

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
 Data File : BG056475.D
 Acq On : 30 Jan 2023 18:37
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jan 31 03:04:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 00:39:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	27632	20.000	ng	# 0.00
21) Naphthalene-d8	11.108	136	108389	20.000	ng	0.00
39) Acenaphthene-d10	14.898	164	92980	20.000	ng	0.00
64) Phenanthrene-d10	17.636	188	252372	20.000	ng	0.00
76) Chrysene-d12	21.919	240	253333	20.000	ng	-0.01
86) Perylene-d12	25.338	264	276894	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	172464	114.817	ng	0.00
7) Phenol-d6	7.418	99	243170	109.261	ng	0.00
23) Nitrobenzene-d5	9.451	82	141345	74.051	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	145808	117.957	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	507357	75.652	ng	0.00
79) Terphenyl-d14	20.209	244	1060784	73.544	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.599	88	2595	4.149	ng	94
3) Pyridine	4.034	79	6536	3.506	ng	# 91
4) n-Nitrosodimethylamine	3.934	42	1413	3.564	ng	# 87
6) Aniline	7.594	93	10587	3.633	ng	# 92
8) 2-Chlorophenol	7.841	128	5774	3.499	ng	97
9) Benzaldehyde	7.406	77	5294	3.686	ng	90
10) Phenol	7.447	94	7924	3.503	ng	89
11) bis(2-Chloroethyl)ether	7.682	93	5988	3.851	ng	97
12) 1,3-Dichlorobenzene	8.164	146	7703	4.054	ng	94
13) 1,4-Dichlorobenzene	8.317	146	8073	4.196	ng	96
14) 1,2-Dichlorobenzene	8.640	146	7571	4.056	ng	98
15) Benzyl Alcohol	8.511	79	5165	3.382	ng	87
16) 2,2'-oxybis(1-Chloropr...	8.793	45	1230	3.734	ng	95
17) 2-Methylphenol	8.717	107	5252	3.052	ng	90
18) Hexachloroethane	9.375	117	2438	4.189	ng	93
19) n-Nitroso-di-n-propyla...	9.075	70	4924	3.839	ng	96
20) 3+4-Methylphenols	9.046	107	8302	3.442	ng	94
22) Acetophenone	9.104	105	11476	3.985	ng	# 92
24) Nitrobenzene	9.498	77	7048	3.828	ng	98
25) Isophorone	10.015	82	14505	3.684	ng	# 97
26) 2-Nitrophenol	10.221	139	3913	3.503	ng	94
27) 2,4-Dimethylphenol	10.256	122	6232	3.333	ng	97
28) bis(2-Chloroethoxy)met...	10.491	93	8153	3.748	ng	# 93
29) 2,4-Dichlorophenol	10.761	162	7118	3.382	ng	93
30) 1,2,4-Trichlorobenzene	10.973	180	9257	3.959	ng	93
31) Naphthalene	11.161	128	21628	3.781	ng	97
32) Benzoic acid	10.256	122	6232	5.958	ng	# 15
33) 4-Chloroaniline	11.267	127	9467	3.545	ng	95
34) Hexachlorobutadiene	11.437	225	6371	3.881	ng	95
35) Caprolactam	12.001	113	2514	3.542	ng	94
36) 4-Chloro-3-methylphenol	12.365	107	7458	3.670	ng	96
37) 2-Methylnaphthalene	12.965	142	16459	3.490	ng	99
38) 1-Methylnaphthalene	12.747	142	17055	3.872	ng	93
40) 1,2,4,5-Tetrachloroben...	13.106	216	13503	3.975	ng	97
41) Hexachlorocyclopentadiene	13.076	237	2031	7.410	ng	82
43) 2,4,6-Trichlorophenol	13.346	196	7443	3.400	ng	84

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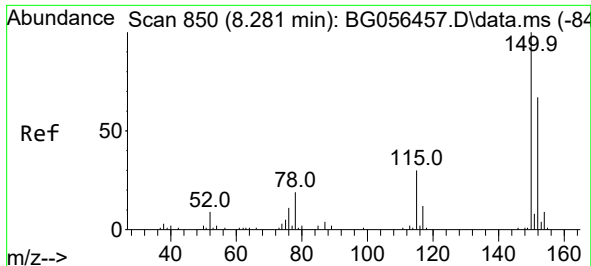
Quant Time: Jan 31 03:04:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 00:39:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.423	196	8512	3.321	ng	# 92
46) 1,1'-Biphenyl	13.734	154	26376	3.911	ng	97
47) 2-Chloronaphthalene	13.787	162	20903	3.965	ng	96
48) 2-Nitroaniline	13.975	65	3686	3.383	ng	# 80
49) Acenaphthylene	14.621	152	32383	3.776	ng	96
50) Dimethylphthalate	14.328	163	28899	3.842	ng	99
51) 2,6-Dinitrotoluene	14.463	165	6144	3.745	ng	98
52) Acenaphthene	14.962	154	19396	3.814	ng	95
53) 3-Nitroaniline	14.798	138	5837	3.670	ng	93
54) 2,4-Dinitrophenol	15.039	184	641	0.623	ng	# 86
55) Dibenzofuran	15.291	168	35467	3.888	ng	98
56) 4-Nitrophenol	15.115	139	2906	2.674	ng	# 86
57) 2,4-Dinitrotoluene	15.250	165	8898	3.851	ng	98
58) Fluorene	15.938	166	28783	3.966	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.520	232	6994	3.069	ng	# 97
60) Diethylphthalate	15.679	149	28083	3.976	ng	98
61) 4-Chlorophenyl-phenyle...	15.914	204	16651	3.760	ng	97
62) 4-Nitroaniline	15.955	138	6169	3.877	ng	89
63) Azobenzene	16.214	77	19299	3.971	ng	97
65) 4,6-Dinitro-2-methylph...	16.020	198	4369	2.462	ng	94
66) n-Nitrosodiphenylamine	16.131	169	26406	3.696	ng	97
67) 4-Bromophenyl-phenylether	16.813	248	11781	3.646	ng	# 93
68) Hexachlorobenzene	16.942	284	12473	3.942	ng	92
69) Atrazine	17.060	200	11455	4.155	ng	95
70) Pentachlorophenol	17.301	266	3050	1.593	ng	92
71) Phenanthrene	17.677	178	51281	3.882	ng	98
72) Anthracene	17.765	178	51702	3.813	ng	95
73) Carbazole	18.035	167	45239	3.917	ng	96
74) Di-n-butylphthalate	18.558	149	44134	3.640	ng	97
75) Fluoranthene	19.668	202	65819	3.948	ng	97
77) Benzidine	19.839	184	36582	5.336	ng	100
78) Pyrene	20.027	202	66177	3.673	ng	99
80) Butylbenzylphthalate	20.885	149	20071	3.648	ng	96
81) Benzo(a)anthracene	21.901	228	67492	3.811	ng	97
82) 3,3'-Dichlorobenzidine	21.801	252	28481	4.466	ng	92
83) Chrysene	21.972	228	62606	3.763	ng	96
84) Bis(2-ethylhexyl)phtha...	21.760	149	28048	3.555	ng	95
85) Di-n-octyl phthalate	23.029	149	47295	3.600	ng	99
87) Indeno(1,2,3-cd)pyrene	29.269	276	74038	3.653	ng	# 96
88) Benzo(b)fluoranthene	24.316	252	67544	3.930	ng	99
89) Benzo(k)fluoranthene	24.316	252	67544	3.893	ng	100
90) Benzo(a)pyrene	25.180	252	61135	3.611	ng	# 98
91) Dibenzo(a,h)anthracene	29.328	278	65399	3.844	ng	94
92) Benzo(g,h,i)perylene	30.503	276	62535	3.809	ng	94

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

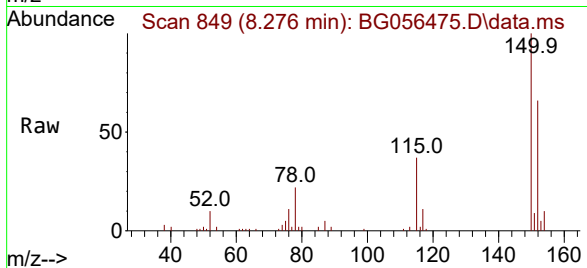
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

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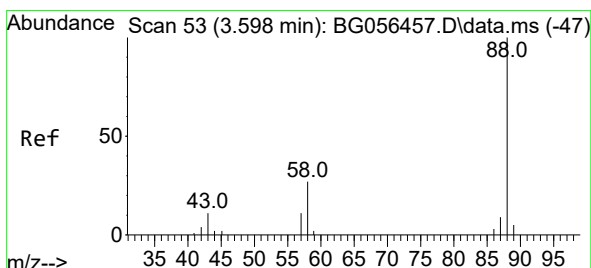
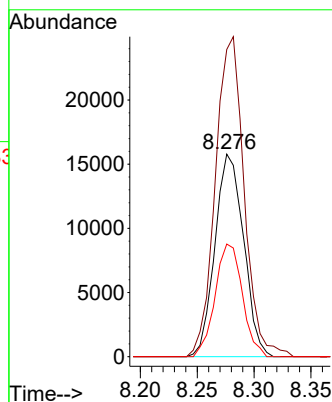
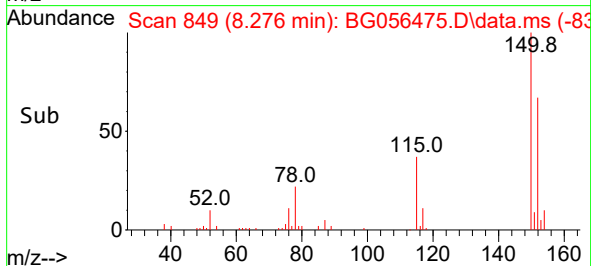


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

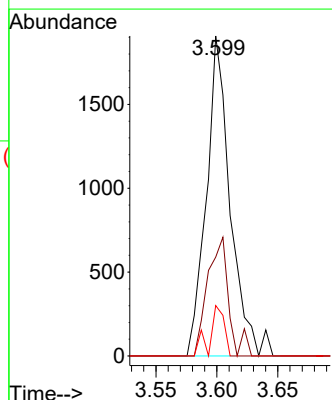
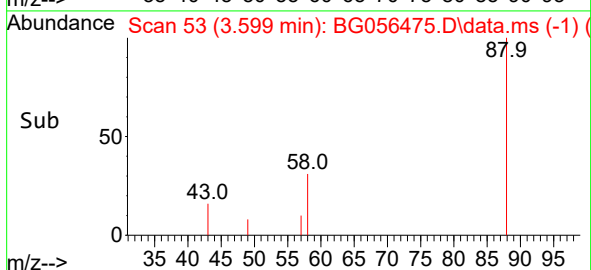
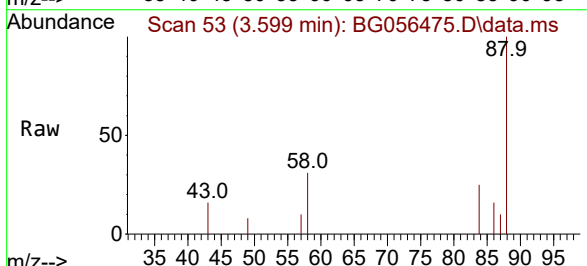


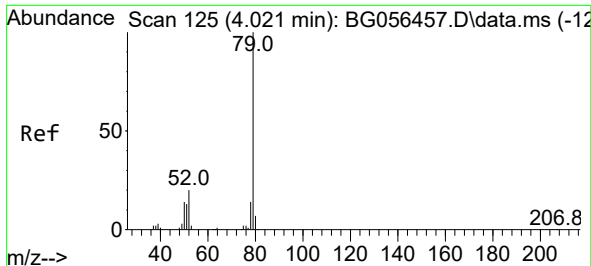
Tgt Ion:152 Resp: 27632
Ion Ratio Lower Upper
152 100
150 151.6 120.2 180.4
115 55.6 36.3 54.5#



#2
1,4-Dioxane
Concen: 4.149 ng
RT: 3.599 min Scan# 53
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion: 88 Resp: 2595
Ion Ratio Lower Upper
88 100
58 32.7 23.0 34.4
43 9.5 8.0 12.0

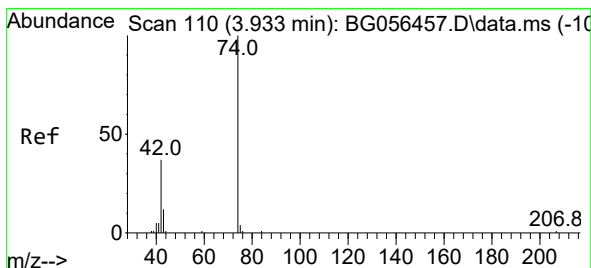
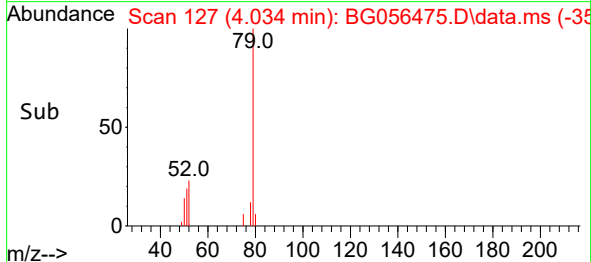
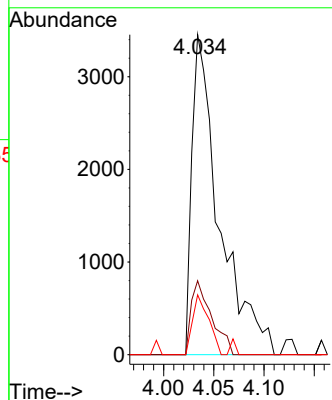
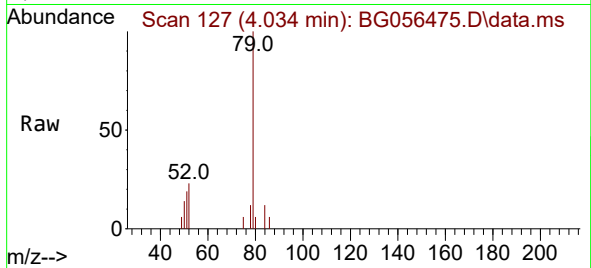




#3
 Pyridine
 Concen: 3.506 ng
 RT: 4.034 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

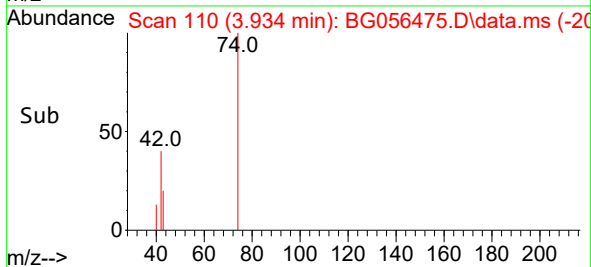
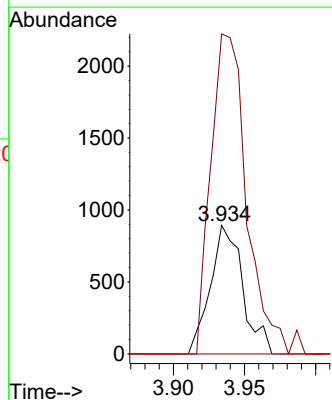
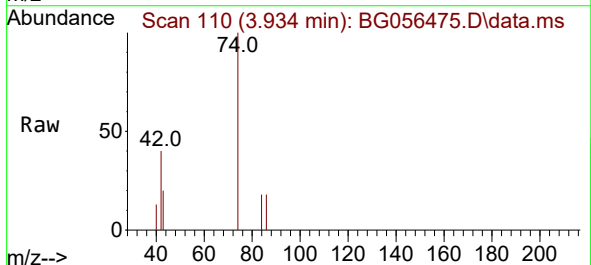
Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

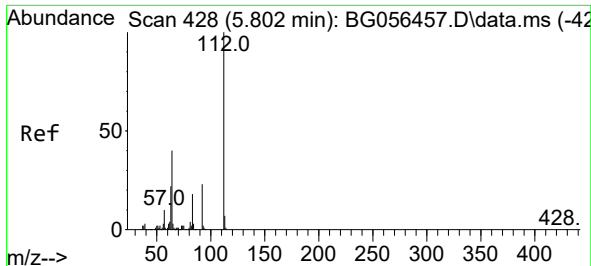
Tgt Ion: 79 Resp: 6536
 Ion Ratio Lower Upper
 79 100
 52 23.1 16.1 24.1
 51 18.7 10.7 16.1#



#4
 n-Nitrosodimethylamine
 Concen: 3.564 ng
 RT: 3.934 min Scan# 110
 Delta R.T. 0.001 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

Tgt Ion: 42 Resp: 1413
 Ion Ratio Lower Upper
 42 100
 74 248.9 217.9 326.9
 44 0.0 3.0 4.6#

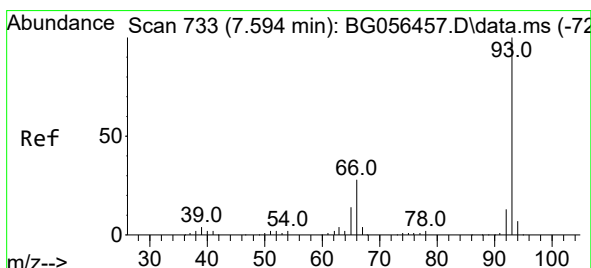
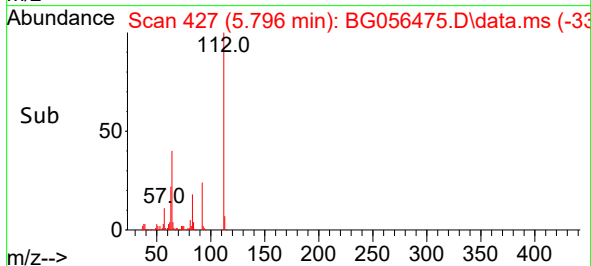
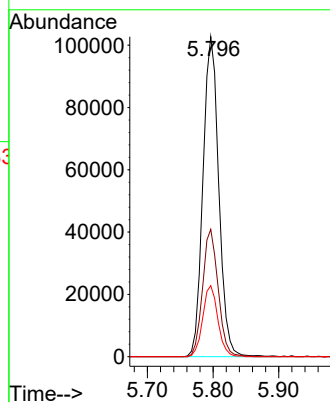
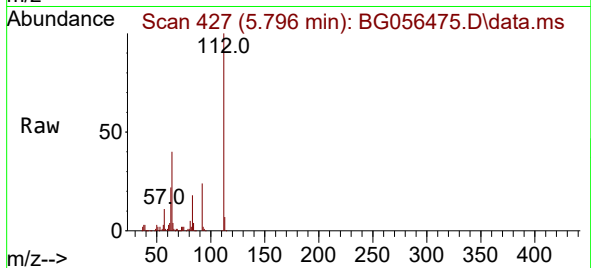




#5
2-Fluorophenol
Concen: 114.817 ng
RT: 5.796 min Scan# 428
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

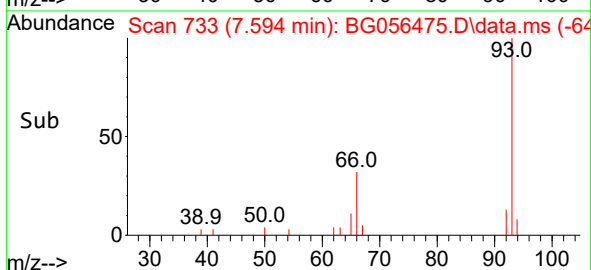
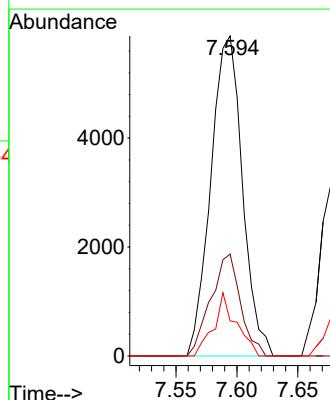
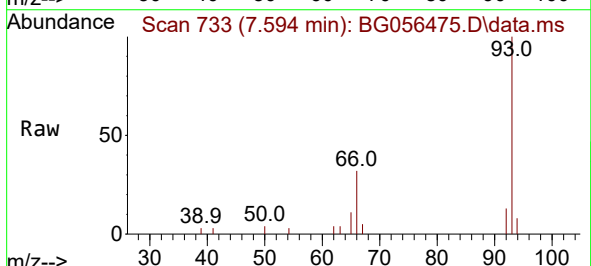
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BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

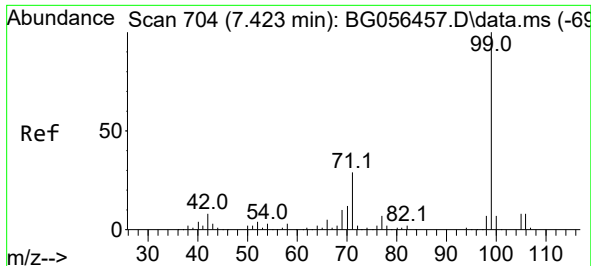
Tgt Ion:112 Resp: 172464
Ion Ratio Lower Upper
112 100
64 39.8 31.9 47.9
63 22.2 17.4 26.0



#6
Aniline
Concen: 3.633 ng
RT: 7.594 min Scan# 733
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion: 93 Resp: 10587
Ion Ratio Lower Upper
93 100
66 31.8 22.2 33.2
65 11.0 11.3 16.9#

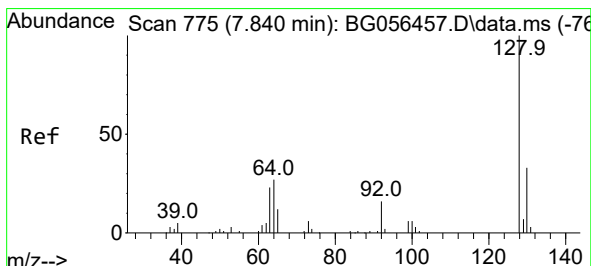
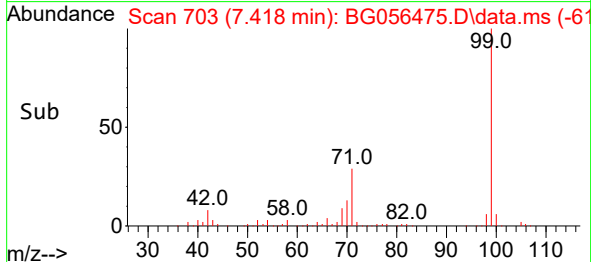
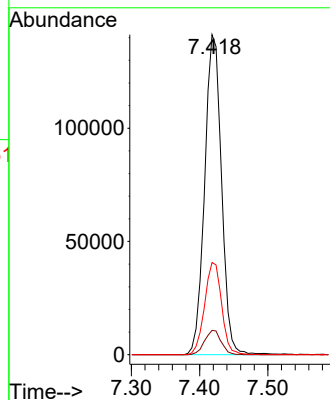
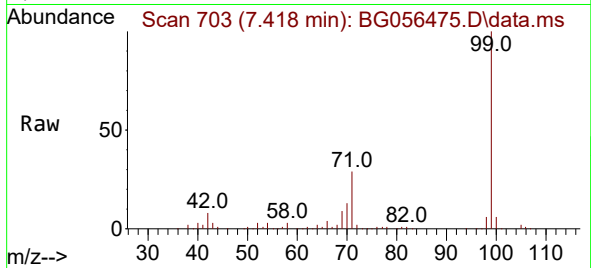




#7
Phenol-d6
Concen: 109.261 ng
RT: 7.418 min Scan# 703
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

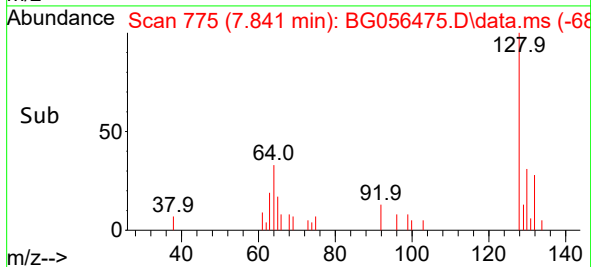
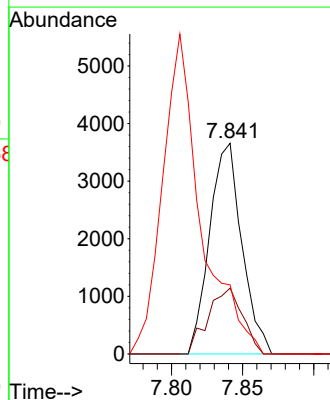
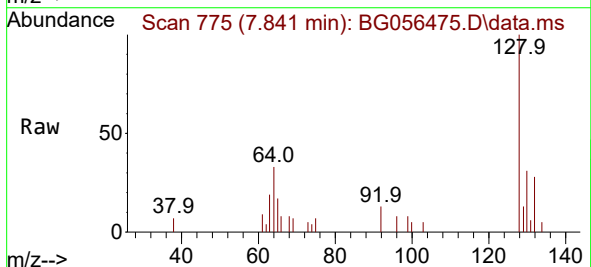
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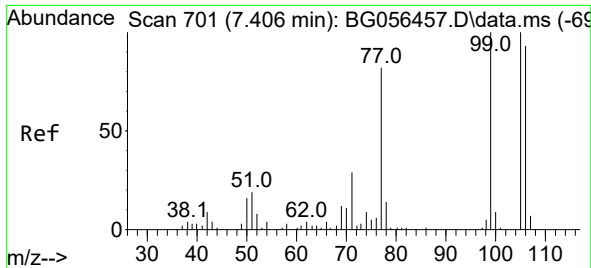
Tgt Ion: 99 Resp: 243170
Ion Ratio Lower Upper
99 100
42 7.6 6.6 10.0
71 28.8 23.4 35.0



#8
2-Chlorophenol
Concen: 3.499 ng
RT: 7.841 min Scan# 775
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion: 128 Resp: 5774
Ion Ratio Lower Upper
128 100
130 31.3 12.8 52.8
64 32.8 11.3 51.3

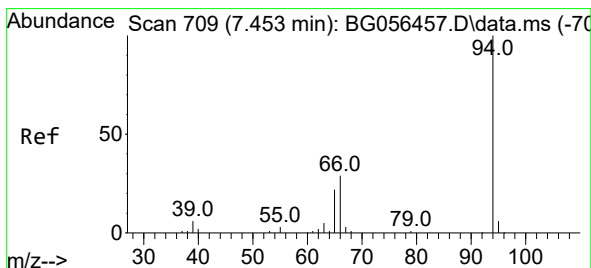
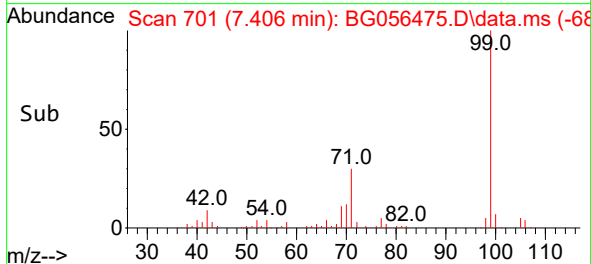
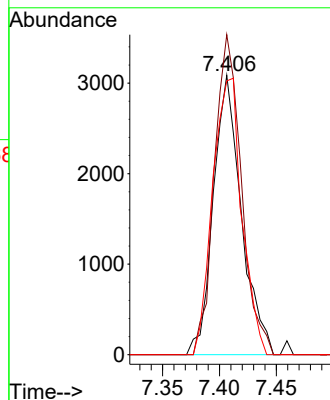
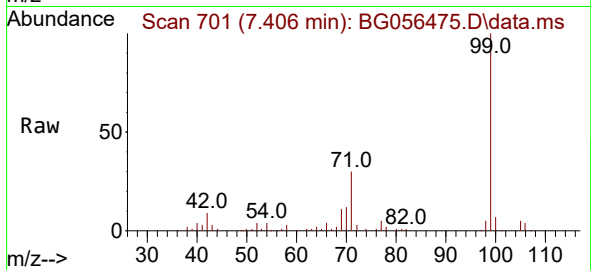




#9
Benzaldehyde
Concen: 3.686 ng
RT: 7.406 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

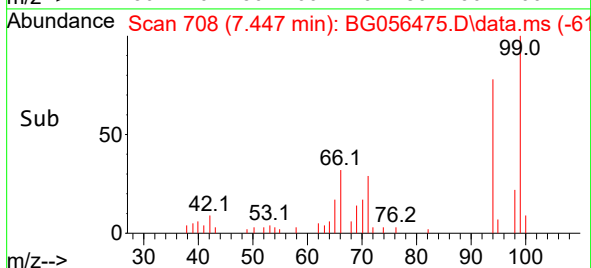
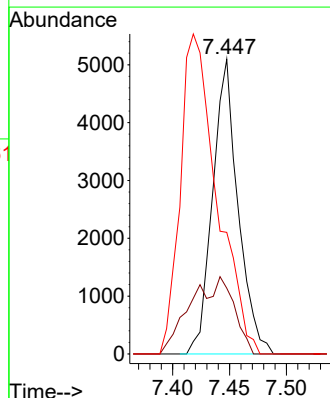
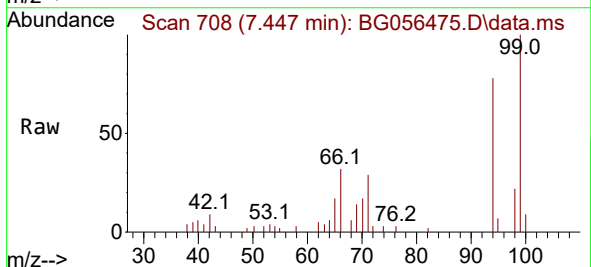
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

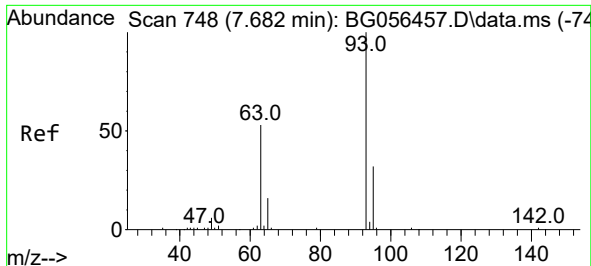
Tgt Ion:	77	Resp:	5294
Ion	Ratio	Lower	Upper
77	100		
105	114.5	101.8	141.8
106	98.0	93.0	133.0



#10
Phenol
Concen: 3.503 ng
RT: 7.447 min Scan# 708
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:	94	Resp:	7924
Ion	Ratio	Lower	Upper
94	100		
65	22.3	2.3	42.3
66	41.3	11.2	51.2

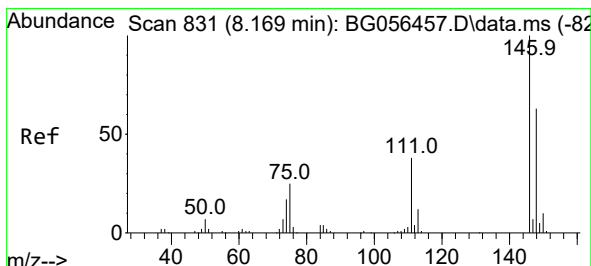
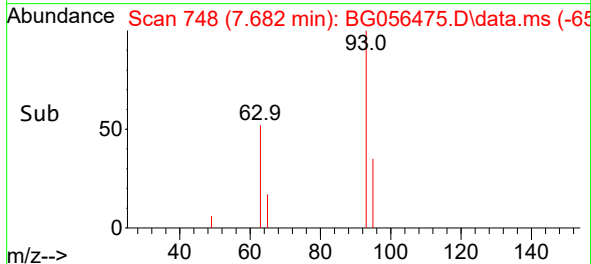
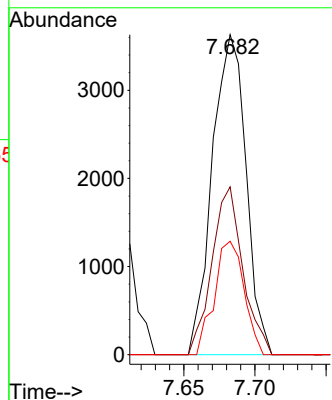
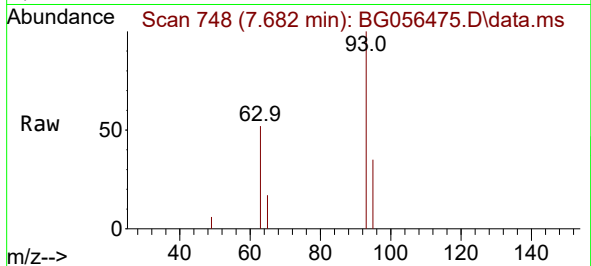




#11
bis(2-Chloroethyl)ether
Concen: 3.851 ng
RT: 7.682 min Scan# 748
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

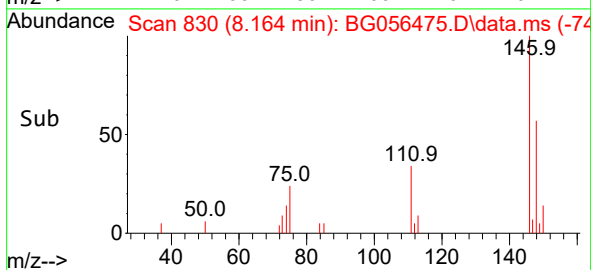
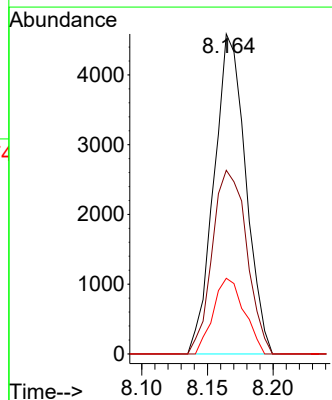
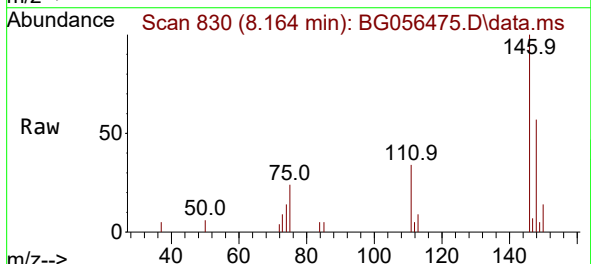
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

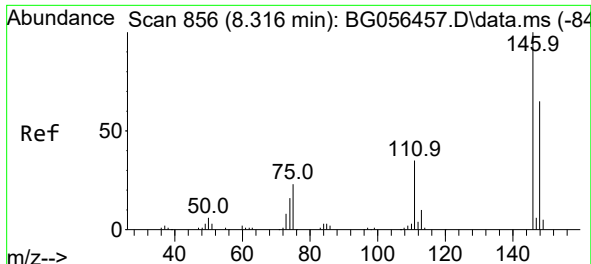
Tgt Ion:	93	Resp:	5988
Ion	Ratio	Lower	Upper
93	100		
63	52.5	32.4	72.4
95	35.5	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 4.054 ng
RT: 8.164 min Scan# 830
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:	146	Resp:	7703
Ion	Ratio	Lower	Upper
146	100		
148	57.4	50.6	75.8
75	23.7	19.6	29.4

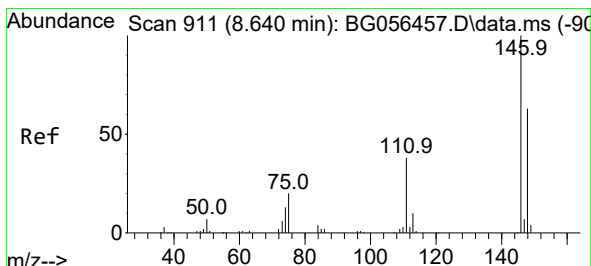
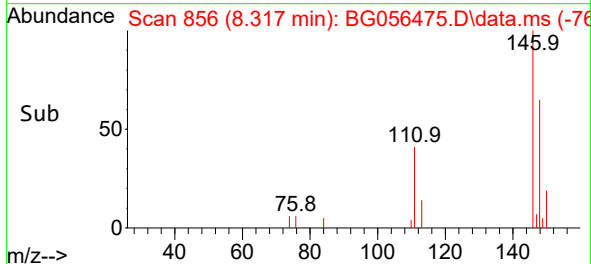
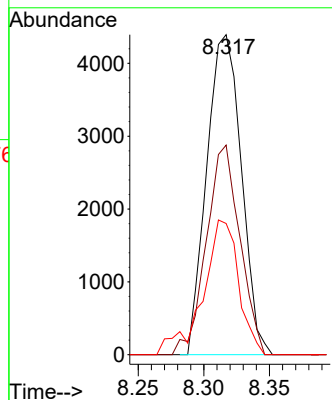
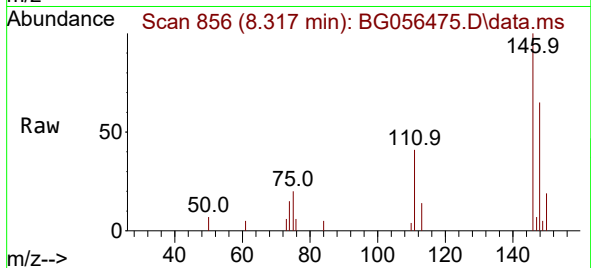




#13
1,4-Dichlorobenzene
Concen: 4.196 ng
RT: 8.317 min Scan# 856
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

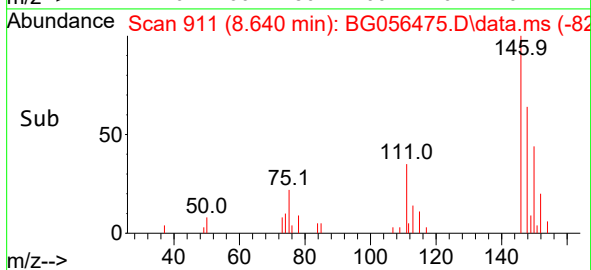
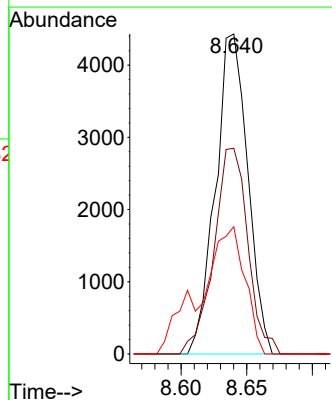
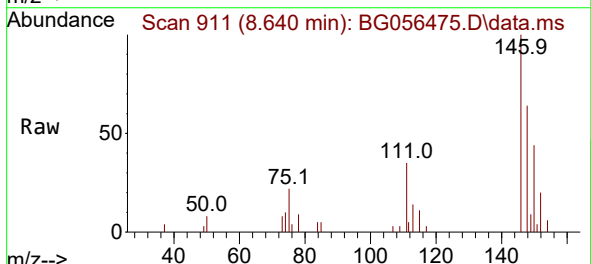
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

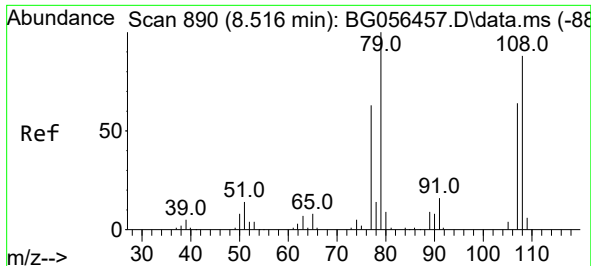
Tgt Ion:146 Resp: 8073
Ion Ratio Lower Upper
146 100
148 65.5 51.8 77.6
111 41.0 28.6 42.8



#14
1,2-Dichlorobenzene
Concen: 4.056 ng
RT: 8.640 min Scan# 911
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:146 Resp: 7571
Ion Ratio Lower Upper
146 100
148 64.3 50.1 75.1
111 39.8 30.9 46.3

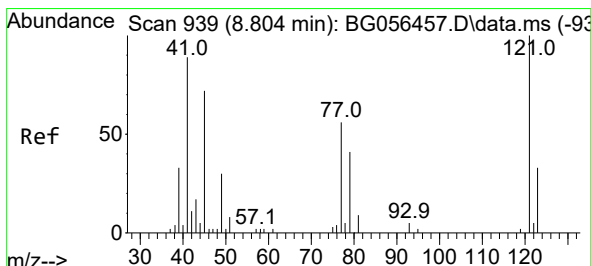
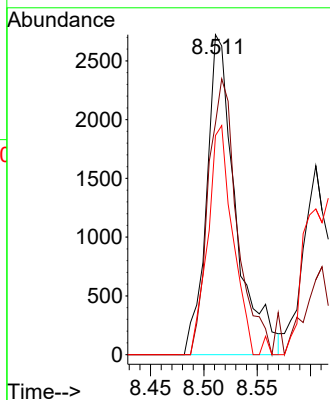
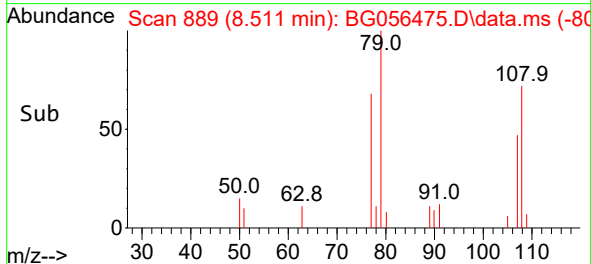
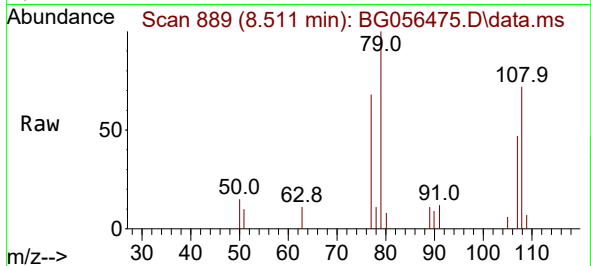




#15
Benzyl Alcohol
Concen: 3.382 ng
RT: 8.511 min Scan# 890
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

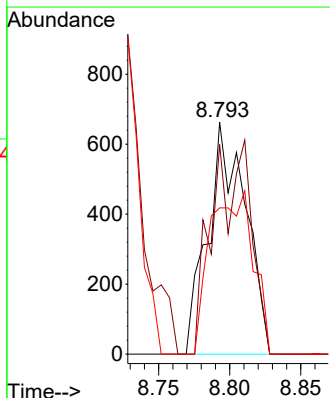
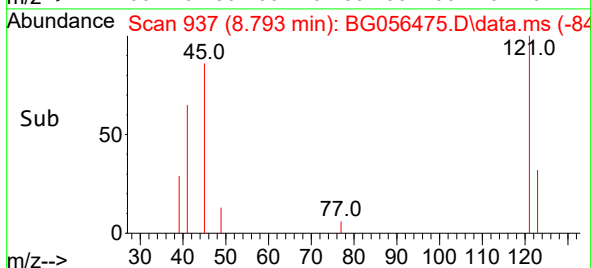
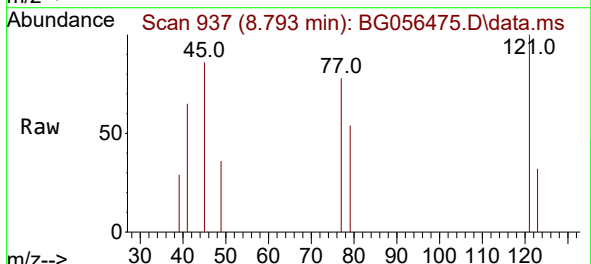
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

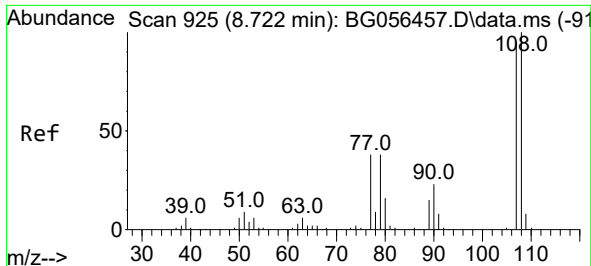
Tgt Ion: 79 Resp: 5165
Ion Ratio Lower Upper
79 100
108 72.3 70.1 105.1
77 68.5 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.734 ng
RT: 8.793 min Scan# 937
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

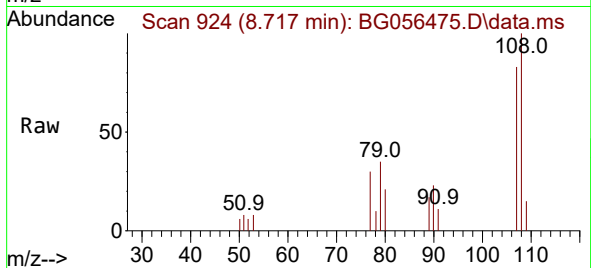
Tgt Ion: 45 Resp: 1230
Ion Ratio Lower Upper
45 100
77 90.3 62.1 102.1
79 63.0 42.7 82.7



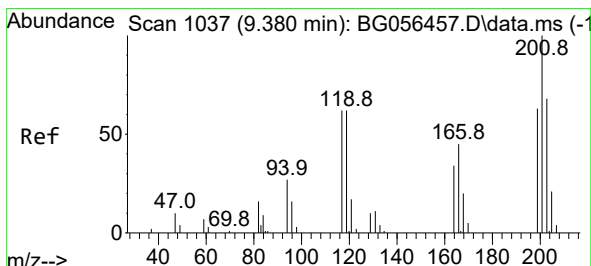
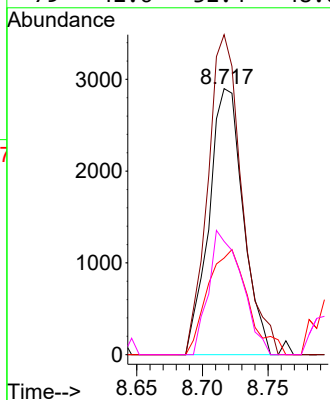
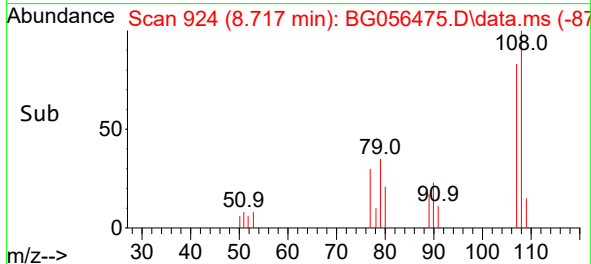


#17
2-Methylphenol
Concen: 3.052 ng
RT: 8.717 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

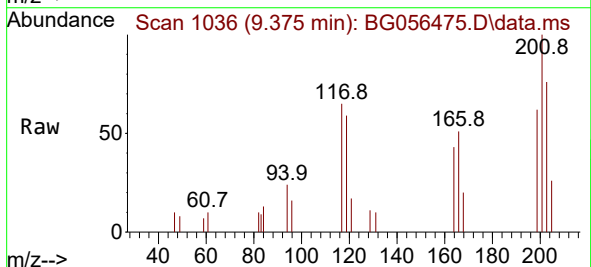
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



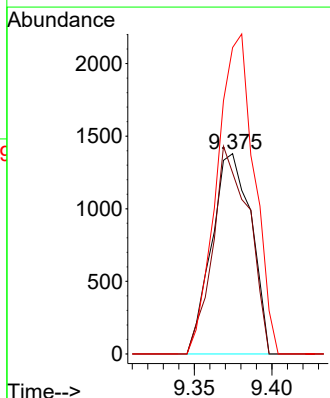
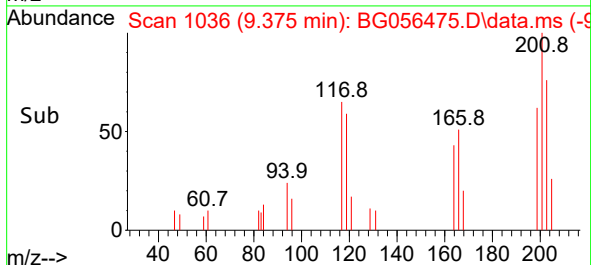
Tgt Ion:	107	Resp:	5252
Ion	Ratio	Lower	Upper
107	100		
108	120.3	83.9	125.9
77	36.3	31.6	47.4
79	42.6	32.4	48.6

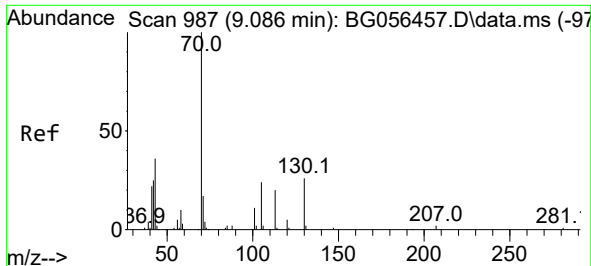


#18
Hexachloroethane
Concen: 4.189 ng
RT: 9.375 min Scan# 1036
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



Tgt Ion:	117	Resp:	2438
Ion	Ratio	Lower	Upper
117	100		
119	90.4	79.4	119.0
201	152.9	128.5	192.7

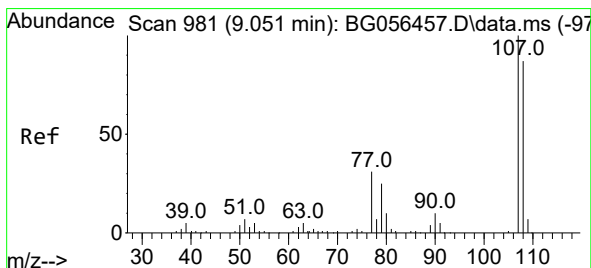
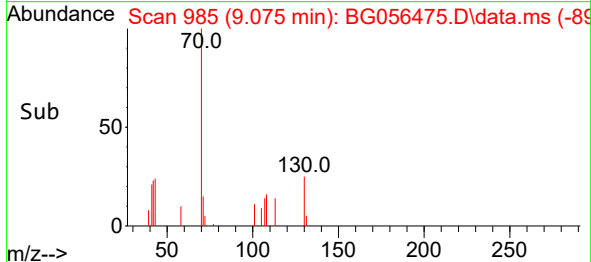
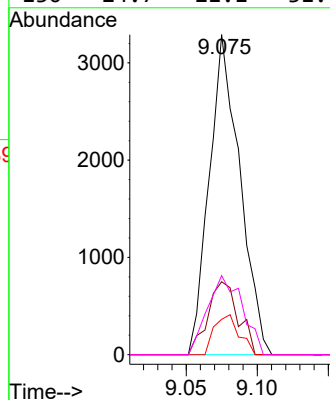
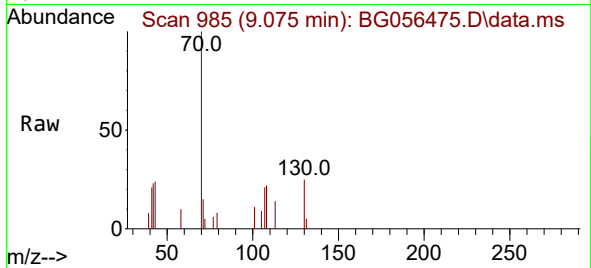




#19
n-Nitroso-di-n-propylamine
Concen: 3.839 ng
RT: 9.075 min Scan# 91
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

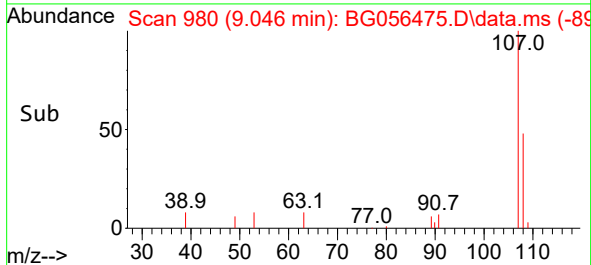
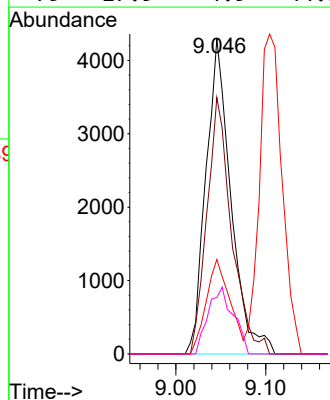
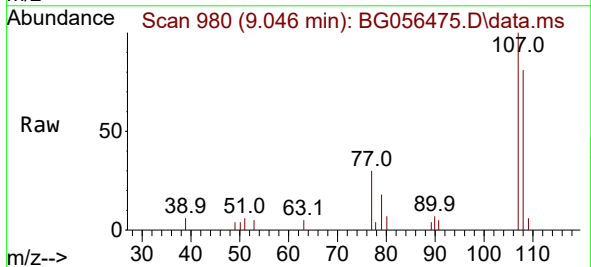
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

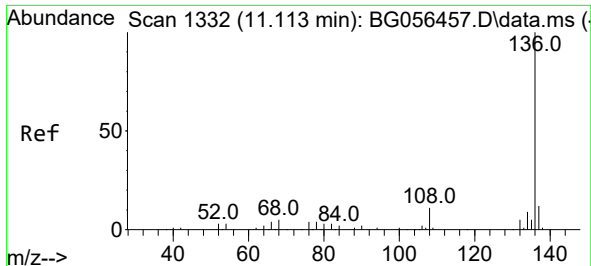
Tgt Ion:	70	Resp:	4924
Ion	Ratio	Lower	Upper
70	100		
42	22.8	20.2	30.4
101	11.0	9.1	13.7
130	24.7	21.1	31.7



#20
3+4-Methylphenols
Concen: 3.442 ng
RT: 9.046 min Scan# 980
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:	107	Resp:	8302
Ion	Ratio	Lower	Upper
107	100		
108	81.4	66.7	106.7
77	30.0	10.6	50.6
79	17.9	4.9	44.9

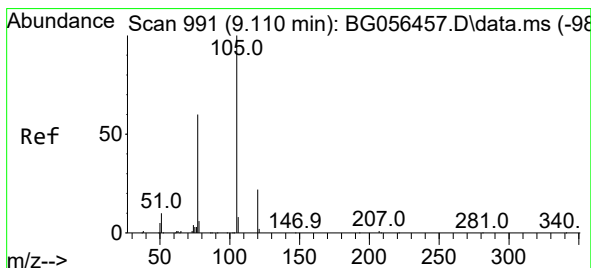
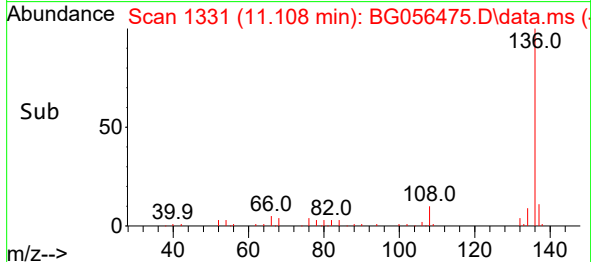
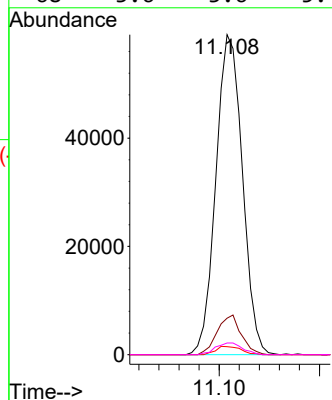
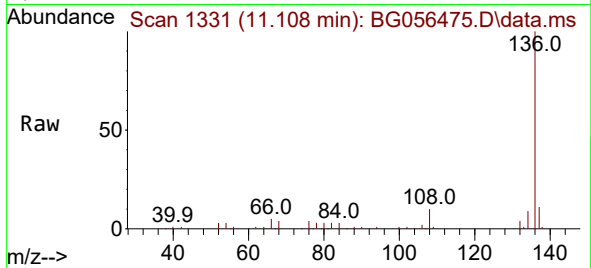




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

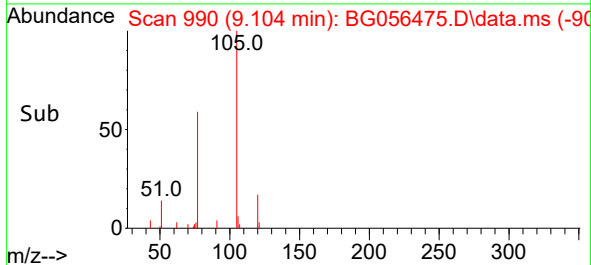
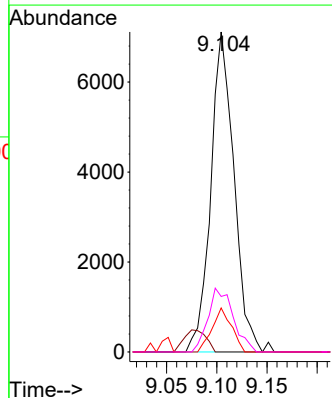
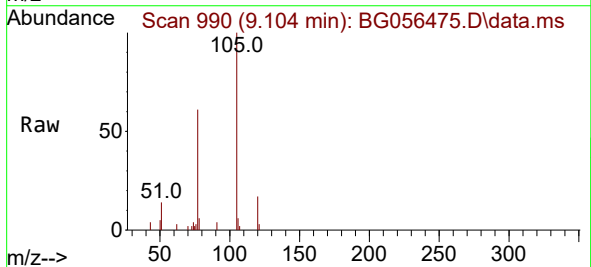
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

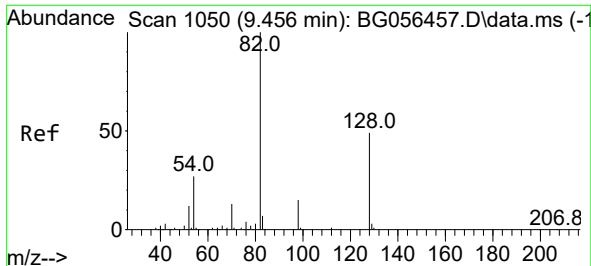
Tgt Ion	136	Resp: Lower	108389 Upper
136	100		
137	11.4	9.4	14.0
54	2.5	2.2	3.4
68	3.6	3.6	5.4



#22
Acetophenone
Concen: 3.985 ng
RT: 9.104 min Scan# 990
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt	Ion:105	Resp:	11476
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	0.8#
51	13.8	9.2	13.8
120	17.4	17.4	26.0

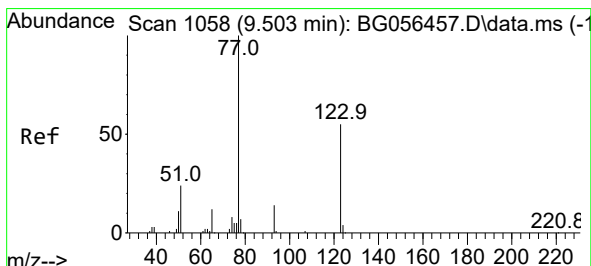
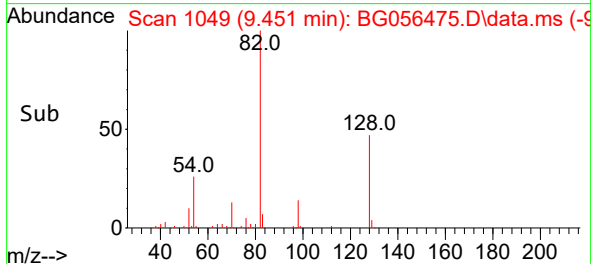
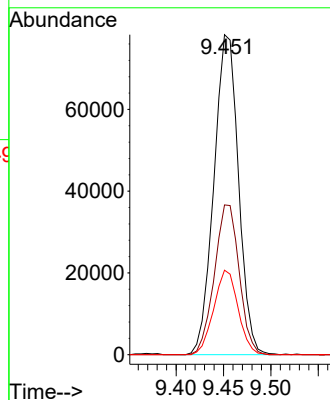
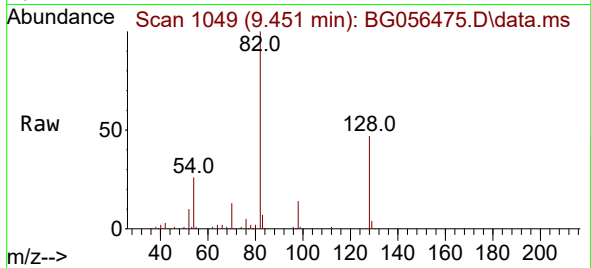




#23
Nitrobenzene-d5
Concen: 74.051 ng
RT: 9.451 min Scan# 1049
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

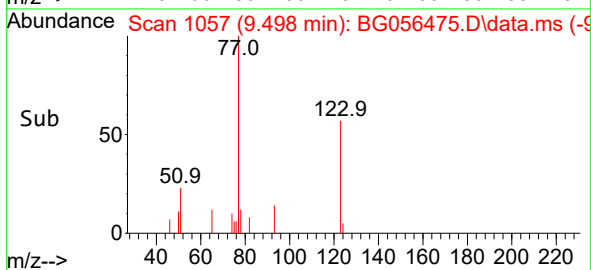
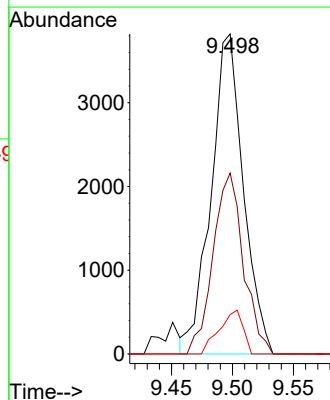
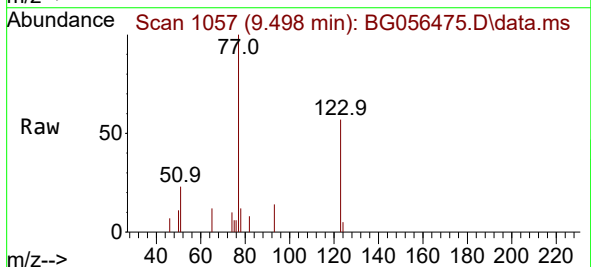
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

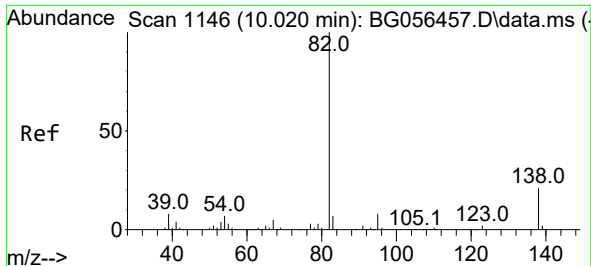
Tgt Ion: 82 Resp: 141345
Ion Ratio Lower Upper
82 100
128 46.8 39.4 59.2
54 26.4 21.4 32.2



#24
Nitrobenzene
Concen: 3.828 ng
RT: 9.498 min Scan# 1057
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion: 77 Resp: 7048
Ion Ratio Lower Upper
77 100
123 56.6 44.0 66.0
65 12.3 9.7 14.5

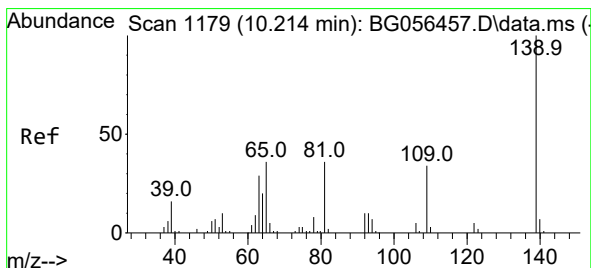
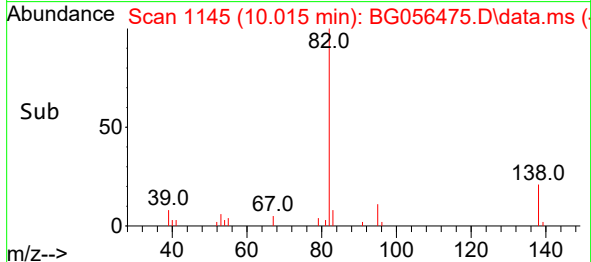
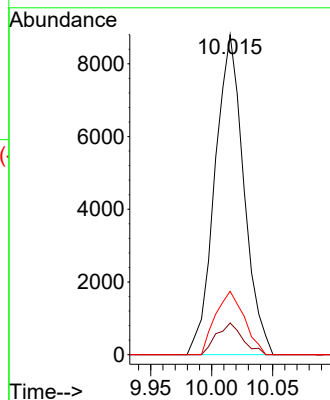
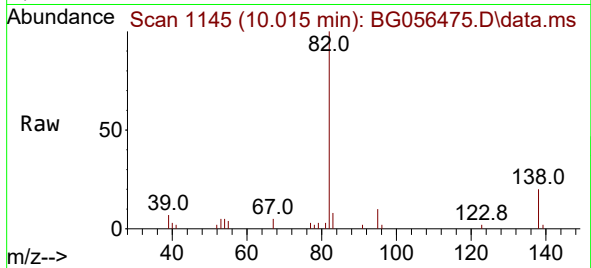




#25
Isophorone
Concen: 3.684 ng
RT: 10.015 min Scan# 1145
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

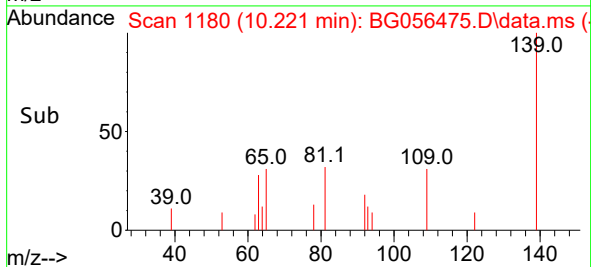
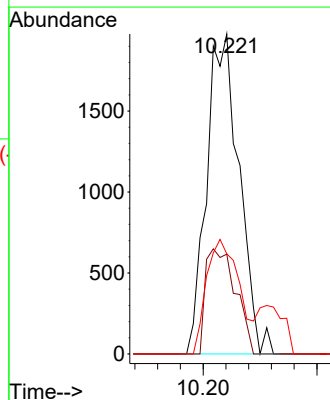
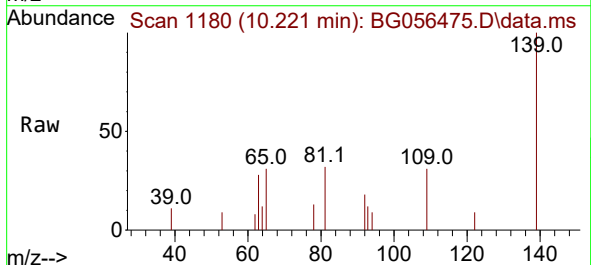
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

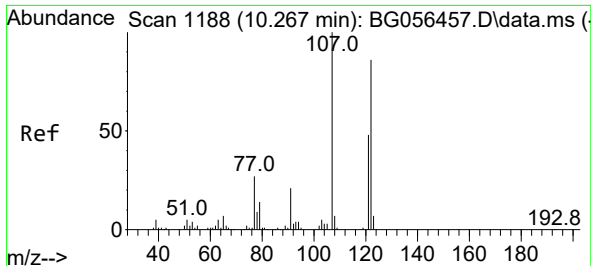
Tgt Ion: 82 Resp: 14505
Ion Ratio Lower Upper
82 100
95 9.9 6.3 9.5#
138 19.8 16.6 25.0



#26
2-Nitrophenol
Concen: 3.503 ng
RT: 10.221 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:139 Resp: 3913
Ion Ratio Lower Upper
139 100
109 31.2 26.9 40.3
65 31.3 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 3.333 ng

RT: 10.256 min Scan# 1186

Delta R.T. -0.011 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

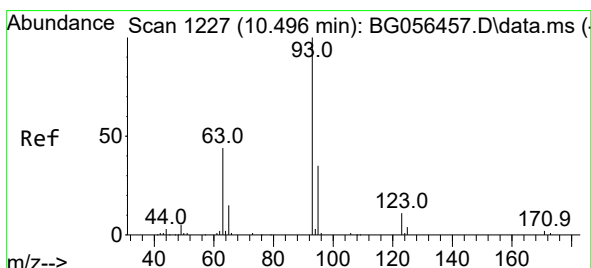
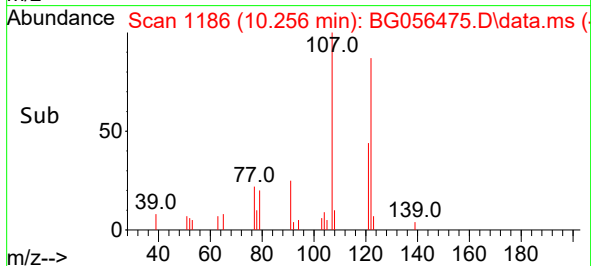
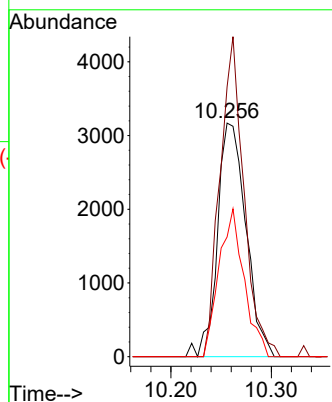
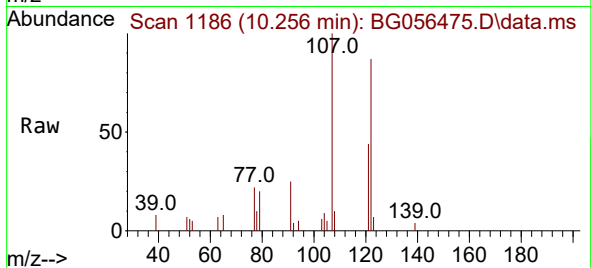
Tgt Ion:122 Resp: 6232

Ion Ratio Lower Upper

122 100

107 115.5 92.9 139.3

121 51.2 45.0 67.4



#28

bis(2-Chloroethoxy)methane

Concen: 3.748 ng

RT: 10.491 min Scan# 1226

Delta R.T. -0.005 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

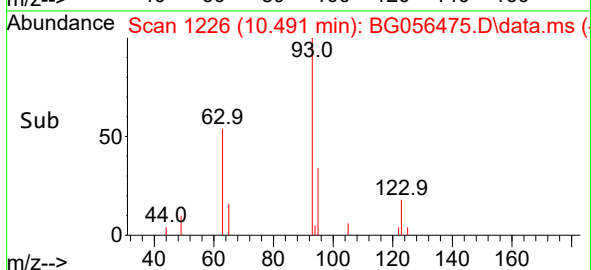
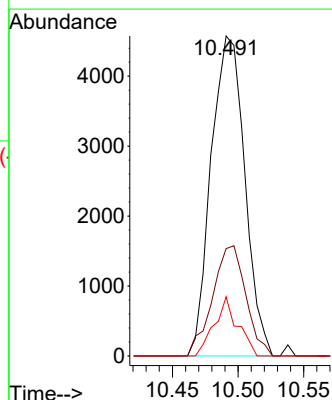
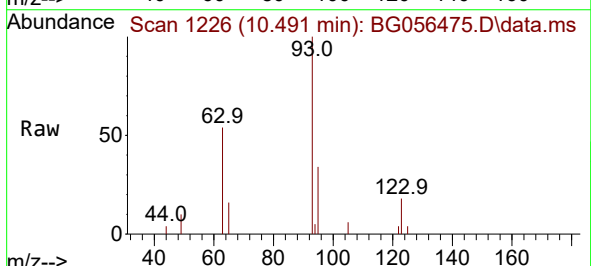
Tgt Ion: 93 Resp: 8153

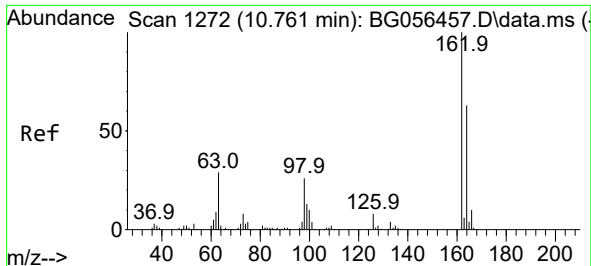
Ion Ratio Lower Upper

93 100

95 33.6 27.9 41.9

123 18.5 8.6 12.8#





#29

2,4-Dichlorophenol

Concen: 3.382 ng

RT: 10.761 min Scan# 11

Delta R.T. 0.001 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

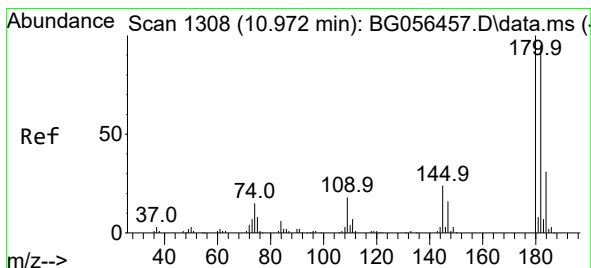
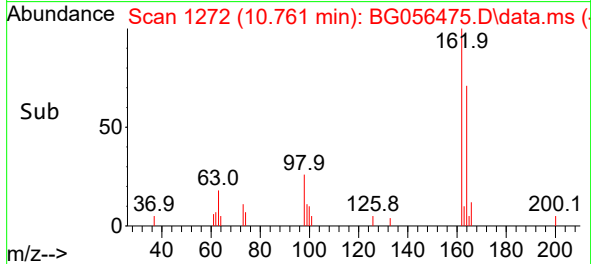
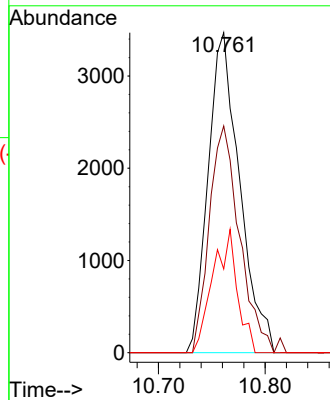
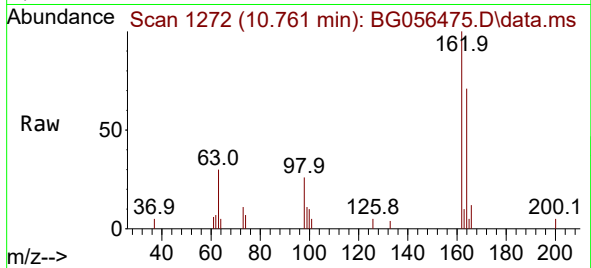
Tgt Ion:162 Resp: 7118

Ion Ratio Lower Upper

162 100

164 70.8 42.8 82.8

98 26.2 6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 3.959 ng

RT: 10.973 min Scan# 1308

Delta R.T. 0.001 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

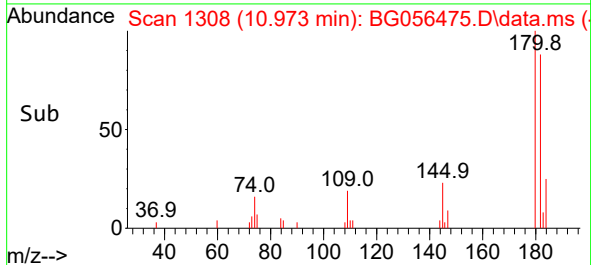
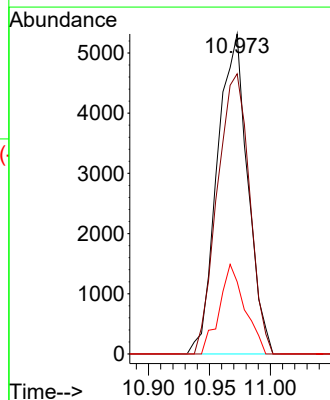
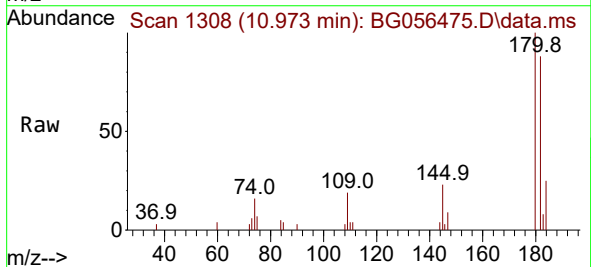
Tgt Ion:180 Resp: 9257

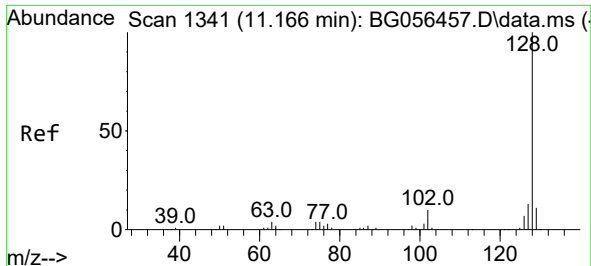
Ion Ratio Lower Upper

180 100

182 87.6 75.9 113.9

145 25.8 19.4 29.0

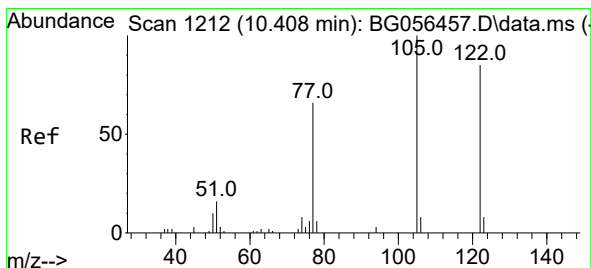
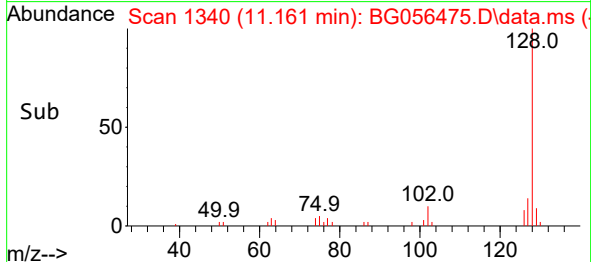
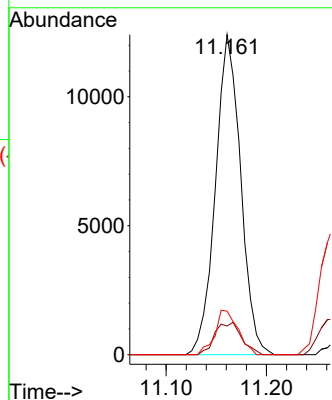
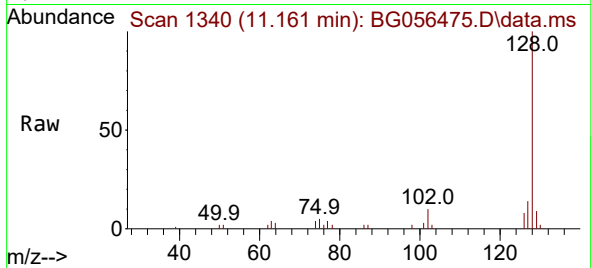




#31
Naphthalene
Concen: 3.781 ng
RT: 11.161 min Scan# 1186
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

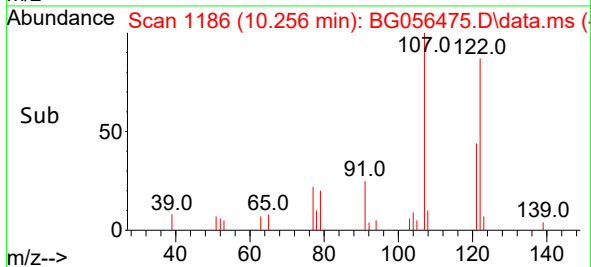
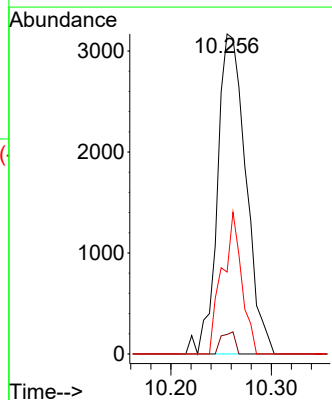
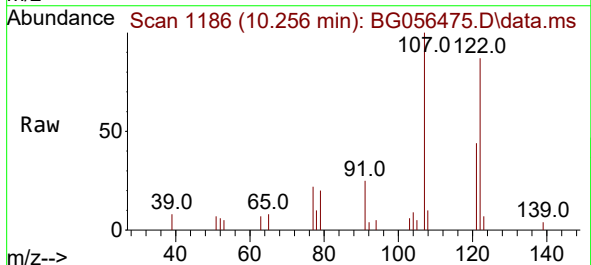
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

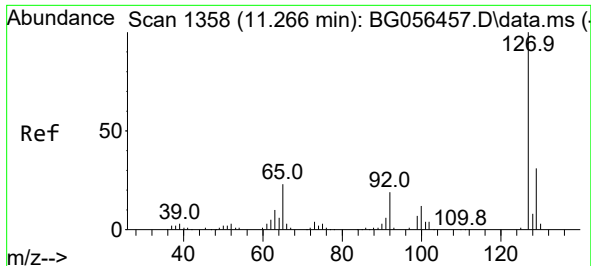
Tgt Ion:128 Resp: 21628
Ion Ratio Lower Upper
128 100
129 9.0 8.7 13.1
127 13.6 10.4 15.6



#32
Benzoic acid
Concen: 5.958 ng
RT: 10.256 min Scan# 1186
Delta R.T. -0.152 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

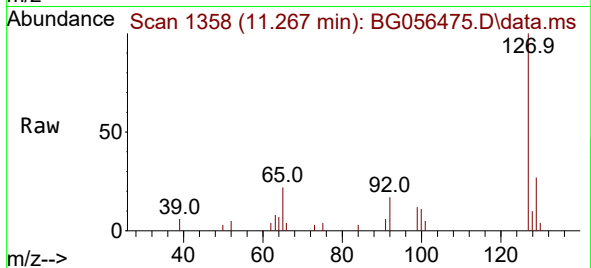
Tgt Ion:122 Resp: 6232
Ion Ratio Lower Upper
122 100
105 6.1 96.5 136.5#
77 25.6 57.3 97.3#



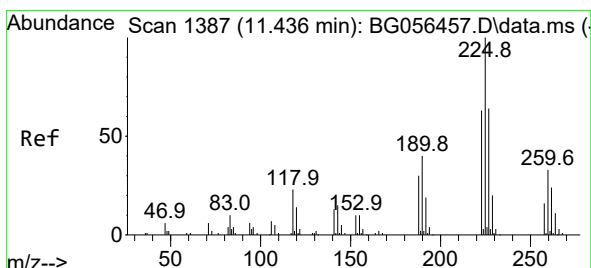
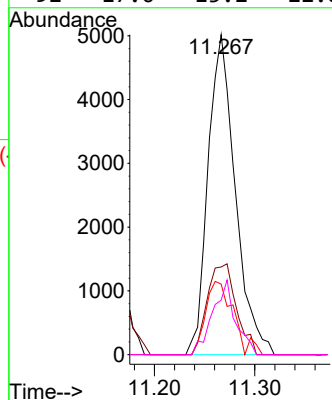


#33
4-Chloroaniline
Concen: 3.545 ng
RT: 11.267 min Scan# 1358
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

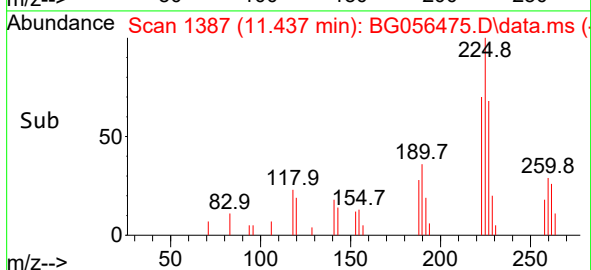
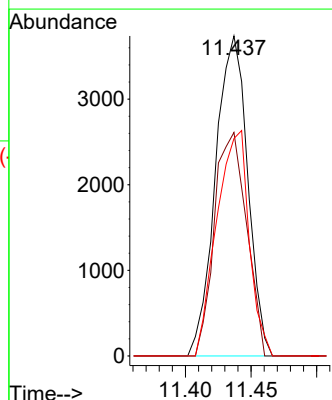
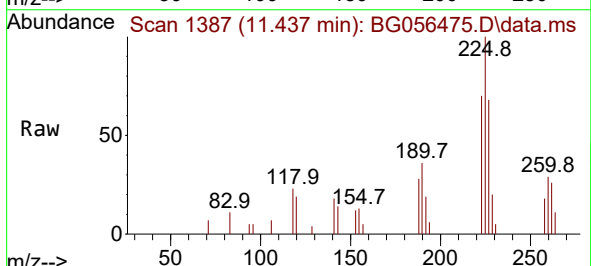


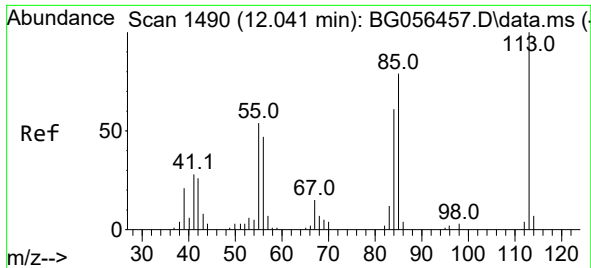
Tgt Ion:	127	Resp:	9467
Ion	Ratio	Lower	Upper
127	100		
129	27.4	25.0	37.6
65	22.0	18.5	27.7
92	17.0	15.2	22.8



#34
Hexachlorobutadiene
Concen: 3.881 ng
RT: 11.437 min Scan# 1387
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:	225	Resp:	6371
Ion	Ratio	Lower	Upper
225	100		
223	69.8	50.6	75.8
227	68.0	53.7	80.5

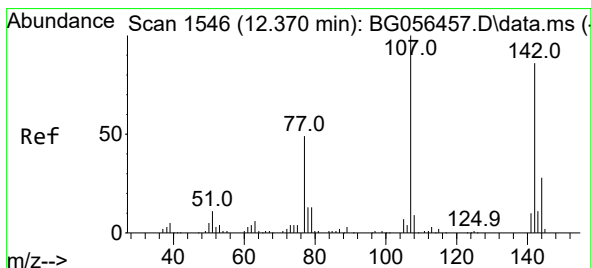
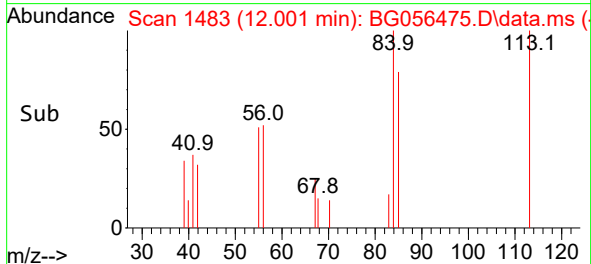
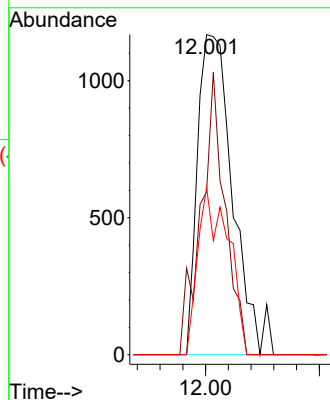
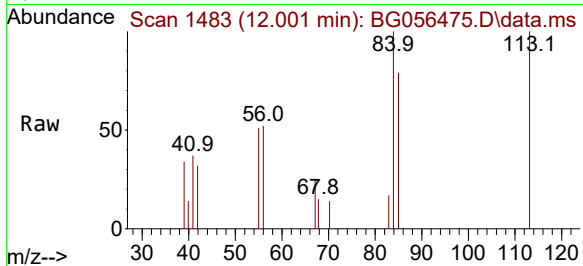




#35
Caprolactam
Concen: 3.542 ng
RT: 12.001 min Scan# 14
Delta R.T. -0.040 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

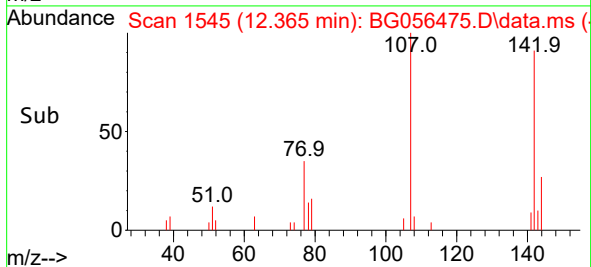
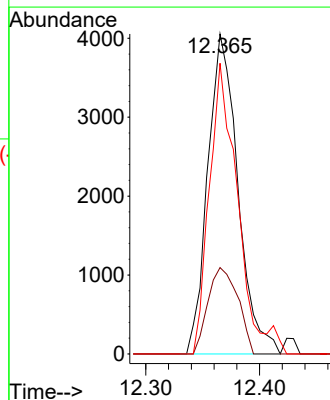
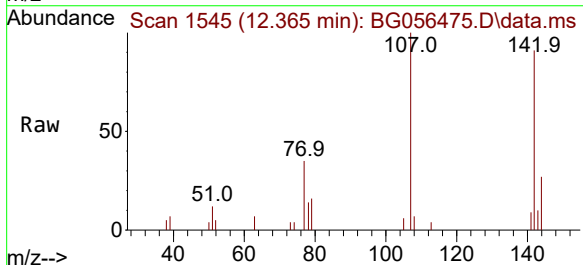
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

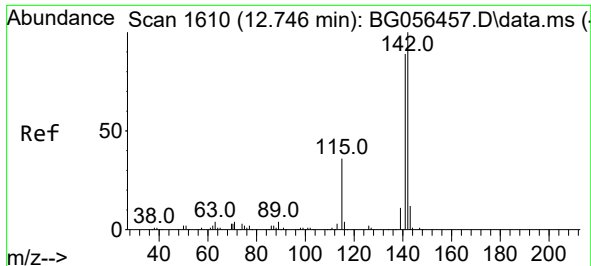
Tgt Ion:113 Resp: 2514
Ion Ratio Lower Upper
113 100
55 50.9 33.7 73.7
56 52.3 27.1 67.1



#36
4-Chloro-3-methylphenol
Concen: 3.670 ng
RT: 12.365 min Scan# 1545
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:107 Resp: 7458
Ion Ratio Lower Upper
107 100
144 27.0 22.3 33.5
142 90.9 68.9 103.3





#37

2-Methylnaphthalene

Concen: 3.490 ng

RT: 12.965 min Scan# 1

Delta R.T. 0.218 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

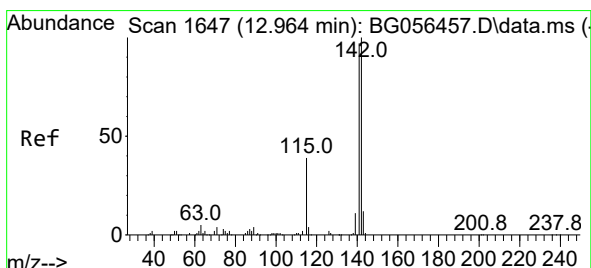
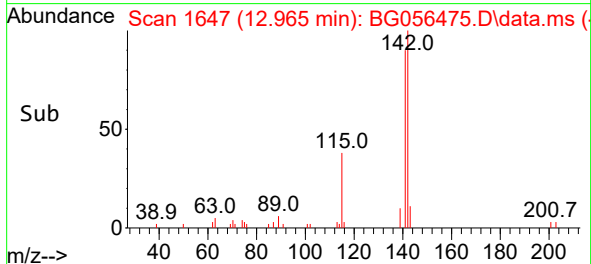
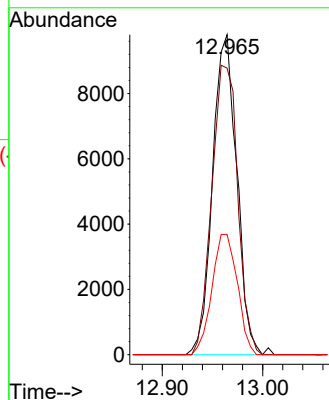
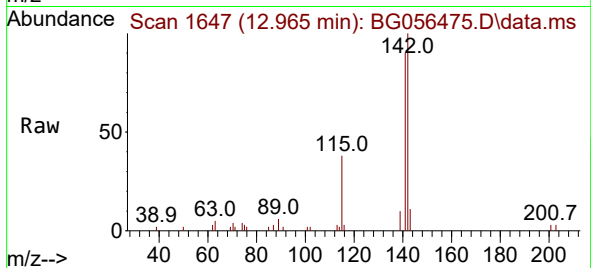
Tgt Ion:142 Resp: 16459

Ion Ratio Lower Upper

142 100

141 89.5 71.4 107.0

115 37.6 28.4 42.6



#38

1-Methylnaphthalene

Concen: 3.872 ng

RT: 12.747 min Scan# 1610

Delta R.T. -0.217 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

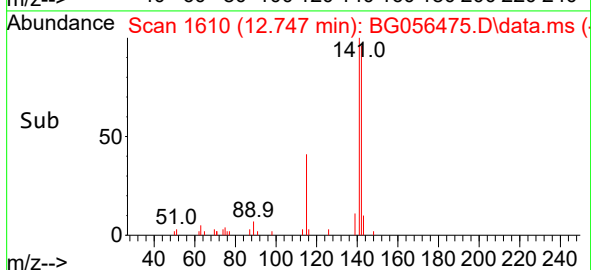
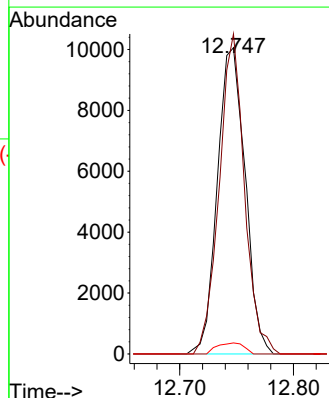
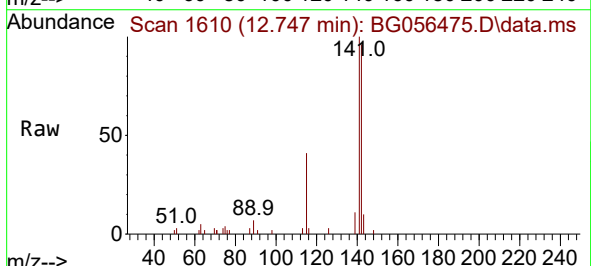
Tgt Ion:142 Resp: 17055

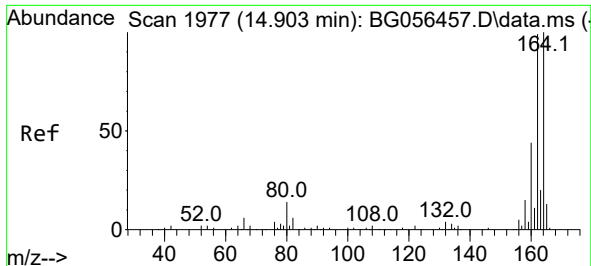
Ion Ratio Lower Upper

142 100

141 104.5 77.7 116.5

116 3.6 3.4 5.2

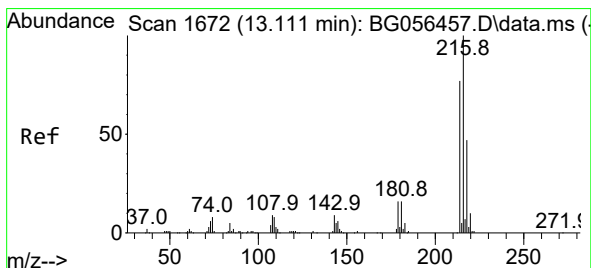
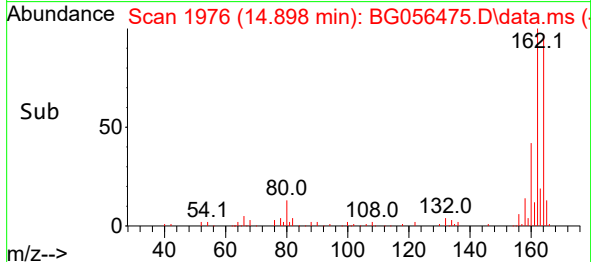
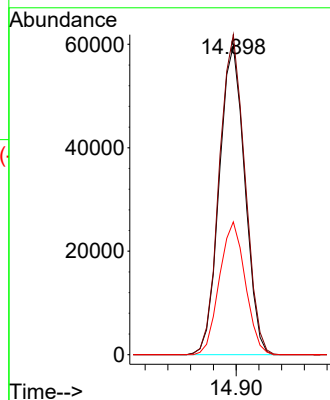
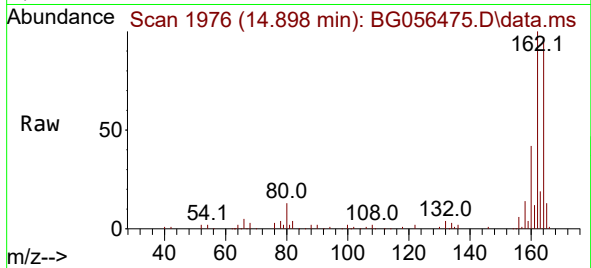




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.898 min Scan# 1976
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

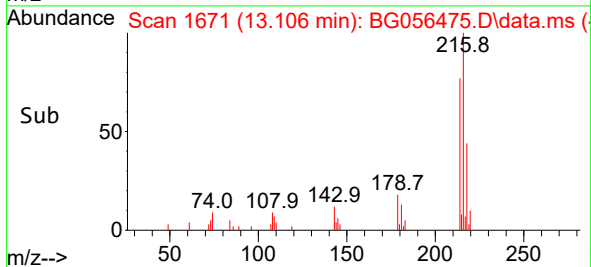
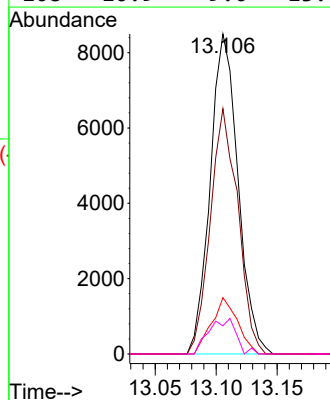
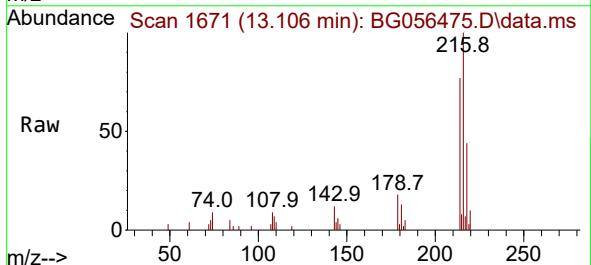
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

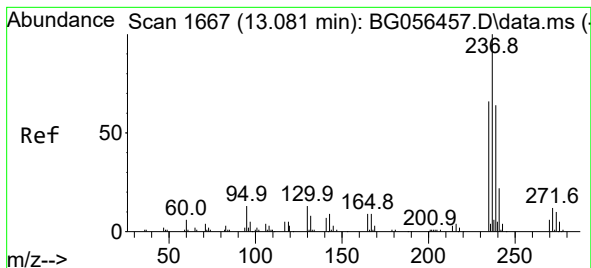
Tgt Ion:164 Resp: 92980
Ion Ratio Lower Upper
164 100
162 103.5 79.6 119.4
160 43.0 34.9 52.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.975 ng
RT: 13.106 min Scan# 1671
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:216 Resp: 13503
Ion Ratio Lower Upper
216 100
214 75.5 63.0 94.6
179 16.4 14.1 21.1
108 10.9 9.0 13.6

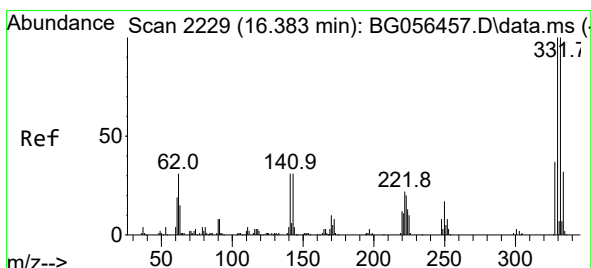
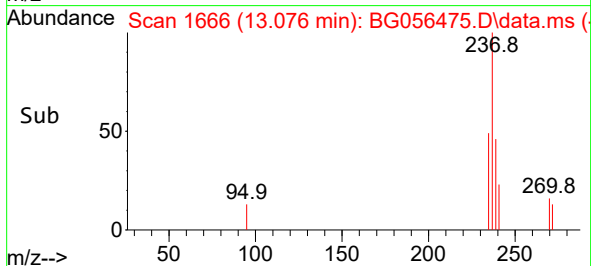
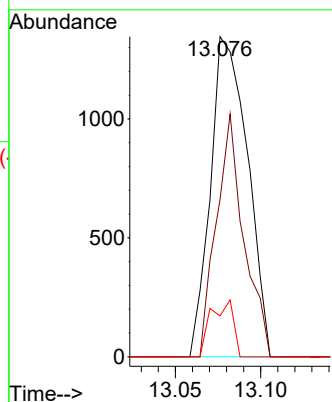
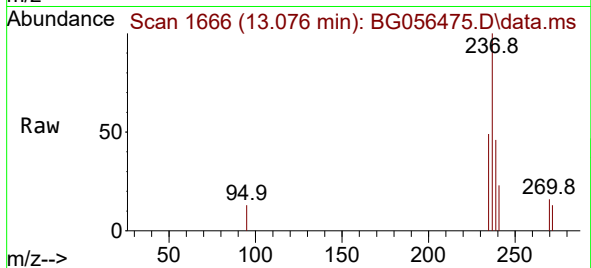




#41
Hexachlorocyclopentadiene
Concen: 7.410 ng
RT: 13.076 min Scan# 1666
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

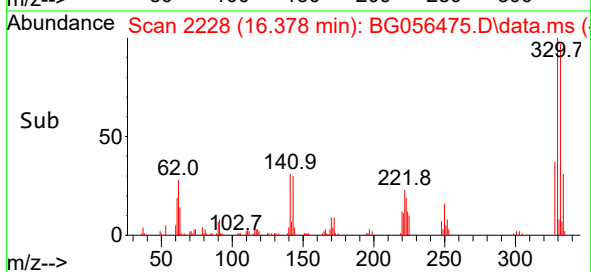
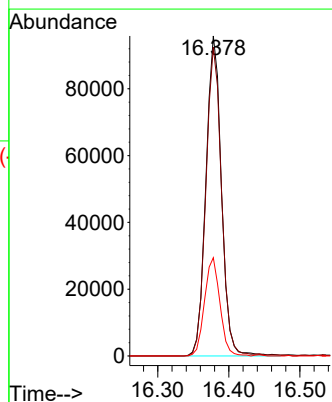
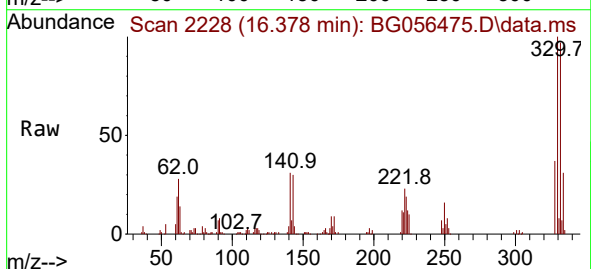
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

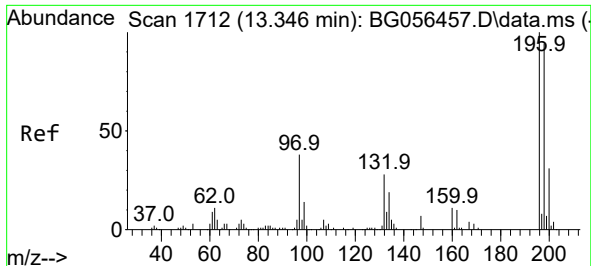
Tgt Ion:237	Resp:	2031
Ion Ratio	Lower	Upper
237	100	
235	49.1	45.6 85.6
272	12.8	0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 117.957 ng
RT: 16.378 min Scan# 2228
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:330	Resp:	145808
Ion Ratio	Lower	Upper
330	100	
332	97.4	79.0 118.6
141	30.4	24.2 36.4

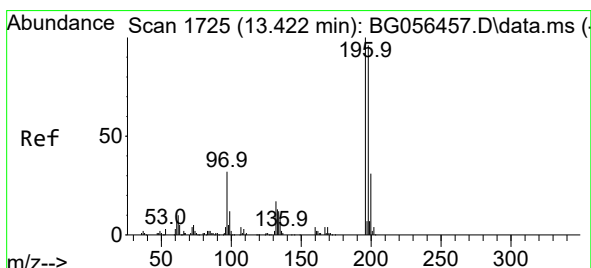
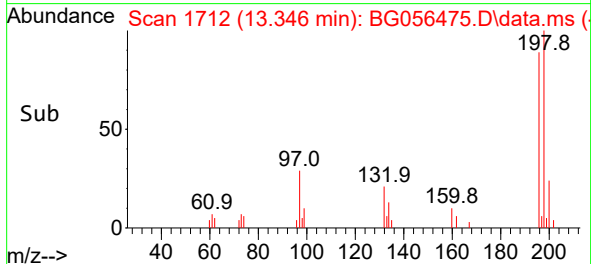
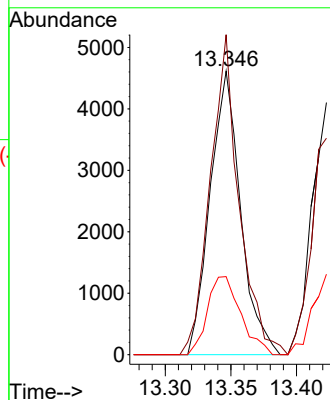
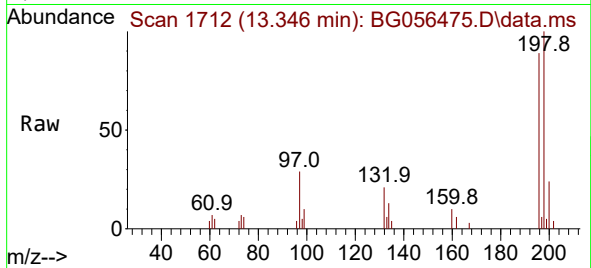




#43
2,4,6-Trichlorophenol
Concen: 3.400 ng
RT: 13.346 min Scan# 1712
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

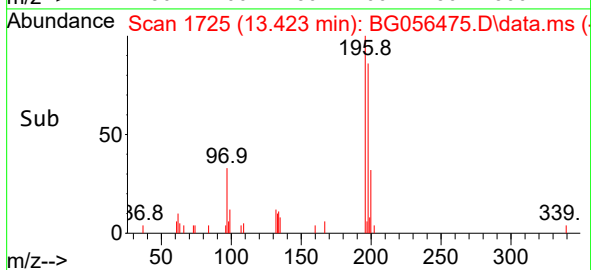
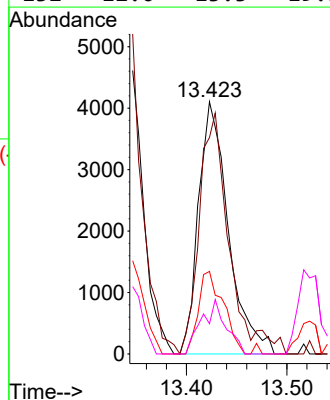
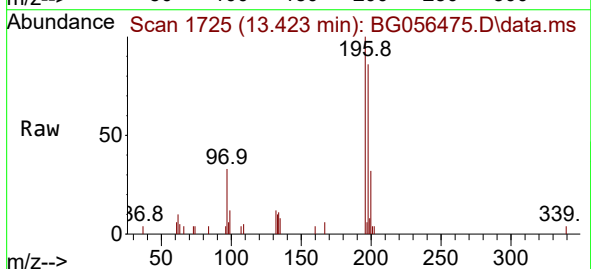
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

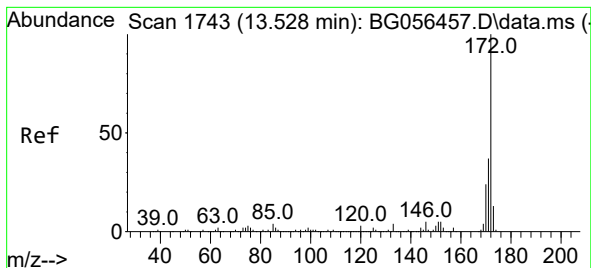
Tgt Ion:196 Resp: 7443
Ion Ratio Lower Upper
196 100
198 112.9 75.4 113.0
200 27.5 25.0 37.6



#44
2,4,5-Trichlorophenol
Concen: 3.321 ng
RT: 13.423 min Scan# 1725
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:196 Resp: 8512
Ion Ratio Lower Upper
196 100
198 85.9 76.9 115.3
97 32.7 25.8 38.6
132 12.0 13.3 19.9#





#45

2-Fluorobiphenyl

Concen: 75.652 ng

RT: 13.523 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

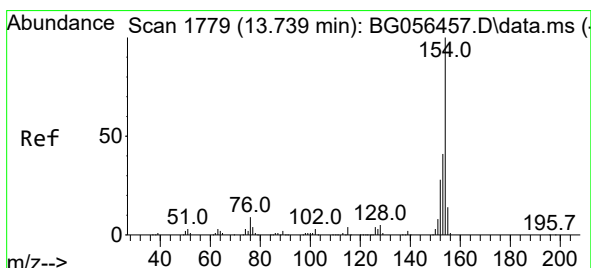
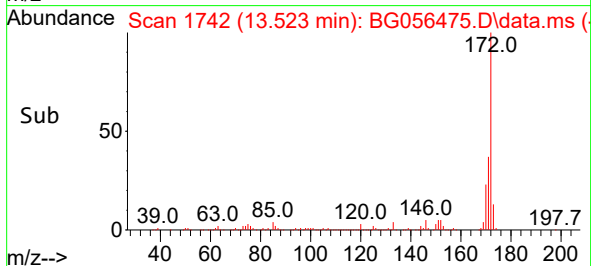
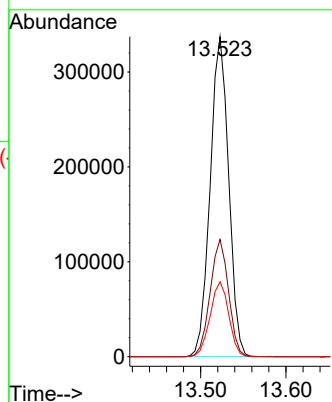
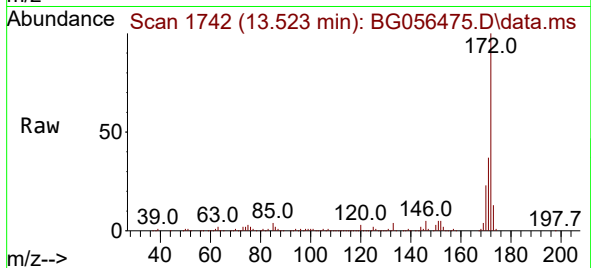
Tgt Ion:172 Resp: 507357

Ion Ratio Lower Upper

172 100

171 36.6 29.5 44.3

170 23.4 19.2 28.8



#46

1,1'-Biphenyl

Concen: 3.911 ng

RT: 13.734 min Scan# 1778

Delta R.T. -0.005 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

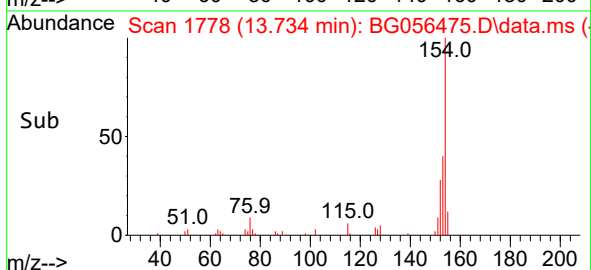
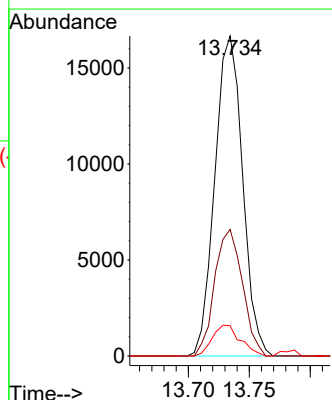
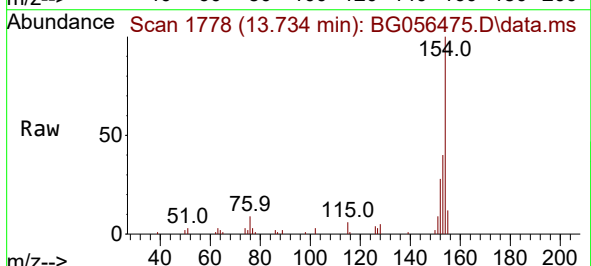
Tgt Ion:154 Resp: 26376

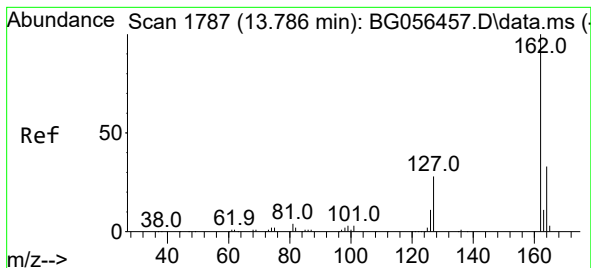
Ion Ratio Lower Upper

154 100

153 39.6 21.5 61.5

76 9.5 0.0 28.8





#47

2-Chloronaphthalene

Concen: 3.965 ng

RT: 13.787 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

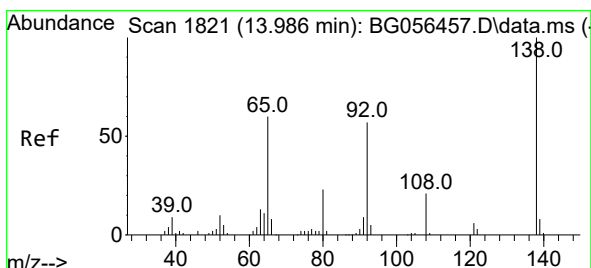
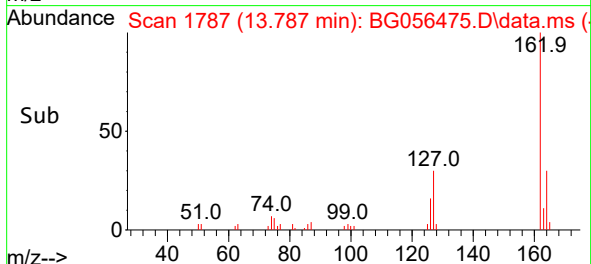
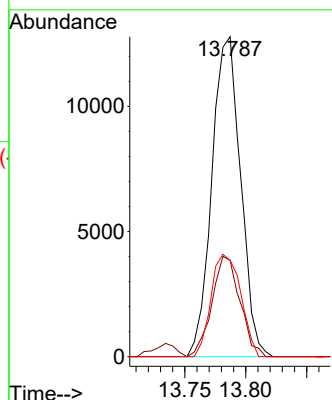
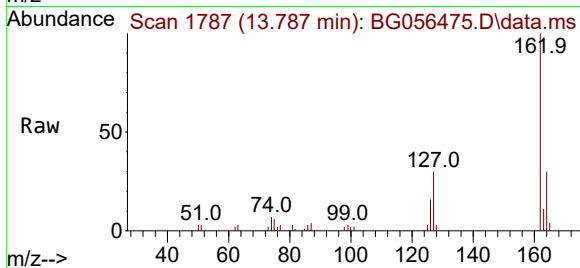
Tgt Ion:162 Resp: 20903

Ion Ratio Lower Upper

162 100

127 30.1 25.2 37.8

164 30.1 26.2 39.2



#48

2-Nitroaniline

Concen: 3.383 ng

RT: 13.975 min Scan# 1819

Delta R.T. -0.011 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

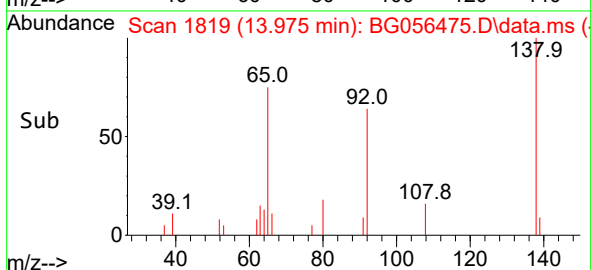
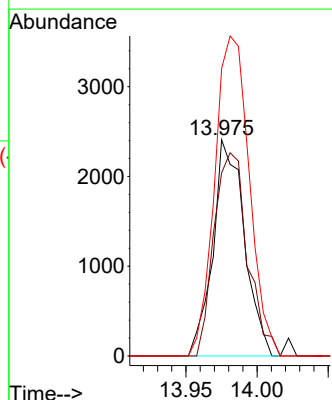
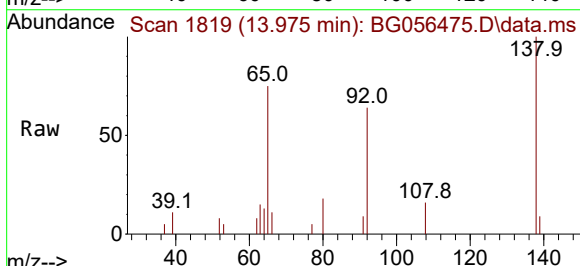
Tgt Ion: 65 Resp: 3686

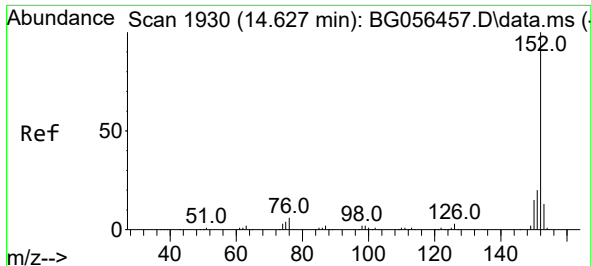
Ion Ratio Lower Upper

65 100

92 84.8 75.8 113.6

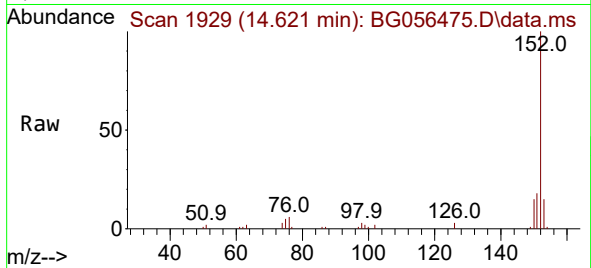
138 133.0 133.2 199.8#



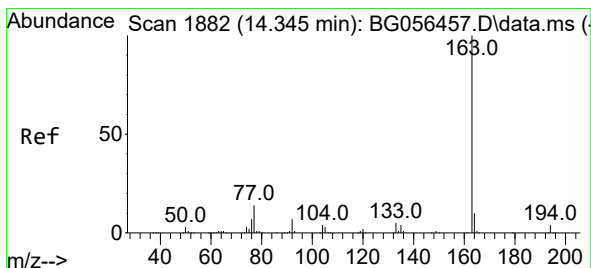
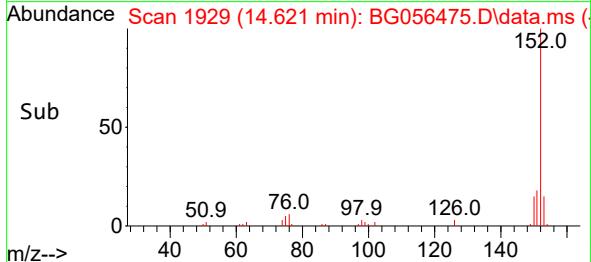
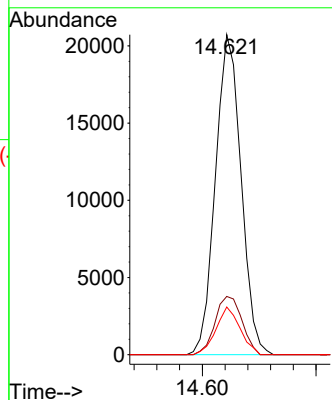


#49
Acenaphthylene
Concen: 3.776 ng
RT: 14.621 min Scan# 1930
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

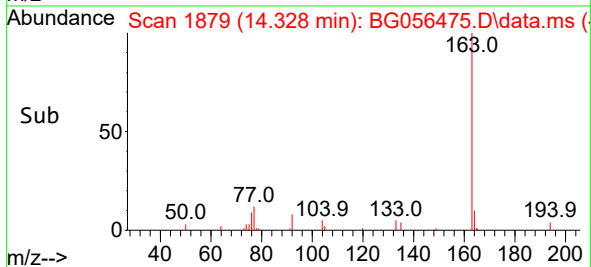
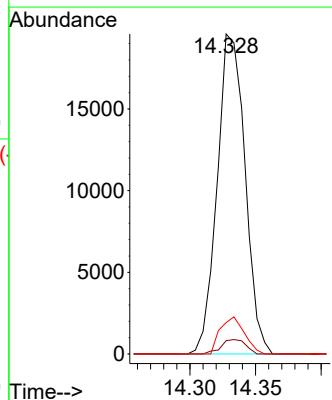
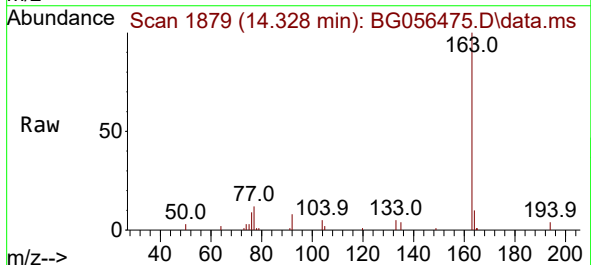


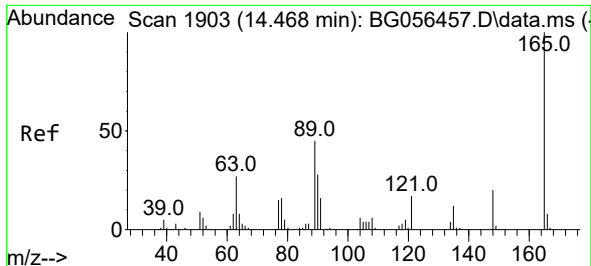
Tgt Ion:152 Resp: 32383
Ion Ratio Lower Upper
152 100
151 18.2 15.9 23.9
153 14.9 10.5 15.7



#50
Dimethylphthalate
Concen: 3.842 ng
RT: 14.328 min Scan# 1879
Delta R.T. -0.017 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:163 Resp: 28899
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 9.8 8.1 12.1

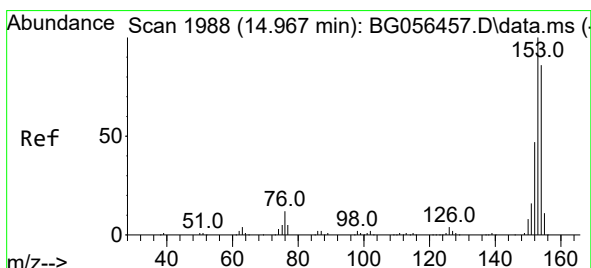
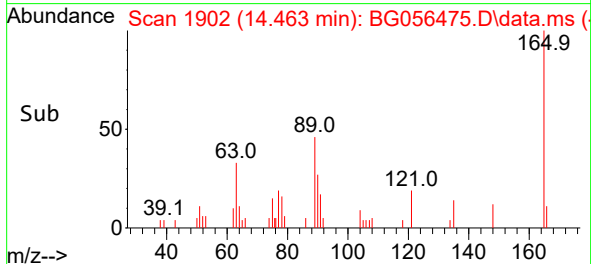
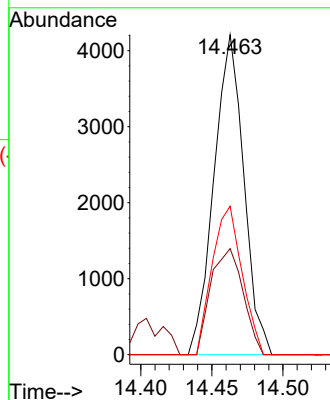
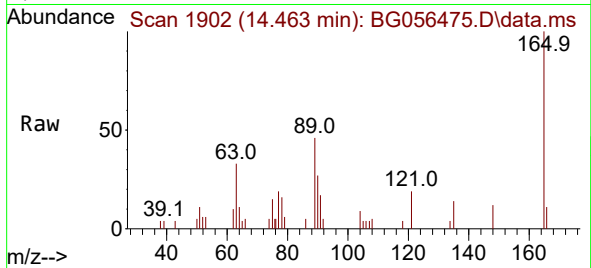




#51
2,6-Dinitrotoluene
Concen: 3.745 ng
RT: 14.463 min Scan# 1902
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

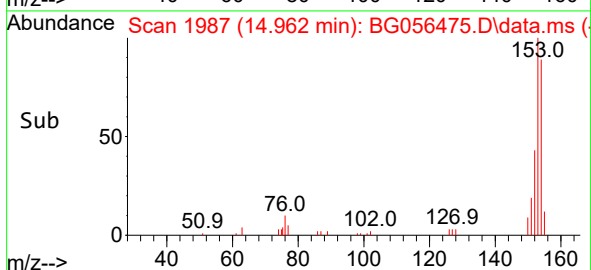
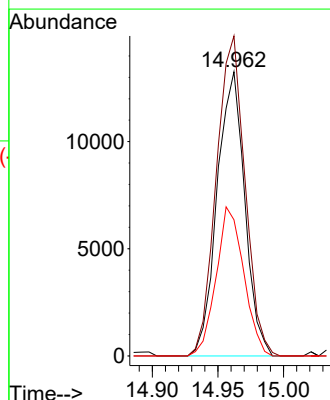
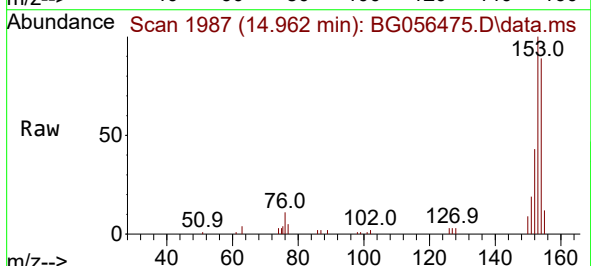
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

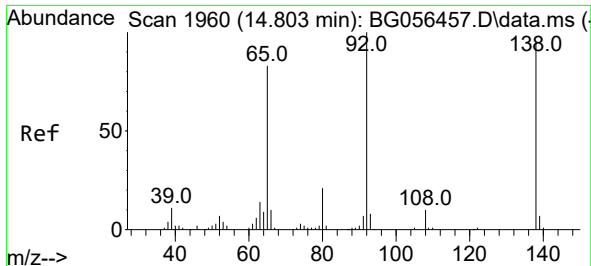
Tgt Ion:165 Resp: 6144
Ion Ratio Lower Upper
165 100
63 33.2 26.9 40.3
89 46.4 35.6 53.4



#52
Acenaphthene
Concen: 3.814 ng
RT: 14.962 min Scan# 1987
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

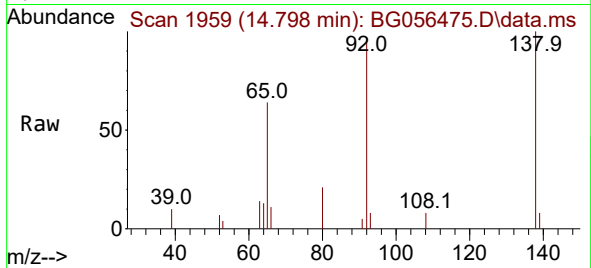
Tgt Ion:154 Resp: 19396
Ion Ratio Lower Upper
154 100
153 112.6 93.4 140.0
152 48.0 43.4 65.2



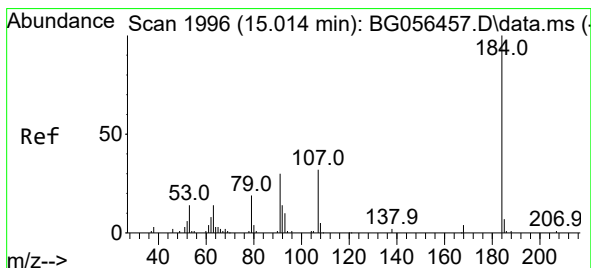
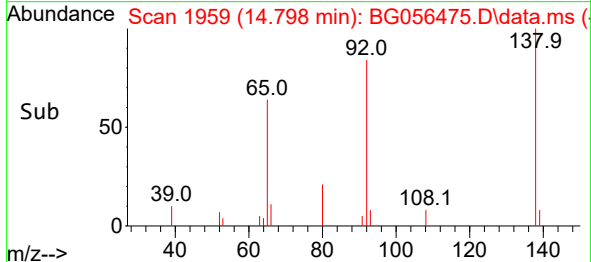
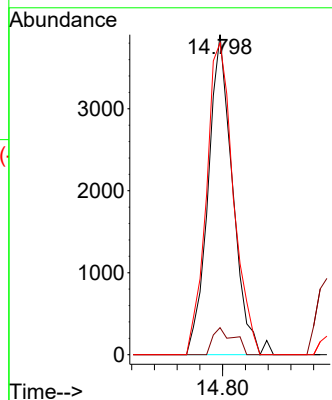


#53
3-Nitroaniline
Concen: 3.670 ng
RT: 14.798 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

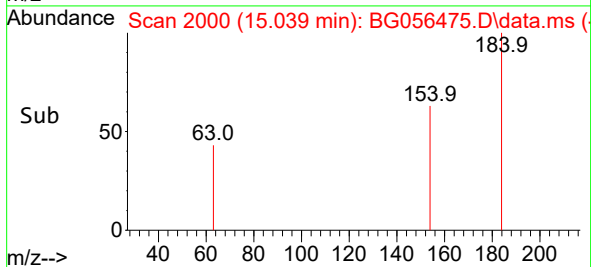
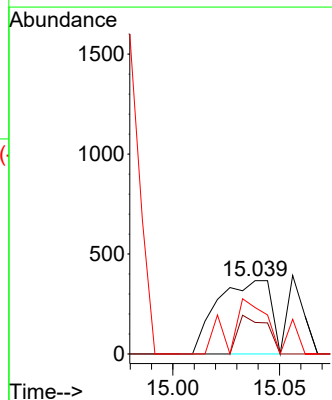
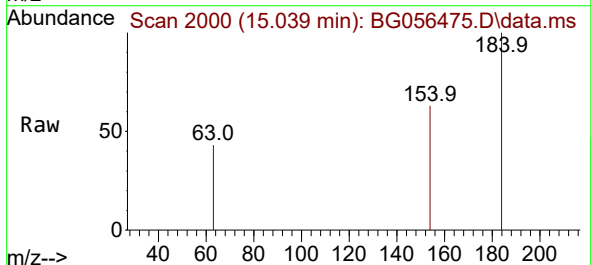


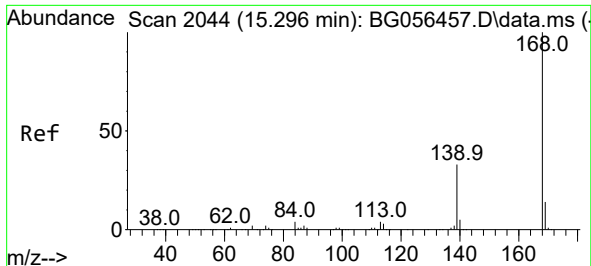
Tgt Ion:138 Resp: 5837
Ion Ratio Lower Upper
138 100
108 8.5 8.0 12.0
92 97.4 84.1 126.1



#54
2,4-Dinitrophenol
Concen: 0.623 ng
RT: 15.039 min Scan# 2000
Delta R.T. 0.025 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:184 Resp: 641
Ion Ratio Lower Upper
184 100
63 43.1 25.1 37.7#
154 63.2 44.8 67.2

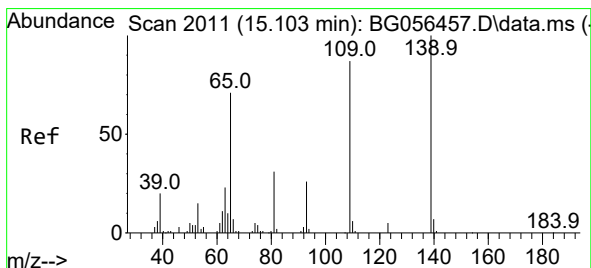
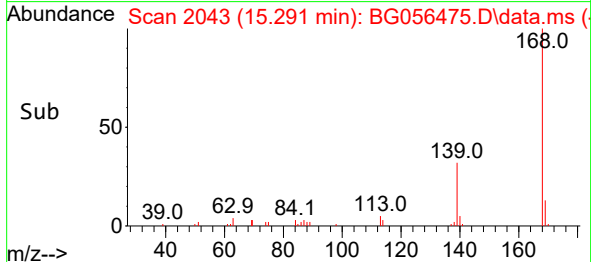
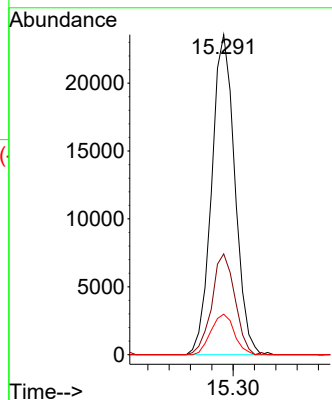
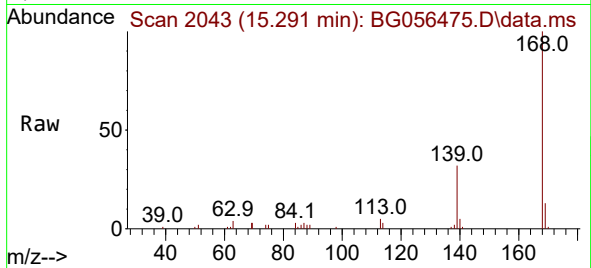




#55
Dibenzofuran
Concen: 3.888 ng
RT: 15.291 min Scan# 2013
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

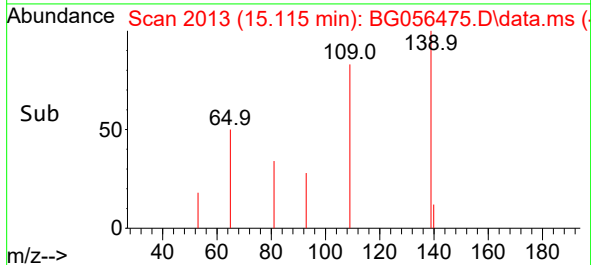
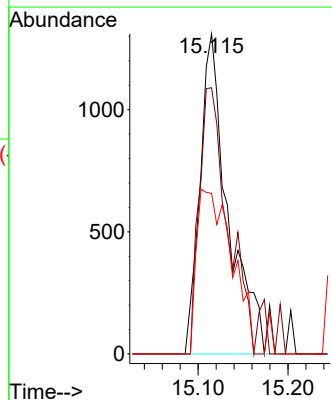
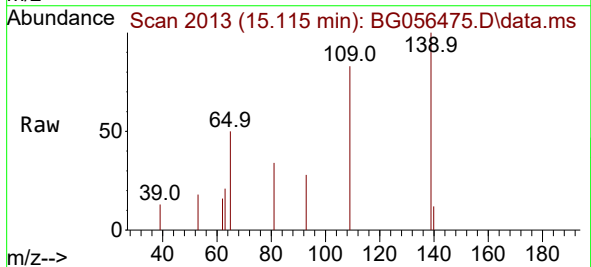
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

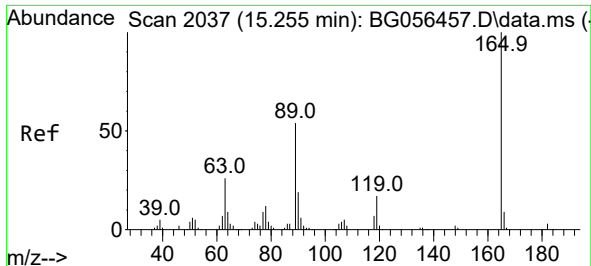
Tgt Ion:168 Resp: 35467
Ion Ratio Lower Upper
168 100
139 31.5 26.2 39.2
169 12.7 11.0 16.6



#56
4-Nitrophenol
Concen: 2.674 ng
RT: 15.115 min Scan# 2013
Delta R.T. 0.012 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:139 Resp: 2906
Ion Ratio Lower Upper
139 100
109 83.2 67.5 107.5
65 50.2 50.7 90.7#





#57

2,4-Dinitrotoluene

Concen: 3.851 ng

RT: 15.250 min Scan# 2037

Delta R.T. -0.005 min

Lab File: BG056475.D

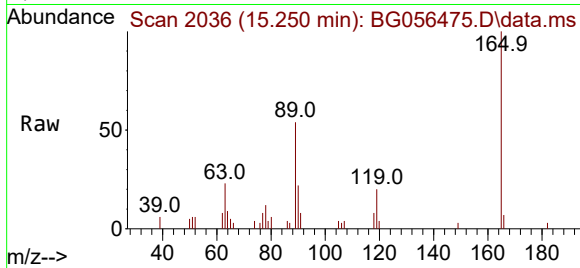
Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:165 Resp: 8898

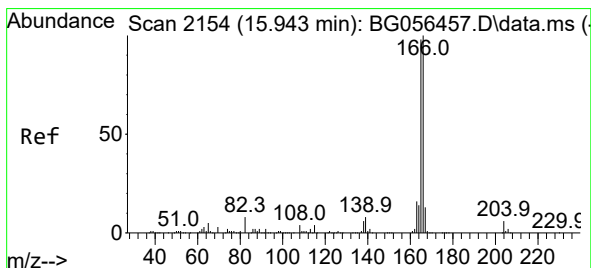
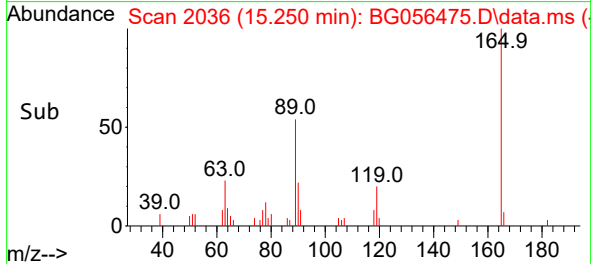
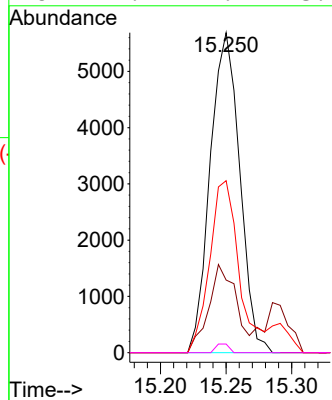
Ion Ratio Lower Upper

165 100

63 22.7 20.6 31.0

89 53.7 43.1 64.7

182 2.7 2.4 3.6



#58

Fluorene

Concen: 3.966 ng

RT: 15.938 min Scan# 2153

Delta R.T. -0.005 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

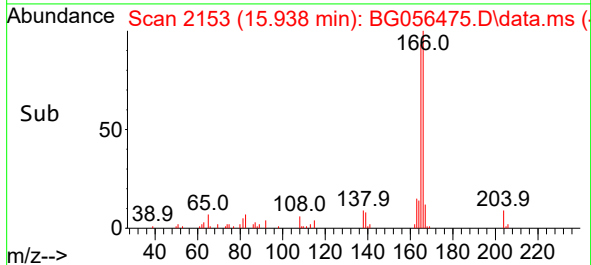
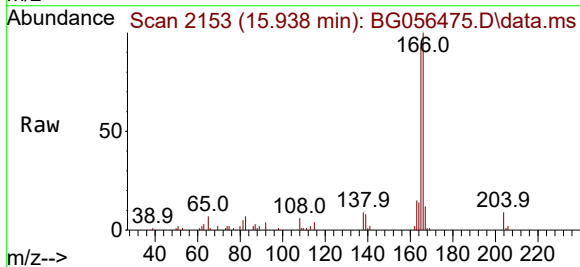
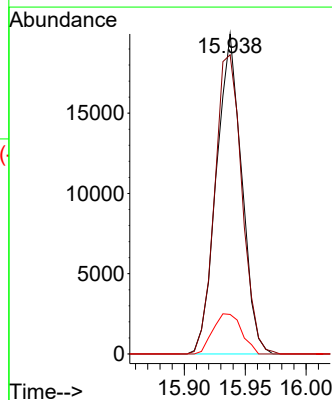
Tgt Ion:166 Resp: 28783

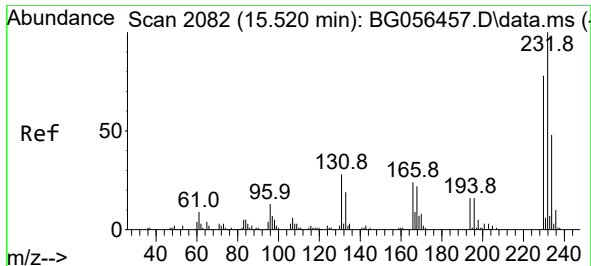
Ion Ratio Lower Upper

166 100

165 93.5 78.8 118.2

167 12.3 10.6 15.8

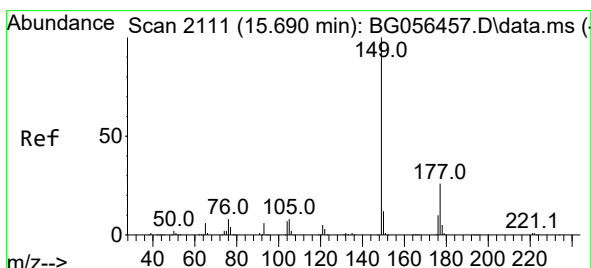
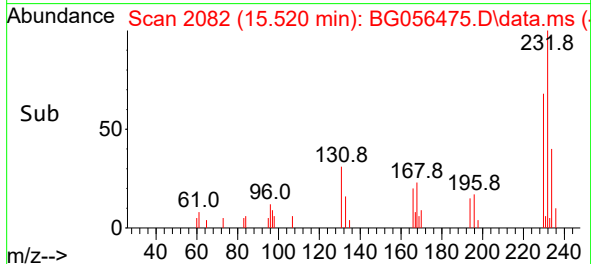
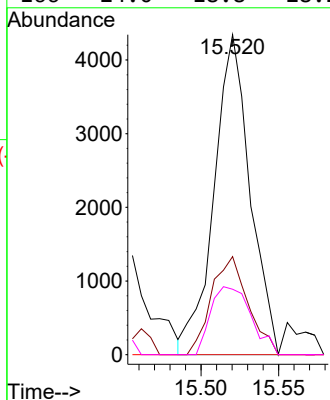
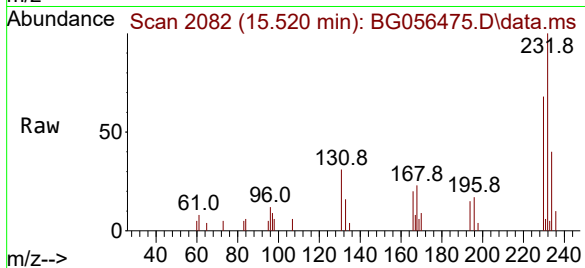




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.069 ng
RT: 15.520 min Scan# 2082
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

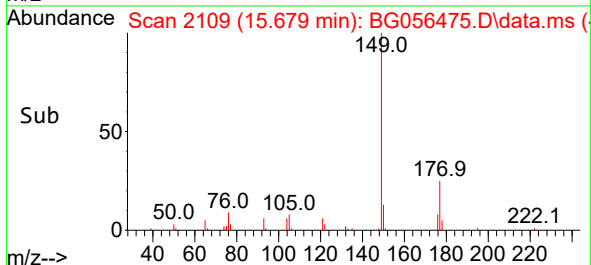
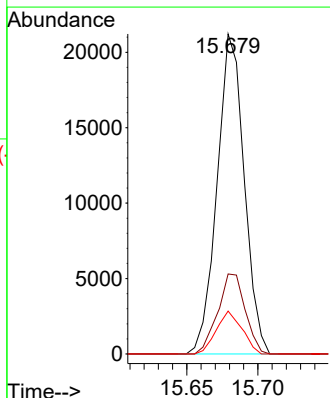
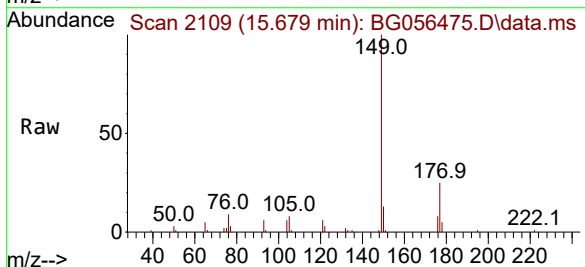
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

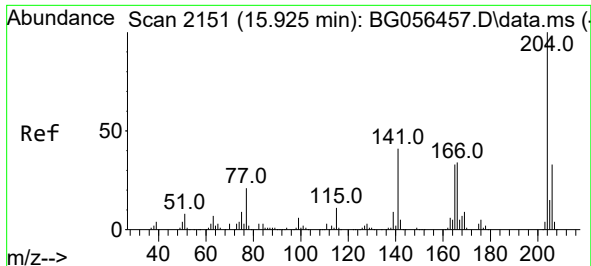
Tgt Ion:232 Resp: 6994
Ion Ratio Lower Upper
232 100
131 31.4 22.8 34.2
130 0.0 1.4 2.0#
166 24.0 18.8 28.2



#60
Diethylphthalate
Concen: 3.976 ng
RT: 15.679 min Scan# 2109
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:149 Resp: 28083
Ion Ratio Lower Upper
149 100
177 25.0 21.0 31.4
150 13.4 9.9 14.9

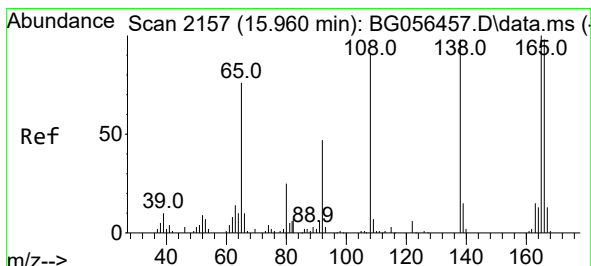
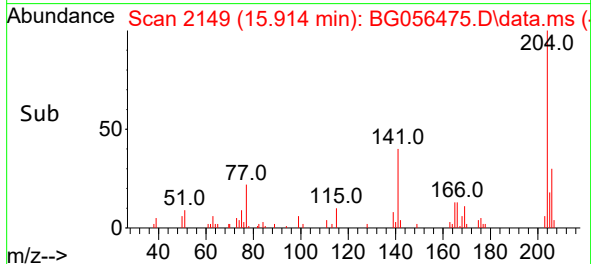
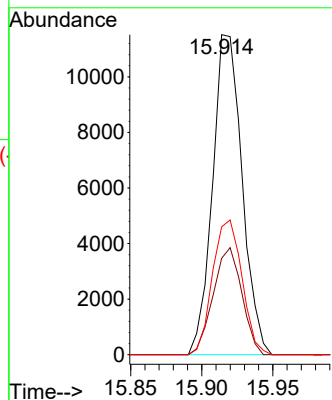
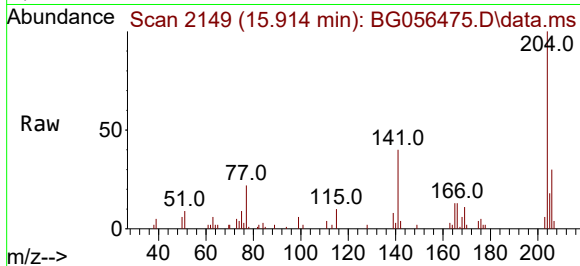




#61
4-Chlorophenyl-phenylether
Concen: 3.760 ng
RT: 15.914 min Scan# 2149
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

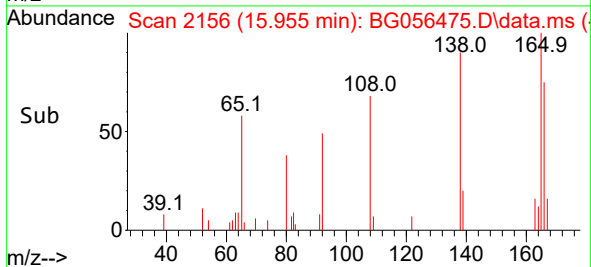
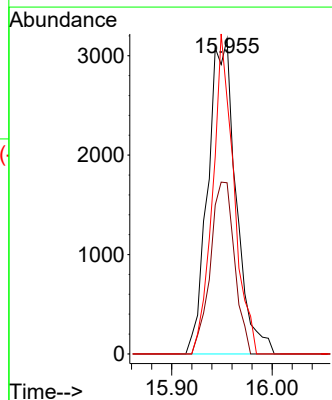
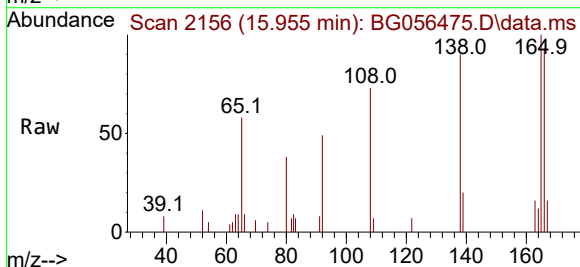
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

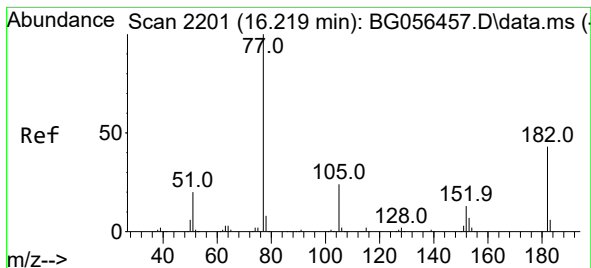
Tgt Ion:204 Resp: 16651
Ion Ratio Lower Upper
204 100
206 30.1 26.2 39.4
141 39.9 32.7 49.1



#62
4-Nitroaniline
Concen: 3.877 ng
RT: 15.955 min Scan# 2156
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:138 Resp: 6169
Ion Ratio Lower Upper
138 100
92 54.3 27.8 67.8
108 80.9 72.6 112.6





#63

Azobenzene

Concen: 3.971 ng

RT: 16.214 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG056475.D

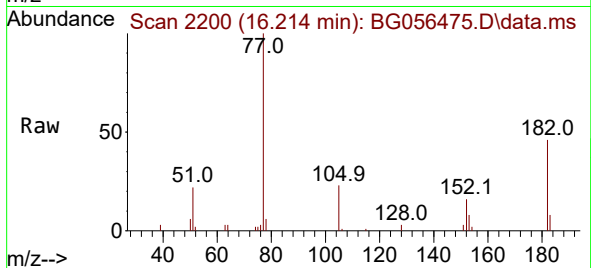
Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 77 Resp: 19299

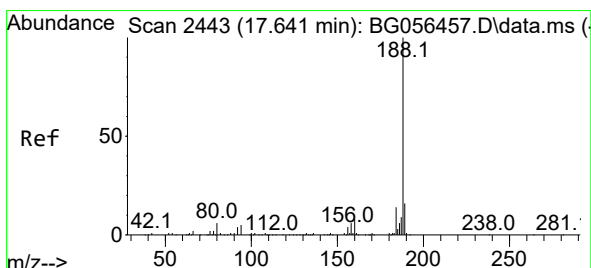
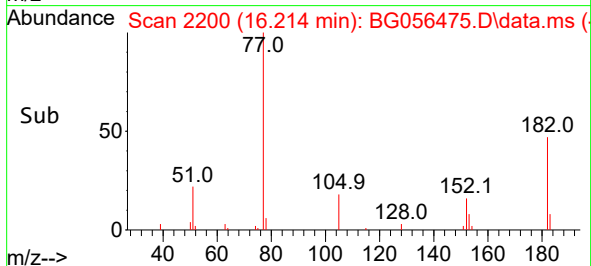
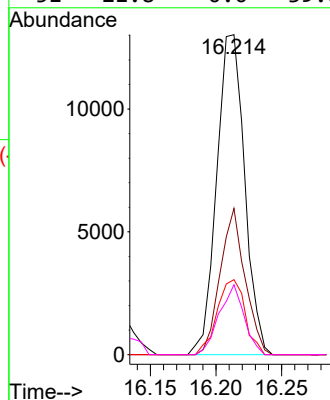
Ion Ratio Lower Upper

77 100

182 45.7 23.1 63.1

105 23.4 4.2 44.2

51 21.8 0.0 39.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.636 min Scan# 2442

Delta R.T. -0.005 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

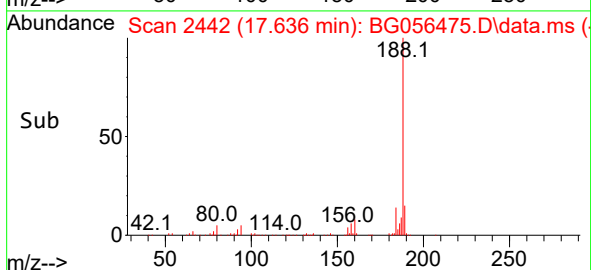
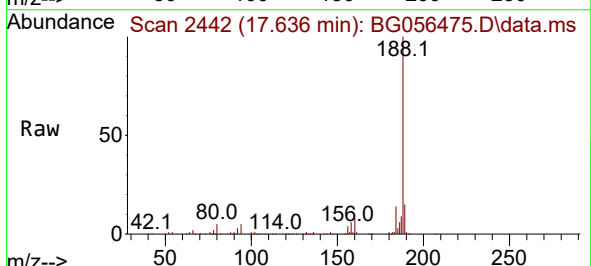
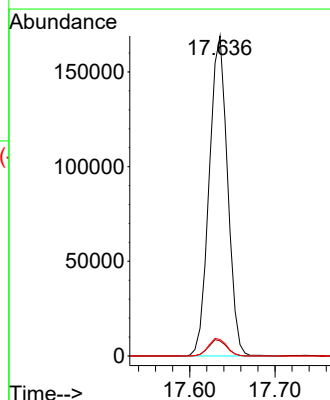
Tgt Ion:188 Resp: 252372

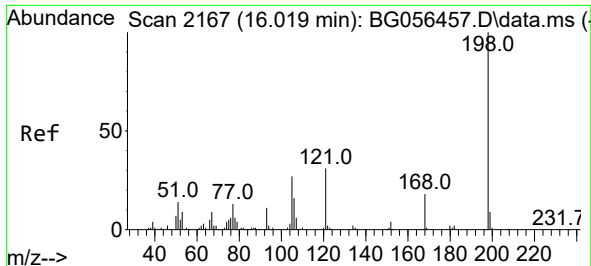
Ion Ratio Lower Upper

188 100

94 4.7 4.1 6.1

80 5.1 5.0 7.4

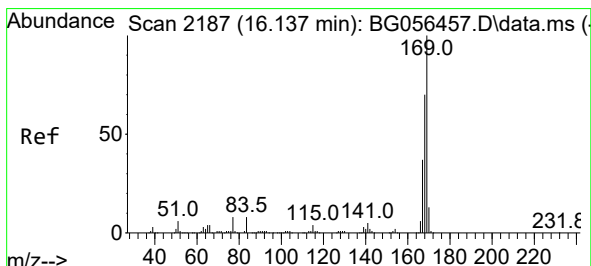
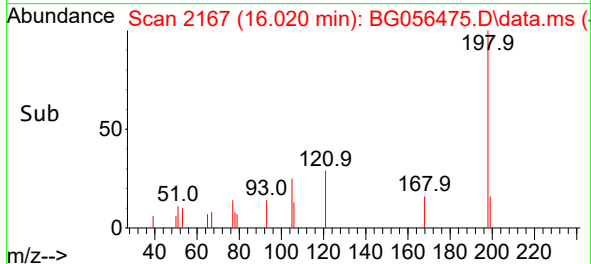
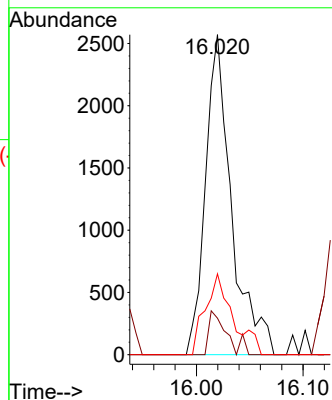
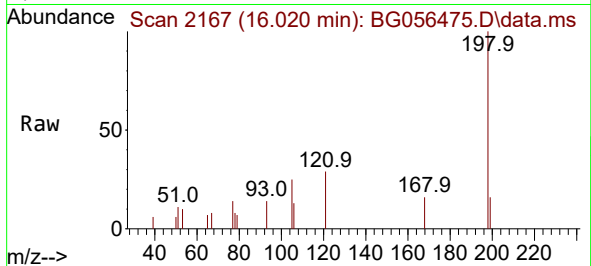




#65
4,6-Dinitro-2-methylphenol
Concen: 2.462 ng
RT: 16.020 min Scan# 2167
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

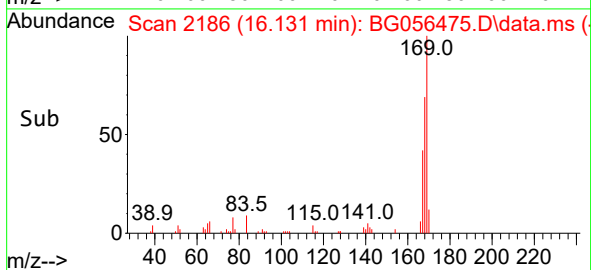
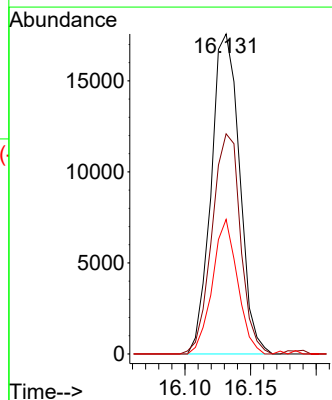
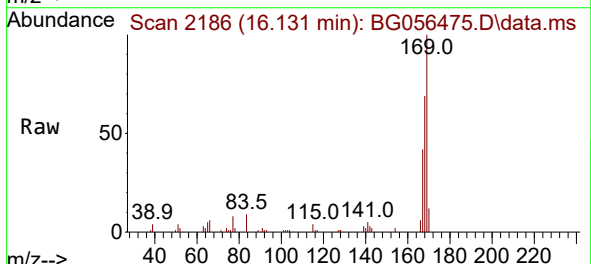
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

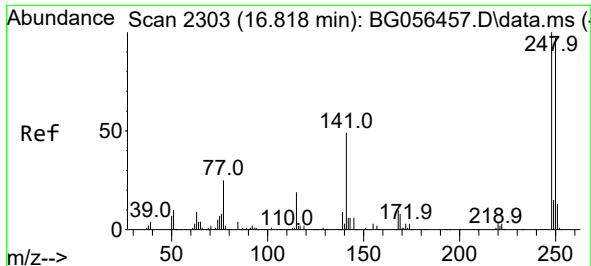
Tgt Ion:198 Resp: 4369
Ion Ratio Lower Upper
198 100
51 11.4 0.0 35.0
105 25.2 7.4 47.4



#66
n-Nitrosodiphenylamine
Concen: 3.696 ng
RT: 16.131 min Scan# 2186
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:169 Resp: 26406
Ion Ratio Lower Upper
169 100
168 68.8 55.8 83.6
167 42.1 29.8 44.8

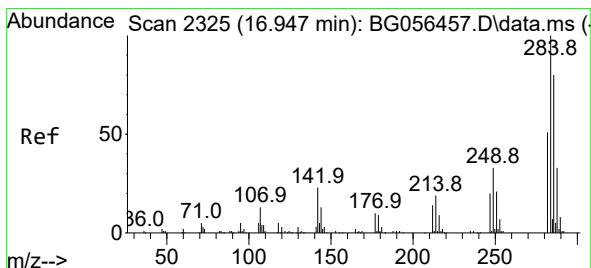
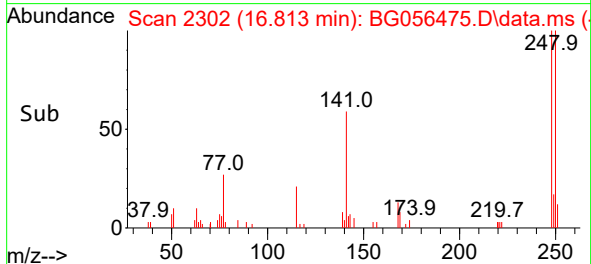
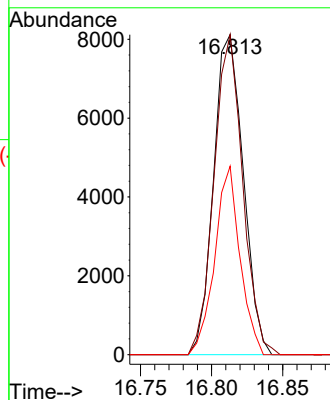
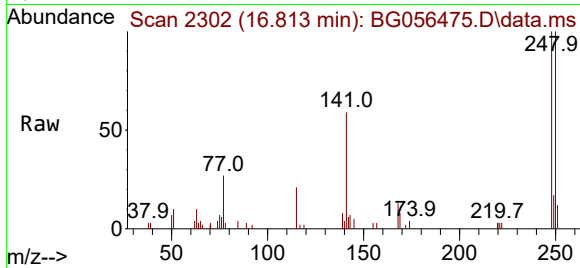




#67
4-Bromophenyl-phenylether
Concen: 3.646 ng
RT: 16.813 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

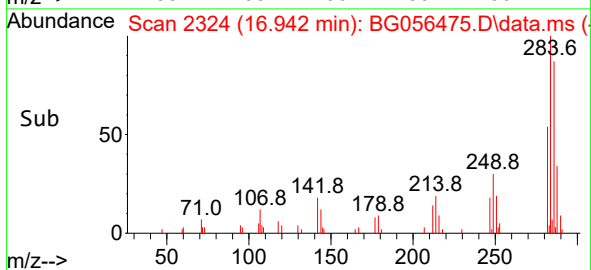
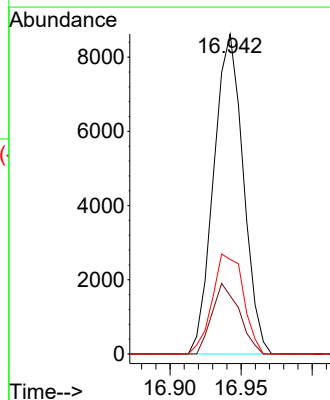
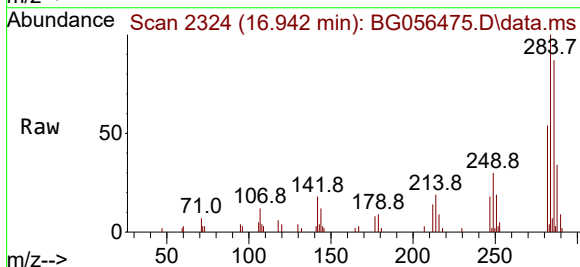
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

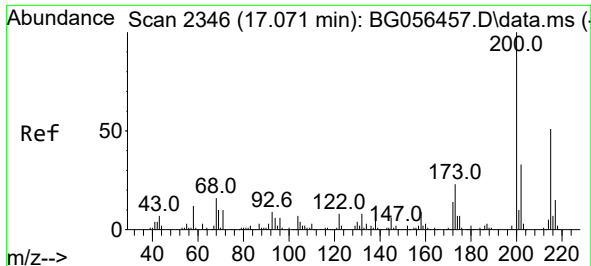
Tgt Ion:248 Resp: 11781
Ion Ratio Lower Upper
248 100
250 100.0 77.6 116.4
141 58.9 39.0 58.4#



#68
Hexachlorobenzene
Concen: 3.942 ng
RT: 16.942 min Scan# 2324
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:284 Resp: 12473
Ion Ratio Lower Upper
284 100
142 18.2 18.0 27.0
249 29.6 26.7 40.1

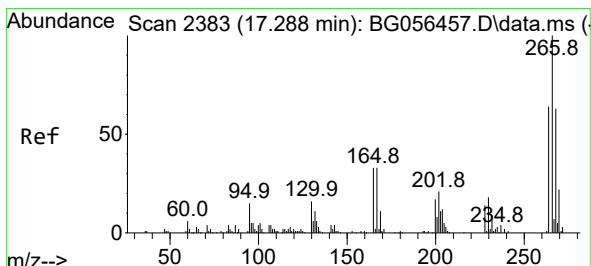
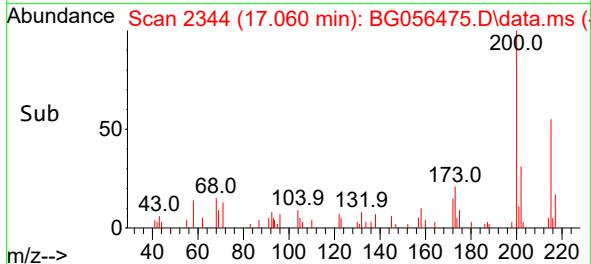
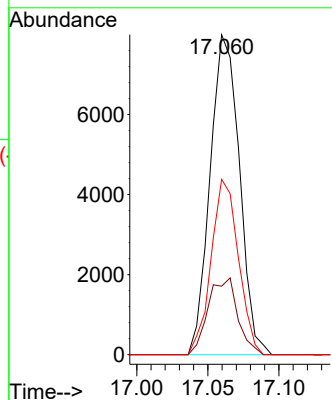
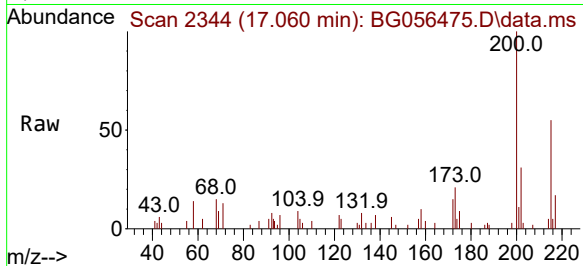




#69
 Atrazine
 Concen: 4.155 ng
 RT: 17.060 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

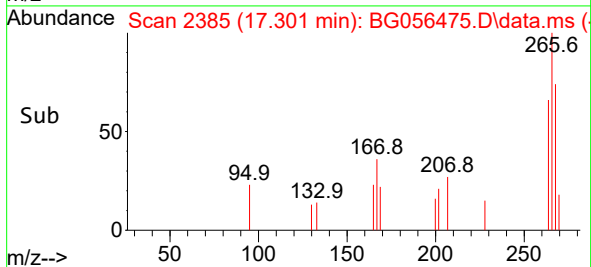
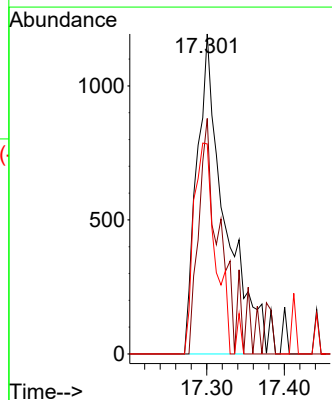
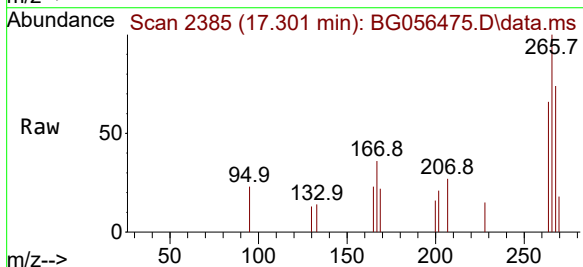
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

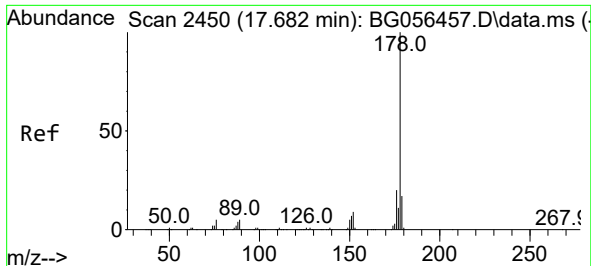
Tgt Ion:200 Resp: 11455
 Ion Ratio Lower Upper
 200 100
 173 21.4 3.2 43.2
 215 54.8 30.7 70.7



#70
 Pentachlorophenol
 Concen: 1.593 ng
 RT: 17.301 min Scan# 2385
 Delta R.T. 0.013 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

Tgt Ion:266 Resp: 3050
 Ion Ratio Lower Upper
 266 100
 268 73.6 50.2 75.4
 264 65.7 51.4 77.0

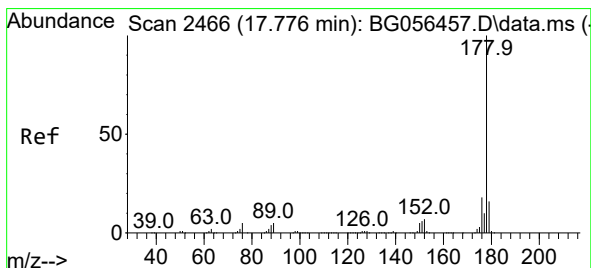
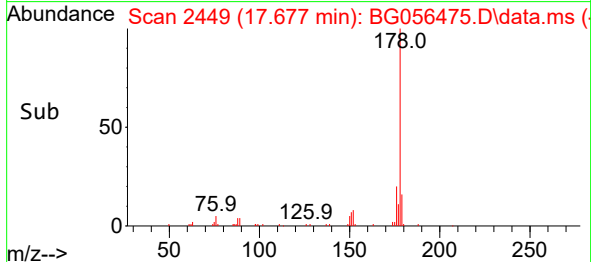
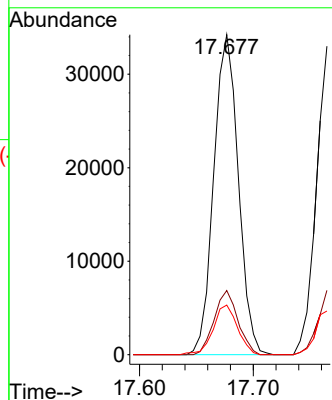
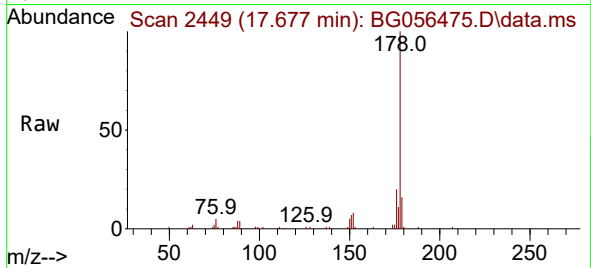




#71
Phenanthrene
Concen: 3.882 ng
RT: 17.677 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

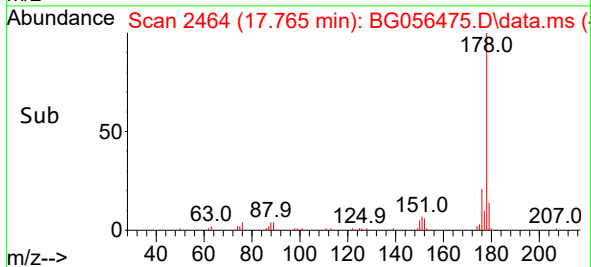
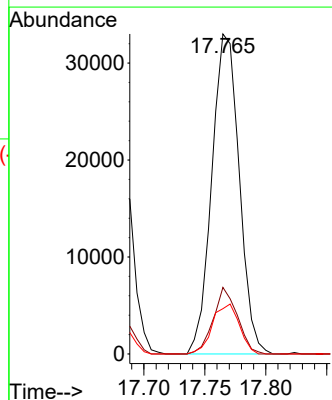
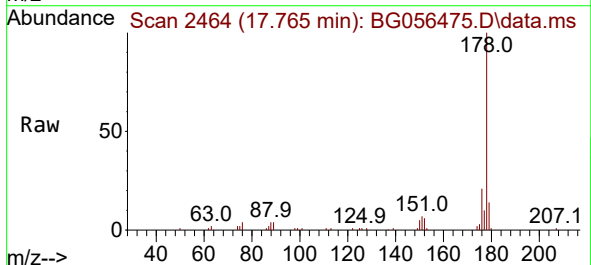
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

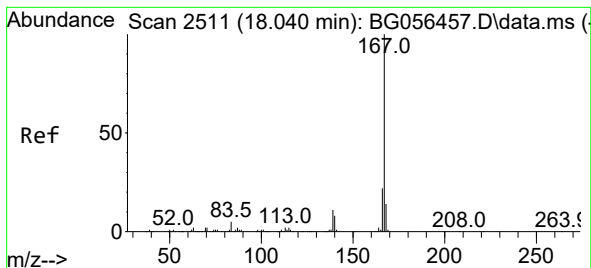
Tgt Ion:178	Resp:	51281
Ion Ratio	Lower	Upper
178	100	
176	20.1	15.6 23.4
179	15.5	13.3 19.9



#72
Anthracene
Concen: 3.813 ng
RT: 17.765 min Scan# 2464
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:178	Resp:	51702
Ion Ratio	Lower	Upper
178	100	
176	20.8	14.5 21.7
179	14.1	12.5 18.7





#73

Carbazole

Concen: 3.917 ng

RT: 18.035 min Scan# 2510

Delta R.T. -0.005 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

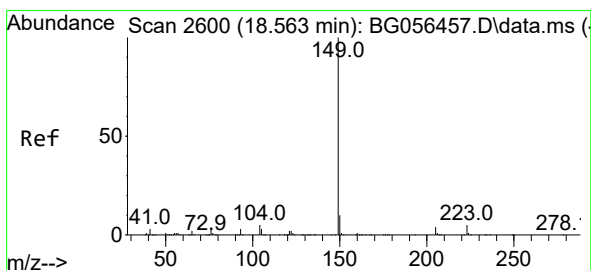
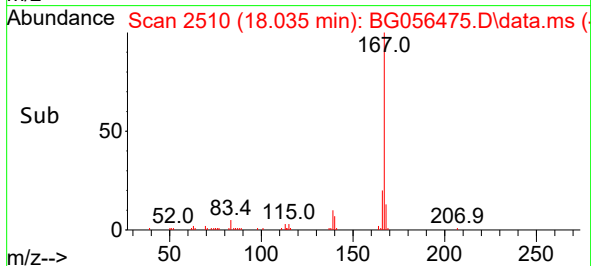
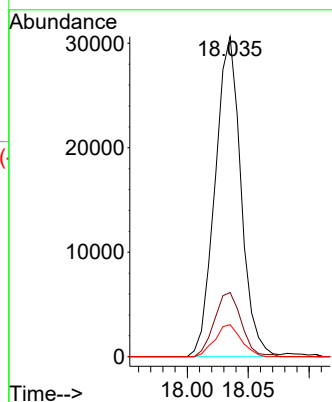
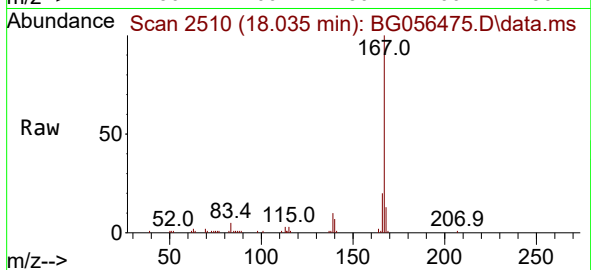
Tgt Ion:167 Resp: 45239

Ion Ratio Lower Upper

167 100

166 20.1 17.8 26.6

139 10.0 8.9 13.3



#74

Di-n-butylphthalate

Concen: 3.640 ng

RT: 18.558 min Scan# 2599

Delta R.T. -0.005 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

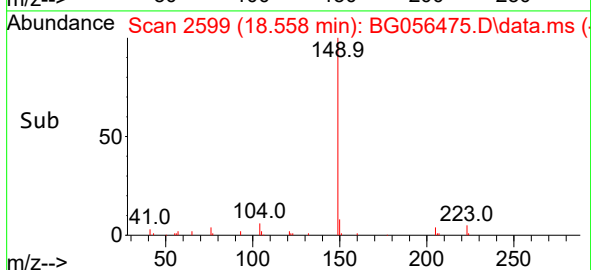
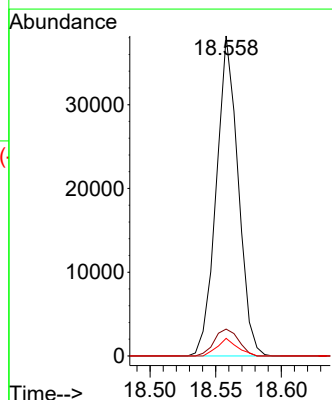
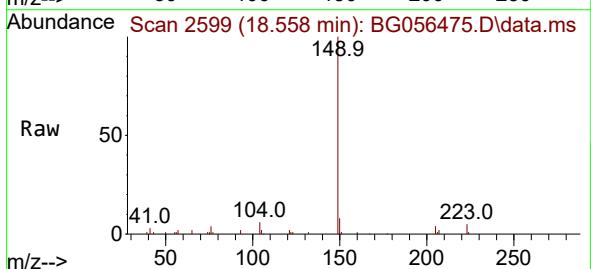
Tgt Ion:149 Resp: 44134

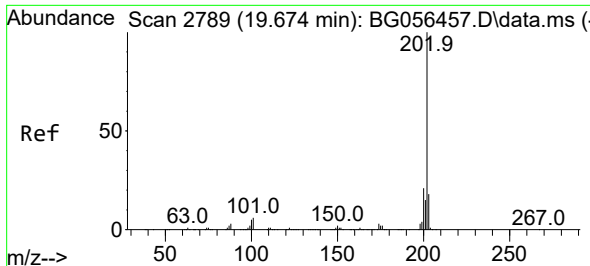
Ion Ratio Lower Upper

149 100

150 8.4 7.8 11.6

104 5.5 4.0 6.0

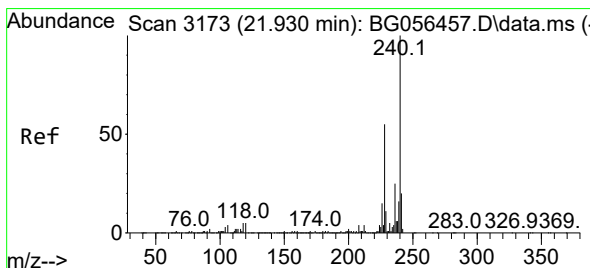
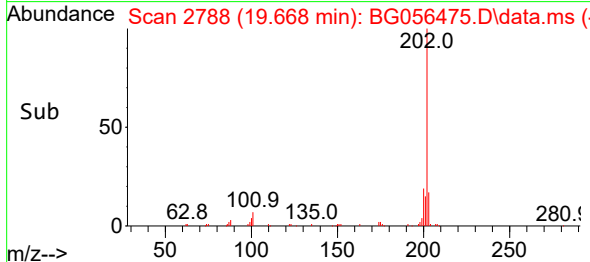
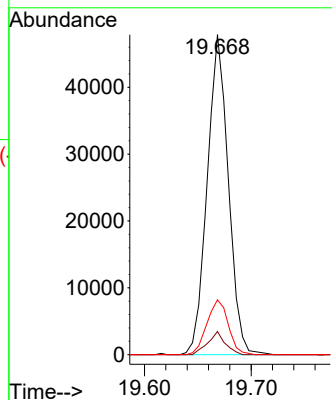
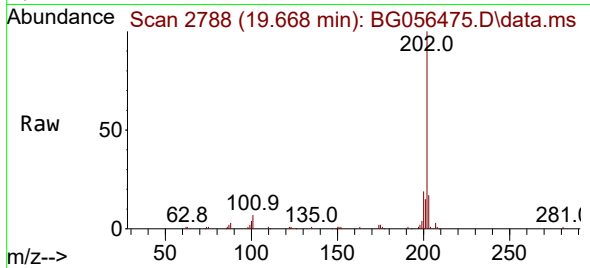




#75
Fluoranthene
Concen: 3.948 ng
RT: 19.668 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

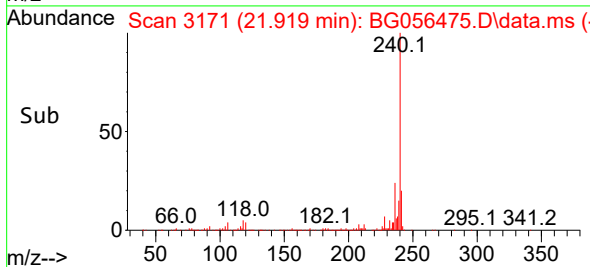
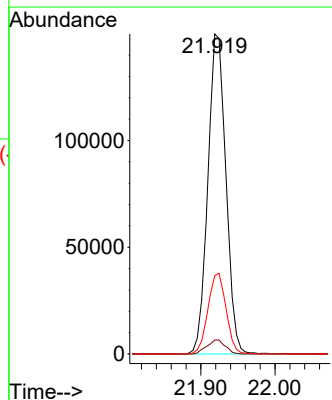
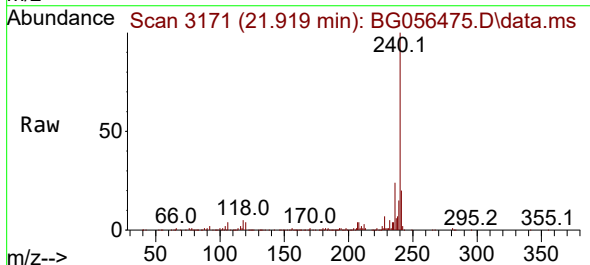
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

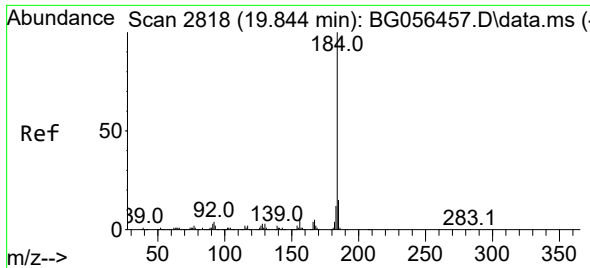
Tgt Ion:202 Resp: 65819
Ion Ratio Lower Upper
202 100
101 7.2 0.0 25.6
203 17.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:240 Resp: 253333
Ion Ratio Lower Upper
240 100
120 4.4 3.8 5.8
236 24.5 20.2 30.2

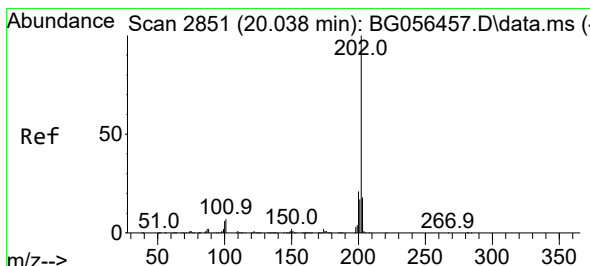
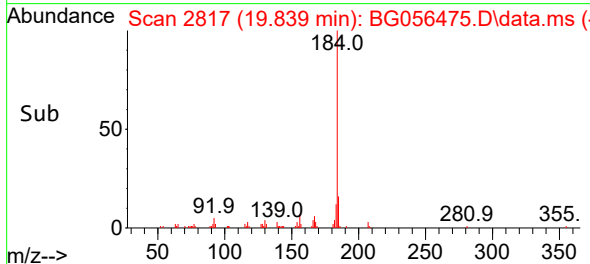
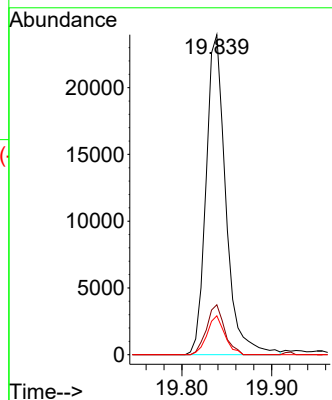
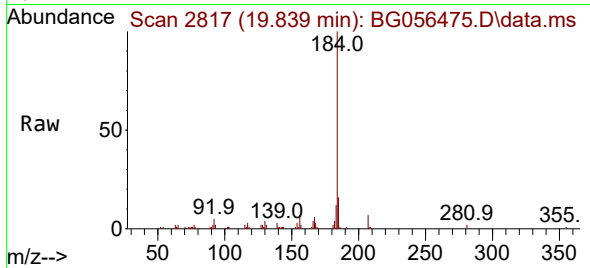




#77
Benzidine
Concen: 5.336 ng
RT: 19.839 min Scan# 2817
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

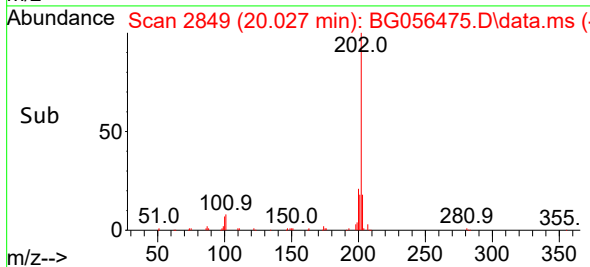
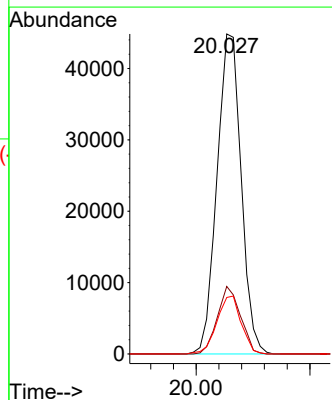
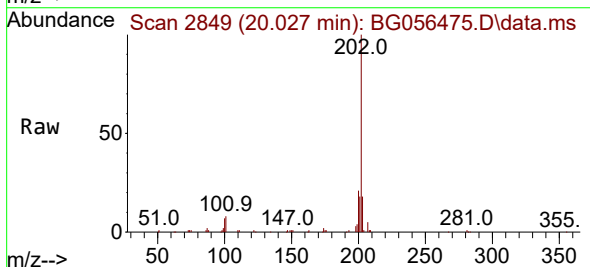
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

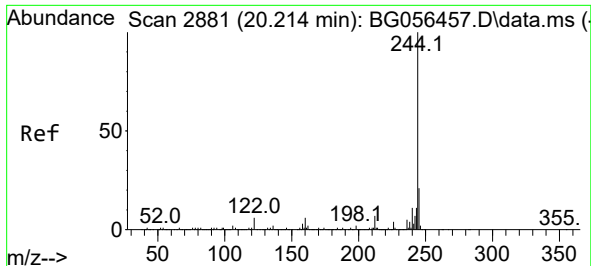
Tgt Ion:184 Resp: 36582
Ion Ratio Lower Upper
184 100
185 15.6 12.3 18.5
183 12.1 9.8 14.8



#78
Pyrene
Concen: 3.673 ng
RT: 20.027 min Scan# 2849
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:202 Resp: 66177
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.7 14.4 21.6

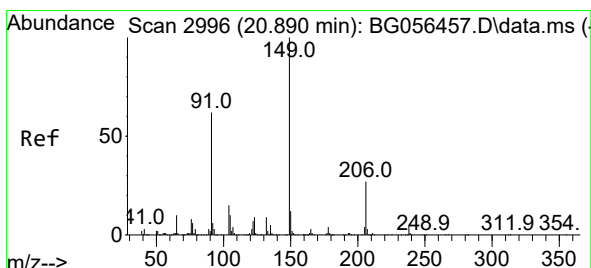
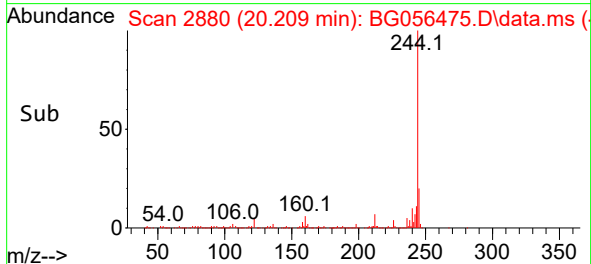
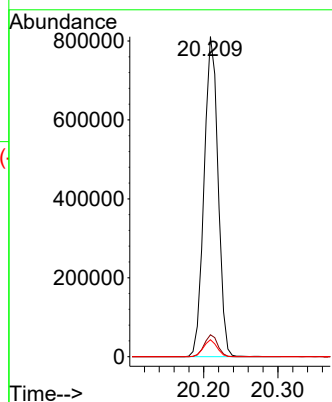
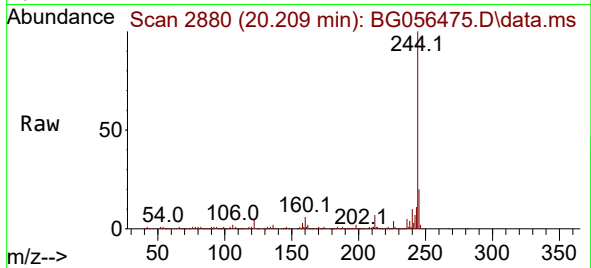




#79
 Terphenyl-d14
 Concen: 73.544 ng
 RT: 20.209 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

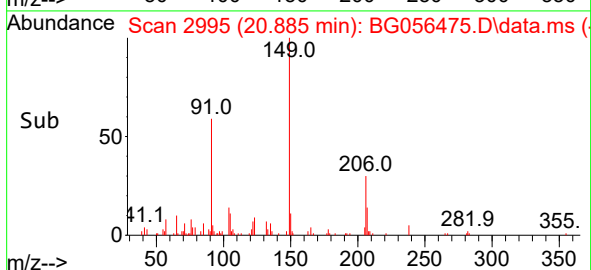
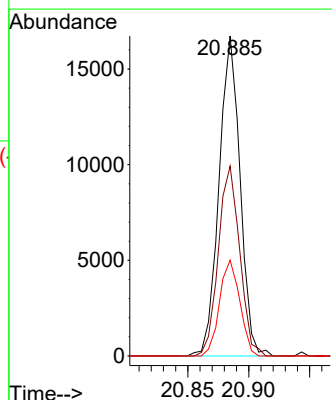
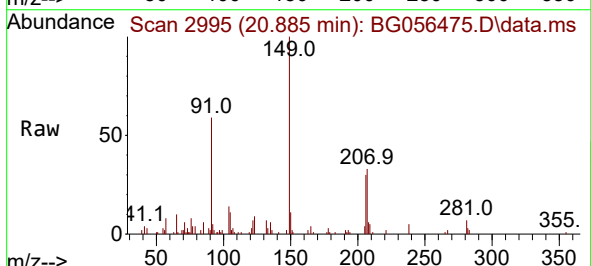
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

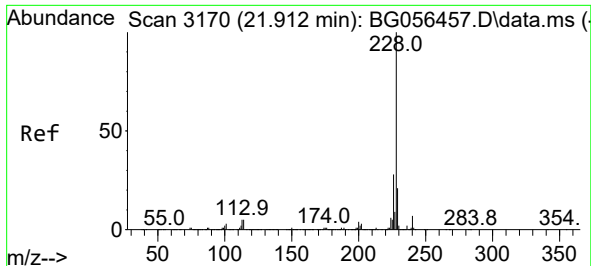
Tgt Ion:244 Resp: 1060784
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 5.3 4.4 6.6



#80
 Butylbenzylphthalate
 Concen: 3.648 ng
 RT: 20.885 min Scan# 2995
 Delta R.T. -0.005 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

Tgt Ion:149 Resp: 20071
 Ion Ratio Lower Upper
 149 100
 91 59.3 49.4 74.0
 206 29.9 22.0 33.0

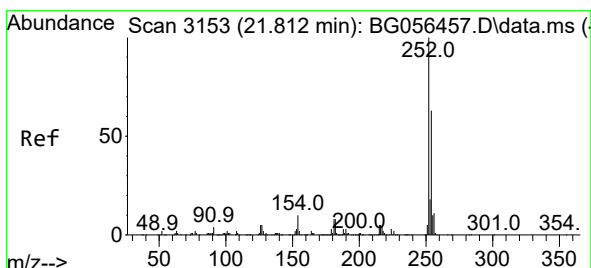
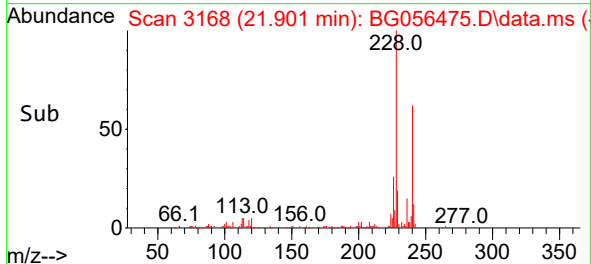
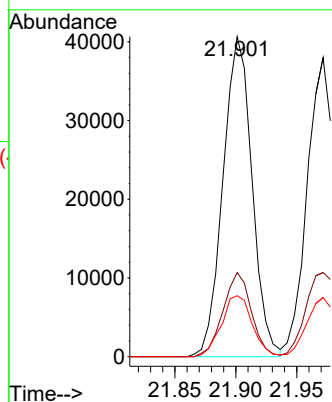
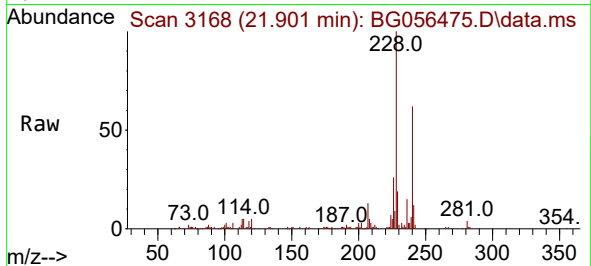




#81
Benzo(a)anthracene
Concen: 3.811 ng
RT: 21.901 min Scan# 311
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

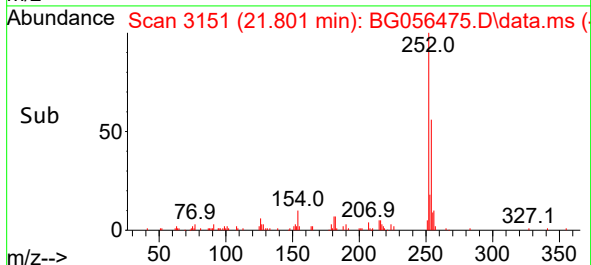
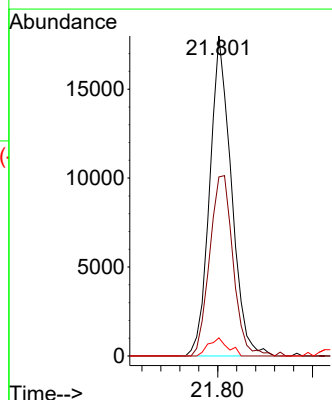
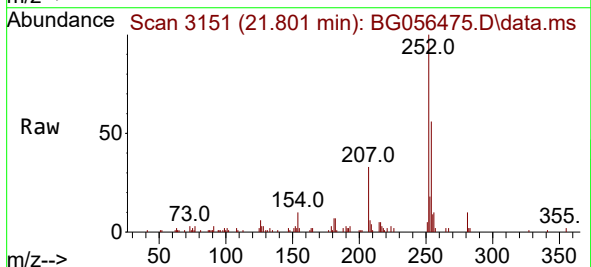
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

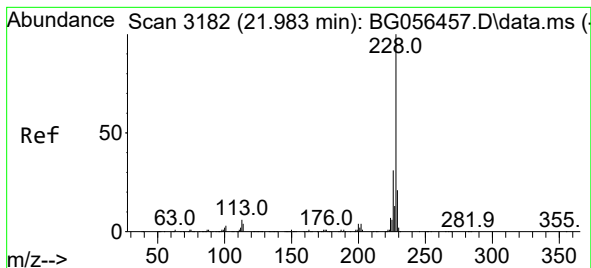
Tgt Ion:228 Resp: 67492
Ion Ratio Lower Upper
228 100
226 26.3 22.4 33.6
229 19.1 16.5 24.7



#82
3,3'-Dichlorobenzidine
Concen: 4.466 ng
RT: 21.801 min Scan# 3151
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:252 Resp: 28481
Ion Ratio Lower Upper
252 100
254 55.9 50.0 75.0
126 5.7 4.3 6.5





#83

Chrysene

Concen: 3.763 ng

RT: 21.972 min Scan# 3180

Delta R.T. -0.011 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

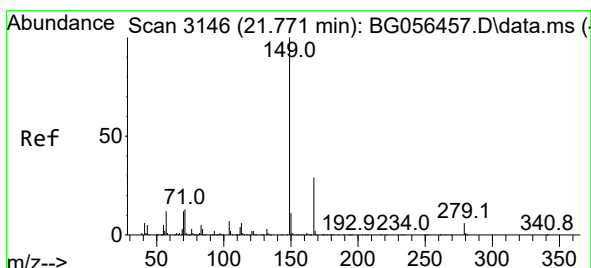
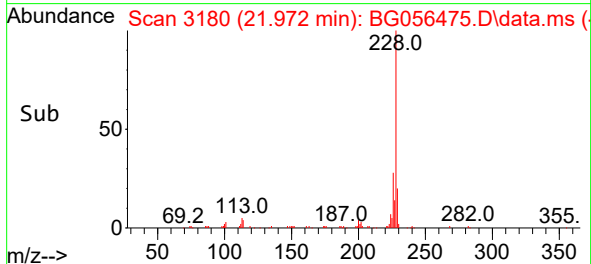
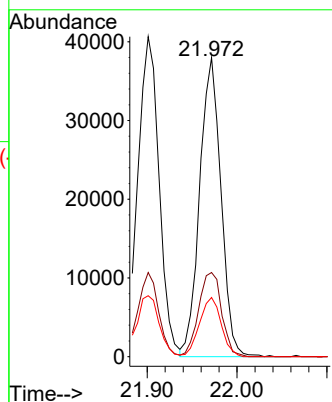
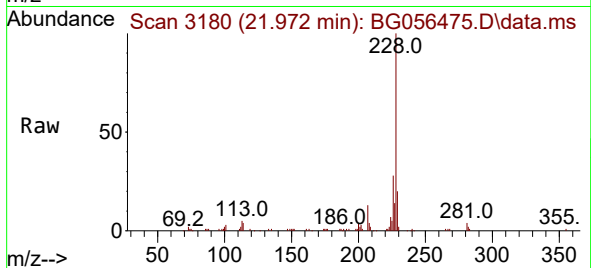
Tgt Ion:228 Resp: 62606

Ion Ratio Lower Upper

228 100

226 28.1 25.0 37.4

229 19.8 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.555 ng

RT: 21.760 min Scan# 3144

Delta R.T. -0.011 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

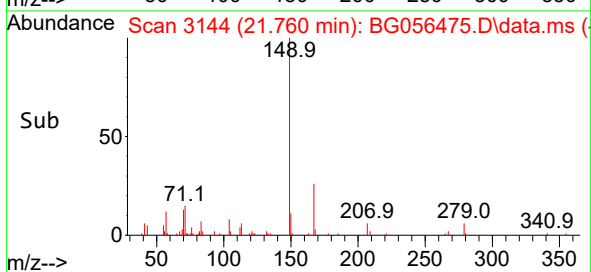
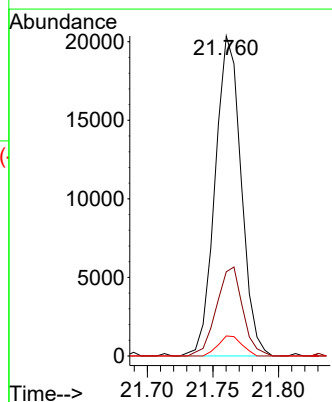
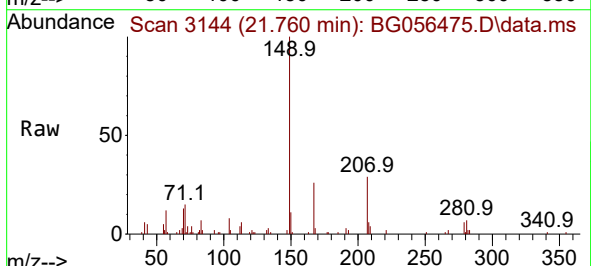
Tgt Ion:149 Resp: 28048

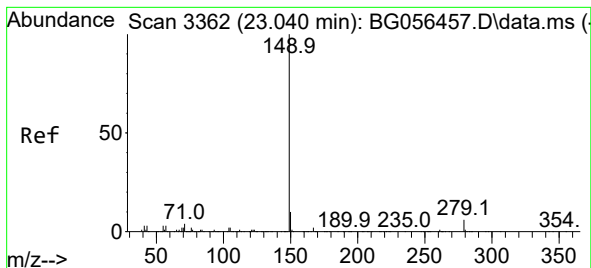
Ion Ratio Lower Upper

149 100

167 26.3 23.4 35.2

279 6.3 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 3.600 ng

RT: 23.029 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

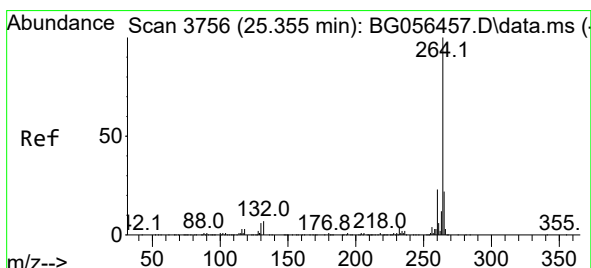
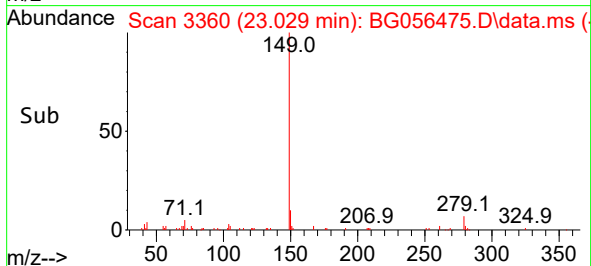
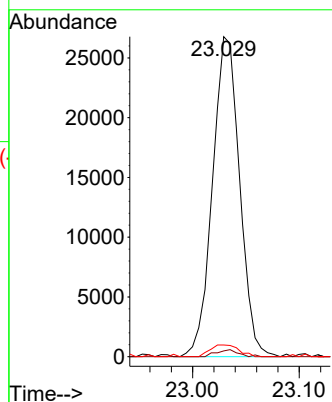
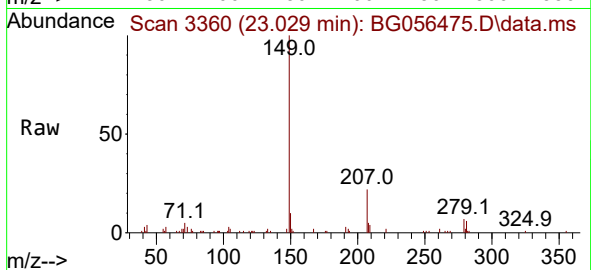
Tgt Ion:149 Resp: 47295

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 3.9 2.7 4.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.338 min Scan# 3753

Delta R.T. -0.017 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

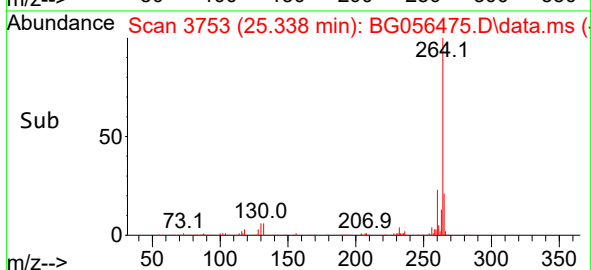
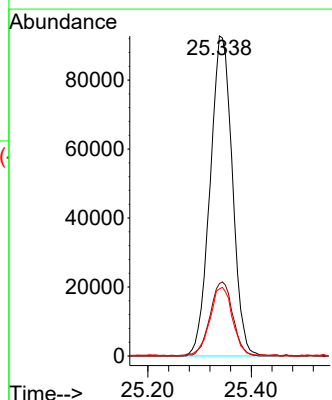
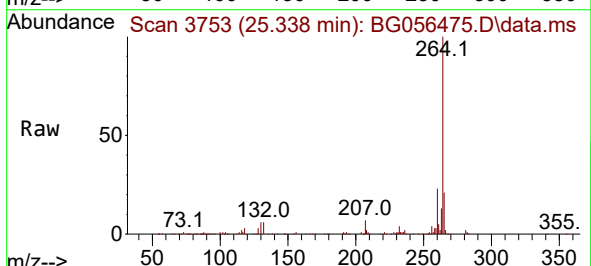
Tgt Ion:264 Resp: 276894

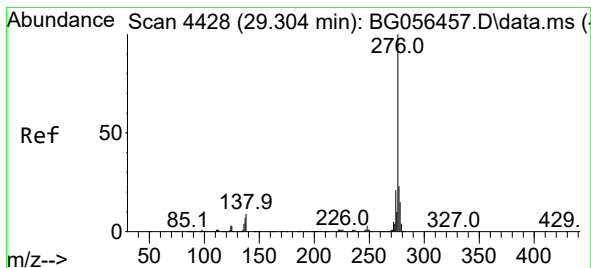
Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

265 21.0 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.653 ng

RT: 29.269 min Scan# 4422

Delta R.T. -0.035 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

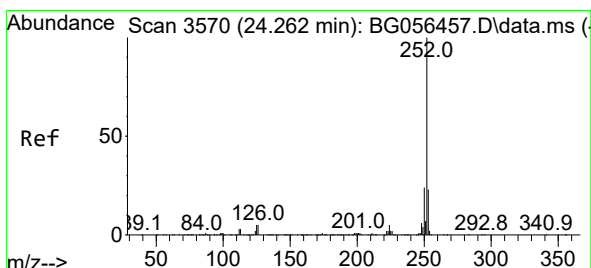
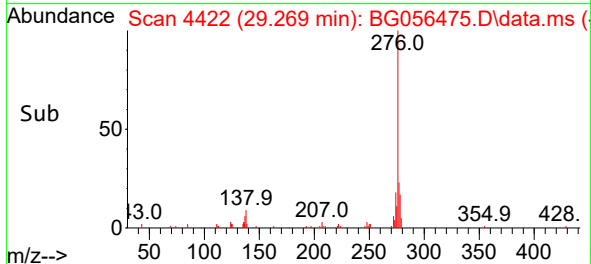
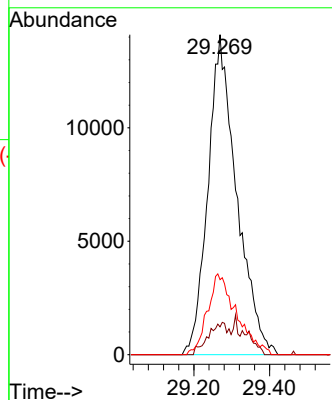
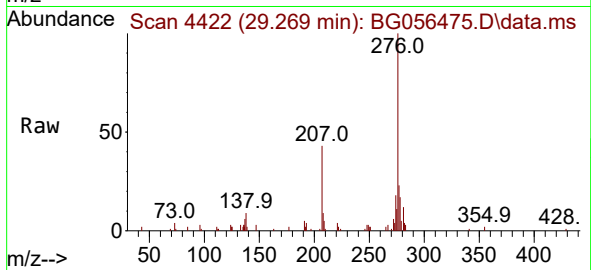
Tgt Ion:276 Resp: 74038

Ion Ratio Lower Upper

276 100

138 7.3 9.4 14.2#

277 25.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.930 ng

RT: 24.316 min Scan# 3579

Delta R.T. 0.053 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

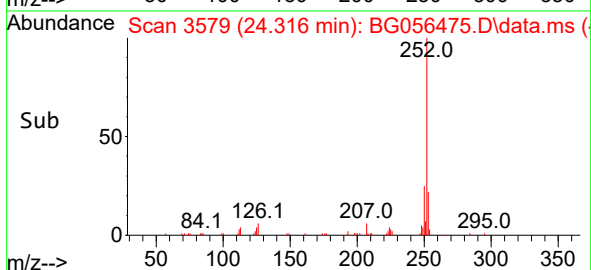
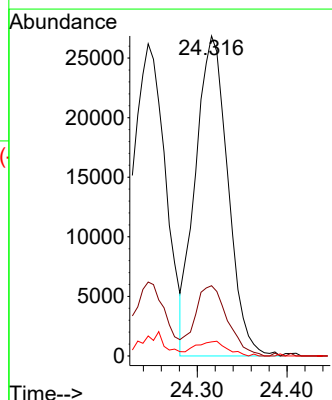
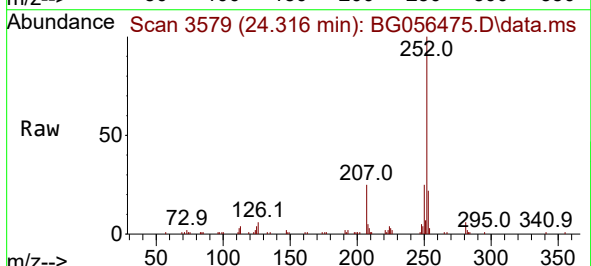
Tgt Ion:252 Resp: 67544

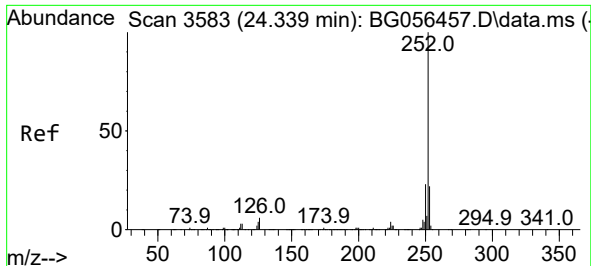
Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

125 4.4 3.9 5.9

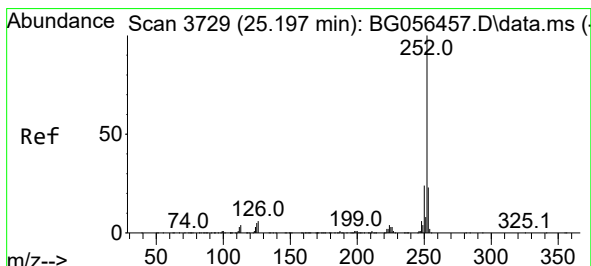
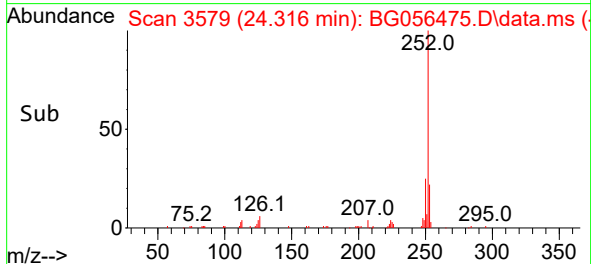
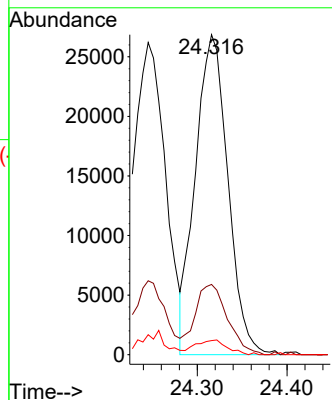
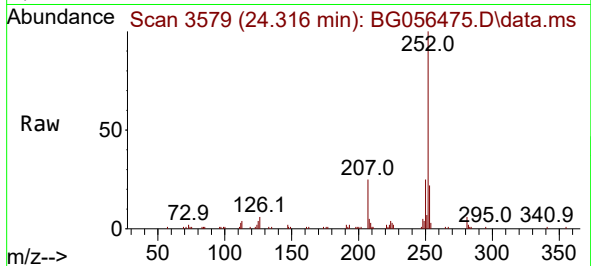




#89
Benzo(k)fluoranthene
Concen: 3.893 ng
RT: 24.316 min Scan# 31
Delta R.T. -0.023 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

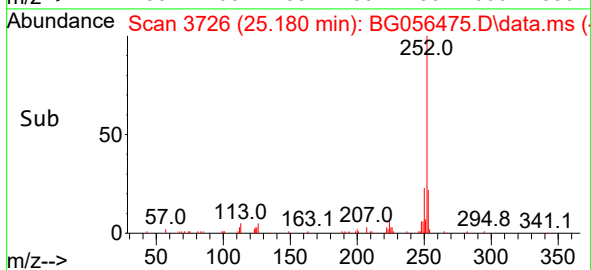
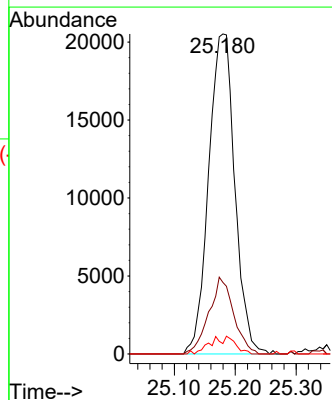
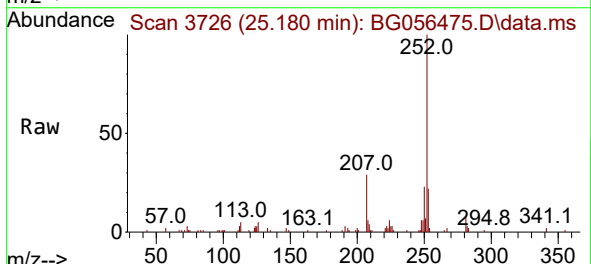
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

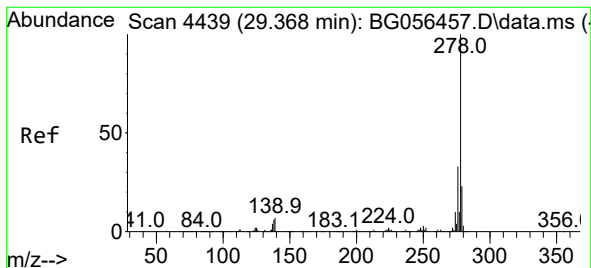
Tgt Ion:252 Resp: 67544
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 4.4 3.4 5.0



#90
Benzo(a)pyrene
Concen: 3.611 ng
RT: 25.180 min Scan# 3726
Delta R.T. -0.017 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:252 Resp: 61135
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 3.3 4.1 6.1#





#91

Dibenzo(a,h)anthracene

Concen: 3.844 ng

RT: 29.328 min Scan# 4432

Delta R.T. -0.040 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

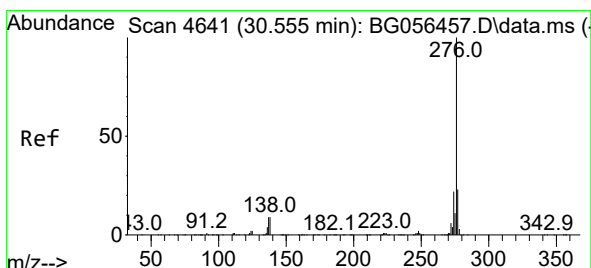
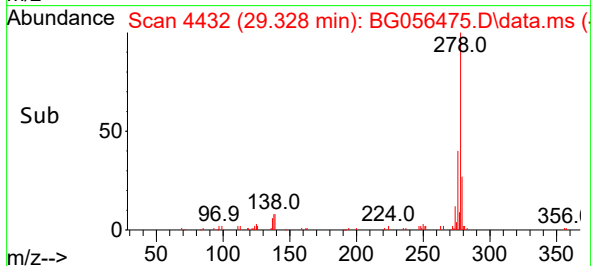
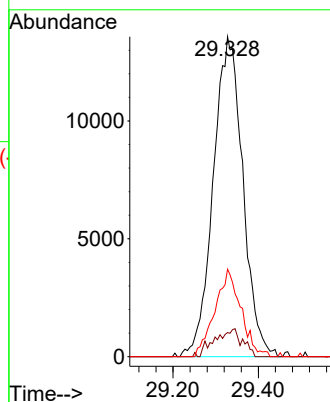
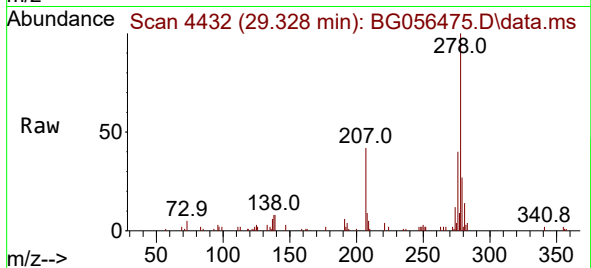
Tgt Ion:278 Resp: 65399

Ion Ratio Lower Upper

278 100

139 7.5 5.5 8.3

279 27.3 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 3.809 ng

RT: 30.503 min Scan# 4632

Delta R.T. -0.052 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Tgt Ion:276 Resp: 62535

Ion Ratio Lower Upper

276 100

277 26.7 18.5 27.7

138 8.8 7.4 11.0

