

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055474.D
 Acq On : 5 Nov 2022 17:31
 Operator : CG/JU
 Sample : N5451-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103

Quant Time: Nov 07 00:56:41 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)

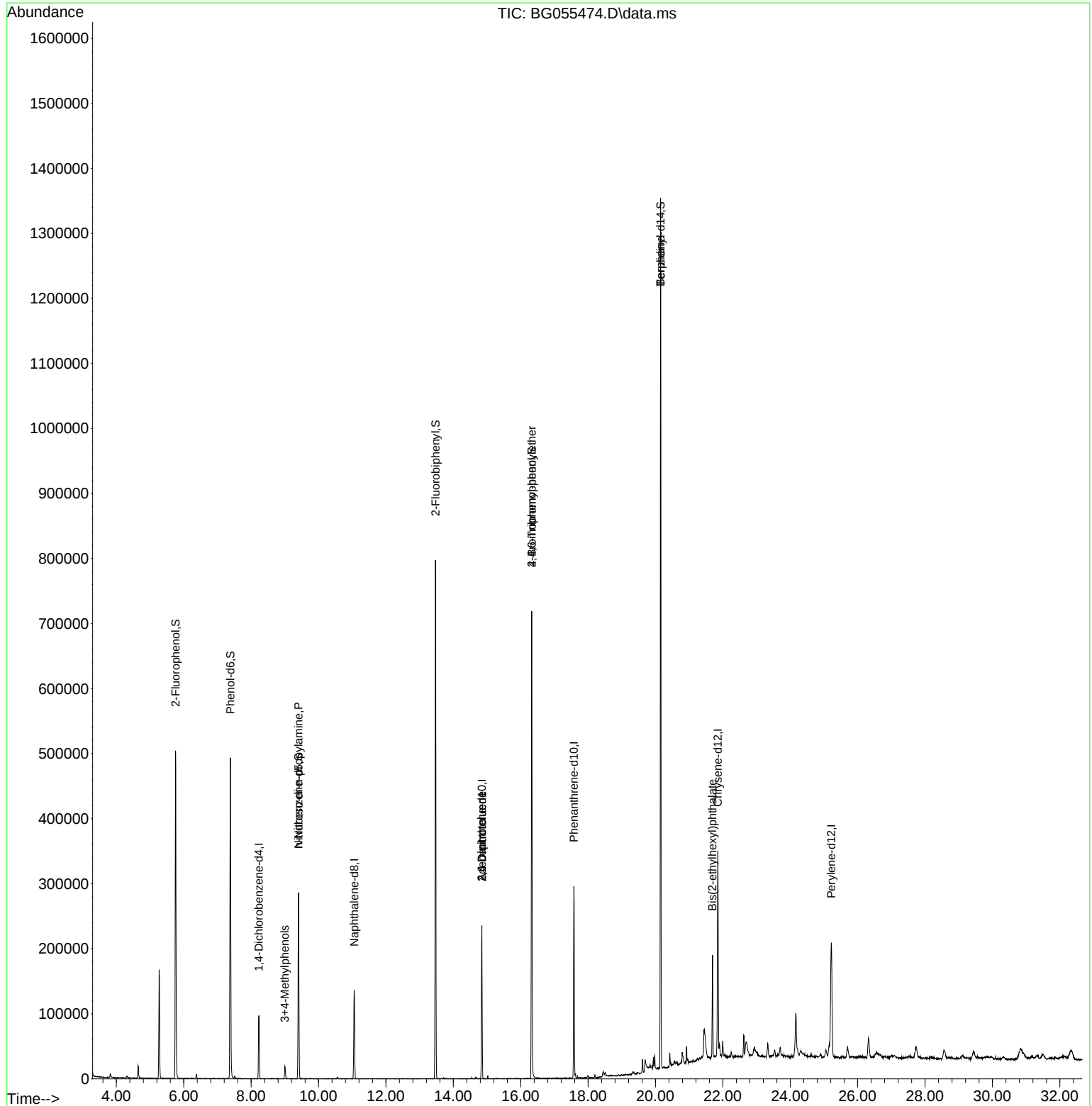
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	29356	20.000	ng	0.00
21) Naphthalene-d8	11.056	136	123508	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	82509	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	190480	20.000	ng	0.00
76) Chrysene-d12	21.849	240	194704	20.000	ng	0.00
86) Perylene-d12	25.216	264	208464	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	238145	145.685	ng	0.00
7) Phenol-d6	7.384	99	309534	136.547	ng	0.00
23) Nitrobenzene-d5	9.405	82	174891	75.467	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	159460	141.687	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	414998	74.574	ng	0.00
79) Terphenyl-d14	20.151	244	668502	66.764	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.405	70	23452	13.240	ng	# 84
20) 3+4-Methylphenols	8.999	107	11351	4.327	ng	94
51) 2,6-Dinitrotoluene	14.845	165	11063	7.673	ng	# 27
57) 2,4-Dinitrotoluene	14.845	165	11063	5.366	ng	# 25
67) 4-Bromophenyl-phenylether	16.326	248	9804	4.354	ng	# 1
77) Benzidine	20.151	184	9109	2.247	ng	# 89
84) Bis(2-ethylhexyl)phtha...	21.690	149	72726	8.737	ng	97

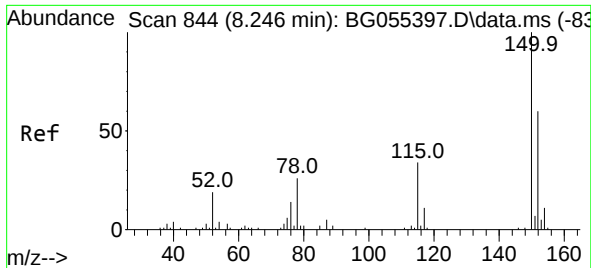
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
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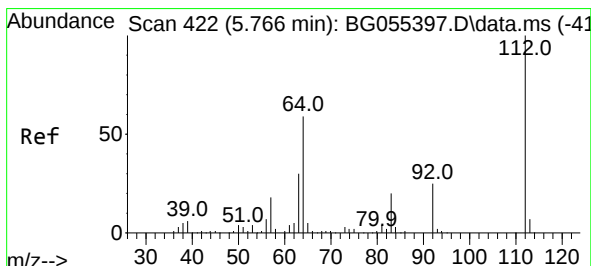
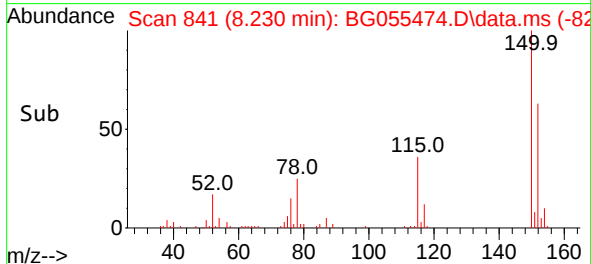
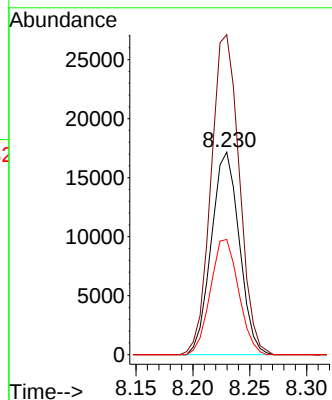
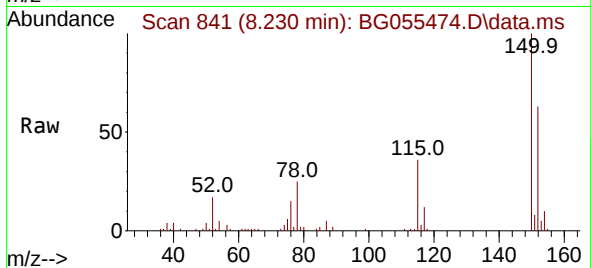




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.230 min Scan# 84
Delta R.T. -0.000 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

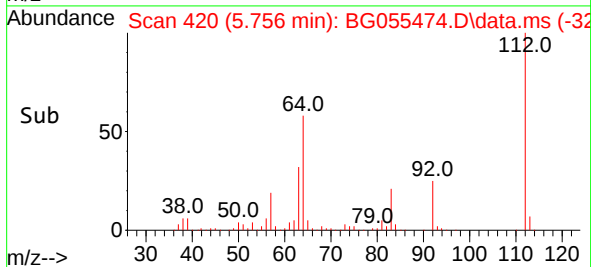
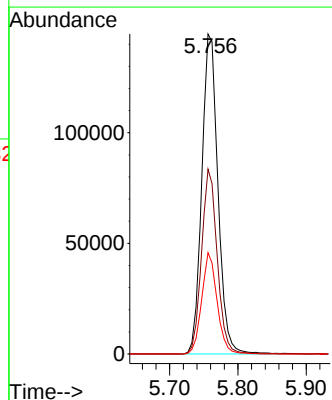
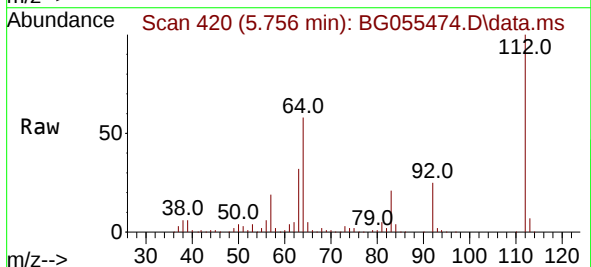
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103

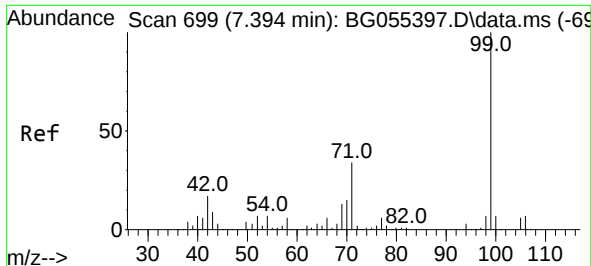
Tgt Ion:152 Resp: 29356
Ion Ratio Lower Upper
152 100
150 157.9 132.8 199.2
115 56.8 45.1 67.7



#5
2-Fluorophenol
Concen: 145.685 ng
RT: 5.756 min Scan# 420
Delta R.T. 0.006 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

Tgt Ion:112 Resp: 238145
Ion Ratio Lower Upper
112 100
64 57.7 47.2 70.8
63 31.7 24.3 36.5

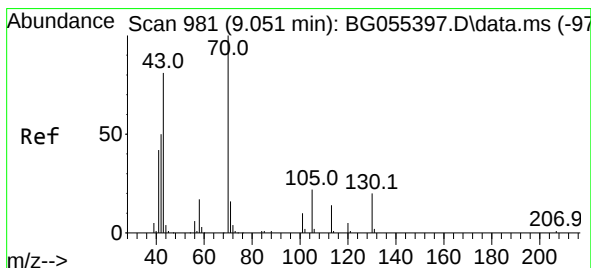
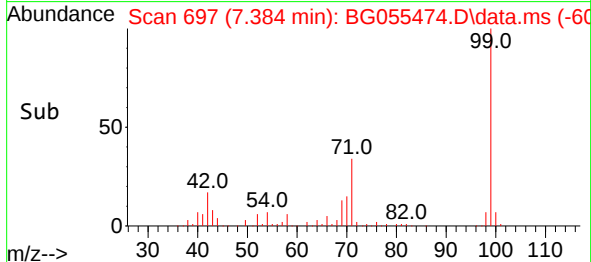
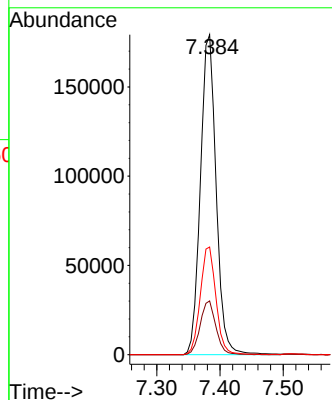
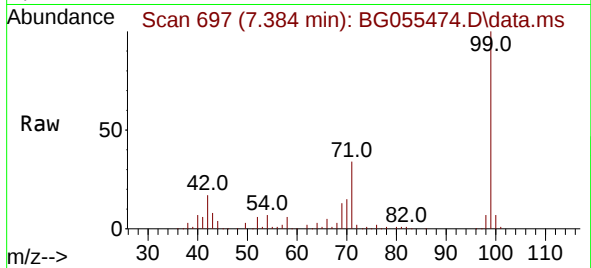




#7
Phenol-d6
Concen: 136.547 ng
RT: 7.384 min Scan# 697
Delta R.T. 0.006 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

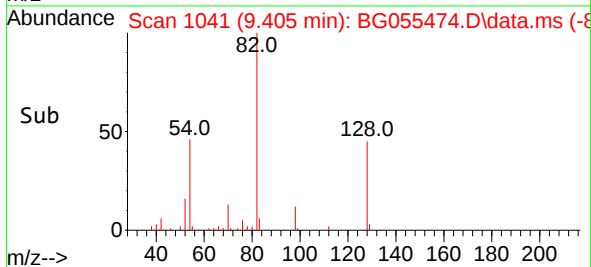
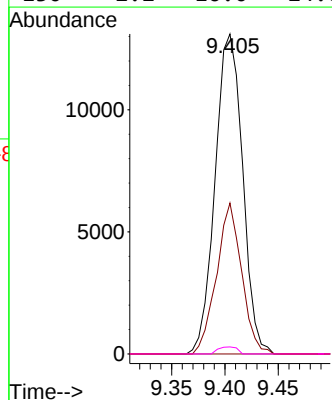
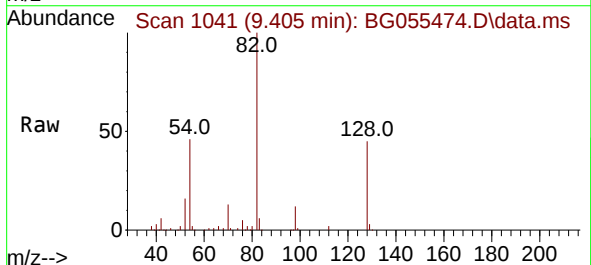
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103

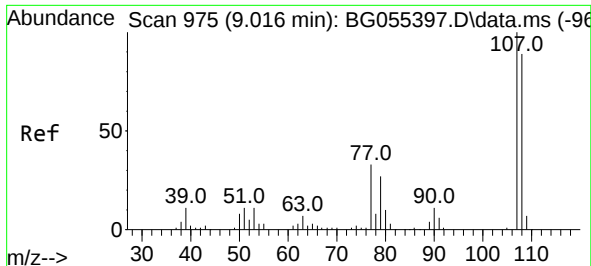
Tgt Ion: 99 Resp: 309534
Ion Ratio Lower Upper
99 100
42 16.8 13.5 20.3
71 33.6 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.240 ng
RT: 9.405 min Scan# 1041
Delta R.T. 0.370 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

Tgt Ion: 70 Resp: 23452
Ion Ratio Lower Upper
70 100
42 47.1 40.6 61.0
101 0.0 7.8 11.6#
130 2.2 16.0 24.0#

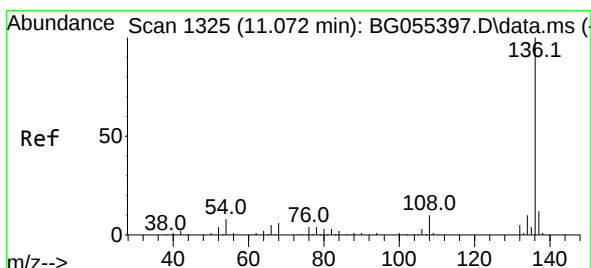
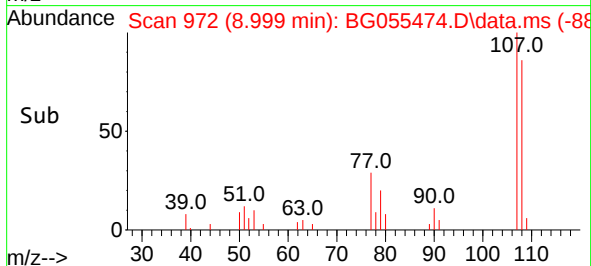
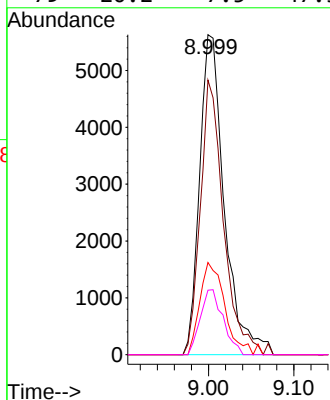
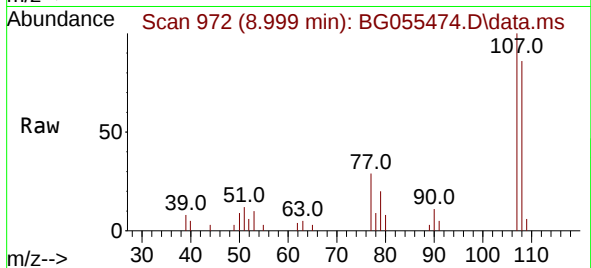




#20
3+4-Methylphenols
Concen: 4.327 ng
RT: 8.999 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

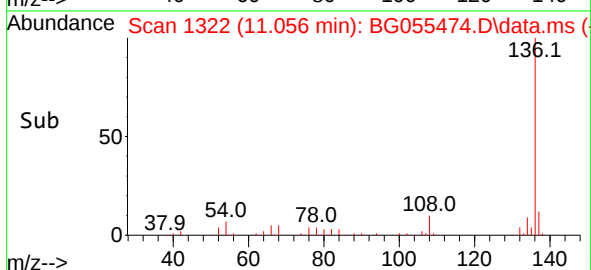
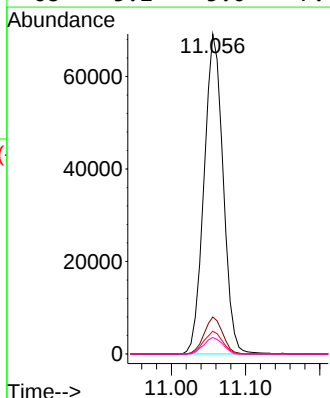
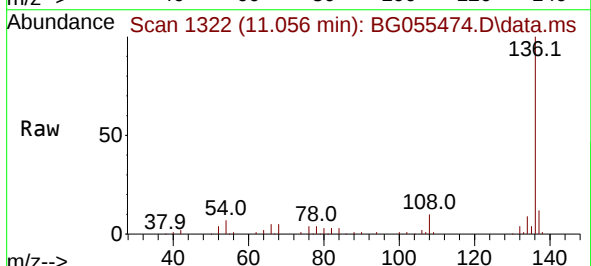
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103

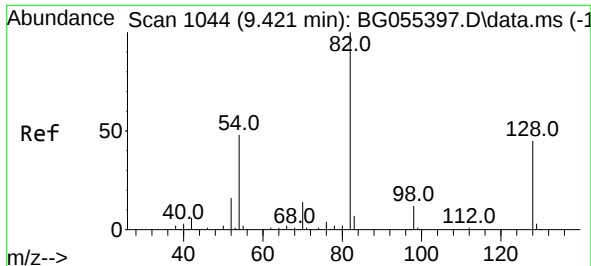
Tgt Ion:107	Resp:	11351
Ion Ratio	Lower	Upper
107	100	
108	85.8	69.1 109.1
77	28.8	12.8 52.8
79	20.2	7.5 47.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.056 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

Tgt Ion:136	Resp:	123508
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.4 14.2
54	7.1	6.1 9.1
68	5.2	5.0 7.4

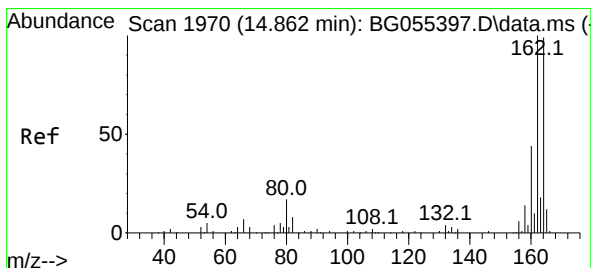
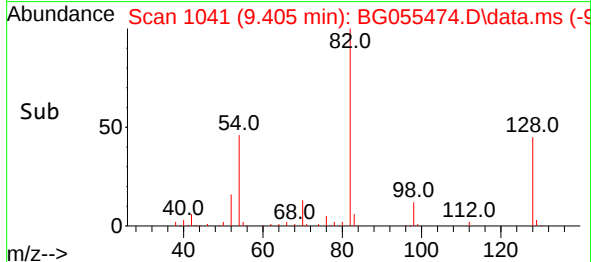
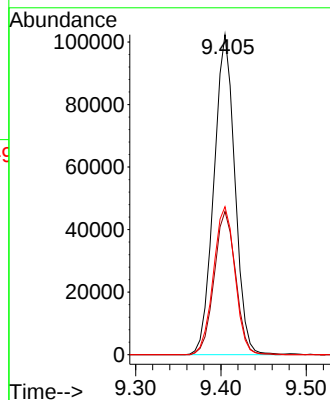
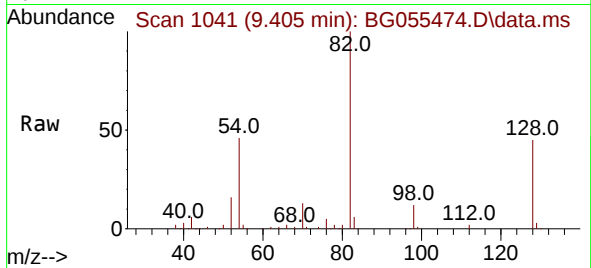




#23
Nitrobenzene-d5
Concen: 75.467 ng
RT: 9.405 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

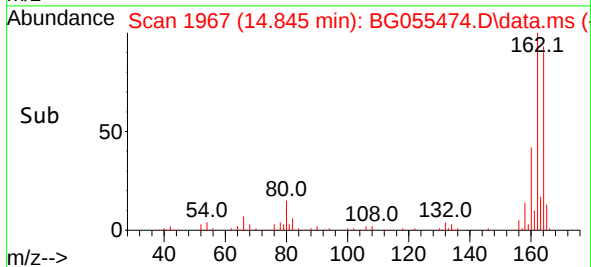
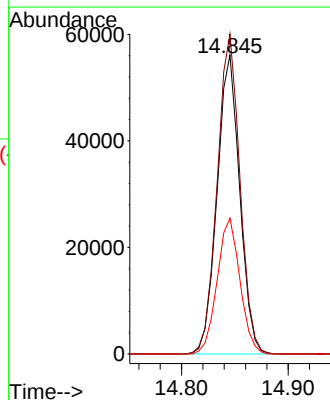
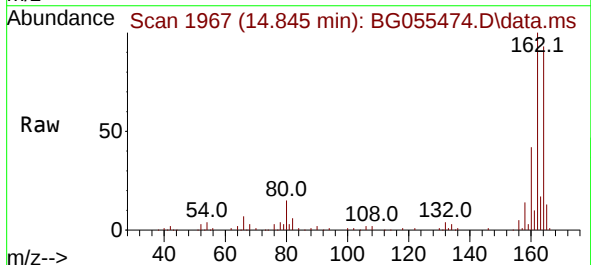
Instrument :
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ClientSampleId :
LFR-SOIL-1103

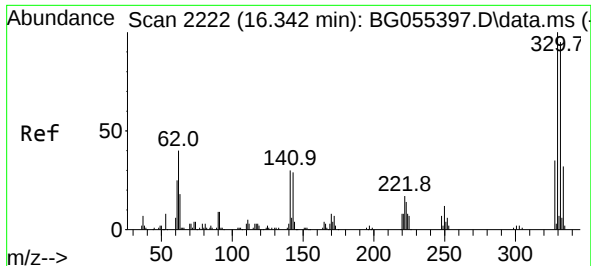
Tgt Ion: 82 Resp: 174891
Ion Ratio Lower Upper
82 100
128 44.8 35.8 53.8
54 46.3 38.1 57.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

Tgt Ion: 164 Resp: 82509
Ion Ratio Lower Upper
164 100
162 107.0 81.1 121.7
160 45.4 35.8 53.6

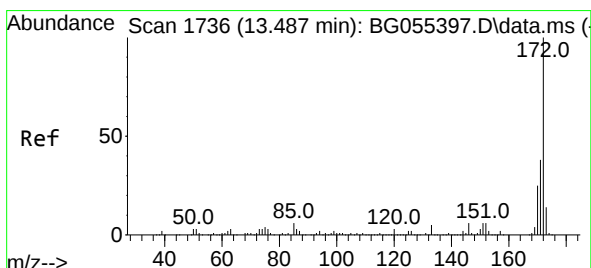
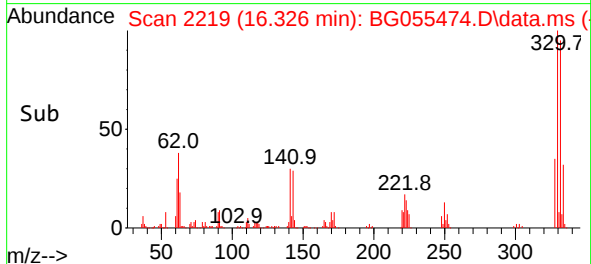
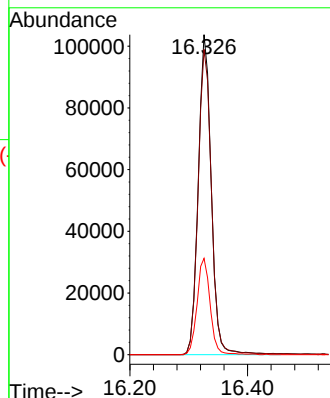
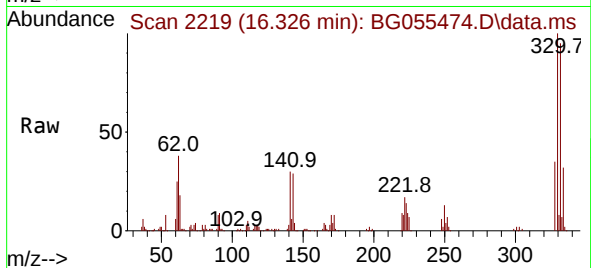




#42
 2,4,6-Tribromophenol
 Concen: 141.687 ng
 RT: 16.326 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG055474.D
 Acq: 5 Nov 2022 17:31

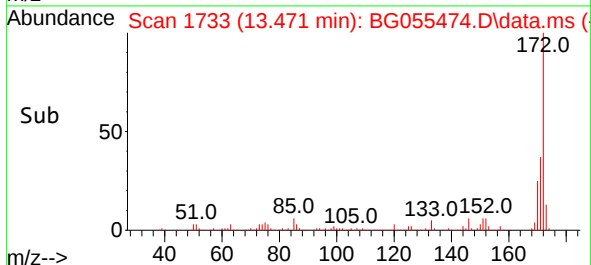
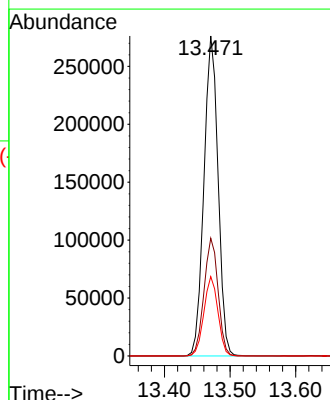
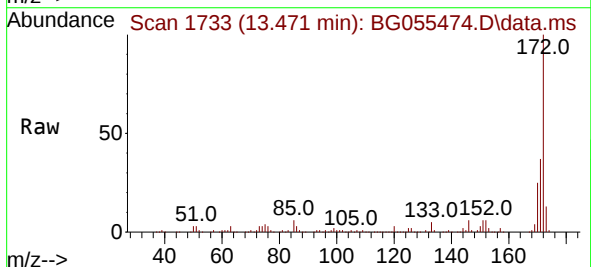
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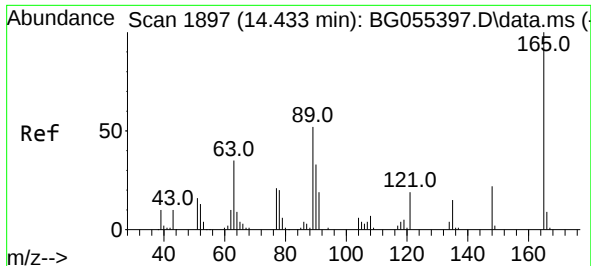
Tgt Ion:330 Resp: 159460
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.8 116.6
 141 30.1 24.2 36.2



#45
 2-Fluorobiphenyl
 Concen: 74.574 ng
 RT: 13.471 min Scan# 1733
 Delta R.T. -0.000 min
 Lab File: BG055474.D
 Acq: 5 Nov 2022 17:31

Tgt Ion:172 Resp: 414998
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.2 45.2
 170 24.8 20.2 30.2

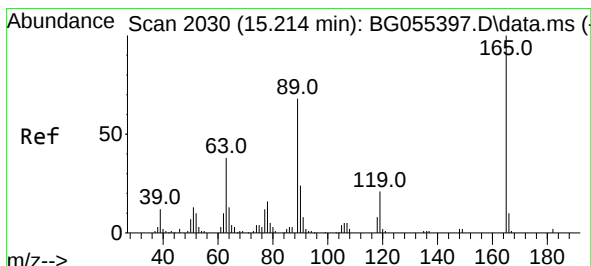
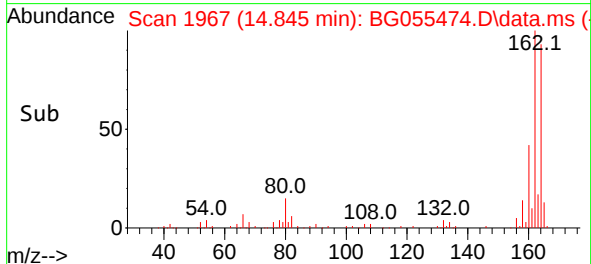
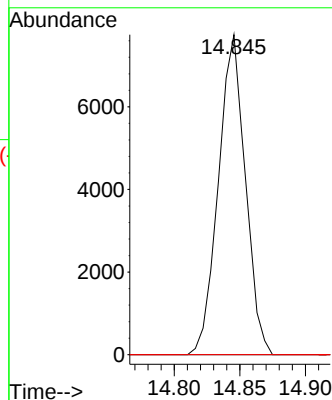
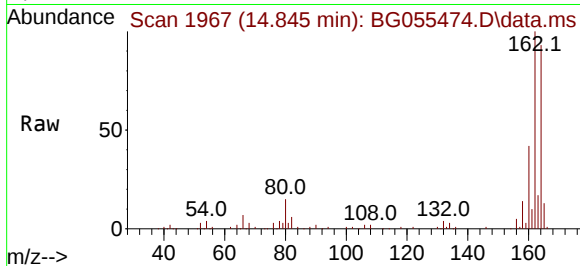




#51
2,6-Dinitrotoluene
Concen: 7.673 ng
RT: 14.845 min Scan# 1967
Delta R.T. 0.423 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

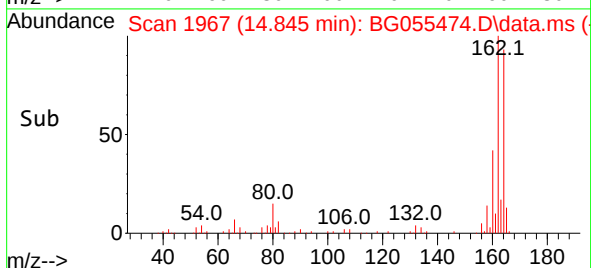
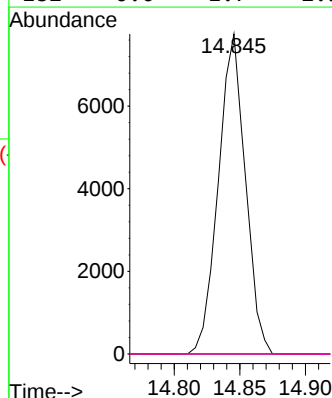
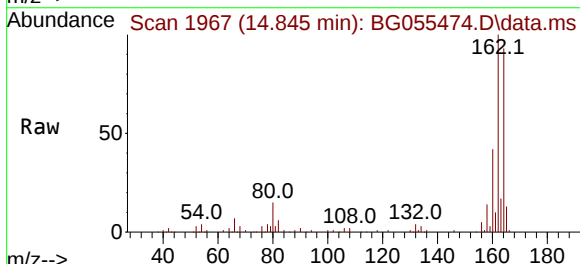
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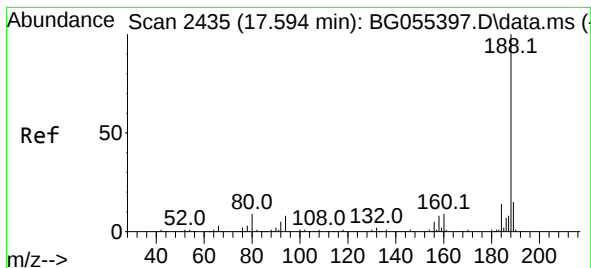
Tgt Ion:165 Resp: 11063
Ion Ratio Lower Upper
165 100
63 0.0 38.2 57.4#
89 0.0 41.8 62.6#



#57
2,4-Dinitrotoluene
Concen: 5.366 ng
RT: 14.845 min Scan# 1967
Delta R.T. -0.359 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

Tgt Ion:165 Resp: 11063
Ion Ratio Lower Upper
165 100
63 0.0 30.8 46.2#
89 0.0 54.5 81.7#
182 0.0 1.7 2.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.578 min Scan# 2435

Delta R.T. -0.006 min

Lab File: BG055474.D

Acq: 5 Nov 2022 17:31

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103

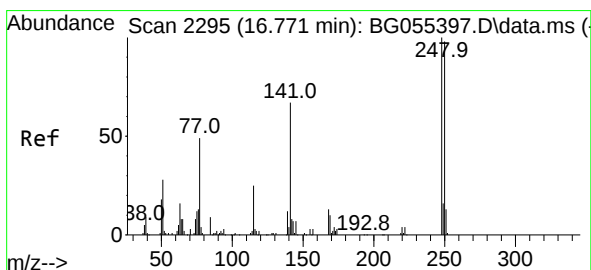
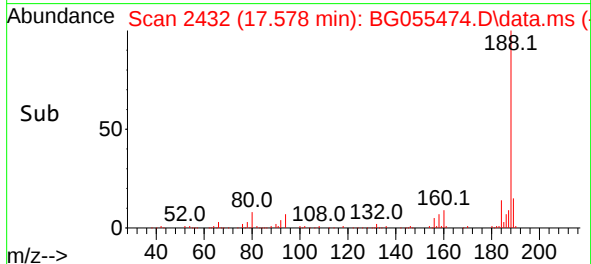
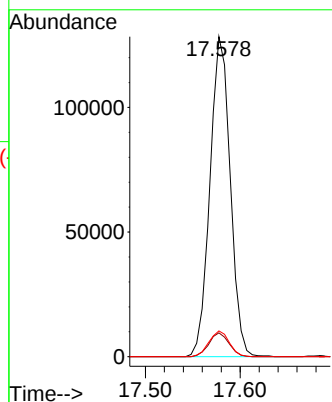
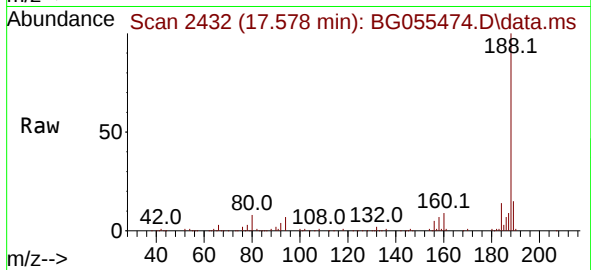
Tgt Ion:188 Resp: 190480

Ion Ratio Lower Upper

188 100

94 7.5 6.5 9.7

80 8.1 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 4.354 ng

RT: 16.326 min Scan# 2219

Delta R.T. -0.435 min

Lab File: BG055474.D

Acq: 5 Nov 2022 17:31

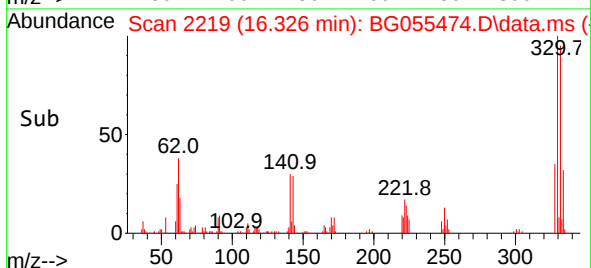
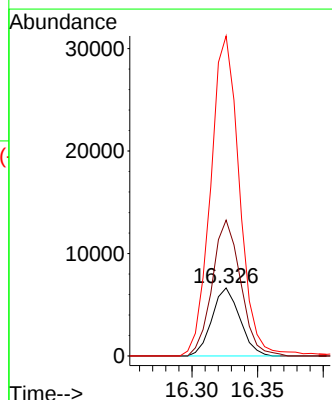
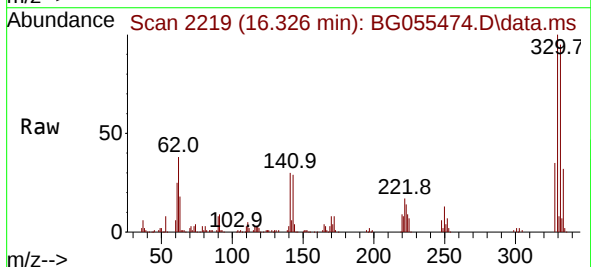
Tgt Ion:248 Resp: 9804

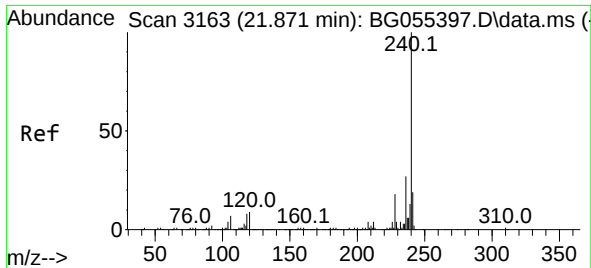
Ion Ratio Lower Upper

248 100

250 199.6 78.3 117.5#

141 470.3 53.7 80.5#

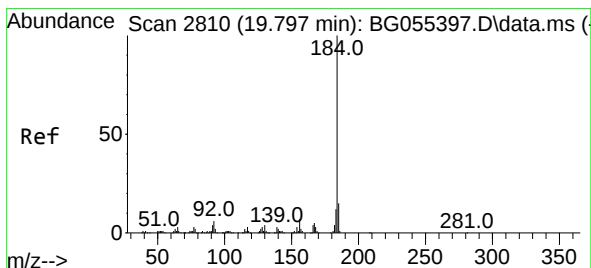
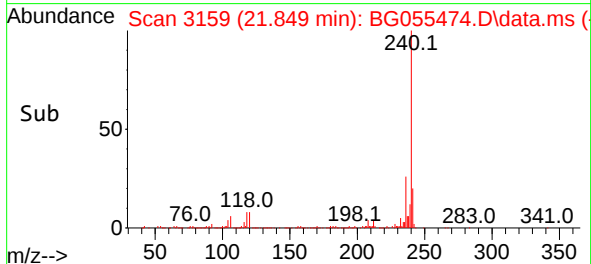
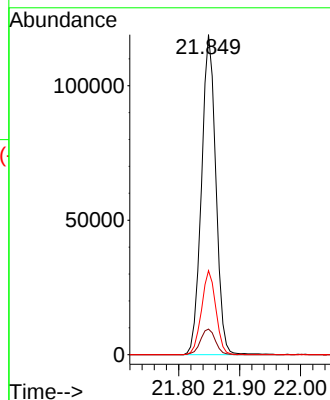
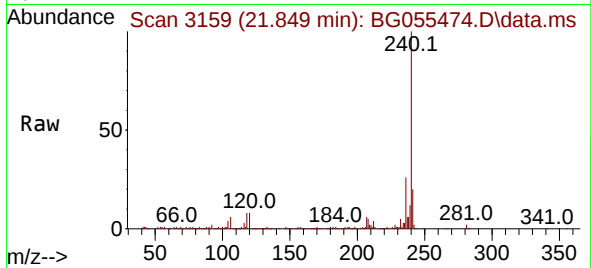




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3163
Delta R.T. -0.006 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

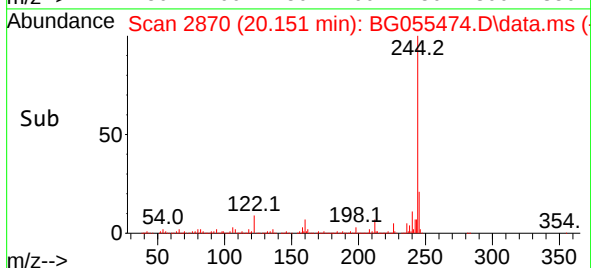
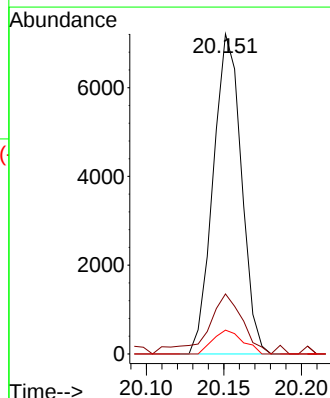
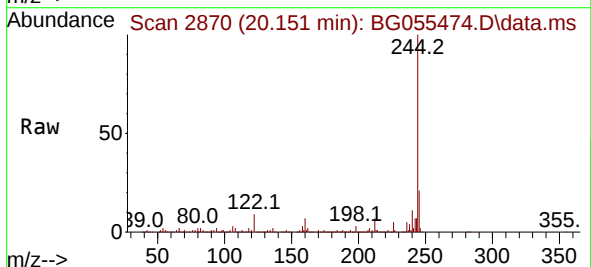
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103

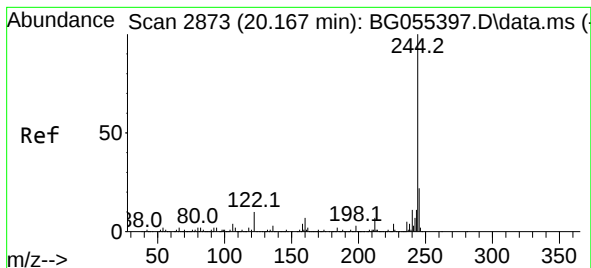
Tgt Ion:240 Resp: 194704
Ion Ratio Lower Upper
240 100
120 8.0 6.9 10.3
236 26.2 21.5 32.3



#77
Benzidine
Concen: 2.247 ng
RT: 20.151 min Scan# 2870
Delta R.T. 0.364 min
Lab File: BG055474.D
Acq: 5 Nov 2022 17:31

Tgt Ion:184 Resp: 9109
Ion Ratio Lower Upper
184 100
185 18.8 11.7 17.5#
183 7.5 9.8 14.8#





#79

Terphenyl-d14

Concen: 66.764 ng

RT: 20.151 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG055474.D

Acq: 5 Nov 2022 17:31

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103

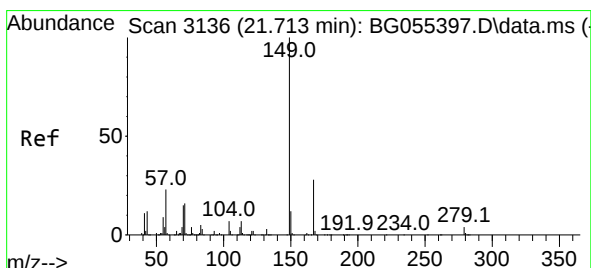
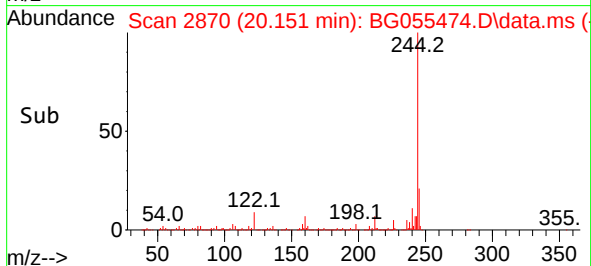
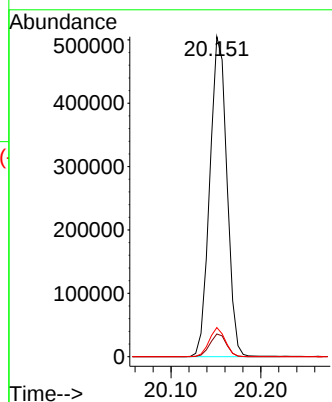
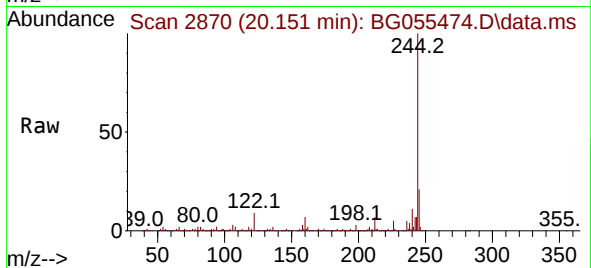
Tgt Ion:244 Resp: 668502

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 9.1 7.8 11.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.737 ng

RT: 21.690 min Scan# 3132

Delta R.T. -0.000 min

Lab File: BG055474.D

Acq: 5 Nov 2022 17:31

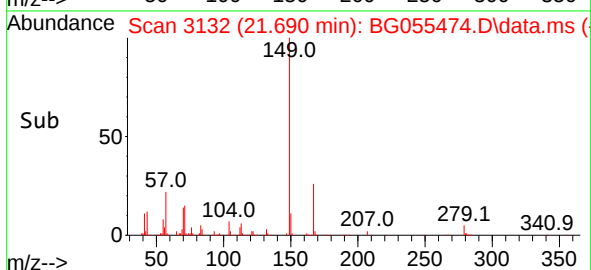
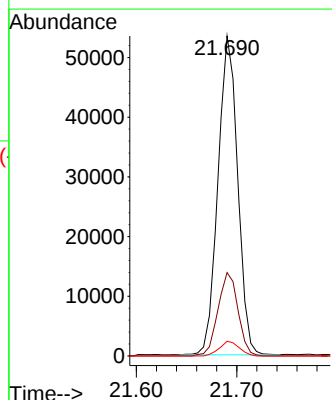
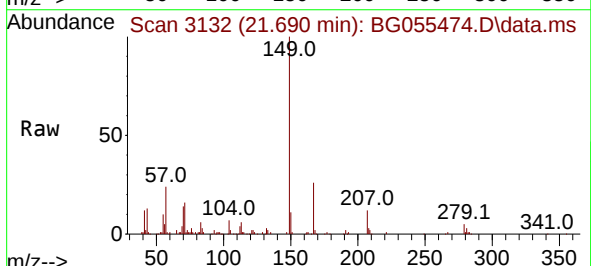
Tgt Ion:149 Resp: 72726

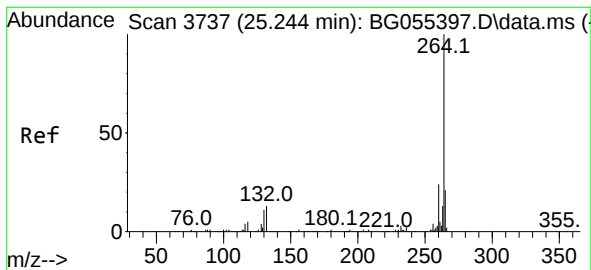
Ion Ratio Lower Upper

149 100

167 26.1 22.0 33.0

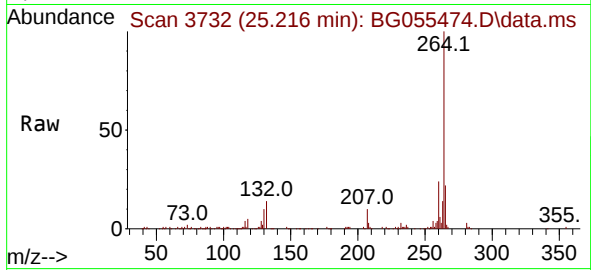
279 4.6 3.4 5.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.216 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BG055474.D
 Acq: 5 Nov 2022 17:31

Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103



Tgt Ion:264 Resp: 208464
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.9 28.3
 265 22.4 17.1 25.7

