

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
 Data File : BG047220.D
 Acq On : 5 Nov 2020 11:23
 Operator : CG/JU
 Sample : L4548-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Nov 05 12:13:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG110420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 04 16:19:40 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.003	152	48147	20.00	ng	0.00
21) Naphthalene-d8	10.817	136	211667	20.00	ng	# 0.00
39) Acenaphthene-d10	14.642	164	152207	20.00	ng	0.00
64) Phenanthrene-d10	17.392	188	357696	20.00	ng	# 0.00
76) Chrysene-d12	21.651	240	355490	20.00	ng	# 0.00
86) Perylene-d12	24.836	264	367422	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.558	112	393466	132.47	ng	0.00
7) Phenol-d6	7.162	99	580580	135.03	ng	0.00
23) Nitrobenzene-d5	9.172	82	399576	81.01	ng	0.00
42) 2,4,6-Tribromophenol	16.128	330	315649	123.84	ng	0.00
45) 2-Fluorobiphenyl	13.267	172	960517	80.94	ng	0.00
79) Terphenyl-d14	19.994	244	1595236	78.91	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	7.574	93	13048	2.57	ng	# 1
8) 2-Chlorophenol	7.568	128	514721	163.22	ng	93
10) Phenol	7.186	94	11243	2.76	ng	# 54
11) bis(2-Chloroethyl)ether	7.574	93	13048	4.03	ng	# 1
12) 1,3-Dichlorobenzene	7.897	146	526681	128.32	ng	# 95
13) 1,4-Dichlorobenzene	7.897	146	526681	127.78	ng	96
14) 1,2-Dichlorobenzene	8.361	146	833143	213.12	ng	96
17) 2-Methylphenol	8.361	107	6840	2.48	ng	# 80
18) Hexachloroethane	9.095	117	322913	213.98	ng	98
24) Nitrobenzene	9.225	77	1222348	243.56	ng	91
26) 2-Nitrophenol	9.936	139	561500	259.42	ng	# 79
27) 2,4-Dimethylphenol	9.930	122	35242	12.13	ng	# 8
28) bis(2-Chloroethoxy)met...	10.218	93	377955	73.89	ng	99
30) 1,2,4-Trichlorobenzene	10.682	180	940596	190.01	ng	99
31) Naphthalene	10.870	128	1358992	112.13	ng	99
32) Benzoic acid	9.930	122	35242	17.13	ng	# 8
33) 4-Chloroaniline	10.870	127	189896	37.25	ng	# 34
34) Hexachlorobutadiene	11.152	225	682405	182.18	ng	98
37) 2-Methylnaphthalene	12.474	142	928572	101.96	ng	# 95
38) 1-Methylnaphthalene	12.474	142	928572	107.29	ng	95
43) 2,4,6-Trichlorophenol	13.073	196	498660	127.64	ng	92
44) 2,4,5-Trichlorophenol	13.073	196	498660	125.71	ng	# 85
47) 2-Chloronaphthalene	13.073	162	40758	4.01	ng	# 59
49) Acenaphthylene	14.372	152	2287510	153.86	ng	95
50) Dimethylphthalate	14.095	163	94083	7.00	ng	100
51) 2,6-Dinitrotoluene	14.219	165	363367	130.33	ng	# 71
52) Acenaphthene	14.712	154	1392708	146.53	ng	96
55) Dibenzofuran	15.047	168	2902617	185.74	ng	# 82
56) 4-Nitrophenol	14.853	139	215747	100.37	ng	# 65
57) 2,4-Dinitrotoluene	15.006	165	510418	125.39	ng	# 79
58) Fluorene	15.694	166	839406	66.83	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.265	232	9710	2.33	ng	# 73
60) Diethylphthalate	15.459	149	2265265	170.61	ng	95
62) 4-Nitroaniline	15.694	138	10248	3.44	ng	# 26
67) 4-Bromophenyl-phenylether	16.581	248	844388	169.02	ng	96
68) Hexachlorobenzene	16.698	284	595781	109.76	ng	97

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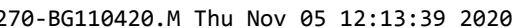
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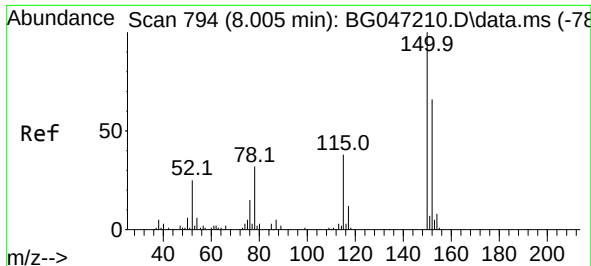
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) Atrazine	17.039	200	84270	17.91	ng	# 35
70) Pentachlorophenol	17.039	266	434498	146.89	ng	98
71) Phenanthrene	17.439	178	2666697	128.47	ng	94
72) Anthracene	17.439	178	2666697	132.24	ng	93
75) Fluoranthene	19.442	202	1919223	72.59	ng	96
77) Benzidine	19.994	184	28949	2.43	ng	99
78) Pyrene	19.801	202	1068335	43.15	ng	98
80) Butylbenzylphthalate	20.682	149	1455803	155.88	ng	89
81) Benzo(a)anthracene	21.634	228	1958810	77.73	ng	98
83) Chrysene	21.704	228	2435194	100.40	ng	94
84) Bis(2-ethylhexyl)phtha...	21.534	149	1373477	105.14	ng	99
85) Di-n-octyl phthalate	22.732	149	1531800	69.77	ng	# 96
87) Indeno(1,2,3-cd)pyrene	28.531	276	3828471	137.27	ng	# 90
88) Benzo(b)fluoranthene	23.902	252	2819155	112.39	ng	# 97
89) Benzo(k)fluoranthene	23.902	252	2819155	115.06	ng	# 96
90) Benzo(a)pyrene	24.695	252	1523104	65.06	ng	# 96
91) Dibenzo(a,h)anthracene	28.526	278	111446	4.91	ng	# 67

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

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QLast Update : Wed Nov 04 16:19:40 2020
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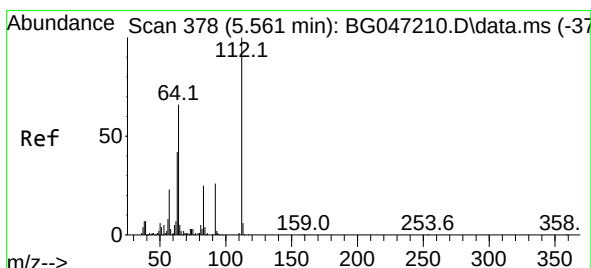
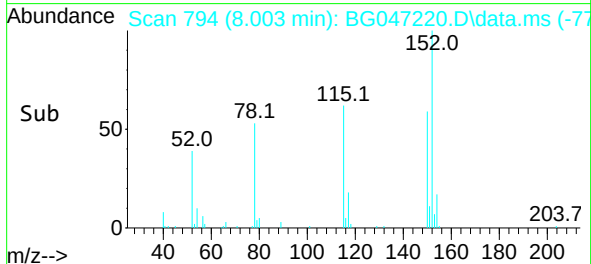
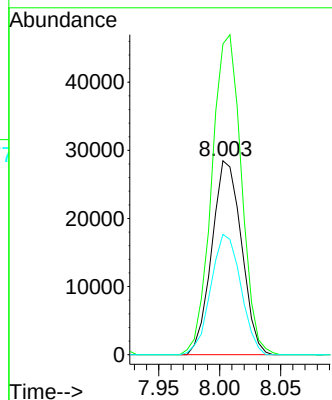
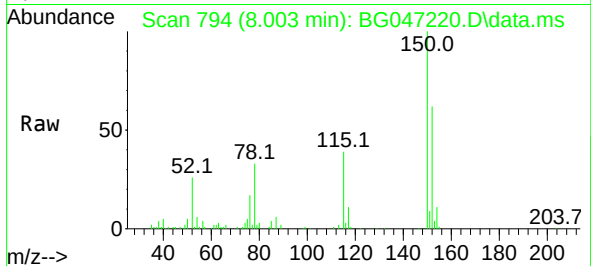




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.003 min Scan# 794
Delta R.T. -0.002 min
Lab File: BG047220.D
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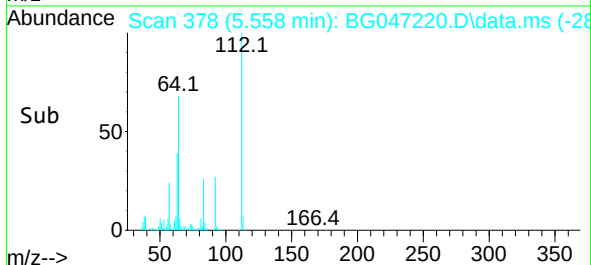
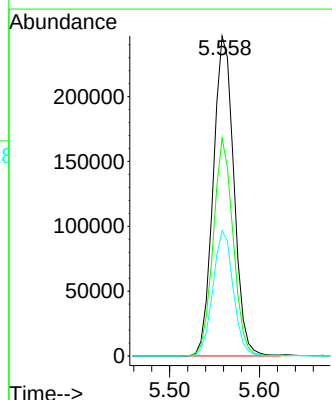
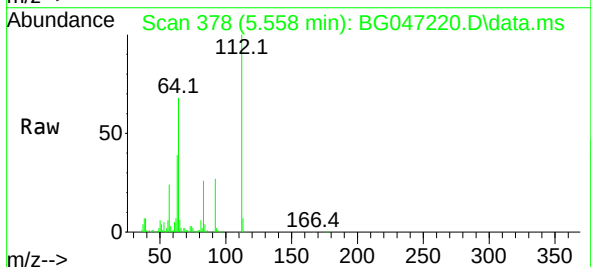
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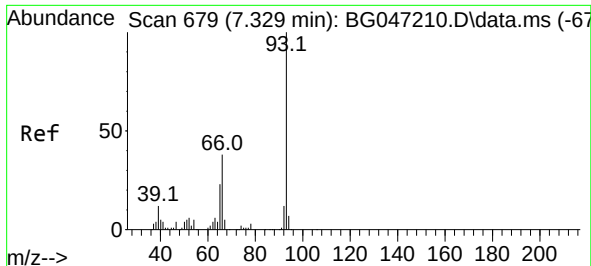
Tgt Ion:152 Resp: 48147
Ion Ratio Lower Upper
152 100
150 160.3 125.0 187.6
115 62.1 41.8 62.6



#5
2-Fluorophenol
Concen: 132.47 ng
RT: 5.558 min Scan# 378
Delta R.T. -0.002 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:112 Resp: 393466
Ion Ratio Lower Upper
112 100
64 68.1 46.7 70.1
63 39.2 22.8 34.2#

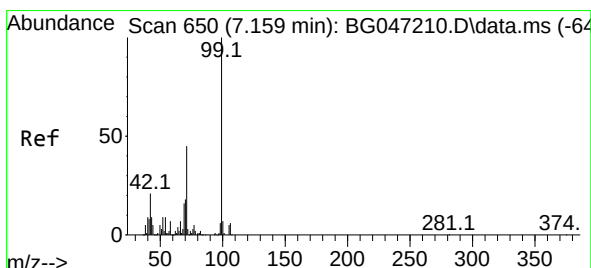
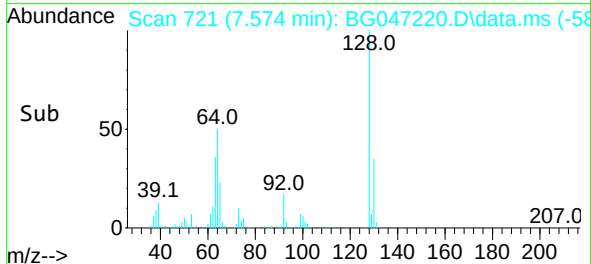
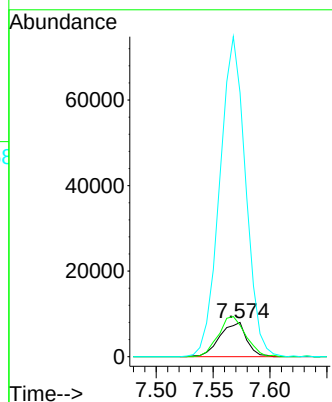
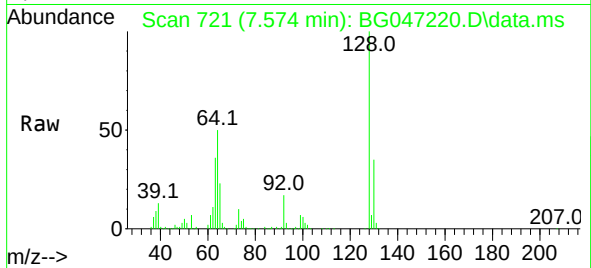




#6
Aniline
Concen: 2.57 ng
RT: 7.574 min Scan# 721
Delta R.T. 0.244 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

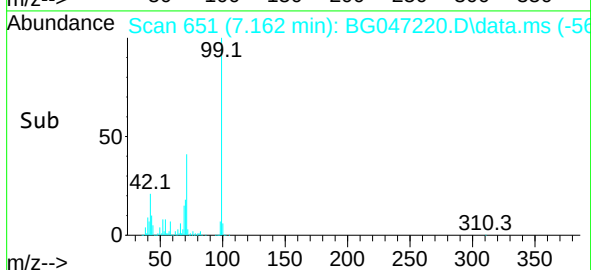
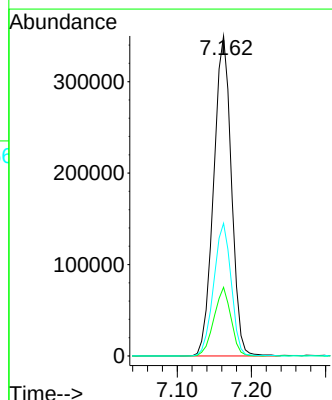
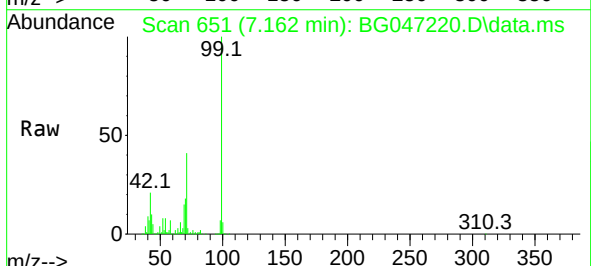
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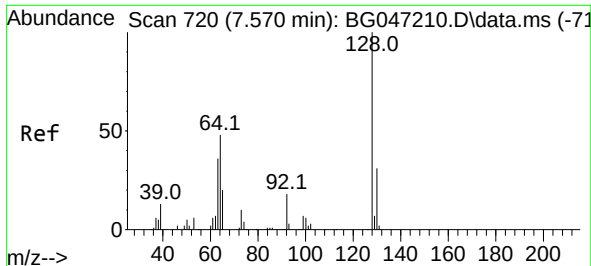
Tgt Ion: 93 Resp: 13048
Ion Ratio Lower Upper
93 100
66 92.3 29.5 44.3#
65 771.0 15.5 23.3#



#7
Phenol-d6
Concen: 135.03 ng
RT: 7.162 min Scan# 651
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion: 99 Resp: 580580
Ion Ratio Lower Upper
99 100
42 21.4 12.8 19.2#
71 41.4 24.6 36.8#

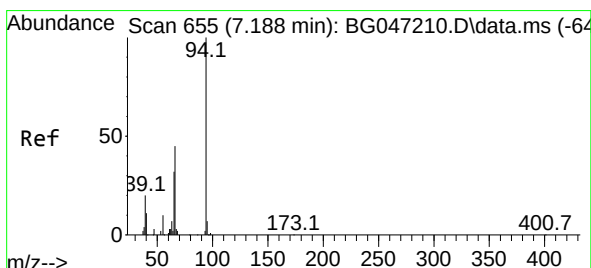
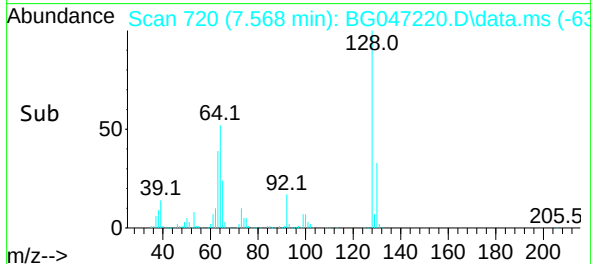
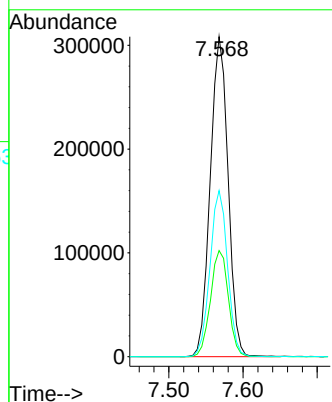
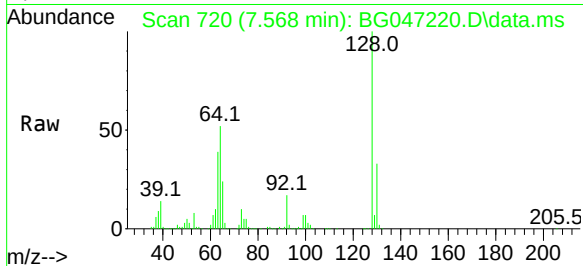




#8
2-Chlorophenol
Concen: 163.22 ng
RT: 7.568 min Scan# 720
Delta R.T. -0.002 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

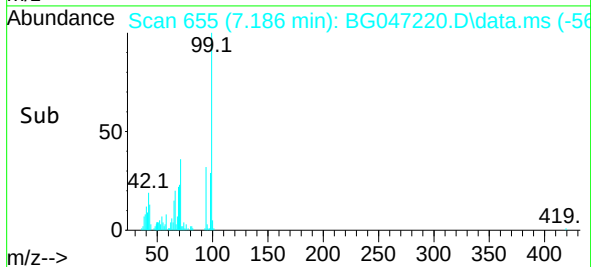
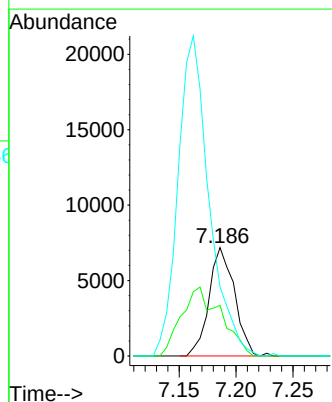
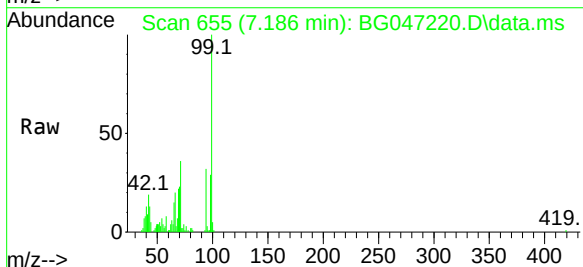
Instrument :
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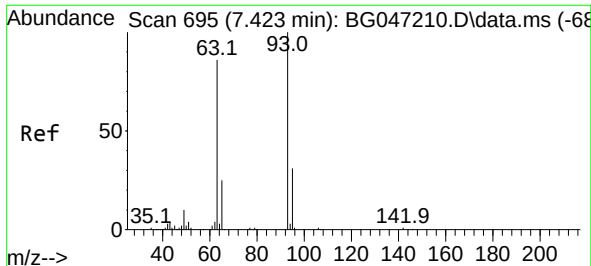
Tgt Ion:	128	Resp:	514721
Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.6	52.6
64	51.9	24.8	64.8



#10
Phenol
Concen: 2.76 ng
RT: 7.186 min Scan# 655
Delta R.T. -0.002 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:	94	Resp:	11243
Ion	Ratio	Lower	Upper
94	100		
65	46.7	6.6	46.6#
66	63.7	13.9	53.9#

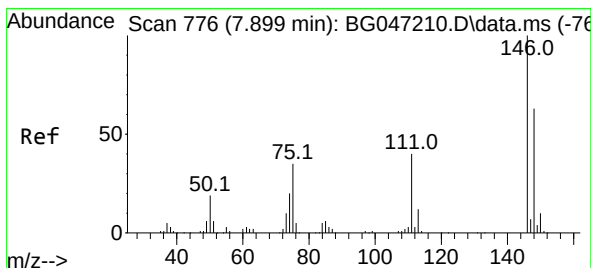
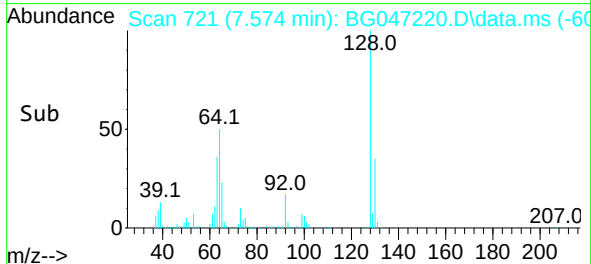
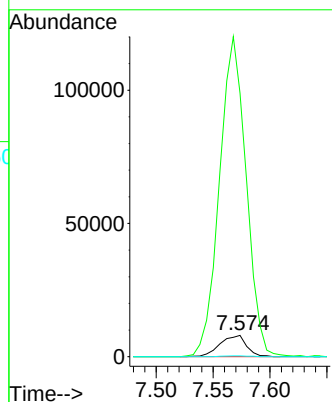
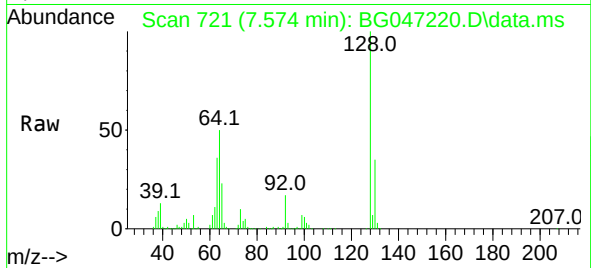




#11
bis(2-Chloroethyl)ether
Concen: 4.03 ng
RT: 7.574 min Scan# 721
Delta R.T. 0.150 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

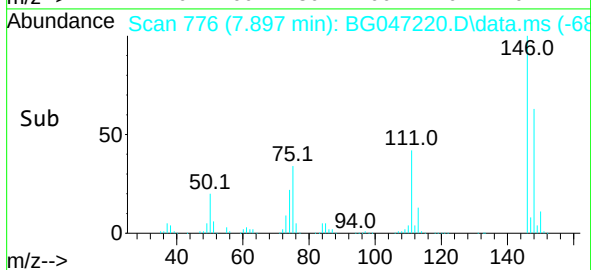
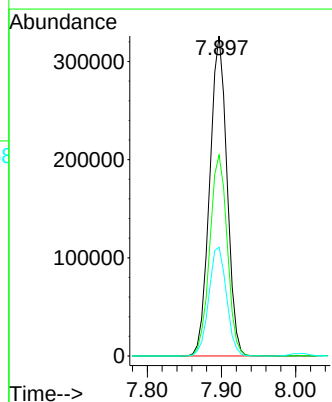
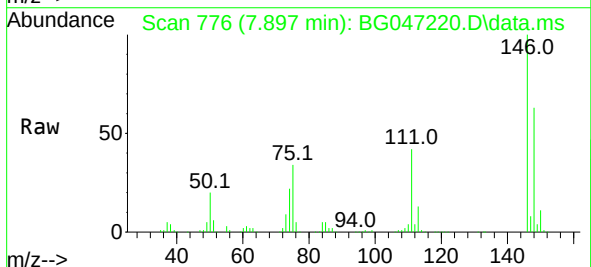
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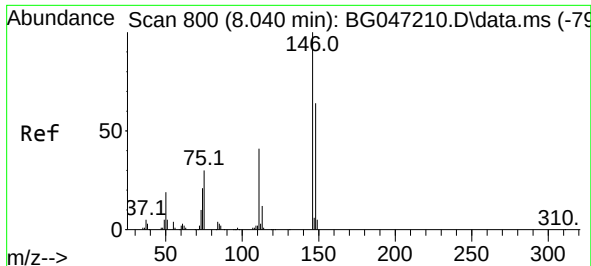
Tgt Ion: 93 Resp: 13048
Ion Ratio Lower Upper
93 100
63 1234.2 56.4 96.4#
95 3.8 13.8 53.8#



#12
1,3-Dichlorobenzene
Concen: 128.32 ng
RT: 7.897 min Scan# 776
Delta R.T. -0.002 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:146 Resp: 526681
Ion Ratio Lower Upper
146 100
148 62.8 50.1 75.1
75 34.0 20.1 30.1#

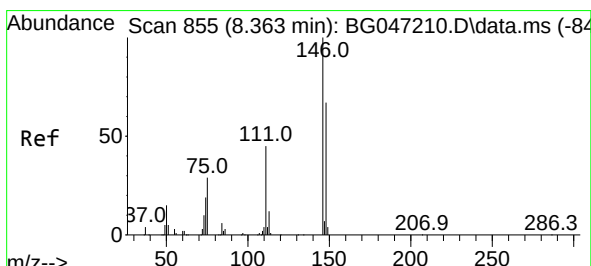
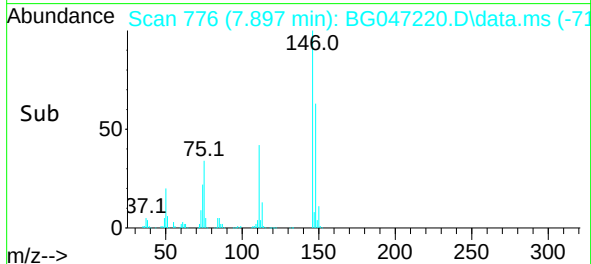
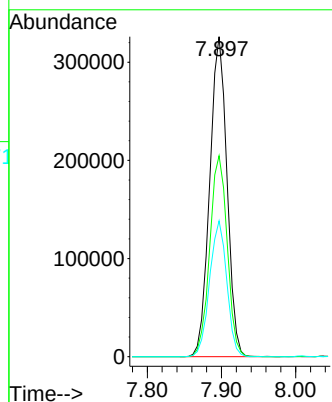
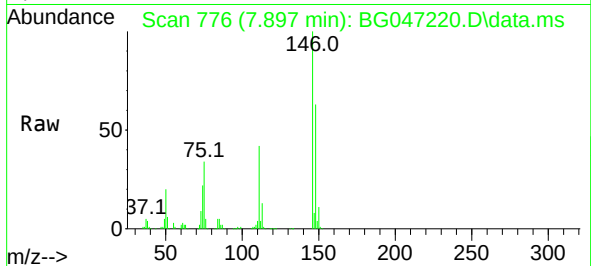




#13
1,4-Dichlorobenzene
Concen: 127.78 ng
RT: 7.897 min Scan# 776
Delta R.T. -0.144 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

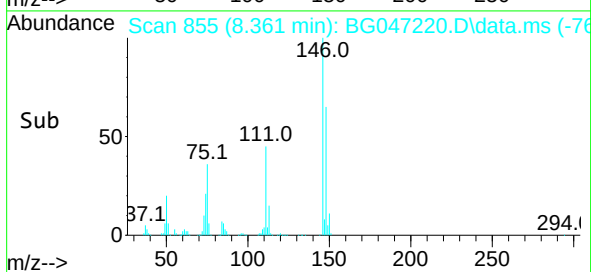
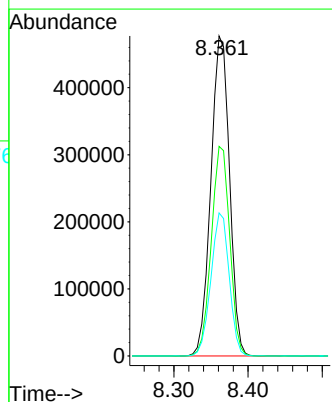
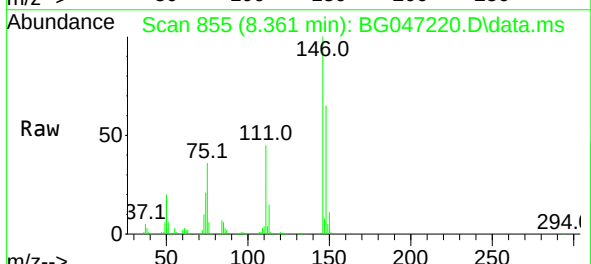
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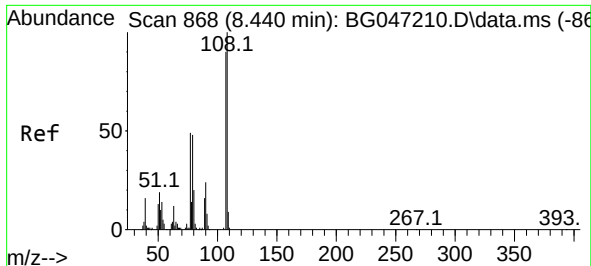
Tgt Ion:146 Resp: 526681
Ion Ratio Lower Upper
146 100
148 62.8 51.1 76.7
111 42.4 29.7 44.5



#14
1,2-Dichlorobenzene
Concen: 213.12 ng
RT: 8.361 min Scan# 855
Delta R.T. -0.002 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:146 Resp: 833143
Ion Ratio Lower Upper
146 100
148 65.5 53.0 79.6
111 44.7 30.7 46.1

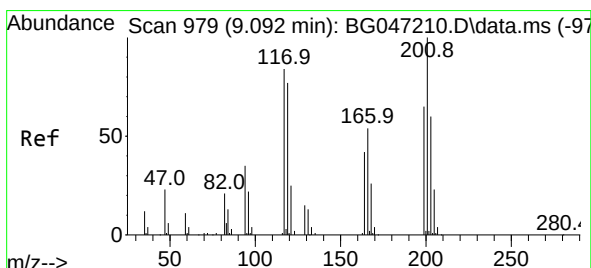
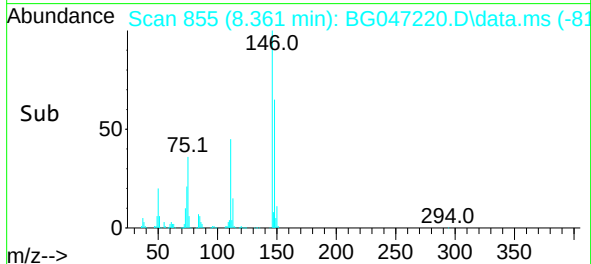
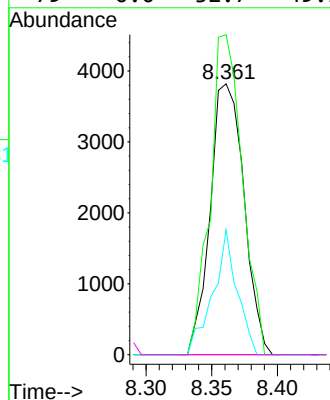
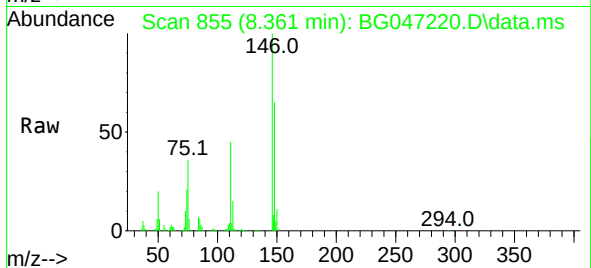




#17
2-Methylphenol
Concen: 2.48 ng
RT: 8.361 min Scan# 855
Delta R.T. -0.079 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

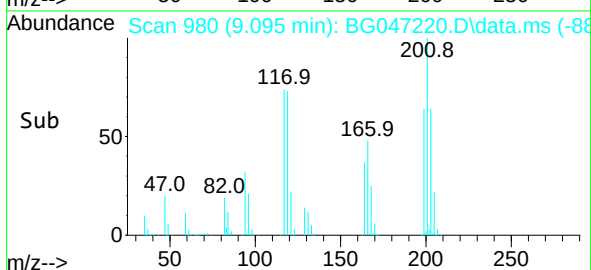
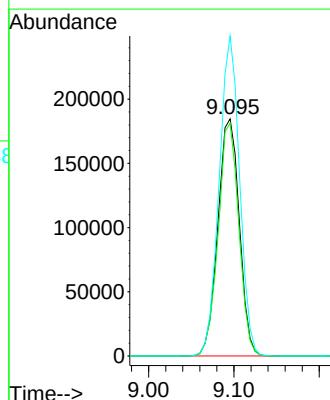
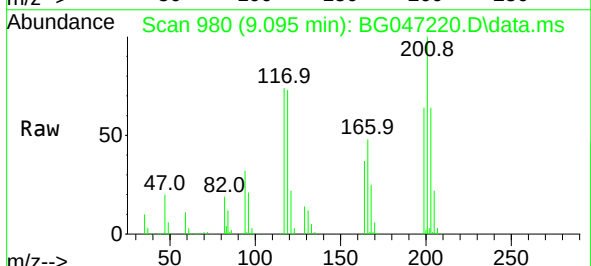
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ClientSampleId :
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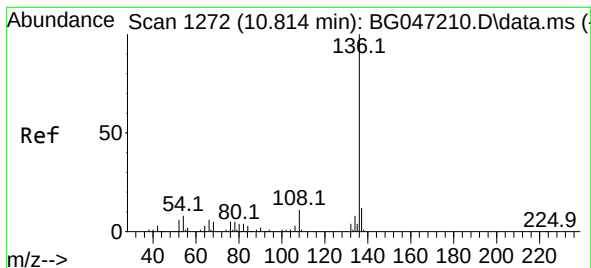
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Ion Ratio Lower Upper
107 100
108 118.1 87.2 130.8
77 46.1 33.8 50.8
79 0.0 32.7 49.1#



#18
Hexachloroethane
Concen: 213.98 ng
RT: 9.095 min Scan# 980
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:117 Resp: 322913
Ion Ratio Lower Upper
117 100
119 98.2 77.5 116.3
201 135.0 104.9 157.3

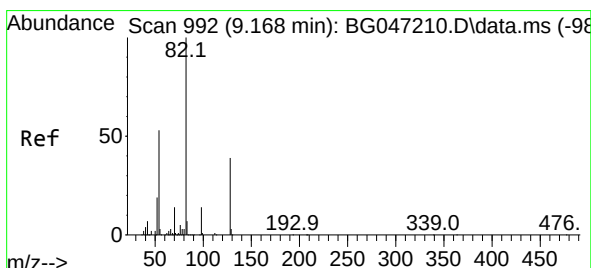
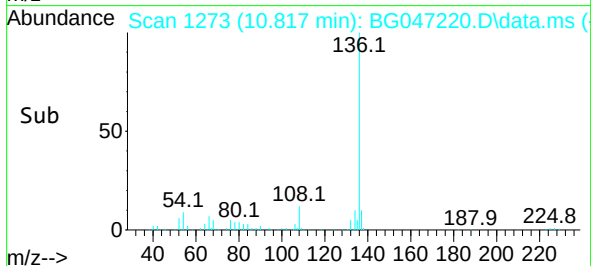
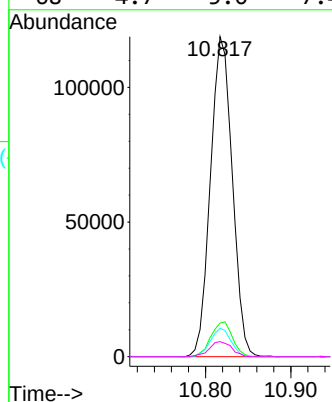
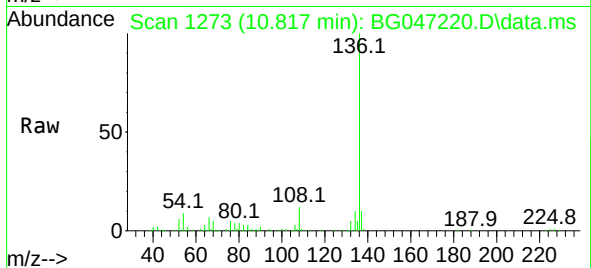




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.817 min Scan# 1273
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

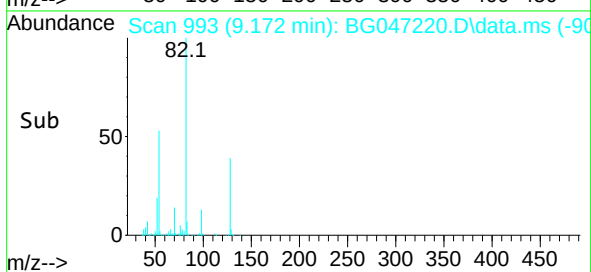
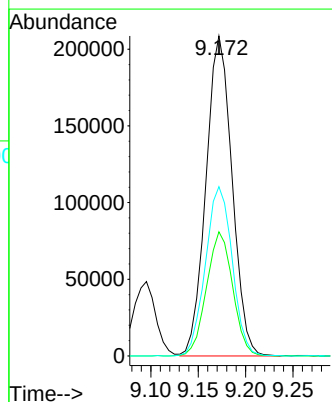
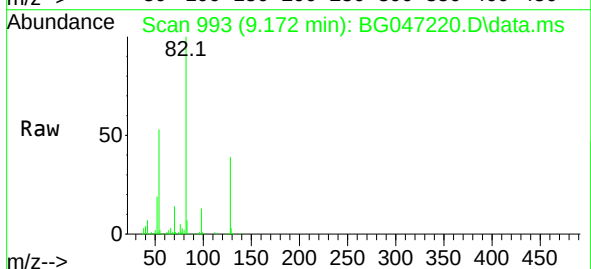
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

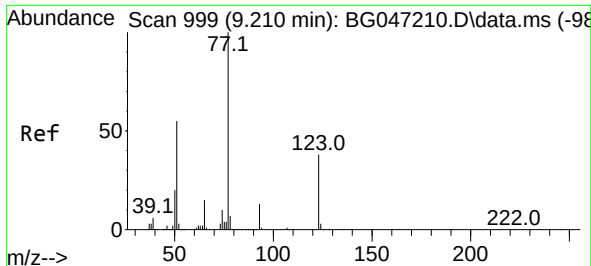
Tgt Ion:	136	Resp:	211667
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.1	13.7
54	8.9	6.2	9.4
68	4.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 81.01 ng
RT: 9.172 min Scan# 993
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:	82	Resp:	399576
Ion Ratio	Lower	Upper	
82	100		
128	38.8	37.0	55.6
54	52.9	39.0	58.4

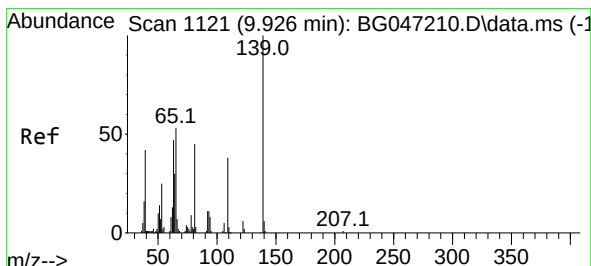
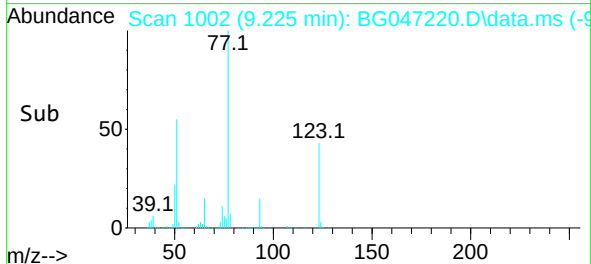
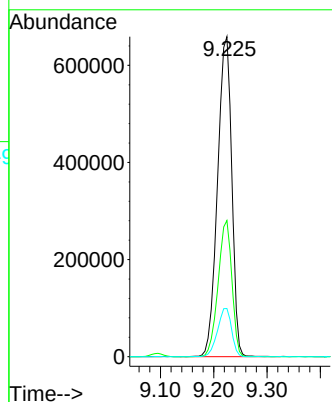
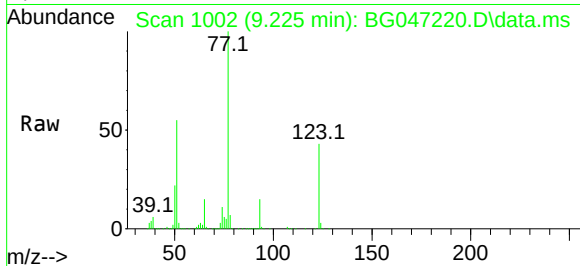




#24
Nitrobenzene
Concen: 243.56 ng
RT: 9.225 min Scan# 1002
Delta R.T. 0.015 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

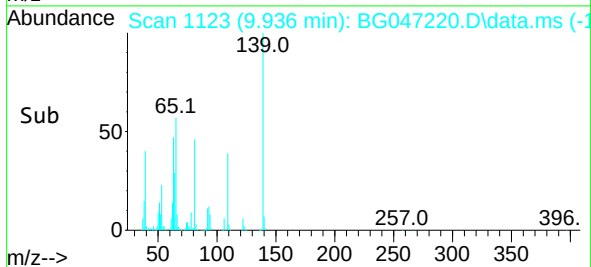
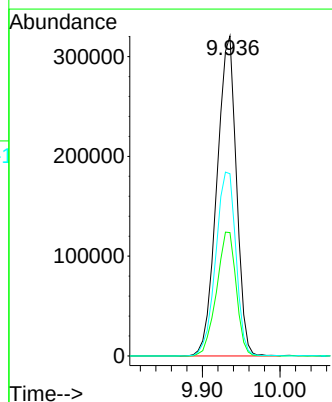
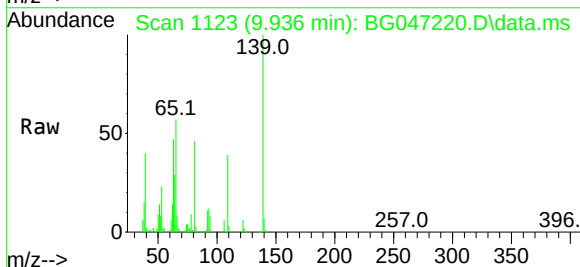
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

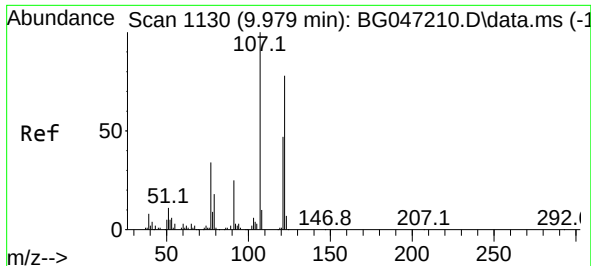
Tgt Ion: 77 Resp: 1222348
Ion Ratio Lower Upper
77 100
123 42.5 39.7 59.5
65 15.1 10.4 15.6



#26
2-Nitrophenol
Concen: 259.42 ng
RT: 9.936 min Scan# 1123
Delta R.T. 0.009 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:139 Resp: 561500
Ion Ratio Lower Upper
139 100
109 38.5 20.7 31.1#
65 56.9 36.1 54.1#

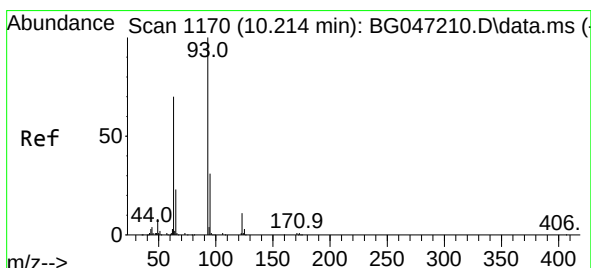
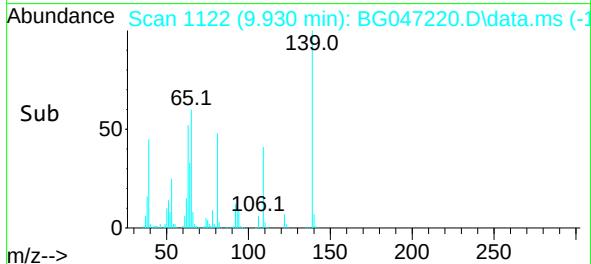
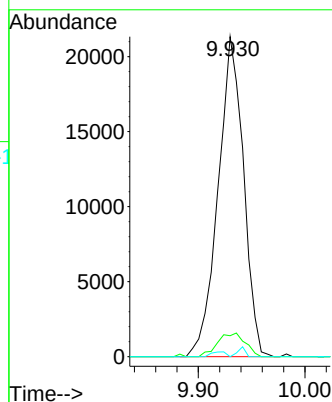
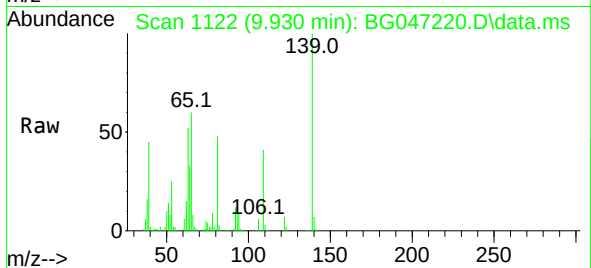




#27
2,4-Dimethylphenol
Concen: 12.13 ng
RT: 9.930 min Scan# 1122
Delta R.T. -0.049 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

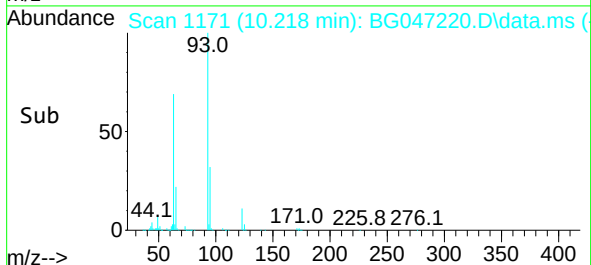
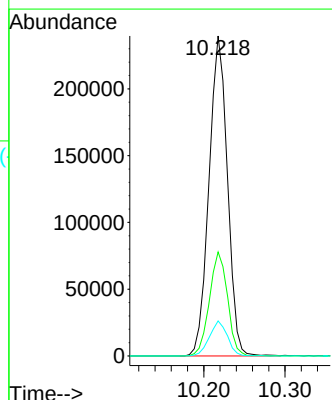
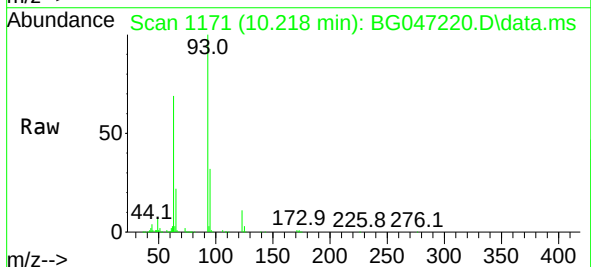
Instrument :
BNA_G
ClientSampled :
PT-BNA-SOIL

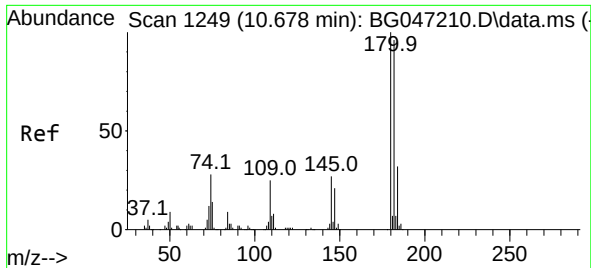
Tgt Ion:122 Resp: 35242
Ion Ratio Lower Upper
122 100
107 6.6 89.2 133.8#
121 0.0 46.9 70.3#



#28
bis(2-Chloroethoxy)methane
Concen: 73.89 ng
RT: 10.218 min Scan# 1171
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion: 93 Resp: 377955
Ion Ratio Lower Upper
93 100
95 32.5 26.5 39.7
123 11.0 9.4 14.0

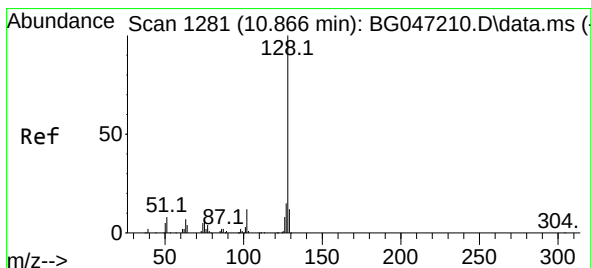
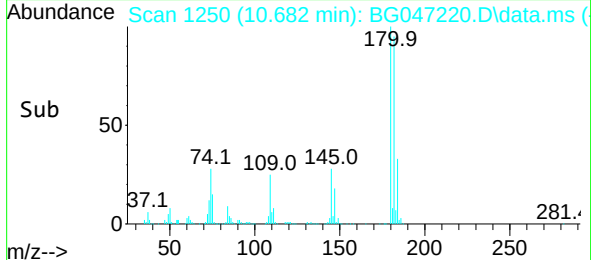
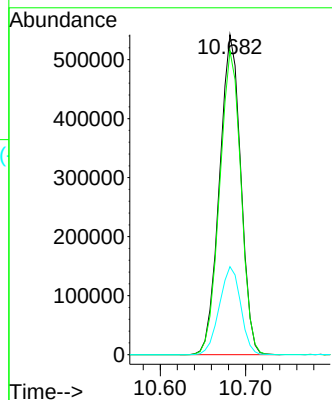
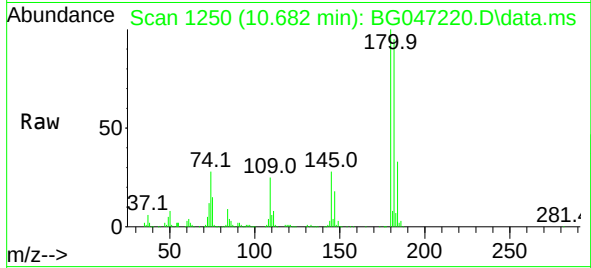




#30
1,2,4-Trichlorobenzene
Concen: 190.01 ng
RT: 10.682 min Scan# 1250
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

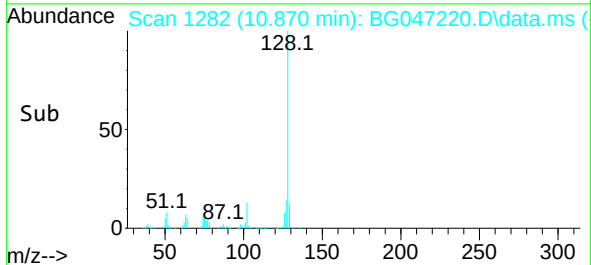
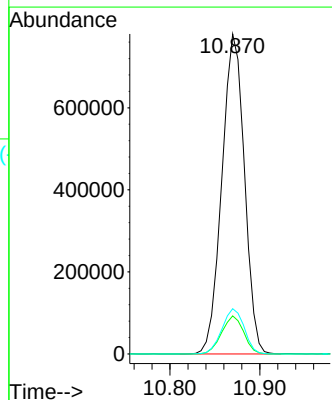
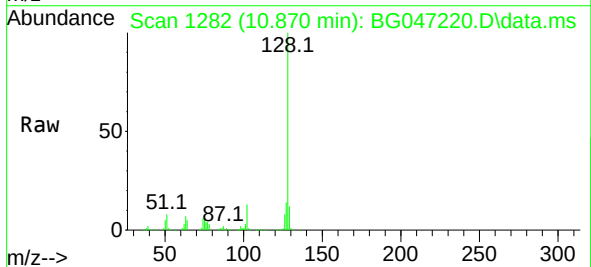
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ClientSampleId :
PT-BNA-SOIL

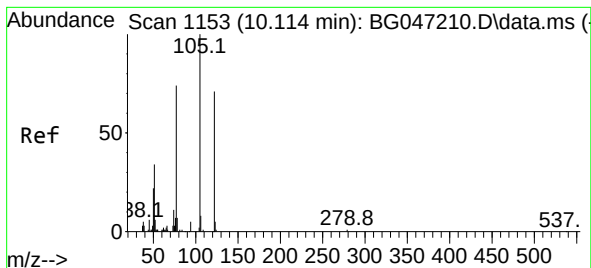
Tgt Ion:180 Resp: 940596
Ion Ratio Lower Upper
180 100
182 94.9 76.9 115.3
145 27.5 21.4 32.0



#31
Naphthalene
Concen: 112.13 ng
RT: 10.870 min Scan# 1282
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:128 Resp: 1358992
Ion Ratio Lower Upper
128 100
129 11.9 9.0 13.6
127 14.2 11.0 16.4

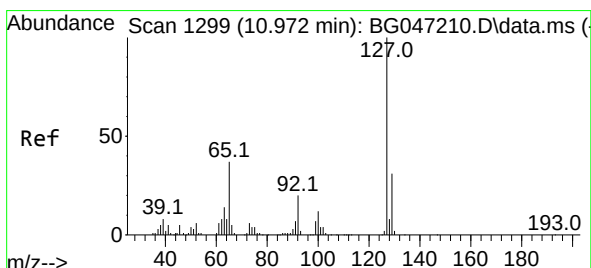
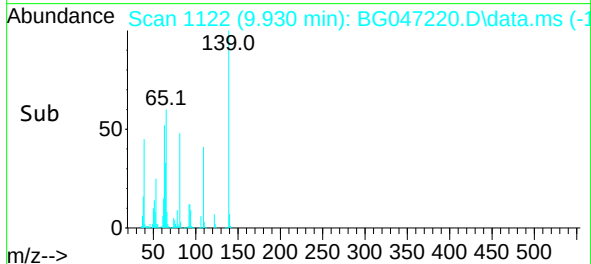
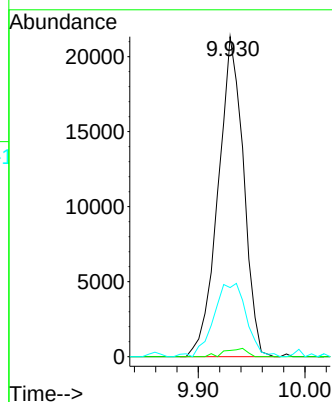
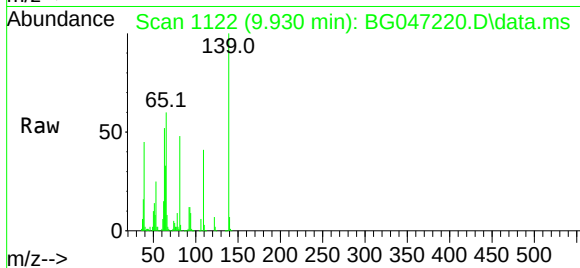




#32
Benzoic acid
Concen: 17.13 ng
RT: 9.930 min Scan# 1122
Delta R.T. -0.184 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

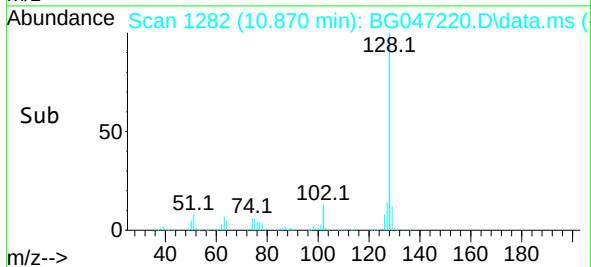
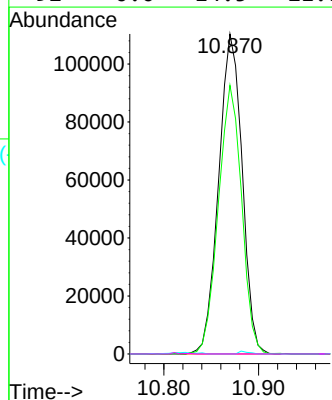
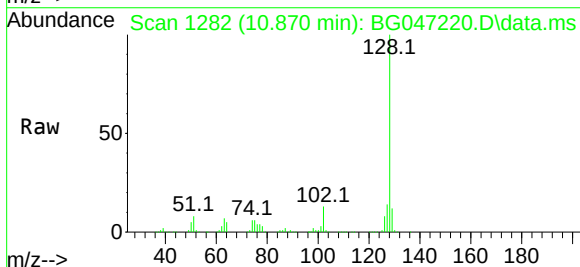
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

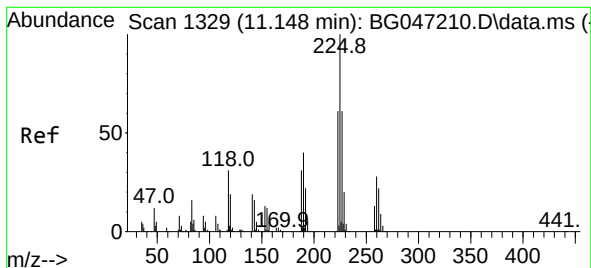
Tgt Ion:122 Resp: 35242
Ion Ratio Lower Upper
122 100
105 2.0 103.7 143.7#
77 21.6 63.0 103.0#



#33
4-Chloroaniline
Concen: 37.25 ng
RT: 10.870 min Scan# 1282
Delta R.T. -0.102 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:127 Resp: 189896
Ion Ratio Lower Upper
127 100
129 83.9 26.8 40.2#
65 0.0 23.8 35.6#
92 0.0 14.5 21.7#

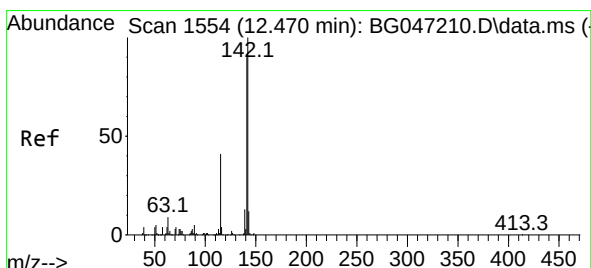
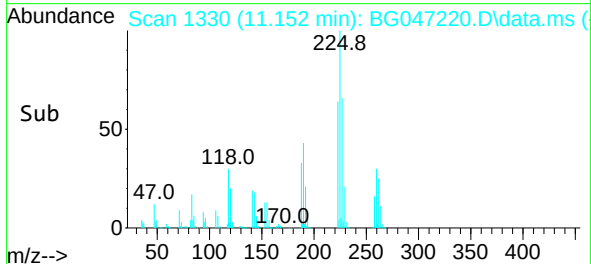
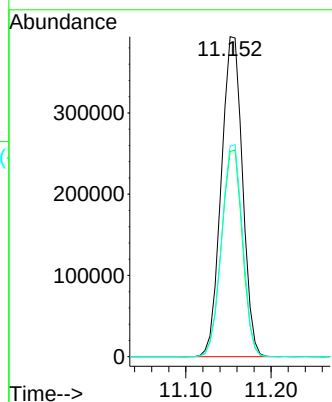
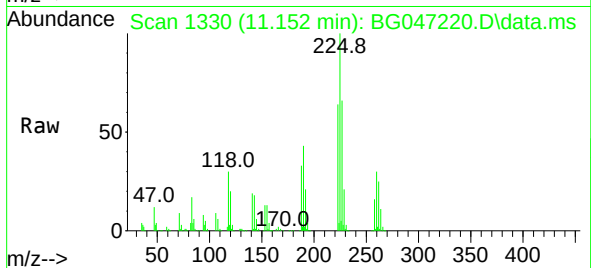




#34
Hexachlorobutadiene
Concen: 182.18 ng
RT: 11.152 min Scan# 1330
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

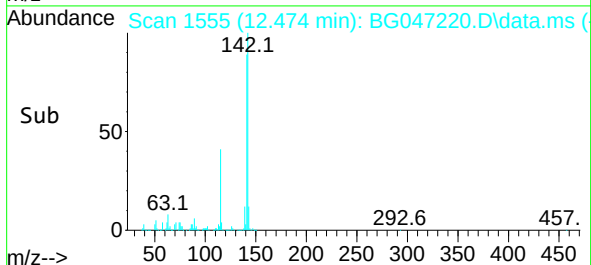
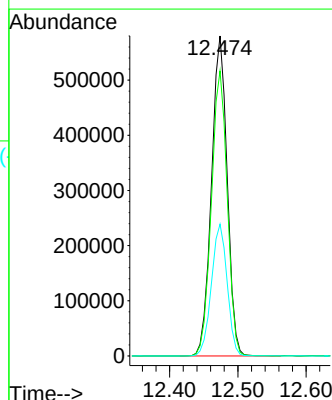
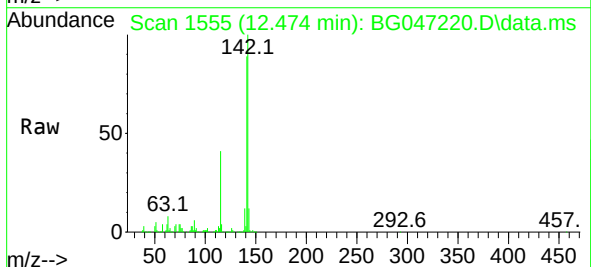
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ClientSampleId :
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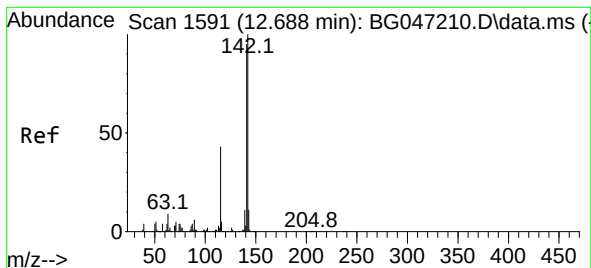
Tgt Ion:225 Resp: 682405
Ion Ratio Lower Upper
225 100
223 64.1 49.5 74.3
227 65.8 52.0 78.0



#37
2-Methylnaphthalene
Concen: 101.96 ng
RT: 12.474 min Scan# 1555
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:142 Resp: 928572
Ion Ratio Lower Upper
142 100
141 89.1 71.6 107.4
115 41.2 25.4 38.2#

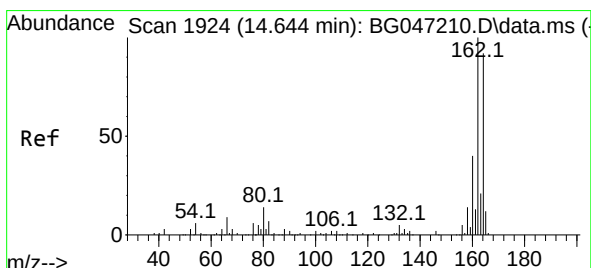
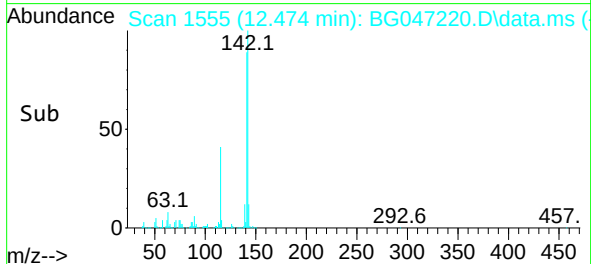
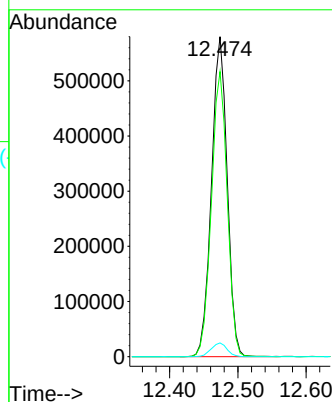
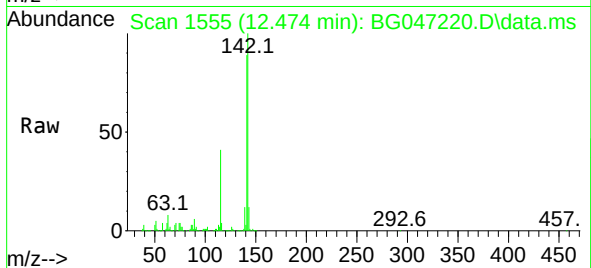




#38
1-Methylnaphthalene
Concen: 107.29 ng
RT: 12.474 min Scan# 1555
Delta R.T. -0.214 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

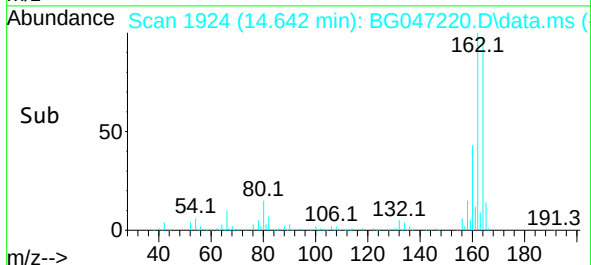
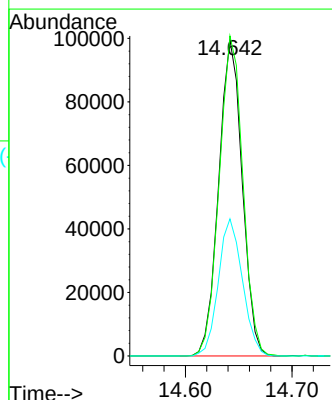
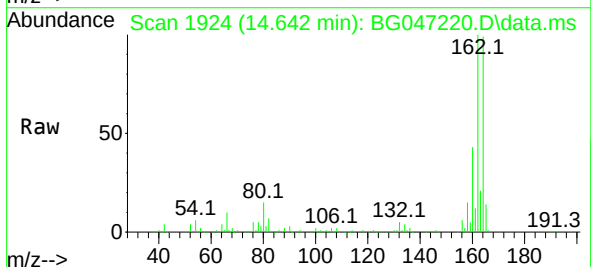
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

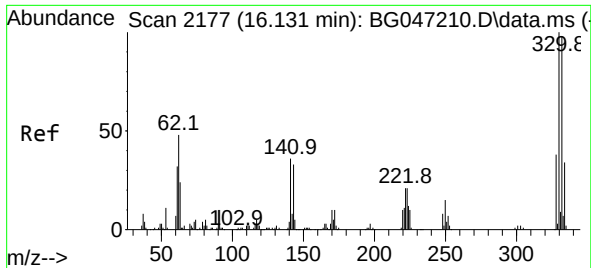
Tgt Ion:142 Resp: 928572
Ion Ratio Lower Upper
142 100
141 89.1 75.4 113.2
116 4.3 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.642 min Scan# 1924
Delta R.T. -0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:164 Resp: 152207
Ion Ratio Lower Upper
164 100
162 101.2 82.3 123.5
160 43.4 35.3 52.9

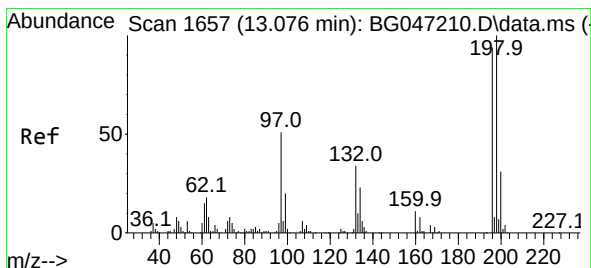
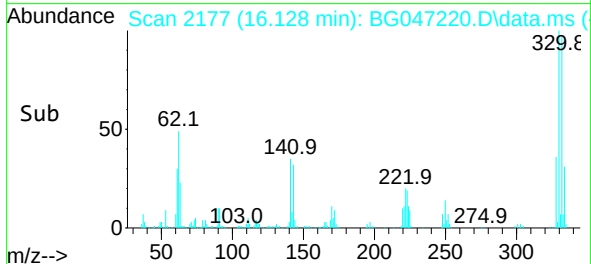
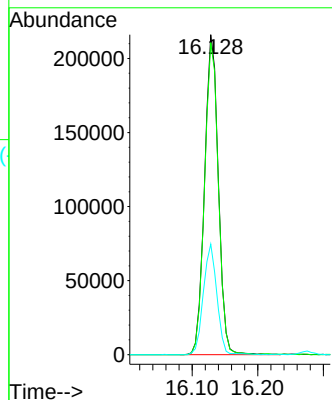
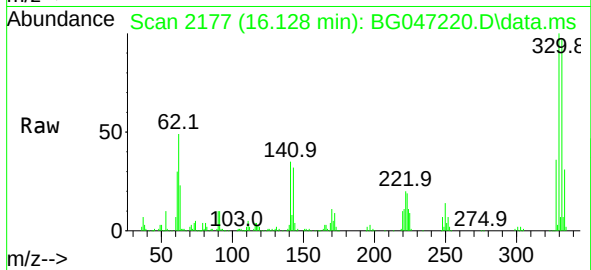




#42
2,4,6-Tribromophenol
Concen: 123.84 ng
RT: 16.128 min Scan# 2177
Delta R.T. -0.002 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

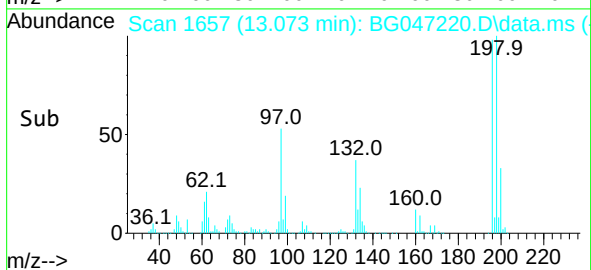
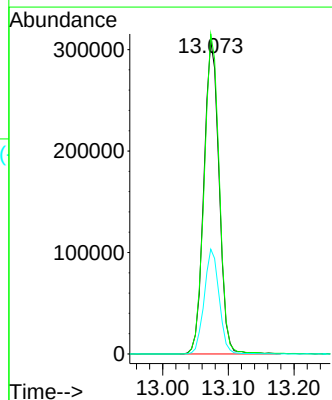
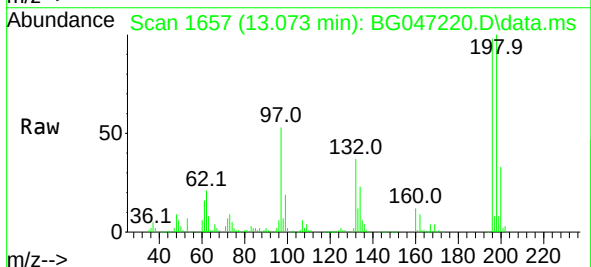
Instrument :
BNA_G
ClientSampled :
PT-BNA-SOIL

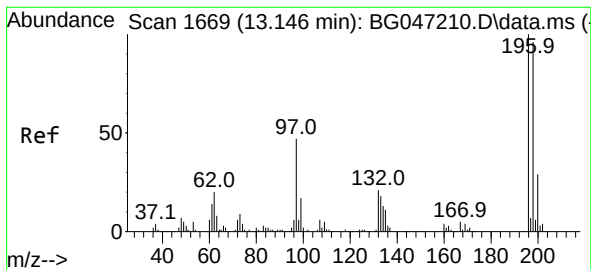
Tgt Ion:330 Resp: 315649
Ion Ratio Lower Upper
330 100
332 97.7 76.5 114.7
141 33.9 26.0 39.0



#43
2,4,6-Trichlorophenol
Concen: 127.64 ng
RT: 13.073 min Scan# 1657
Delta R.T. -0.002 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

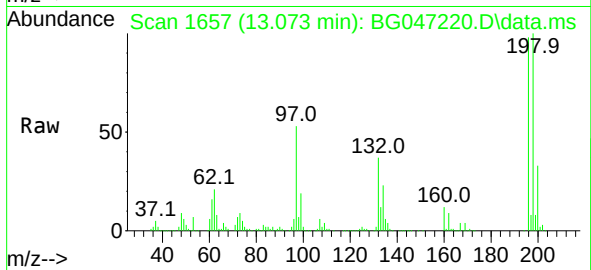
Tgt Ion:196 Resp: 498660
Ion Ratio Lower Upper
196 100
198 102.2 74.9 112.3
200 33.5 25.3 37.9



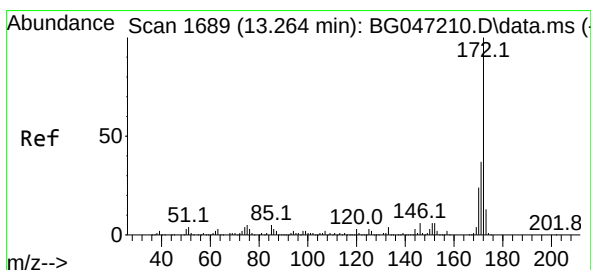
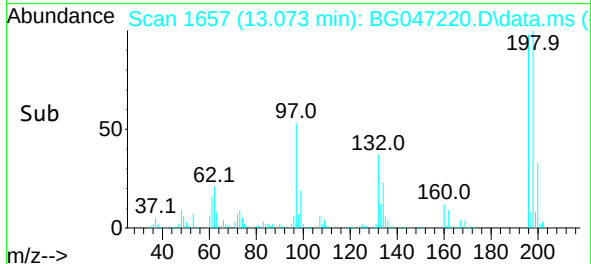
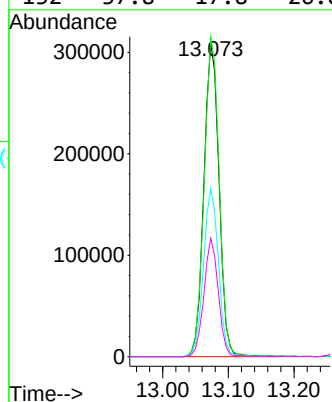


#44
2,4,5-Trichlorophenol
Concen: 125.71 ng
RT: 13.073 min Scan# 1657
Delta R.T. -0.073 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

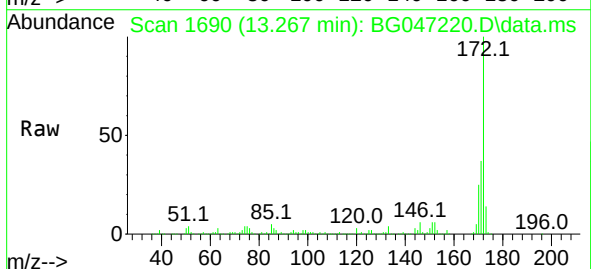
Instrument :
BNA_G
ClientSampled :
PT-BNA-SOIL



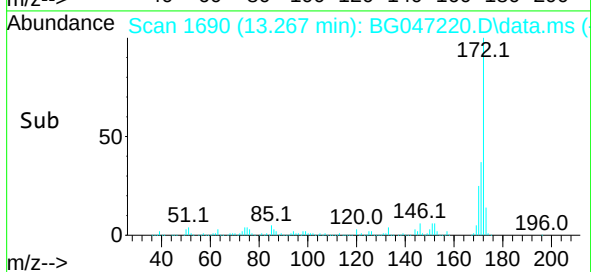
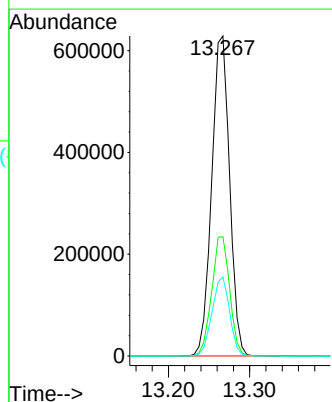
Tgt Ion:196 Resp: 498660
Ion Ratio Lower Upper
196 100
198 102.2 77.6 116.4
97 53.8 28.6 43.0#
132 37.8 17.8 26.8#

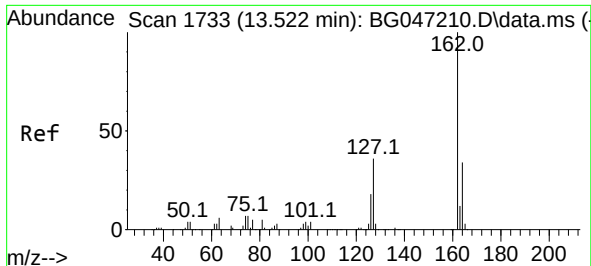


#45
2-Fluorobiphenyl
Concen: 80.94 ng
RT: 13.267 min Scan# 1690
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23



Tgt Ion:172 Resp: 960517
Ion Ratio Lower Upper
172 100
171 37.3 31.3 46.9
170 24.7 20.8 31.2

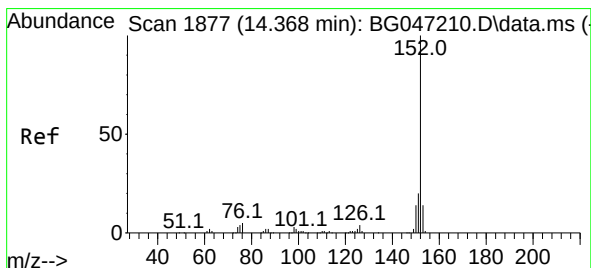
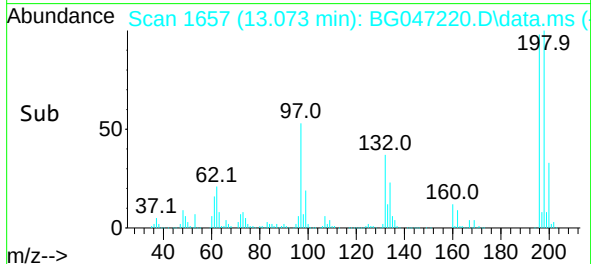
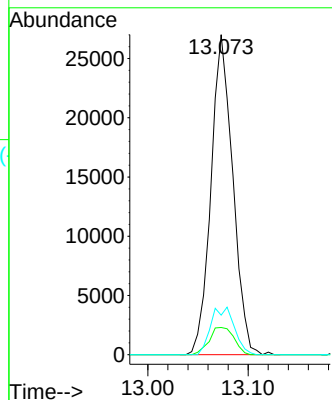
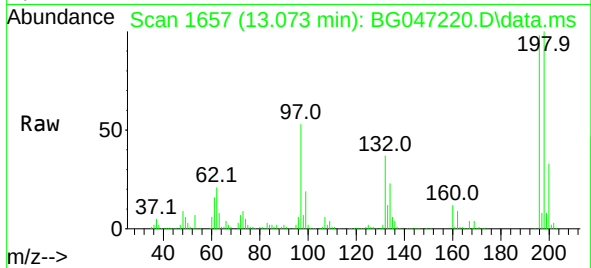




#47
2-Chloronaphthalene
Concen: 4.01 ng
RT: 13.073 min Scan# 1657
Delta R.T. -0.449 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

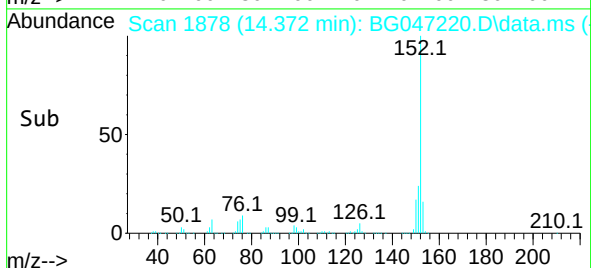
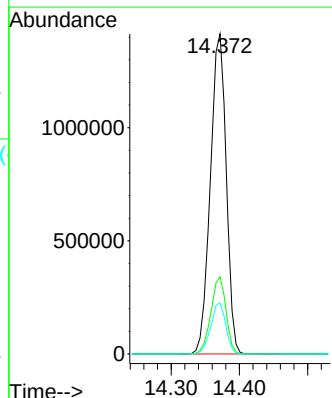
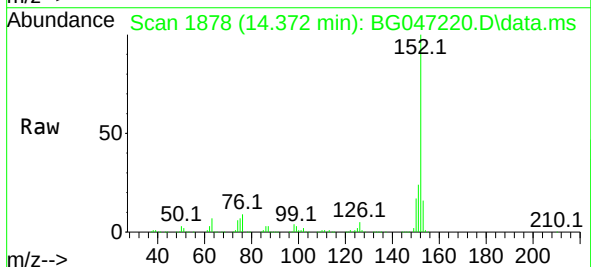
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

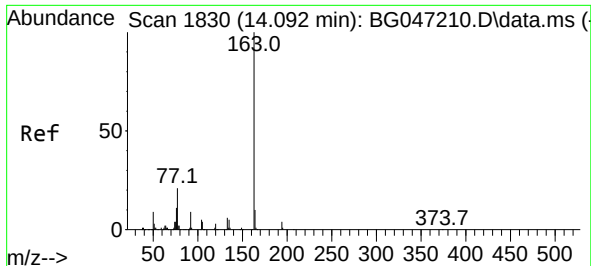
Tgt Ion:162 Resp: 40758
Ion Ratio Lower Upper
162 100
127 8.5 27.8 41.6#
164 12.4 27.0 40.4#



#49
Acenaphthylene
Concen: 153.86 ng
RT: 14.372 min Scan# 1878
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:152 Resp: 2287510
Ion Ratio Lower Upper
152 100
151 24.1 17.4 26.0
153 16.0 11.5 17.3

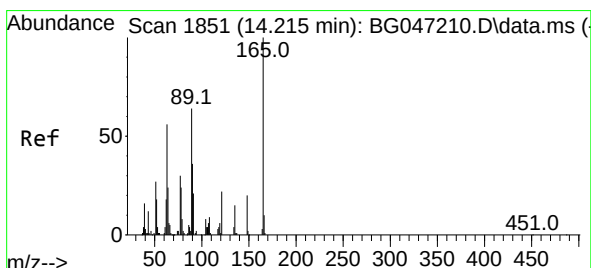
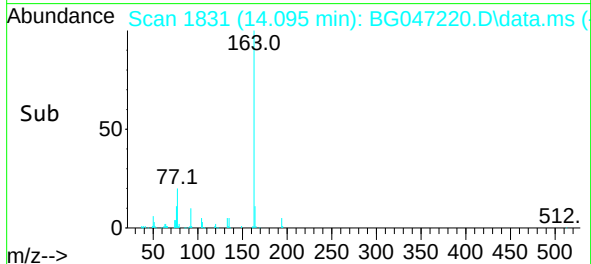
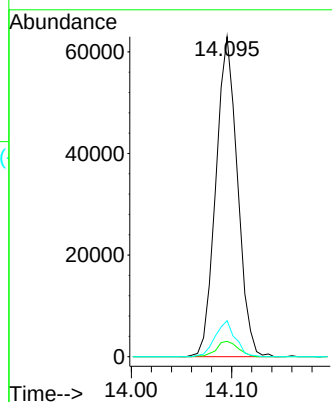
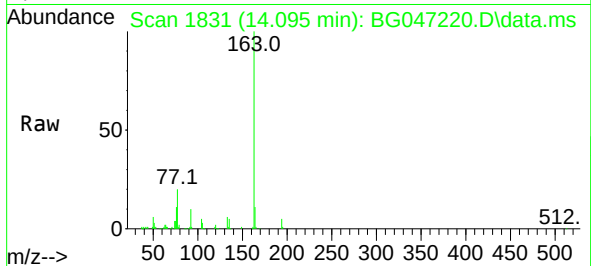




#50
Dimethylphthalate
Concen: 7.00 ng
RT: 14.095 min Scan# 1831
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

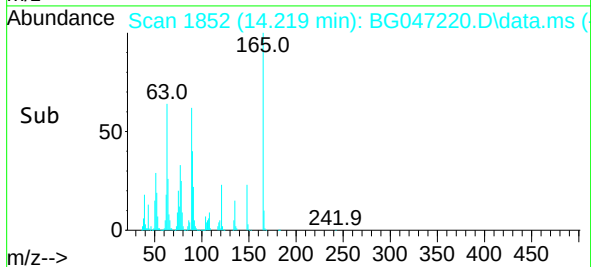
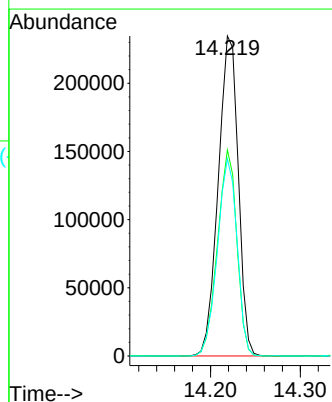
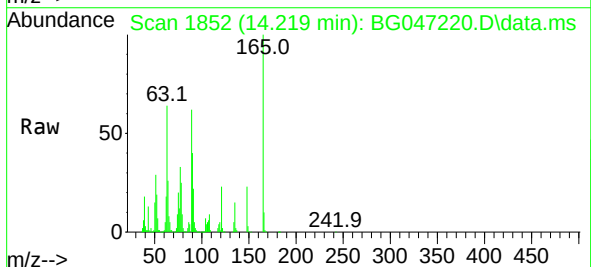
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

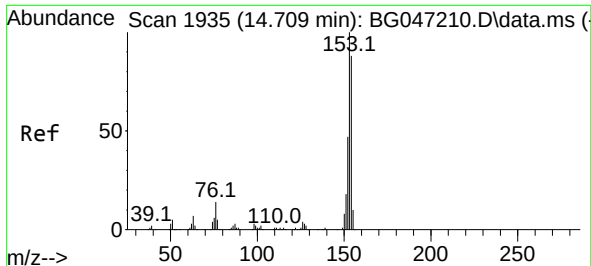
Tgt Ion:163 Resp: 94083
Ion Ratio Lower Upper
163 100
194 4.8 3.8 5.8
164 11.2 8.8 13.2



#51
2,6-Dinitrotoluene
Concen: 130.33 ng
RT: 14.219 min Scan# 1852
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:165 Resp: 363367
Ion Ratio Lower Upper
165 100
63 64.4 33.7 50.5#
89 61.6 36.6 54.8#

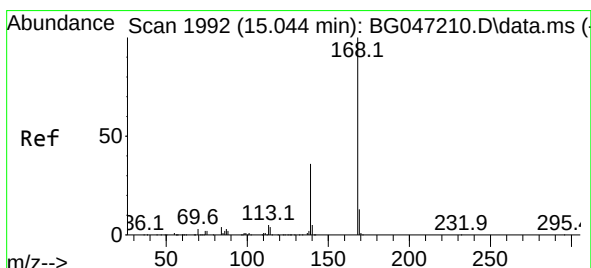
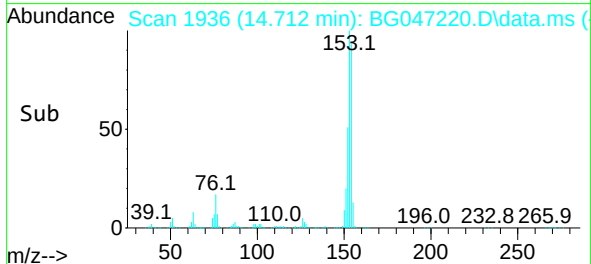
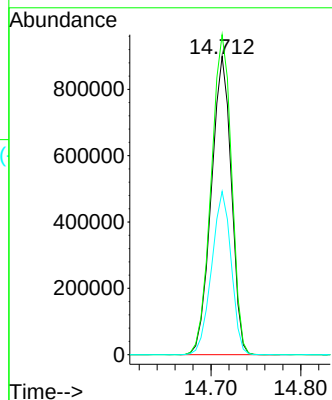
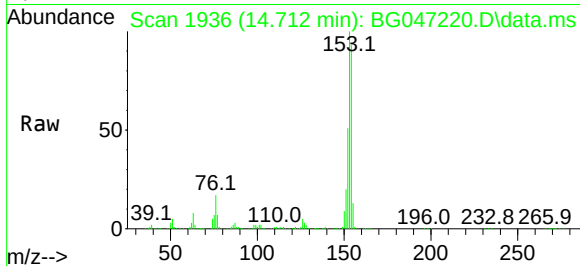




#52
Acenaphthene
Concen: 146.53 ng
RT: 14.712 min Scan# 1936
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

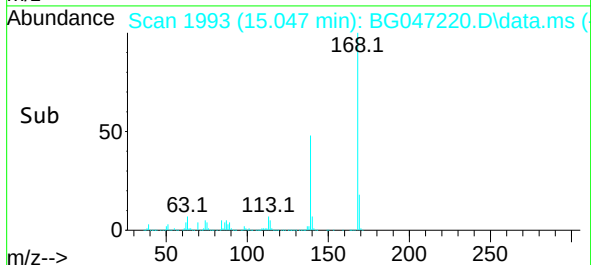
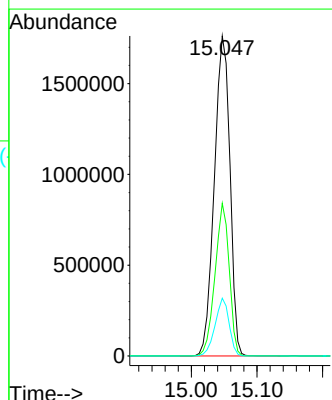
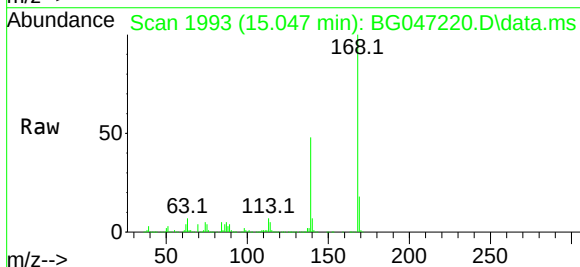
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

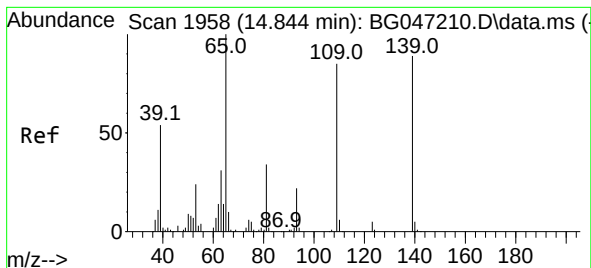
Tgt Ion:154 Resp: 1392708
Ion Ratio Lower Upper
154 100
153 107.2 90.3 135.5
152 54.7 43.8 65.8



#55
Dibenzofuran
Concen: 185.74 ng
RT: 15.047 min Scan# 1993
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:168 Resp: 2902617
Ion Ratio Lower Upper
168 100
139 47.7 28.6 43.0#
169 18.1 11.0 16.6#

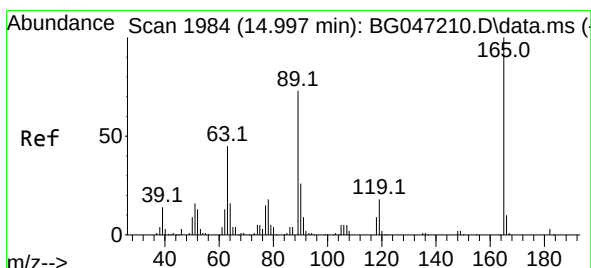
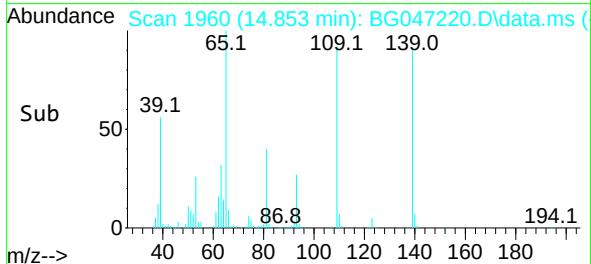
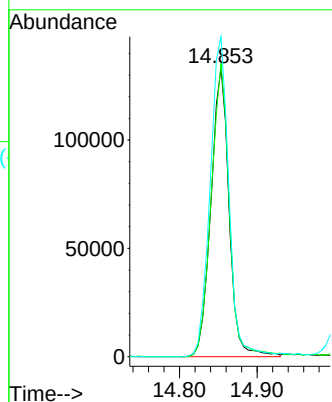
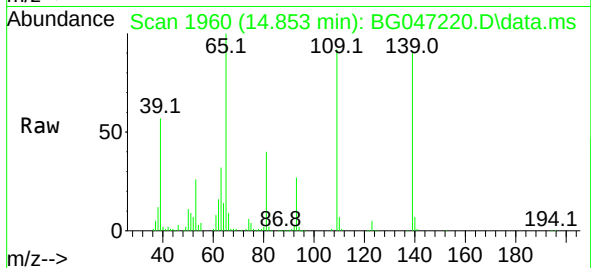




#56
4-Nitrophenol
Concen: 100.37 ng
RT: 14.853 min Scan# 1960
Delta R.T. 0.009 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

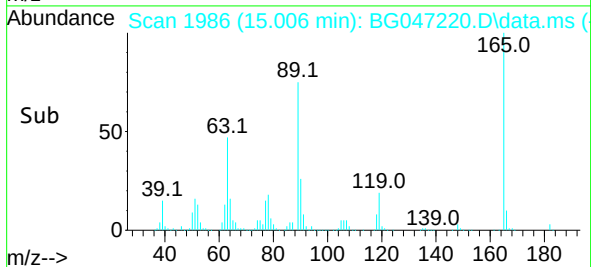
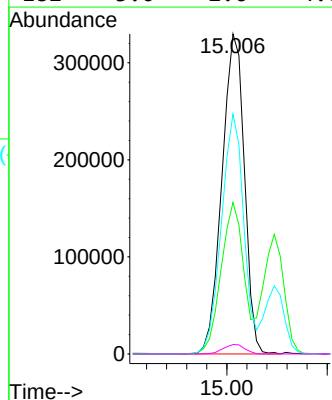
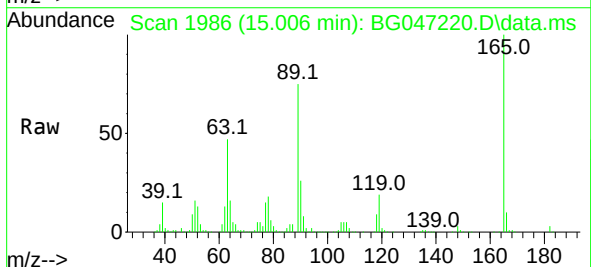
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

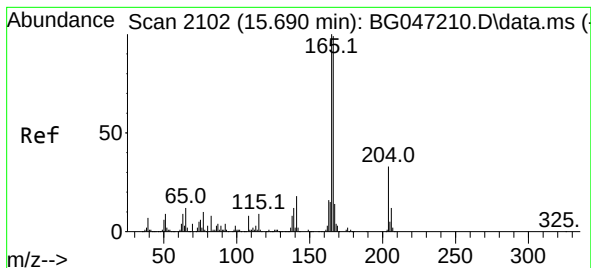
Tgt Ion:139 Resp: 215747
Ion Ratio Lower Upper
139 100
109 101.7 45.9 85.9#
65 111.0 65.4 105.4#



#57
2,4-Dinitrotoluene
Concen: 125.39 ng
RT: 15.006 min Scan# 1986
Delta R.T. 0.009 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:165 Resp: 510418
Ion Ratio Lower Upper
165 100
63 47.4 26.4 39.6#
89 75.0 47.8 71.8#
182 3.0 2.6 4.0





#58

Fluorene

Concen: 66.83 ng

RT: 15.694 min Scan# 2103

Delta R.T. 0.003 min

Lab File: BG047220.D

Acq: 5 Nov 2020 11:23

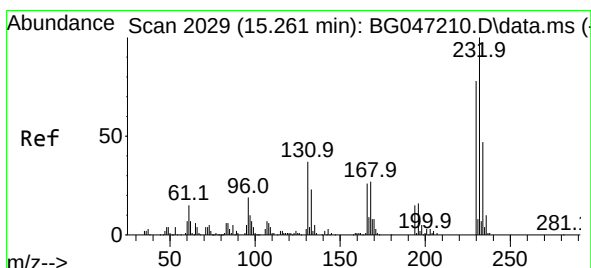
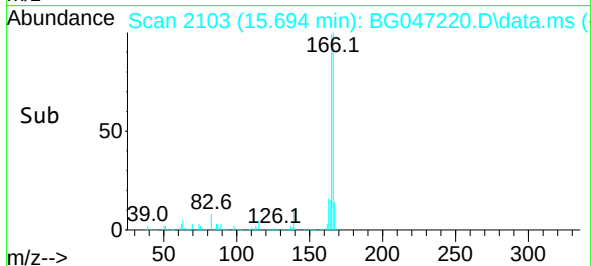
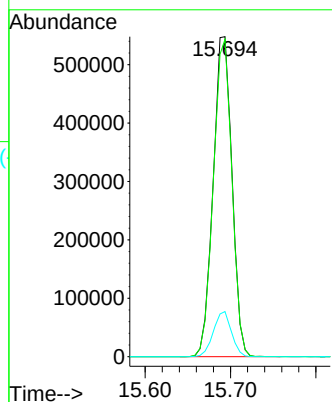
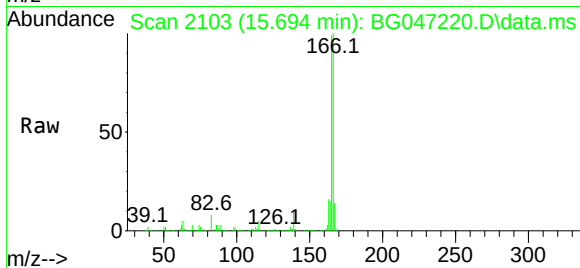
Tgt Ion:166 Resp: 839406

Ion Ratio Lower Upper

166 100

165 99.2 77.2 115.8

167 14.1 11.4 17.2



#59

2,3,4,6-Tetrachlorophenol

Concen: 2.33 ng

RT: 15.265 min Scan# 2030

Delta R.T. 0.003 min

Lab File: BG047220.D

Acq: 5 Nov 2020 11:23

Tgt Ion:232 Resp: 9710

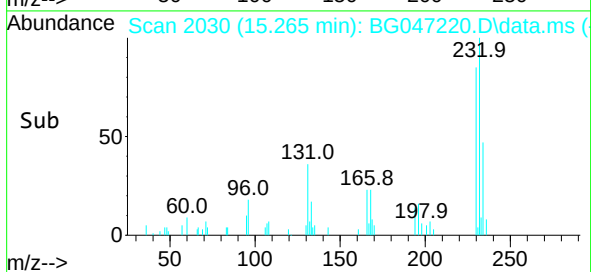
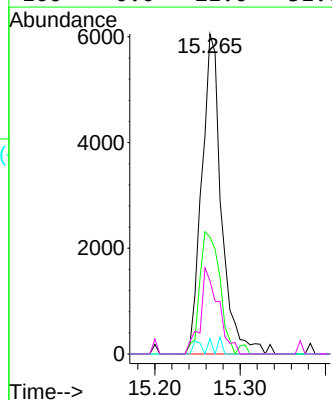
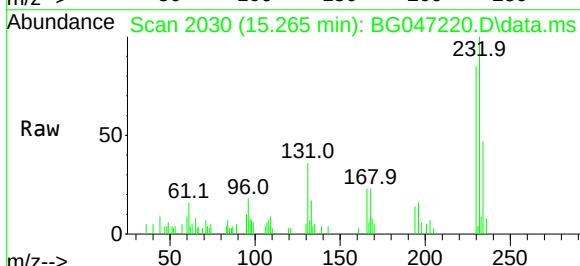
Ion Ratio Lower Upper

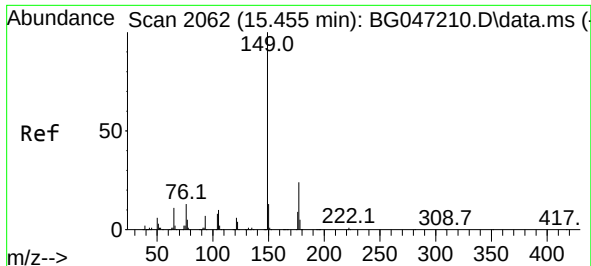
232 100

131 38.6 26.6 40.0

130 2.2 1.4 2.0#

166 0.0 21.0 31.6#

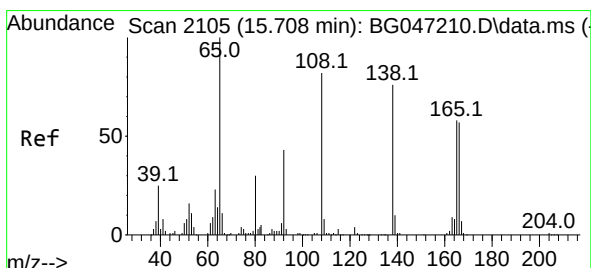
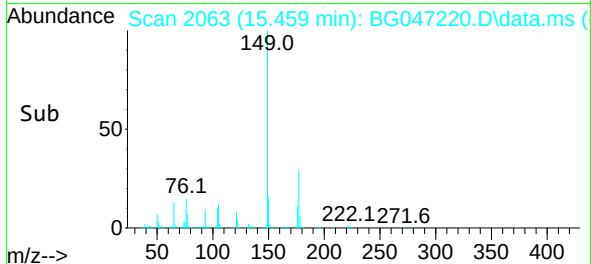
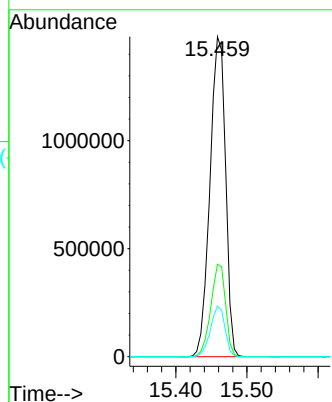
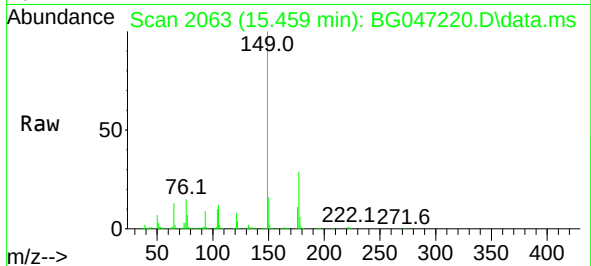




#60
Diethylphthalate
Concen: 170.61 ng
RT: 15.459 min Scan# 2063
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

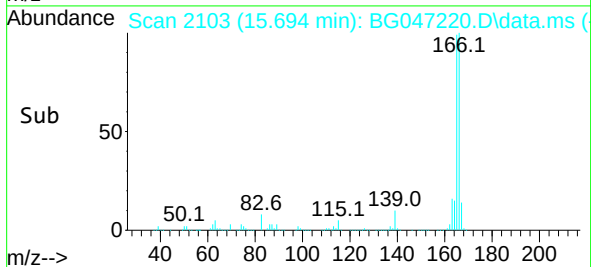
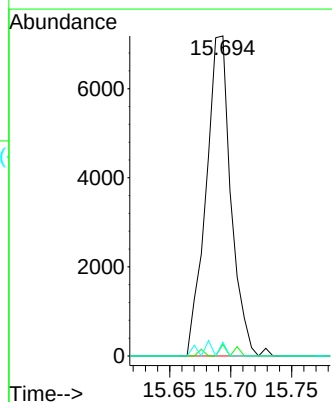
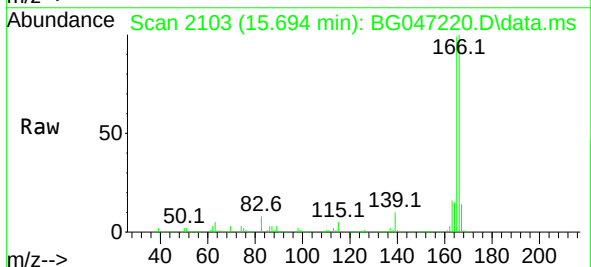
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

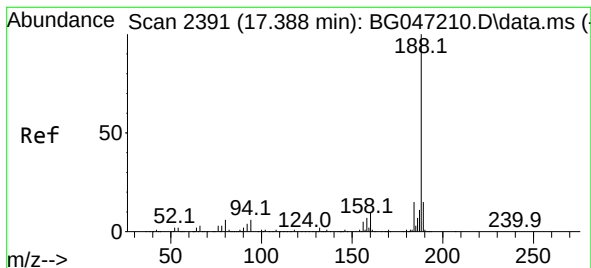
Tgt Ion:149 Resp: 2265265
Ion Ratio Lower Upper
149 100
177 28.9 21.4 32.2
150 15.8 10.7 16.1



#62
4-Nitroaniline
Concen: 3.44 ng
RT: 15.694 min Scan# 2103
Delta R.T. -0.014 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:138 Resp: 10248
Ion Ratio Lower Upper
138 100
92 3.6 26.9 66.9#
108 4.3 49.4 89.4#

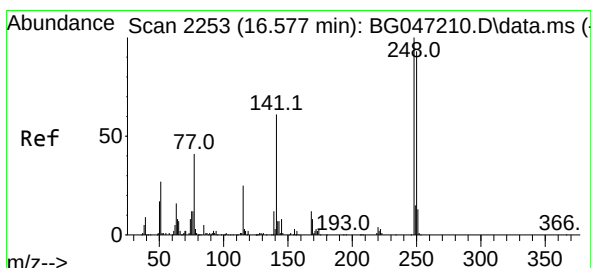
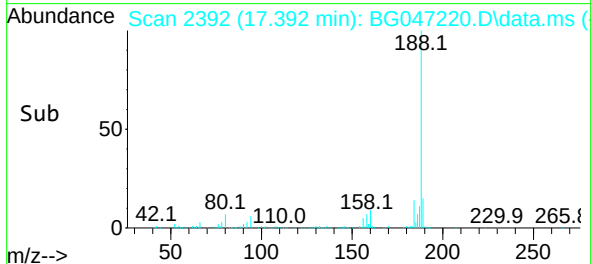
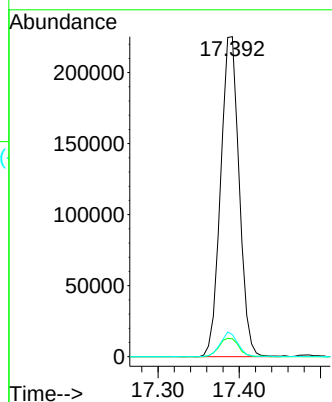
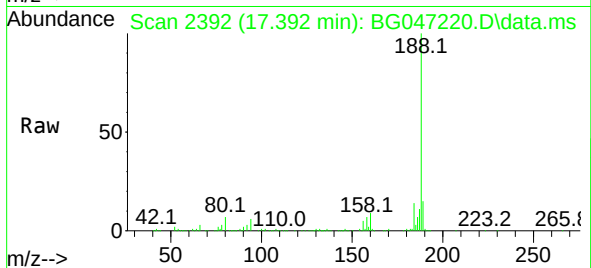




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.392 min Scan# 2392
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

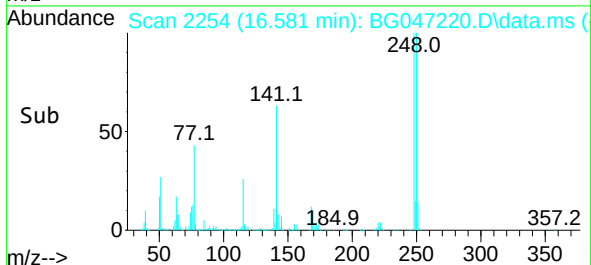
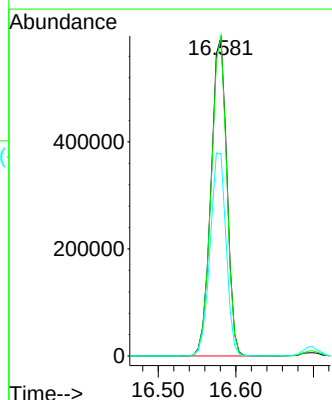
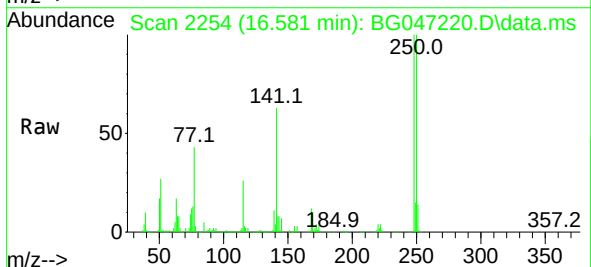
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

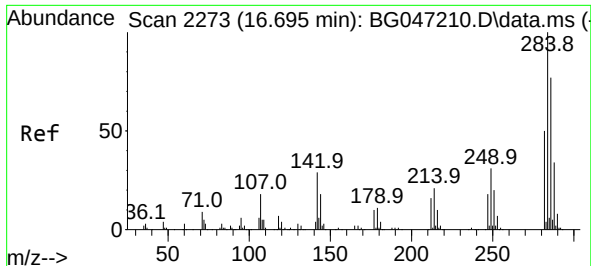
Tgt Ion:188 Resp: 357696
Ion Ratio Lower Upper
188 100
94 5.6 6.3 9.5#
80 6.9 7.0 10.6#



#67
4-Bromophenyl-phenylether
Concen: 169.02 ng
RT: 16.581 min Scan# 2254
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:248 Resp: 844388
Ion Ratio Lower Upper
248 100
250 100.4 78.9 118.3
141 63.4 46.2 69.4

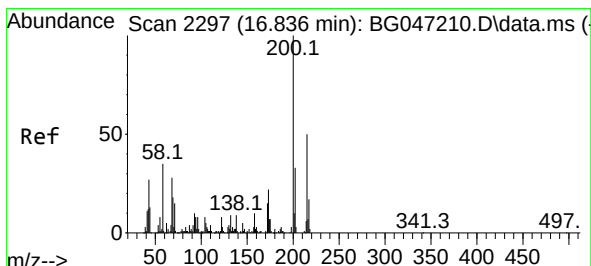
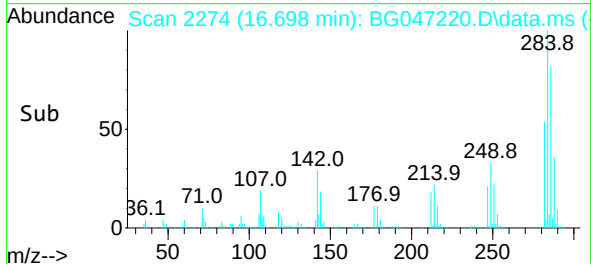
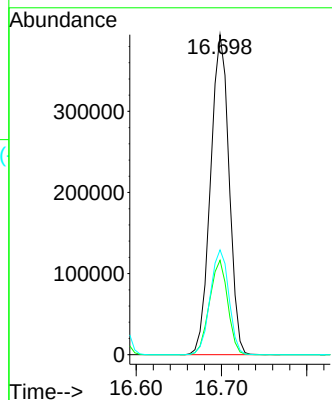
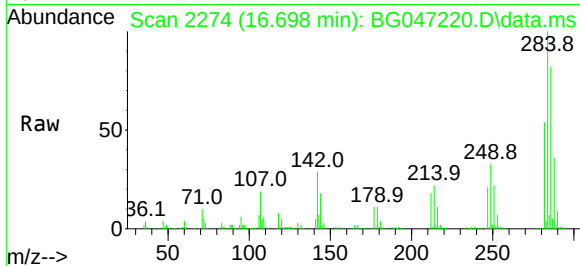




#68
Hexachlorobenzene
Concen: 109.76 ng
RT: 16.698 min Scan# 2274
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

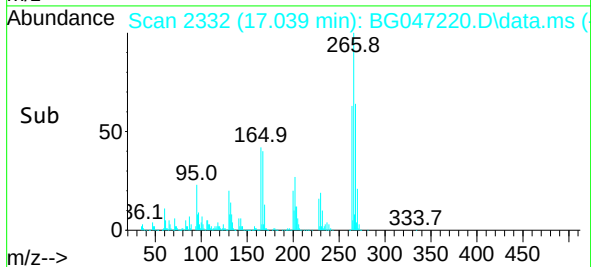
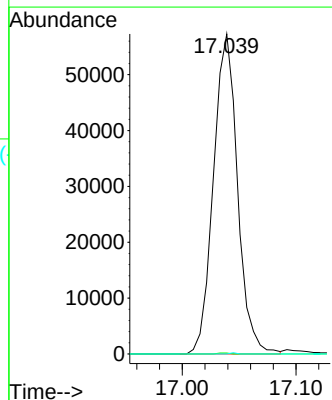
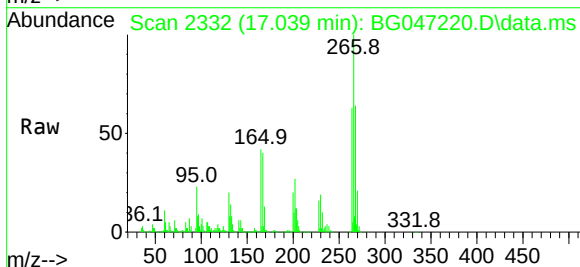
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

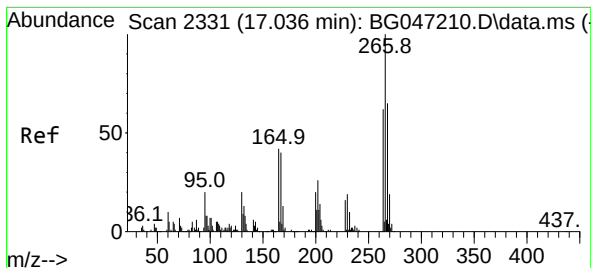
Tgt Ion:284 Resp: 595781
Ion Ratio Lower Upper
284 100
142 29.5 21.1 31.7
249 32.8 25.9 38.9



#69
Atrazine
Concen: 17.91 ng
RT: 17.039 min Scan# 2332
Delta R.T. 0.203 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:200 Resp: 84270
Ion Ratio Lower Upper
200 100
173 0.3 4.2 44.2#
215 0.0 30.0 70.0#

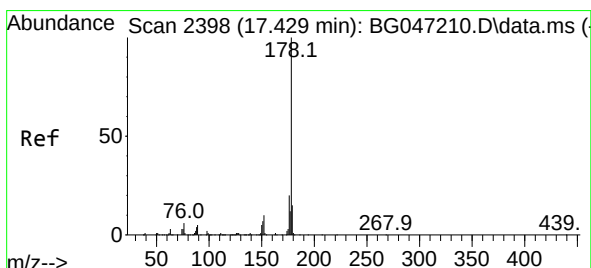
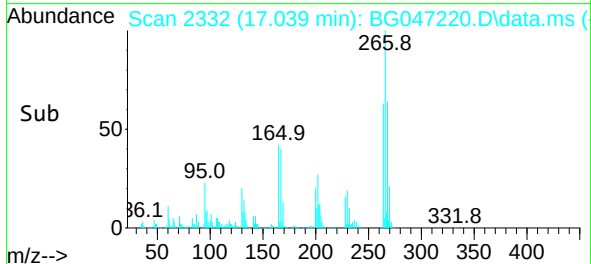
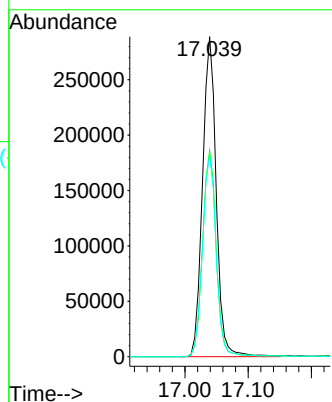
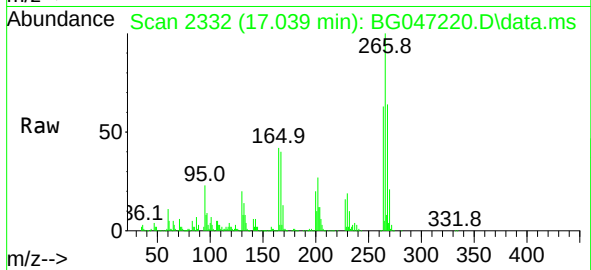




#70
 Pentachlorophenol
 Concen: 146.89 ng
 RT: 17.039 min Scan# 2332
 Delta R.T. 0.003 min
 Lab File: BG047220.D
 Acq: 5 Nov 2020 11:23

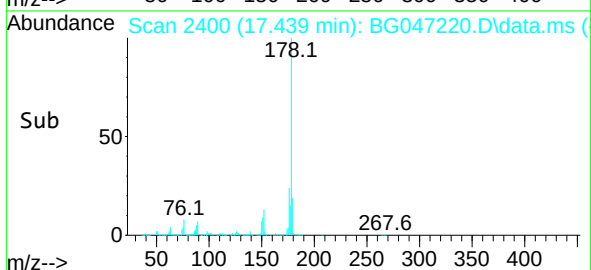
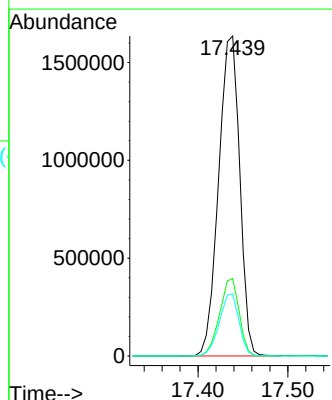
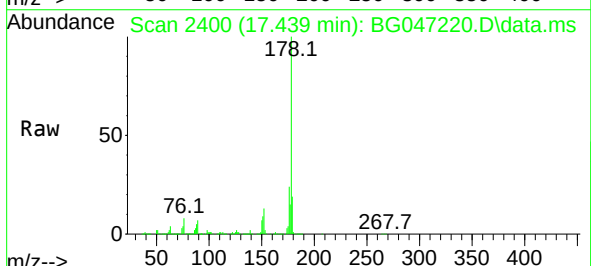
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

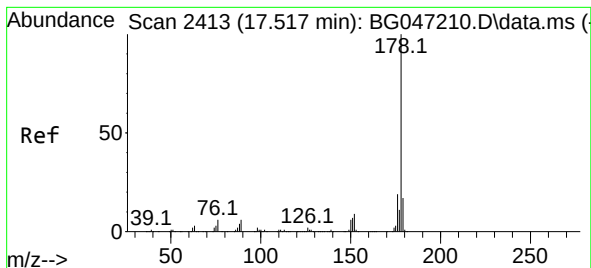
Tgt Ion:266 Resp: 434498
 Ion Ratio Lower Upper
 266 100
 268 64.5 49.8 74.6
 264 63.0 49.3 73.9



#71
 Phenanthrene
 Concen: 128.47 ng
 RT: 17.439 min Scan# 2400
 Delta R.T. 0.009 min
 Lab File: BG047220.D
 Acq: 5 Nov 2020 11:23

Tgt Ion:178 Resp: 2666697
 Ion Ratio Lower Upper
 178 100
 176 24.2 16.7 25.1
 179 19.4 14.0 21.0



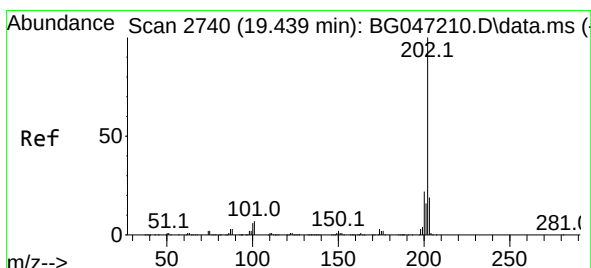
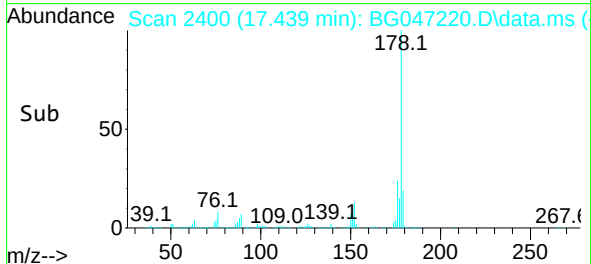
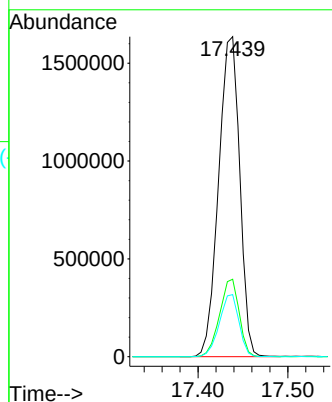
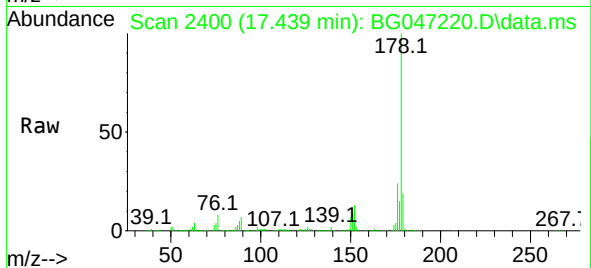


#72
 Anthracene
 Concen: 132.24 ng
 RT: 17.439 min Scan# 2400
 Delta R.T. -0.079 min
 Lab File: BG047220.D
 Acq: 5 Nov 2020 11:23

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:178 Resp: 2666697

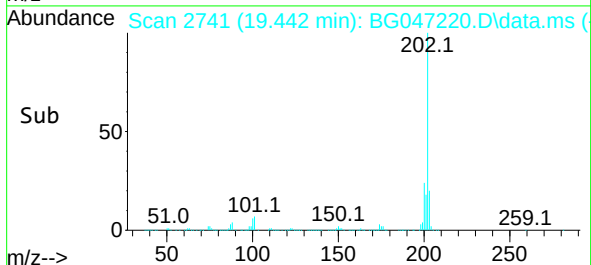
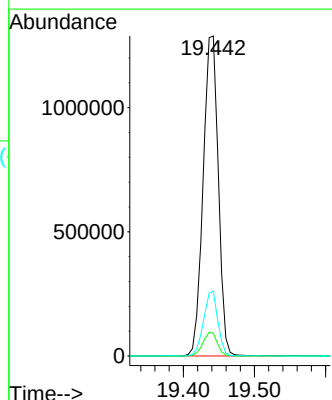
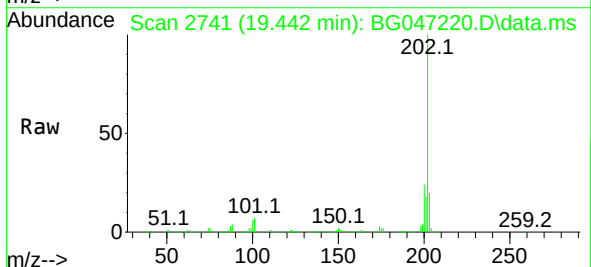
Ion	Ratio	Lower	Upper
178	100		
176	24.2	16.4	24.6
179	19.4	13.8	20.6

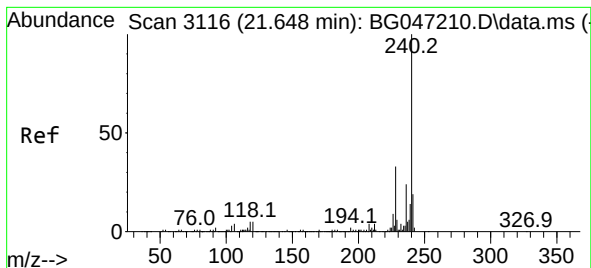


#75
 Fluoranthene
 Concen: 72.59 ng
 RT: 19.442 min Scan# 2741
 Delta R.T. 0.003 min
 Lab File: BG047220.D
 Acq: 5 Nov 2020 11:23

Tgt Ion:202 Resp: 1919223

Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	29.7
203	20.3	0.0	39.2





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.651 min Scan# 3117

Delta R.T. 0.003 min

Lab File: BG047220.D

Acq: 5 Nov 2020 11:23

Tgt Ion:240 Resp: 355490

Ion Ratio Lower Upper

240 100

120 5.1 6.2 9.4#

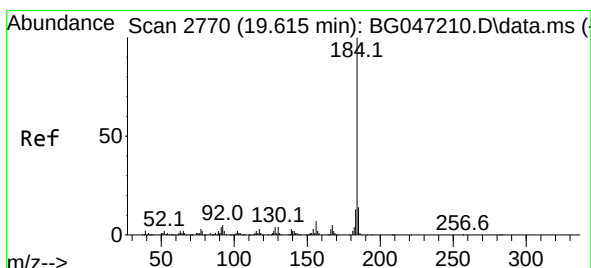
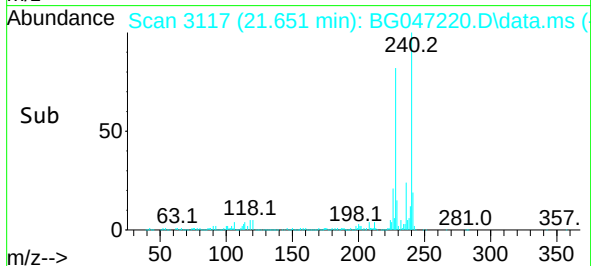
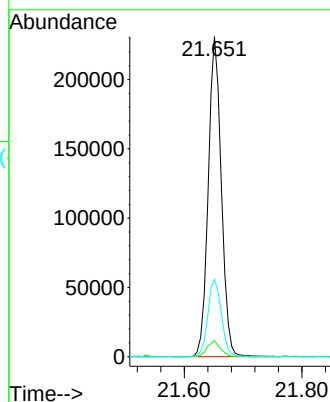
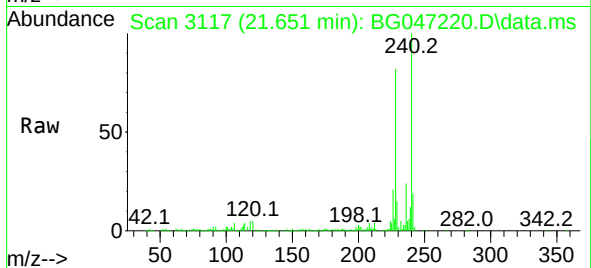
236 24.2 20.5 30.7

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL



#77

Benzidine

Concen: 2.43 ng

RT: 19.994 min Scan# 2835

Delta R.T. 0.379 min

Lab File: BG047220.D

Acq: 5 Nov 2020 11:23

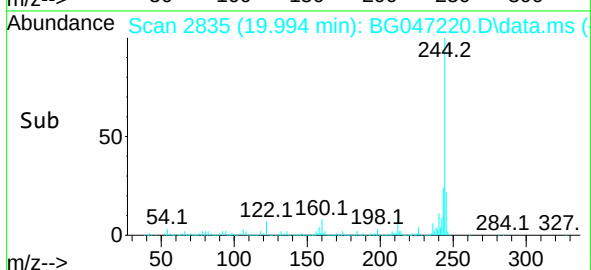
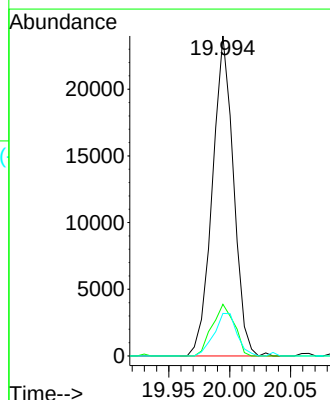
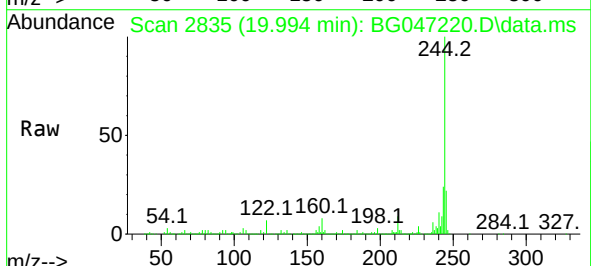
Tgt Ion:184 Resp: 28949

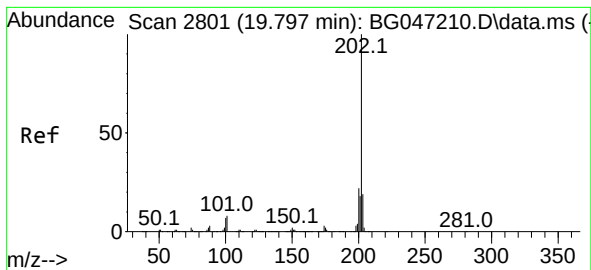
Ion Ratio Lower Upper

184 100

185 16.2 12.4 18.6

183 13.3 10.6 15.8

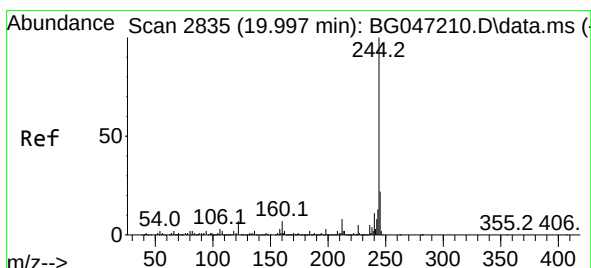
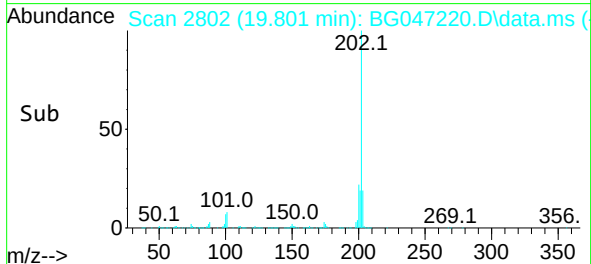
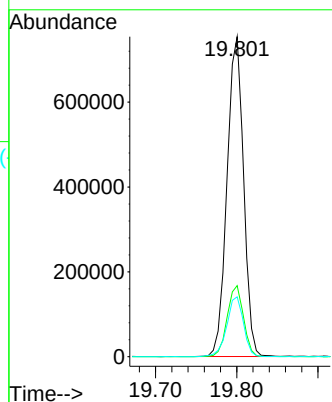
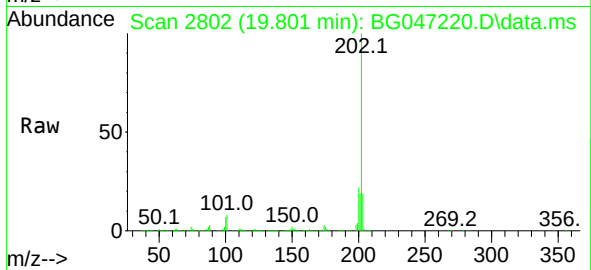




#78
 Pyrene
 Concen: 43.15 ng
 RT: 19.801 min Scan# 2802
 Delta R.T. 0.003 min
 Lab File: BG047220.D
 Acq: 5 Nov 2020 11:23

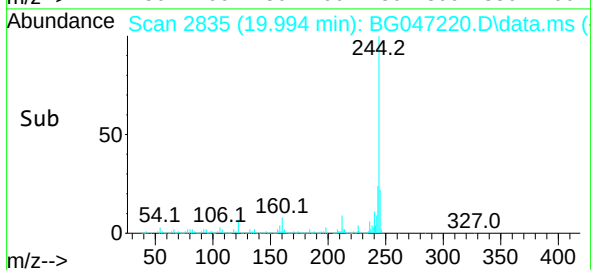
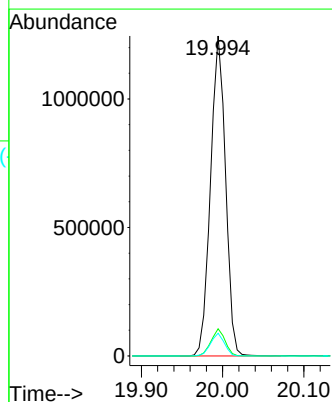
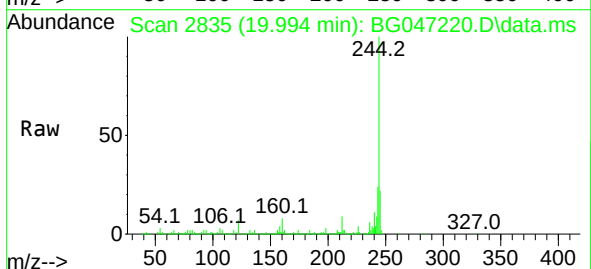
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

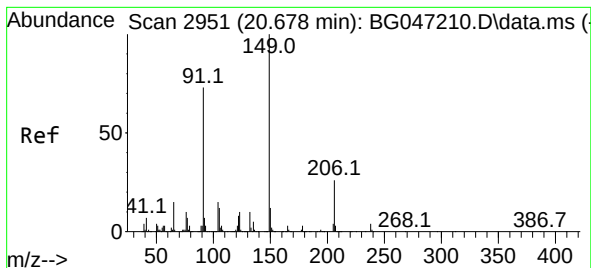
Tgt Ion:202 Resp: 1068335
 Ion Ratio Lower Upper
 202 100
 200 22.2 18.6 27.8
 203 18.7 15.3 22.9



#79
 Terphenyl-d14
 Concen: 78.91 ng
 RT: 19.994 min Scan# 2835
 Delta R.T. -0.003 min
 Lab File: BG047220.D
 Acq: 5 Nov 2020 11:23

Tgt Ion:244 Resp: 1595236
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.7 10.1
 122 7.1 7.8 11.6#

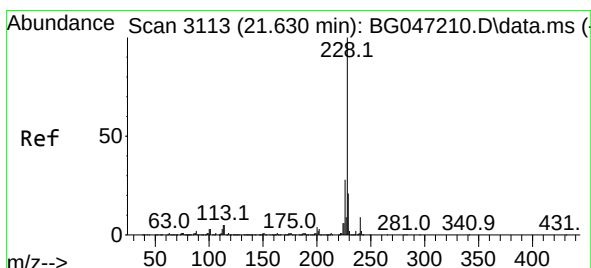
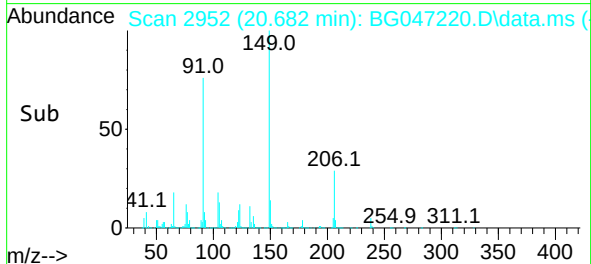
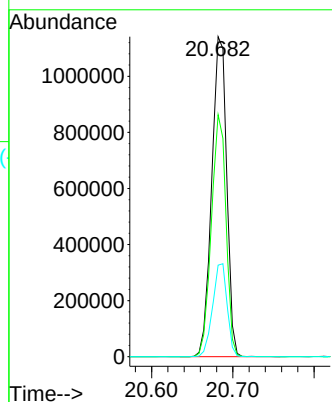
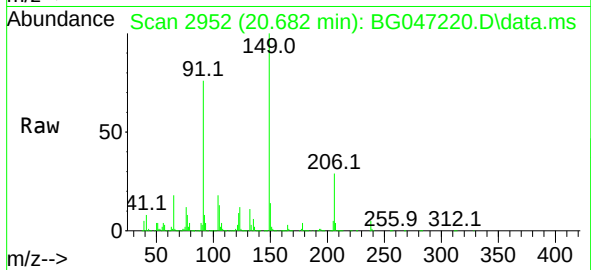




#80
Butylbenzylphthalate
Concen: 155.88 ng
RT: 20.682 min Scan# 2952
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

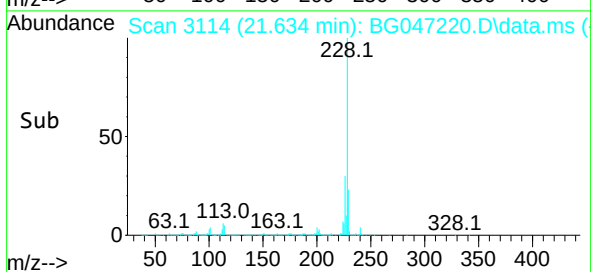
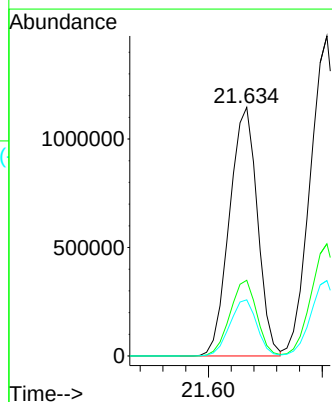
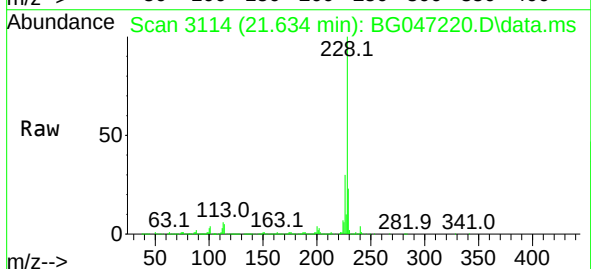
Instrument :
BNA_G
ClientSampled :
PT-BNA-SOIL

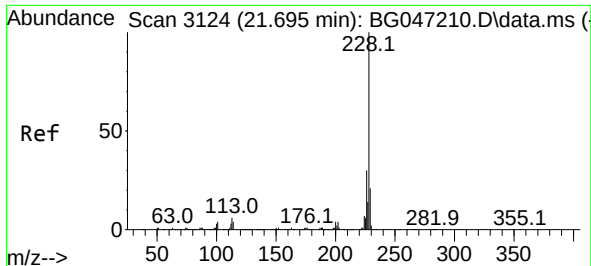
Tgt Ion:149 Resp: 1455803
Ion Ratio Lower Upper
149 100
91 75.6 51.5 77.3
206 28.6 21.2 31.8



#81
Benzo(a)anthracene
Concen: 77.73 ng
RT: 21.634 min Scan# 3114
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:228 Resp: 1958810
Ion Ratio Lower Upper
228 100
226 30.5 23.3 34.9
229 22.6 17.4 26.0

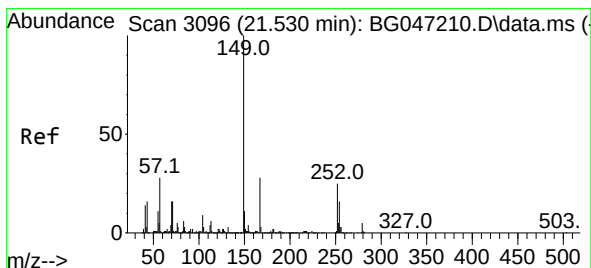
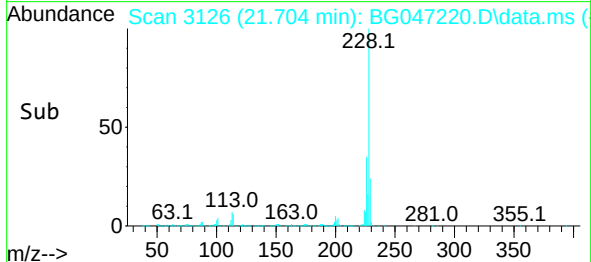
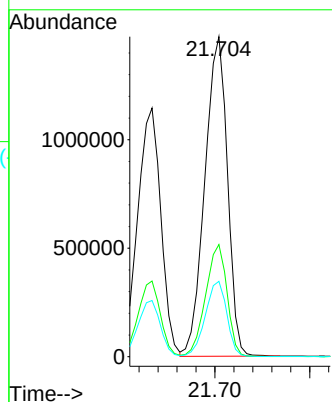
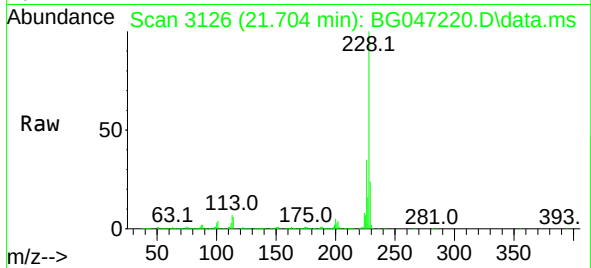




#83
Chrysene
Concen: 100.40 ng
RT: 21.704 min Scan# 3126
Delta R.T. 0.009 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

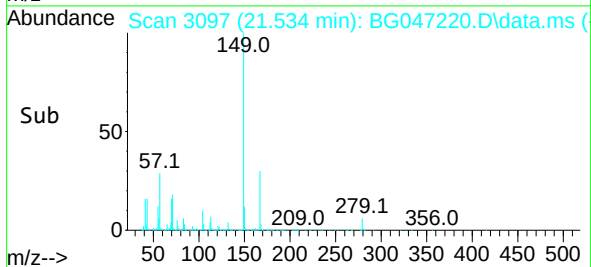
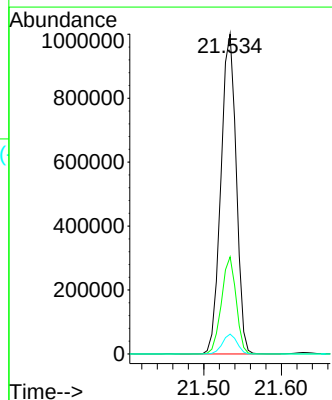
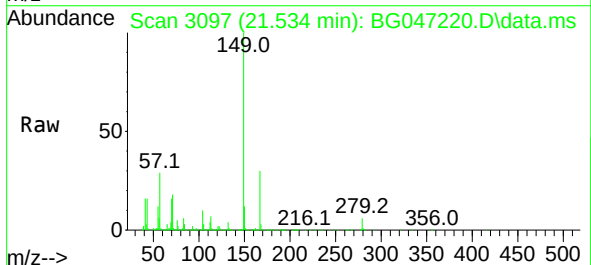
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

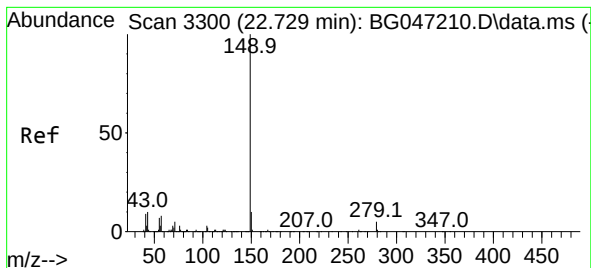
Tgt Ion:228 Resp: 2435194
Ion Ratio Lower Upper
228 100
226 35.0 25.0 37.4
229 23.6 17.3 25.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 105.14 ng
RT: 21.534 min Scan# 3097
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:149 Resp: 1373477
Ion Ratio Lower Upper
149 100
167 30.3 24.8 37.2
279 6.2 4.6 7.0

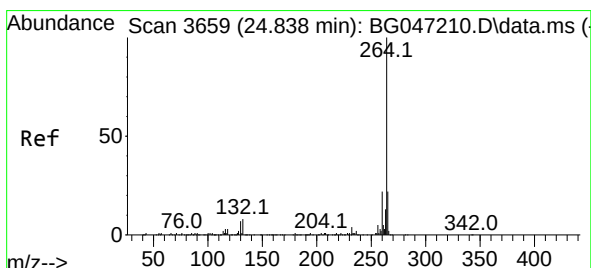
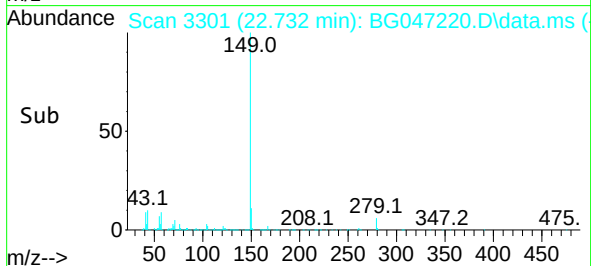
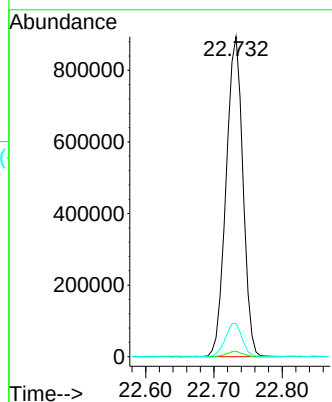
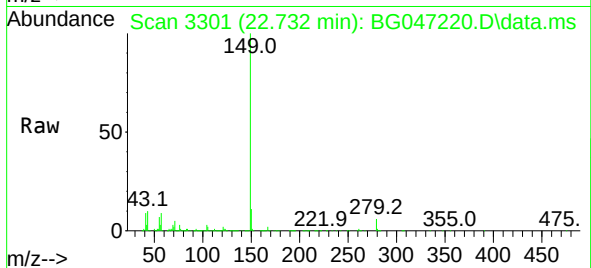




#85
Di-n-octyl phthalate
Concen: 69.77 ng
RT: 22.732 min Scan# 3301
Delta R.T. 0.003 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

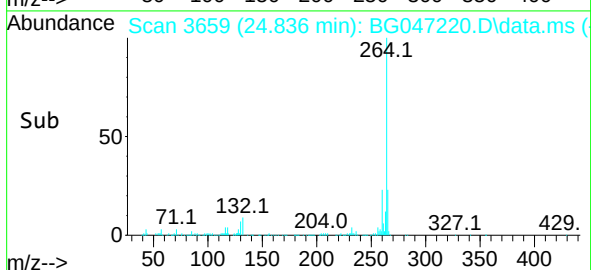
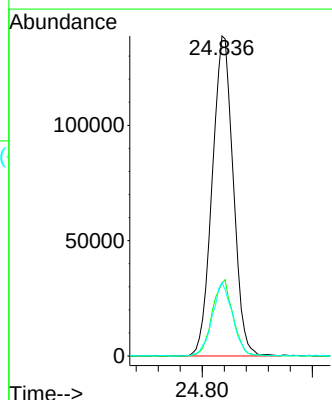
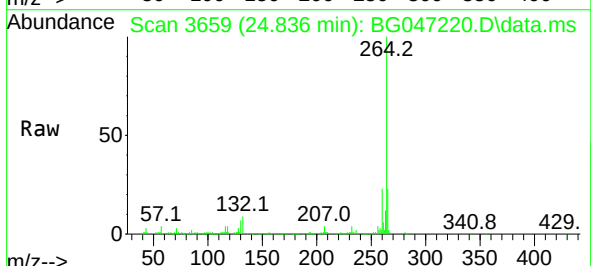
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

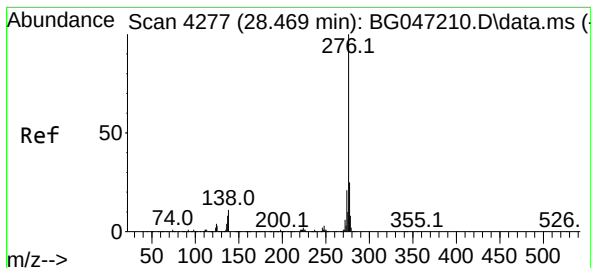
Tgt Ion:149 Resp: 1531800
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.2
43 10.4 6.8 10.2#



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.836 min Scan# 3659
Delta R.T. -0.002 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

Tgt Ion:264 Resp: 367422
Ion Ratio Lower Upper
264 100
260 22.7 18.8 28.2
265 23.0 17.8 26.8

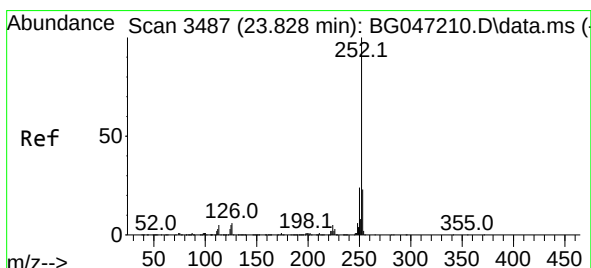
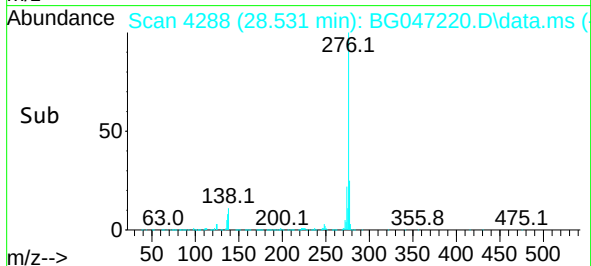
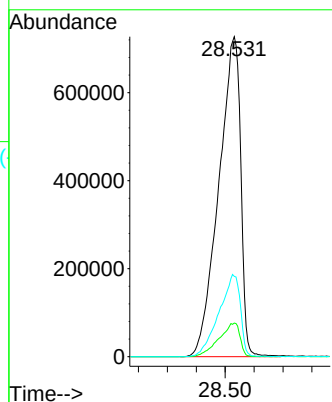
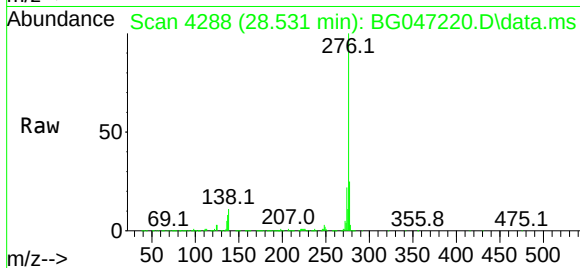




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 137.27 ng
 RT: 28.531 min Scan# 4288
 Delta R.T. 0.062 min
 Lab File: BG047220.D
 Acq: 5 Nov 2020 11:23

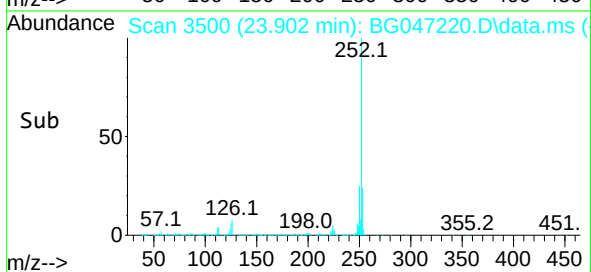
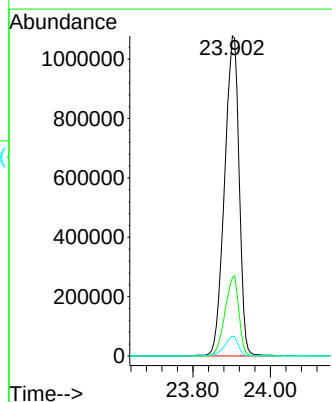
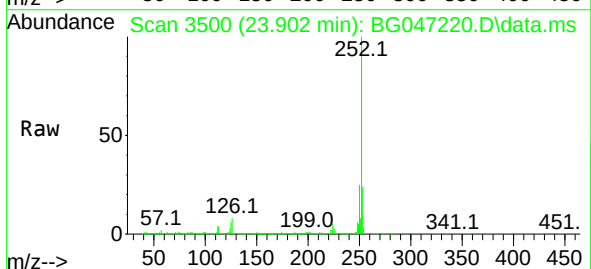
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

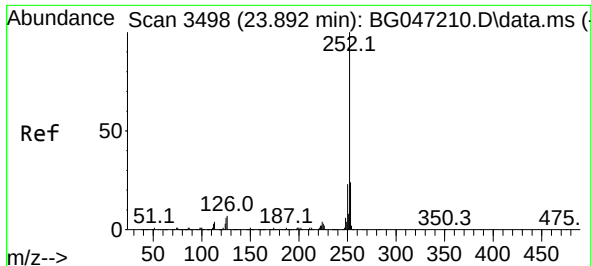
Tgt Ion:276 Resp: 3828471
 Ion Ratio Lower Upper
 276 100
 138 10.1 16.2 24.2#
 277 25.1 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 112.39 ng
 RT: 23.902 min Scan# 3500
 Delta R.T. 0.074 min
 Lab File: BG047220.D
 Acq: 5 Nov 2020 11:23

Tgt Ion:252 Resp: 2819155
 Ion Ratio Lower Upper
 252 100
 253 24.4 18.7 28.1
 125 6.1 6.5 9.7#

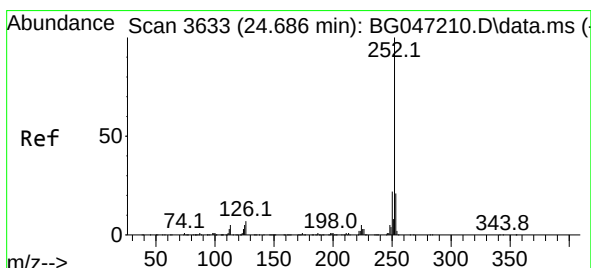
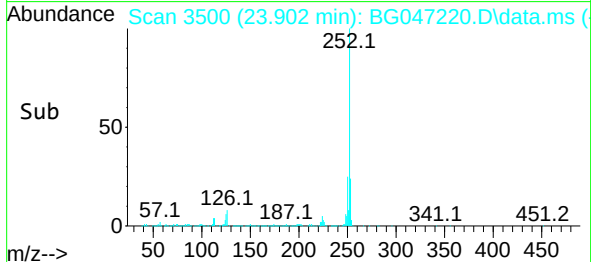
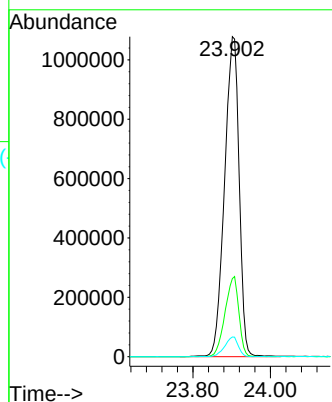
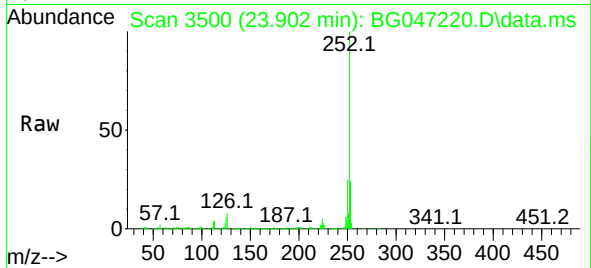




#89
Benzo(k)fluoranthene
Concen: 115.06 ng
RT: 23.902 min Scan# 3500
Delta R.T. 0.009 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

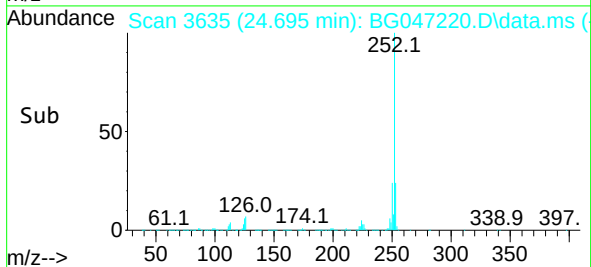
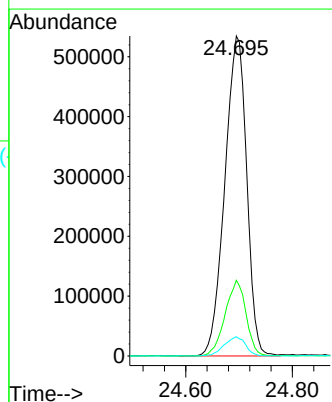
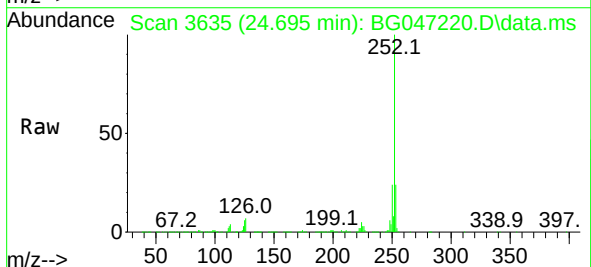
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

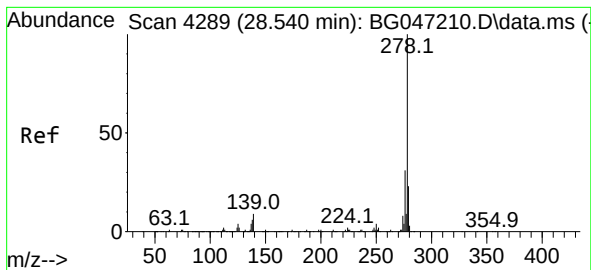
Tgt Ion:252 Resp: 2819155
Ion Ratio Lower Upper
252 100
253 24.4 18.6 27.8
125 6.1 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 65.06 ng
RT: 24.695 min Scan# 3635
Delta R.T. 0.009 min
Lab File: BG047220.D
Acq: 5 Nov 2020 11:23

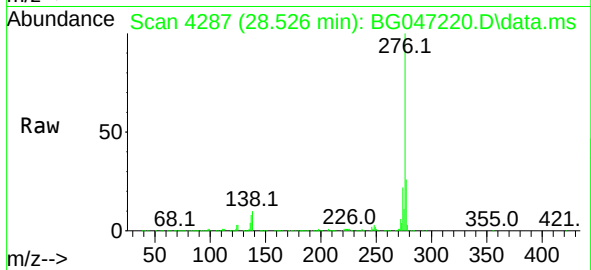
Tgt Ion:252 Resp: 1523104
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 6.0 7.0 10.4#





#91
 Dibenzo(a,h)anthracene
 Concen: 4.91 ng
 RT: 28.526 min Scan# 4287
 Delta R.T. -0.014 min
 Lab File: BG047220.D
 Acq: 5 Nov 2020 11:23

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL



Tgt Ion:278 Resp: 111446

Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.5	15.7#
279	8.0	19.4	29.0#

