

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055475.D
 Acq On : 5 Nov 2022 18:13
 Operator : CG/JU
 Sample : N5451-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103MS

Quant Time: Nov 07 00:57:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 07 00:51:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.229	152	30160	20.000	ng	0.00
21) Naphthalene-d8	11.055	136	123761	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	82926	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	185089	20.000	ng	0.00
76) Chrysene-d12	21.854	240	188491	20.000	ng	0.00
86) Perylene-d12	25.221	264	209291	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	191453	113.999	ng	0.01
7) Phenol-d6	7.383	99	247650	106.336	ng	0.00
23) Nitrobenzene-d5	9.404	82	137975	59.416	ng	0.00
42) 2,4,6-Tribromophenol	16.331	330	121780	107.662	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	321232	57.434	ng	0.00
79) Terphenyl-d14	20.150	244	511450	52.763	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.552	88	30656	40.245	ng	94
3) Pyridine	3.981	79	83374	36.881	ng	98
4) n-Nitrosodimethylamine	3.887	42	39600	44.341	ng	99
6) Aniline	7.547	93	125103	41.416	ng	99
8) 2-Chlorophenol	7.794	128	99256	48.643	ng	98
9) Benzaldehyde	7.359	77	62689	45.785	ng	97
10) Phenol	7.412	94	123520	46.858	ng	99
11) bis(2-Chloroethyl)ether	7.635	93	82930	42.050	ng	98
12) 1,3-Dichlorobenzene	8.117	146	107498	46.478	ng	98
13) 1,4-Dichlorobenzene	8.264	146	109266	46.385	ng	98
14) 1,2-Dichlorobenzene	8.587	146	104700	46.435	ng	99
15) Benzyl Alcohol	8.470	79	82978	44.673	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.752	45	103606	39.486	ng	99
17) 2-Methylphenol	8.675	107	84645	44.628	ng	98
18) Hexachloroethane	9.322	117	37145	46.223	ng	95
19) n-Nitroso-di-n-propyla...	9.034	70	69245	38.050	ng	96
20) 3+4-Methylphenols	9.004	107	125294	46.493	ng	99
22) Acetophenone	9.057	105	141157	43.515	ng	# 99
24) Nitrobenzene	9.451	77	103594	42.788	ng	95
25) Isophorone	9.968	82	190170	41.350	ng	99
26) 2-Nitrophenol	10.162	139	57033	45.749	ng	98
27) 2,4-Dimethylphenol	10.215	122	93006	53.207	ng	97
28) bis(2-Chloroethoxy)met...	10.444	93	112876	46.080	ng	98
29) 2,4-Dichlorophenol	10.708	162	100506	47.135	ng	97
30) 1,2,4-Trichlorobenzene	10.914	180	104583	45.294	ng	100
31) Naphthalene	11.108	128	299472	42.978	ng	99
32) Benzoic acid	10.367	122	34333	35.382	ng	92
33) 4-Chloroaniline	11.213	127	102962	35.561	ng	98
34) Hexachlorobutadiene	11.378	225	64972	45.269	ng	99
35) Caprolactam	12.001	113	31581	40.002	ng	97
36) 4-Chloro-3-methylphenol	12.324	107	101494	43.471	ng	99
37) 2-Methylnaphthalene	12.694	142	215010	42.008	ng	99
38) 1-Methylnaphthalene	12.911	142	201809	40.425	ng	99
40) 1,2,4,5-Tetrachloroben...	13.058	216	118950	48.558	ng	99
41) Hexachlorocyclopentadiene	13.029	237	119283	100.248	ng	96
43) 2,4,6-Trichlorophenol	13.293	196	82332	48.264	ng	95

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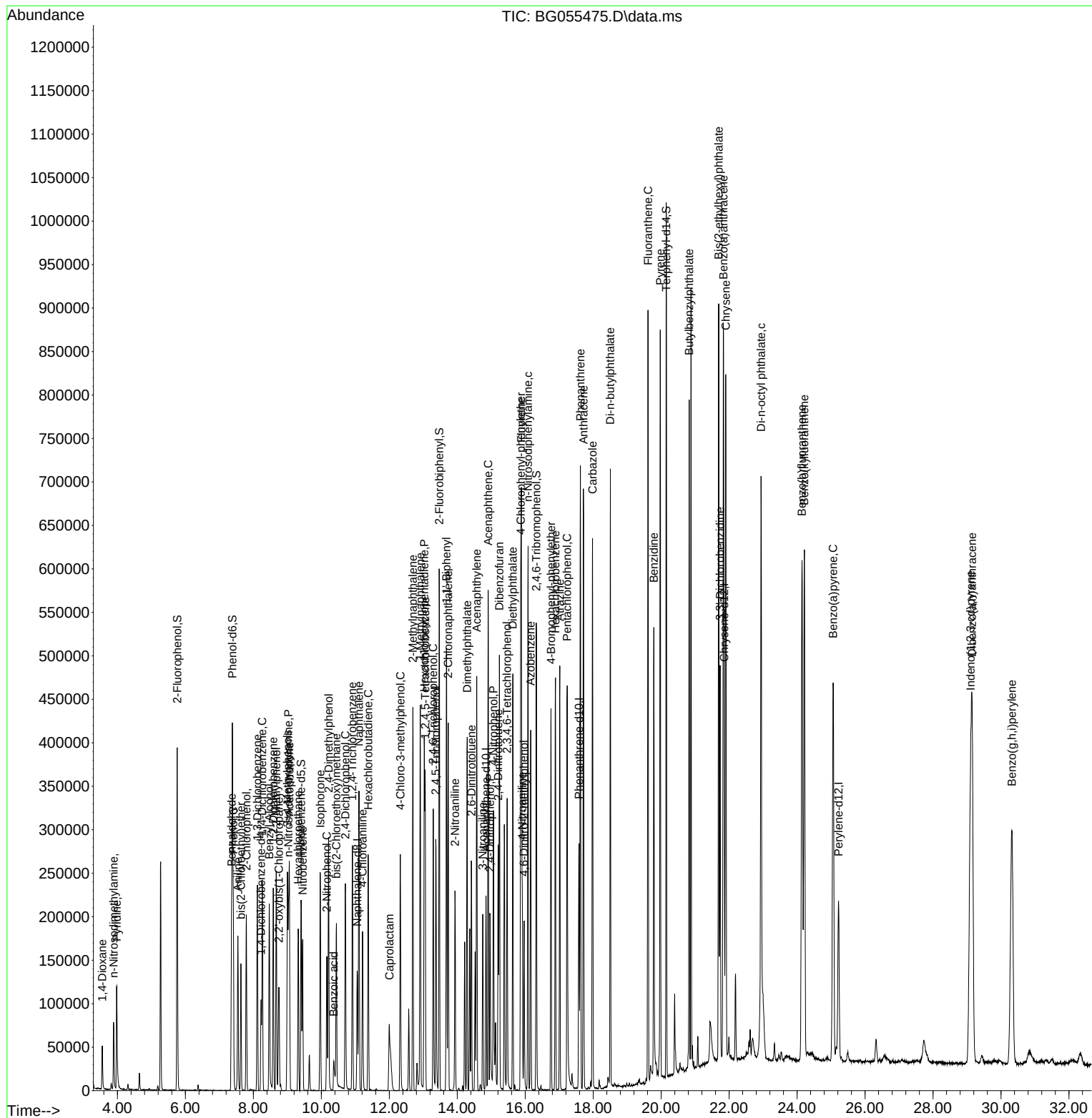
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.370	196	87953	46.288	ng	98
46) 1,1'-Biphenyl	13.681	154	284017	46.545	ng	99
47) 2-Chloronaphthalene	13.734	162	224460	45.779	ng	99
48) 2-Nitroaniline	13.934	65	63166	41.943	ng	96
49) Acenaphthylene	14.574	152	356125	44.234	ng	99
50) Dimethylphthalate	14.292	163	284113	41.045	ng	99
51) 2,6-Dinitrotoluene	14.416	165	62237	42.948	ng	96
52) Acenaphthene	14.909	154	207548	43.315	ng	99
53) 3-Nitroaniline	14.750	138	59584	36.584	ng	98
54) 2,4-Dinitrophenol	14.968	184	62934	72.378	ng	97
55) Dibenzofuran	15.238	168	346532	43.692	ng	99
56) 4-Nitrophenol	15.068	139	103779	92.929	ng	97
57) 2,4-Dinitrotoluene	15.203	165	89759	43.319	ng	96
58) Fluorene	15.884	166	275405	42.745	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.467	232	79174	46.341	ng	97
60) Diethylphthalate	15.638	149	286476	39.825	ng	99
61) 4-Chlorophenyl-phenyle...	15.867	204	146032	43.840	ng	98
62) 4-Nitroaniline	15.914	138	71452	41.466	ng	97
63) Azobenzene	16.161	77	243235	40.677	ng	98
65) 4,6-Dinitro-2-methylph...	15.967	198	54688	45.870	ng	98
66) n-Nitrosodiphenylamine	16.084	169	246203	44.741	ng	100
67) 4-Bromophenyl-phenylether	16.760	248	99838	45.631	ng	99
68) Hexachlorobenzene	16.889	284	114019	45.697	ng	94
69) Atrazine	17.018	200	98035	53.066	ng	100
70) Pentachlorophenol	17.236	266	116716	89.716	ng	99
71) Phenanthrene	17.624	178	455828	43.783	ng	99
72) Anthracene	17.712	178	462935	45.365	ng	100
73) Carbazole	17.982	167	436757	46.002	ng	99
74) Di-n-butylphthalate	18.505	149	512971	43.260	ng	100
75) Fluoranthene	19.615	202	555488	44.358	ng	99
77) Benzidine	19.786	184	334829	85.323	ng	100
78) Pyrene	19.974	202	565489	42.527	ng	99
80) Butylbenzylphthalate	20.826	149	237714	42.879	ng	100
81) Benzo(a)anthracene	21.830	228	564563	43.632	ng	99
82) 3,3'-Dichlorobenzidine	21.736	252	181247	40.848	ng	98
83) Chrysene	21.901	228	530529	42.977	ng	99
84) Bis(2-ethylhexyl)phtha...	21.695	149	408461	50.686	ng	99
85) Di-n-octyl phthalate	22.941	149	597638	43.283	ng	98
87) Indeno(1,2,3-cd)pyrene	29.110	276	720204	42.860	ng	99
88) Benzo(b)fluoranthene	24.145	252	611652	46.009	ng	99
89) Benzo(k)fluoranthene	24.216	252	583084	43.645	ng	98
90) Benzo(a)pyrene	25.062	252	542116	47.161	ng	99
91) Dibenzo(a,h)anthracene	29.151	278	605273	43.659	ng	98
92) Benzo(g,h,i)perylene	30.320	276	605647	43.925	ng	99

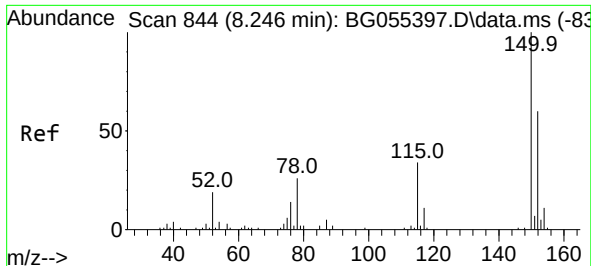
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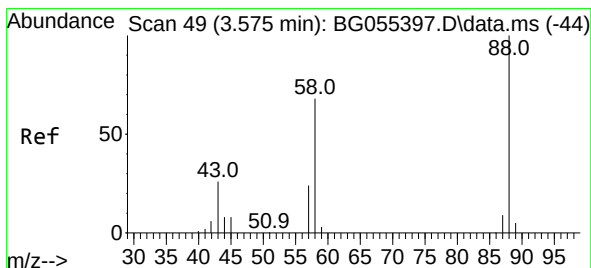
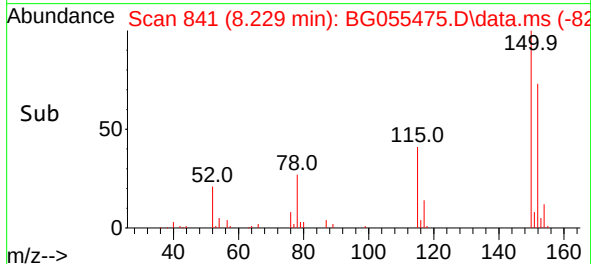
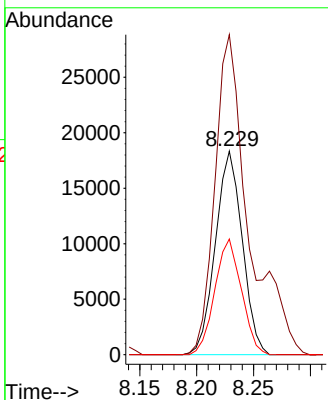
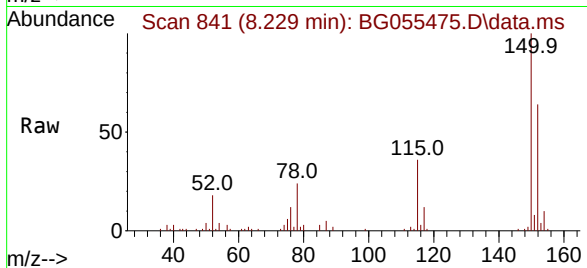




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.229 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

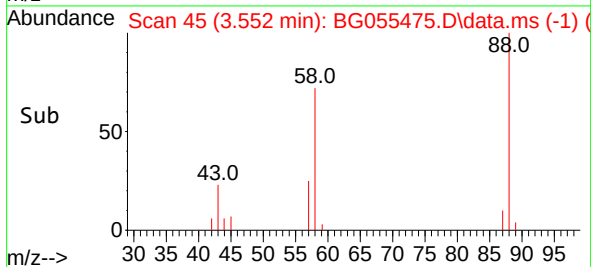
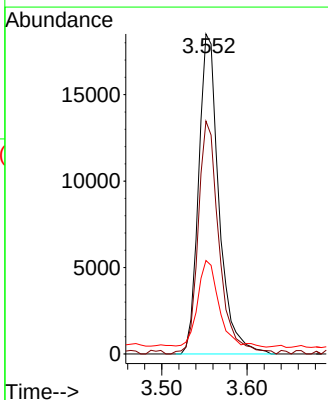
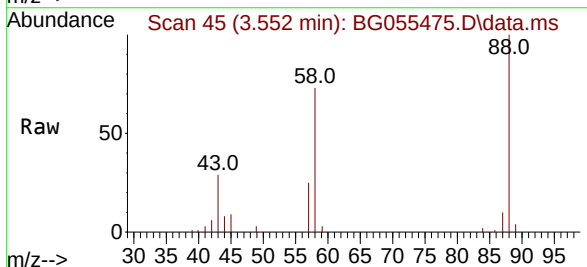
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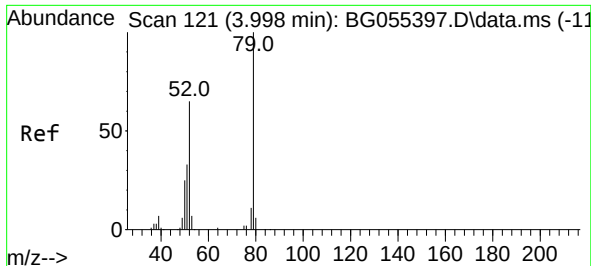
Tgt Ion:152 Resp: 30160
Ion Ratio Lower Upper
152 100
150 157.2 132.8 199.2
115 56.8 45.1 67.7



#2
1,4-Dioxane
Concen: 40.245 ng
RT: 3.552 min Scan# 45
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion: 88 Resp: 30656
Ion Ratio Lower Upper
88 100
58 74.7 55.7 83.5
43 28.5 20.7 31.1

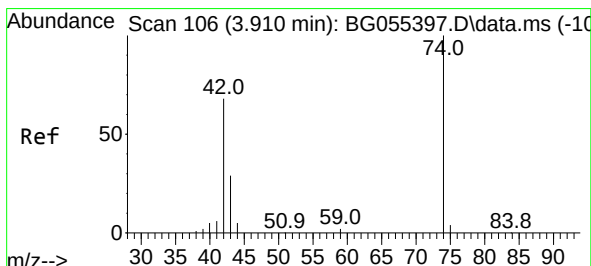
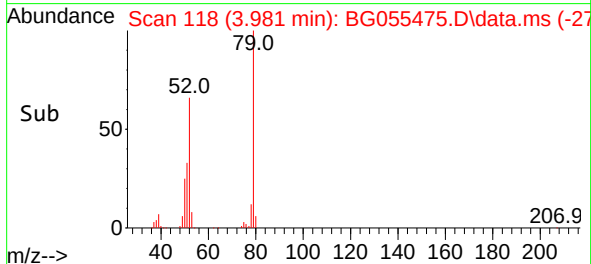
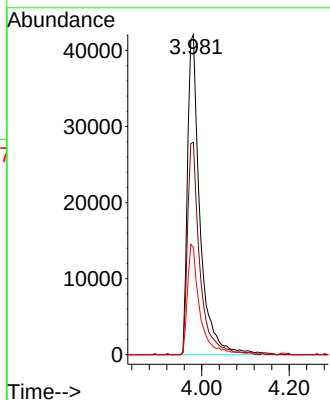
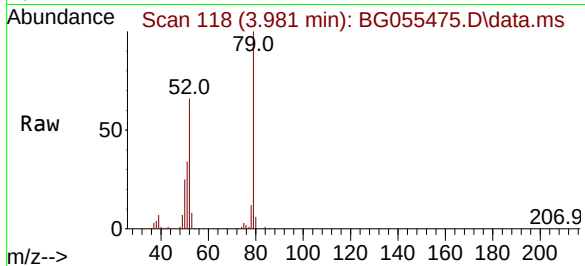




#3
Pyridine
Concen: 36.881 ng
RT: 3.981 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

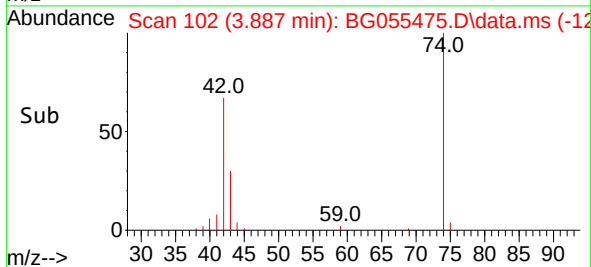
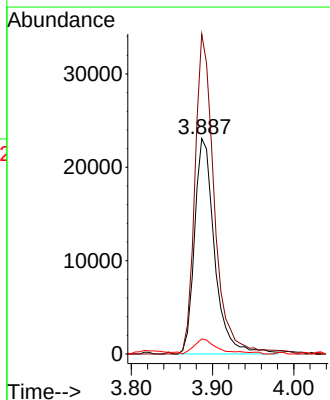
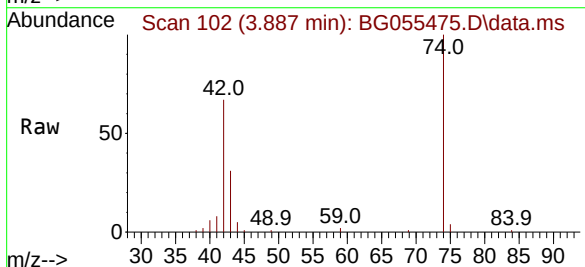
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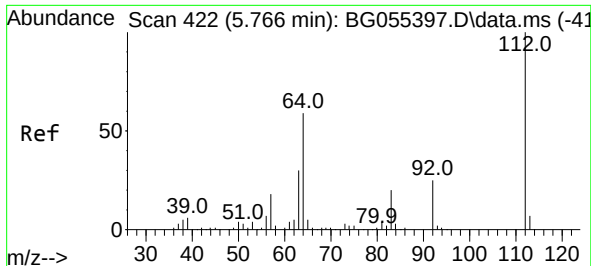
Tgt Ion: 79 Resp: 83374
Ion Ratio Lower Upper
79 100
52 66.4 51.8 77.6
51 33.5 26.6 40.0



#4
n-Nitrosodimethylamine
Concen: 44.341 ng
RT: 3.887 min Scan# 102
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion: 42 Resp: 39600
Ion Ratio Lower Upper
42 100
74 148.6 118.1 177.1
44 7.0 5.4 8.0

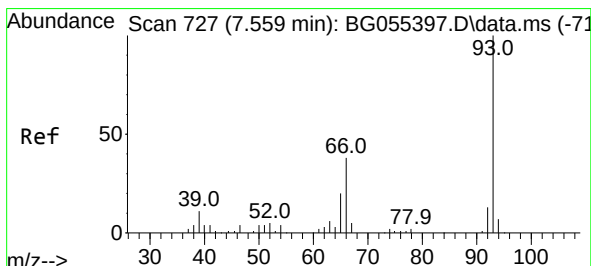
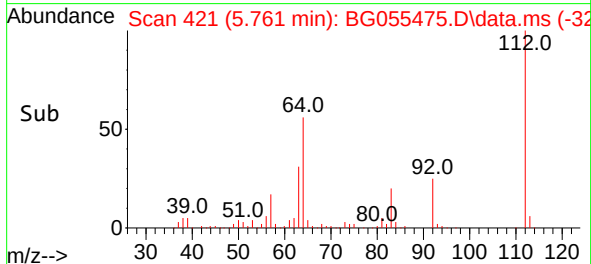
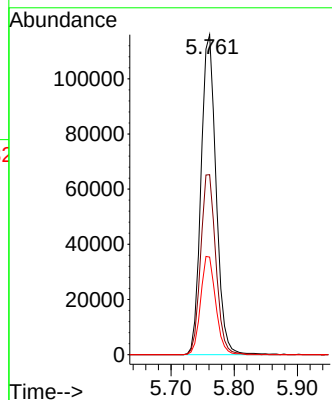
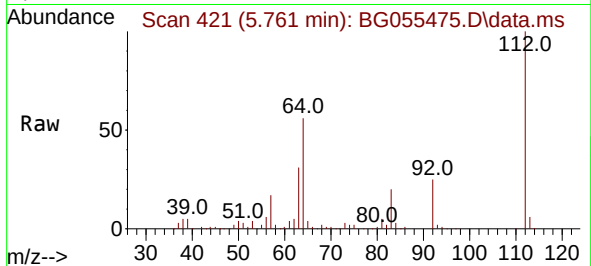




#5
2-Fluorophenol
Concen: 113.999 ng
RT: 5.761 min Scan# 41
Delta R.T. 0.011 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

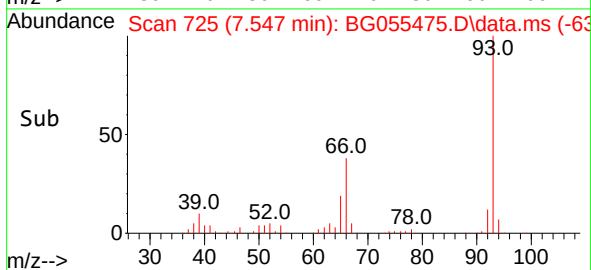
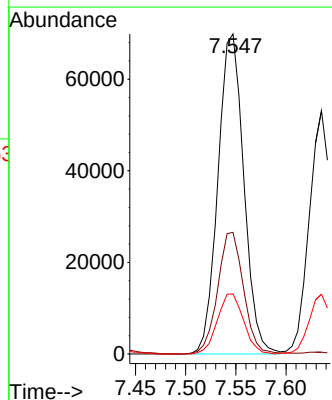
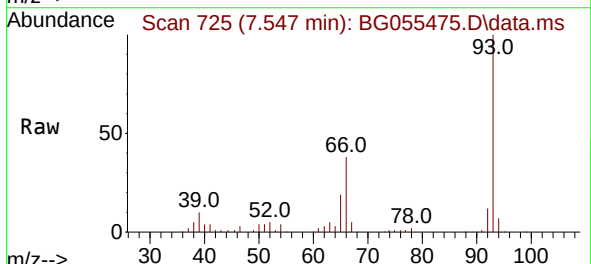
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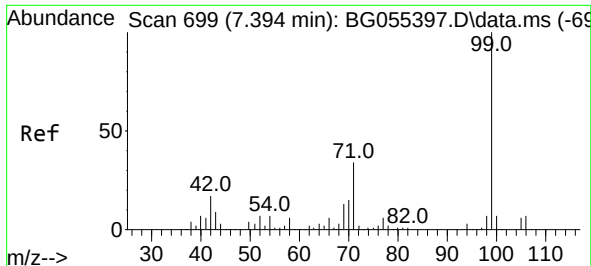
Tgt Ion:112 Resp: 191453
Ion Ratio Lower Upper
112 100
64 56.2 47.2 70.8
63 30.5 24.3 36.5



#6
Aniline
Concen: 41.416 ng
RT: 7.547 min Scan# 725
Delta R.T. 0.005 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion: 93 Resp: 125103
Ion Ratio Lower Upper
93 100
66 38.0 30.6 45.8
65 18.8 16.4 24.6

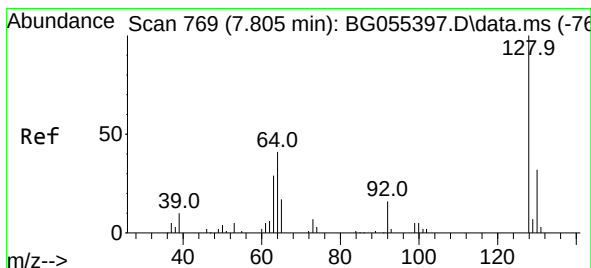
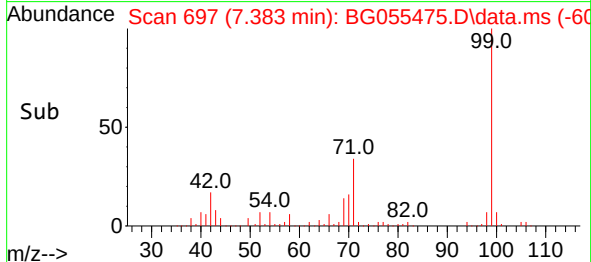
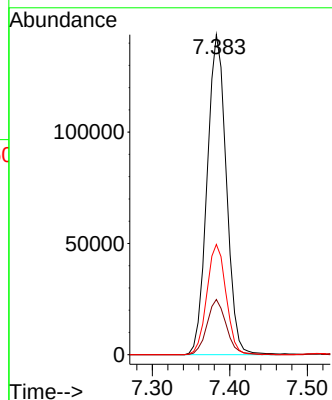
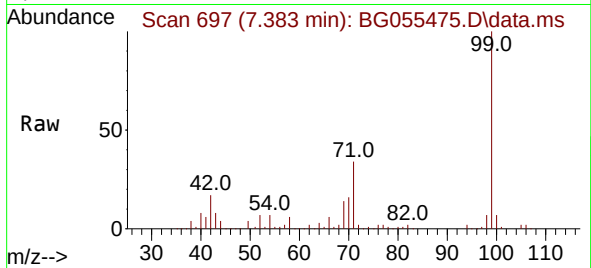




#7
Phenol-d6
Concen: 106.336 ng
RT: 7.383 min Scan# 697
Delta R.T. 0.005 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

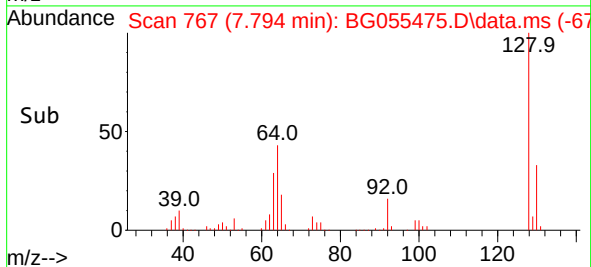
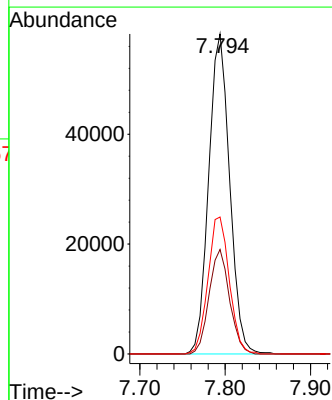
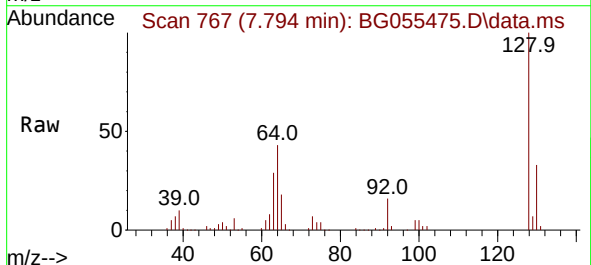
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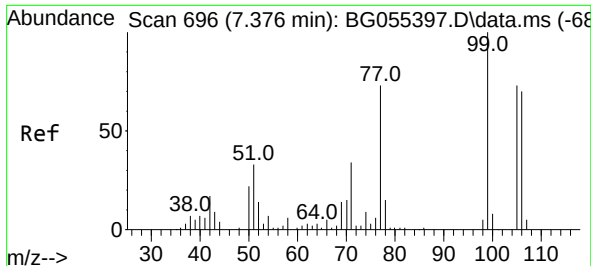
Tgt Ion: 99 Resp: 247650
Ion Ratio Lower Upper
99 100
42 17.2 13.5 20.3
71 34.4 27.4 41.0



#8
2-Chlorophenol
Concen: 48.643 ng
RT: 7.794 min Scan# 767
Delta R.T. 0.005 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion: 128 Resp: 99256
Ion Ratio Lower Upper
128 100
130 32.7 12.3 52.3
64 42.8 25.3 65.3

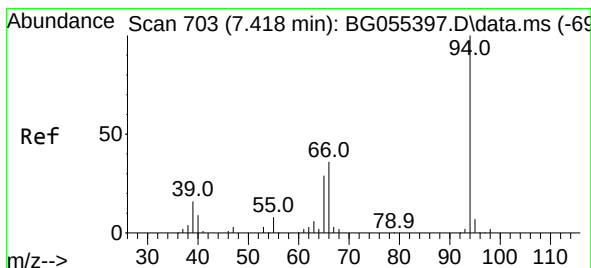
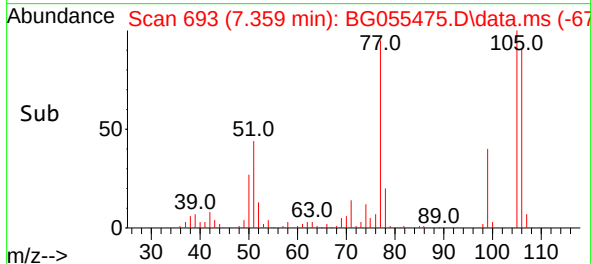
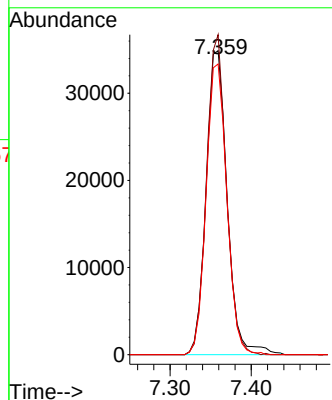
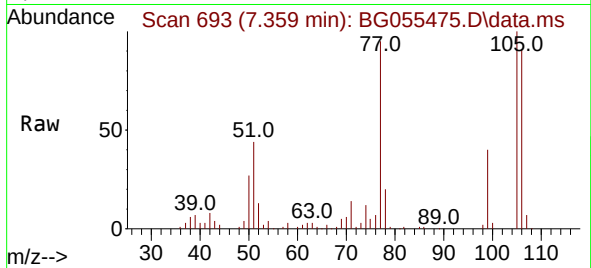




#9
Benzaldehyde
Concen: 45.785 ng
RT: 7.359 min Scan# 696
Delta R.T. -0.001 min
Lab File: BG055475.D
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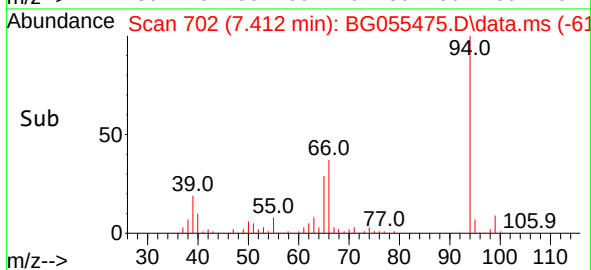
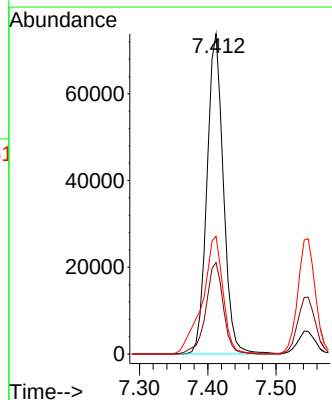
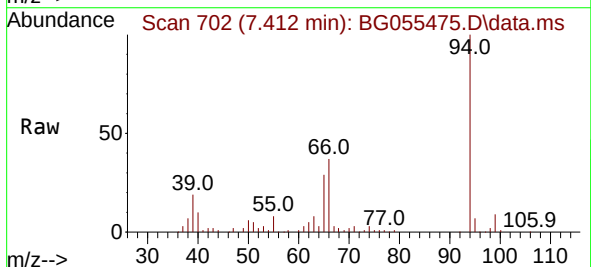
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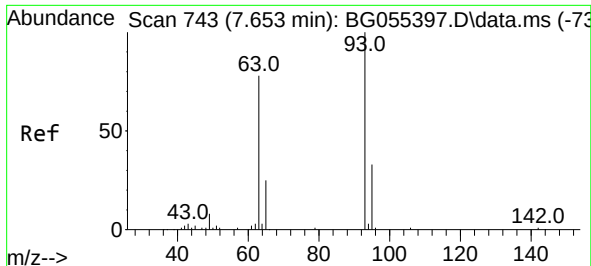
Tgt Ion: 77 Resp: 62689
Ion Ratio Lower Upper
77 100
105 105.2 79.7 119.7
106 95.6 75.4 115.4



#10
Phenol
Concen: 46.858 ng
RT: 7.412 min Scan# 702
Delta R.T. 0.005 min
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Tgt Ion: 94 Resp: 123520
Ion Ratio Lower Upper
94 100
65 28.6 9.0 49.0
66 36.7 17.6 57.6

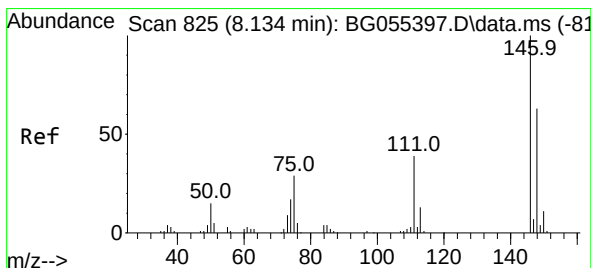
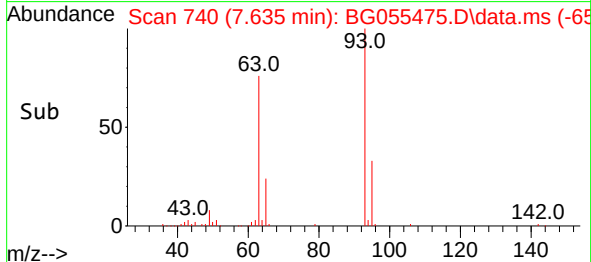
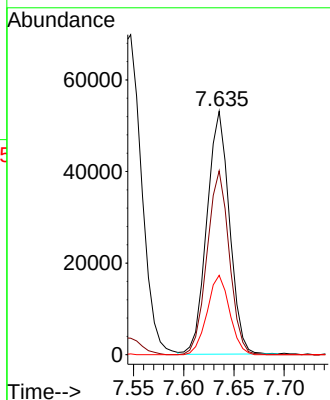
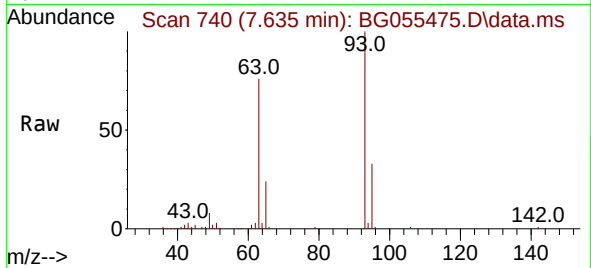




#11
bis(2-Chloroethyl)ether
Concen: 42.050 ng
RT: 7.635 min Scan# 743
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

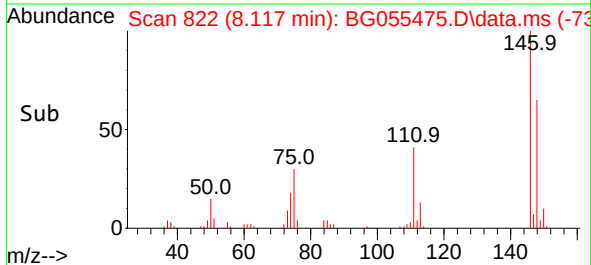
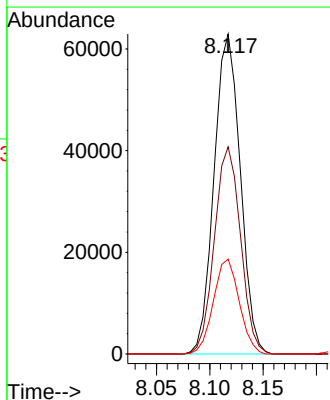
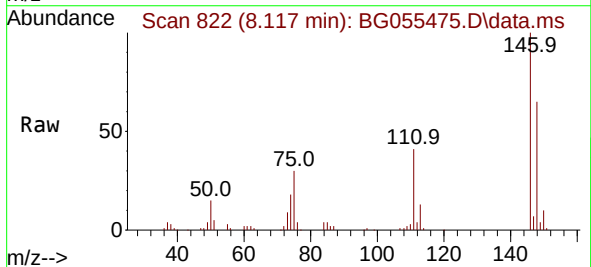
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

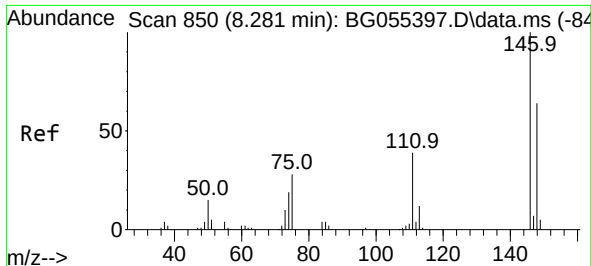
Tgt Ion: 93	Resp: 82930
Ion Ratio	Lower Upper
93 100	
63 75.5	57.4 97.4
95 32.6	12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 46.478 ng
RT: 8.117 min Scan# 822
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt	Ion:146	Resp:	107498
Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.6	75.8
75	29.7	22.8	34.2

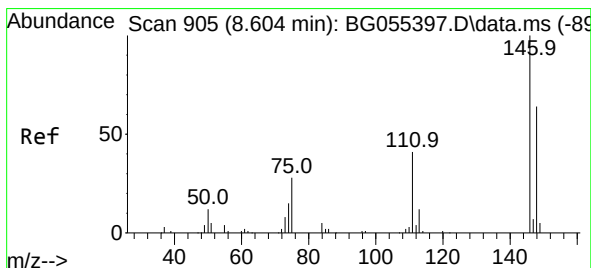
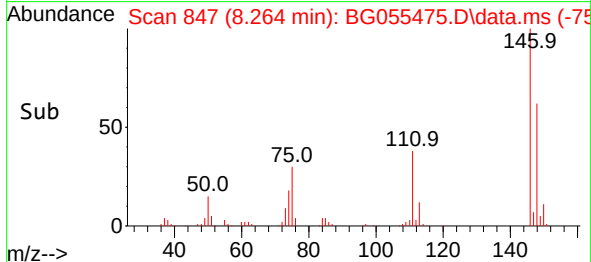
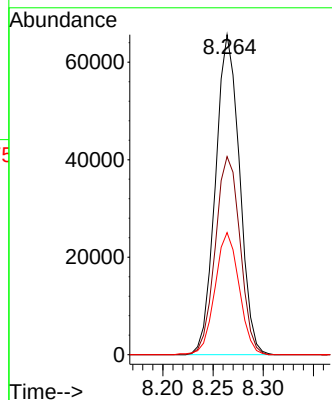
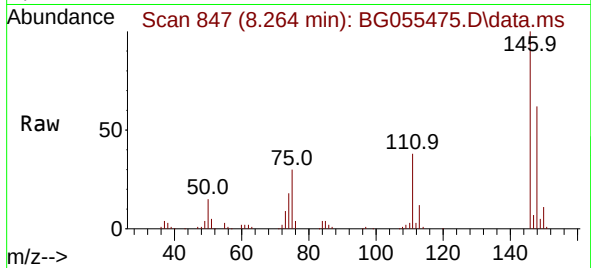




#13
1,4-Dichlorobenzene
Concen: 46.385 ng
RT: 8.264 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

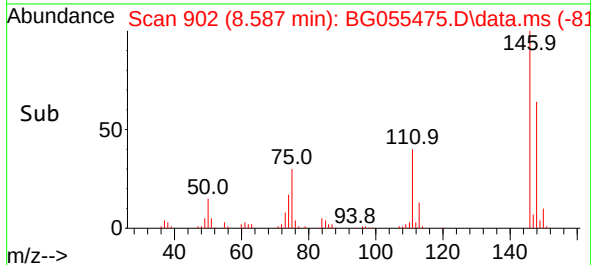
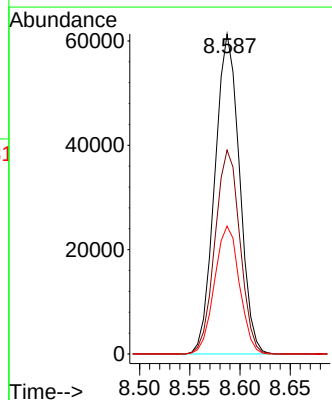
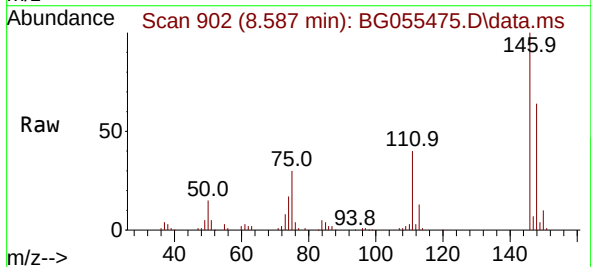
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

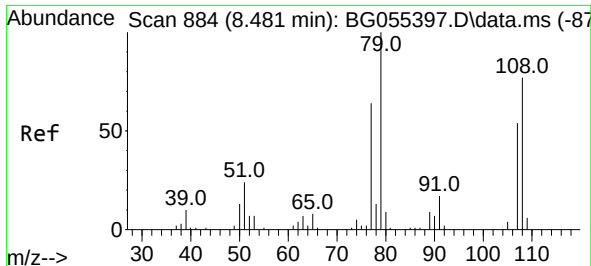
Tgt Ion:146 Resp: 109266
Ion Ratio Lower Upper
146 100
148 61.9 51.1 76.7
111 38.2 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 46.435 ng
RT: 8.587 min Scan# 902
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:146 Resp: 104700
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.2
111 40.0 33.2 49.8

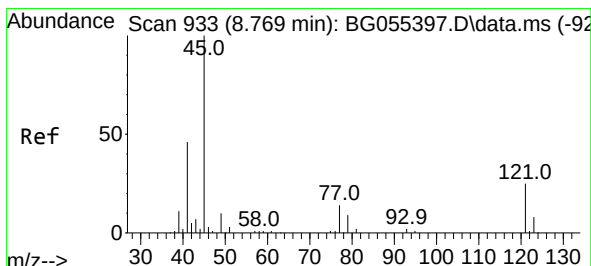
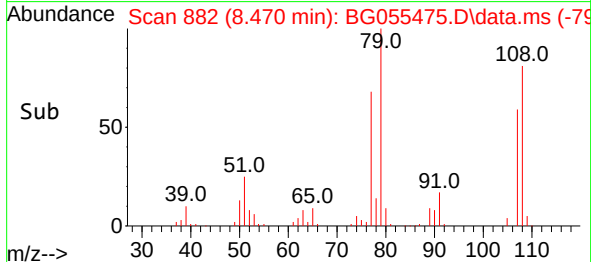
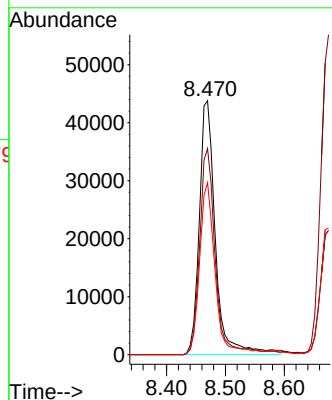
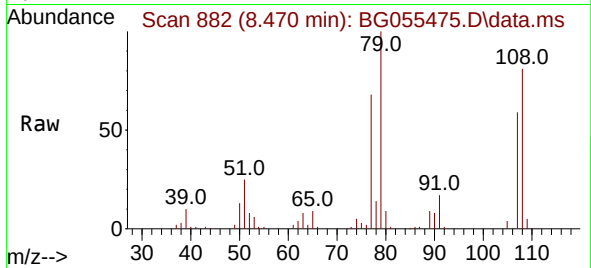




#15
Benzyl Alcohol
Concen: 44.673 ng
RT: 8.470 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

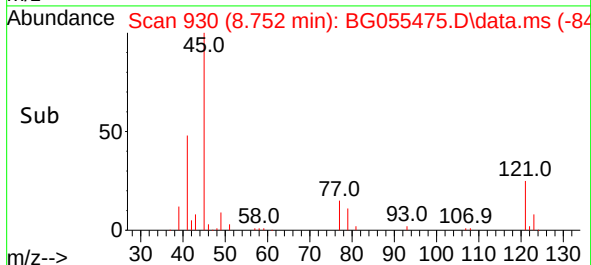
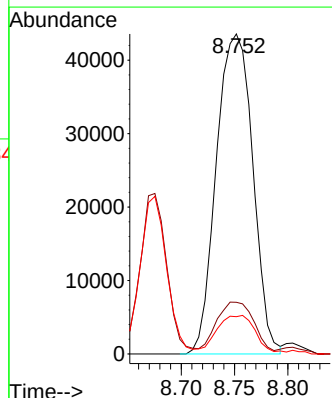
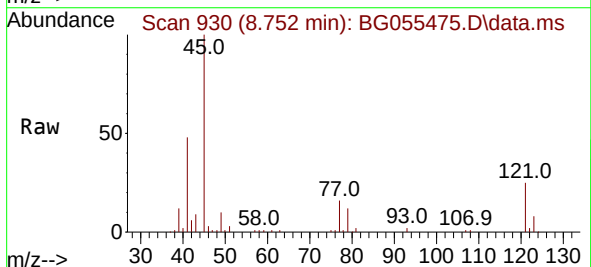
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

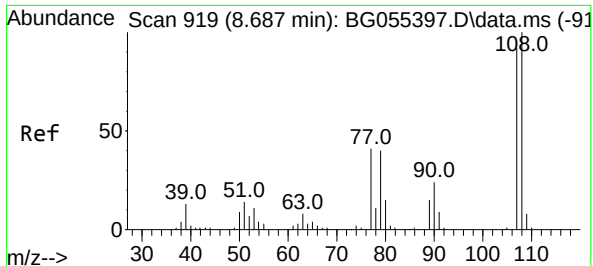
Tgt Ion: 79 Resp: 82978
Ion Ratio Lower Upper
79 100
108 81.1 61.6 92.4
77 67.7 51.4 77.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.486 ng
RT: 8.752 min Scan# 930
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion: 45 Resp: 103606
Ion Ratio Lower Upper
45 100
77 16.1 0.0 36.6
79 11.7 0.0 31.3

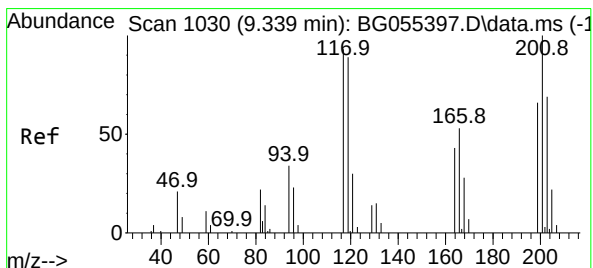
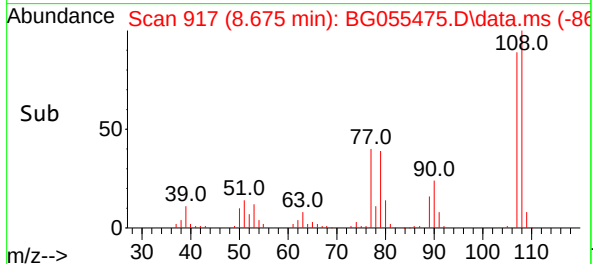
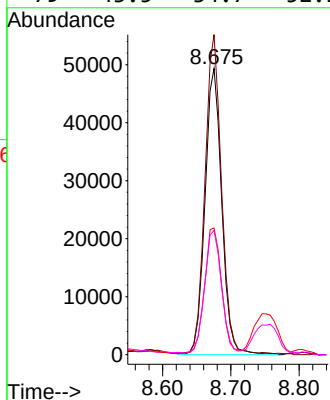
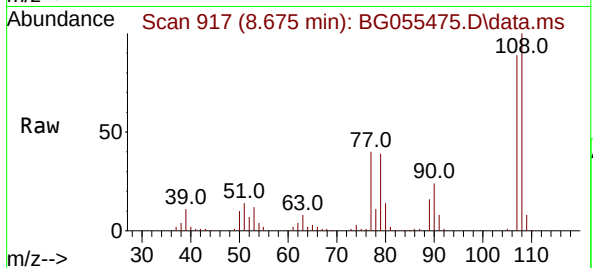




#17
2-Methylphenol
Concen: 44.628 ng
RT: 8.675 min Scan# 917
Delta R.T. 0.005 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

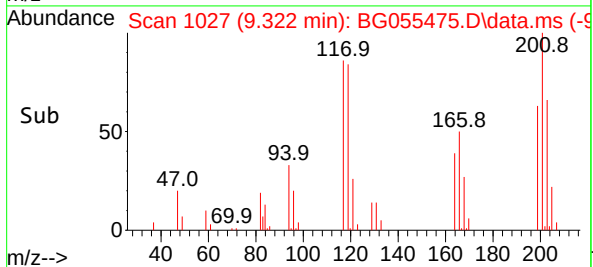
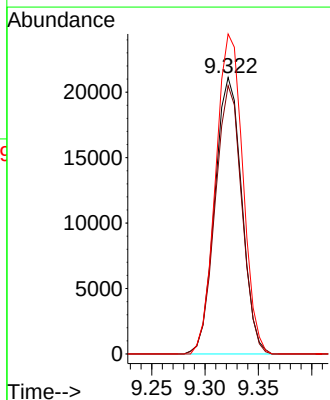
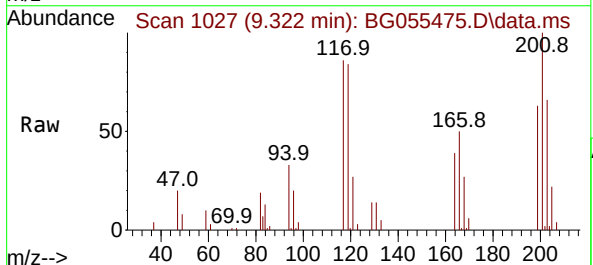
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

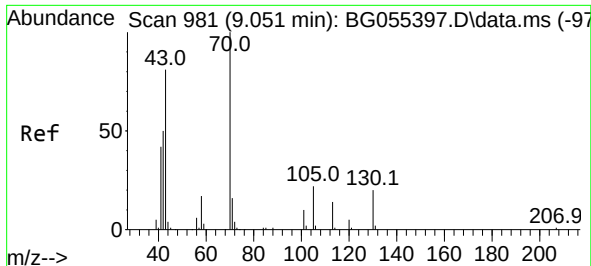
Tgt Ion:	107	Resp:	84645
Ion	Ratio	Lower	Upper
107	100		
108	111.8	86.9	130.3
77	44.3	36.1	54.1
79	43.5	34.7	52.1



#18
Hexachloroethane
Concen: 46.223 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:	117	Resp:	37145
Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.5	114.7
201	115.7	86.1	129.1

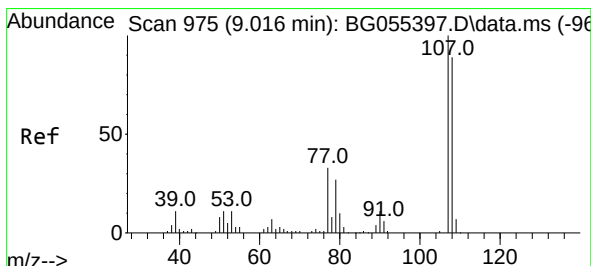
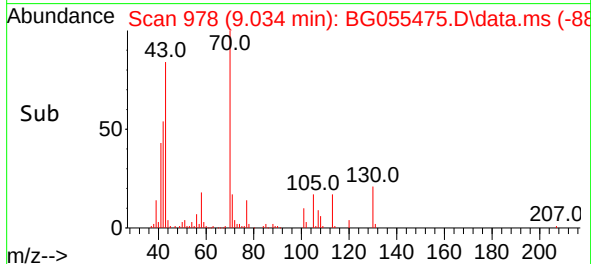
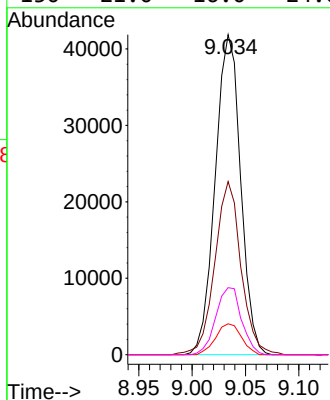
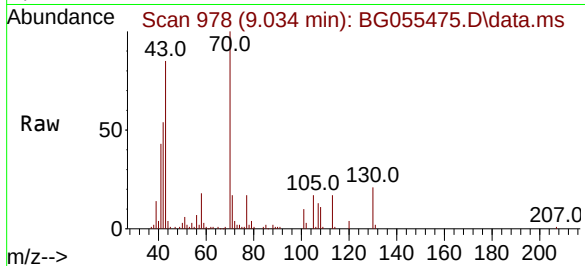




#19
n-Nitroso-di-n-propylamine
Concen: 38.050 ng
RT: 9.034 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

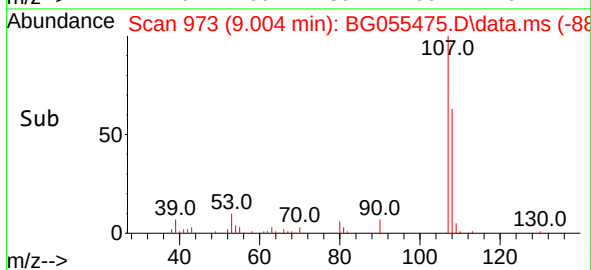
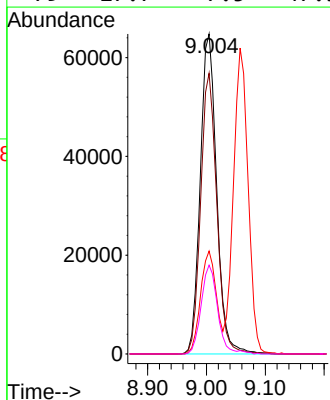
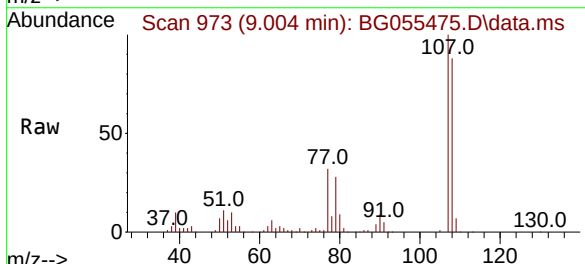
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

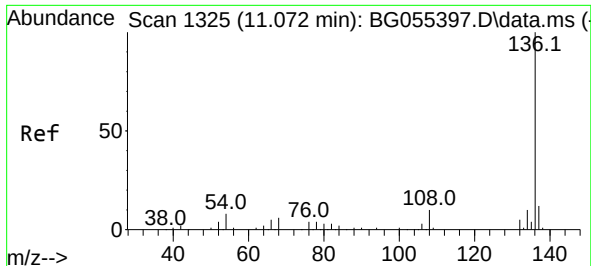
Tgt Ion: 70 Resp: 69245
Ion Ratio Lower Upper
70 100
42 54.1 40.6 61.0
101 9.7 7.8 11.6
130 21.0 16.0 24.0



#20
3+4-Methylphenols
Concen: 46.493 ng
RT: 9.004 min Scan# 973
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion: 107 Resp: 125294
Ion Ratio Lower Upper
107 100
108 87.7 69.1 109.1
77 32.2 12.8 52.8
79 27.7 7.5 47.5

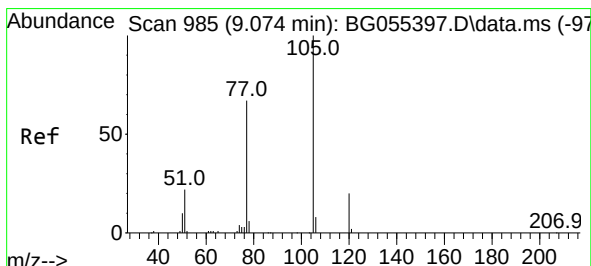
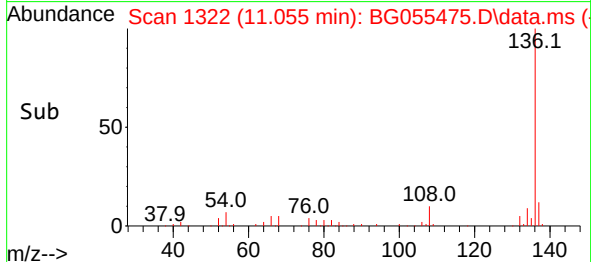
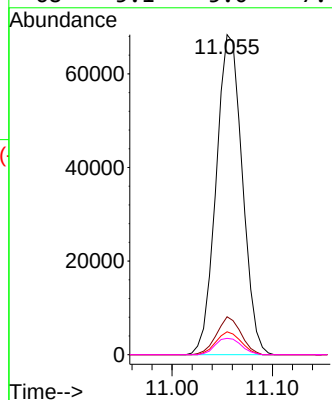
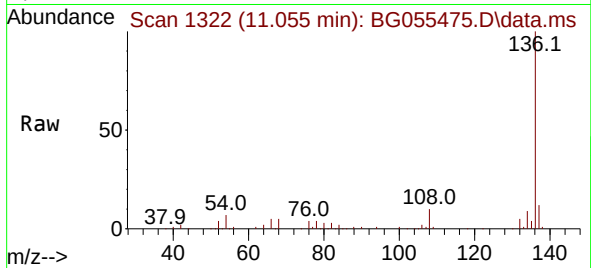




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.055 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

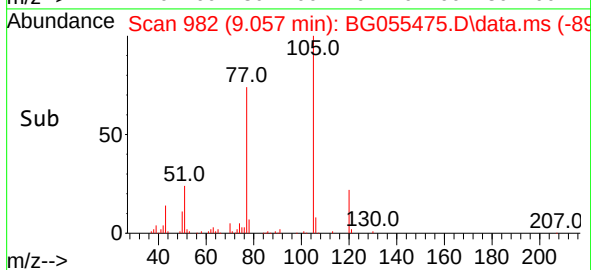
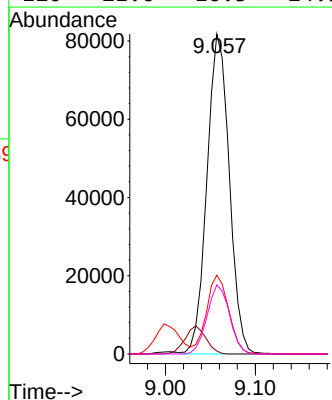
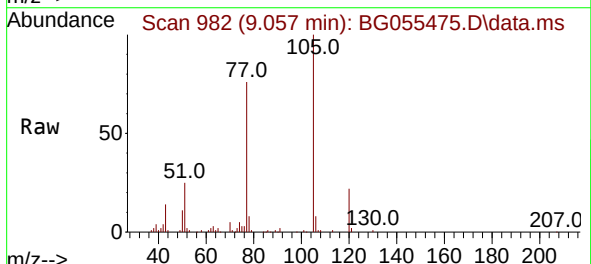
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

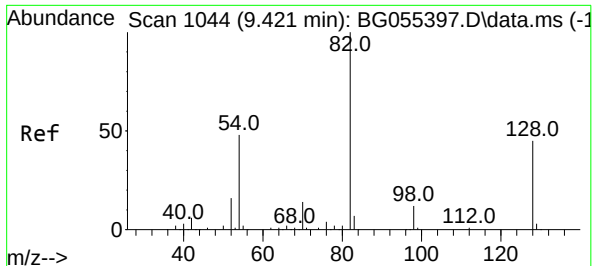
Tgt Ion:	136	Resp:	123761
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.4	14.2
54	7.1	6.1	9.1
68	5.1	5.0	7.4



#22
Acetophenone
Concen: 43.515 ng
RT: 9.057 min Scan# 982
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:	105	Resp:	141157
Ion Ratio	Lower	Upper	
105	100		
71	0.9	0.5	0.7#
51	24.6	19.6	29.4
120	21.6	16.3	24.5

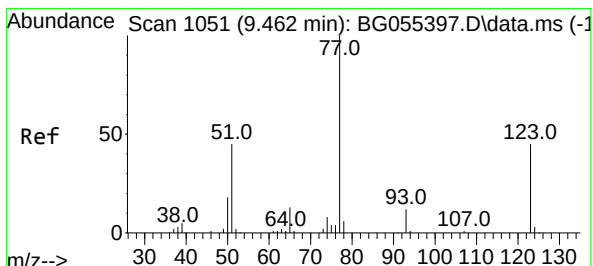
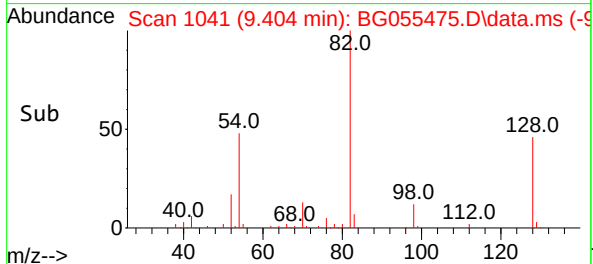
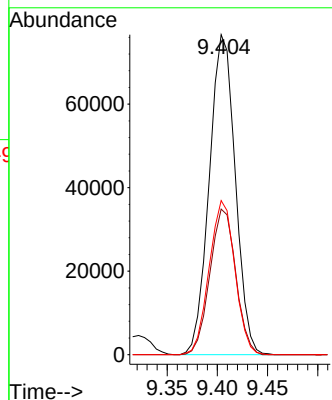
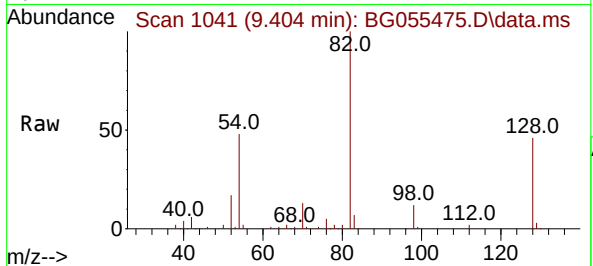




#23
Nitrobenzene-d5
Concen: 59.416 ng
RT: 9.404 min Scan# 1040
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

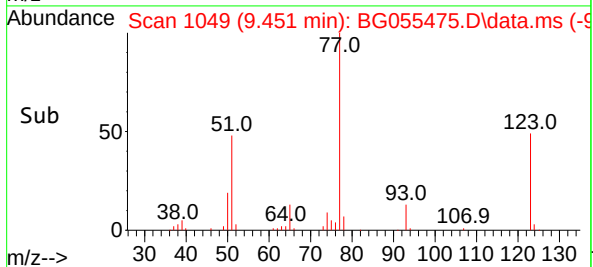
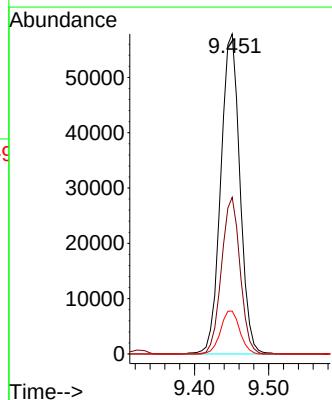
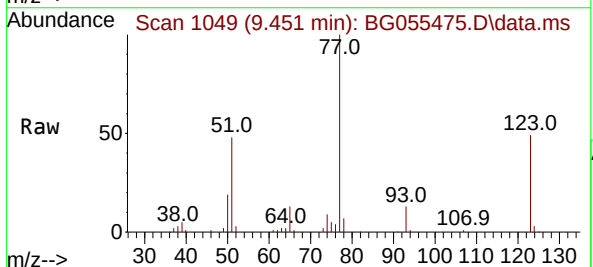
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

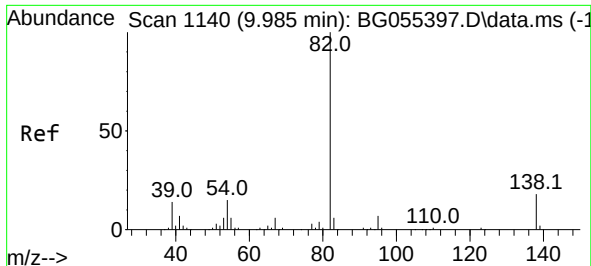
Tgt Ion: 82 Resp: 137975
Ion Ratio Lower Upper
82 100
128 45.5 35.8 53.8
54 48.2 38.1 57.1



#24
Nitrobenzene
Concen: 42.788 ng
RT: 9.451 min Scan# 1049
Delta R.T. 0.005 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion: 77 Resp: 103594
Ion Ratio Lower Upper
77 100
123 48.9 35.8 53.8
65 13.4 10.2 15.4

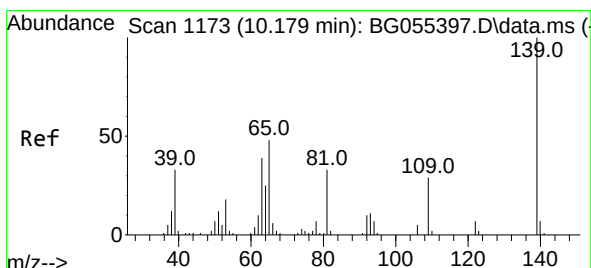
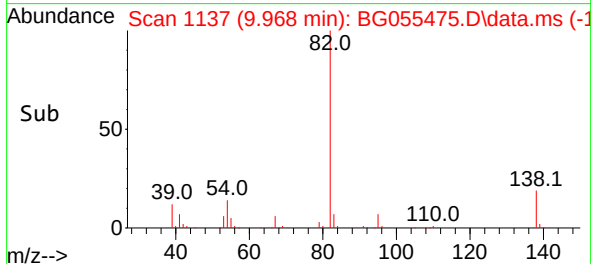
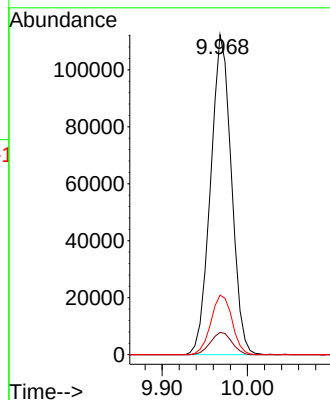
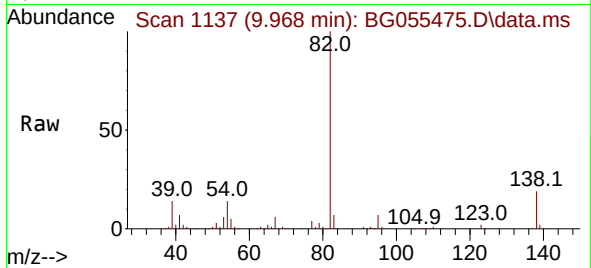




#25
Isophorone
Concen: 41.350 ng
RT: 9.968 min Scan# 1140
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

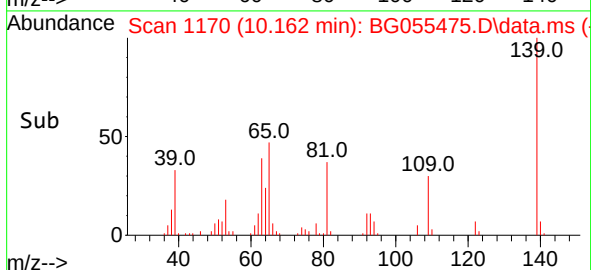
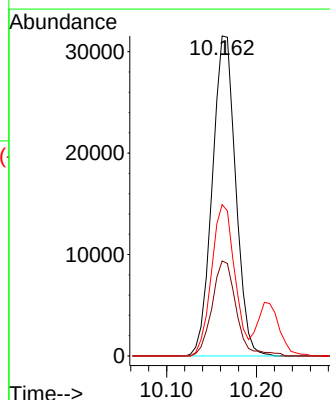
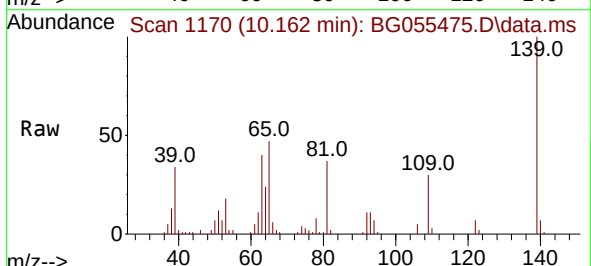
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

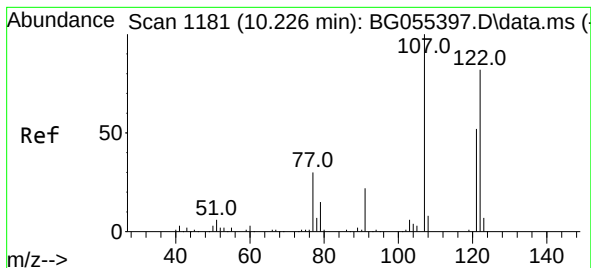
Tgt Ion: 82 Resp: 190170
Ion Ratio Lower Upper
82 100
95 7.0 6.0 9.0
138 18.6 14.6 21.8



#26
2-Nitrophenol
Concen: 45.749 ng
RT: 10.162 min Scan# 1170
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:139 Resp: 57033
Ion Ratio Lower Upper
139 100
109 29.7 22.9 34.3
65 47.3 38.7 58.1





#27

2,4-Dimethylphenol

Concen: 53.207 ng

RT: 10.215 min Scan# 1181

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MS

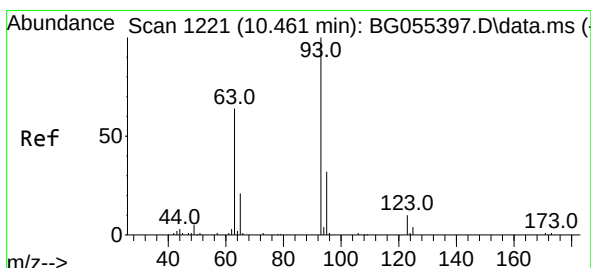
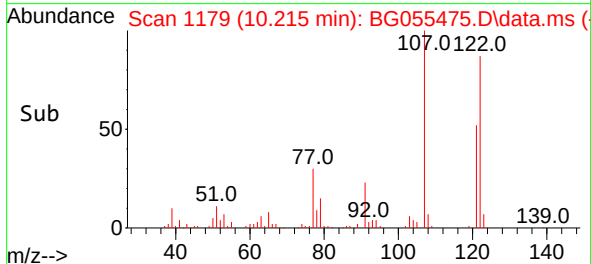
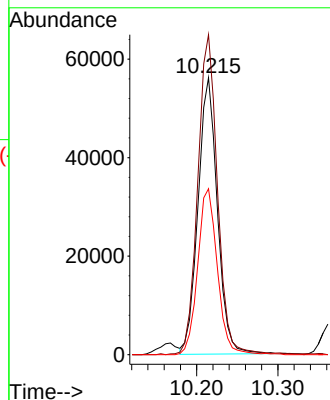
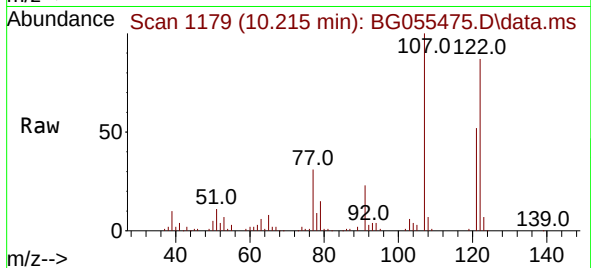
Tgt Ion:122 Resp: 93006

Ion Ratio Lower Upper

122 100

107 115.5 95.4 143.2

121 59.9 49.5 74.3



#28

bis(2-Chloroethoxy)methane

Concen: 46.080 ng

RT: 10.444 min Scan# 1218

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

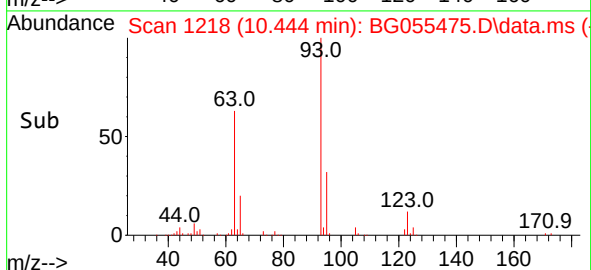
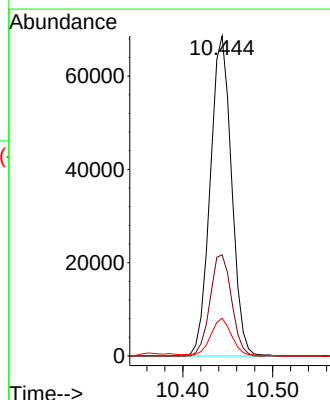
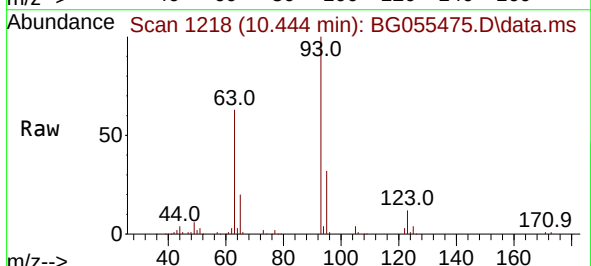
Tgt Ion: 93 Resp: 112876

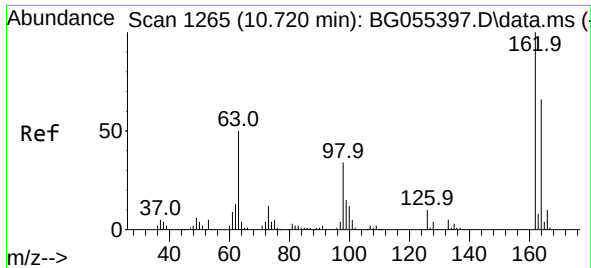
Ion Ratio Lower Upper

93 100

95 31.6 25.7 38.5

123 11.8 8.4 12.6

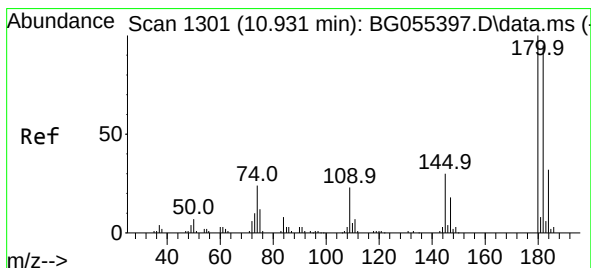
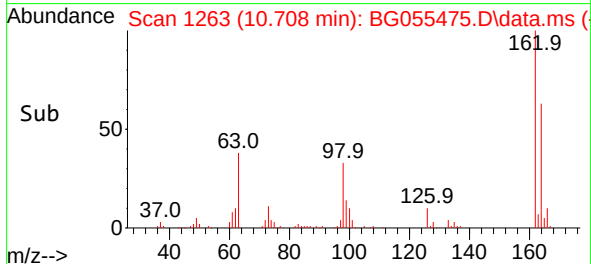
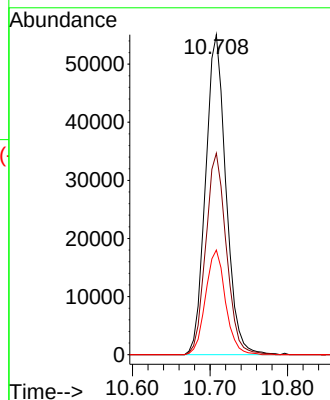
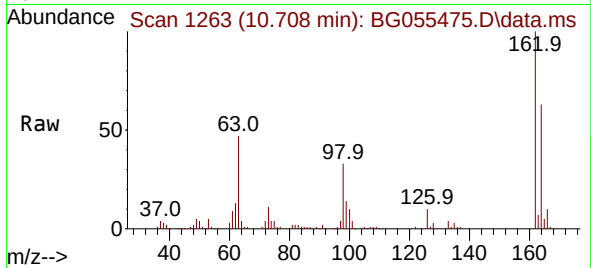




#29
2,4-Dichlorophenol
Concen: 47.135 ng
RT: 10.708 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

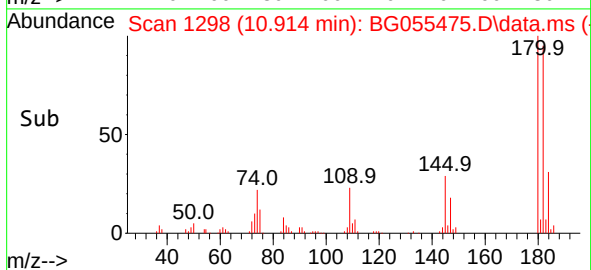
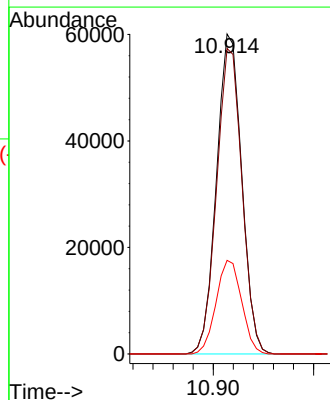
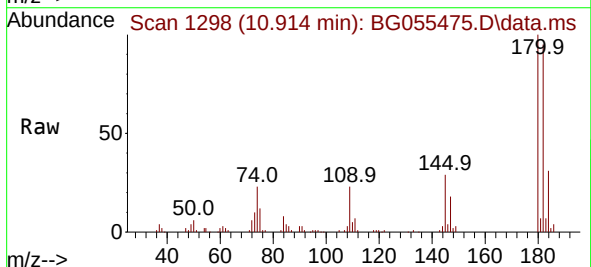
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

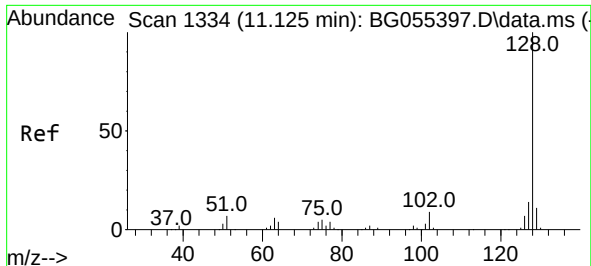
Tgt Ion:162 Resp: 100506
Ion Ratio Lower Upper
162 100
164 62.9 46.1 86.1
98 32.7 13.8 53.8



#30
1,2,4-Trichlorobenzene
Concen: 45.294 ng
RT: 10.914 min Scan# 1298
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

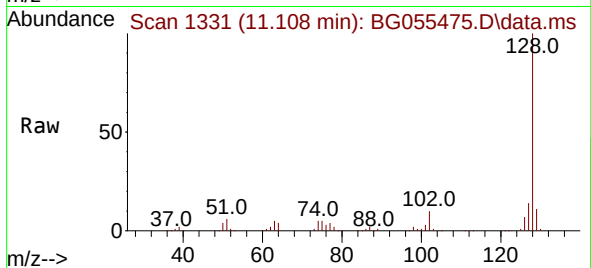
Tgt Ion:180 Resp: 104583
Ion Ratio Lower Upper
180 100
182 95.4 76.2 114.2
145 29.3 23.9 35.9



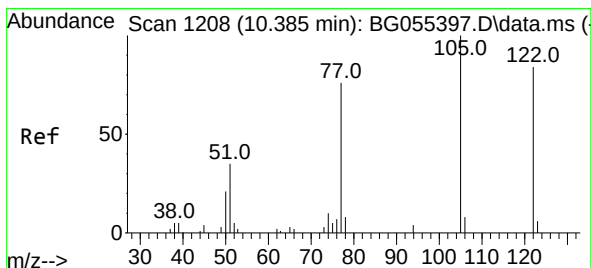
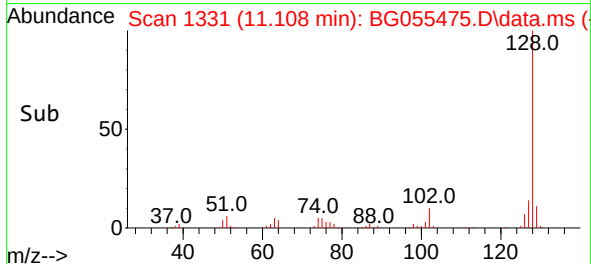
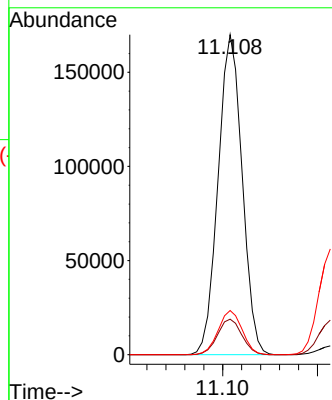


#31
Naphthalene
Concen: 42.978 ng
RT: 11.108 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

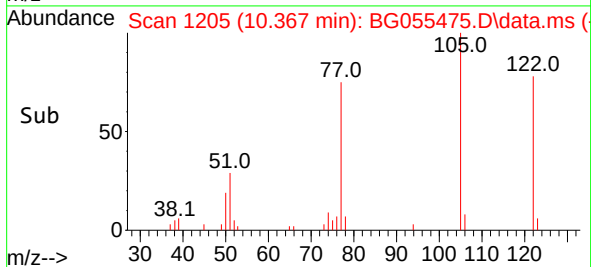
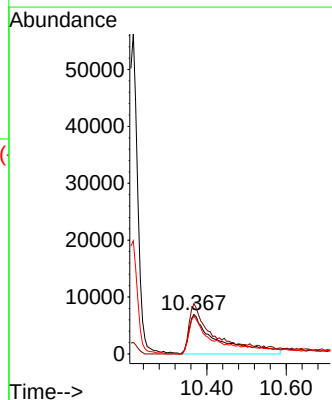
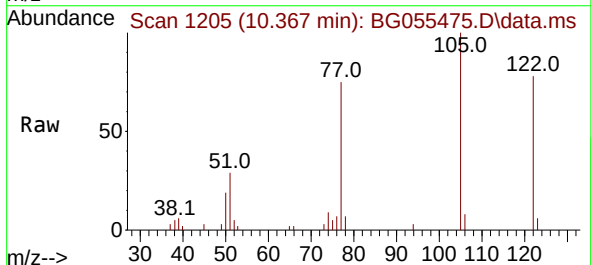


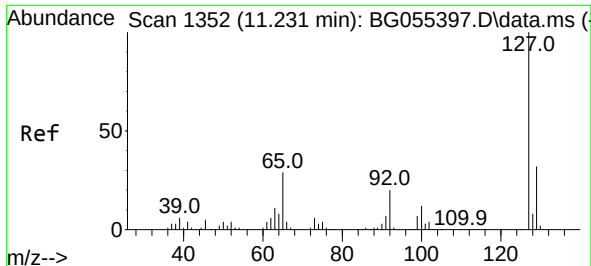
Tgt Ion:128 Resp: 299472
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.8 10.8 16.2



#32
Benzoic acid
Concen: 35.382 ng
RT: 10.367 min Scan# 1205
Delta R.T. -0.025 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:122 Resp: 34333
Ion Ratio Lower Upper
122 100
105 127.9 97.4 137.4
77 95.8 69.5 109.5

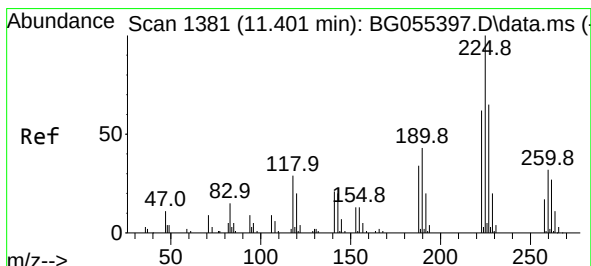
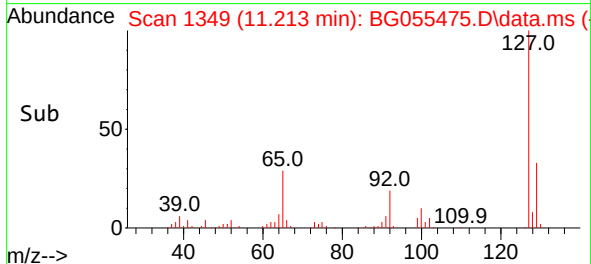
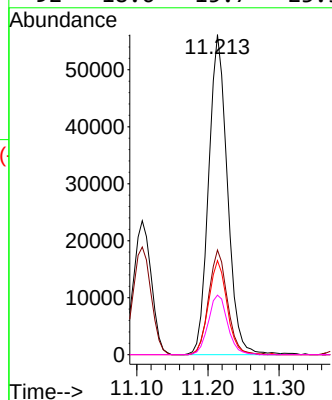
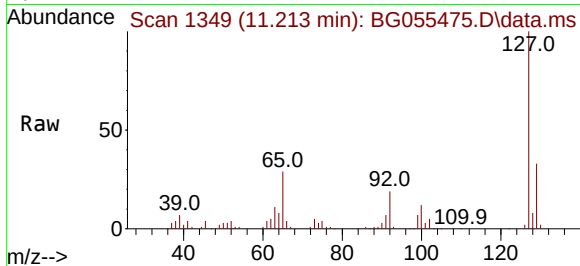




#33
4-Chloroaniline
Concen: 35.561 ng
RT: 11.213 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

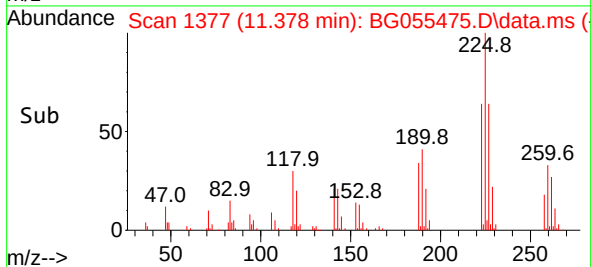
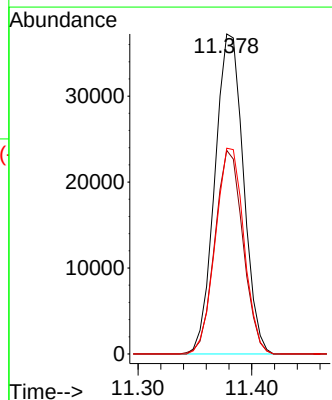
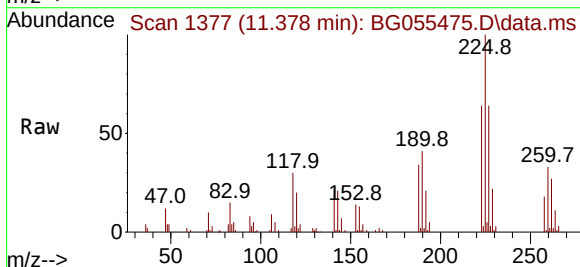
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

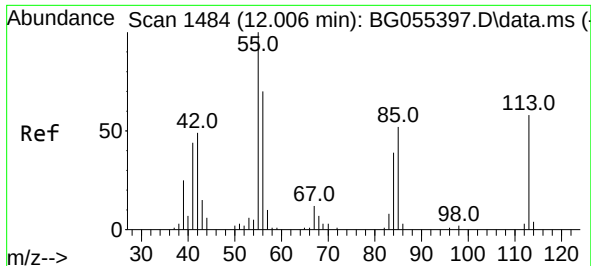
Tgt Ion:	127	Resp:	102962
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.3	37.9
65	29.4	23.0	34.4
92	18.6	15.7	23.5



#34
Hexachlorobutadiene
Concen: 45.269 ng
RT: 11.378 min Scan# 1377
Delta R.T. -0.007 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:	225	Resp:	64972
Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.9	74.9
227	64.3	51.9	77.9

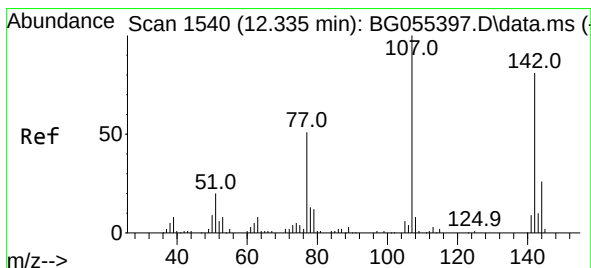
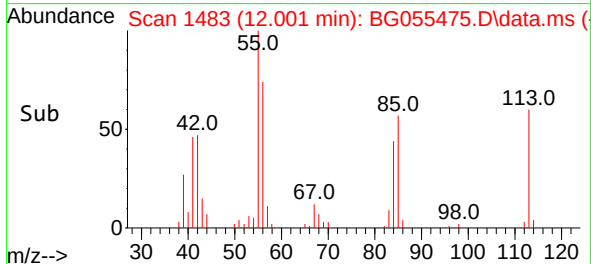
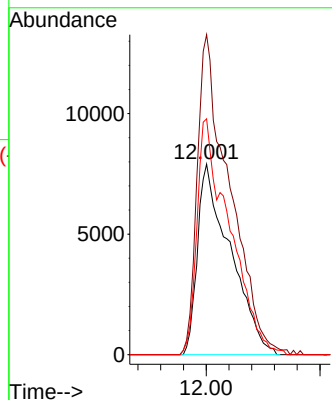
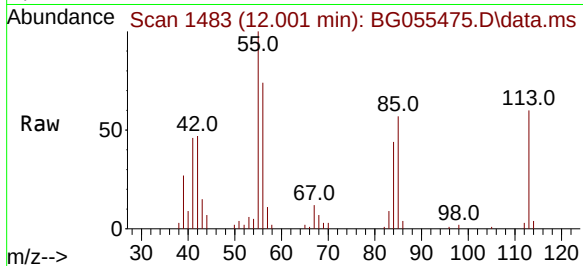




#35
Caprolactam
Concen: 40.002 ng
RT: 12.001 min Scan# 14
Delta R.T. 0.005 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

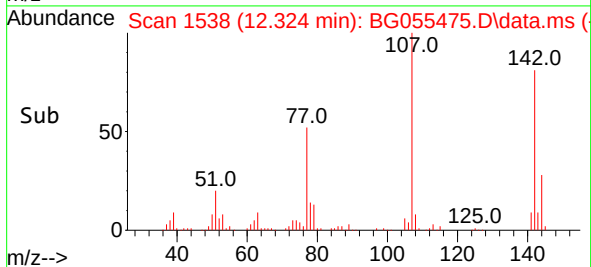
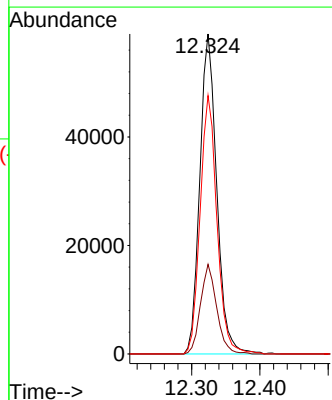
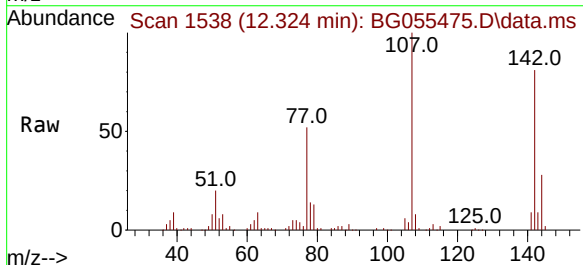
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

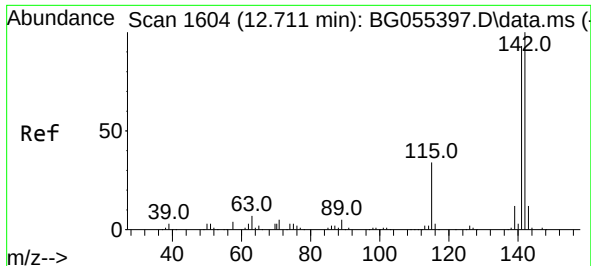
Tgt Ion:113 Resp: 31581
Ion Ratio Lower Upper
113 100
55 168.0 152.6 192.6
56 123.8 100.5 140.5



#36
4-Chloro-3-methylphenol
Concen: 43.471 ng
RT: 12.324 min Scan# 1538
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:107 Resp: 101494
Ion Ratio Lower Upper
107 100
144 28.0 20.6 31.0
142 80.7 64.7 97.1

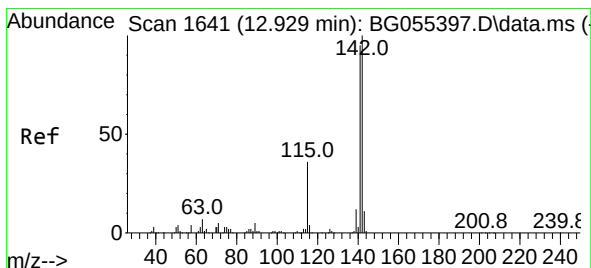
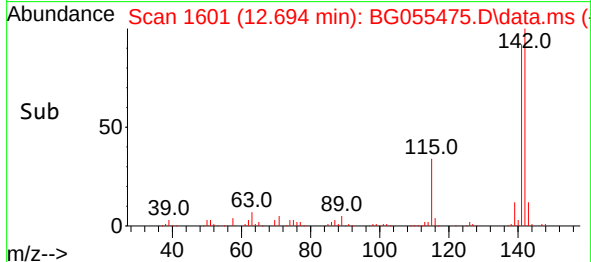
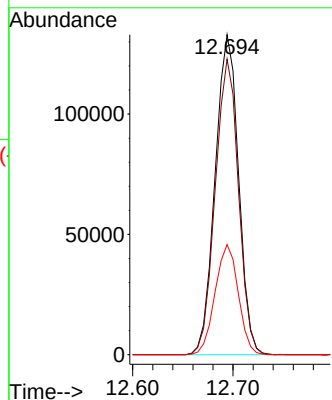
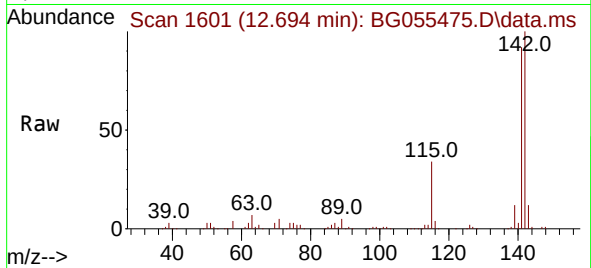




#37
2-Methylnaphthalene
Concen: 42.008 ng
RT: 12.694 min Scan# 1601
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

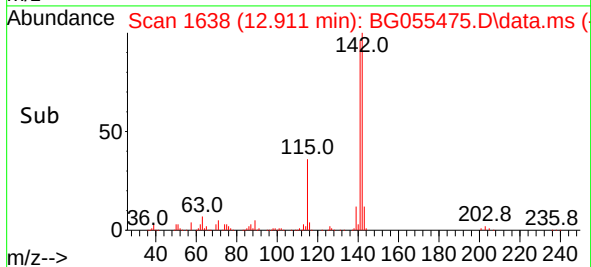
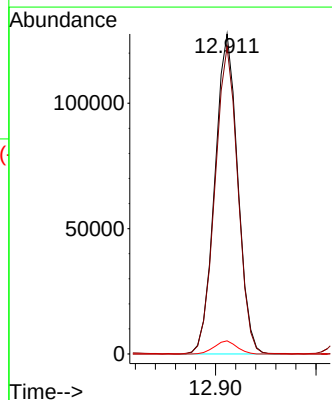
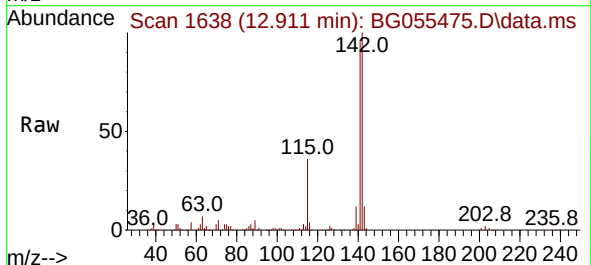
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

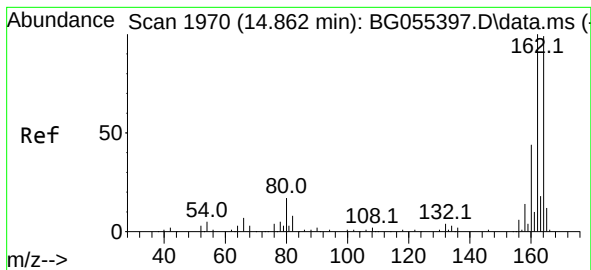
Tgt Ion:142 Resp: 215010
Ion Ratio Lower Upper
142 100
141 92.4 74.5 111.7
115 34.4 27.4 41.2



#38
1-Methylnaphthalene
Concen: 40.425 ng
RT: 12.911 min Scan# 1638
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:142 Resp: 201809
Ion Ratio Lower Upper
142 100
141 96.0 76.1 114.1
116 4.1 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.844 min Scan# 1970

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MS

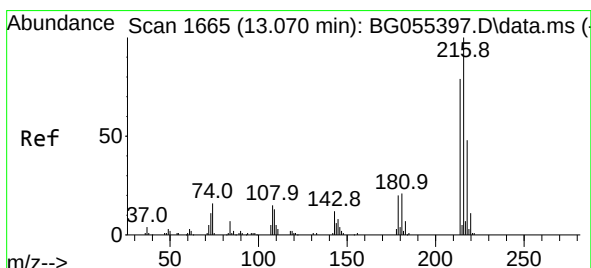
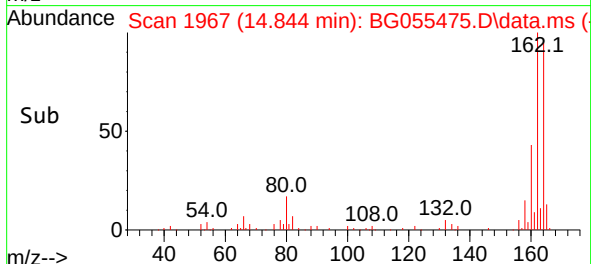
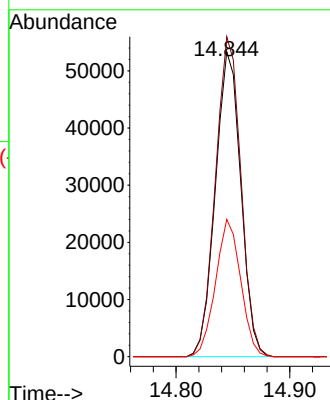
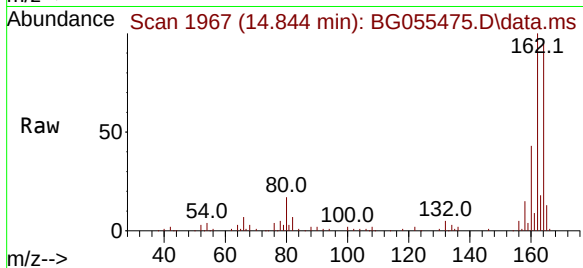
Tgt Ion:164 Resp: 82926

Ion Ratio Lower Upper

164 100

162 104.9 81.1 121.7

160 45.0 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.558 ng

RT: 13.058 min Scan# 1663

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Tgt Ion:216 Resp: 118950

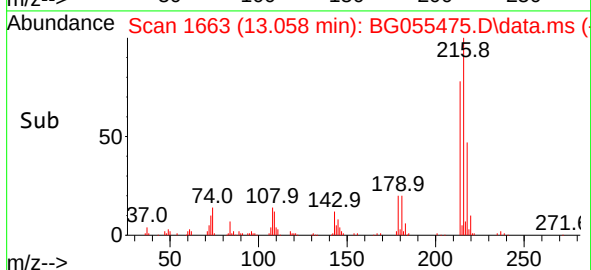
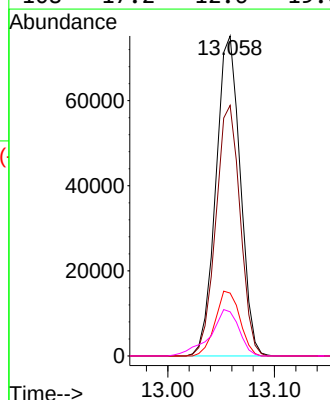
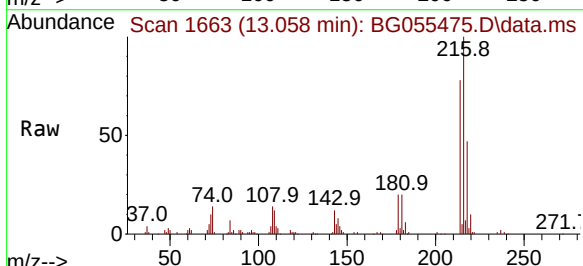
Ion Ratio Lower Upper

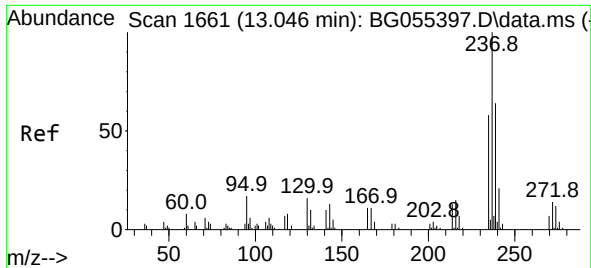
216 100

214 78.2 63.4 95.0

179 20.5 16.6 24.8

108 17.2 12.6 19.0

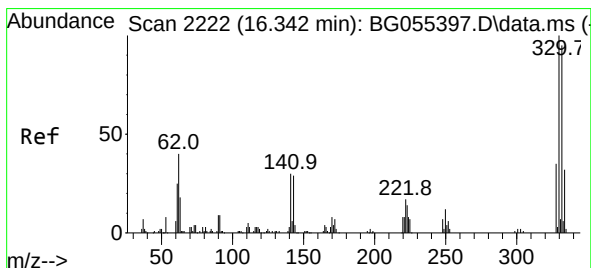
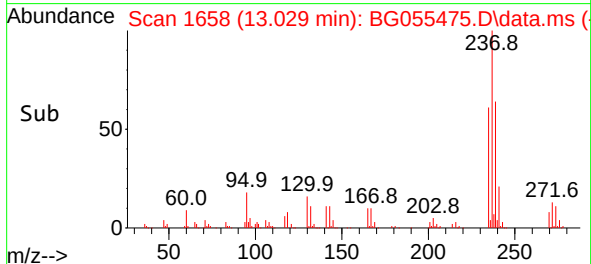
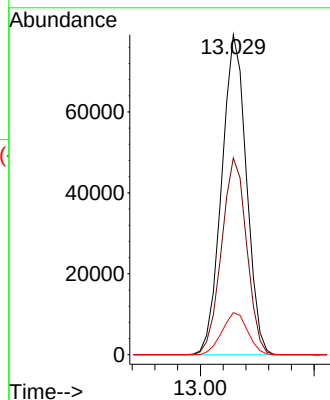
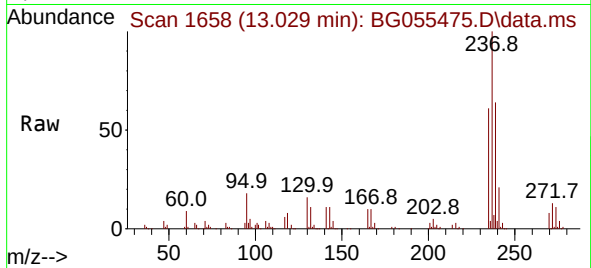




#41
Hexachlorocyclopentadiene
Concen: 100.248 ng
RT: 13.029 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

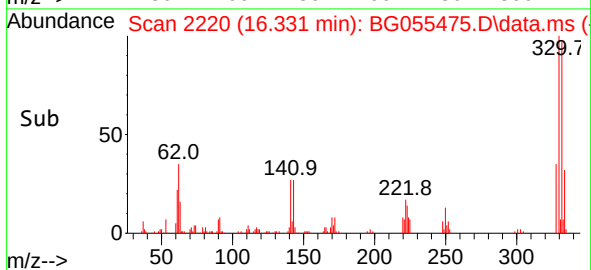
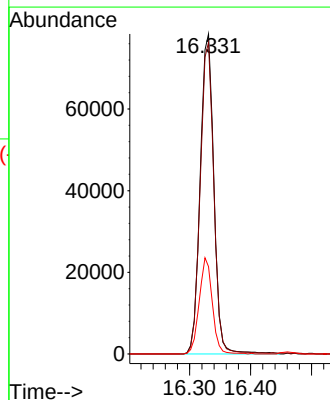
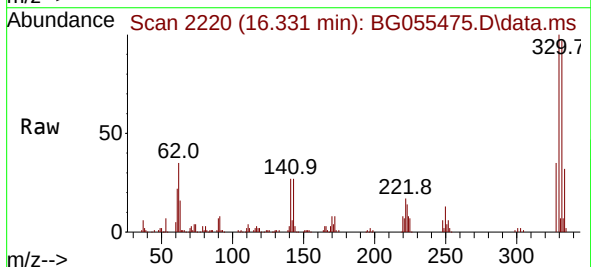
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

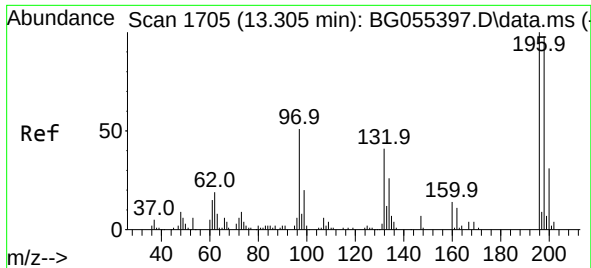
Tgt Ion:237 Resp: 119283
Ion Ratio Lower Upper
237 100
235 61.5 38.1 78.1
272 13.1 0.0 33.7



#42
2,4,6-Tribromophenol
Concen: 107.662 ng
RT: 16.331 min Scan# 2220
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:330 Resp: 121780
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.6
141 29.0 24.2 36.2

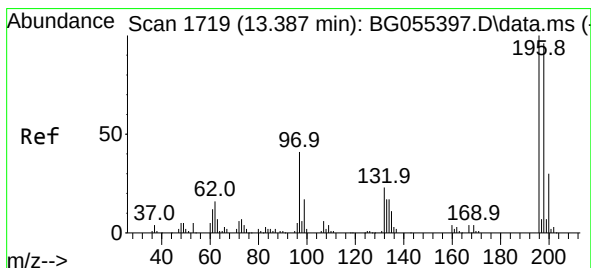
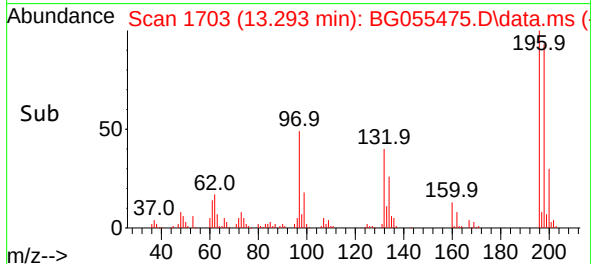
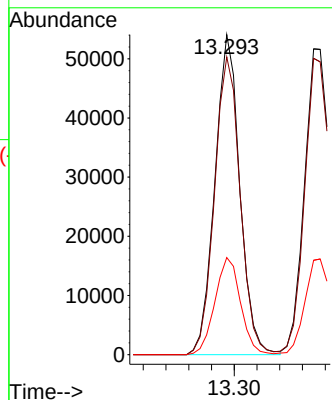
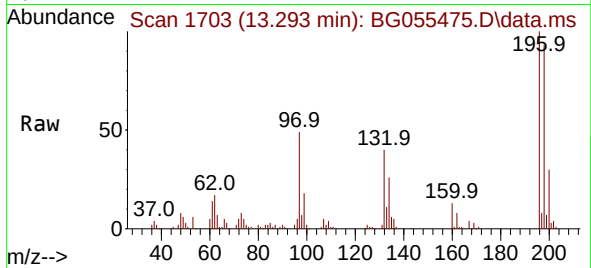




#43
2,4,6-Trichlorophenol
Concen: 48.264 ng
RT: 13.293 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

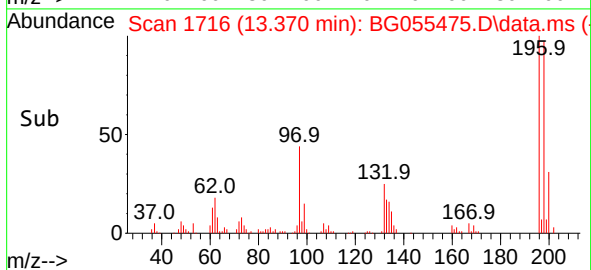
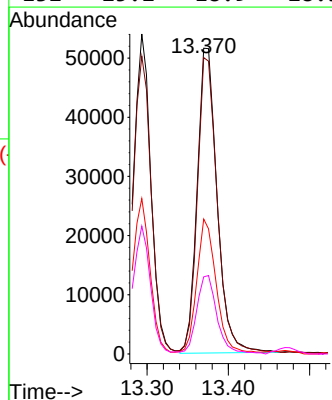
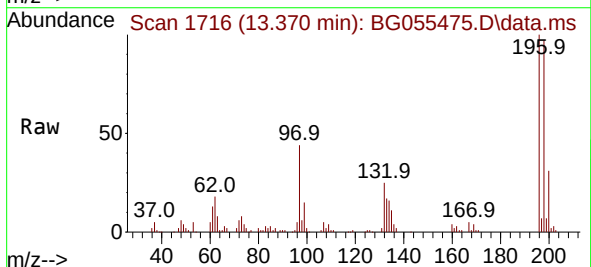
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

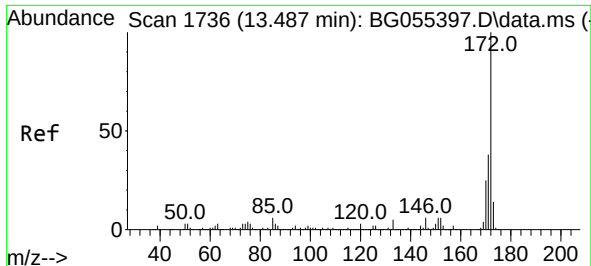
Tgt Ion:196 Resp: 82332
Ion Ratio Lower Upper
196 100
198 93.0 78.8 118.2
200 30.4 25.0 37.6



#44
2,4,5-Trichlorophenol
Concen: 46.288 ng
RT: 13.370 min Scan# 1716
Delta R.T. -0.007 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:196 Resp: 87953
Ion Ratio Lower Upper
196 100
198 96.9 76.9 115.3
97 44.1 33.1 49.7
132 25.2 18.9 28.3

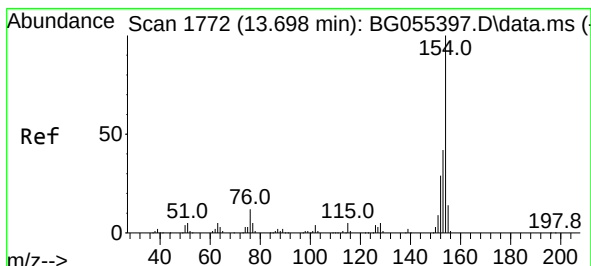
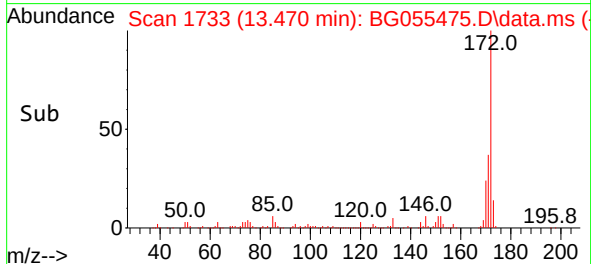
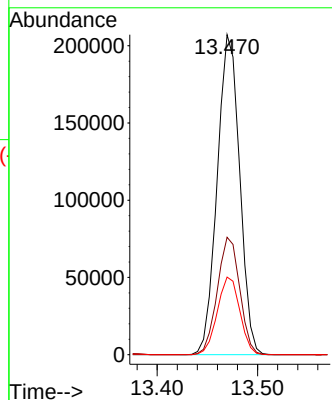
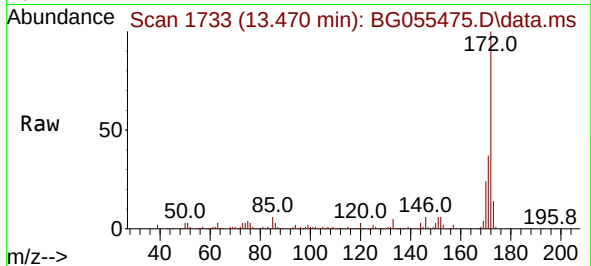




#45
2-Fluorobiphenyl
Concen: 57.434 ng
RT: 13.470 min Scan# 1733
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

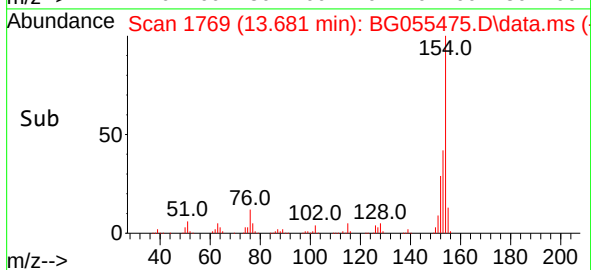
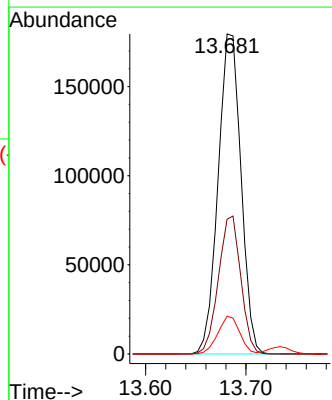
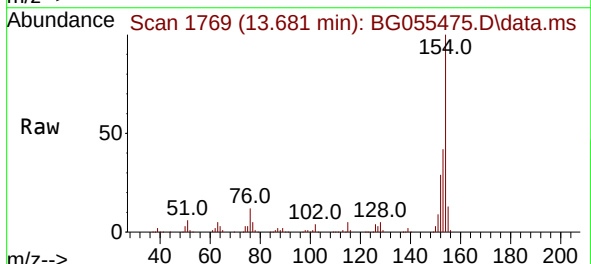
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

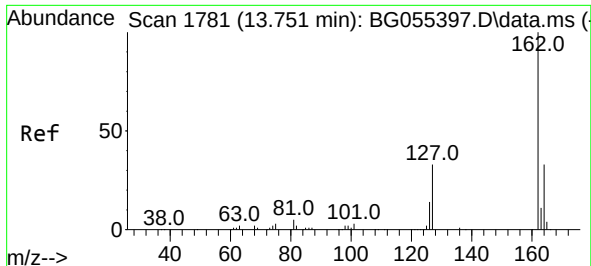
Tgt Ion:172 Resp: 321232
Ion Ratio Lower Upper
172 100
171 36.7 30.2 45.2
170 24.2 20.2 30.2



#46
1,1'-Biphenyl
Concen: 46.545 ng
RT: 13.681 min Scan# 1769
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:154 Resp: 284017
Ion Ratio Lower Upper
154 100
153 42.1 21.6 61.6
76 11.8 0.0 32.0

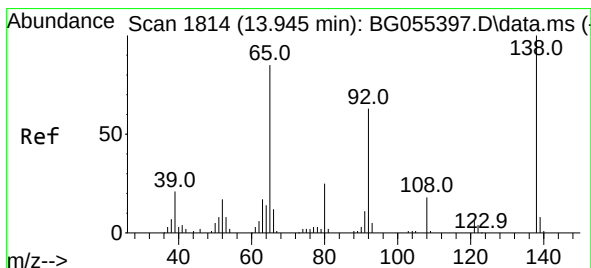
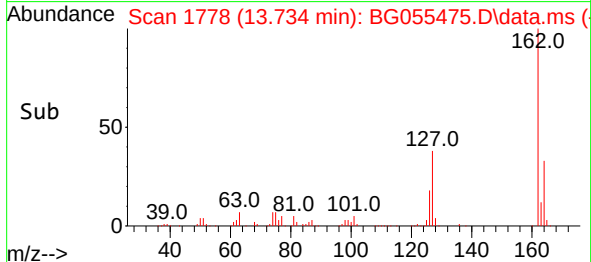
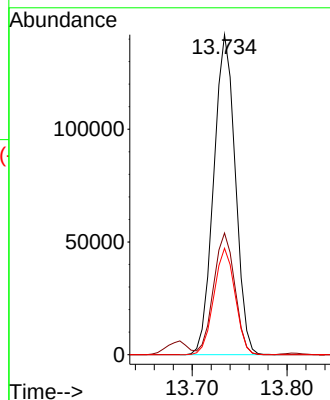
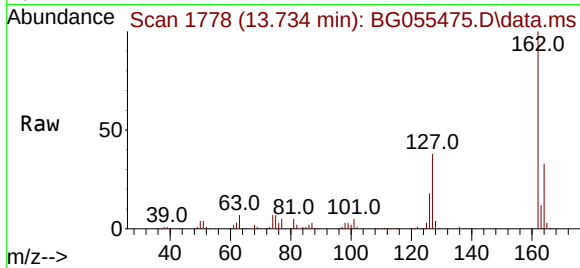




#47
2-Chloronaphthalene
Concen: 45.779 ng
RT: 13.734 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

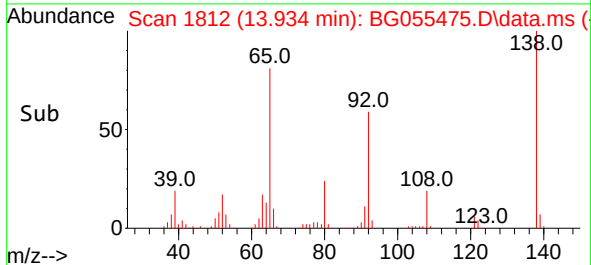
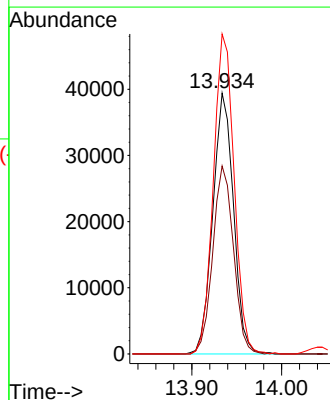
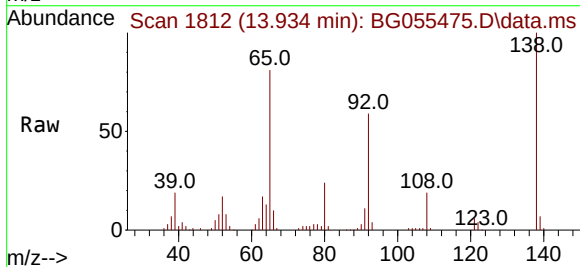
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

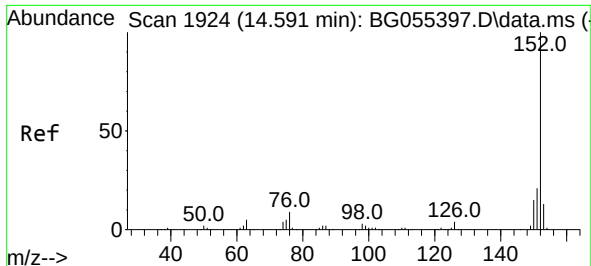
Tgt Ion:162 Resp: 224460
Ion Ratio Lower Upper
162 100
127 38.0 29.8 44.8
164 33.3 26.4 39.6



#48
2-Nitroaniline
Concen: 41.943 ng
RT: 13.934 min Scan# 1812
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion: 65 Resp: 63166
Ion Ratio Lower Upper
65 100
92 72.1 59.4 89.0
138 122.7 93.8 140.8

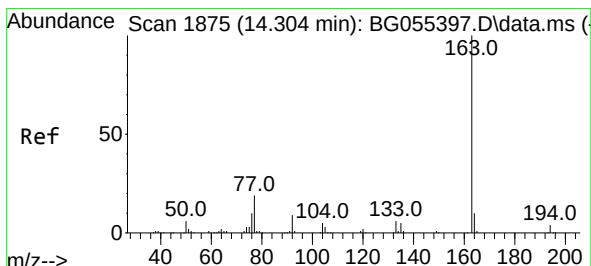
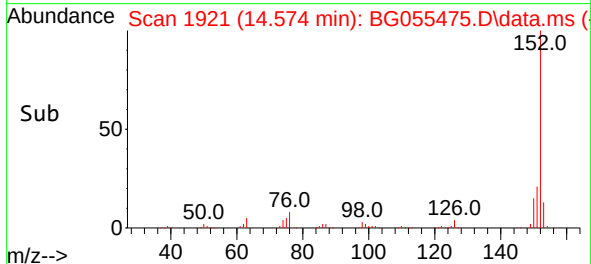
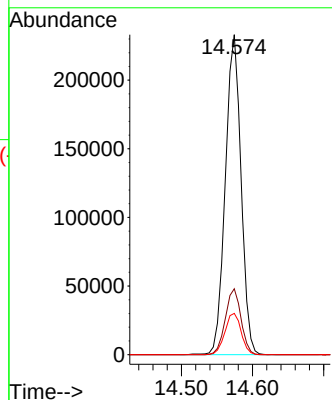
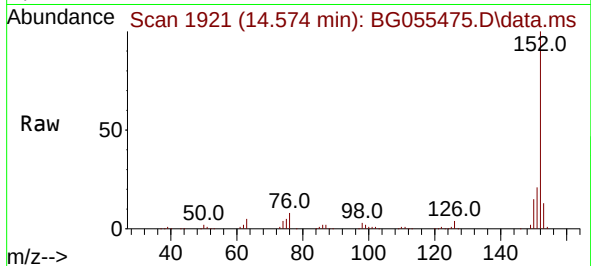




#49
Acenaphthylene
Concen: 44.234 ng
RT: 14.574 min Scan# 1921
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

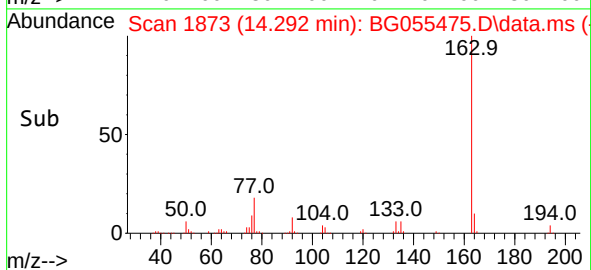
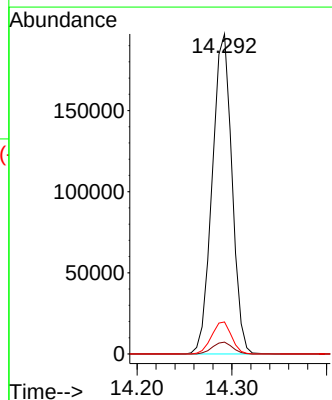
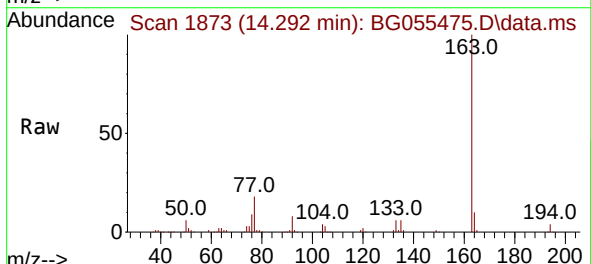
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

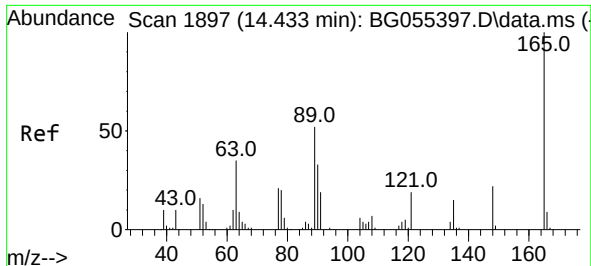
Tgt Ion:152 Resp: 356125
Ion Ratio Lower Upper
152 100
151 20.6 16.7 25.1
153 12.9 10.7 16.1



#50
Dimethylphthalate
Concen: 41.045 ng
RT: 14.292 min Scan# 1873
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:163 Resp: 284113
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.0 8.2 12.2

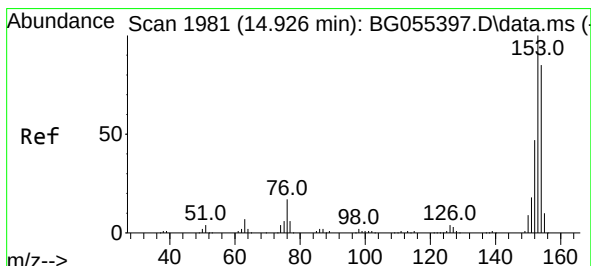
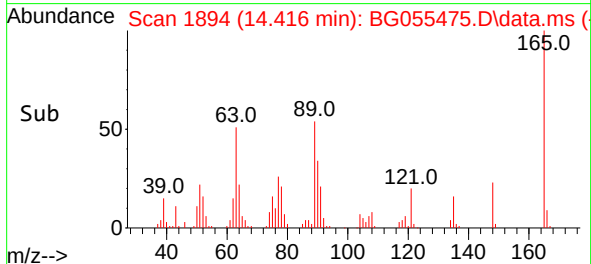
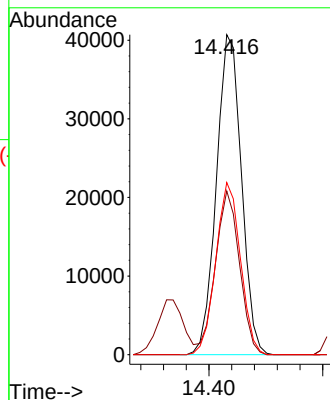
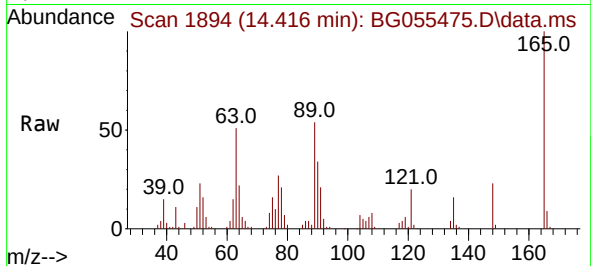




#51
2,6-Dinitrotoluene
Concen: 42.948 ng
RT: 14.416 min Scan# 1894
Delta R.T. -0.007 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

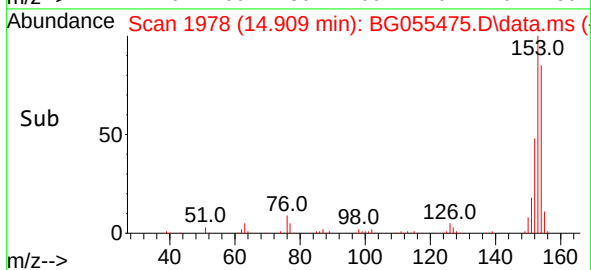
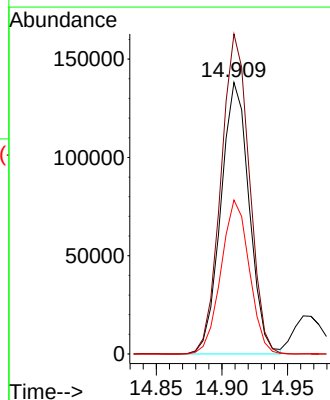
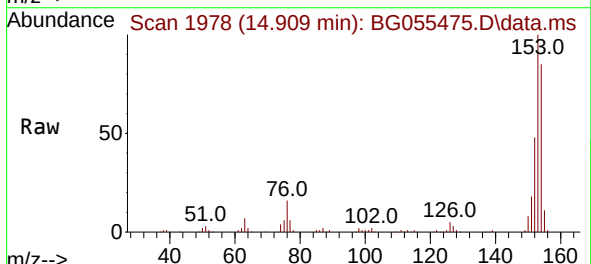
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

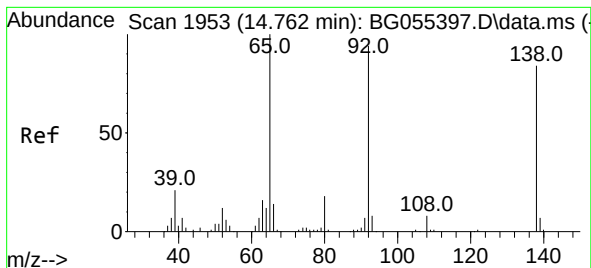
Tgt Ion:165 Resp: 62237
Ion Ratio Lower Upper
165 100
63 51.2 38.2 57.4
89 53.8 41.8 62.6



#52
Acenaphthene
Concen: 43.315 ng
RT: 14.909 min Scan# 1978
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:154 Resp: 207548
Ion Ratio Lower Upper
154 100
153 117.8 94.6 141.8
152 56.7 44.7 67.1





#53

3-Nitroaniline

Concen: 36.584 ng

RT: 14.750 min Scan# 1951

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MS

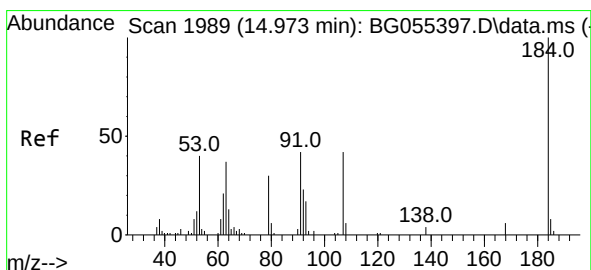
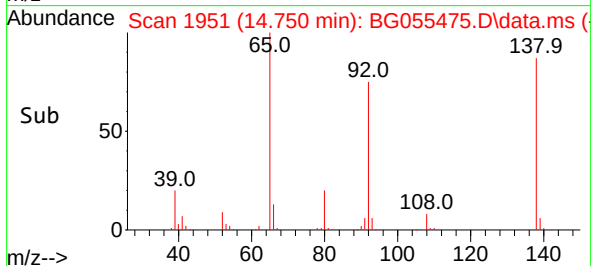
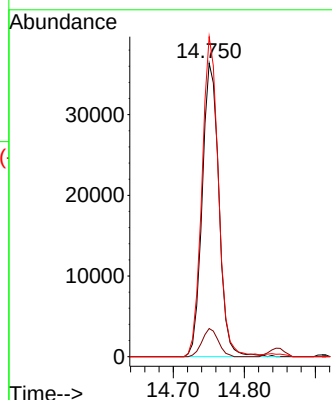
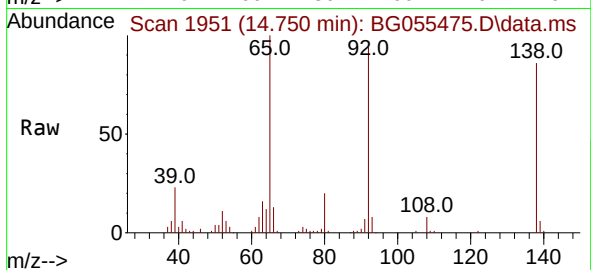
Tgt Ion:138 Resp: 59584

Ion Ratio Lower Upper

138 100

108 9.6 7.4 11.0

92 109.0 89.1 133.7



#54

2,4-Dinitrophenol

Concen: 72.378 ng

RT: 14.968 min Scan# 1988

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

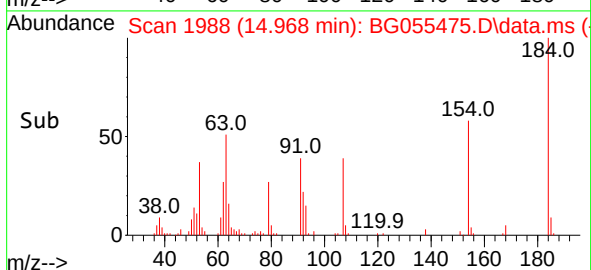
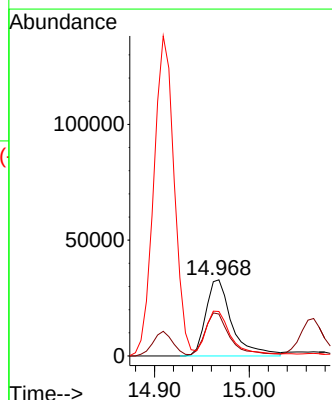
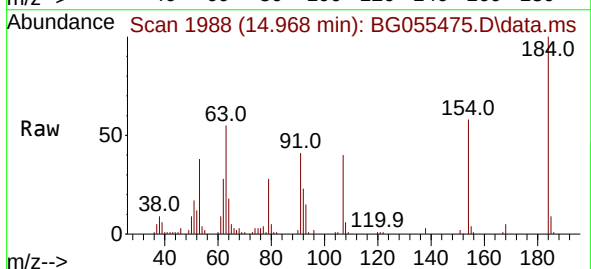
Tgt Ion:184 Resp: 62934

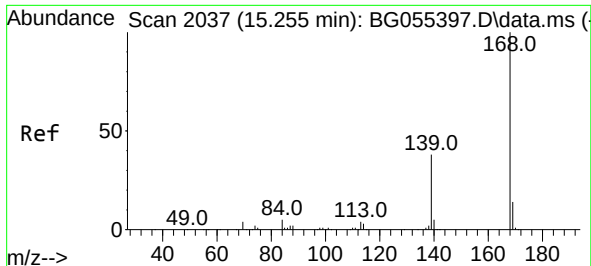
Ion Ratio Lower Upper

184 100

63 55.1 47.4 71.0

154 58.3 47.0 70.6

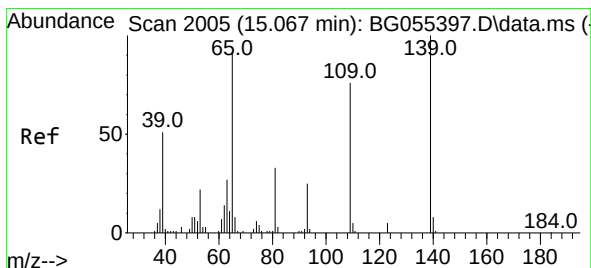
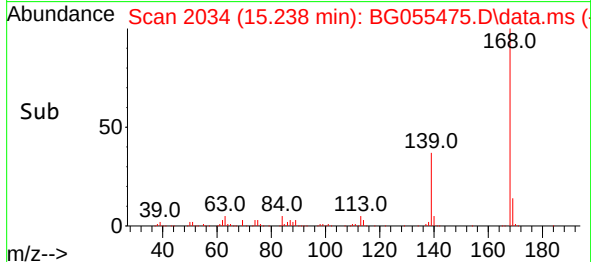
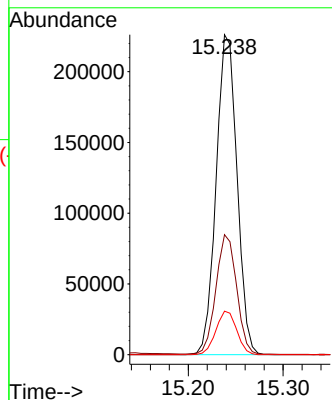
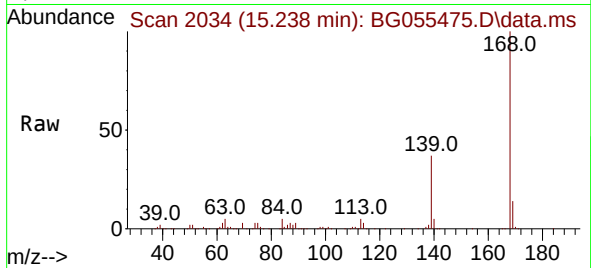




#55
Dibenzenofuran
Concen: 43.692 ng
RT: 15.238 min Scan# 2034
Delta R.T. -0.007 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

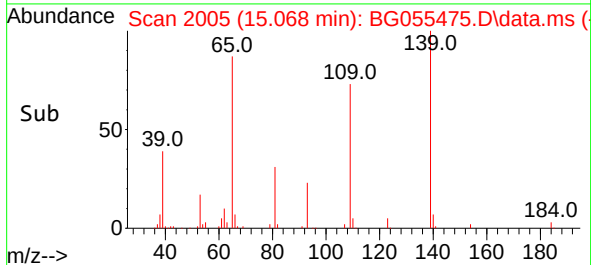
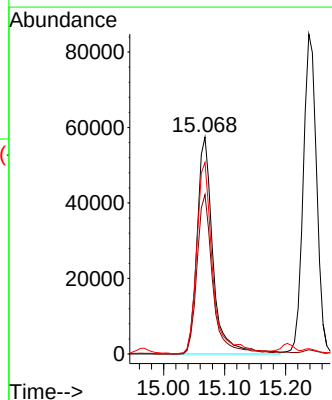
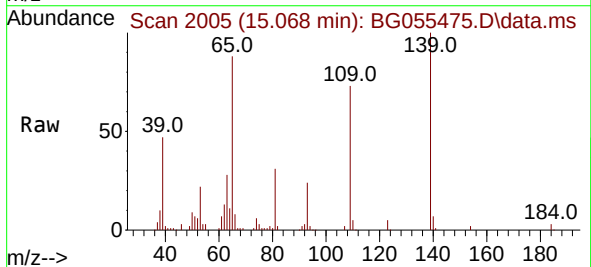
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

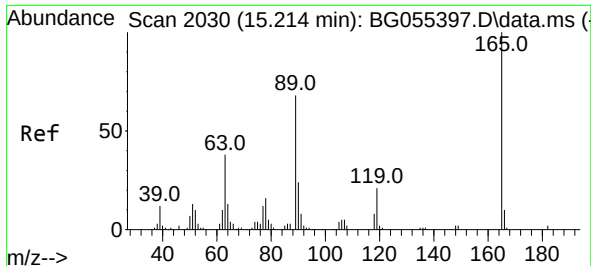
Tgt Ion:168 Resp: 346532
Ion Ratio Lower Upper
168 100
139 37.5 30.3 45.5
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 92.929 ng
RT: 15.068 min Scan# 2005
Delta R.T. 0.005 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:139 Resp: 103779
Ion Ratio Lower Upper
139 100
109 73.4 56.1 96.1
65 88.3 71.2 111.2

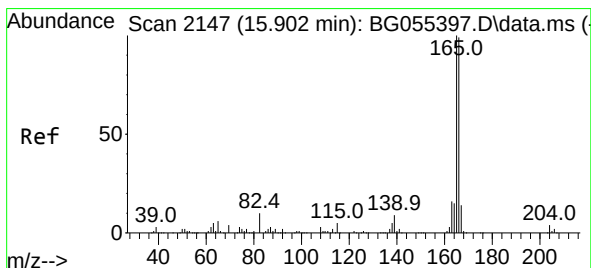
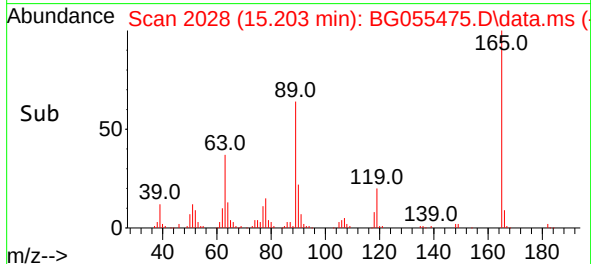
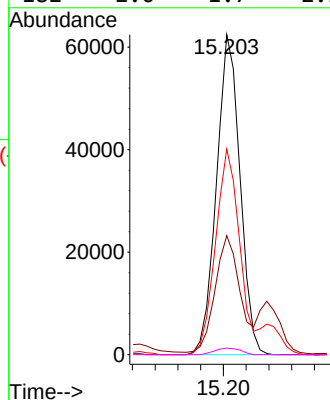
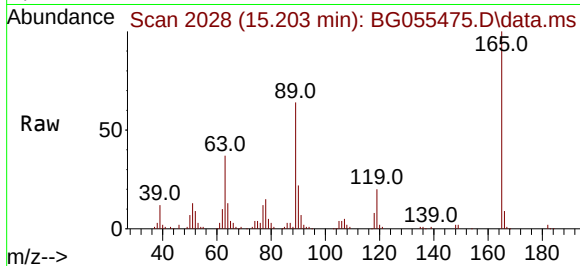




#57
2,4-Dinitrotoluene
Concen: 43.319 ng
RT: 15.203 min Scan# 2030
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

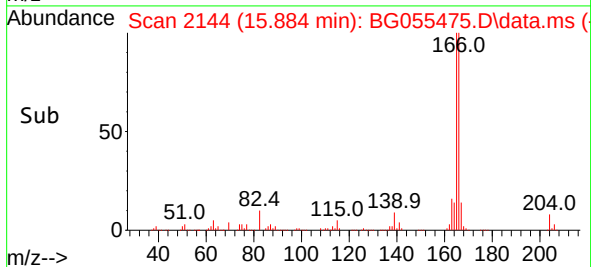
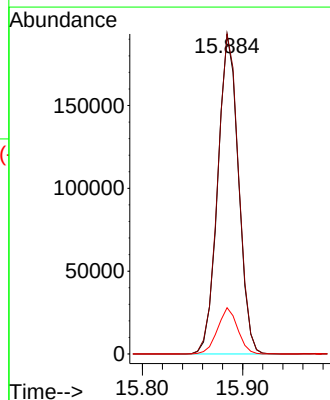
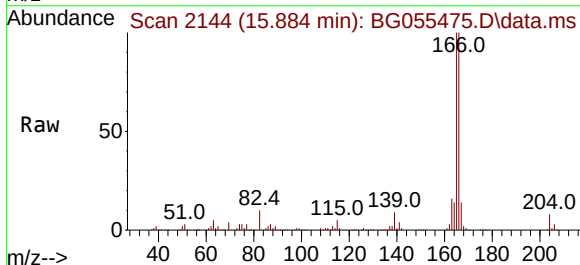
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

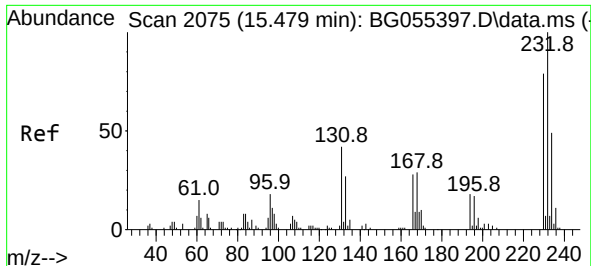
Tgt Ion:165 Resp: 89759
Ion Ratio Lower Upper
165 100
63 37.2 30.8 46.2
89 64.2 54.5 81.7
182 2.0 1.7 2.5



#58
Fluorene
Concen: 42.745 ng
RT: 15.884 min Scan# 2144
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:166 Resp: 275405
Ion Ratio Lower Upper
166 100
165 100.1 81.0 121.6
167 14.5 11.0 16.6

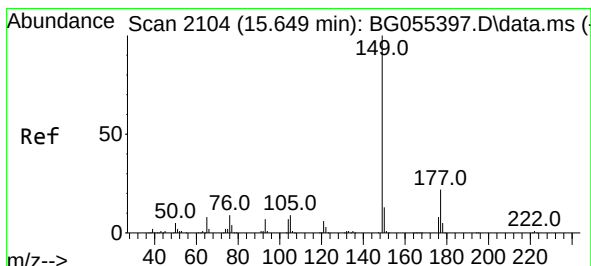
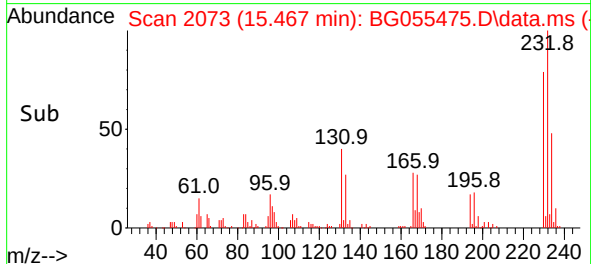
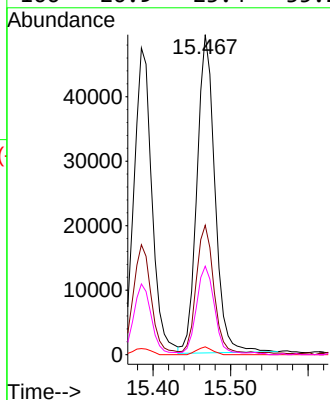
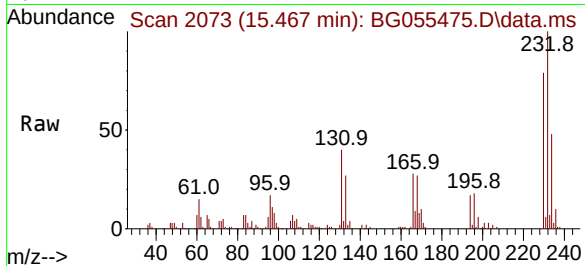




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.341 ng
RT: 15.467 min Scan# 2073
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

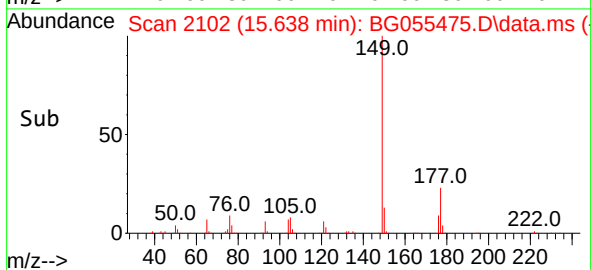
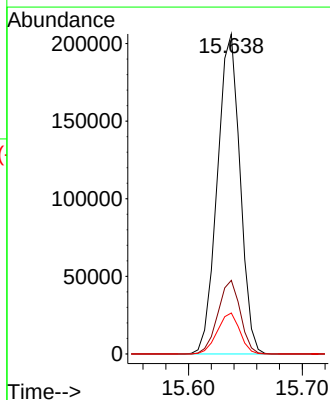
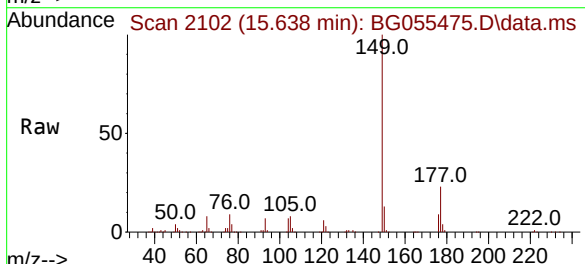
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

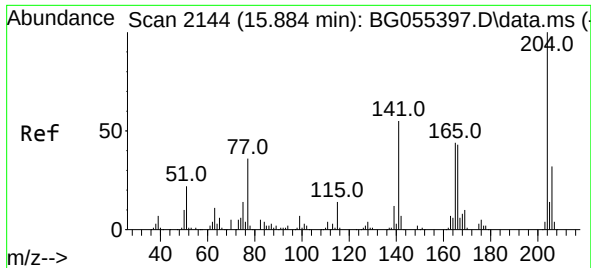
Tgt Ion:232 Resp: 79174
Ion Ratio Lower Upper
232 100
131 40.6 33.1 49.7
130 2.1 1.6 2.4
166 26.9 23.4 35.2



#60
Diethylphthalate
Concen: 39.825 ng
RT: 15.638 min Scan# 2102
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:149 Resp: 286476
Ion Ratio Lower Upper
149 100
177 23.0 17.7 26.5
150 12.8 10.0 15.0

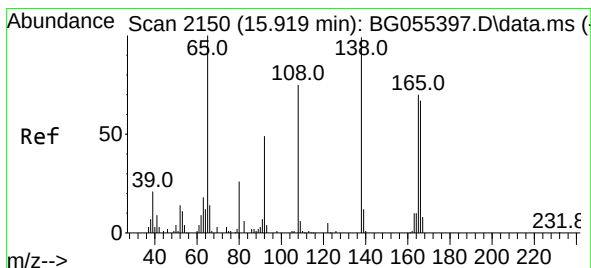
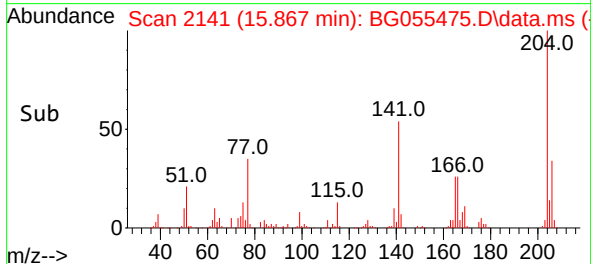
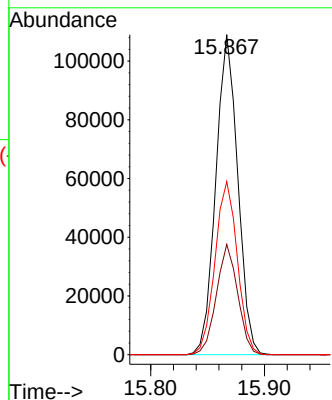
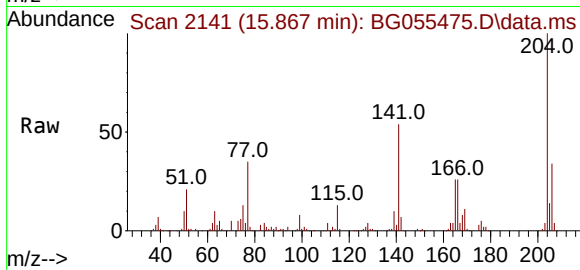




#61
4-Chlorophenyl-phenylether
Concen: 43.840 ng
RT: 15.867 min Scan# 2140
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

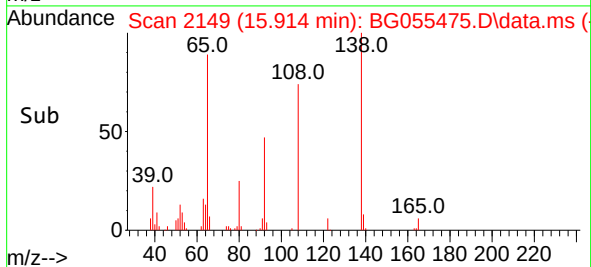
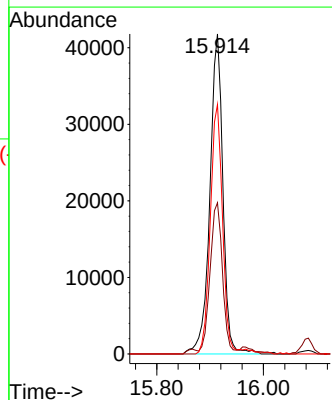
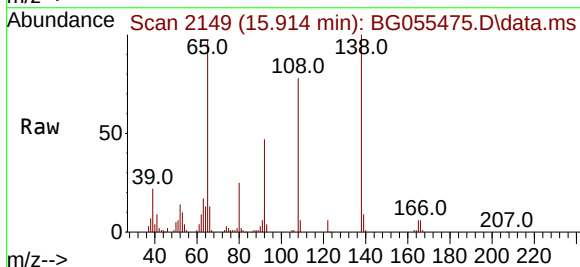
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

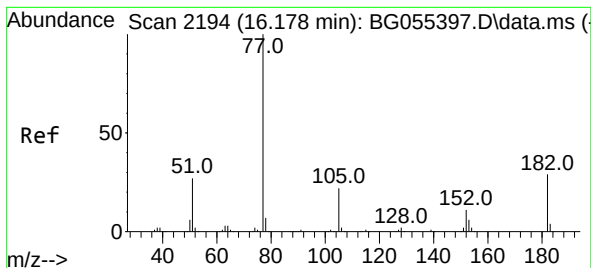
Tgt Ion:204 Resp: 146032
Ion Ratio Lower Upper
204 100
206 34.5 25.8 38.8
141 54.1 44.0 66.0



#62
4-Nitroaniline
Concen: 41.466 ng
RT: 15.914 min Scan# 2149
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:138 Resp: 71452
Ion Ratio Lower Upper
138 100
92 47.2 29.2 69.2
108 78.0 55.9 95.9





#63

Azobenzene

Concen: 40.677 ng

RT: 16.161 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MS

Tgt Ion: 77 Resp: 243235

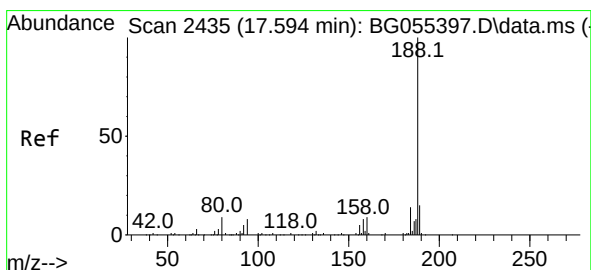
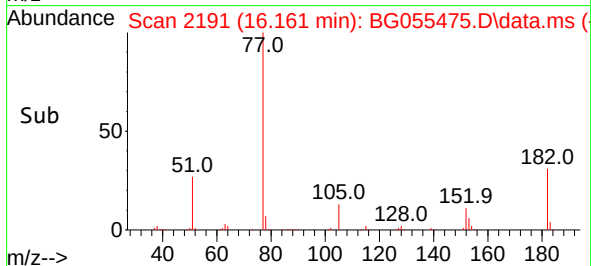
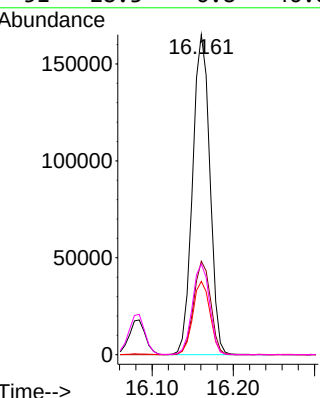
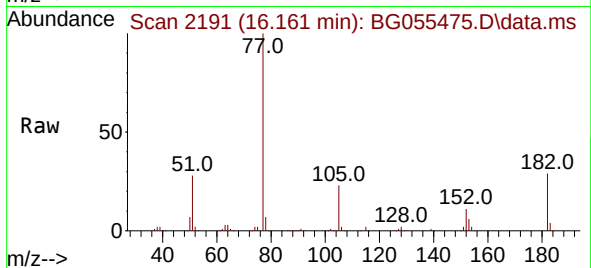
Ion Ratio Lower Upper

77 100

182 29.2 9.0 49.0

105 22.9 2.2 42.2

51 28.3 6.8 46.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.582 min Scan# 2433

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

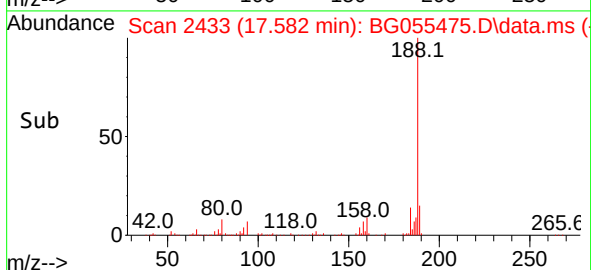
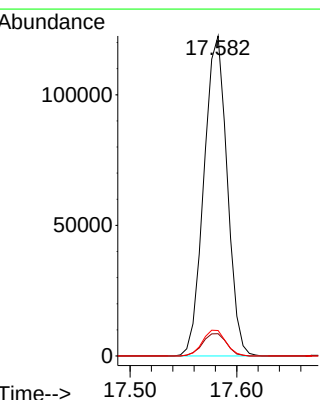
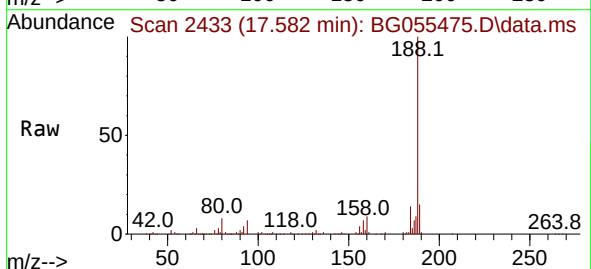
Tgt Ion:188 Resp: 185089

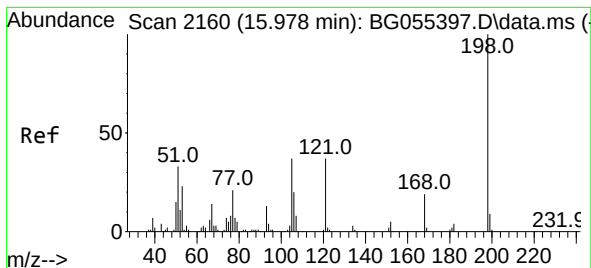
Ion Ratio Lower Upper

188 100

94 6.9 6.5 9.7

80 7.9 7.4 11.0

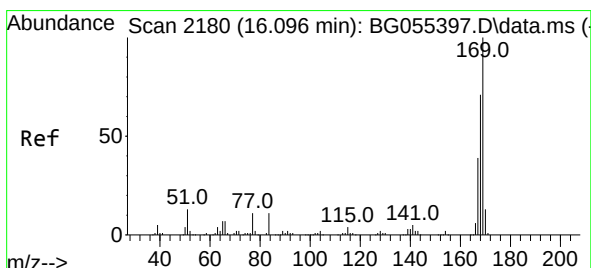
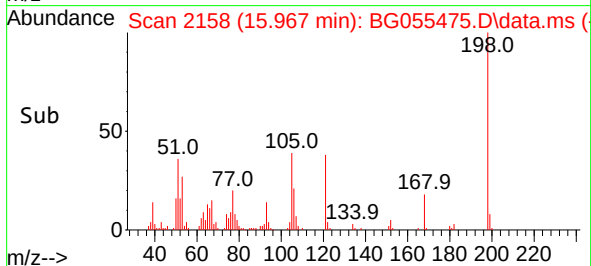
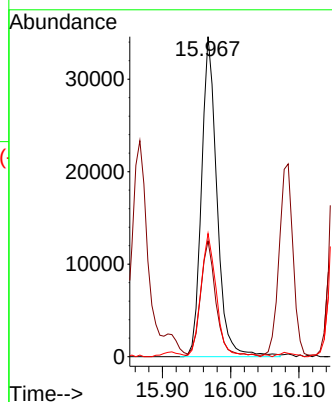
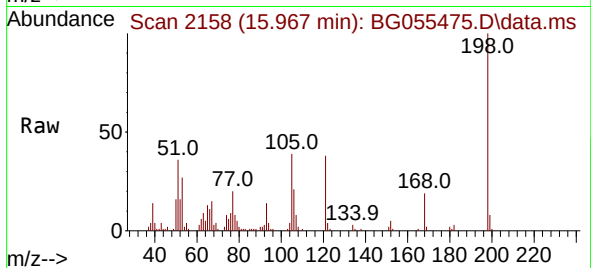




#65
4,6-Dinitro-2-methylphenol
Concen: 45.870 ng
RT: 15.967 min Scan# 2160
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

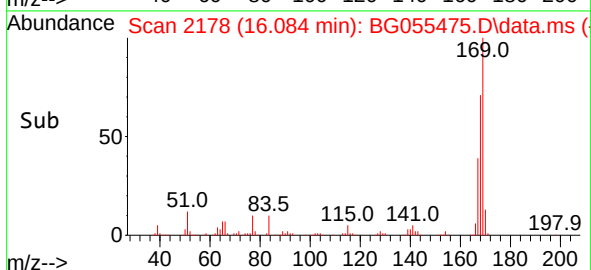
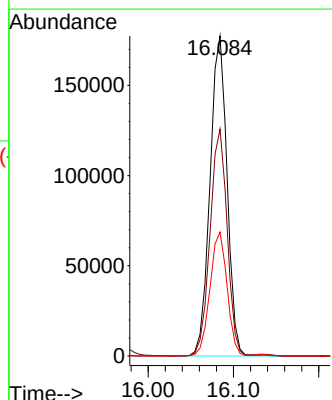
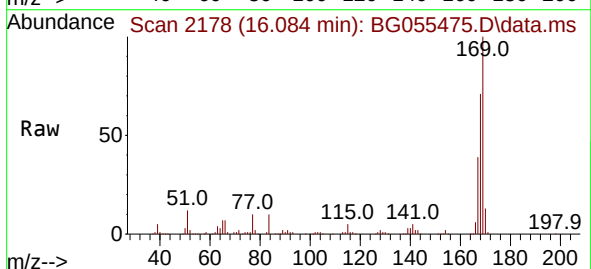
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

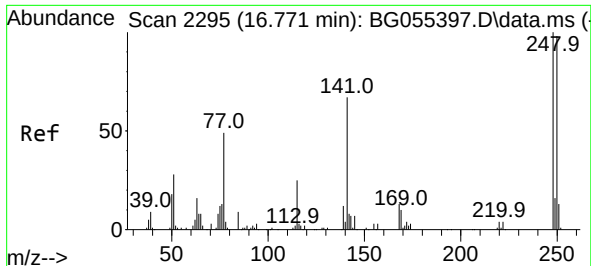
Tgt Ion:198 Resp: 54688
Ion Ratio Lower Upper
198 100
51 36.2 14.8 54.8
105 38.5 17.6 57.6



#66
n-Nitrosodiphenylamine
Concen: 44.741 ng
RT: 16.084 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:169 Resp: 246203
Ion Ratio Lower Upper
169 100
168 70.9 57.0 85.4
167 38.7 31.0 46.6

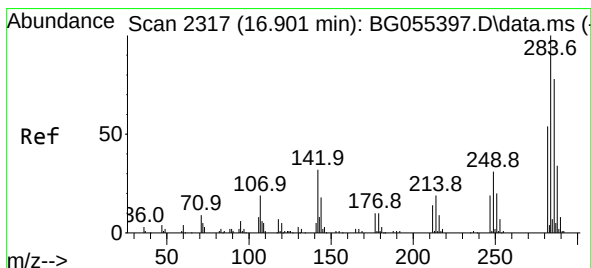
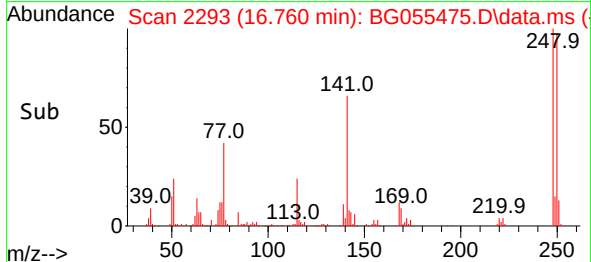
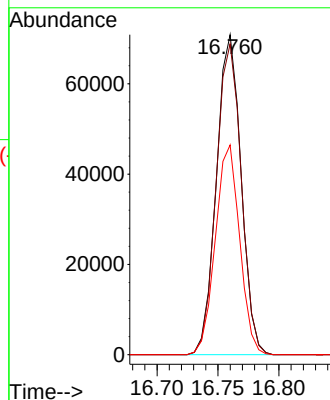
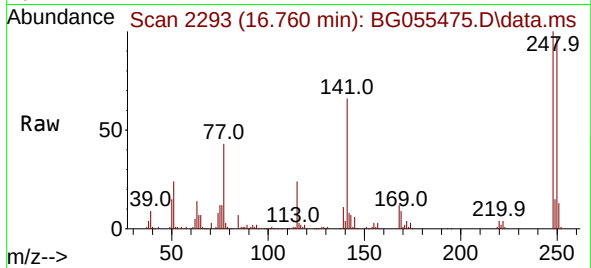




#67
4-Bromophenyl-phenylether
Concen: 45.631 ng
RT: 16.760 min Scan# 211
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

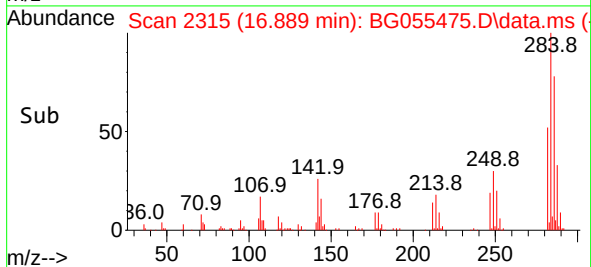
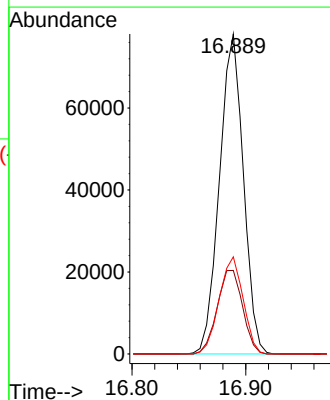
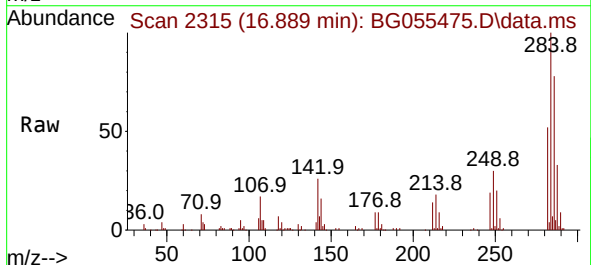
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

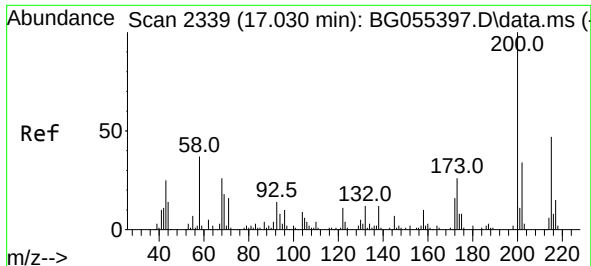
Tgt Ion:248 Resp: 99838
Ion Ratio Lower Upper
248 100
250 97.1 78.3 117.5
141 65.5 53.7 80.5



#68
Hexachlorobenzene
Concen: 45.697 ng
RT: 16.889 min Scan# 2315
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:284 Resp: 114019
Ion Ratio Lower Upper
284 100
142 26.1 25.4 38.2
249 30.3 24.9 37.3

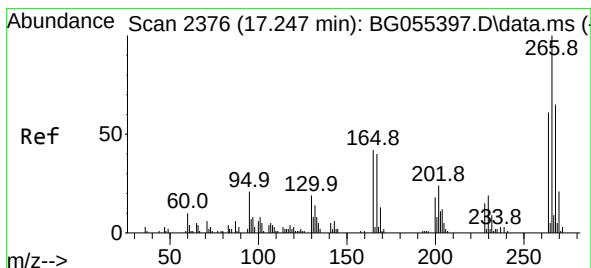
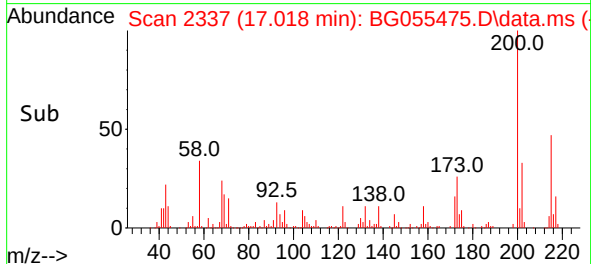
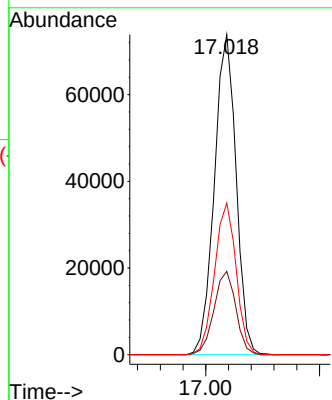
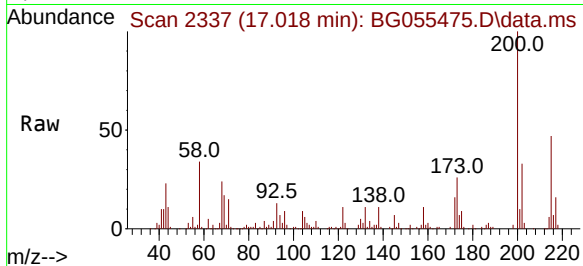




#69
 Atrazine
 Concen: 53.066 ng
 RT: 17.018 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG055475.D
 Acq: 5 Nov 2022 18:13

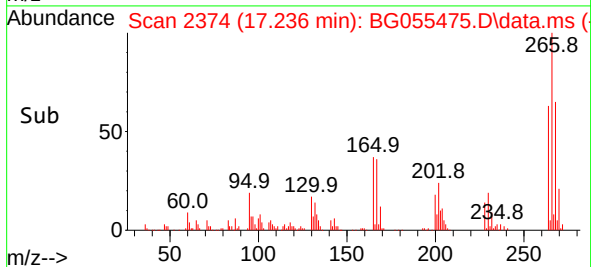
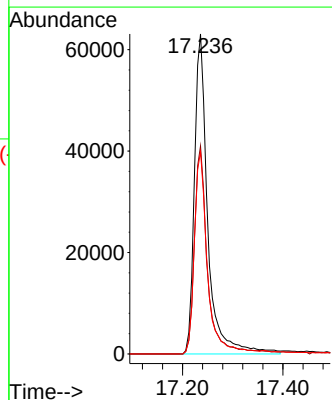
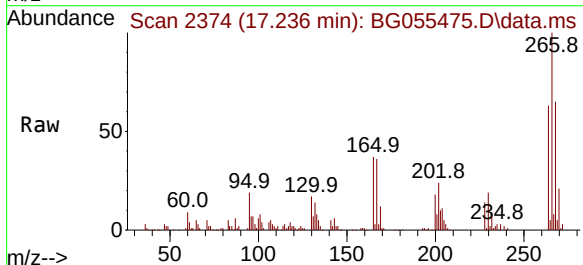
Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103MS

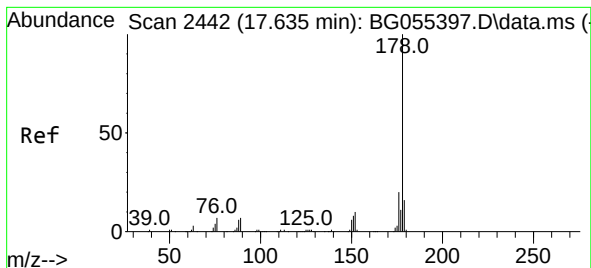
Tgt Ion:200 Resp: 98035
 Ion Ratio Lower Upper
 200 100
 173 26.1 5.8 45.8
 215 47.4 27.4 67.4



#70
 Pentachlorophenol
 Concen: 89.716 ng
 RT: 17.236 min Scan# 2374
 Delta R.T. -0.001 min
 Lab File: BG055475.D
 Acq: 5 Nov 2022 18:13

Tgt Ion:266 Resp: 116716
 Ion Ratio Lower Upper
 266 100
 268 65.0 52.2 78.4
 264 63.2 49.2 73.8





#71

Phenanthrene

Concen: 43.783 ng

RT: 17.624 min Scan# 2442

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MS

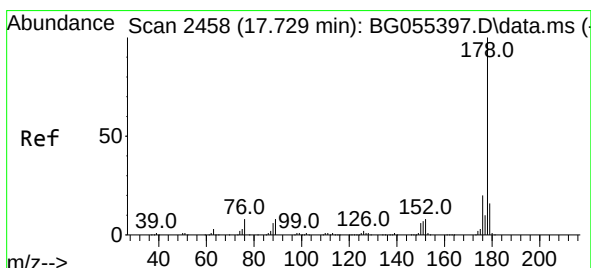
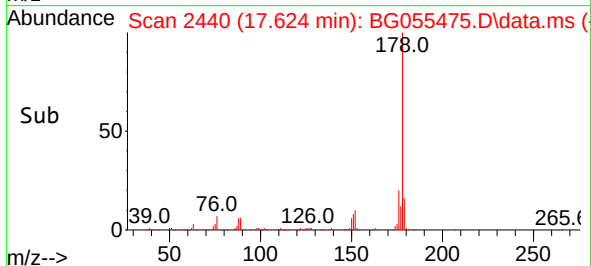
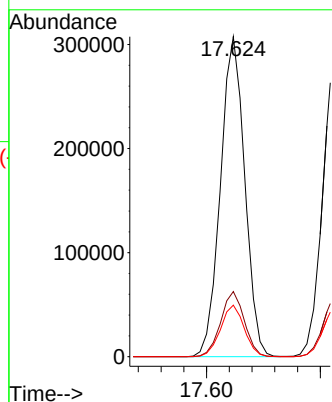
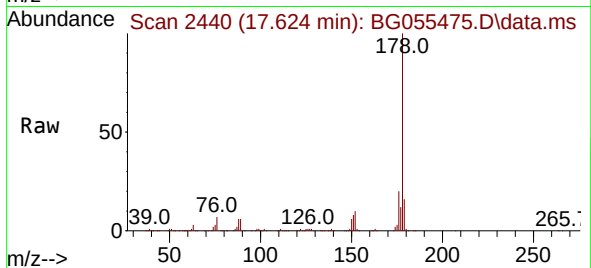
Tgt Ion:178 Resp: 455828

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

179 16.1 12.7 19.1



#72

Anthracene

Concen: 45.365 ng

RT: 17.712 min Scan# 2455

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

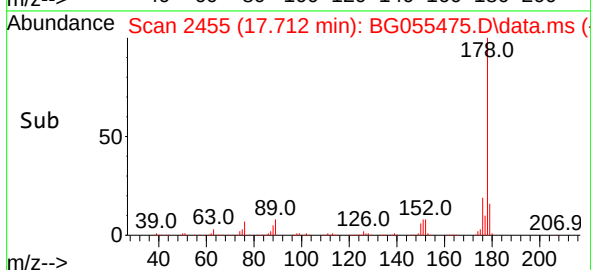
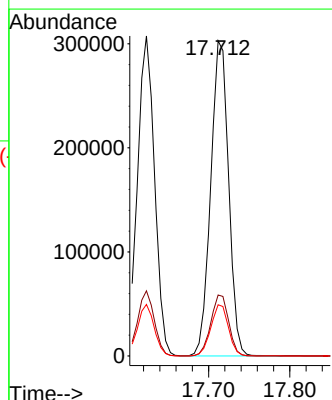
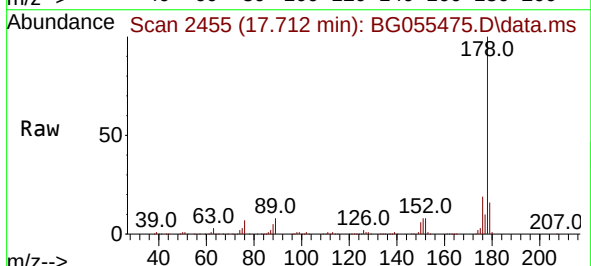
Tgt Ion:178 Resp: 462935

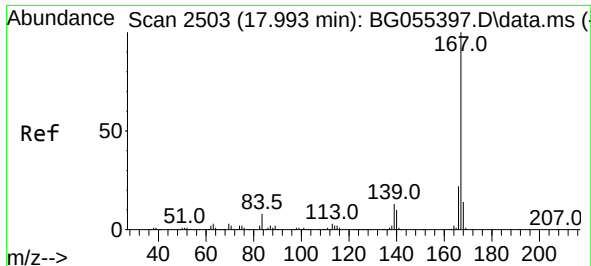
Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

179 16.3 13.0 19.6

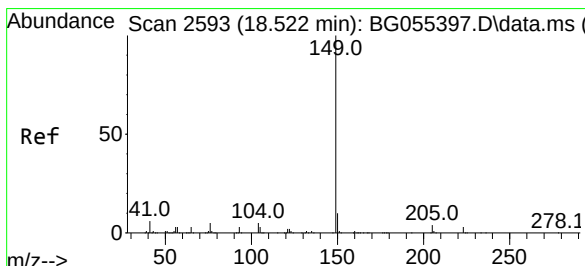
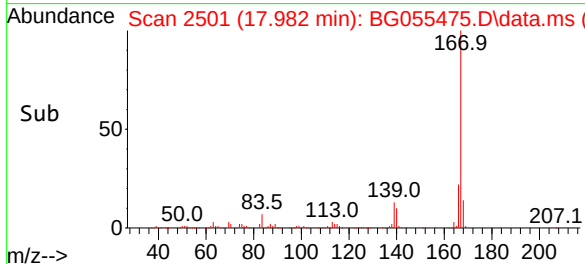
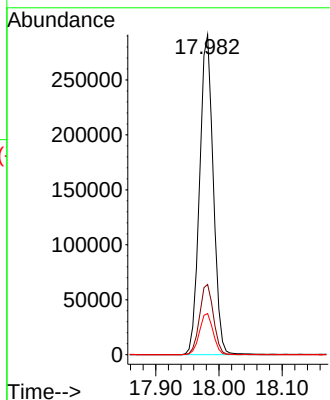
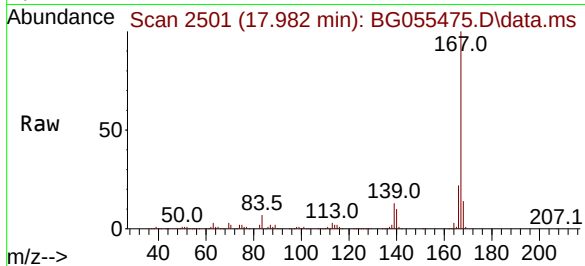




#73
 Carbazole
 Concen: 46.002 ng
 RT: 17.982 min Scan# 2501
 Delta R.T. -0.001 min
 Lab File: BG055475.D
 Acq: 5 Nov 2022 18:13

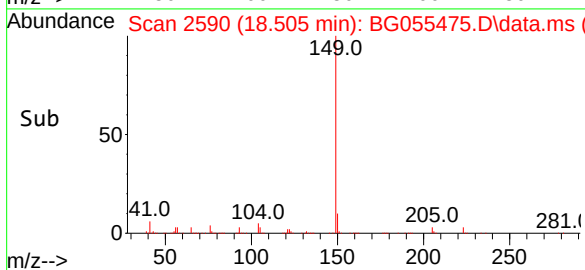
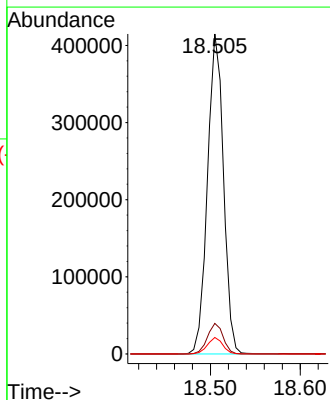
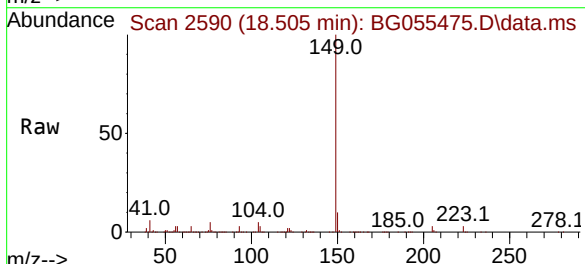
Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103MS

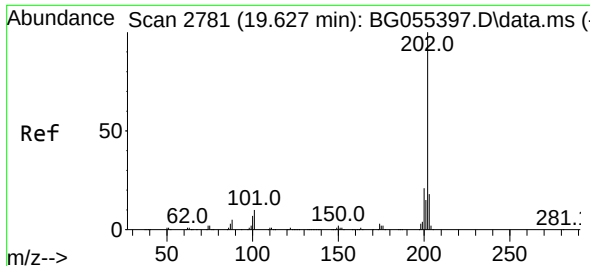
Tgt Ion:167 Resp: 436757
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.9 26.9
 139 12.8 10.4 15.6



#74
 Di-n-butylphthalate
 Concen: 43.260 ng
 RT: 18.505 min Scan# 2590
 Delta R.T. -0.001 min
 Lab File: BG055475.D
 Acq: 5 Nov 2022 18:13

Tgt Ion:149 Resp: 512971
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.6 11.4
 104 5.2 3.9 5.9

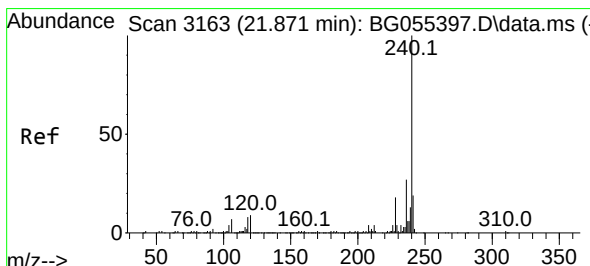
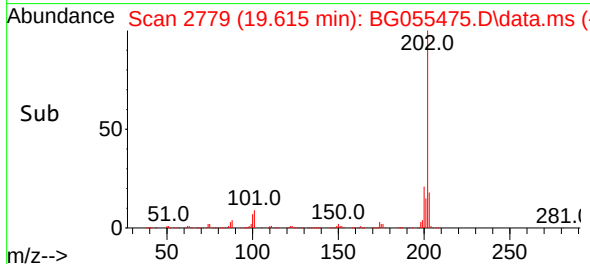
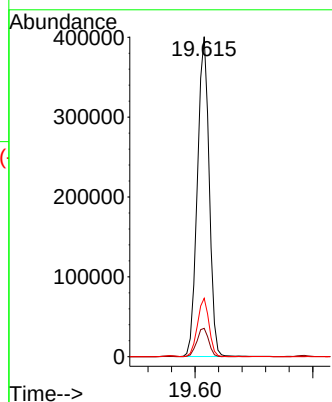
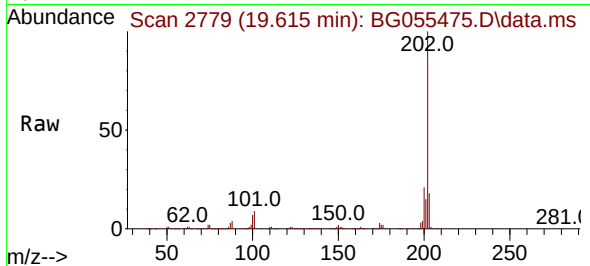




#75
Fluoranthene
Concen: 44.358 ng
RT: 19.615 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

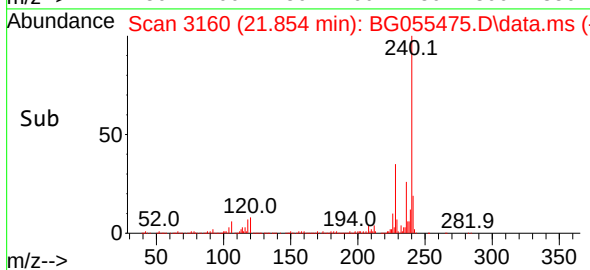
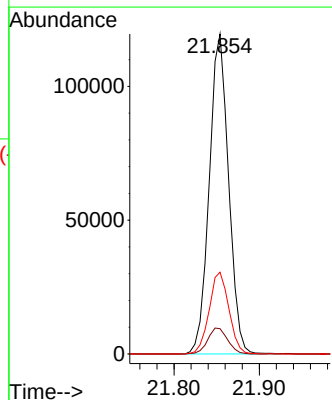
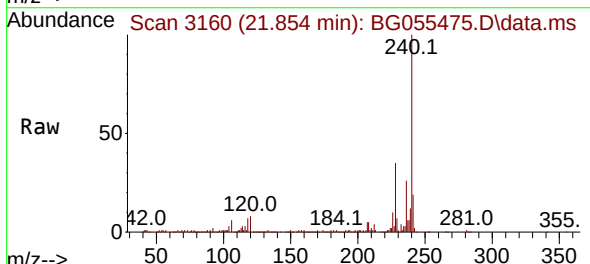
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

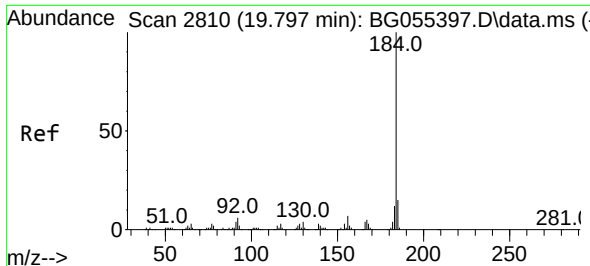
Tgt Ion:202 Resp: 555488
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.8
203 18.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3160
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:240 Resp: 188491
Ion Ratio Lower Upper
240 100
120 7.9 6.9 10.3
236 25.6 21.5 32.3

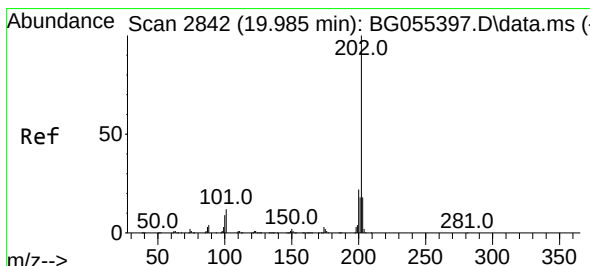
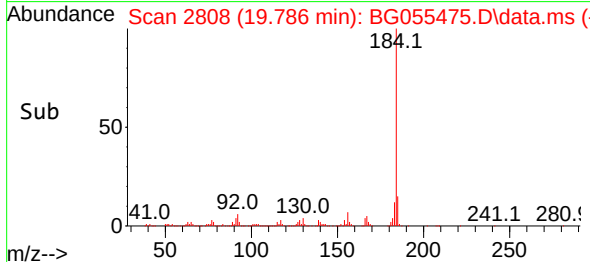
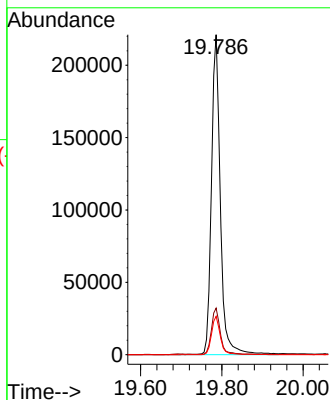
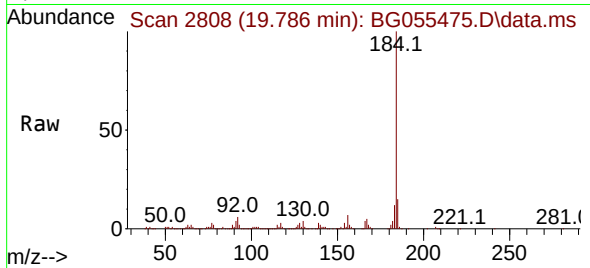




#77
Benzidine
Concen: 85.323 ng
RT: 19.786 min Scan# 2808
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

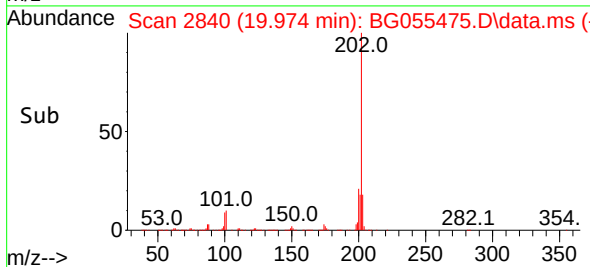
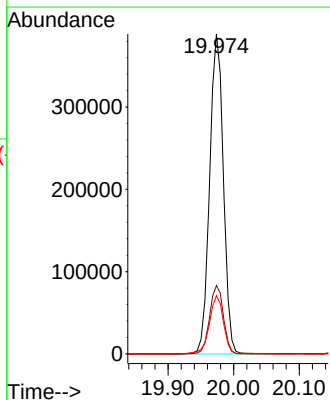
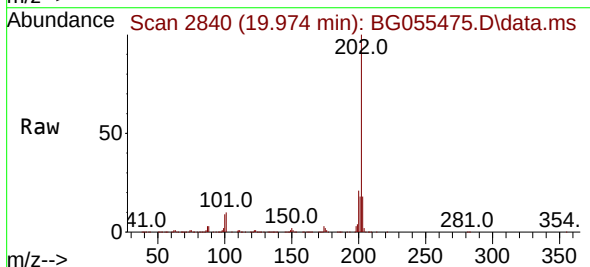
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

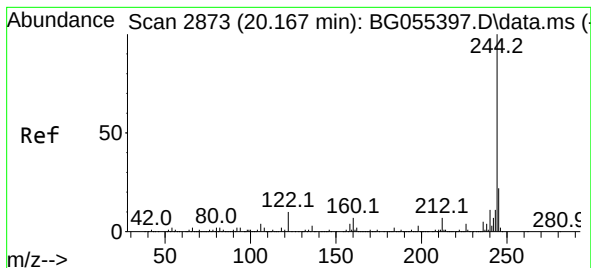
Tgt Ion:184 Resp: 334829
Ion Ratio Lower Upper
184 100
185 14.6 11.7 17.5
183 12.0 9.8 14.8



#78
Pyrene
Concen: 42.527 ng
RT: 19.974 min Scan# 2840
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:202 Resp: 565489
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 18.2 14.7 22.1





#79

Terphenyl-d14

Concen: 52.763 ng

RT: 20.150 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MS

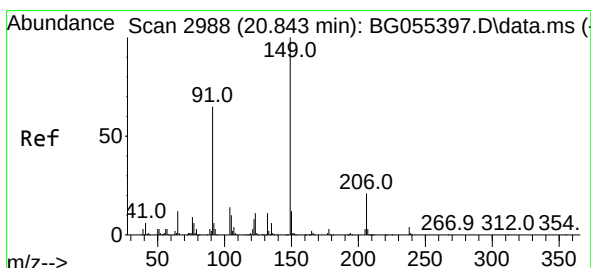
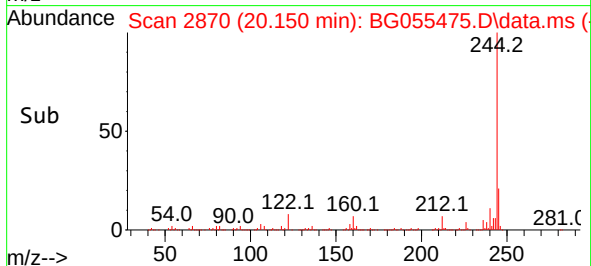
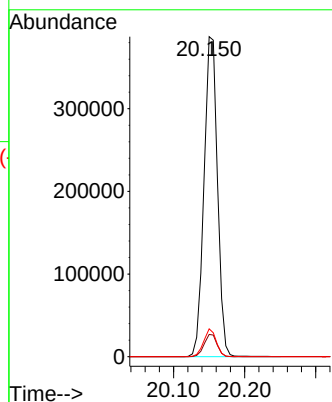
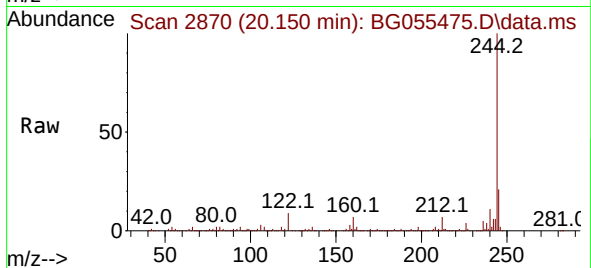
Tgt Ion:244 Resp: 511450

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 8.7 7.8 11.6



#80

Butylbenzylphthalate

Concen: 42.879 ng

RT: 20.826 min Scan# 2985

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

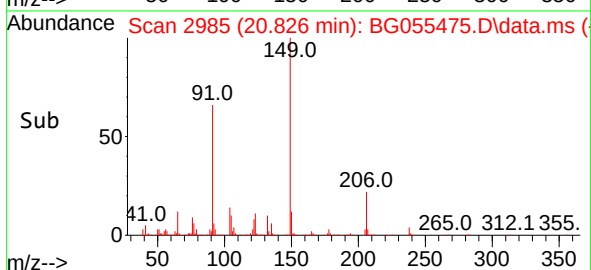
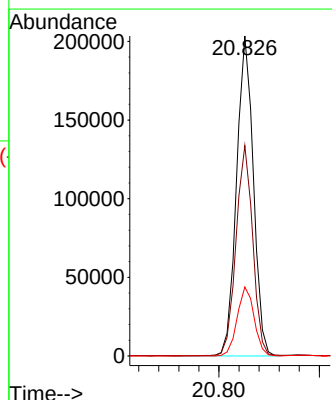
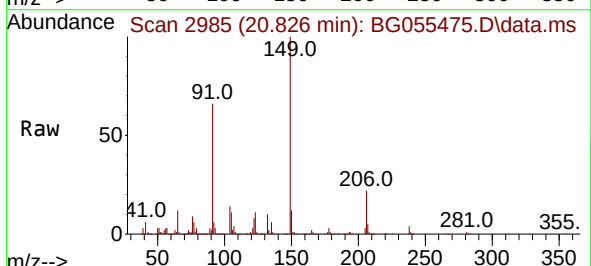
Tgt Ion:149 Resp: 237714

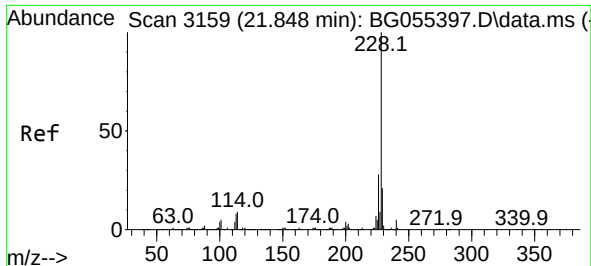
Ion Ratio Lower Upper

149 100

91 65.7 52.4 78.6

206 21.6 17.2 25.8

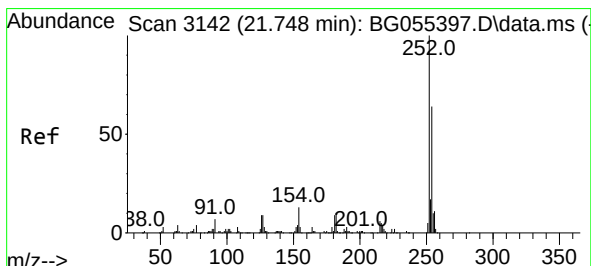
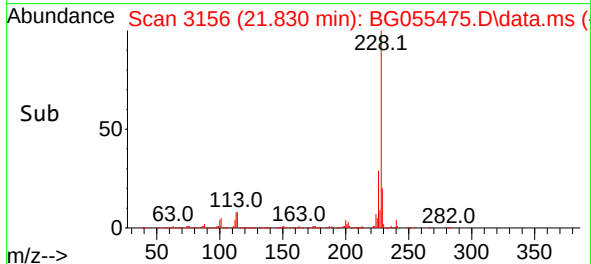
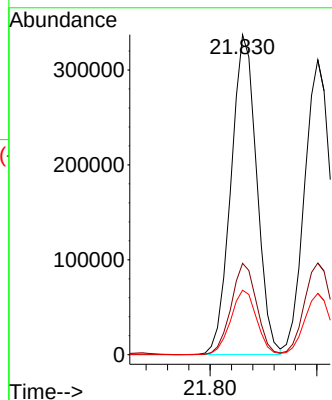
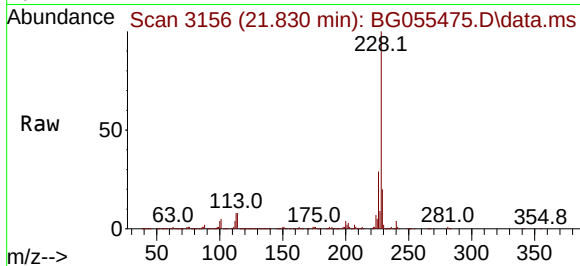




#81
Benzo(a)anthracene
Concen: 43.632 ng
RT: 21.830 min Scan# 3159
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

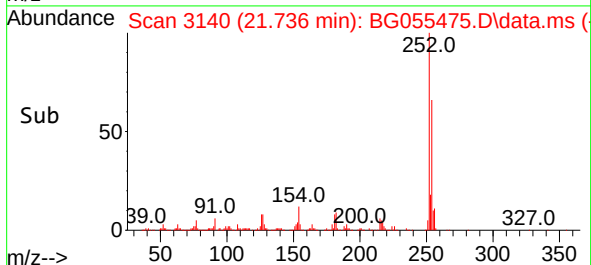
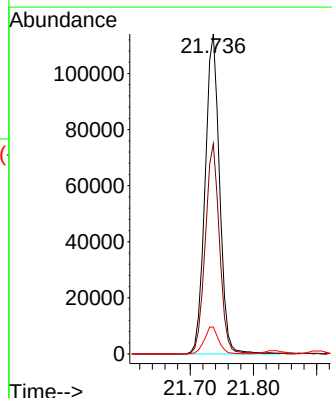
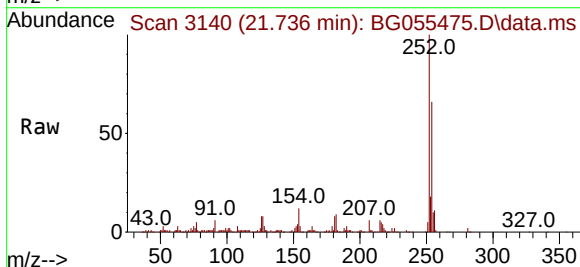
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

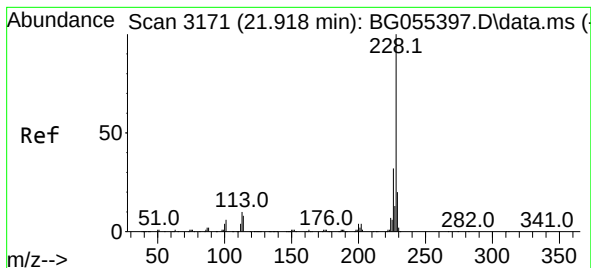
Tgt Ion:228 Resp: 564563
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 20.2 16.5 24.7



#82
3,3'-Dichlorobenzidine
Concen: 40.848 ng
RT: 21.736 min Scan# 3140
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:252 Resp: 181247
Ion Ratio Lower Upper
252 100
254 65.7 51.0 76.6
126 8.4 7.3 10.9





#83

Chrysene

Concen: 42.977 ng

RT: 21.901 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MS

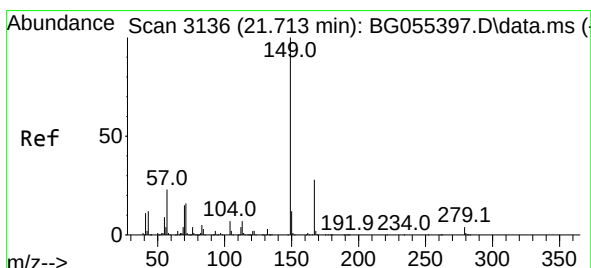
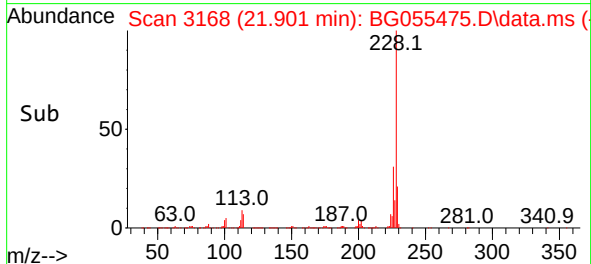
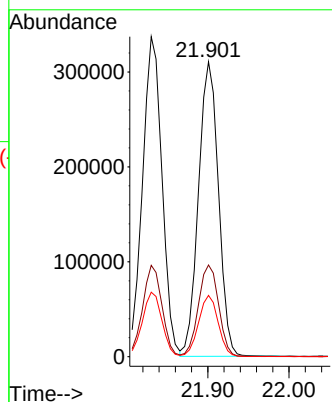
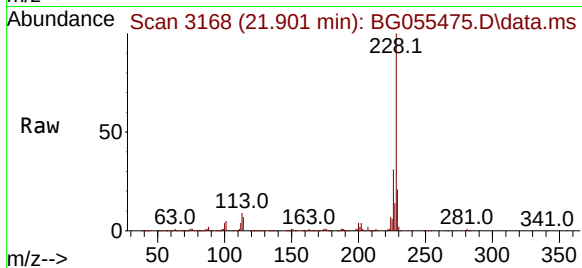
Tgt Ion:228 Resp: 530529

Ion Ratio Lower Upper

228 100

226 31.1 25.2 37.8

229 20.8 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.686 ng

RT: 21.695 min Scan# 3133

Delta R.T. 0.005 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

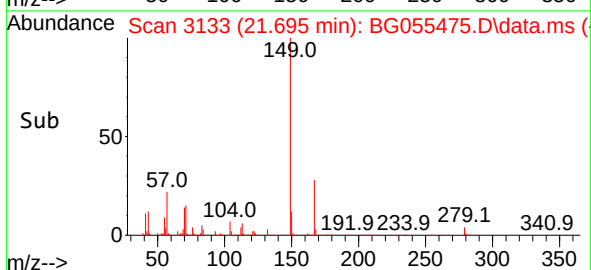
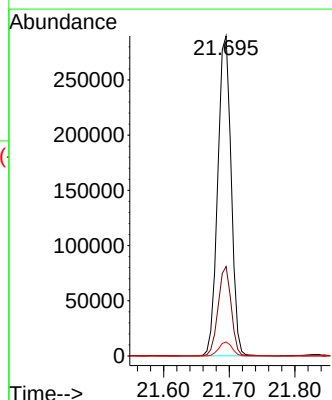
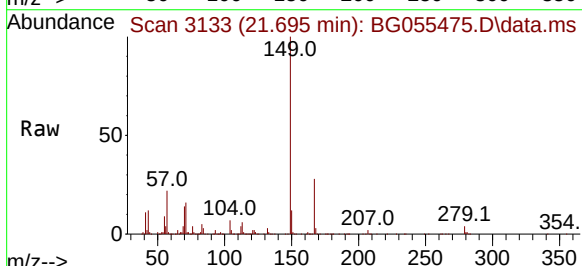
Tgt Ion:149 Resp: 408461

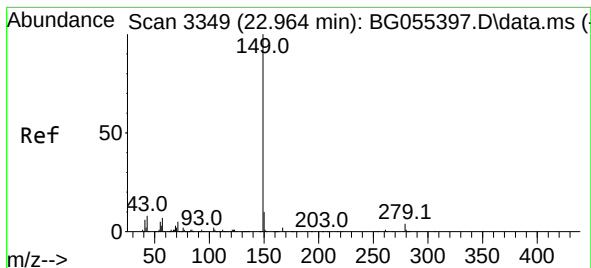
Ion Ratio Lower Upper

149 100

167 28.0 22.0 33.0

279 4.4 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 43.283 ng

RT: 22.941 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MS

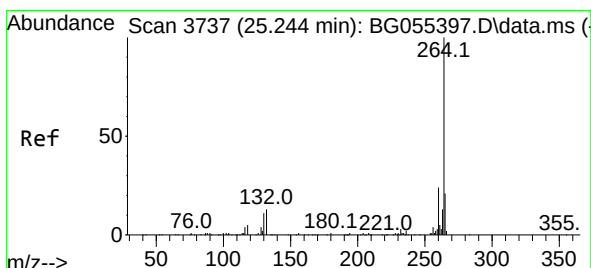
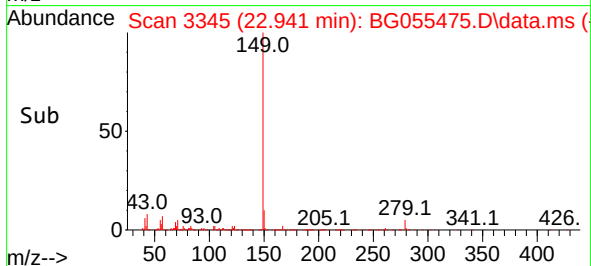
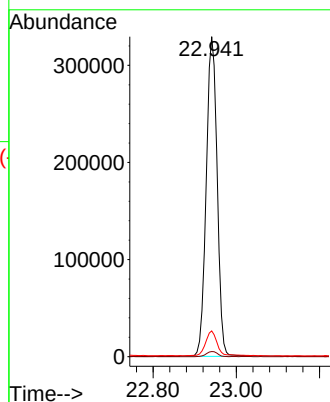
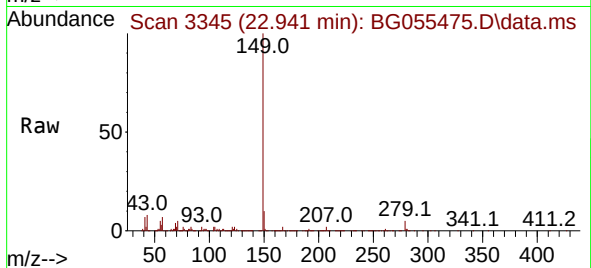
Tgt Ion:149 Resp: 597638

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 8.6 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.221 min Scan# 3733

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

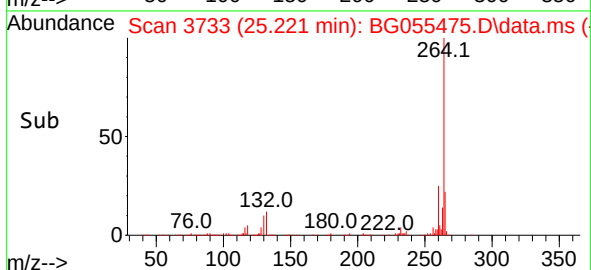
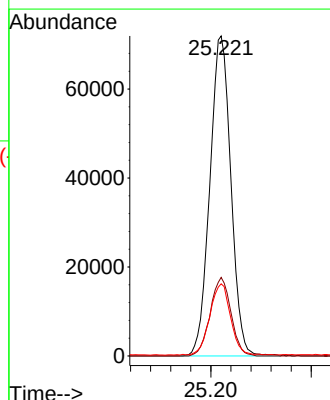
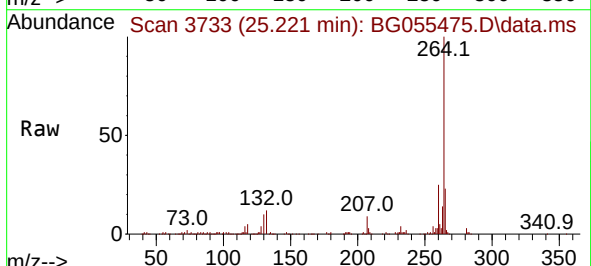
Tgt Ion:264 Resp: 209291

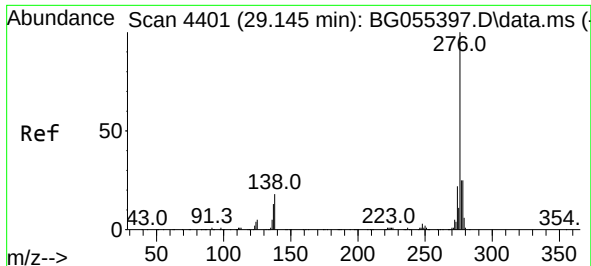
Ion Ratio Lower Upper

264 100

260 24.6 18.9 28.3

265 22.6 17.1 25.7

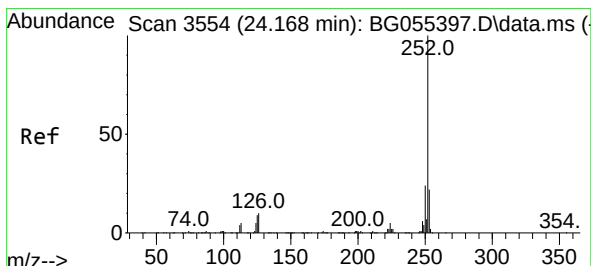
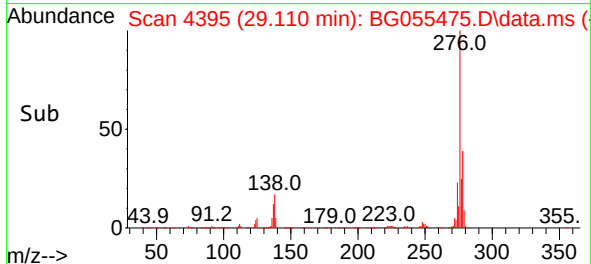
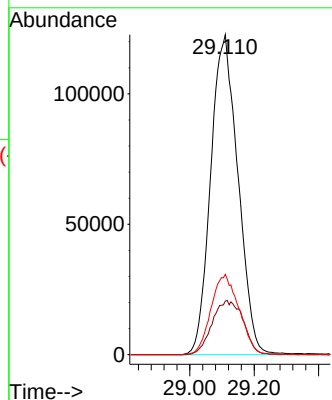
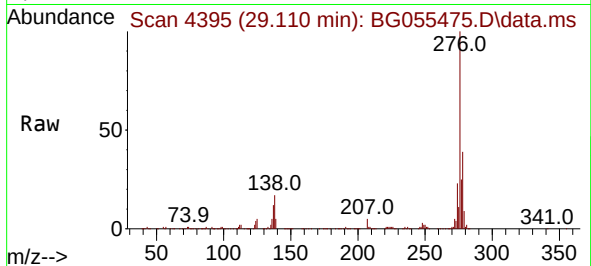




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 42.860 ng
 RT: 29.110 min Scan# 41
 Delta R.T. -0.001 min
 Lab File: BG055475.D
 Acq: 5 Nov 2022 18:13

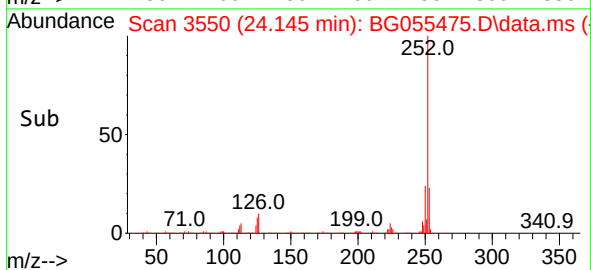
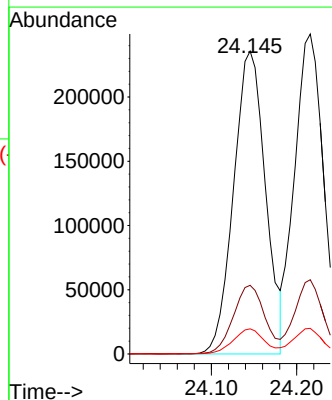
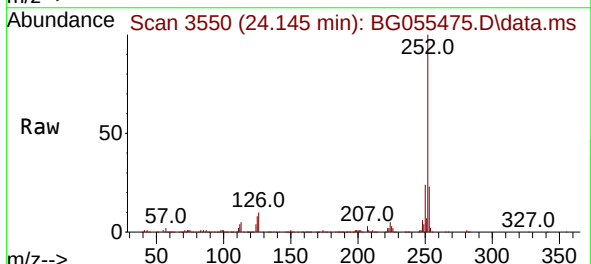
Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103MS

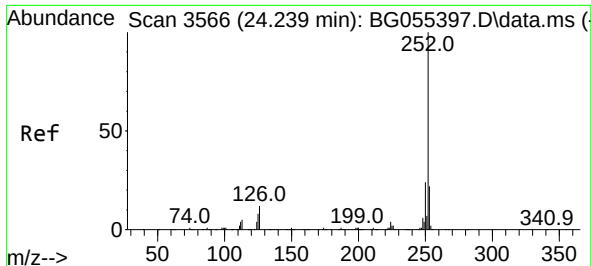
Tgt Ion:276 Resp: 720204
 Ion Ratio Lower Upper
 276 100
 138 19.4 16.2 24.2
 277 25.9 20.5 30.7



#88
 Benzo(b)fluoranthene
 Concen: 46.009 ng
 RT: 24.145 min Scan# 3550
 Delta R.T. -0.001 min
 Lab File: BG055475.D
 Acq: 5 Nov 2022 18:13

Tgt Ion:252 Resp: 611652
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.8 26.8
 125 8.3 6.8 10.2

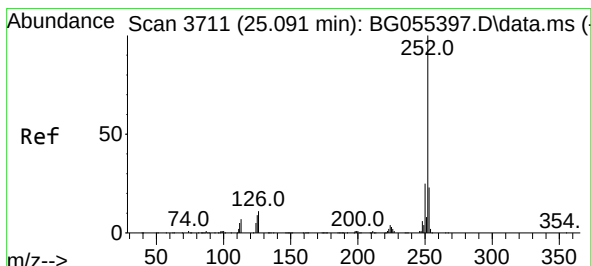
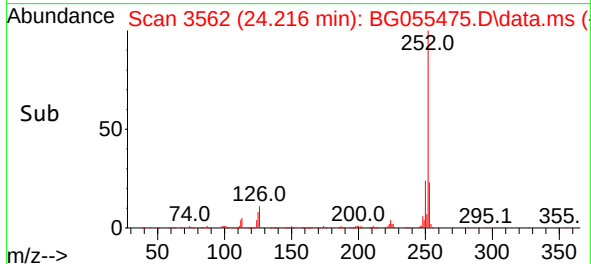
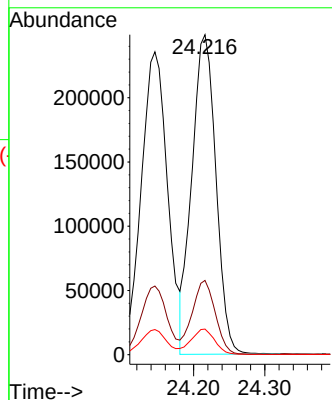
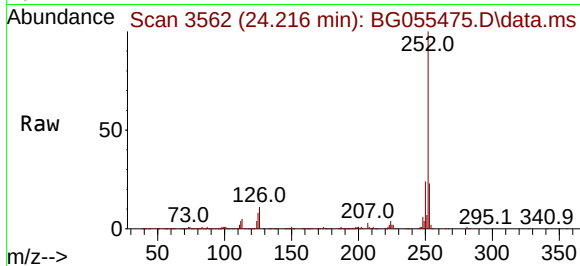




#89
Benzo(k)fluoranthene
Concen: 43.645 ng
RT: 24.216 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

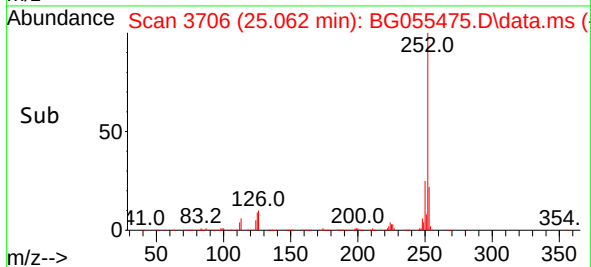
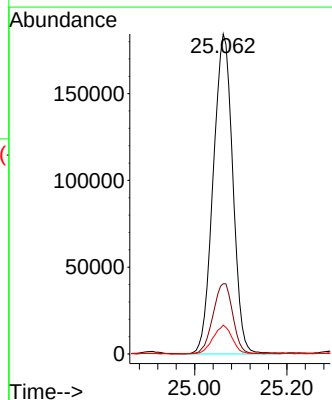
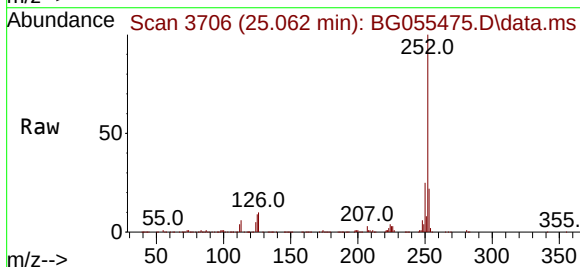
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MS

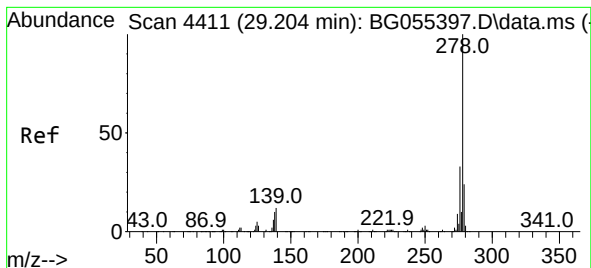
Tgt Ion:252 Resp: 583084
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 8.0 6.9 10.3



#90
Benzo(a)pyrene
Concen: 47.161 ng
RT: 25.062 min Scan# 3706
Delta R.T. -0.001 min
Lab File: BG055475.D
Acq: 5 Nov 2022 18:13

Tgt Ion:252 Resp: 542116
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.2
125 9.0 7.1 10.7





#91

Dibenzo(a,h)anthracene

Concen: 43.659 ng

RT: 29.151 min Scan# 4411

Delta R.T. -0.007 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MS

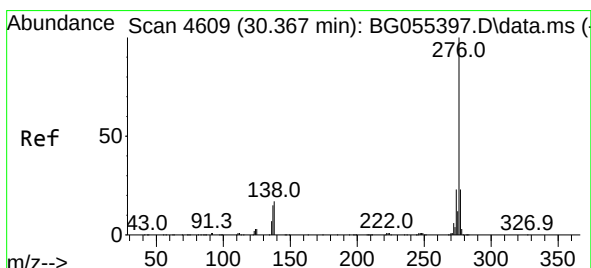
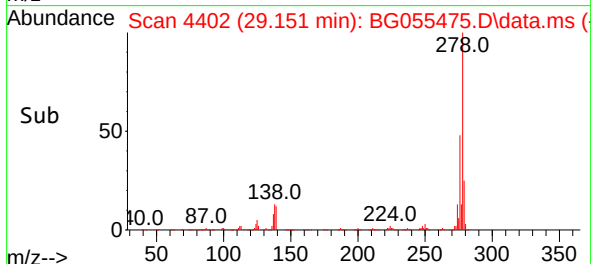
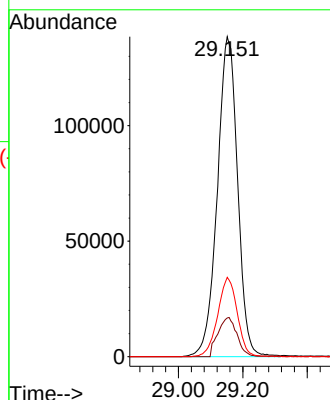
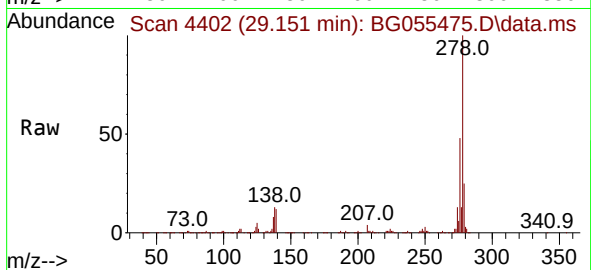
Tgt Ion:278 Resp: 605273

Ion Ratio Lower Upper

278 100

139 12.1 9.9 14.9

279 24.8 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 43.925 ng

RT: 30.320 min Scan# 4601

Delta R.T. -0.001 min

Lab File: BG055475.D

Acq: 5 Nov 2022 18:13

Tgt Ion:276 Resp: 605647

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 16.7 13.4 20.0

