

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033218.D
 Acq On : 17 Mar 2018 5:00
 Operator : SJ/JU
 Sample : J1931-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1488-SOIL

Quant Time: Mar 19 02:22:42 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	34824	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	136143	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	100728	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	297821	20.00	ng	0.00
75) Chrysene-d12	22.60	240	319591	20.00	ng	-0.01
86) Perylene-d12	26.40	264	340619	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	307903	141.45	ng	0.00
7) Phenol-d6	8.00	99	425664	140.30	ng	-0.01
23) Nitrobenzene-d5	10.09	82	340995	163.46	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	289536	273.37	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	761173	108.99	ng	0.00
78) Terphenyl-d14	20.76	244	1679808	118.09	ng	0.00

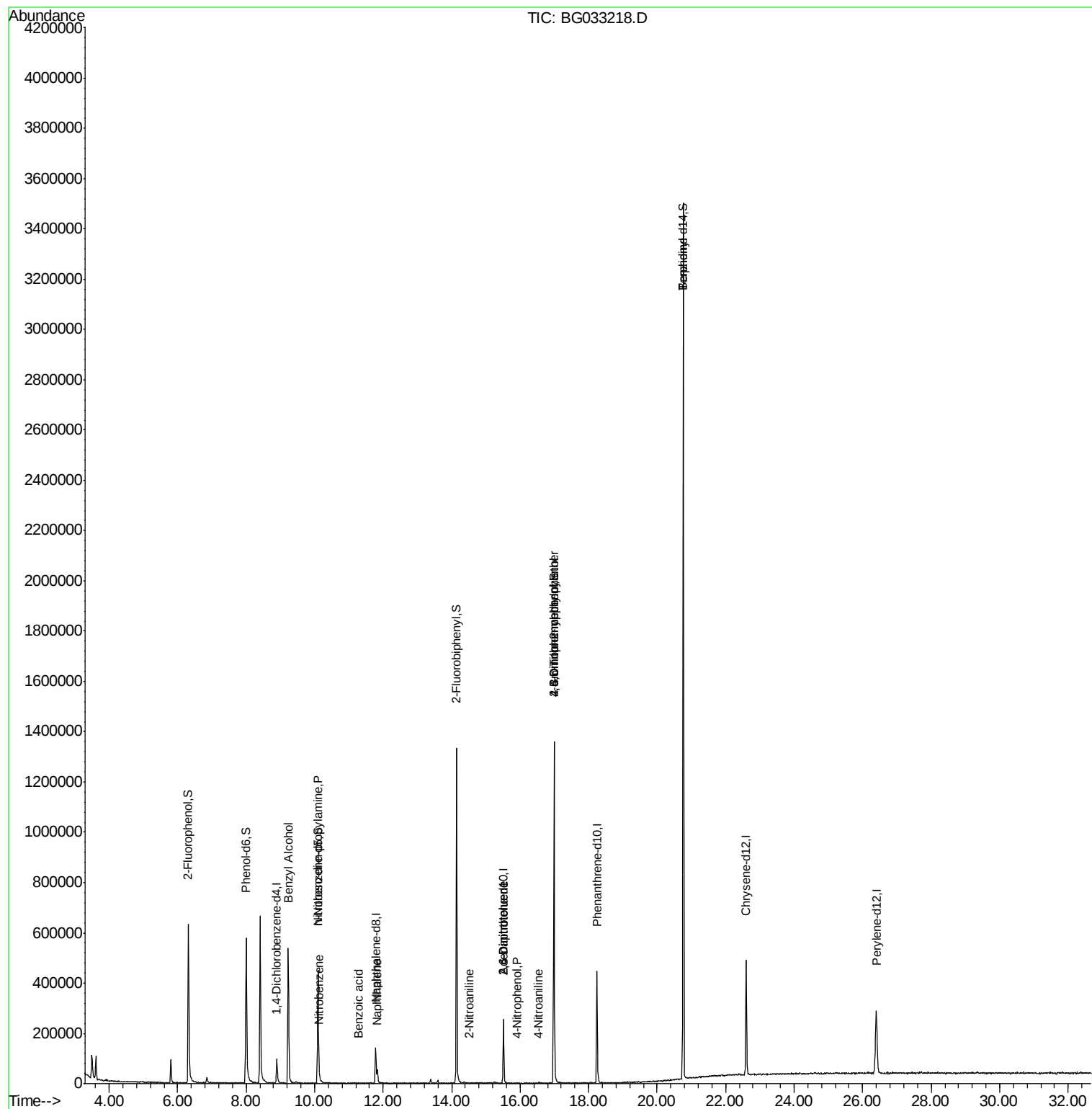
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.22	79	5498	2.465	ng	# 71
19) n-Nitroso-di-n-propylamine	10.09	70	45408	21.199	ng	# 75
24) Nitrobenzene	10.14	77	78	6.411	ng	# 42
31) Naphthalene	11.83	128	48226	6.779	ng	# 95
32) Benzoic acid	11.29	122	75	5.886	ng	# 1
47) 2-Nitroaniline	14.51	65	76	9.872	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	12563	16.128	ng	# 20
55) 4-Nitrophenol	15.91	139	466	7.384	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	12563	14.324	ng	# 18
61) 4-Nitroaniline	16.53	138	62	5.330	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.98	198	525	5.698	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	21628	6.868	ng	# 1
76) Benzidine	20.76	184	28605	2.626	ng	# 95

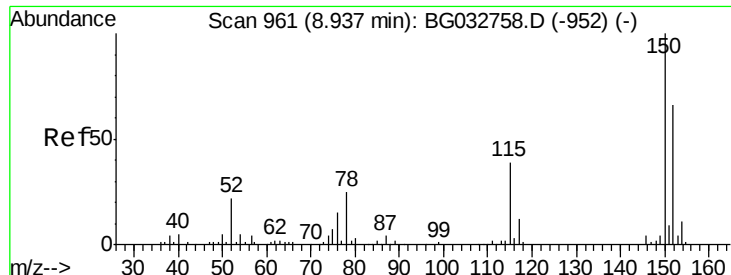
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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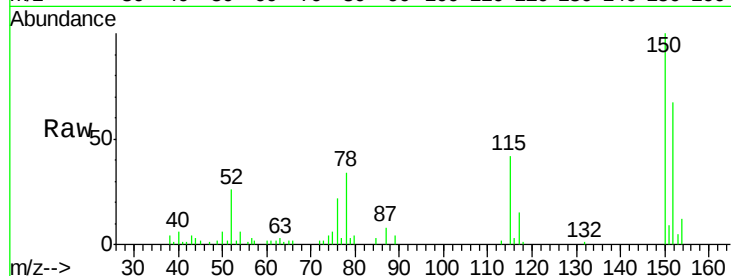


#1

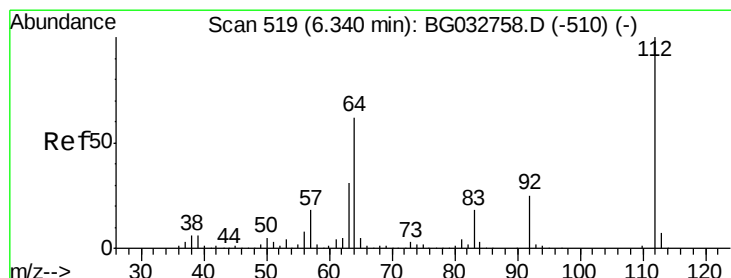
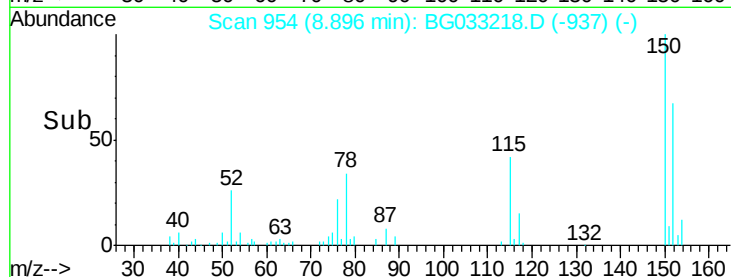
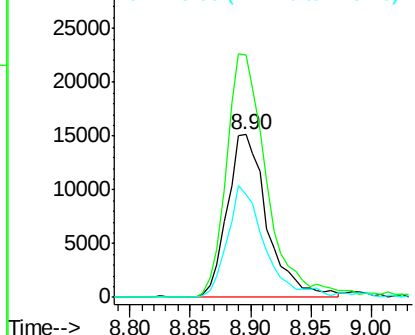
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Instrument :
BNA_G
ClientSampleId :
1488-SOIL

Tot Ion:152 Resp: 34824
Ion Ratio Lower Upper
152 100
150 149.6 126.6 189.8
115 63.1 53.0 79.4



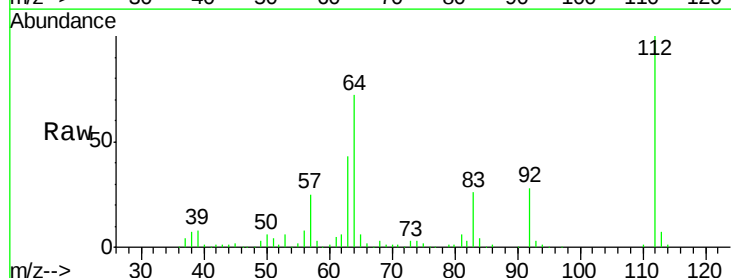
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



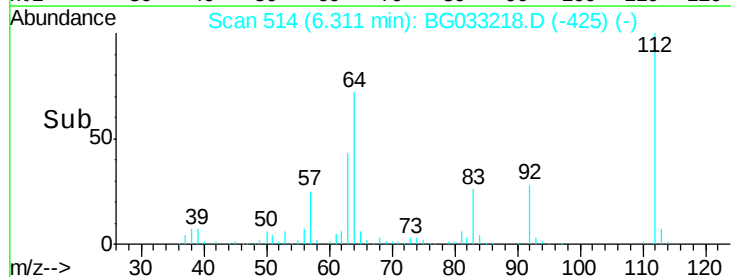
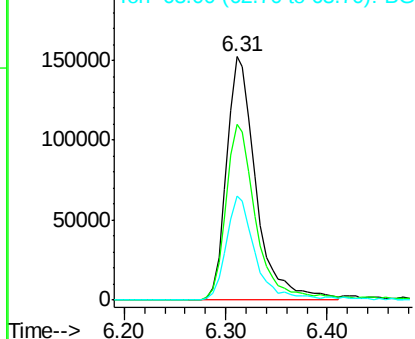
#5

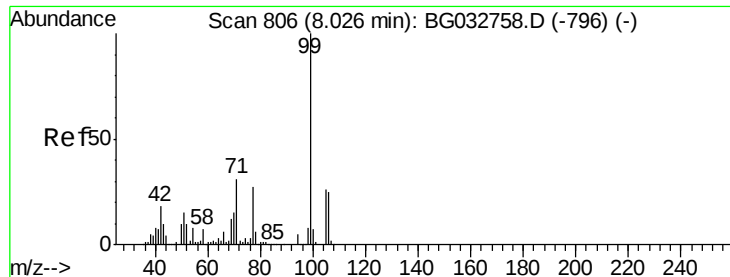
2-Fluorophenol
Concen: 141.454 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.01 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Tgt Ion:112 Resp: 307903
Ion Ratio Lower Upper
112 100
64 72.0 56.3 84.5
63 42.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 140.297 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

Instrument :

BNA_G

ClientSampleId :

1488-SOIL

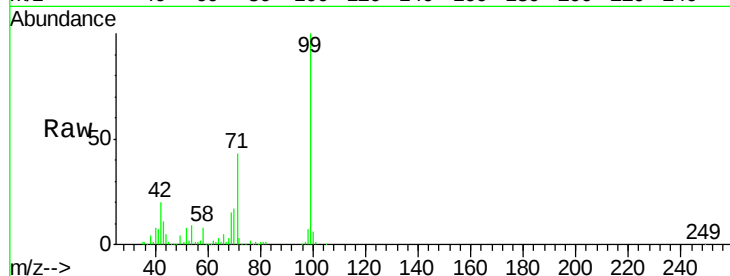
Tot Ion: 99 Resp: 425664

Ion Ratio Lower Upper

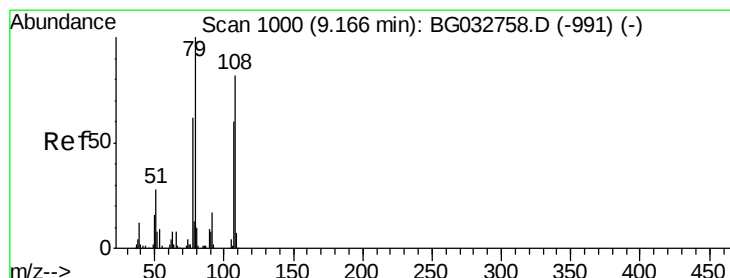
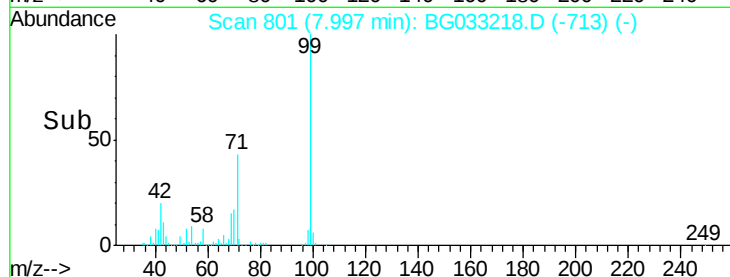
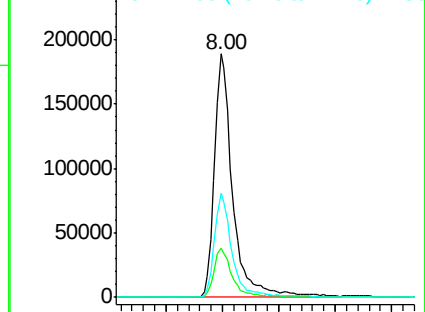
99 100

42 20.2 14.1 21.1

71 42.5 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.465 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.09 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

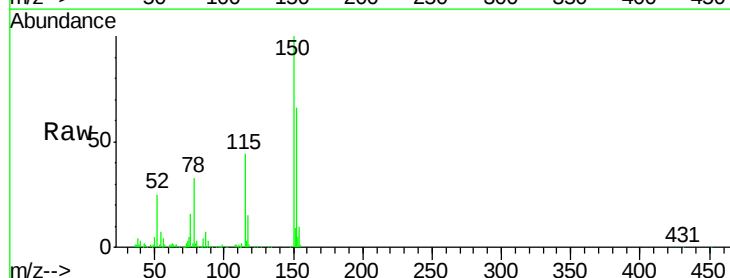
Tgt Ion: 79 Resp: 5498

Ion Ratio Lower Upper

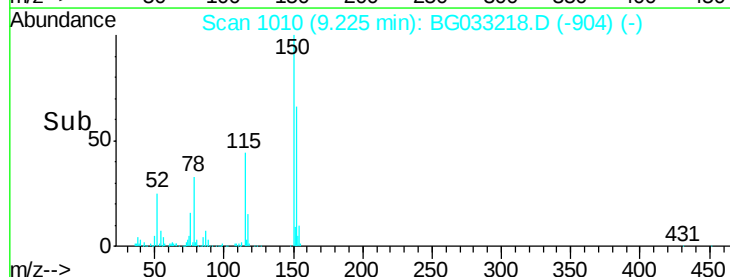
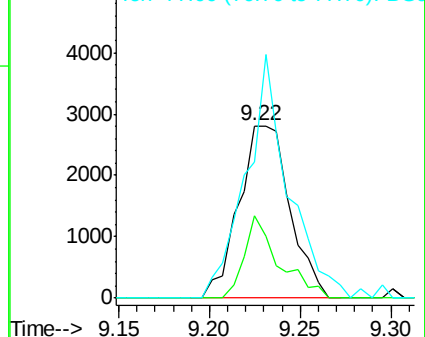
79 100

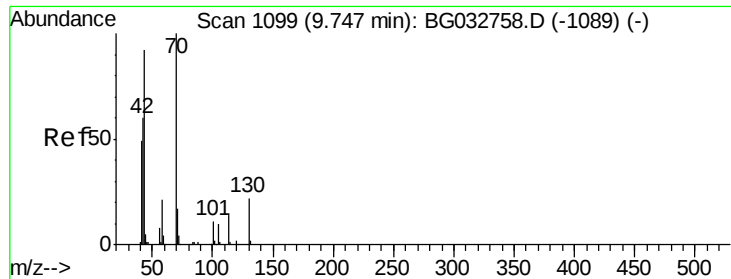
108 47.5 57.2 85.8#

77 79.5 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

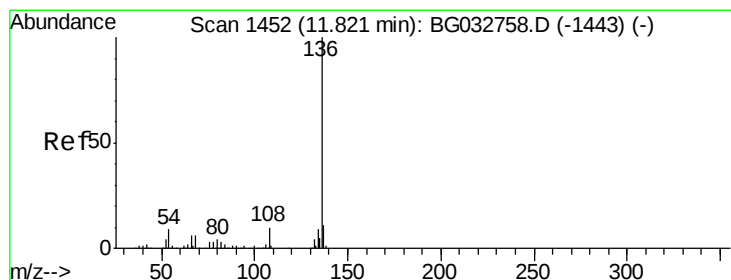
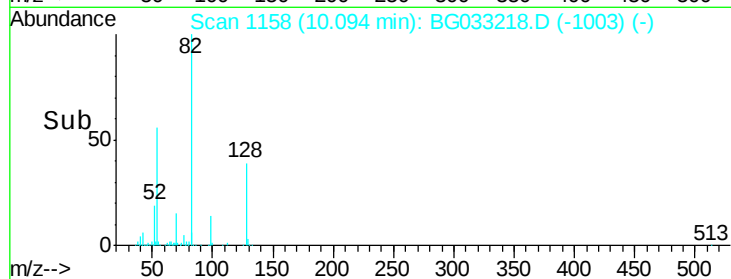
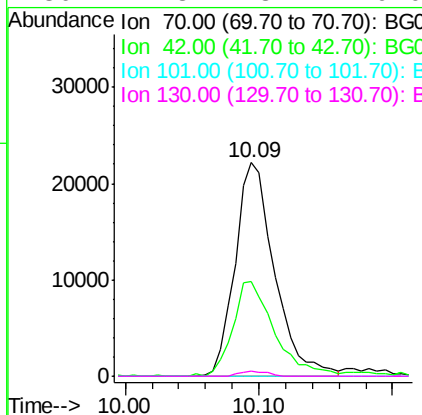
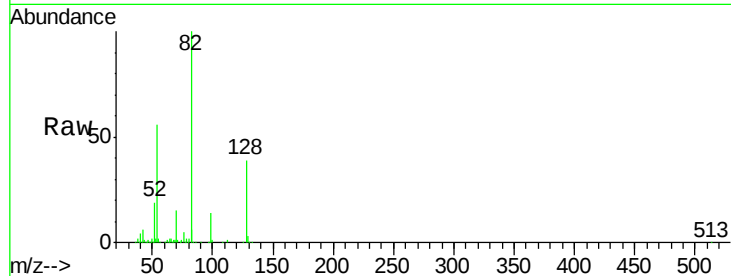




#19
n-Nitroso-di-n-propylamine
Concen: 21.199 ng
RT: 10.09 min Scan# 1158
Delta R.T. 0.38 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

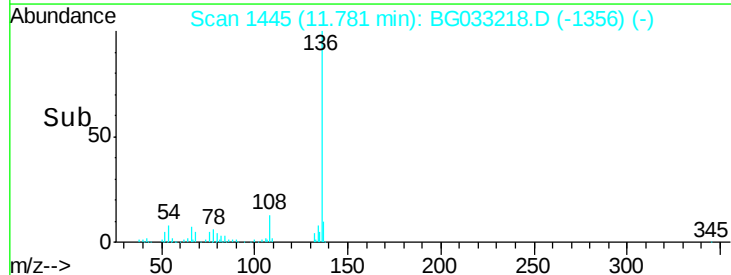
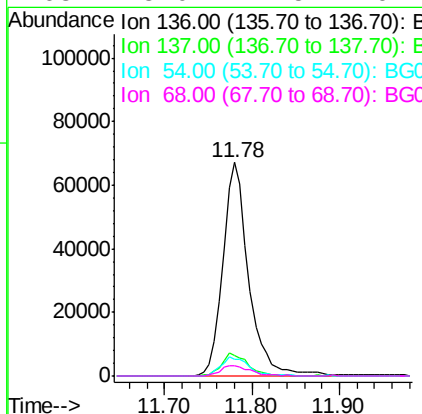
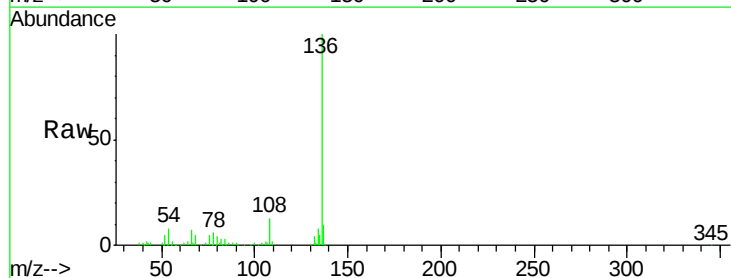
Instrument :
BNA_G
ClientSampleId :
1488-SOIL

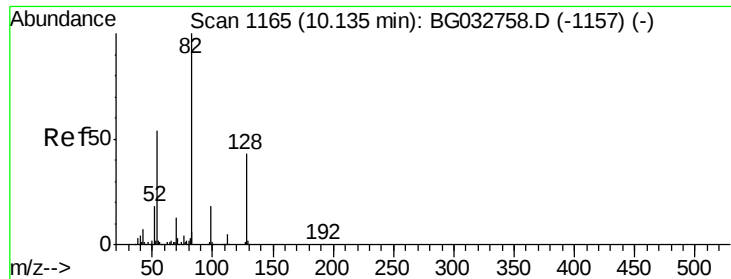
Tot Ion: 70 Resp: 45408
Ion Ratio Lower Upper
70 100
42 44.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Tgt Ion: 136 Resp: 136143
Ion Ratio Lower Upper
136 100
137 9.6 9.2 13.8
54 8.0 10.3 15.5#
68 5.0 4.5 6.7





#23

Nitrobenzene-d5

Concen: 163.455 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

Instrument :

BNA_G

ClientSampleId :

1488-SOIL

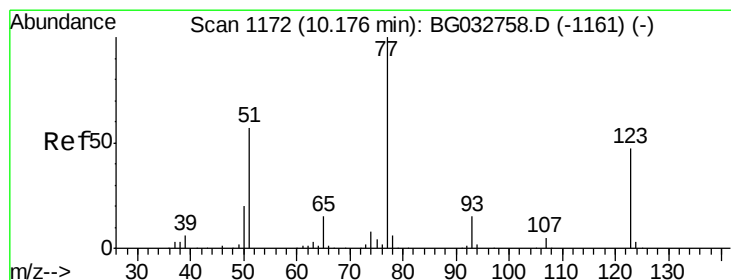
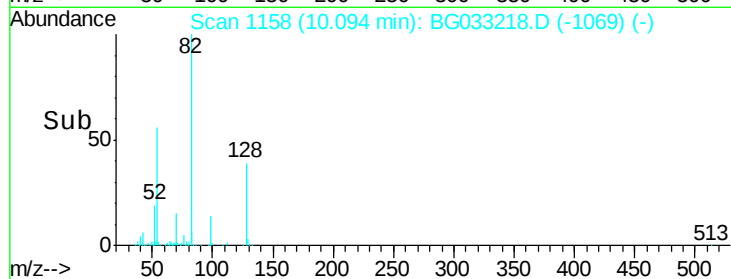
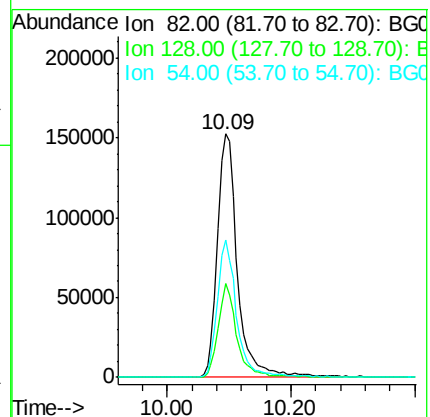
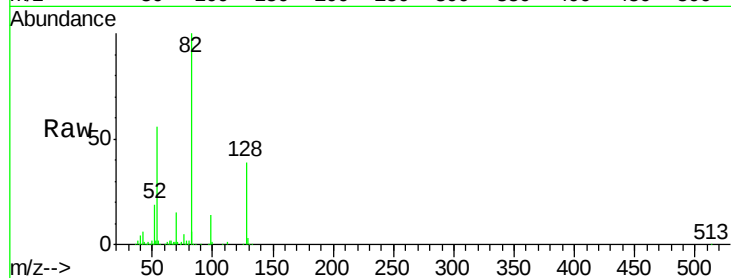
Tot Ion: 82 Resp: 340995

Ion Ratio Lower Upper

82 100

128 38.6 29.7 44.5

54 56.2 43.1 64.7



#24

Nitrobenzene

Concen: 6.411 ng

RT: 10.14 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

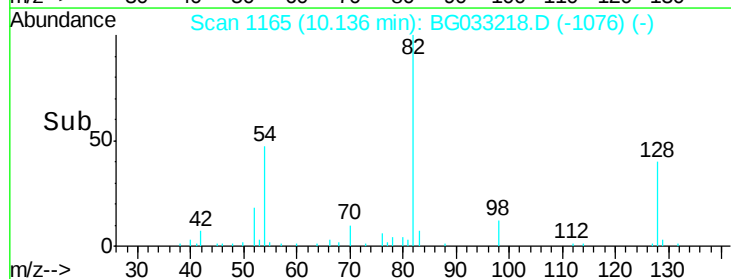
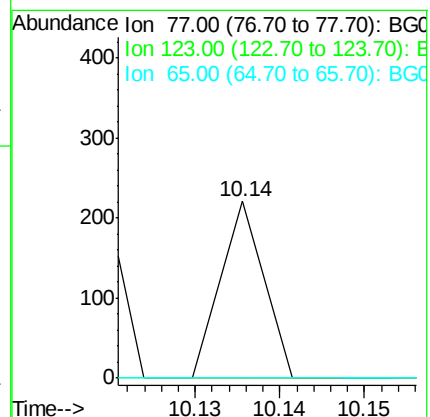
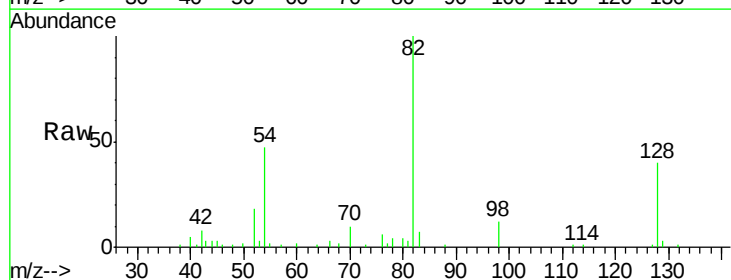
Tgt Ion: 77 Resp: 78

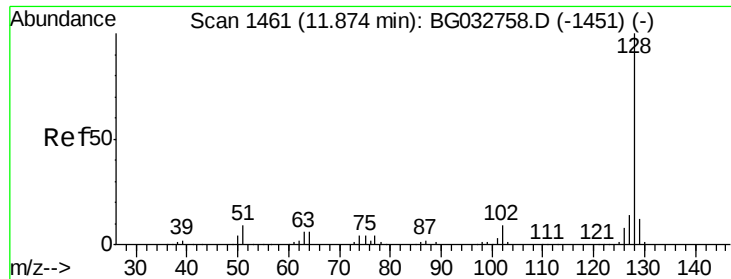
Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 0.0 13.0 19.6#

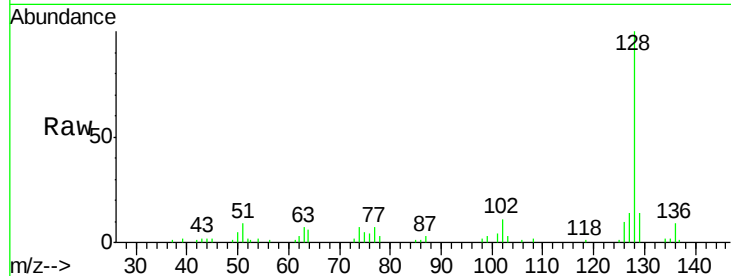




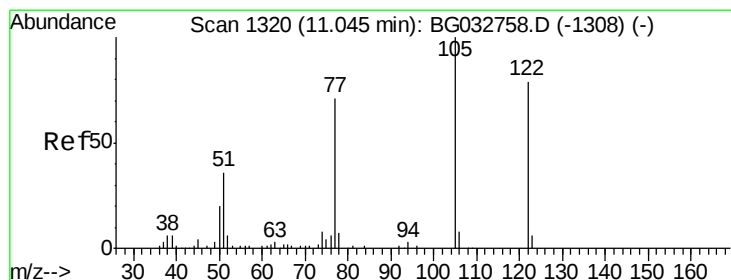
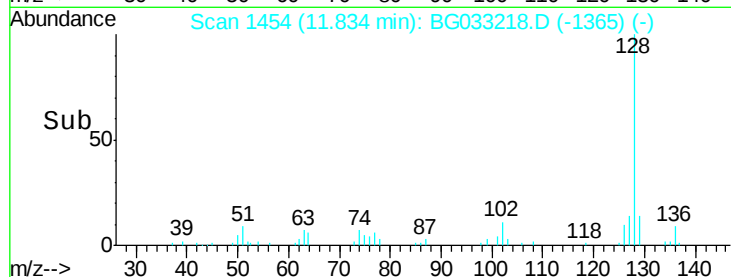
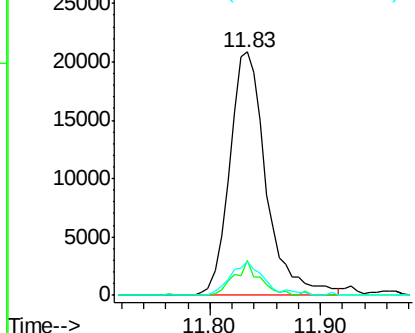
#31
Naphthalene
Concen: 6.779 ng
RT: 11.83 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Instrument :
BNA_G
ClientSampleId :
1488-SOIL

Tot Ion:128 Resp: 48226
Ion Ratio Lower Upper
128 100
129 14.2 8.6 12.8#
127 13.6 11.6 17.4

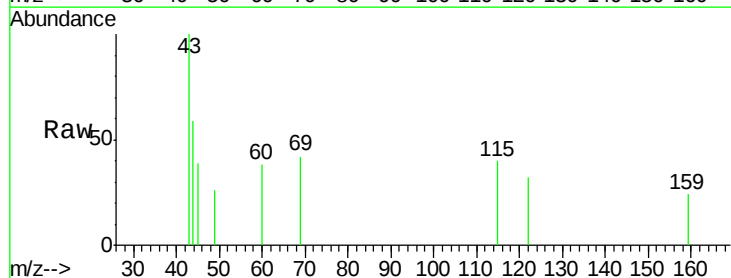


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

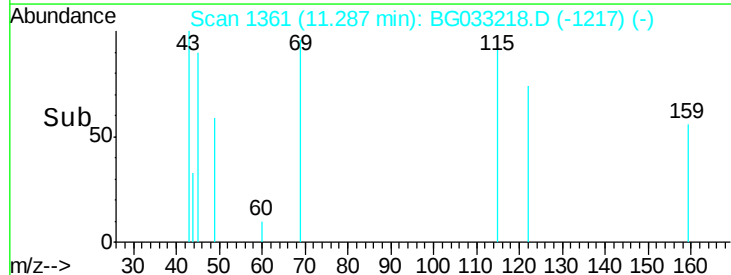
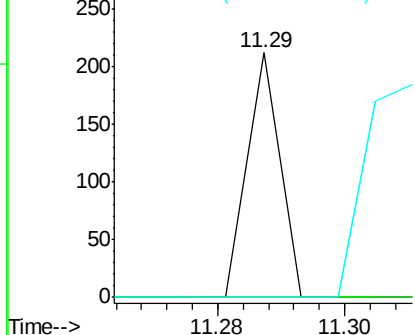


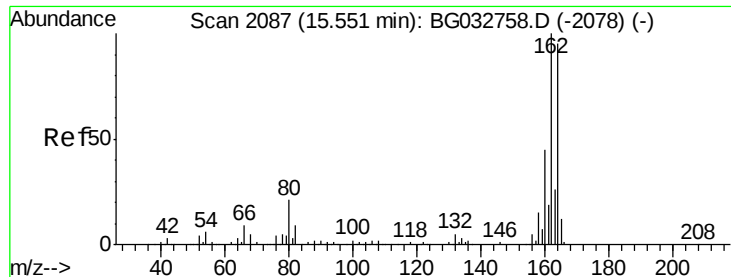
#32
Benzoic acid
Concen: 5.886 ng
RT: 11.29 min Scan# 1361
Delta R.T. 0.32 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Tgt Ion:122 Resp: 75
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGO





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

Instrument :

BNA_G

ClientSampleId :

1488-SOIL

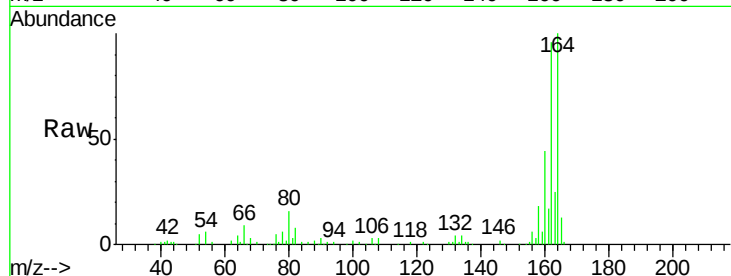
Tot Ion:164 Resp: 100728

Ion Ratio Lower Upper

164 100

162 95.8 78.8 118.2

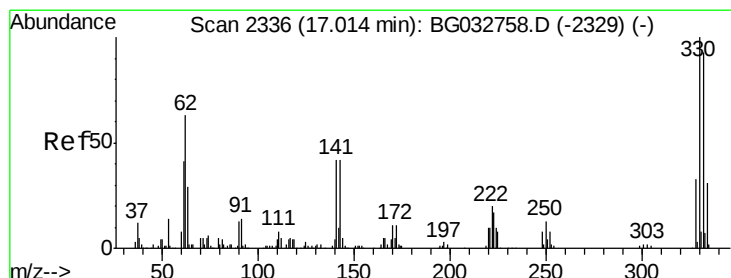
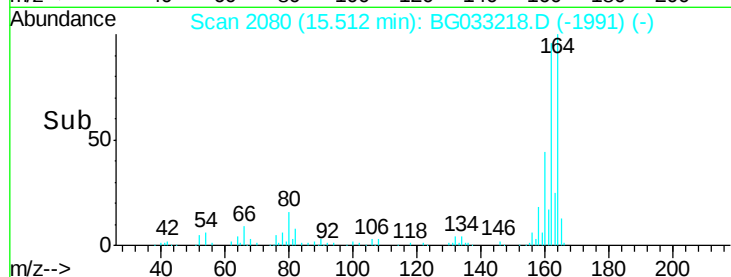
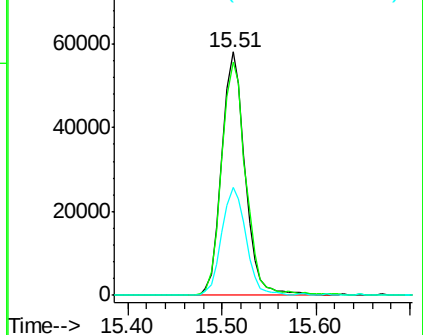
160 44.2 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 273.374 ng

RT: 16.99 min Scan# 2331

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

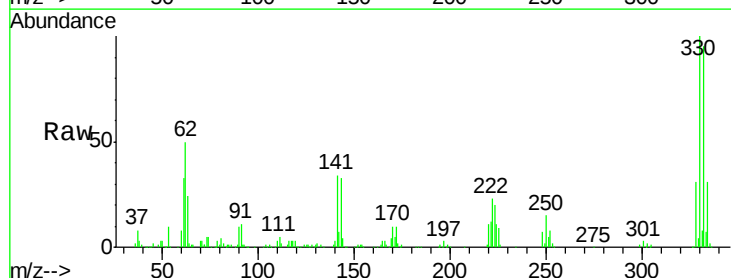
Tgt Ion:330 Resp: 289536

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

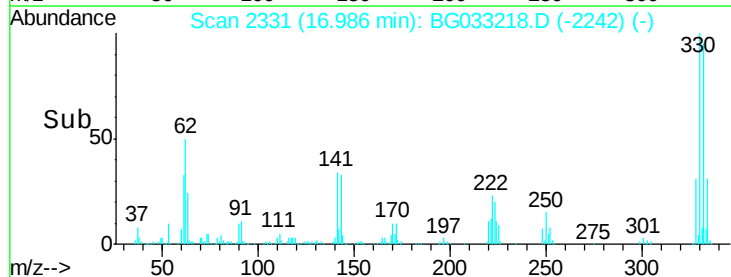
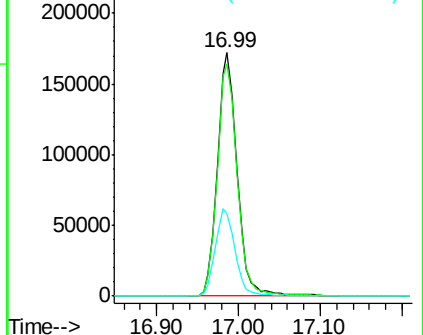
141 36.2 25.2 37.8

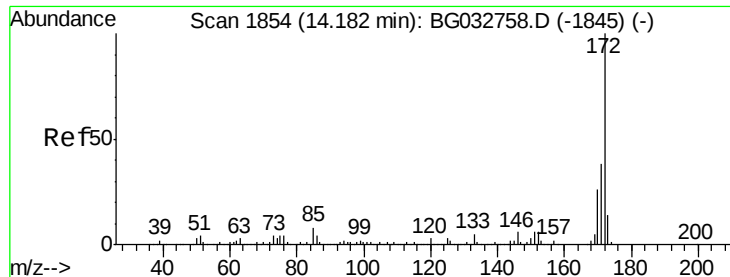


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

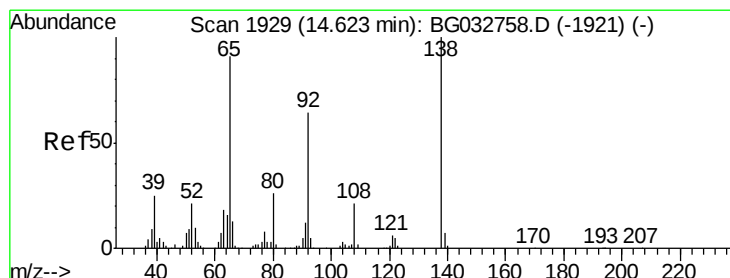
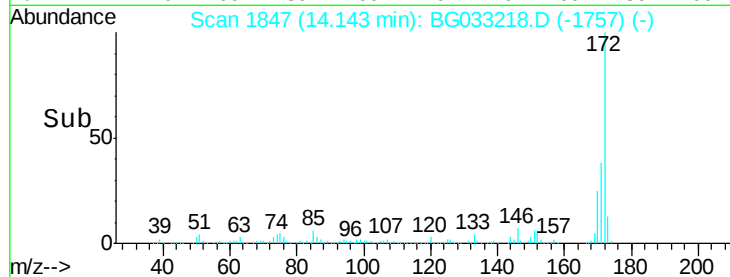
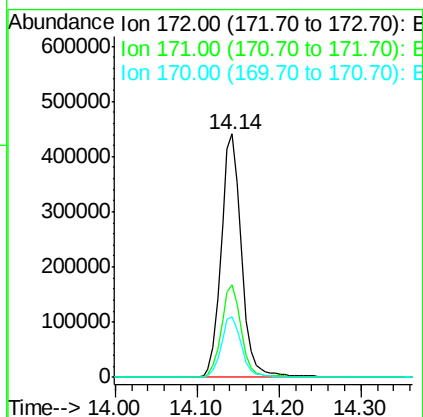
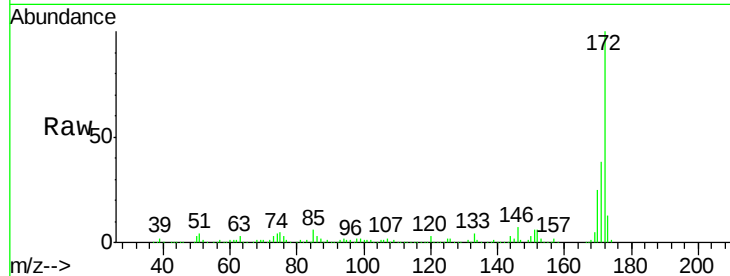




#44
 2-Fluorobiphenyl
 Concen: 108.987 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033218.D
 Acq: 17 Mar 2018 5:00

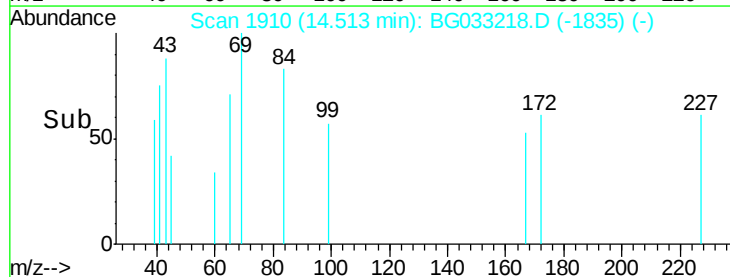
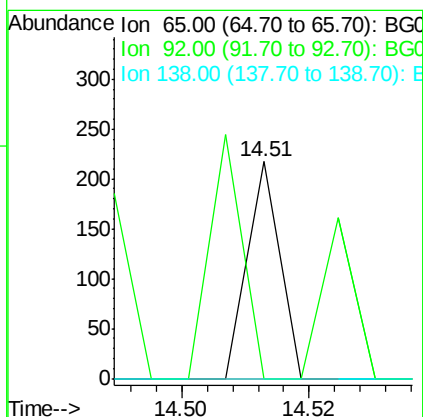
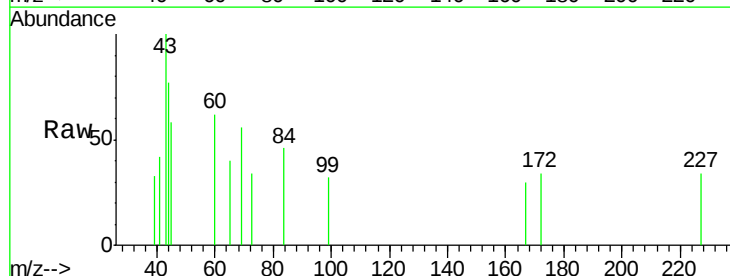
Instrument :
 BNA_G
 ClientSampled :
 1488-SOIL

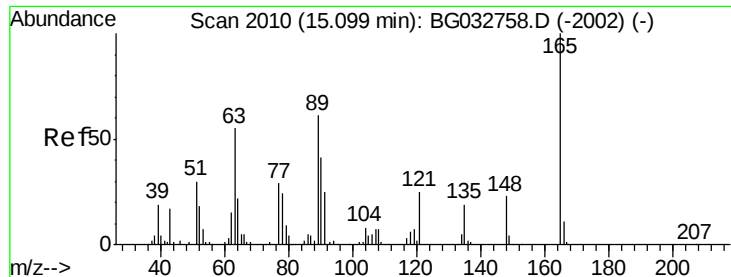
Tot Ion:172 Resp: 761173
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 25.1 19.5 29.3



#47
 2-Nitroaniline
 Concen: 9.872 ng
 RT: 14.51 min Scan# 1910
 Delta R.T. -0.09 min
 Lab File: BG033218.D
 Acq: 17 Mar 2018 5:00

Tgt Ion: 65 Resp: 76
 Ion Ratio Lower Upper
 65 100
 92 0.0 54.6 82.0#
 138 0.0 72.9 109.3#

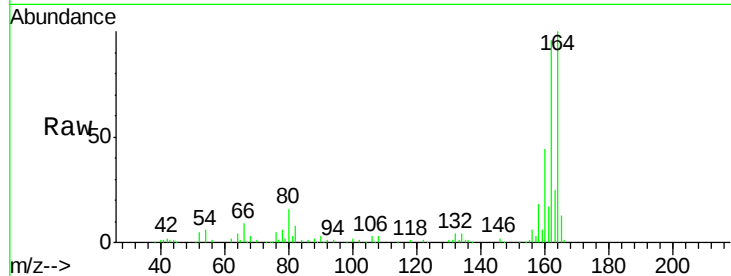




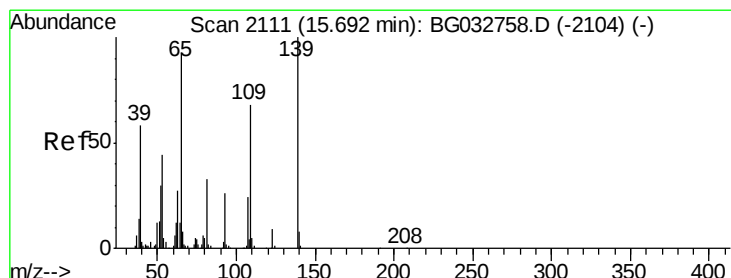
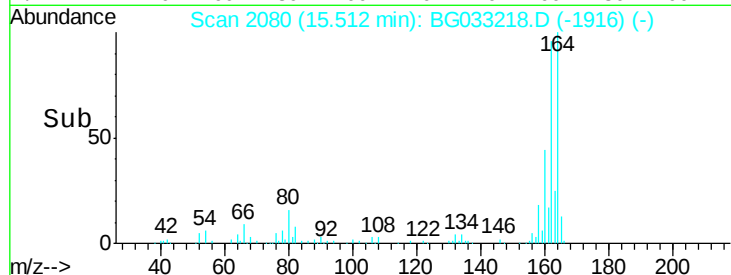
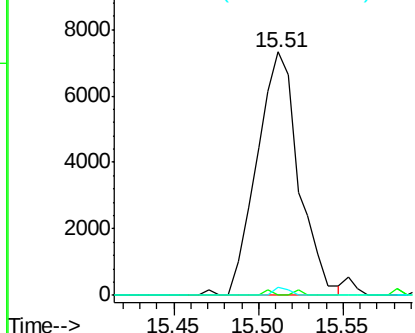
#50
2,6-Dinitrotoluene
Concen: 16.128 ng
RT: 15.51 min Scan# 2080
Delta R.T. 0.43 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Instrument :
BNA_G
ClientSampleId :
1488-SOIL

Tot Ion:165 Resp: 12563
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.2 49.2 73.8#

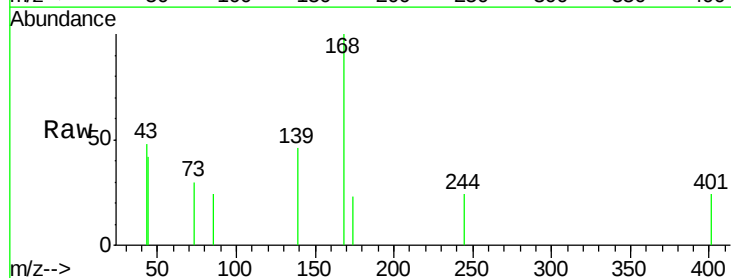


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

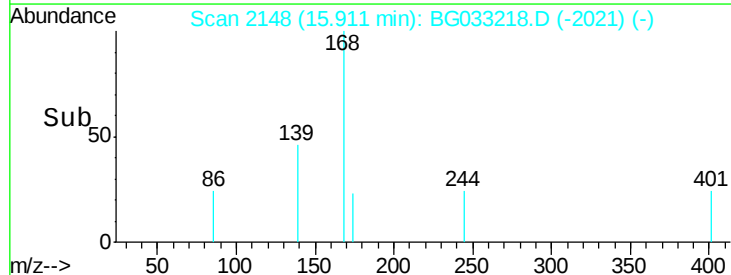
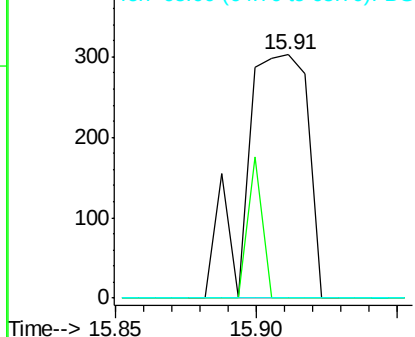


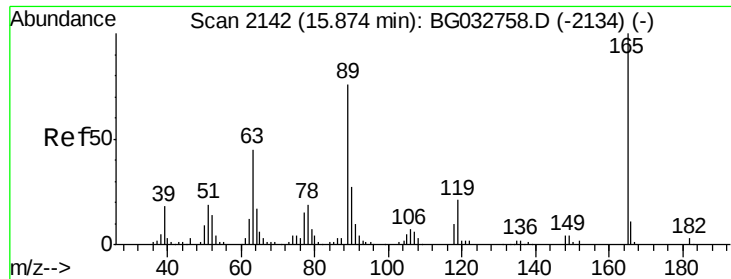
#55
4-Nitrophenol
Concen: 7.384 ng
RT: 15.91 min Scan# 2148
Delta R.T. 0.22 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Tgt Ion:139 Resp: 466
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

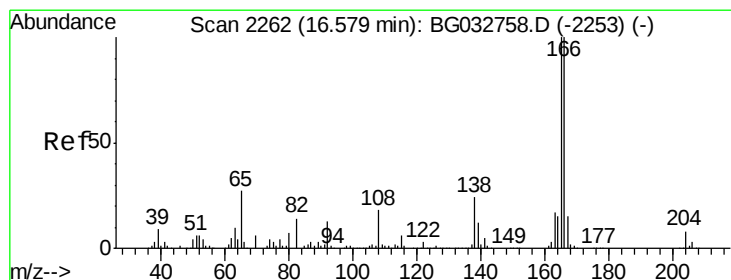
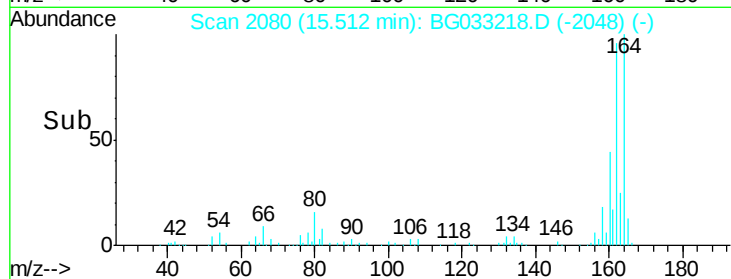
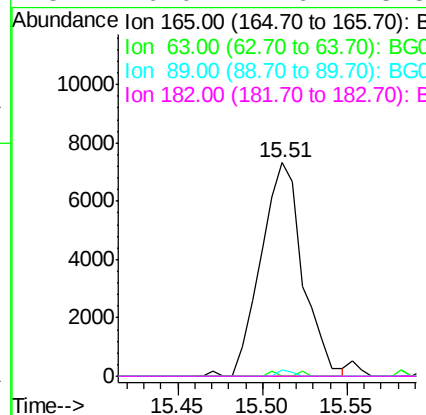
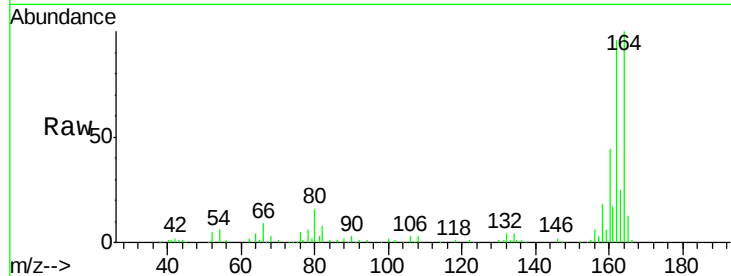




#56
 2,4-Dinitrotoluene
 Concen: 14.324 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. -0.34 min
 Lab File: BG033218.D
 Acq: 17 Mar 2018 5:00

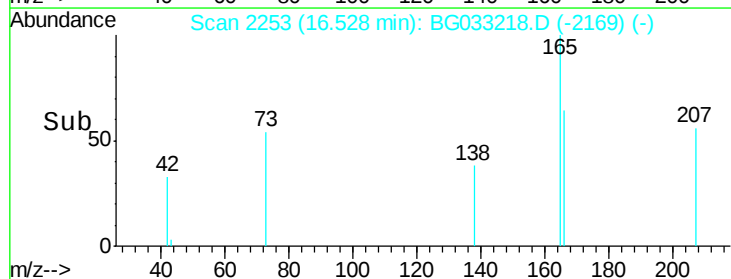
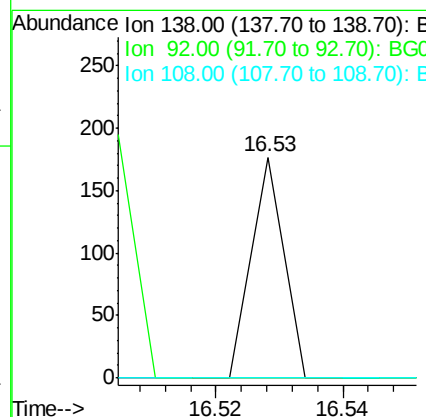
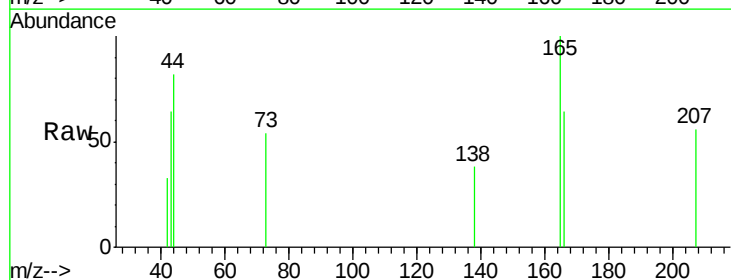
Instrument :
 BNA_G
 ClientSampleId :
 1488-SOIL

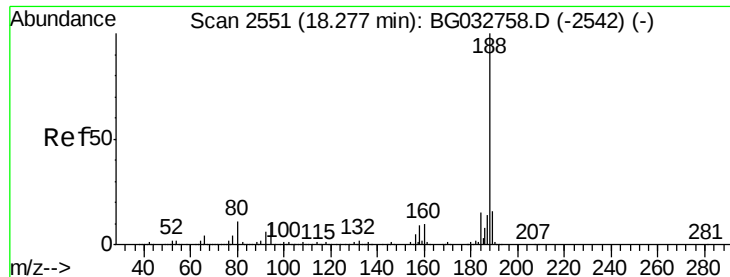
Tot Ion:165	Resp:	12563
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.0 63.0#
89	3.2	66.9 100.3#
182	0.0	2.6 3.8#



#61
 4-Nitroaniline
 Concen: 5.330 ng
 RT: 16.53 min Scan# 2253
 Delta R.T. -0.04 min
 Lab File: BG033218.D
 Acq: 17 Mar 2018 5:00

Tgt Ion:138	Resp:	62
Ion Ratio	Lower	Upper
138	100	
92	0.0	40.1 80.1#
108	0.0	65.4 105.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.24 min Scan# 2545

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

Instrument :

BNA_G

ClientSampleId :

1488-SOIL

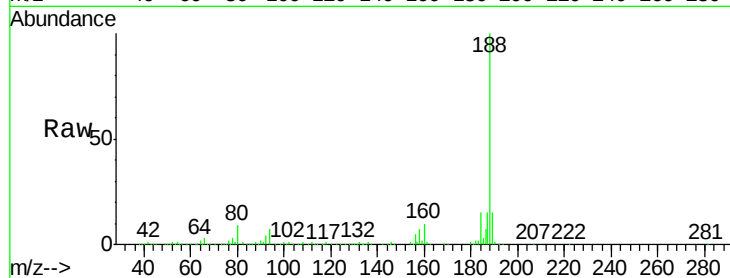
Tot Ion:188 Resp: 297821

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

80 8.5 7.7 11.5

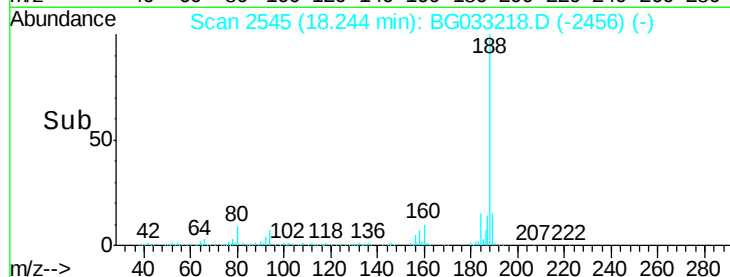


Abundance Ion 188.00 (187.70 to 188.70): E

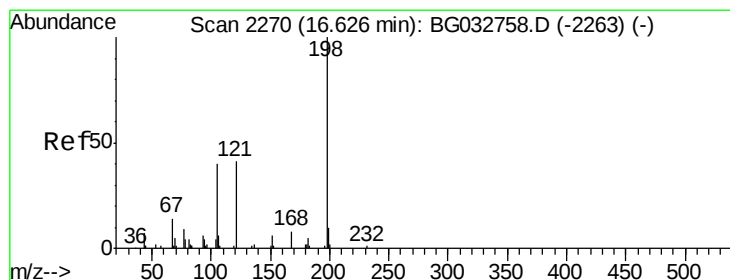
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

18.24



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 5.698 ng

RT: 16.98 min Scan# 2330

Delta R.T. 0.37 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

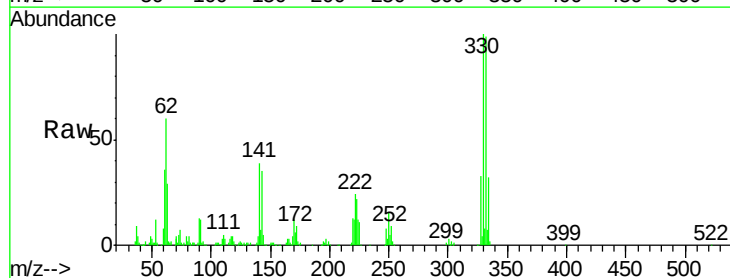
Tgt Ion:198 Resp: 525

Ion Ratio Lower Upper

198 100

51 137.8 30.6 70.6#

105 180.9 23.8 63.8#

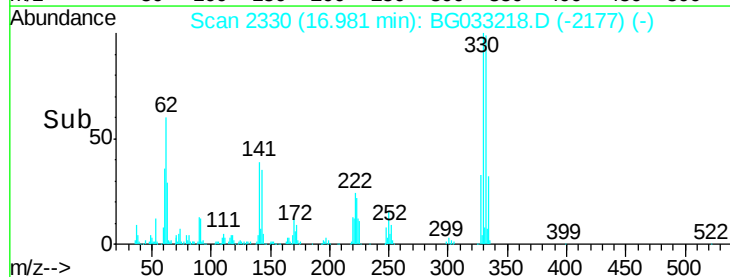


Abundance Ion 198.00 (197.70 to 198.70): E

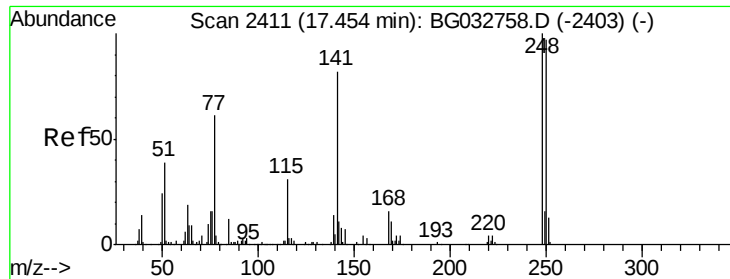
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

16.98



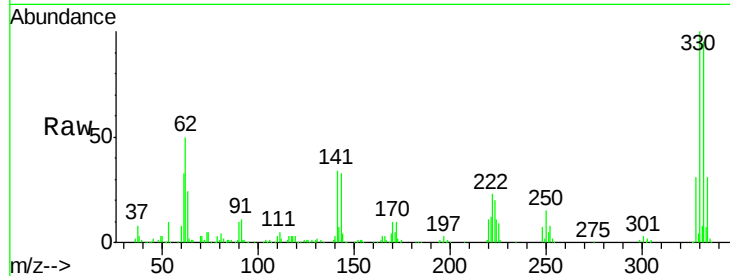
Time-->



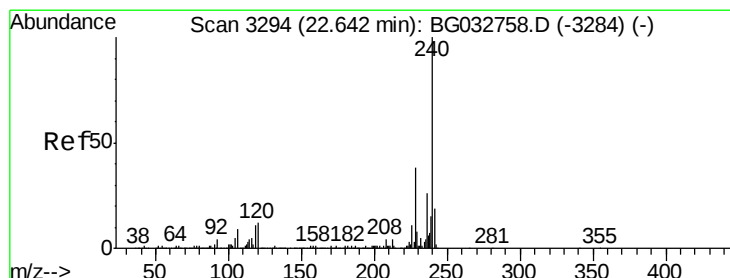
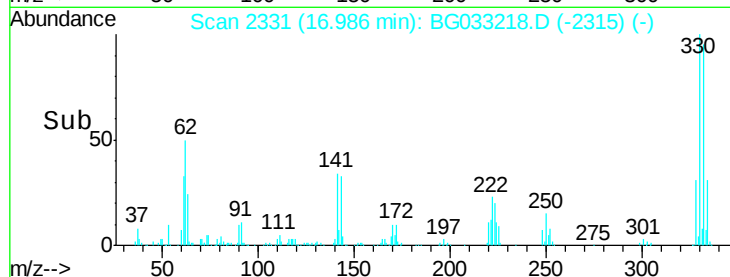
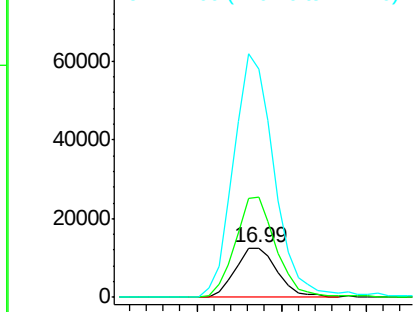
#66
4-Bromophenyl-phenylether
Concen: 6.868 ng
RT: 16.99 min Scan# 2331
Delta R.T. -0.43 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Instrument :
BNA_G
ClientSampled :
1488-SOIL

Tot Ion:248 Resp: 21628
Ion Ratio Lower Upper
248 100
250 202.4 77.1 115.7#
141 462.3 50.8 76.2#

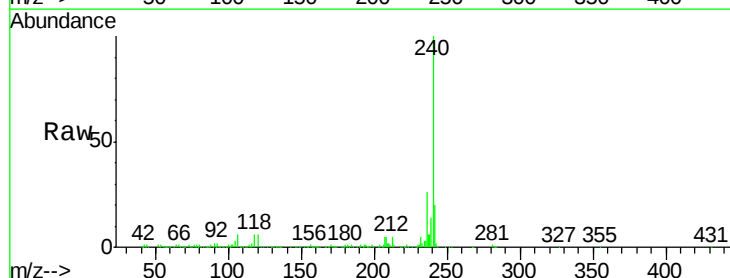


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

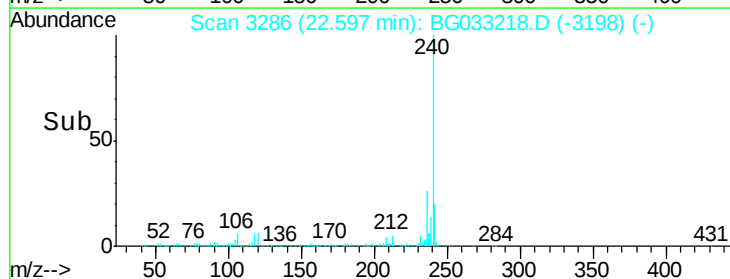
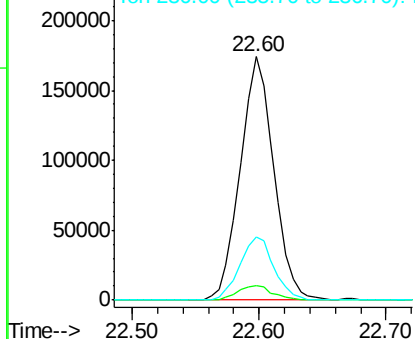


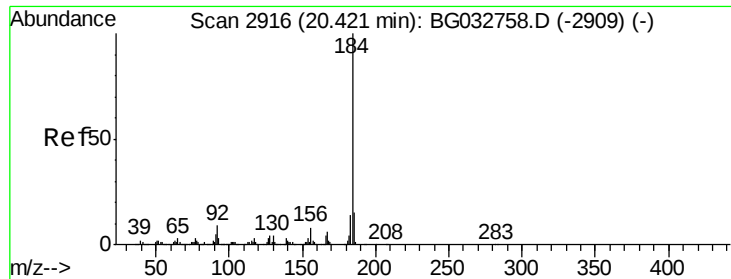
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3286
Delta R.T. -0.01 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Tgt Ion:240 Resp: 319591
Ion Ratio Lower Upper
240 100
120 6.0 6.8 10.2#
236 25.7 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.626 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

Instrument :

BNA_G

ClientSampleId :

1488-SOIL

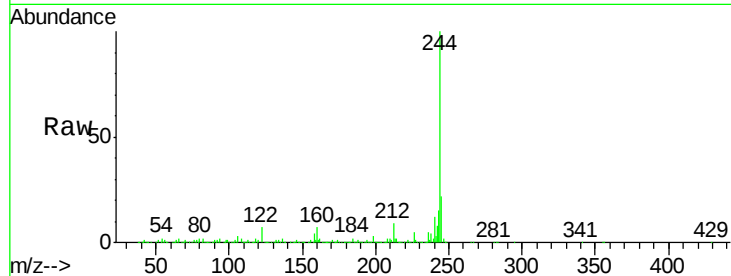
Tot Ion:184 Resp: 28605

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

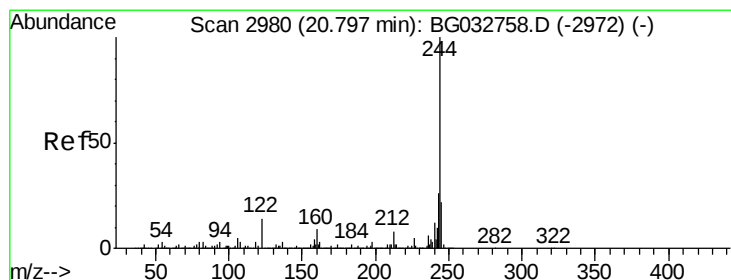
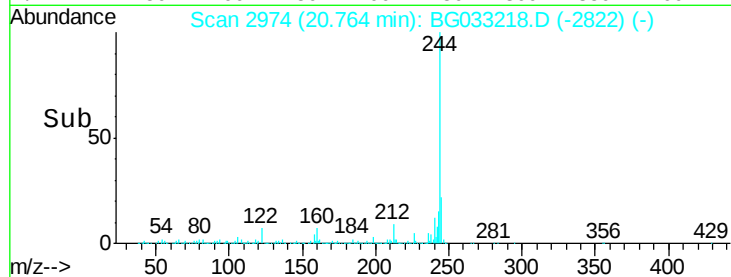
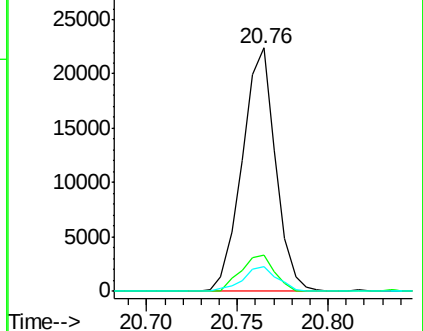
183 10.1 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 118.091 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.00 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

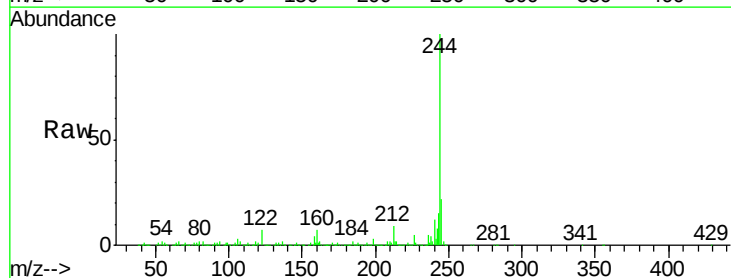
Tgt Ion:244 Resp: 1679808

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

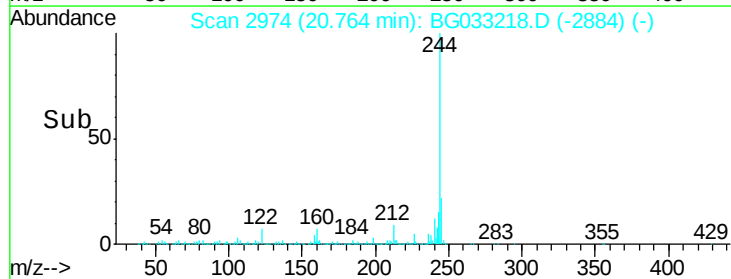
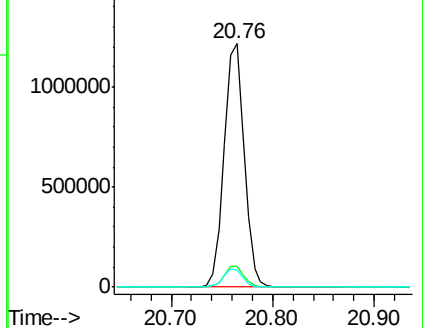
122 7.2 7.0 10.4

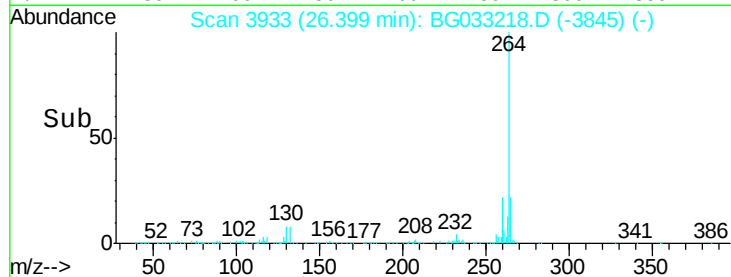
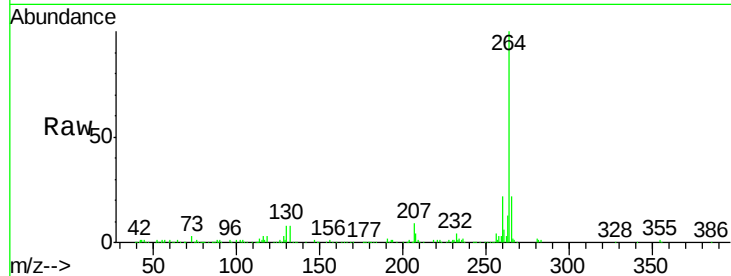
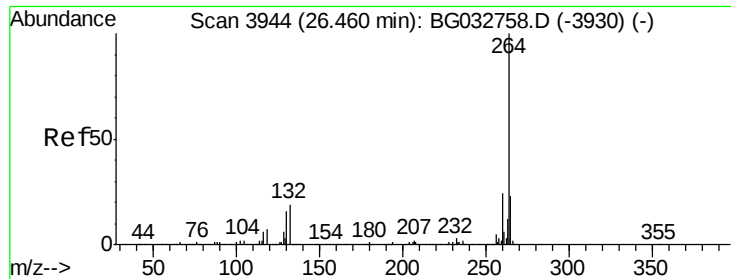


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3933

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

Instrument :

BNA_G

ClientSampleId :

1488-SOIL

Tot Ion:264 Resp: 340619

Ion Ratio Lower Upper

264 100

260 21.9 17.4 26.0

265 21.9 17.7 26.5

