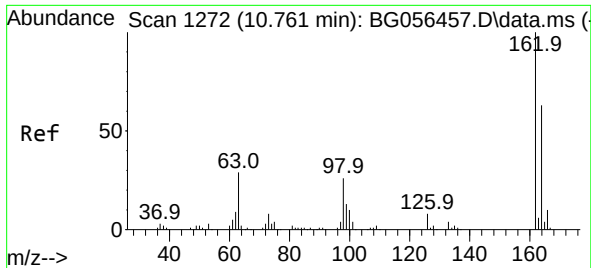
Ion Ratio Lower Upper

93 100

95 28.6 27.9 41.9

123 8.6 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 9.675 ng

RT: 10.756 min Scan# 11

Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

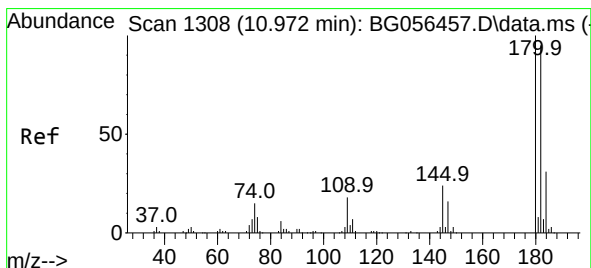
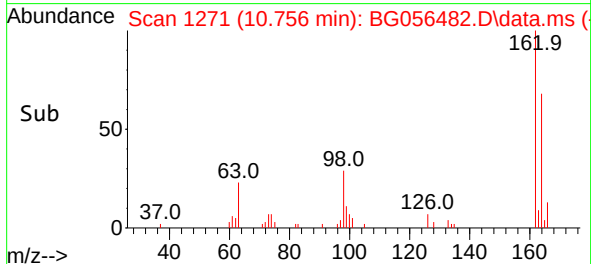
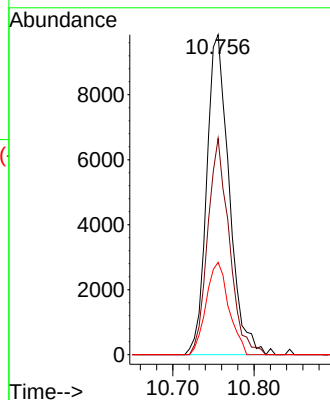
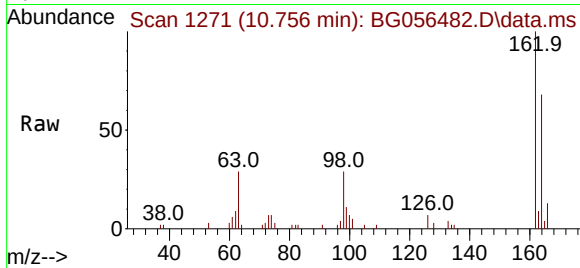
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:162	Resp:	18915
Ion Ratio	Lower	Upper
162	100	
164	67.6	42.8 82.8
98	28.8	6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 9.970 ng

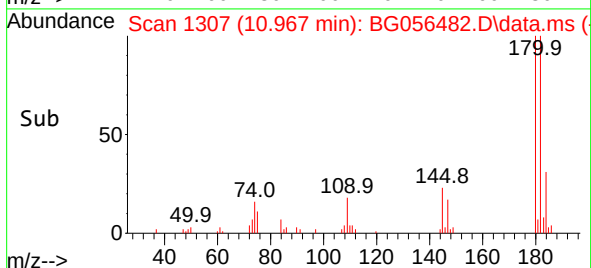
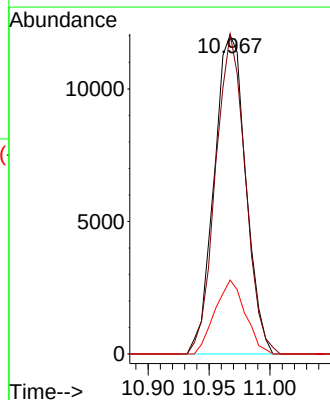
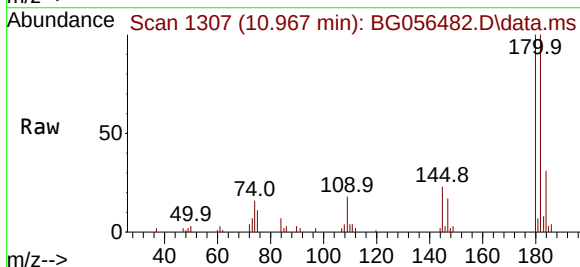
RT: 10.967 min Scan# 1307

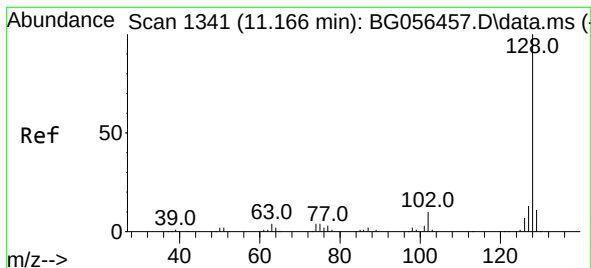
Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Tgt Ion:180	Resp:	21660
Ion Ratio	Lower	Upper
180	100	
182	100.2	75.9 113.9
145	23.2	19.4 29.0





#31

Naphthalene

Concen: 9.845 ng

RT: 11.161 min Scan# 11

Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

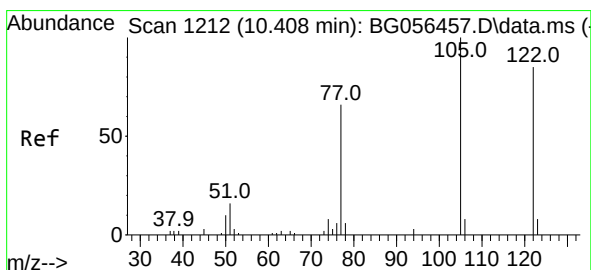
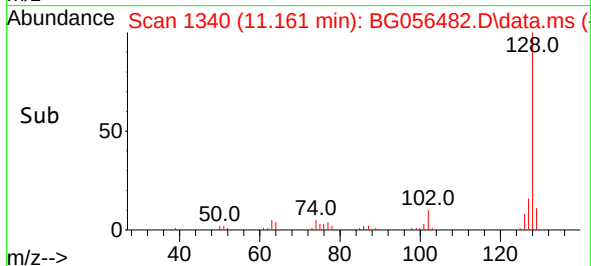
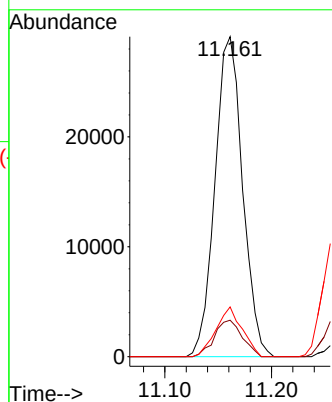
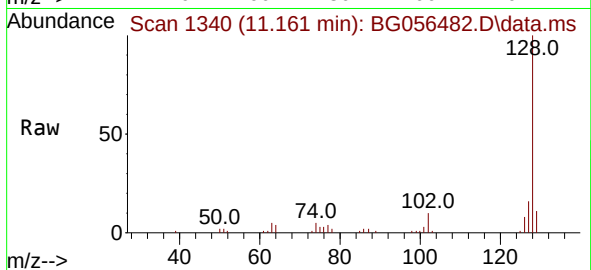
Tgt Ion:128 Resp: 52327

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

127 15.6 10.4 15.6



#32

Benzoic acid

Concen: 8.087 ng

RT: 10.374 min Scan# 1206

Delta R.T. -0.029 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

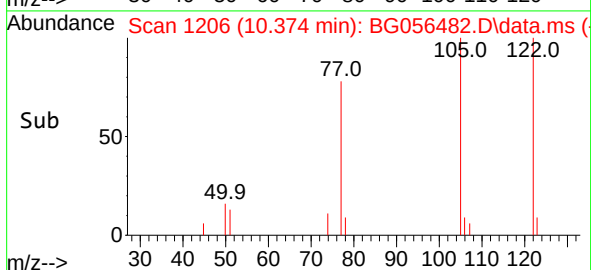
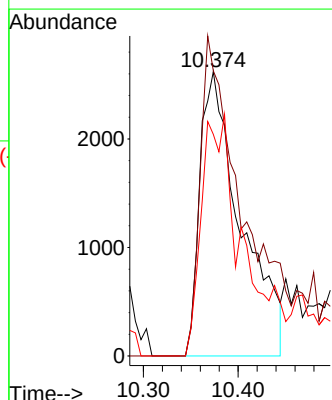
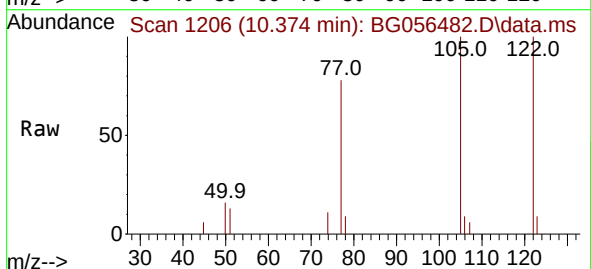
Tgt Ion:122 Resp: 7859

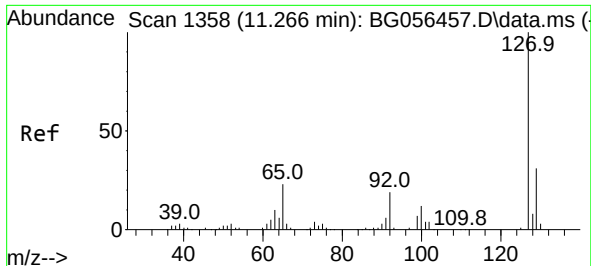
Ion Ratio Lower Upper

122 100

105 100.3 96.5 136.5

77 77.9 57.3 97.3

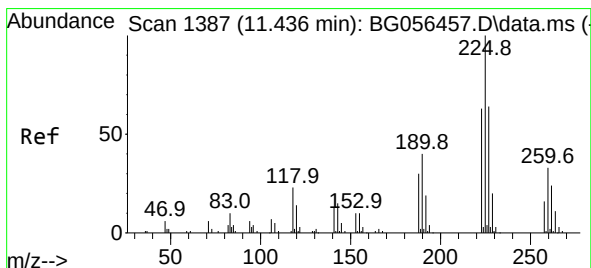
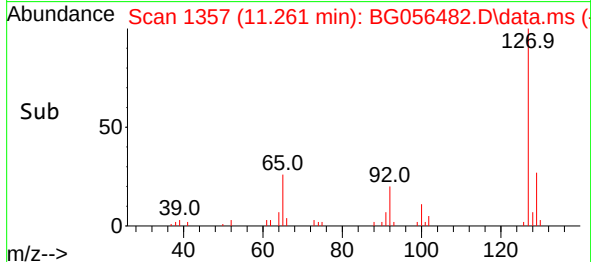
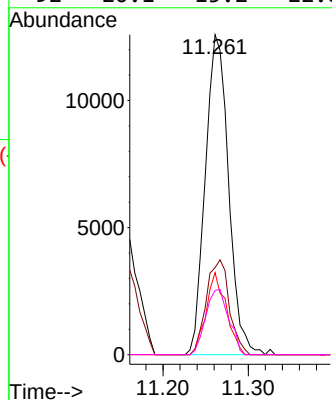
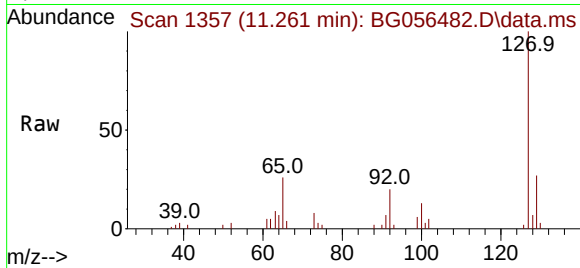




#33
4-Chloroaniline
Concen: 9.624 ng
RT: 11.261 min Scan# 1357
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

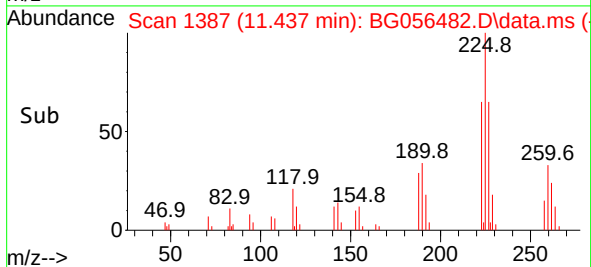
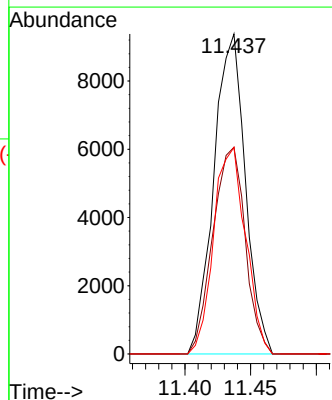
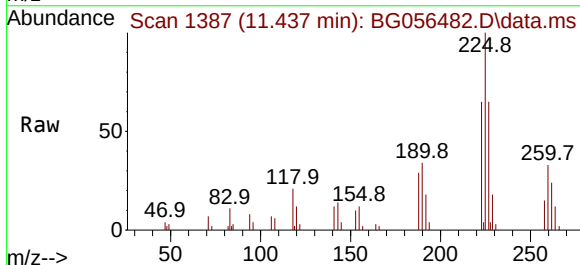
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

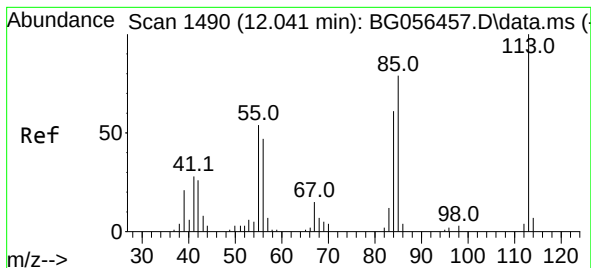
Tgt Ion:	127	Resp:	23878
Ion	Ratio	Lower	Upper
127	100		
129	27.2	25.0	37.6
65	25.7	18.5	27.7
92	20.1	15.2	22.8



#34
Hexachlorobutadiene
Concen: 10.255 ng
RT: 11.437 min Scan# 1387
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:	225	Resp:	15639
Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.6	75.8
227	69.0	53.7	80.5





#35

Caprolactam

Concen: 10.134 ng

RT: 12.007 min Scan# 1484

Delta R.T. -0.023 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

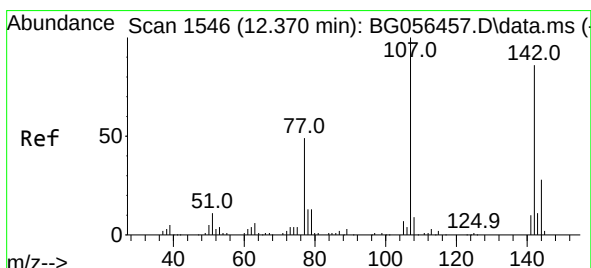
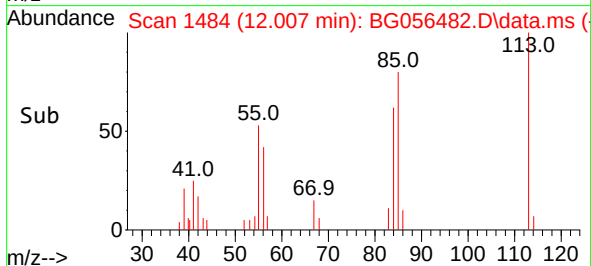
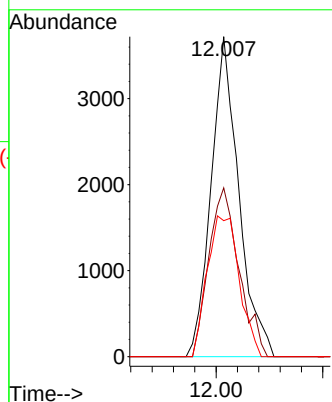
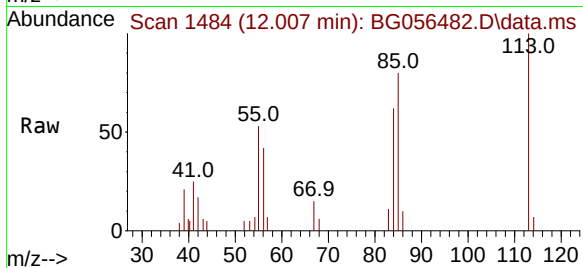
Tgt Ion:113 Resp: 6682

Ion Ratio Lower Upper

113 100

55 52.7 33.7 73.7

56 42.5 27.1 67.1



#36

4-Chloro-3-methylphenol

Concen: 9.785 ng

RT: 12.360 min Scan# 1544

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

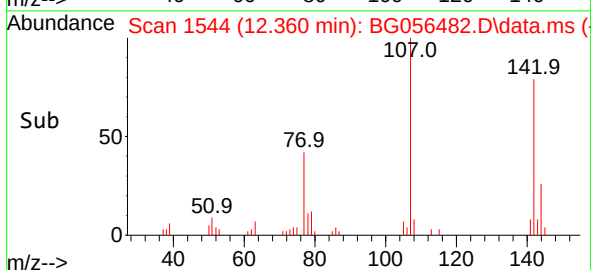
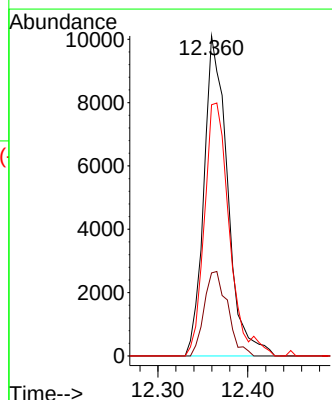
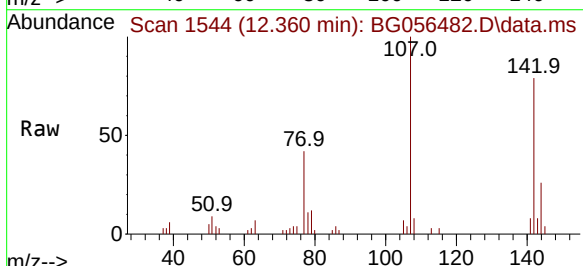
Tgt Ion:107 Resp: 18474

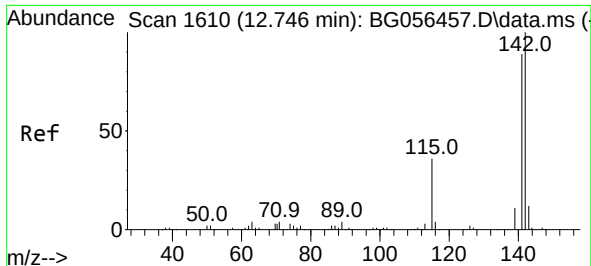
Ion Ratio Lower Upper

107 100

144 25.9 22.3 33.5

142 78.5 68.9 103.3

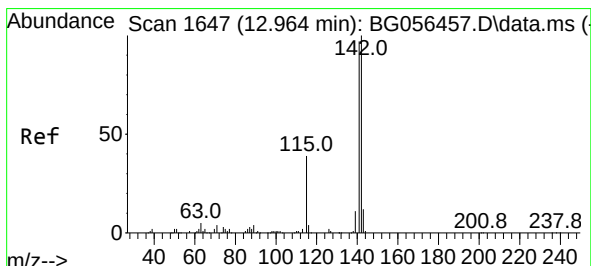
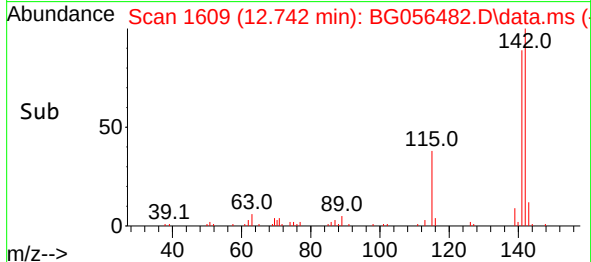
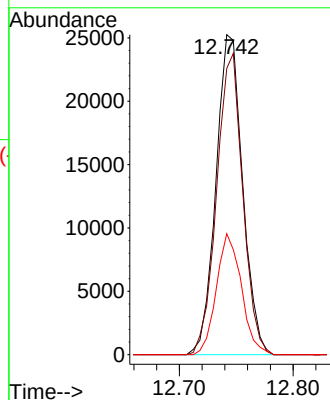
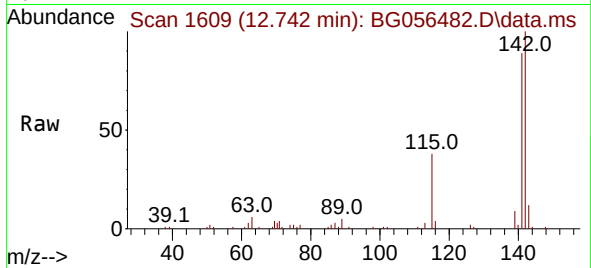




#37
2-Methylnaphthalene
Concen: 9.377 ng
RT: 12.742 min Scan# 1609
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

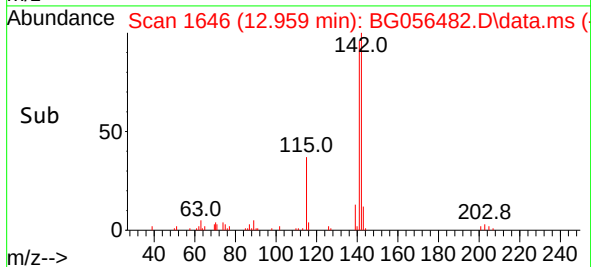
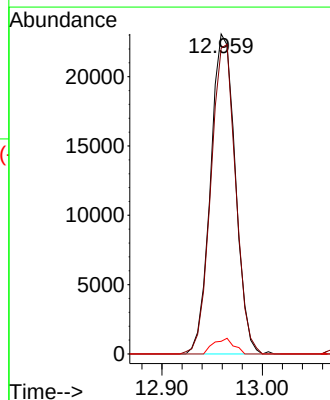
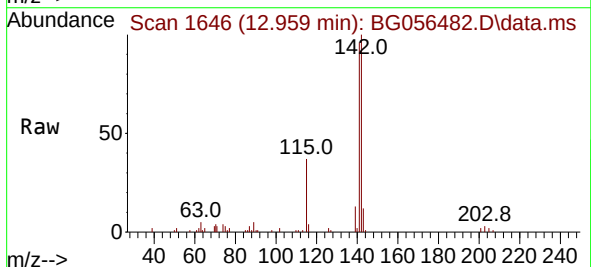
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

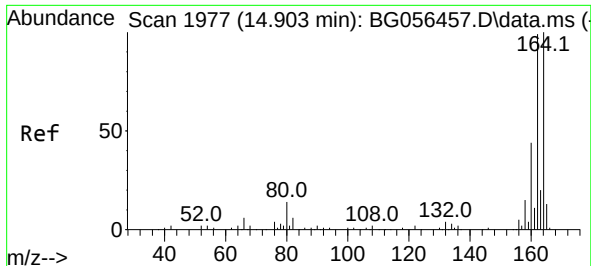
Tgt Ion:142 Resp: 41090
Ion Ratio Lower Upper
142 100
141 89.4 71.4 107.0
115 37.8 28.4 42.6



#38
1-Methylnaphthalene
Concen: 9.670 ng
RT: 12.959 min Scan# 1646
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:142 Resp: 39571
Ion Ratio Lower Upper
142 100
141 95.5 77.7 116.5
116 3.9 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.892 min Scan# 1975

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

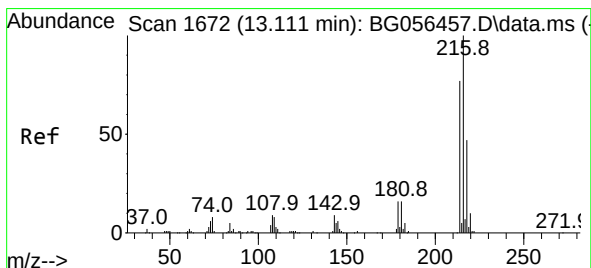
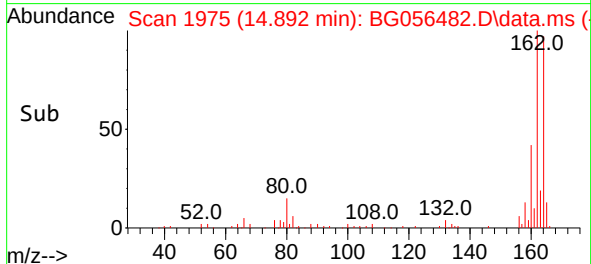
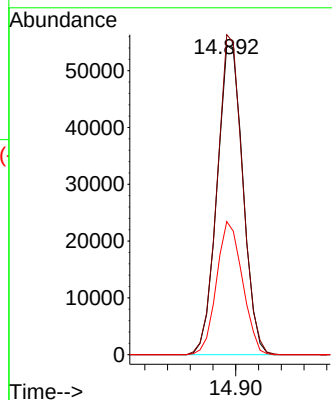
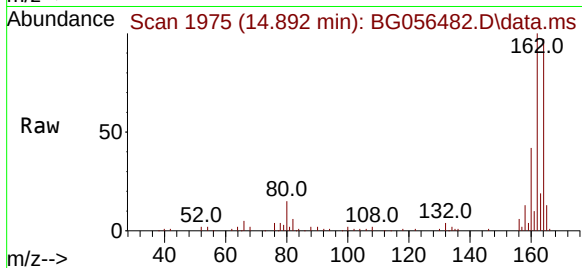
Tgt Ion:164 Resp: 86071

Ion Ratio Lower Upper

164 100

162 103.4 79.6 119.4

160 43.0 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.885 ng

RT: 13.106 min Scan# 1671

Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Tgt Ion:216 Resp: 31082

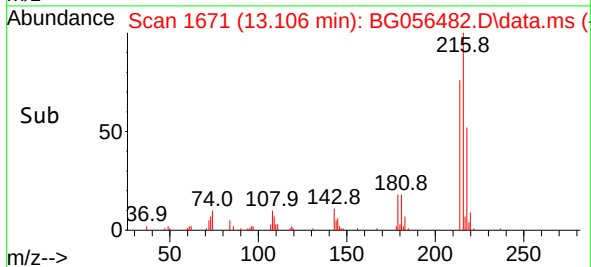
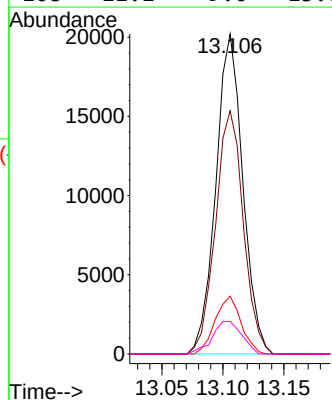
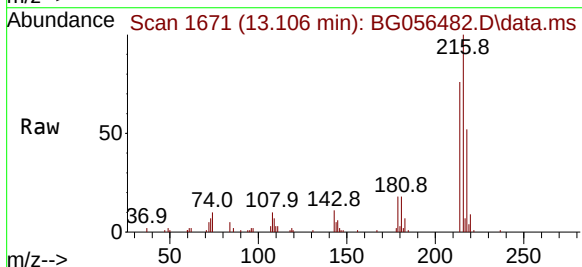
Ion Ratio Lower Upper

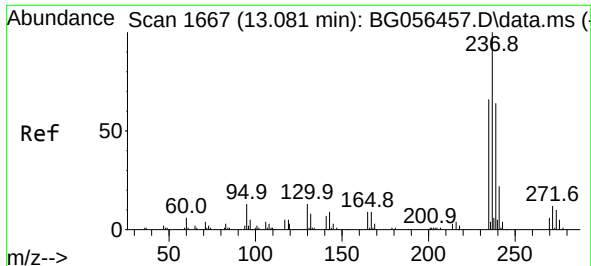
216 100

214 78.2 63.0 94.6

179 17.3 14.1 21.1

108 11.1 9.0 13.6

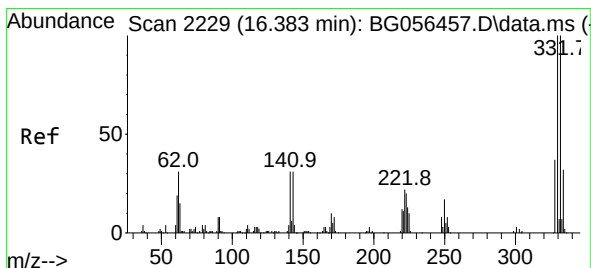
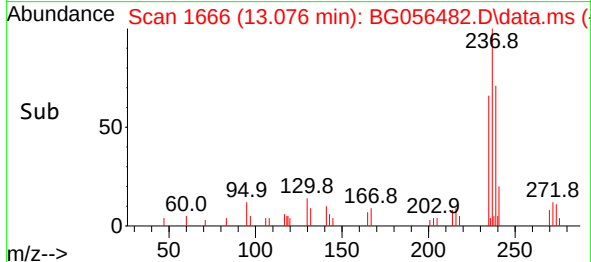
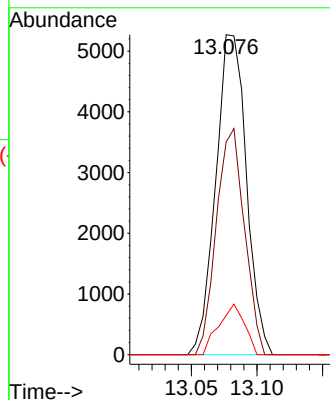
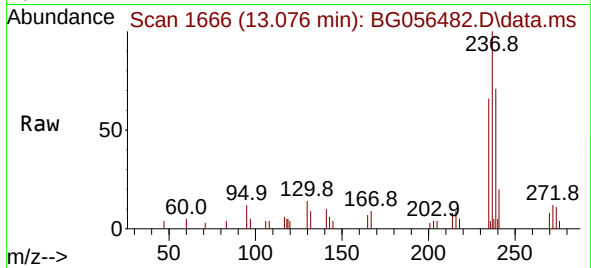




#41
Hexachlorocyclopentadiene
Concen: 11.109 ng
RT: 13.076 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

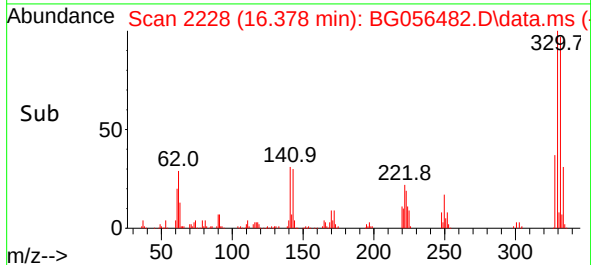
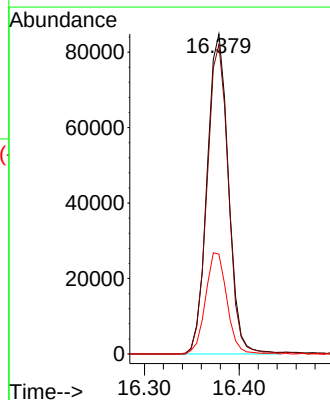
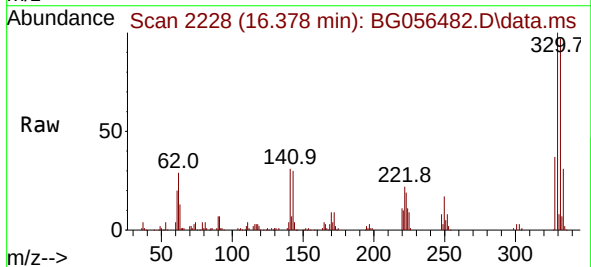
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

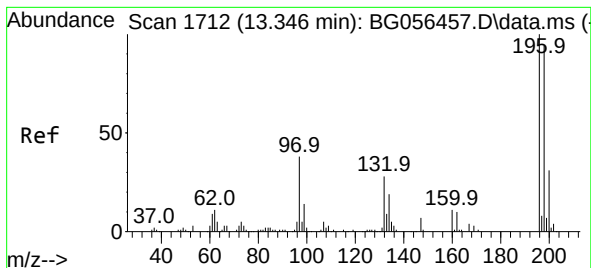
Tgt Ion:237	Resp:	8580
Ion	Ratio	Lower Upper
237	100	
235	66.4	45.6 85.6
272	12.2	0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 116.007 ng
RT: 16.378 min Scan# 2228
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:330	Resp:	132742
Ion	Ratio	Lower Upper
330	100	
332	96.8	79.0 118.6
141	31.7	24.2 36.4





#43

2,4,6-Trichlorophenol

Concen: 8.927 ng

RT: 13.341 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

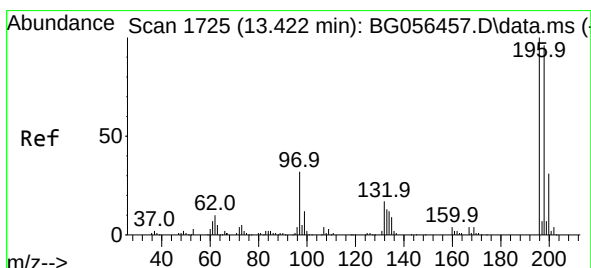
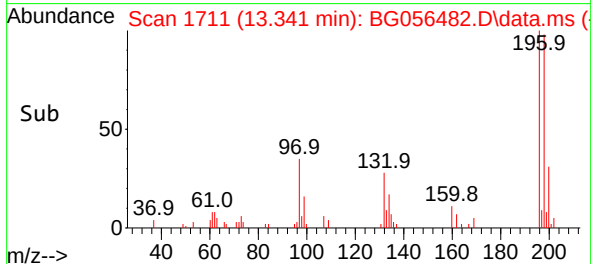
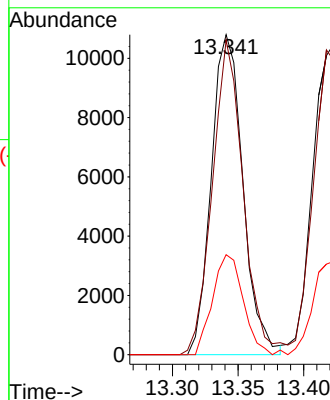
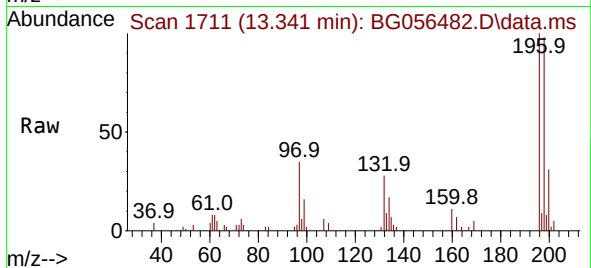
Tgt Ion:196 Resp: 18089

Ion Ratio Lower Upper

196 100

198 98.3 75.4 113.0

200 31.2 25.0 37.6



#44

2,4,5-Trichlorophenol

Concen: 8.671 ng

RT: 13.423 min Scan# 1725

Delta R.T. 0.007 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Tgt Ion:196 Resp: 20573

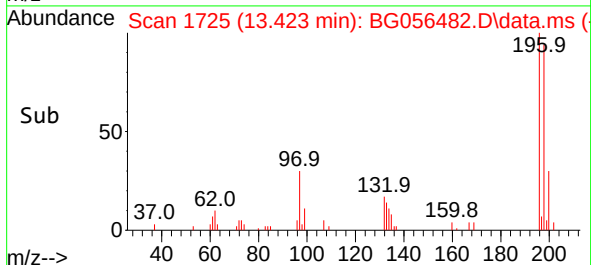
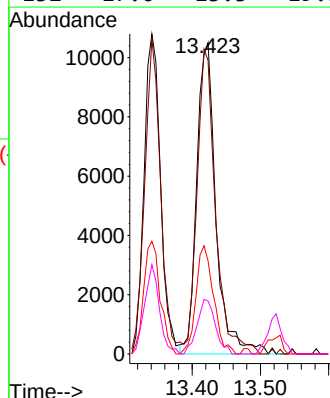
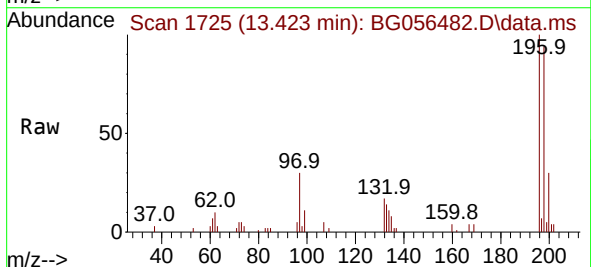
Ion Ratio Lower Upper

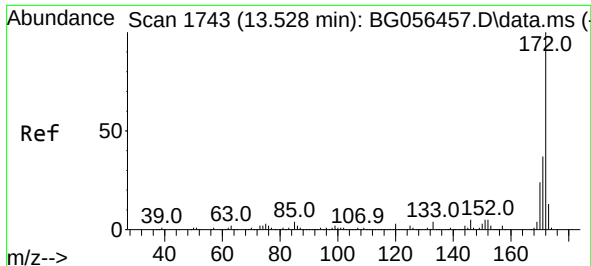
196 100

198 94.4 76.9 115.3

97 29.9 25.8 38.6

132 17.0 13.3 19.9

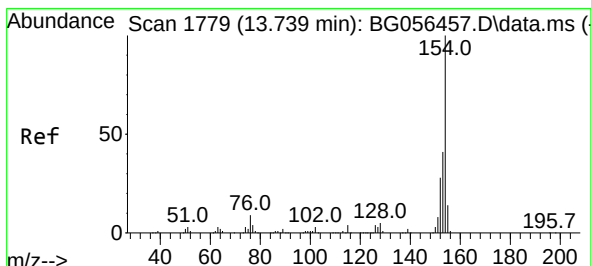
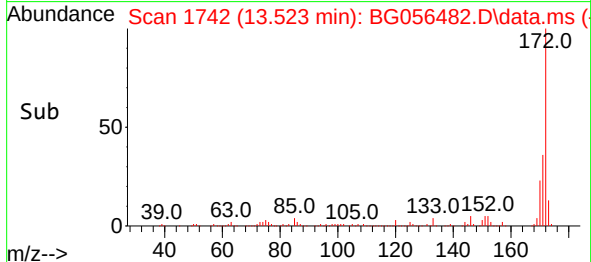
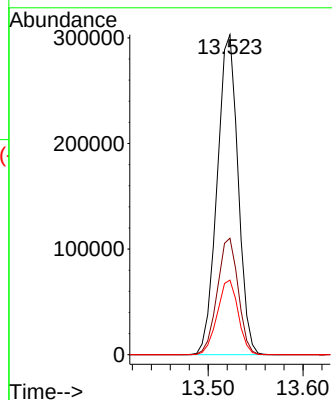
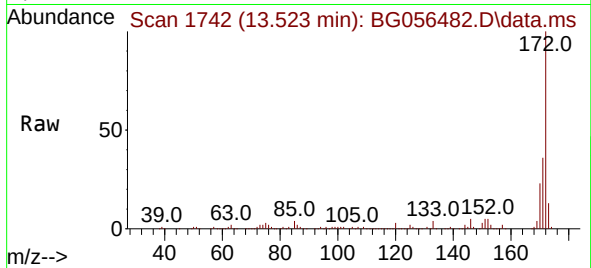




#45
2-Fluorobiphenyl
Concen: 74.753 ng
RT: 13.523 min Scan# 1743
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

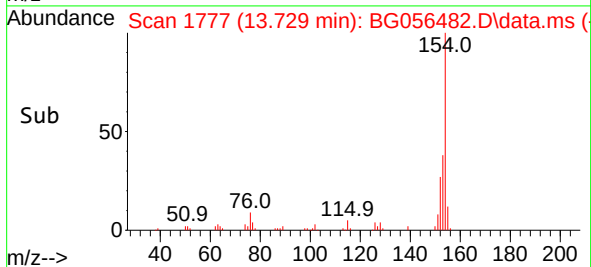
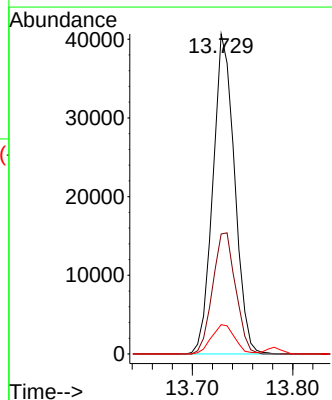
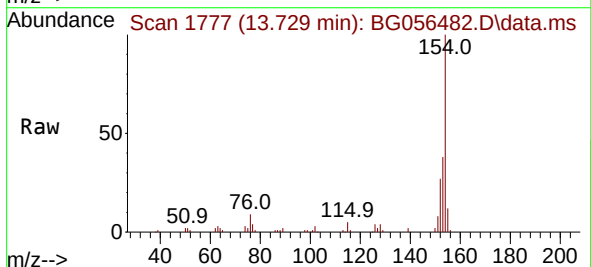
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

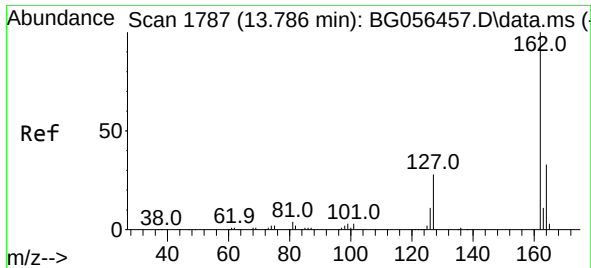
Tgt Ion:172 Resp: 464076
Ion Ratio Lower Upper
172 100
171 36.4 29.5 44.3
170 23.3 19.2 28.8



#46
1,1'-Biphenyl
Concen: 9.754 ng
RT: 13.729 min Scan# 1777
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:154 Resp: 60893
Ion Ratio Lower Upper
154 100
153 37.5 21.5 61.5
76 9.2 0.0 28.8

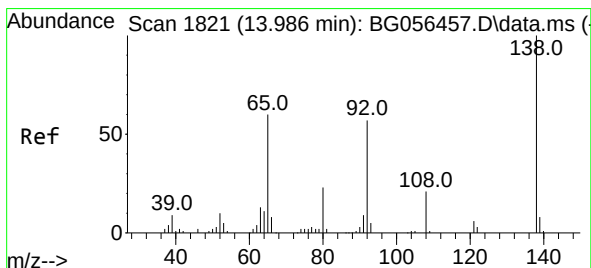
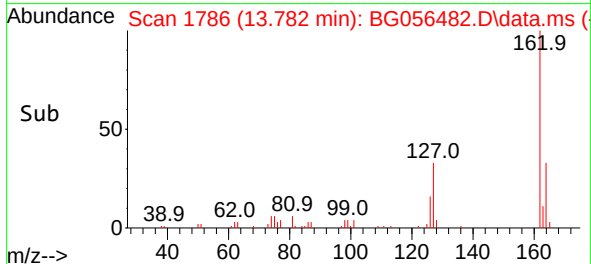
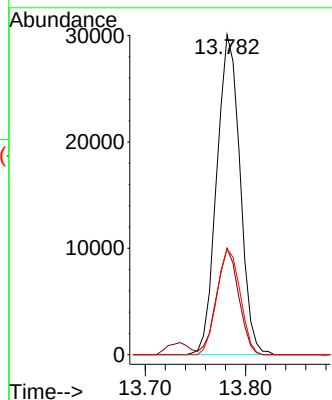
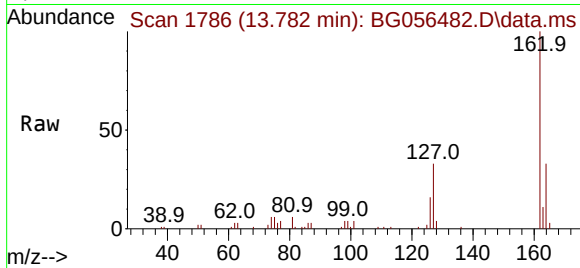




#47
2-Chloronaphthalene
Concen: 9.916 ng
RT: 13.782 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

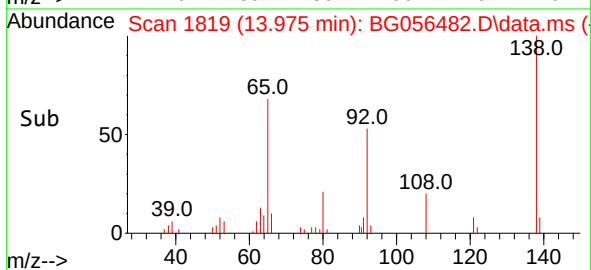
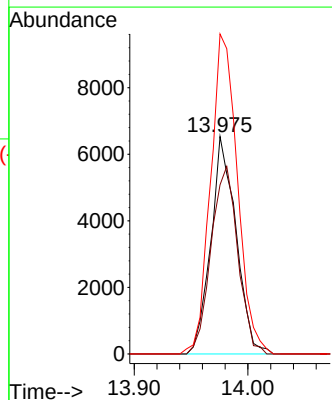
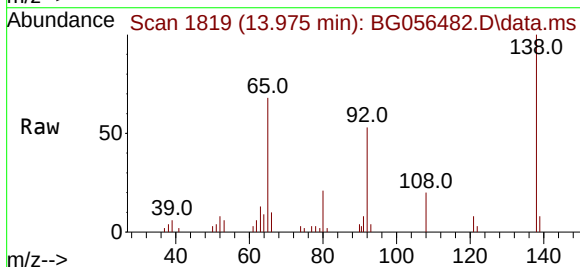
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

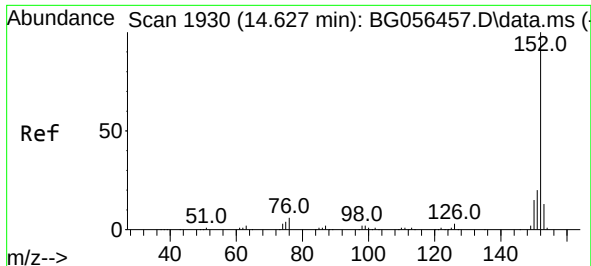
Tgt Ion:162 Resp: 48388
Ion Ratio Lower Upper
162 100
127 33.3 25.2 37.8
164 33.0 26.2 39.2



#48
2-Nitroaniline
Concen: 9.977 ng
RT: 13.975 min Scan# 1819
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion: 65 Resp: 10064
Ion Ratio Lower Upper
65 100
92 77.7 75.8 113.6
138 147.1 133.2 199.8

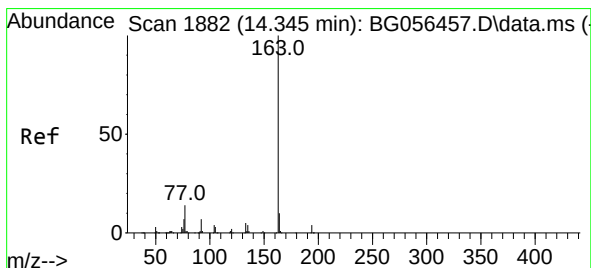
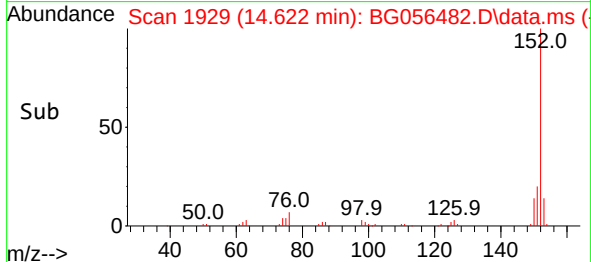
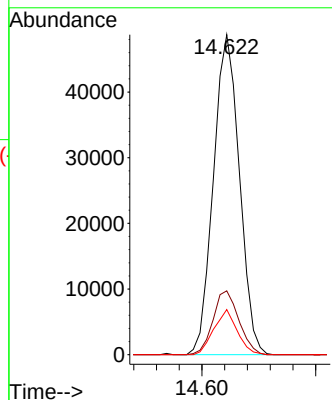
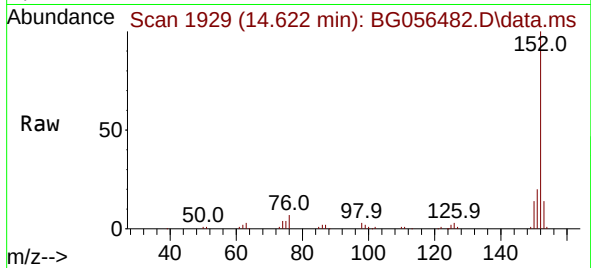




#49
Acenaphthylene
Concen: 9.740 ng
RT: 14.622 min Scan# 1930
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

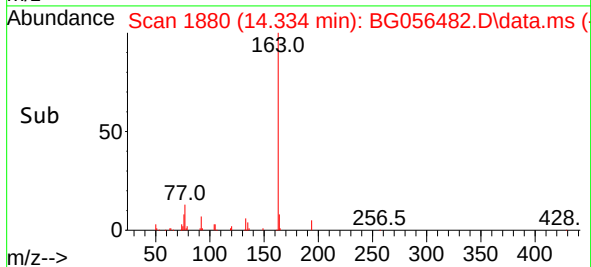
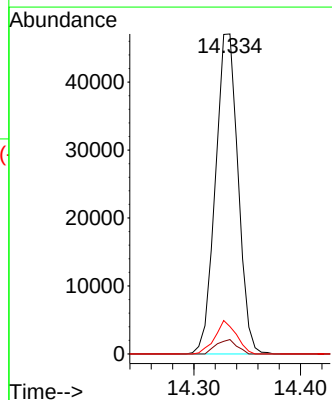
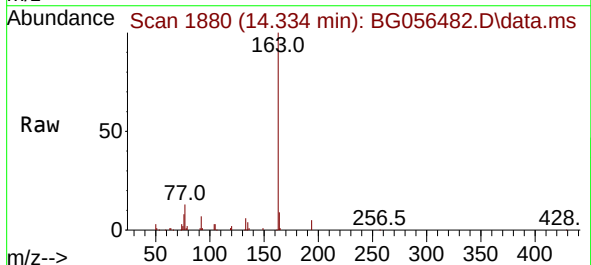
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

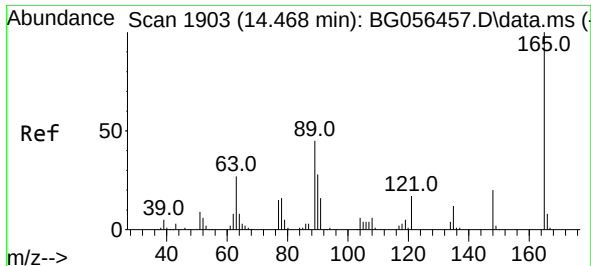
Tgt Ion:152 Resp: 77324
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 14.1 10.5 15.7



#50
Dimethylphthalate
Concen: 9.959 ng
RT: 14.334 min Scan# 1880
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:163 Resp: 69347
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 8.6 8.1 12.1

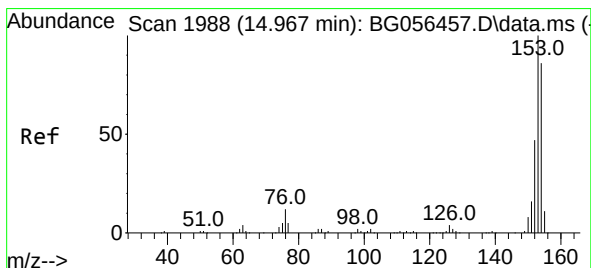
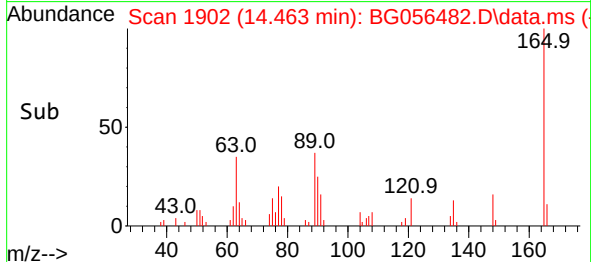
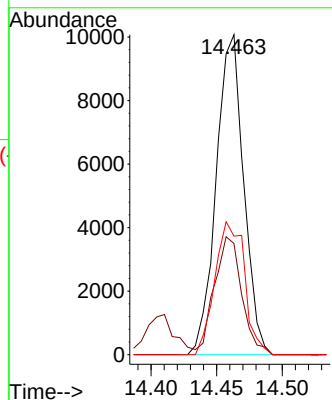
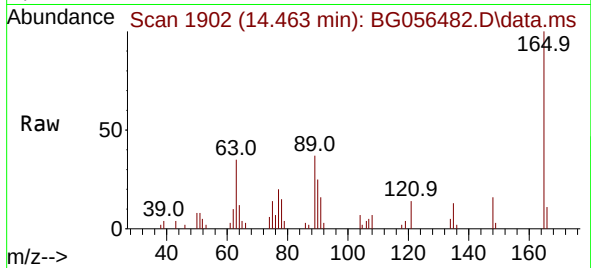




#51
2,6-Dinitrotoluene
Concen: 9.659 ng
RT: 14.463 min Scan# 1902
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

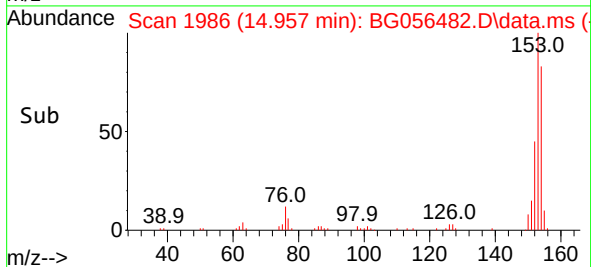
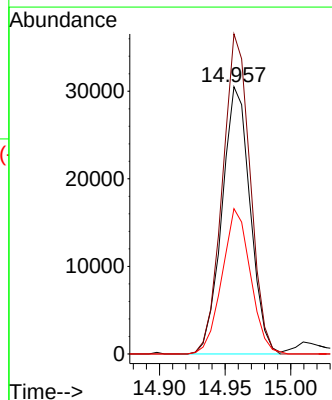
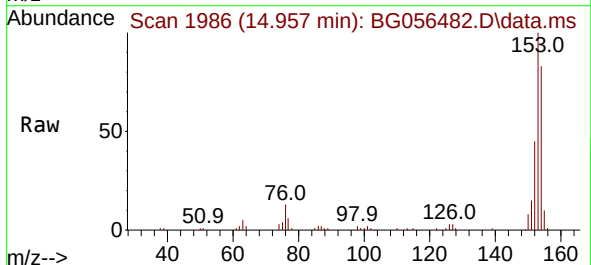
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

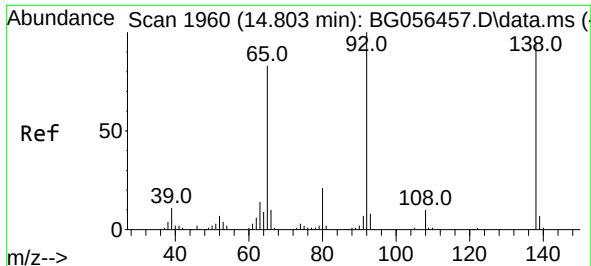
Tgt Ion:165 Resp: 14668
Ion Ratio Lower Upper
165 100
63 34.7 26.9 40.3
89 37.1 35.6 53.4



#52
Acenaphthene
Concen: 9.674 ng
RT: 14.957 min Scan# 1986
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

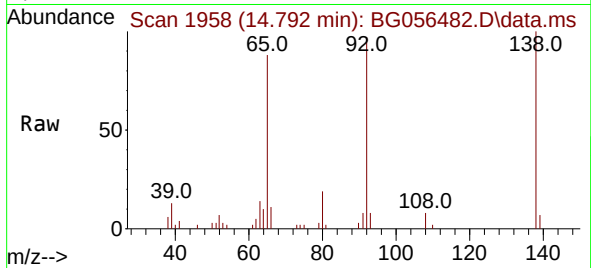
Tgt Ion:154 Resp: 45547
Ion Ratio Lower Upper
154 100
153 119.8 93.4 140.0
152 54.4 43.4 65.2



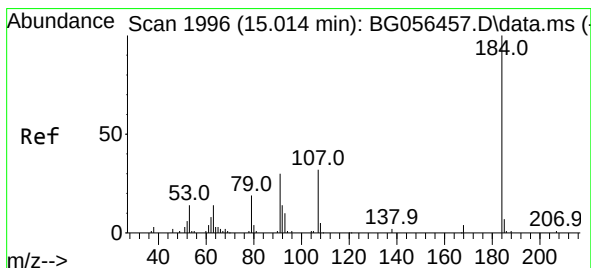
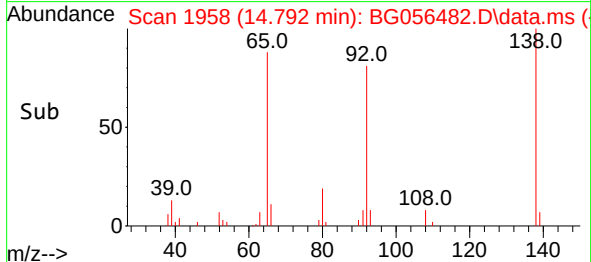
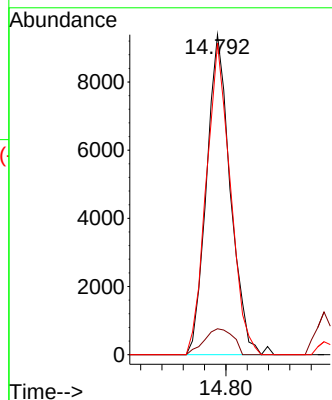


#53
3-Nitroaniline
Concen: 9.908 ng
RT: 14.792 min Scan# 1958
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

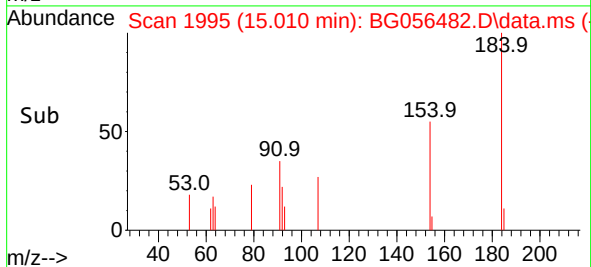
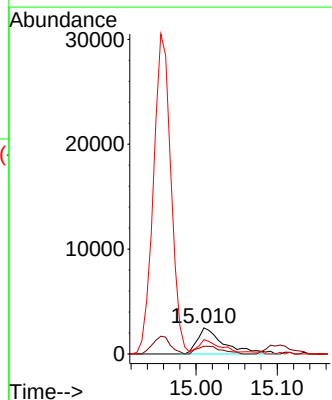
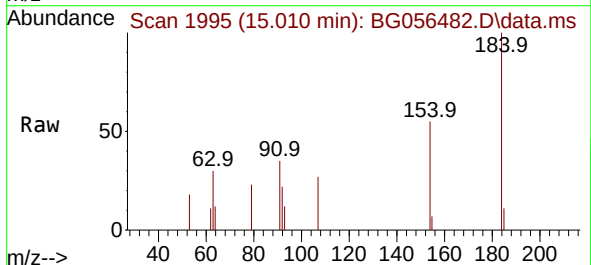


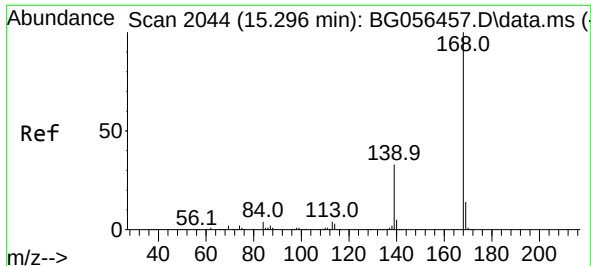
Tgt Ion:138 Resp: 14586
Ion Ratio Lower Upper
138 100
108 8.1 8.0 12.0
92 97.4 84.1 126.1



#54
2,4-Dinitrophenol
Concen: 5.919 ng
RT: 15.010 min Scan# 1995
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:184 Resp: 5635
Ion Ratio Lower Upper
184 100
63 29.6 25.1 37.7
154 62.3 44.8 67.2

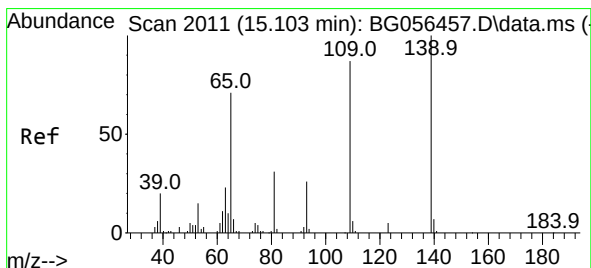
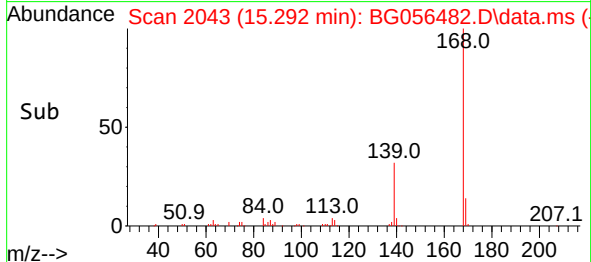
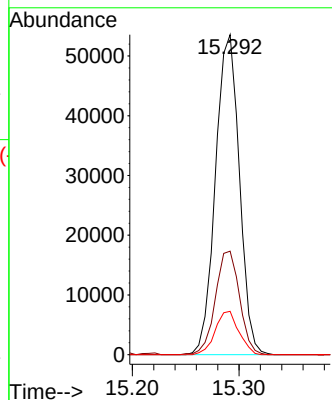
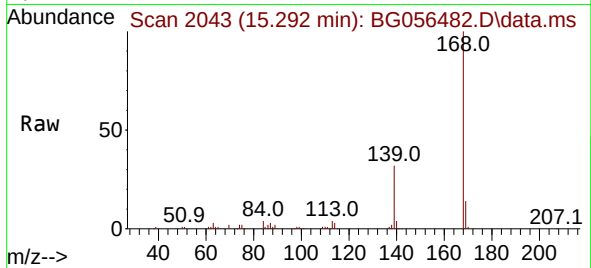




#55
Dibenzofuran
Concen: 9.861 ng
RT: 15.292 min Scan# 2044
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

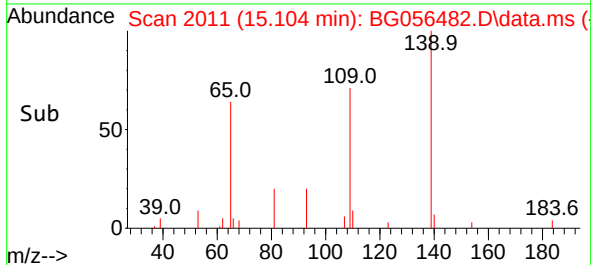
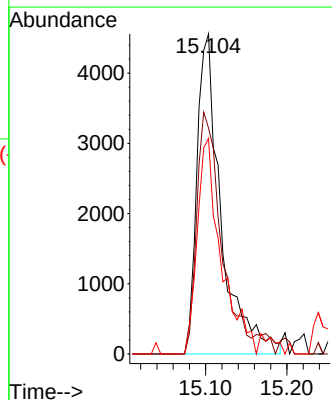
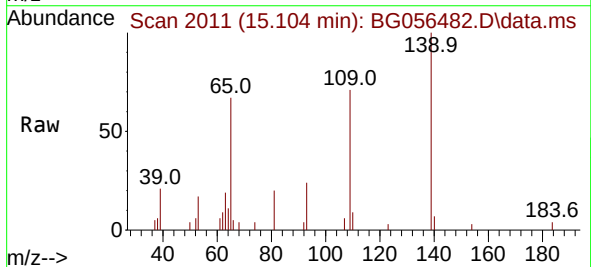
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

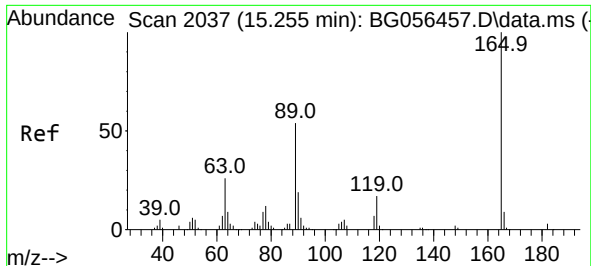
Tgt Ion:168 Resp: 83262
Ion Ratio Lower Upper
168 100
139 32.3 26.2 39.2
169 13.5 11.0 16.6



#56
4-Nitrophenol
Concen: 9.374 ng
RT: 15.104 min Scan# 2011
Delta R.T. 0.007 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:139 Resp: 9430
Ion Ratio Lower Upper
139 100
109 70.6 67.5 107.5
65 67.4 50.7 90.7





#57

2,4-Dinitrotoluene

Concen: 10.177 ng

RT: 15.245 min Scan# 2035

Delta R.T. -0.005 min

Lab File: BG056482.D

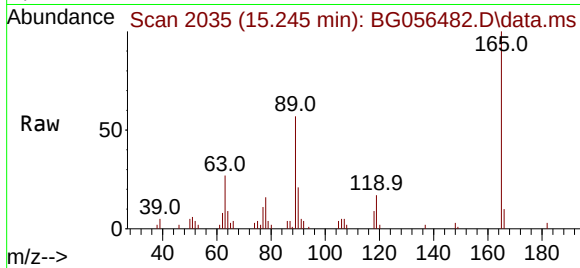
Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:165 Resp: 21769

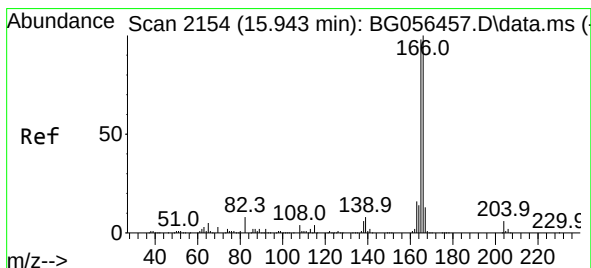
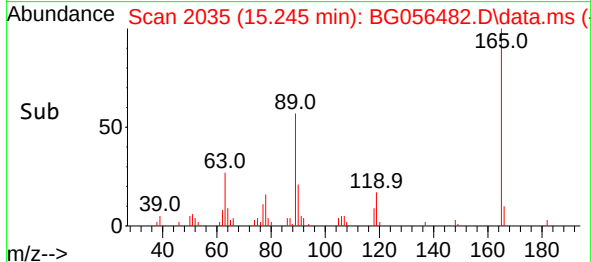
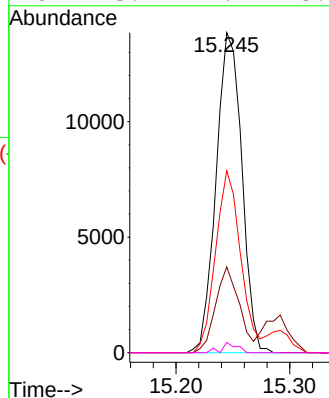
Ion Ratio Lower Upper

165 100

63 26.8 20.6 31.0

89 56.9 43.1 64.7

182 3.2 2.4 3.6



#58

Fluorene

Concen: 10.251 ng

RT: 15.932 min Scan# 2152

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

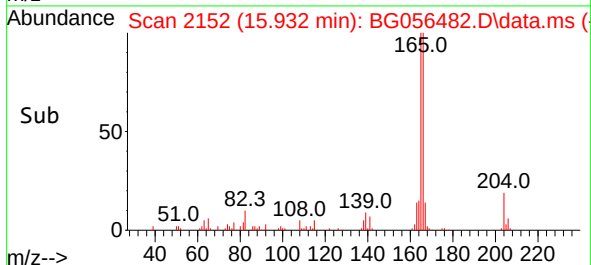
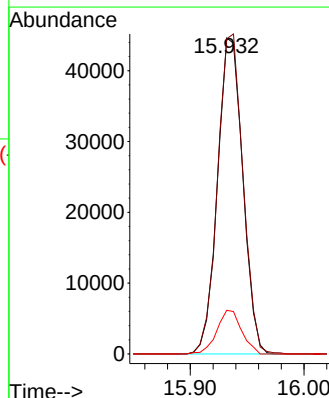
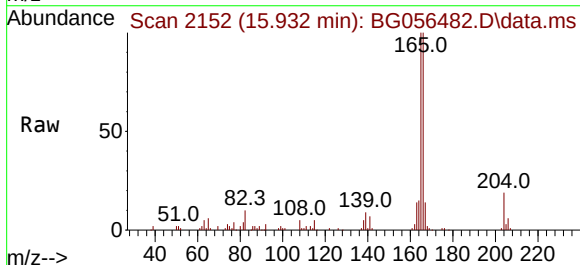
Tgt Ion:166 Resp: 68871

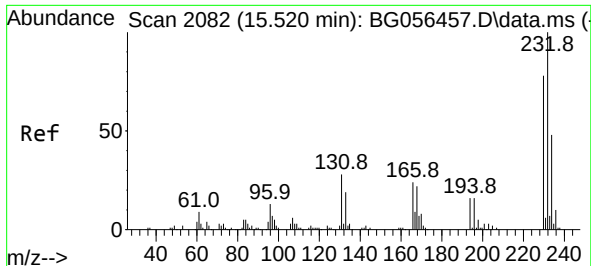
Ion Ratio Lower Upper

166 100

165 99.8 78.8 118.2

167 13.8 10.6 15.8

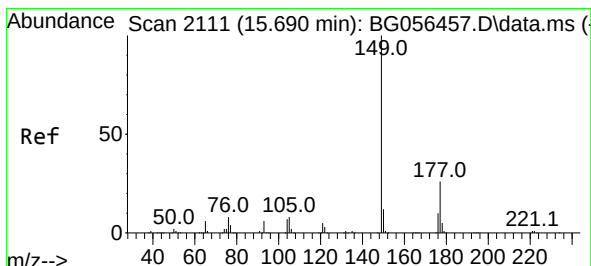
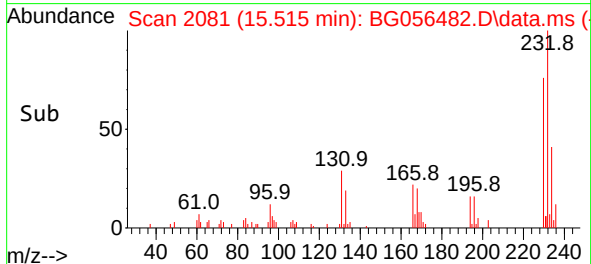
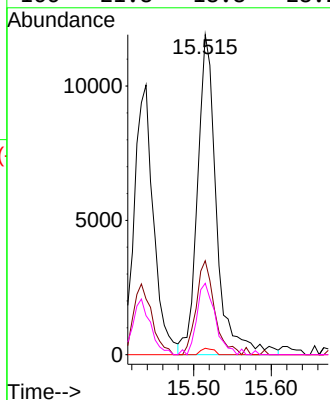
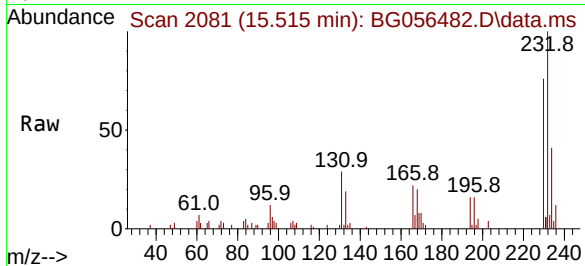




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.616 ng
RT: 15.515 min Scan# 2081
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

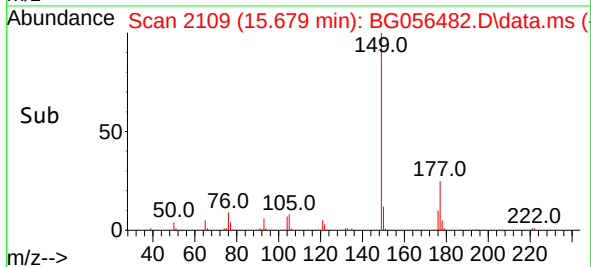
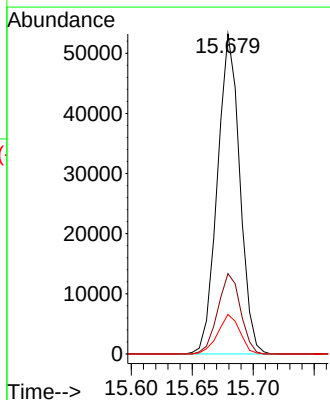
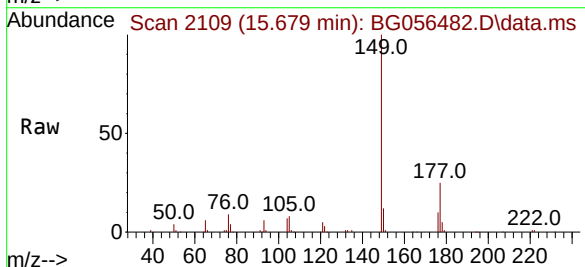
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

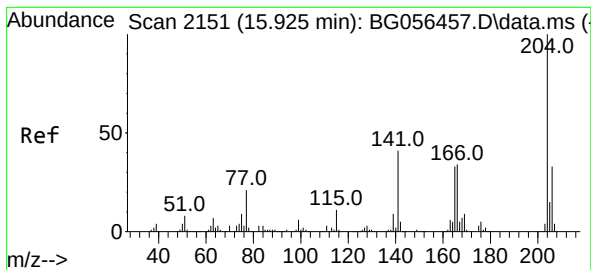
Tgt Ion:232	Resp:	20285
Ion Ratio	Lower	Upper
232	100	
131	28.1	22.8 34.2
130	1.4	1.4 2.0#
166	21.8	18.8 28.2



#60
Diethylphthalate
Concen: 10.409 ng
RT: 15.679 min Scan# 2109
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:149	Resp:	68063
Ion Ratio	Lower	Upper
149	100	
177	25.1	21.0 31.4
150	12.4	9.9 14.9

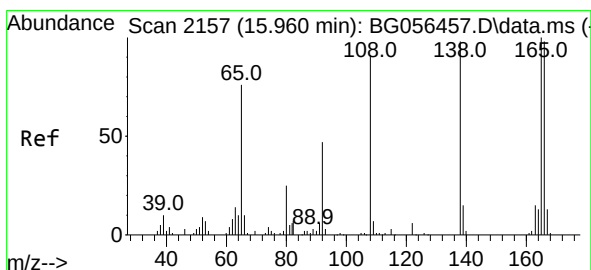
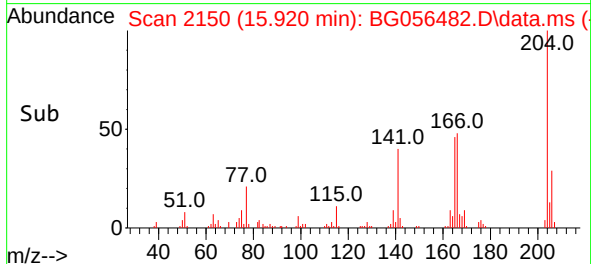
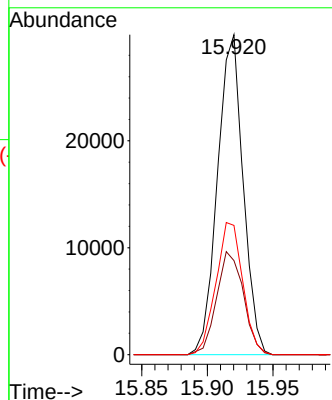
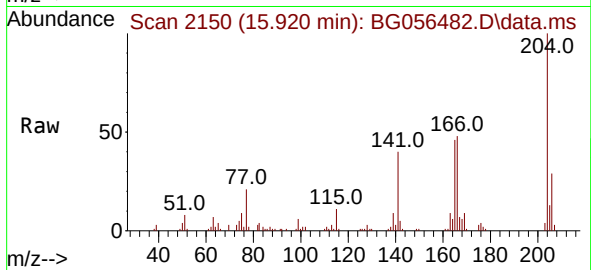




#61
4-Chlorophenyl-phenylether
Concen: 9.908 ng
RT: 15.920 min Scan# 2151
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

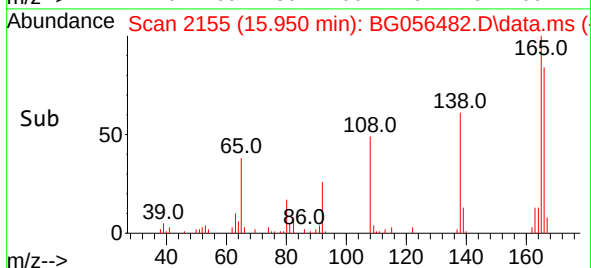
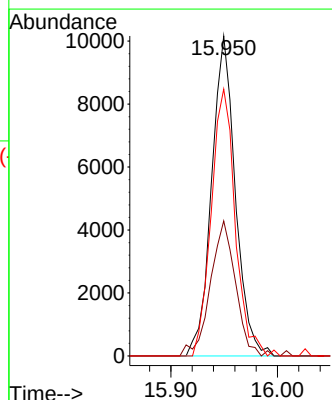
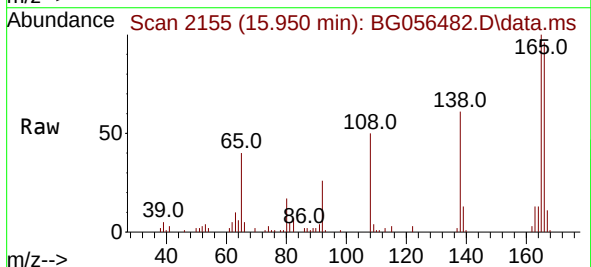
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

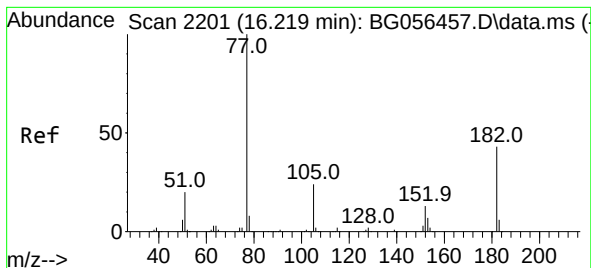
Tgt Ion:204 Resp: 40618
Ion Ratio Lower Upper
204 100
206 29.4 26.2 39.4
141 40.4 32.7 49.1



#62
4-Nitroaniline
Concen: 10.691 ng
RT: 15.950 min Scan# 2155
Delta R.T. -0.011 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:138 Resp: 15749
Ion Ratio Lower Upper
138 100
92 42.2 27.8 67.8
108 83.4 72.6 112.6





#63

Azobenzene

Concen: 10.117 ng

RT: 16.208 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG056482.D

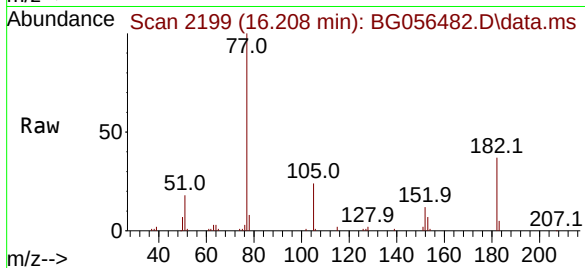
Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 77 Resp: 45519

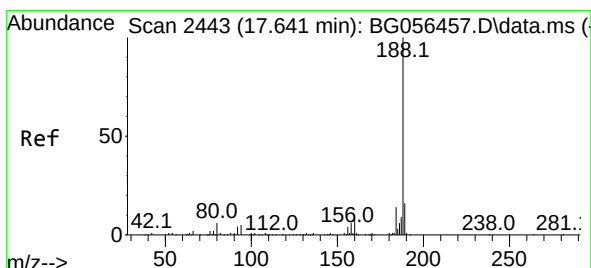
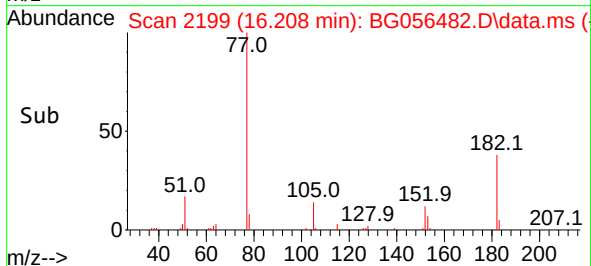
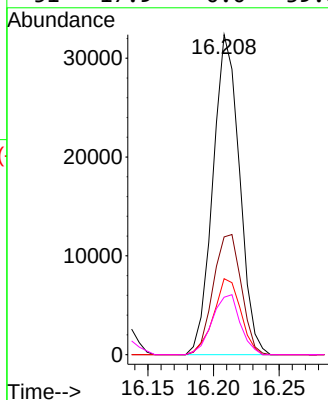
Ion Ratio Lower Upper

77 100

182 36.8 23.1 63.1

105 23.7 4.2 44.2

51 17.9 0.0 39.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.630 min Scan# 2441

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

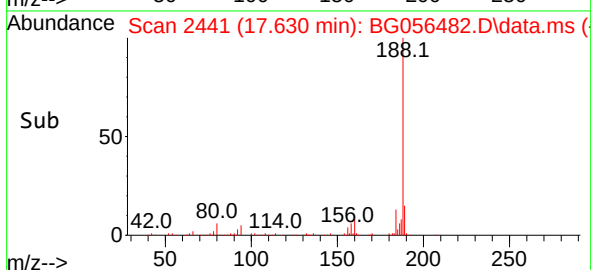
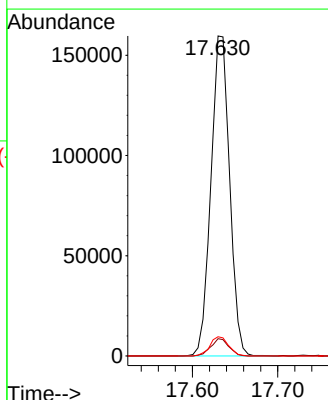
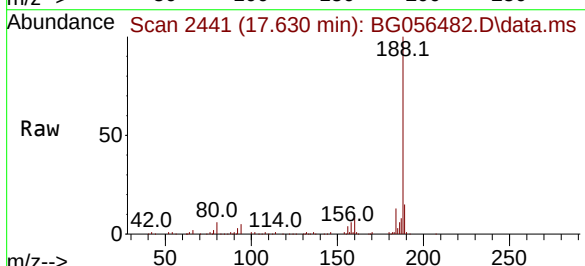
Tgt Ion: 188 Resp: 242890

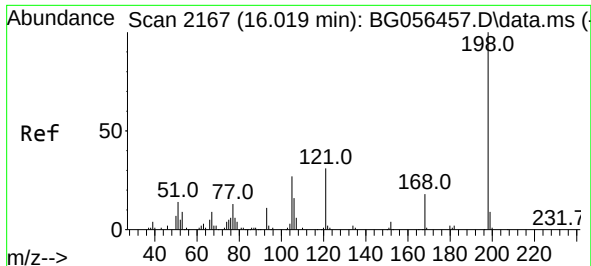
Ion Ratio Lower Upper

188 100

94 5.4 4.1 6.1

80 6.0 5.0 7.4

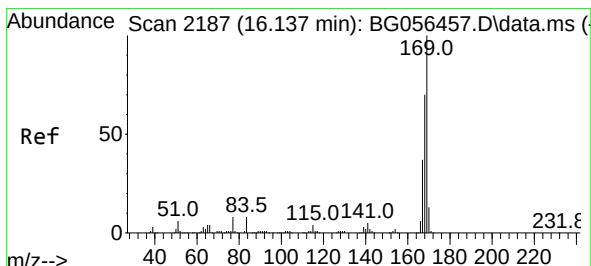
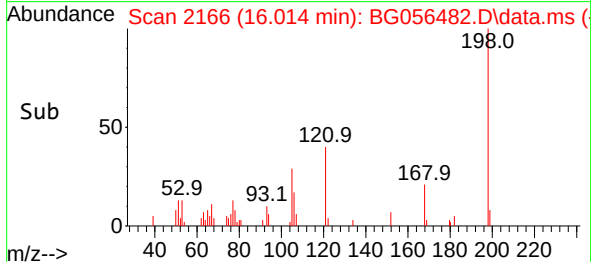
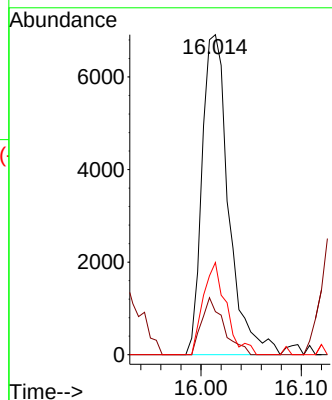
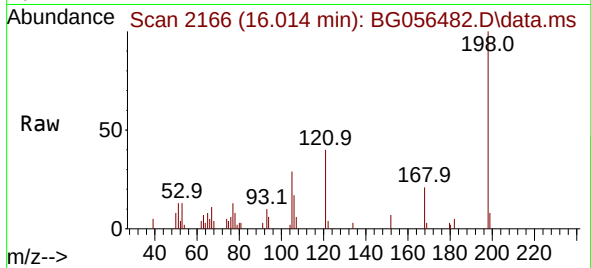




#65
4,6-Dinitro-2-methylphenol
Concen: 7.458 ng
RT: 16.014 min Scan# 2166
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

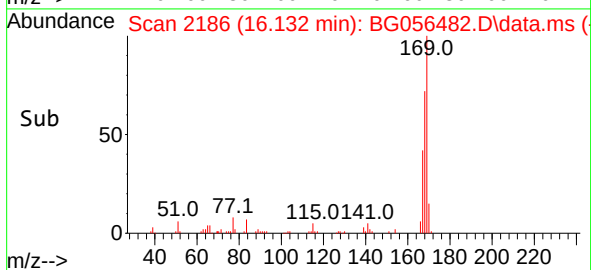
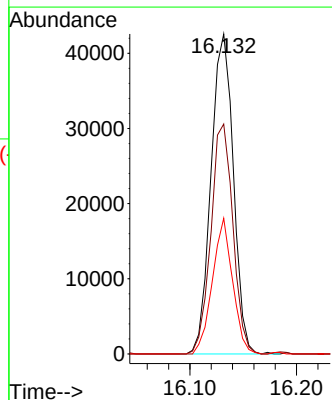
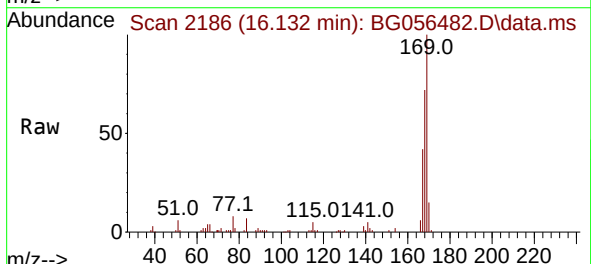
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

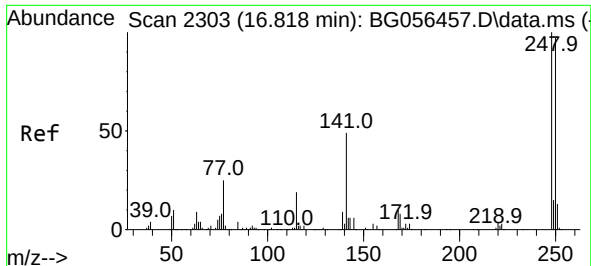
Tgt Ion:198 Resp: 12736
Ion Ratio Lower Upper
198 100
51 13.5 0.0 35.0
105 28.8 7.4 47.4



#66
n-Nitrosodiphenylamine
Concen: 8.988 ng
RT: 16.132 min Scan# 2186
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:169 Resp: 61807
Ion Ratio Lower Upper
169 100
168 71.8 55.8 83.6
167 42.4 29.8 44.8

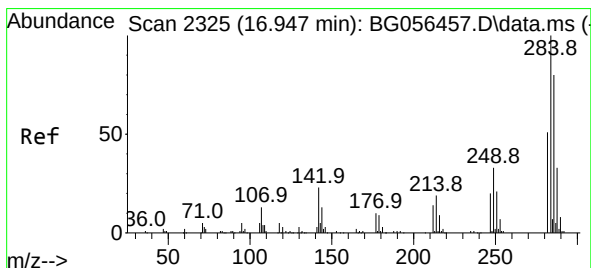
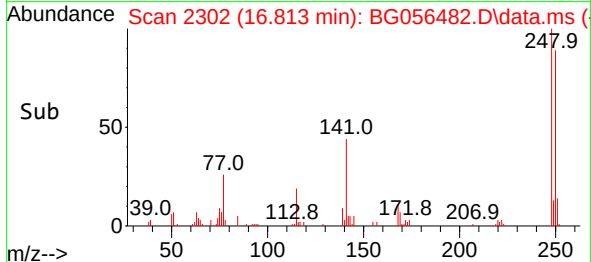
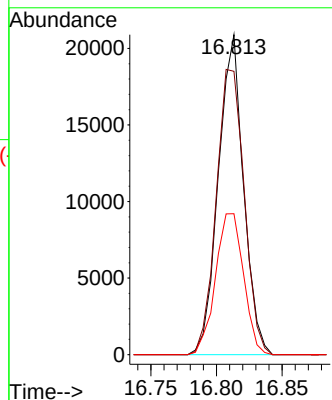
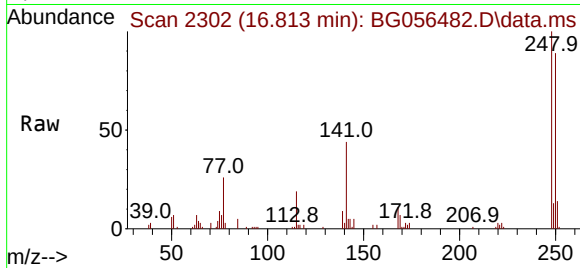




#67
4-Bromophenyl-phenylether
Concen: 8.946 ng
RT: 16.813 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

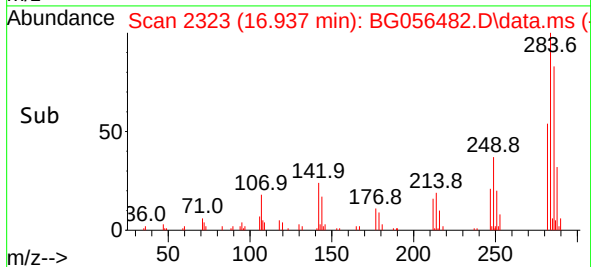
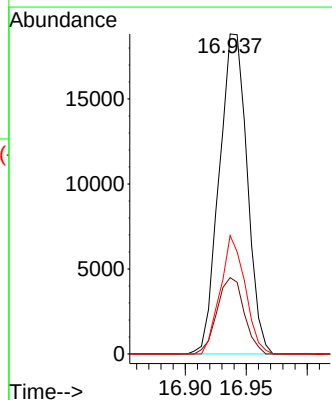
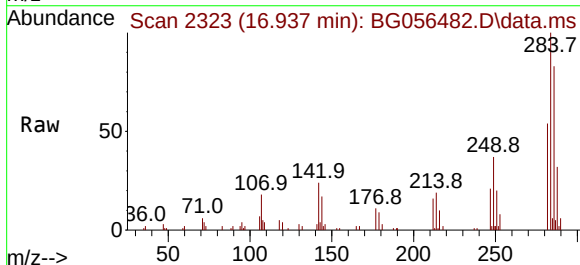
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

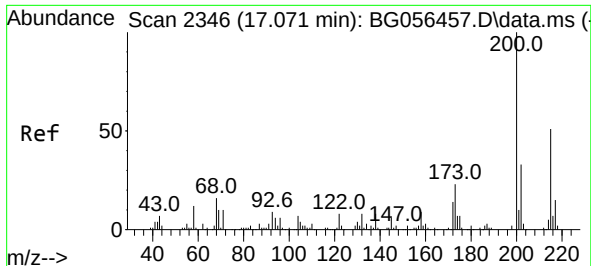
Tgt Ion:248 Resp: 27816
Ion Ratio Lower Upper
248 100
250 88.6 77.6 116.4
141 44.1 39.0 58.4



#68
Hexachlorobenzene
Concen: 9.851 ng
RT: 16.937 min Scan# 2323
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:284 Resp: 30001
Ion Ratio Lower Upper
284 100
142 23.9 18.0 27.0
249 39.2 26.7 40.1

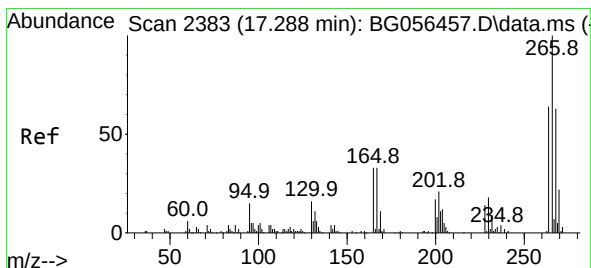
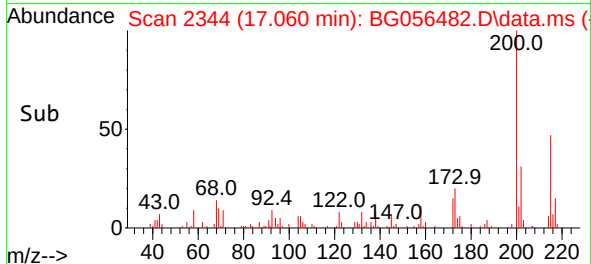
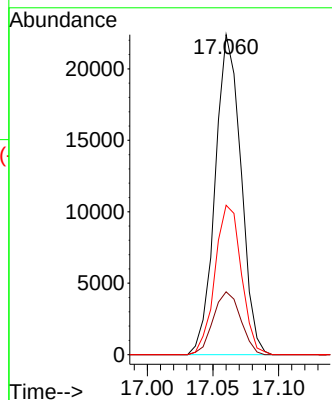
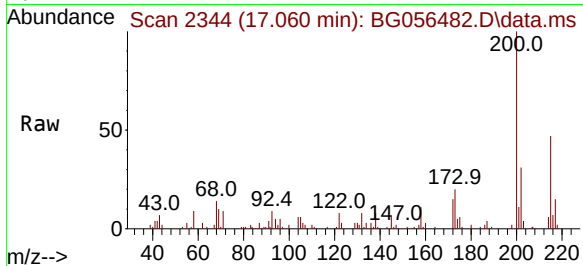




#69
 Atrazine
 Concen: 11.517 ng
 RT: 17.060 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG056482.D
 Acq: 31 Jan 2023 12:08

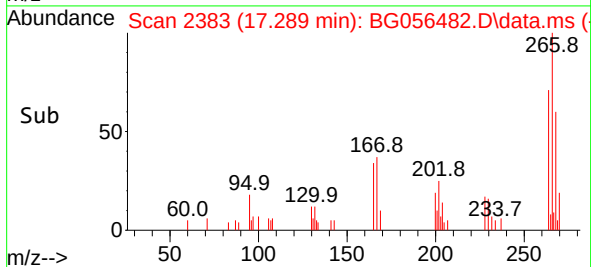
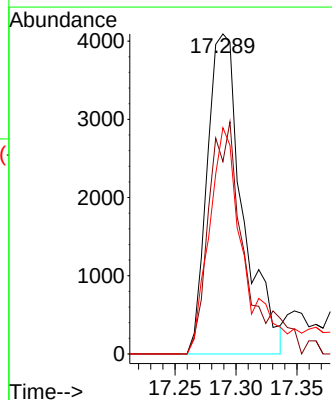
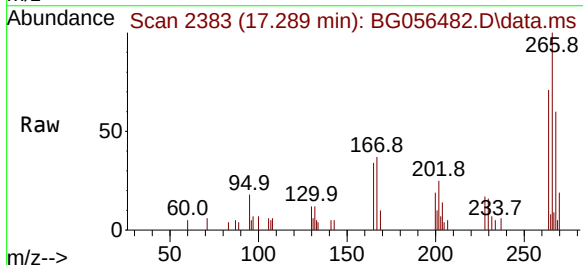
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

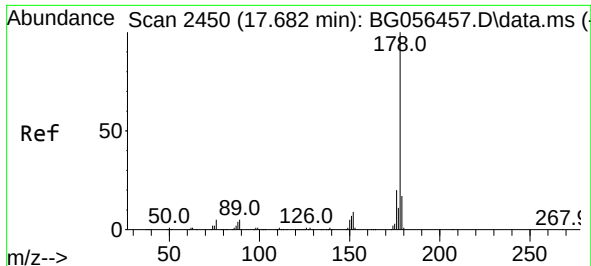
Tgt Ion:200 Resp: 30555
 Ion Ratio Lower Upper
 200 100
 173 19.7 3.2 43.2
 215 46.7 30.7 70.7



#70
 Pentachlorophenol
 Concen: 4.529 ng
 RT: 17.289 min Scan# 2383
 Delta R.T. 0.007 min
 Lab File: BG056482.D
 Acq: 31 Jan 2023 12:08

Tgt Ion:266 Resp: 8346
 Ion Ratio Lower Upper
 266 100
 268 60.1 50.2 75.4
 264 70.7 51.4 77.0

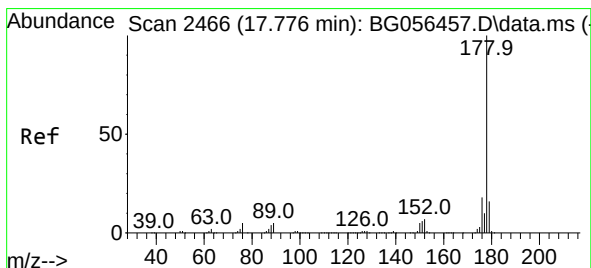
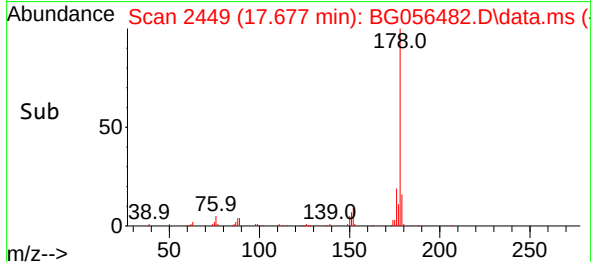
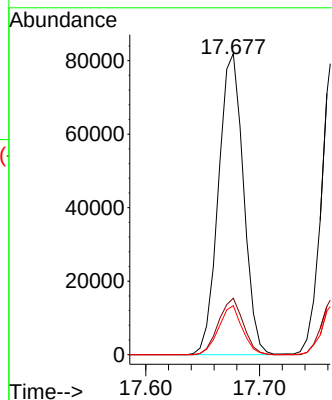
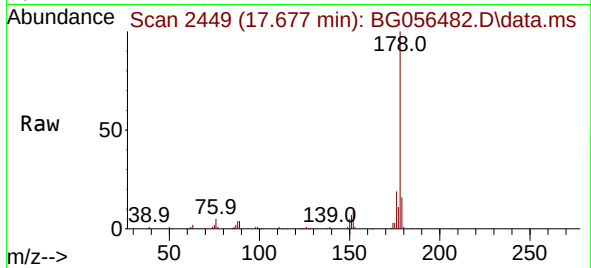




#71
Phenanthrene
Concen: 9.842 ng
RT: 17.677 min Scan# 2449
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

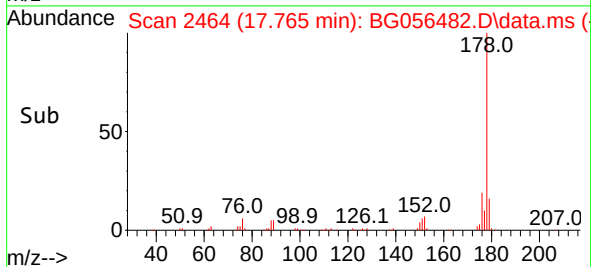
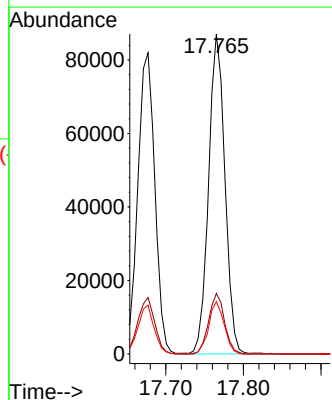
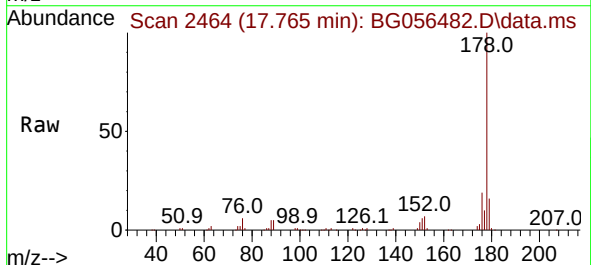
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

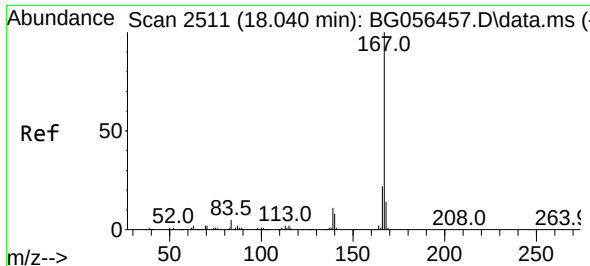
Tgt Ion:178 Resp: 125113
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 16.2 13.3 19.9



#72
Anthracene
Concen: 9.762 ng
RT: 17.765 min Scan# 2464
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:178 Resp: 127396
Ion Ratio Lower Upper
178 100
176 18.9 14.5 21.7
179 16.3 12.5 18.7

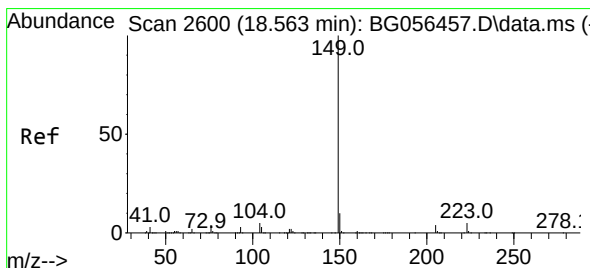
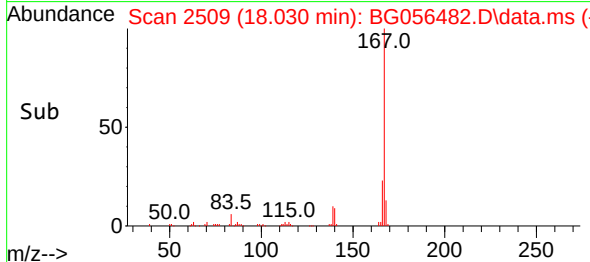
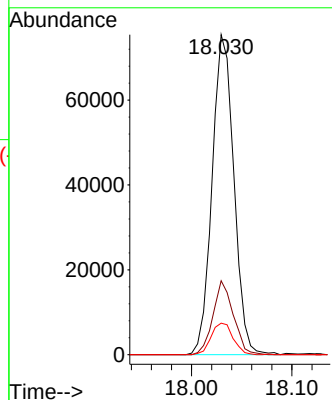
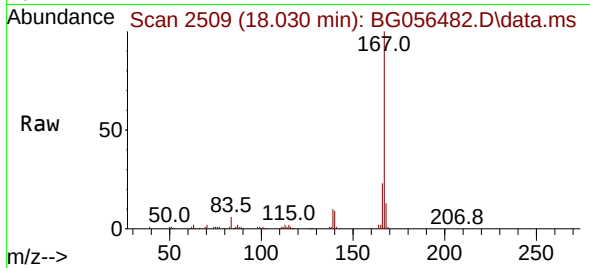




#73
 Carbazole
 Concen: 10.228 ng
 RT: 18.030 min Scan# 2509
 Delta R.T. -0.005 min
 Lab File: BG056482.D
 Acq: 31 Jan 2023 12:08

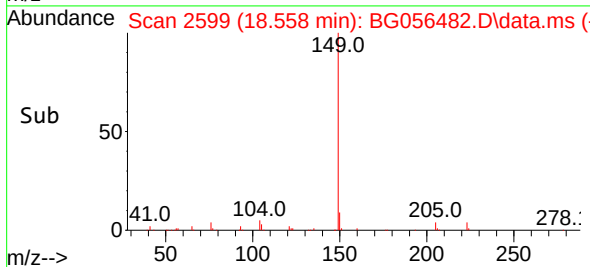
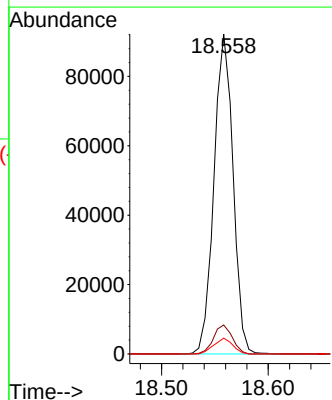
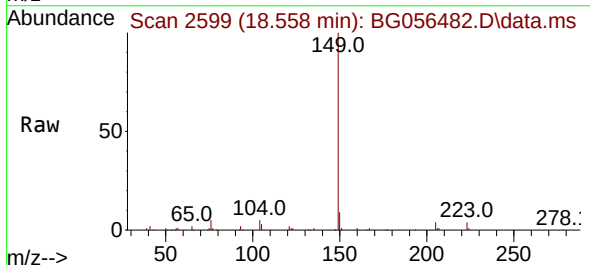
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

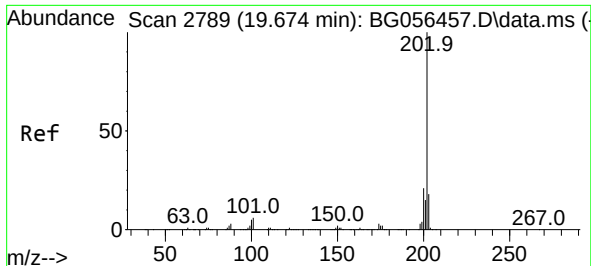
Tgt Ion:167	Resp:	113676
Ion Ratio	Lower	Upper
167	100	
166	23.1	17.8 26.6
139	9.9	8.9 13.3



#74
 Di-n-butylphthalate
 Concen: 9.793 ng
 RT: 18.558 min Scan# 2599
 Delta R.T. -0.005 min
 Lab File: BG056482.D
 Acq: 31 Jan 2023 12:08

Tgt Ion:149	Resp:	114288
Ion Ratio	Lower	Upper
149	100	
150	9.0	7.8 11.6
104	5.0	4.0 6.0

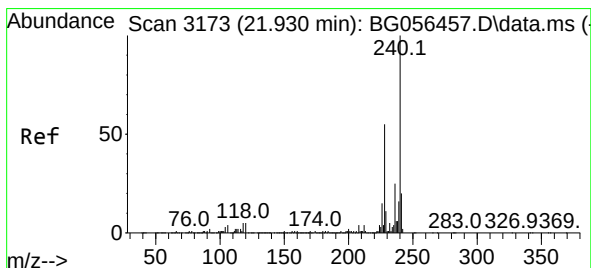
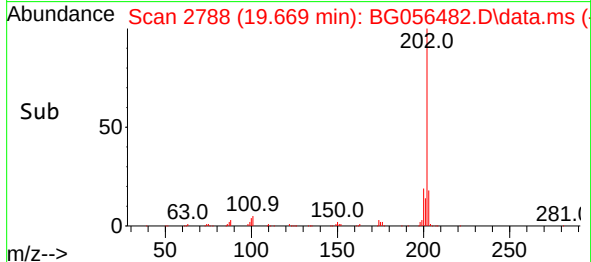
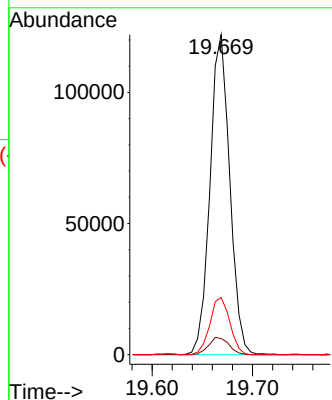
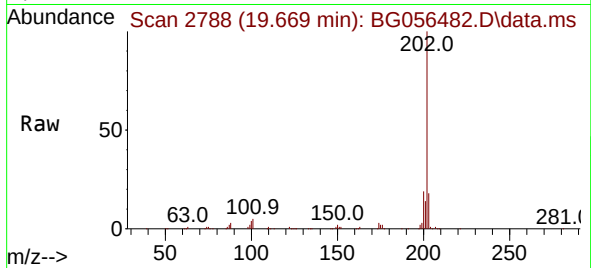




#75
Fluoranthene
Concen: 10.422 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

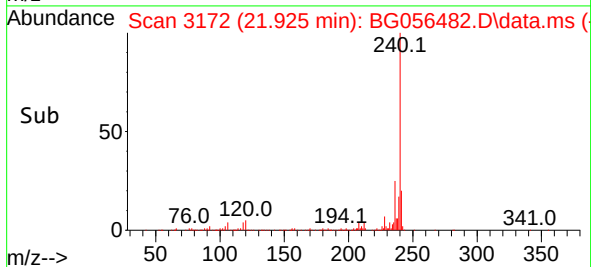
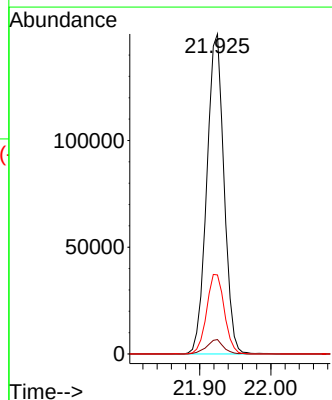
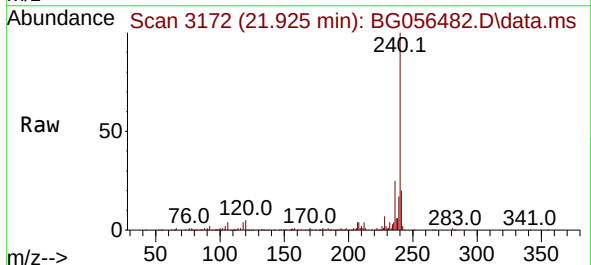
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

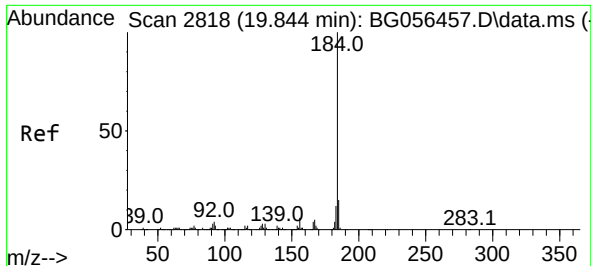
Tgt Ion:202 Resp: 167222
Ion Ratio Lower Upper
202 100
101 5.1 0.0 25.6
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:240 Resp: 251734
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 24.7 20.2 30.2

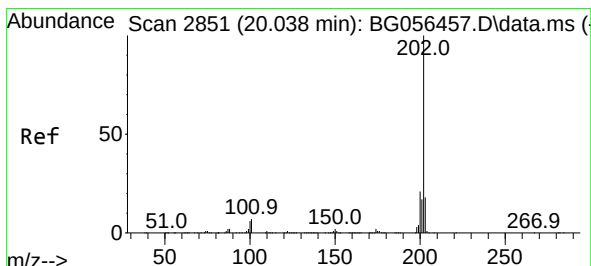
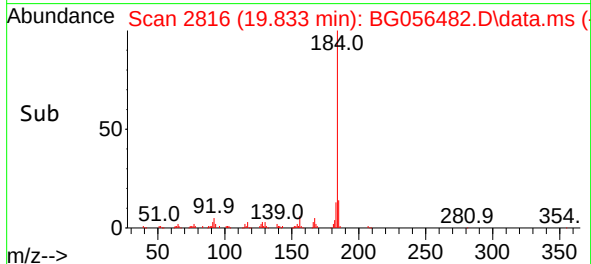
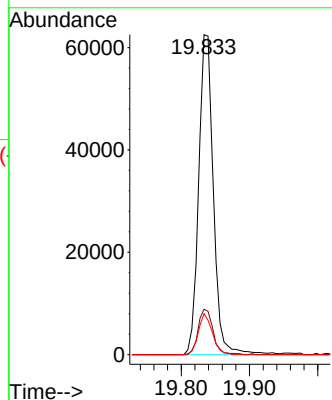
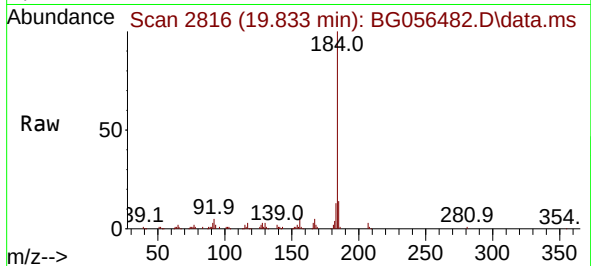




#77
Benzidine
Concen: 13.753 ng
RT: 19.833 min Scan# 2816
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

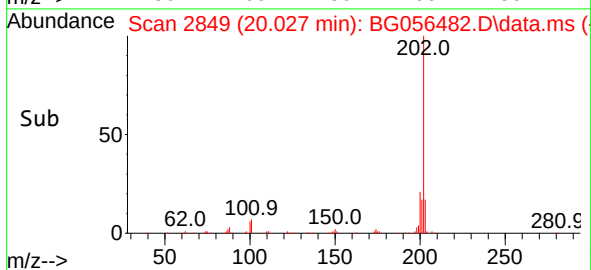
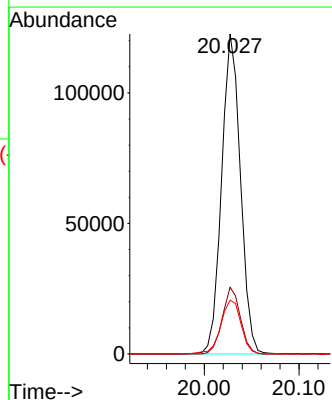
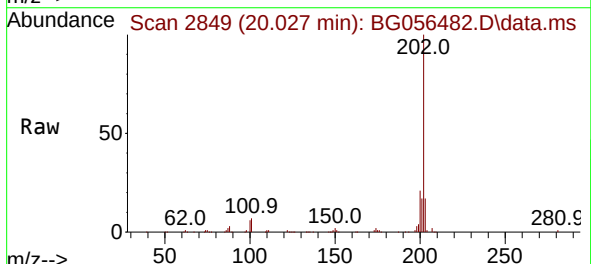
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

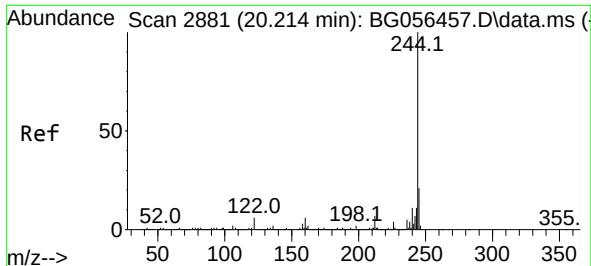
Tgt Ion:184 Resp: 93691
Ion Ratio Lower Upper
184 100
185 14.2 12.3 18.5
183 12.8 9.8 14.8



#78
Pyrene
Concen: 9.455 ng
RT: 20.027 min Scan# 2849
Delta R.T. -0.005 min
Lab File: BG056482.D
Acq: 31 Jan 2023 12:08

Tgt Ion:202 Resp: 169272
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 16.8 14.4 21.6

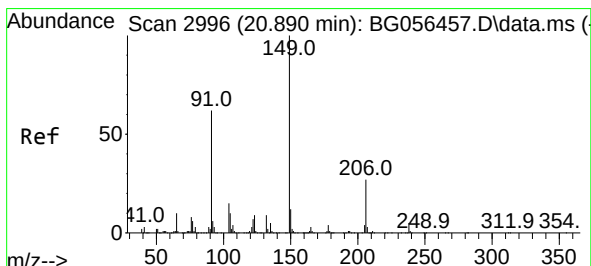
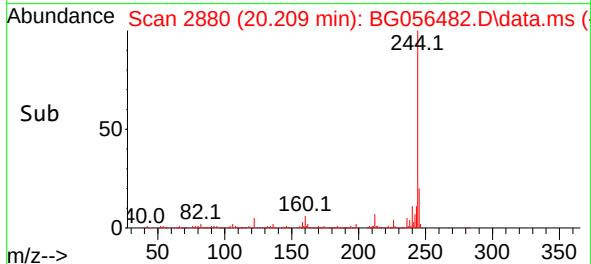
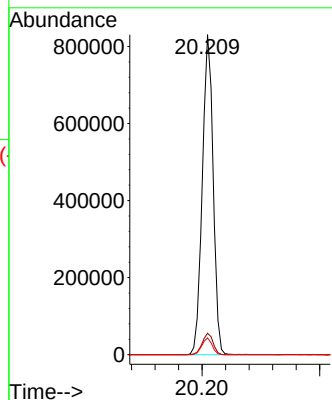
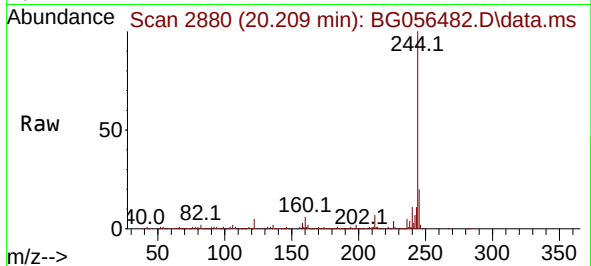




#79
 Terphenyl-d14
 Concen: 74.068 ng
 RT: 20.209 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG056482.D
 Acq: 31 Jan 2023 12:08

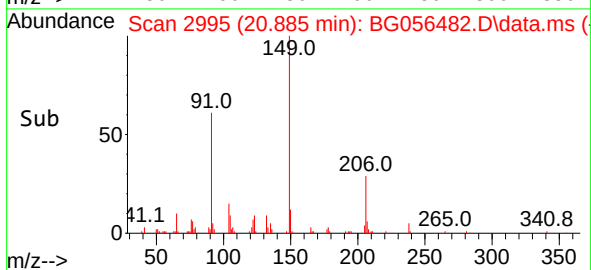
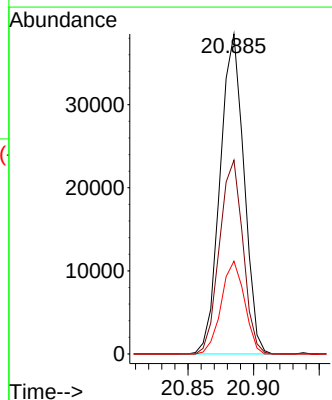
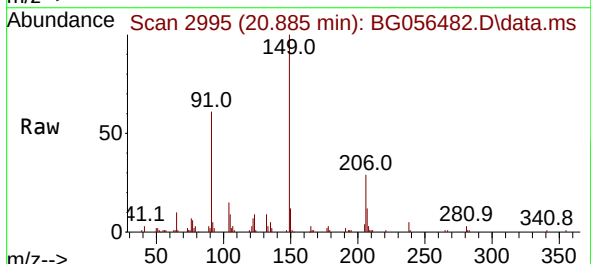
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

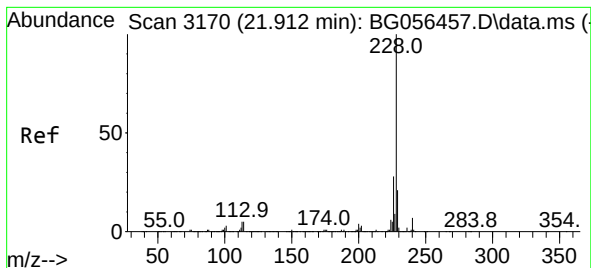
Tgt Ion:244 Resp: 1061589
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 5.3 4.4 6.6



#80
 Butylbenzylphthalate
 Concen: 8.898 ng
 RT: 20.885 min Scan# 2995
 Delta R.T. 0.001 min
 Lab File: BG056482.D
 Acq: 31 Jan 2023 12:08

Tgt Ion:149 Resp: 48654
 Ion Ratio Lower Upper
 149 100
 91 60.5 49.4 74.0
 206 29.0 22.0 33.0





#81

Benzo(a)anthracene

Concen: 9.802 ng

RT: 21.901 min Scan# 3170

Delta R.T. 0.001 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

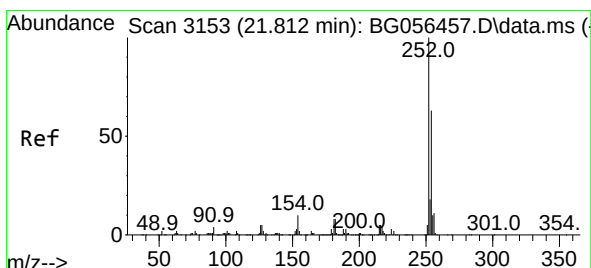
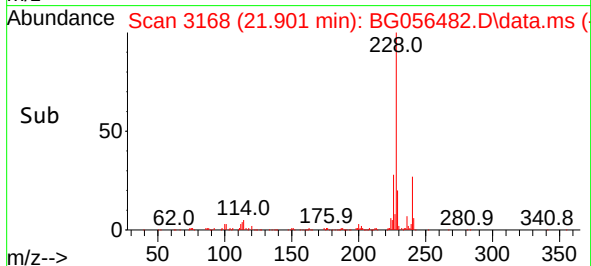
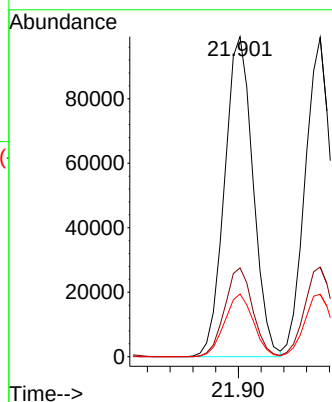
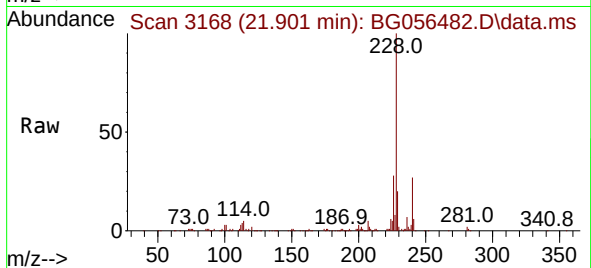
Tgt Ion:228 Resp: 172498

Ion Ratio Lower Upper

228 100

226 27.7 22.4 33.6

229 19.6 16.5 24.7



#82

3,3'-Dichlorobenzidine

Concen: 11.216 ng

RT: 21.802 min Scan# 3151

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

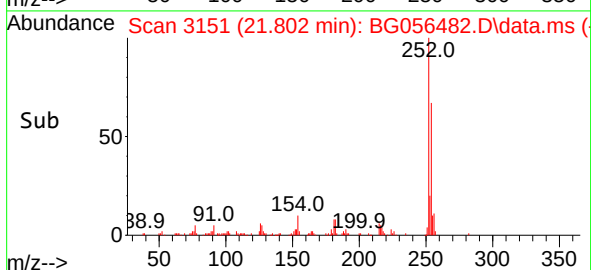
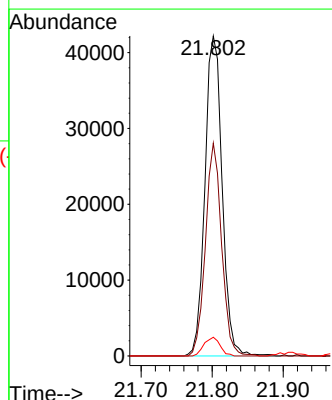
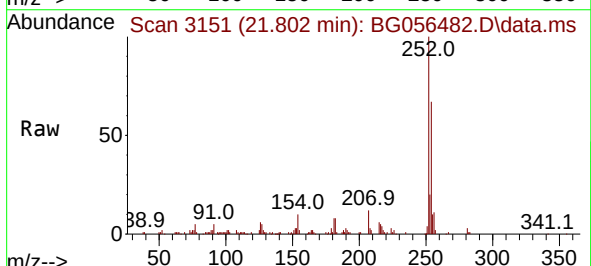
Tgt Ion:252 Resp: 71085

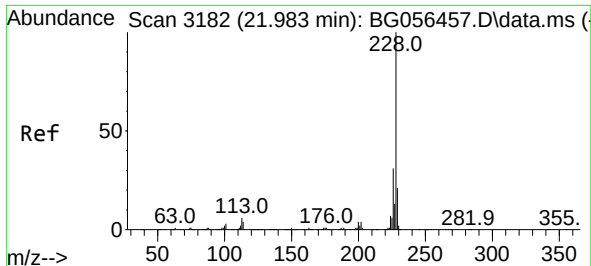
Ion Ratio Lower Upper

252 100

254 66.5 50.0 75.0

126 5.9 4.3 6.5





#83

Chrysene

Concen: 9.782 ng

RT: 21.972 min Scan# 3180

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

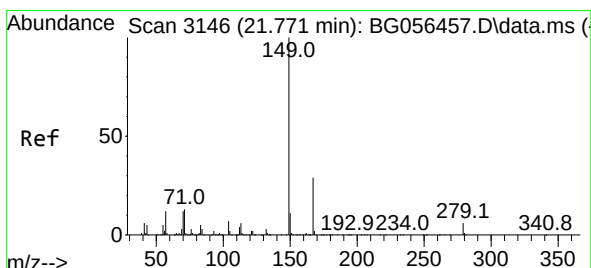
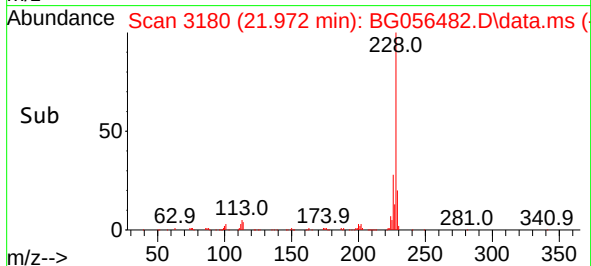
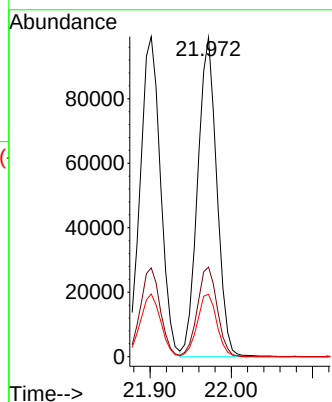
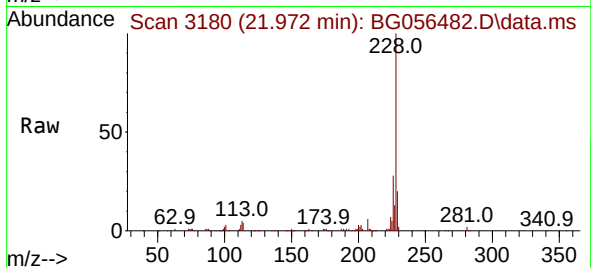
Tgt Ion:228 Resp: 161738

Ion Ratio Lower Upper

228 100

226 28.1 25.0 37.4

229 19.5 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.092 ng

RT: 21.760 min Scan# 3144

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

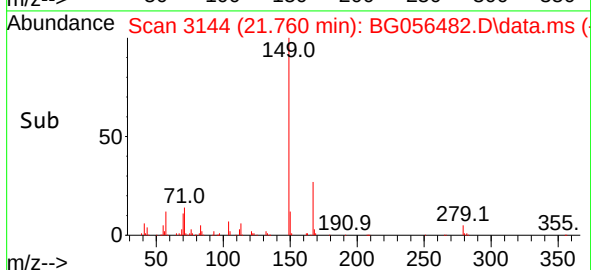
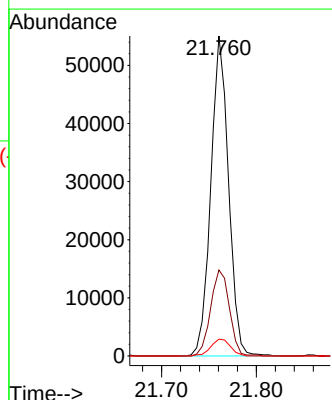
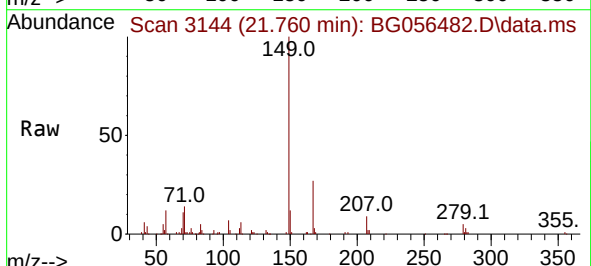
Tgt Ion:149 Resp: 71277

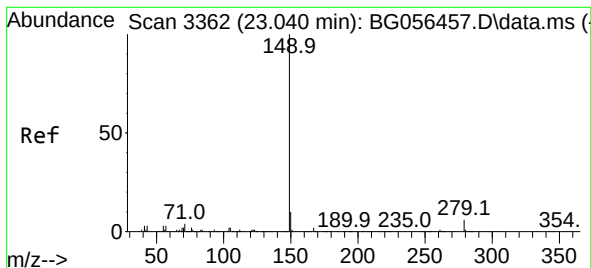
Ion Ratio Lower Upper

149 100

167 26.9 23.4 35.2

279 5.3 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 9.254 ng

RT: 23.030 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

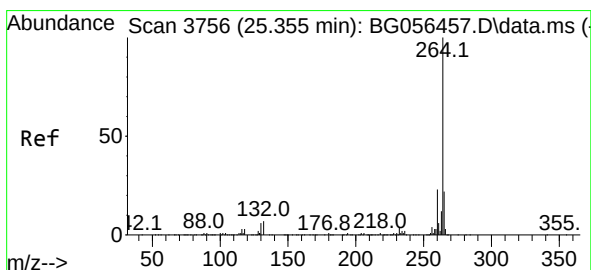
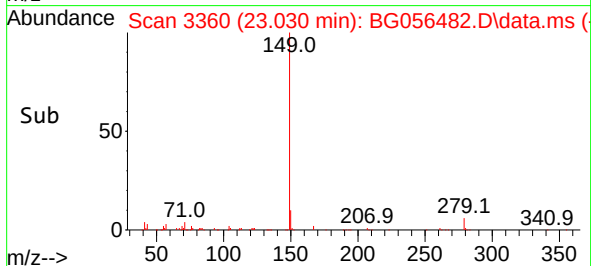
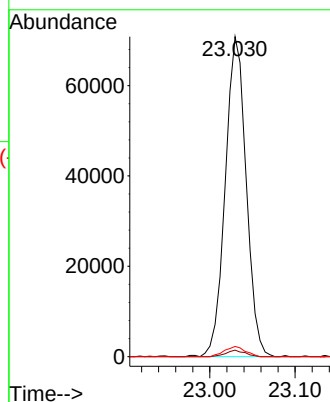
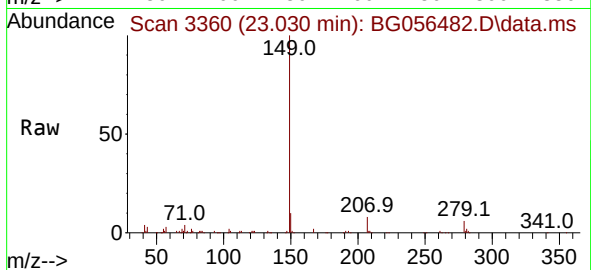
Tgt Ion:149 Resp: 120811

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 3.2 2.7 4.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.339 min Scan# 3753

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

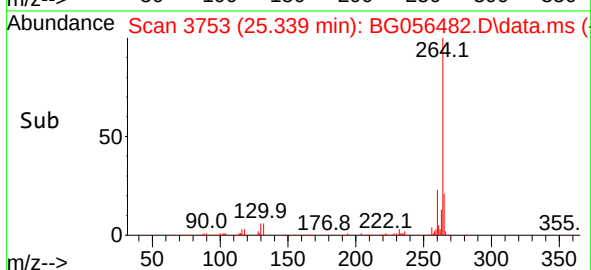
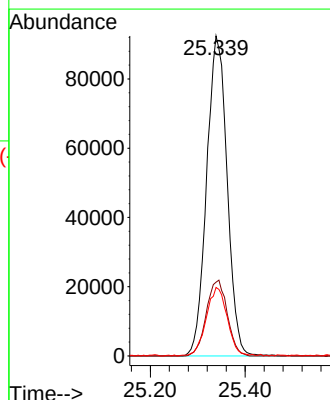
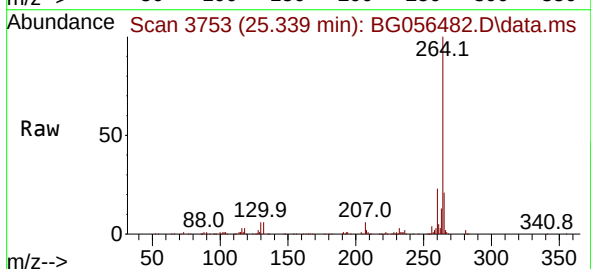
Tgt Ion:264 Resp: 277081

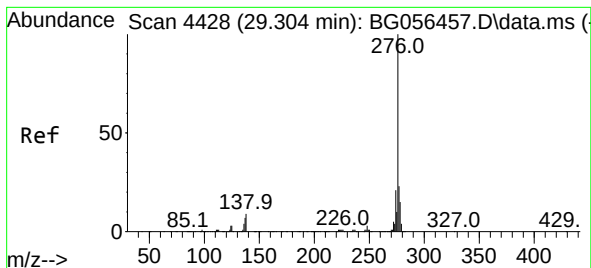
Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 21.4 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.410 ng

RT: 29.275 min Scan# 4423

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

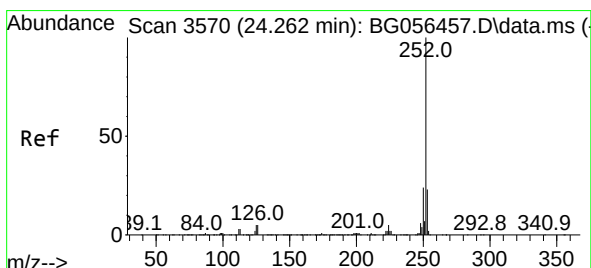
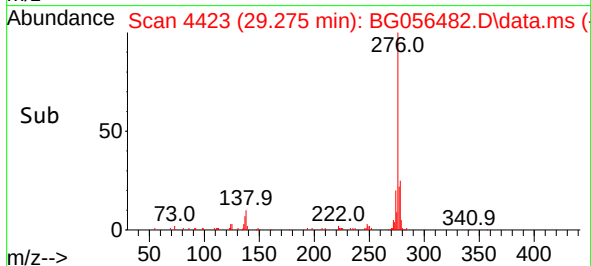
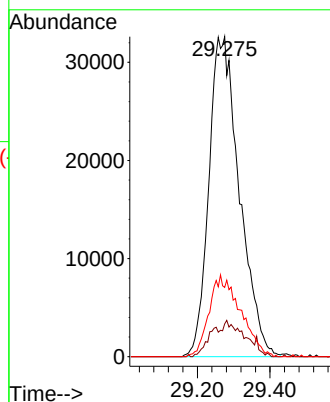
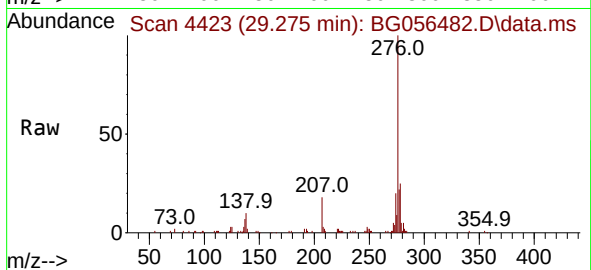
Tgt Ion:276 Resp: 190868

Ion Ratio Lower Upper

276 100

138 7.7 9.4 14.2#

277 12.9 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 10.367 ng

RT: 24.246 min Scan# 3567

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

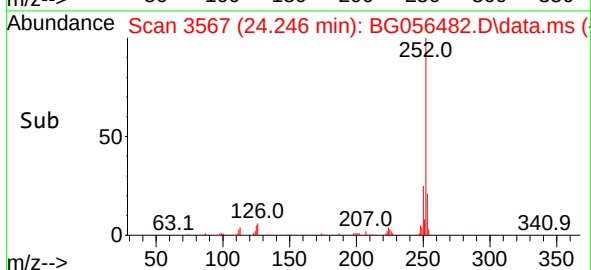
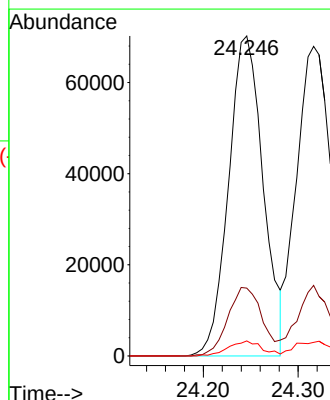
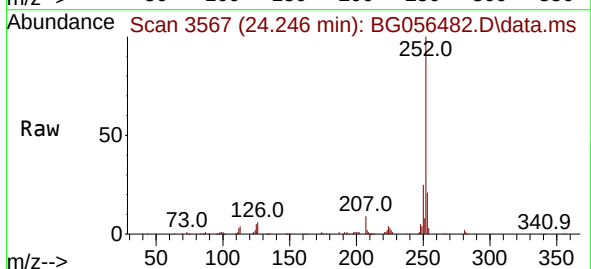
Tgt Ion:252 Resp: 178298

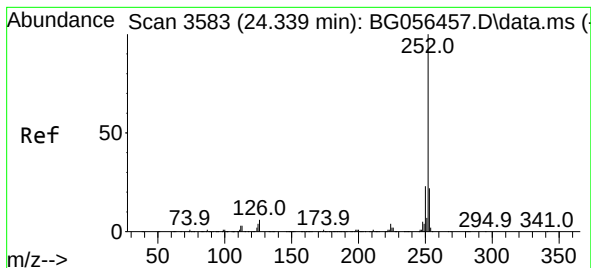
Ion Ratio Lower Upper

252 100

253 21.2 18.1 27.1

125 4.7 3.9 5.9





#89

Benzo(k)fluoranthene

Concen: 9.982 ng

RT: 24.316 min Scan# 3

Delta R.T. -0.005 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

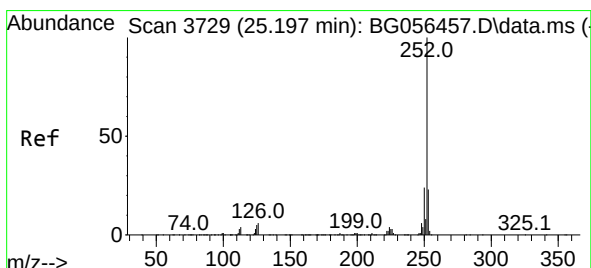
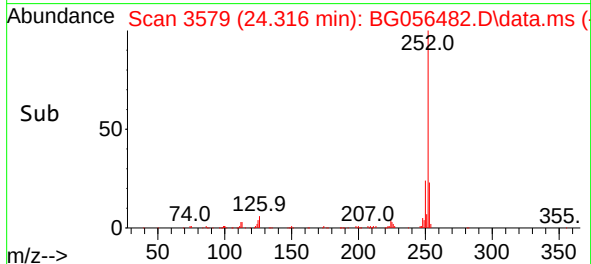
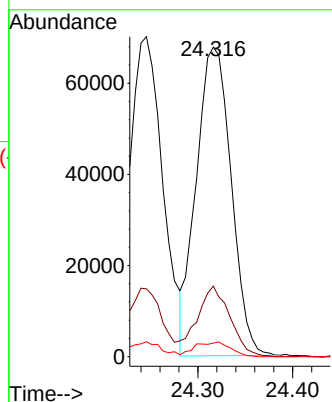
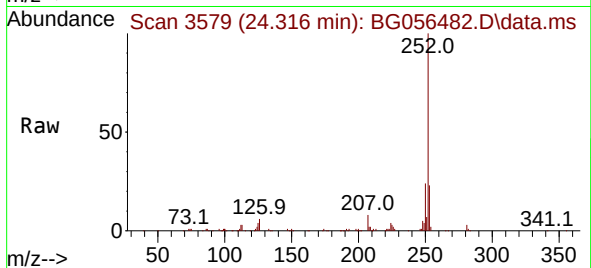
Tgt Ion:252 Resp: 173334

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 4.4 3.4 5.0



#90

Benzo(a)pyrene

Concen: 9.134 ng

RT: 25.174 min Scan# 3725

Delta R.T. -0.011 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

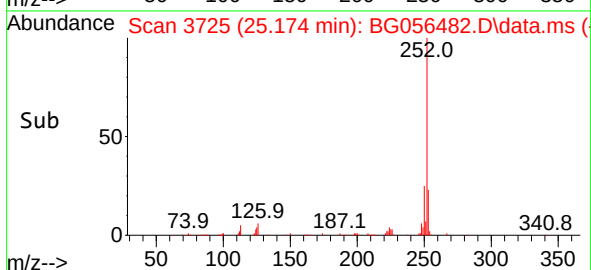
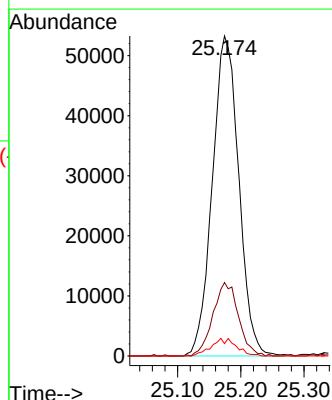
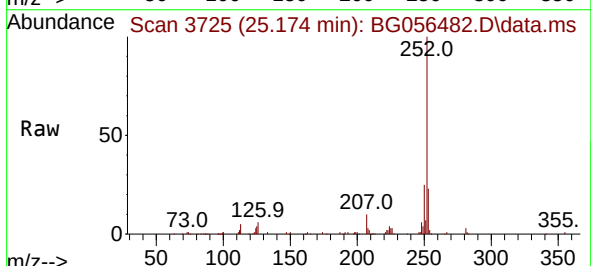
Tgt Ion:252 Resp: 154744

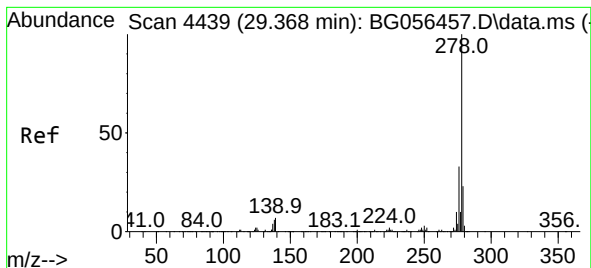
Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

125 3.8 4.1 6.1#





#91

Dibenzo(a,h)anthracene

Concen: 9.875 ng

RT: 29.322 min Scan# 4431

Delta R.T. -0.023 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

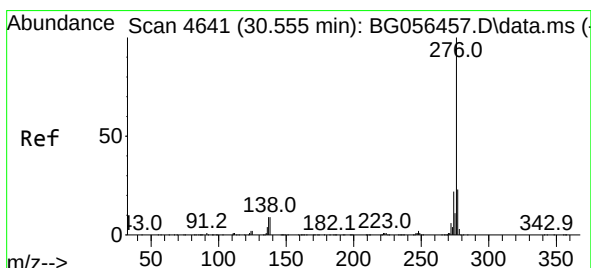
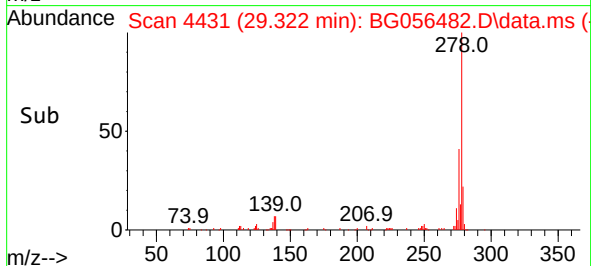
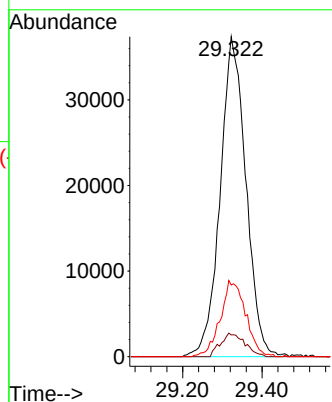
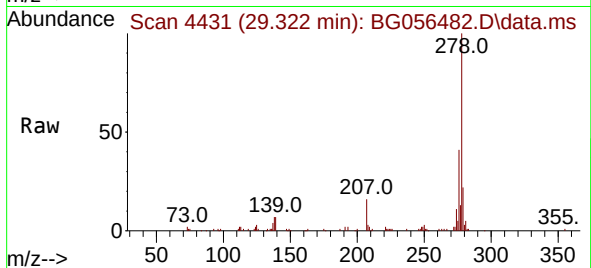
Tgt Ion:278 Resp: 168132

Ion Ratio Lower Upper

278 100

139 6.8 5.5 8.3

279 22.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 9.961 ng

RT: 30.515 min Scan# 4634

Delta R.T. -0.011 min

Lab File: BG056482.D

Acq: 31 Jan 2023 12:08

Tgt Ion:276 Resp: 163630

Ion Ratio Lower Upper

276 100

277 23.2 18.5 27.7

138 7.7 7.4 11.0

