

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033201.D
 Acq On : 16 Mar 2018 16:07
 Operator : SJ/JU
 Sample : J1926-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-RBR200029

Quant Time: Mar 17 05:19:43 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	35195	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	143330	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	108790	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	315135	20.00	ng	0.00
75) Chrysene-d12	22.61	240	341391	20.00	ng	0.00
86) Perylene-d12	26.41	264	362401	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	296281	134.68	ng	0.00
7) Phenol-d6	8.00	99	435005	141.86	ng	-0.01
23) Nitrobenzene-d5	10.10	82	332408	152.08	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	260111	227.39	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	731321	96.95	ng	0.00
78) Terphenyl-d14	20.77	244	1623209	106.83	ng	0.00

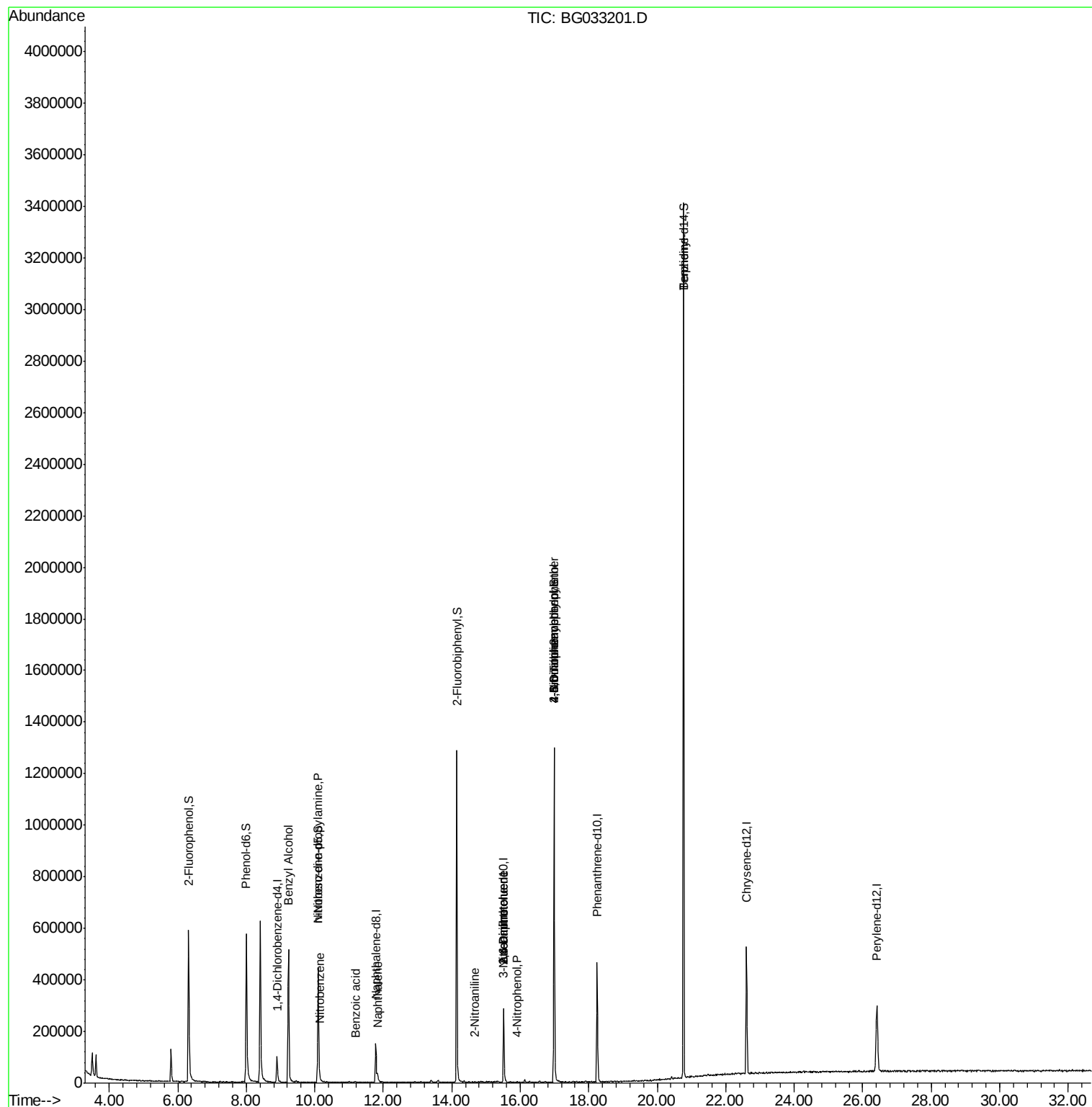
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	5750	2.551	ng	# 30
19) n-Nitroso-di-n-propylamine	10.10	70	46065	21.280	ng	# 77
24) Nitrobenzene	10.14	77	56	6.402	ng	# 42
31) Naphthalene	11.84	128	31350	4.186	ng	# 93
32) Benzoic acid	11.21	122	67	5.875	ng	# 1
47) 2-Nitroaniline	14.67	65	54	9.860	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	13158	15.909	ng	# 18
52) 3-Nitroaniline	15.50	138	54	7.567	ng	# 1
55) 4-Nitrophenol	15.91	139	419	7.333	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	13158	14.103	ng	# 16
61) 4-Nitroaniline	16.99	138	65	5.329	ng	# 1
64) 4,6-Dinitro-2-methylphenol	17.00	198	730	5.932	ng	# 29
66) 4-Bromophenyl-phenylether	16.99	248	20691	6.209	ng	# 1
76) Benzidine	20.77	184	26357	2.265	ng	# 93

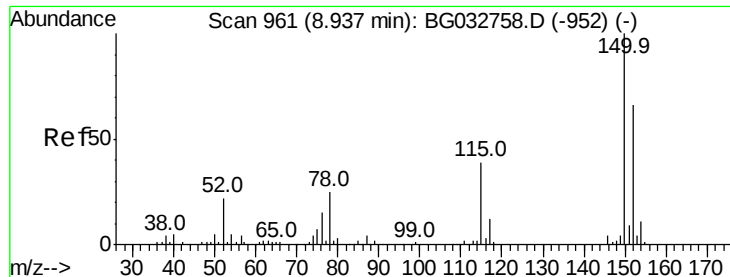
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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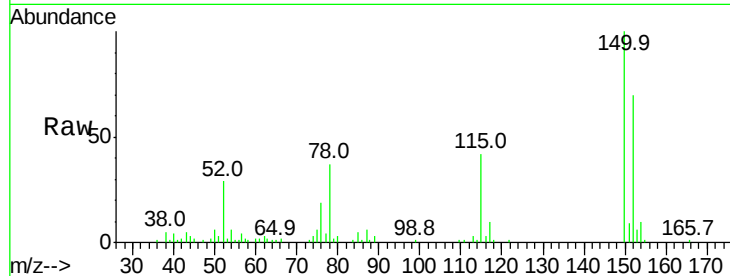


#1

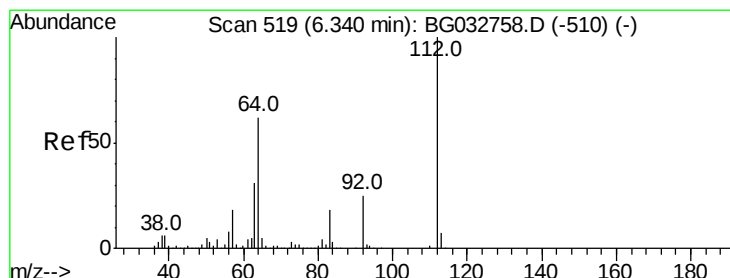
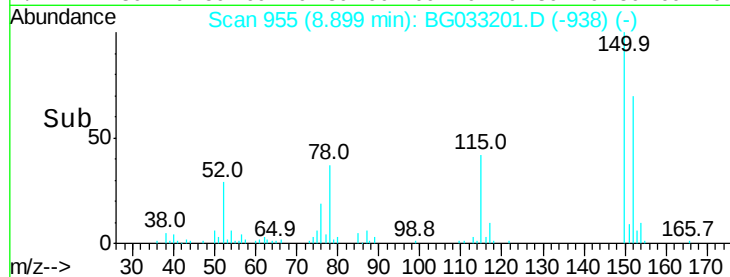
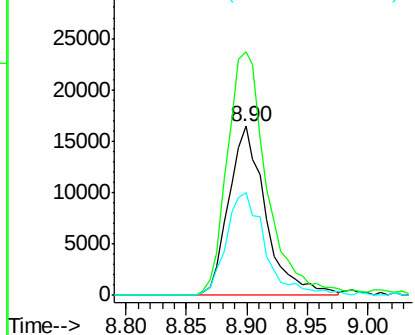
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033201.D
Acq: 16 Mar 2018 16:07

Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200029

Tot Ion:152 Resp: 35195
Ion Ratio Lower Upper
152 100
150 143.9 126.6 189.8
115 61.0 53.0 79.4



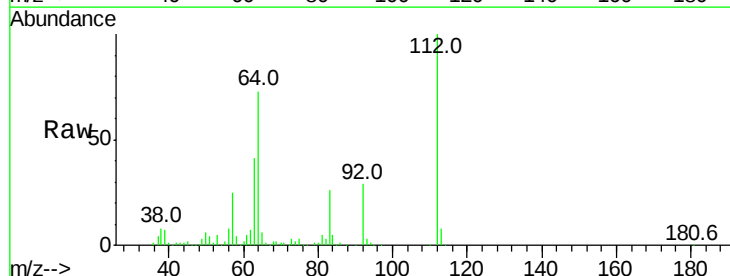
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



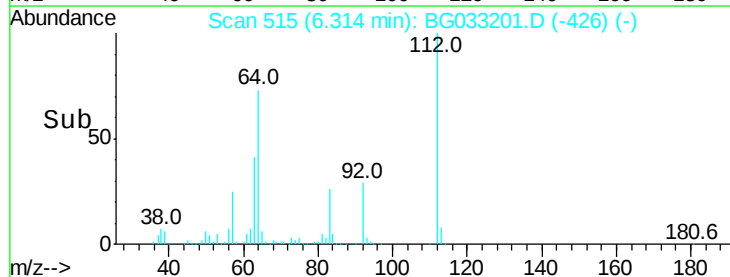
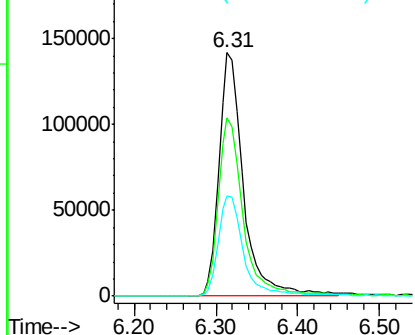
#5

2-Fluorophenol
Concen: 134.680 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033201.D
Acq: 16 Mar 2018 16:07

Tgt Ion:112 Resp: 296281
Ion Ratio Lower Upper
112 100
64 73.0 56.3 84.5
63 41.4 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: 141.865 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200029

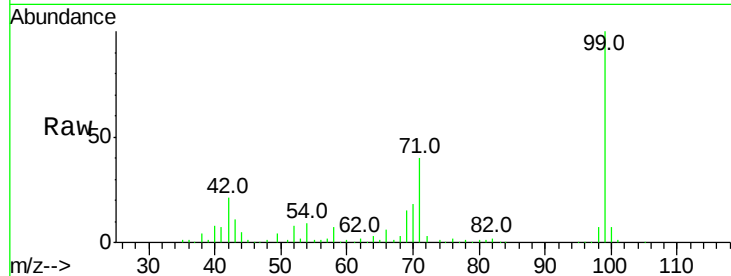
Tot Ion: 99 Resp: 435005

Ion Ratio Lower Upper

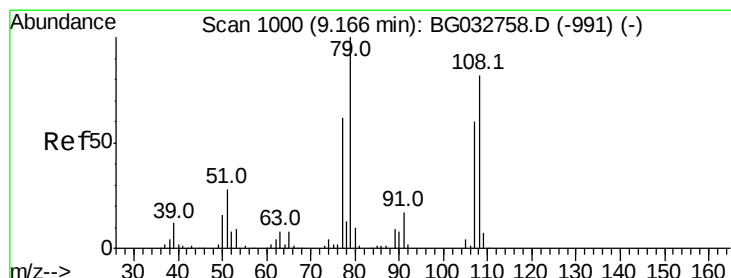
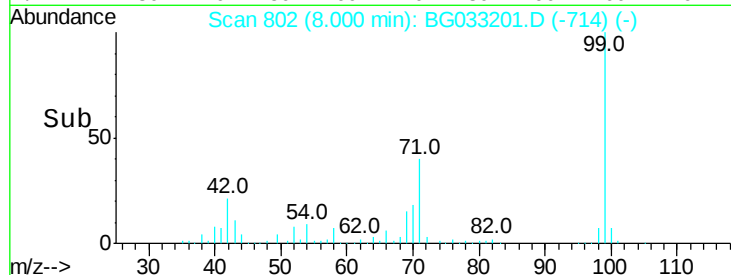
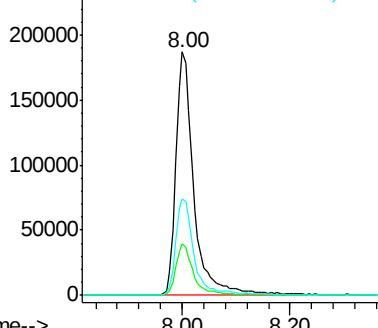
99 100

42 21.2 14.1 21.1#

71 39.8 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: 2.551 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

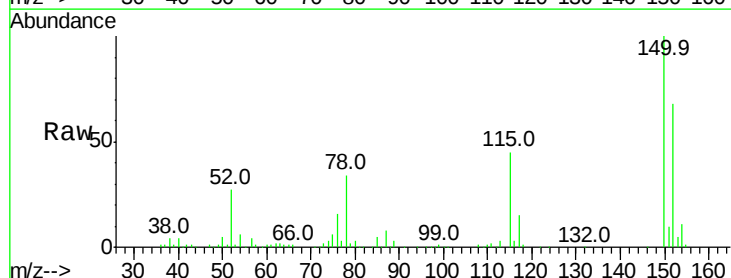
Tgt Ion: 79 Resp: 5750

Ion Ratio Lower Upper

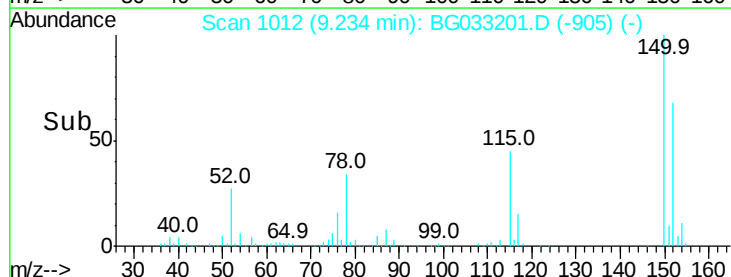
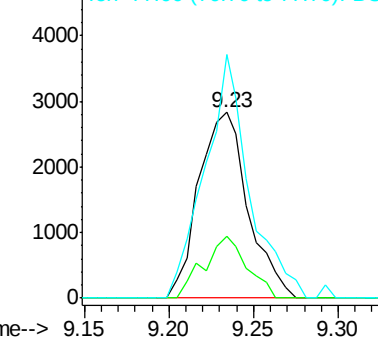
79 100

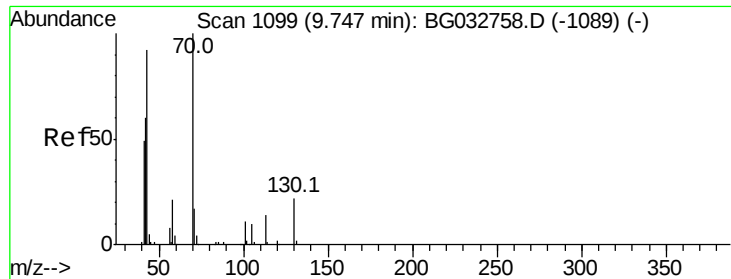
108 33.3 57.2 85.8#

77 131.2 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

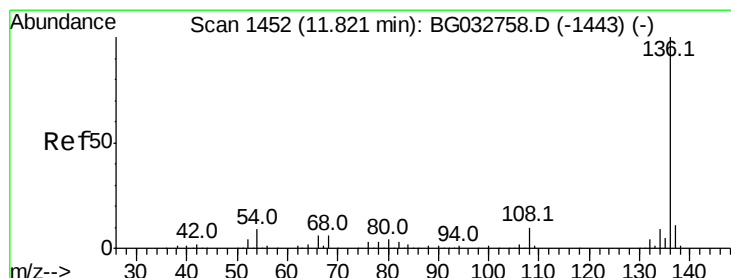
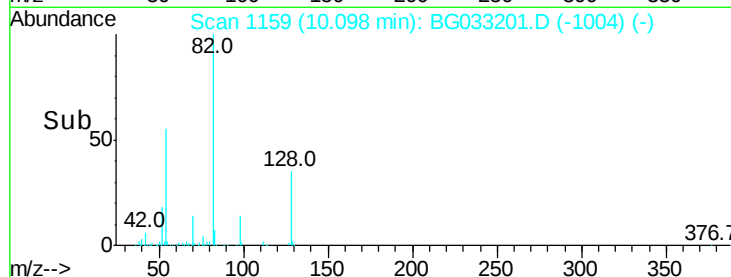
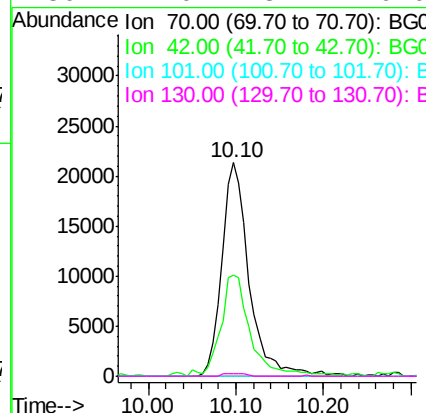
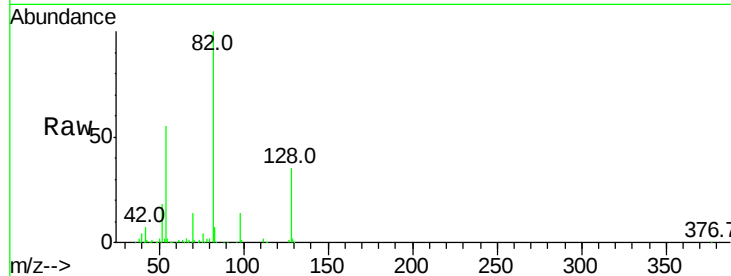




#19
n-Nitroso-di-n-propylamine
Concen: 21.280 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033201.D
Acq: 16 Mar 2018 16:07

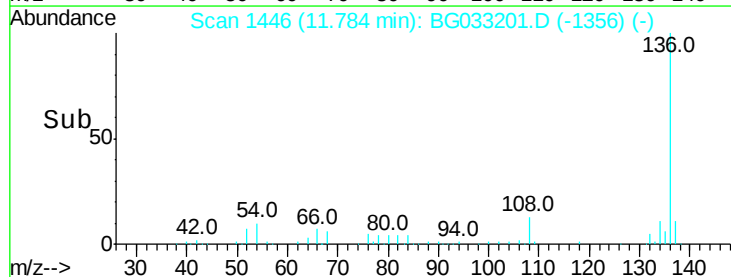
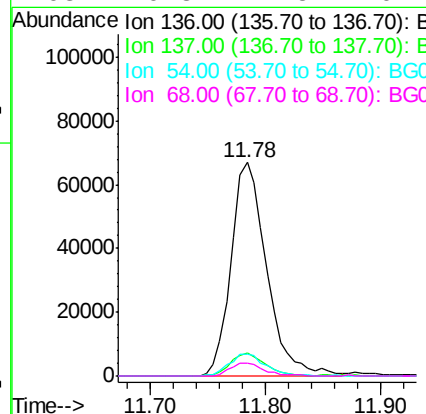
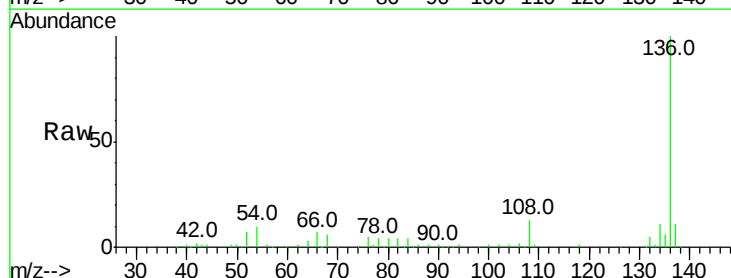
Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200029

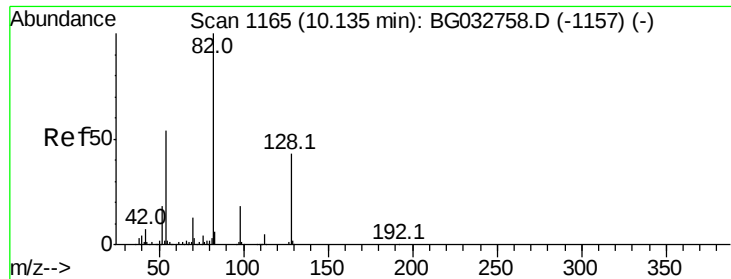
Tot Ion: 70 Resp: 46065
Ion Ratio Lower Upper
70 100
42 47.3 49.1 73.7#
101 0.0 8.5 12.7#
130 1.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033201.D
Acq: 16 Mar 2018 16:07

Tgt Ion: 136 Resp: 143330
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 10.1 10.3 15.5#
68 6.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 152.084 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200029

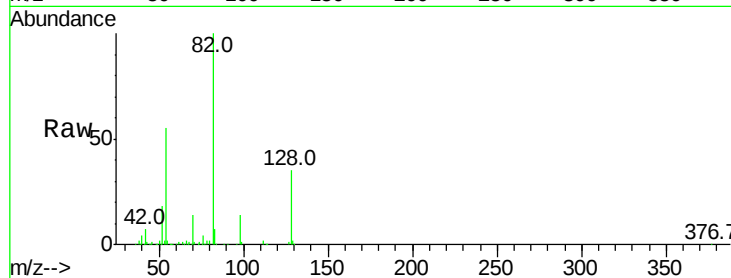
Tot Ion: 82 Resp: 332408

Ion Ratio Lower Upper

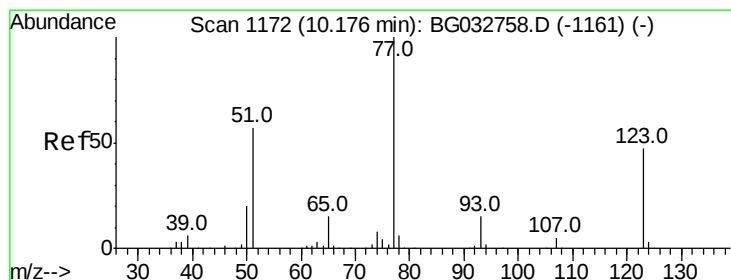
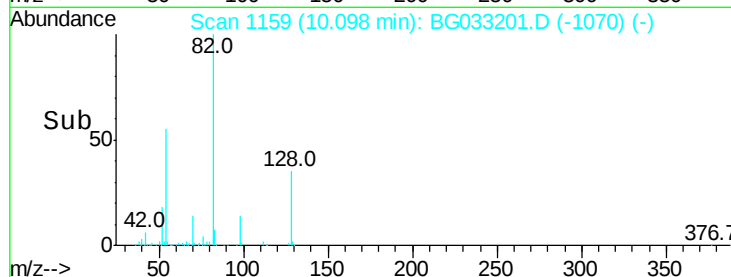
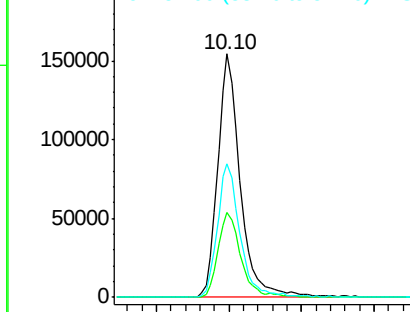
82 100

128 34.6 29.7 44.5

54 54.8 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 6.402 ng

RT: 10.14 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

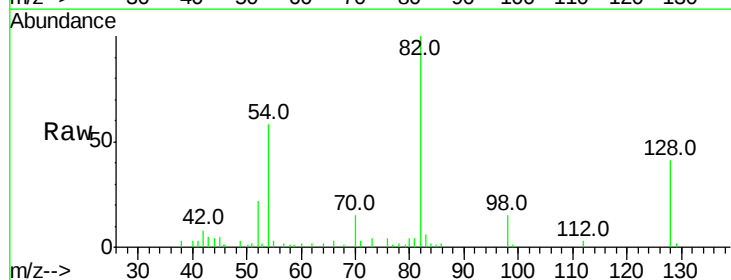
Tgt Ion: 77 Resp: 56

Ion Ratio Lower Upper

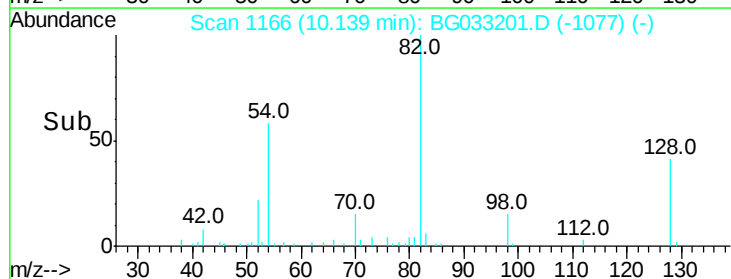
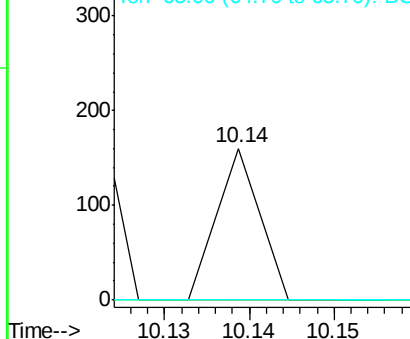
77 100

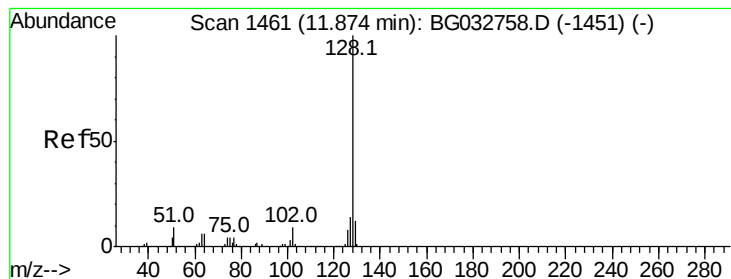
123 0.0 33.0 49.6#

65 0.0 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#31

Naphthalene

Concen: 4.186 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200029

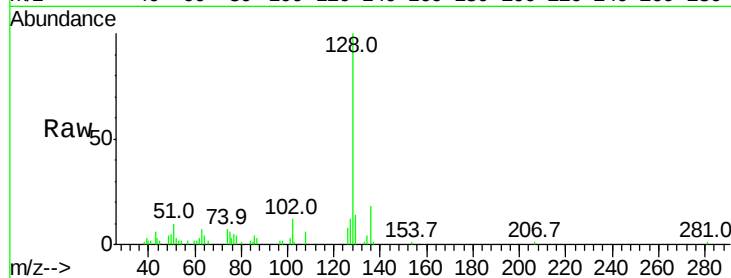
Tot Ion:128 Resp: 31350

Ion Ratio Lower Upper

128 100

129 13.7 8.6 12.8#

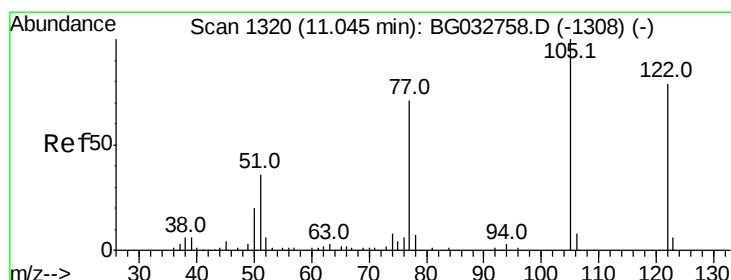
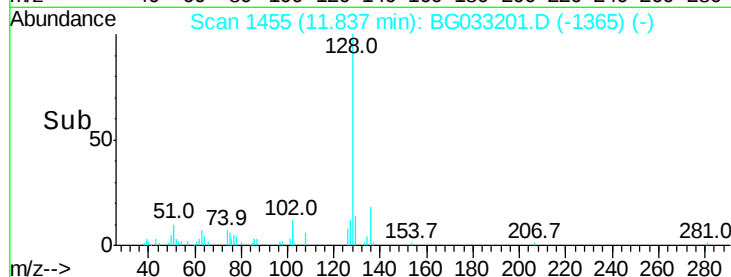
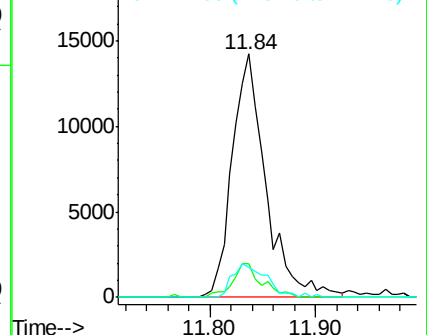
127 12.1 11.6 17.4



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: 5.875 ng

RT: 11.21 min Scan# 1349

Delta R.T. 0.24 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

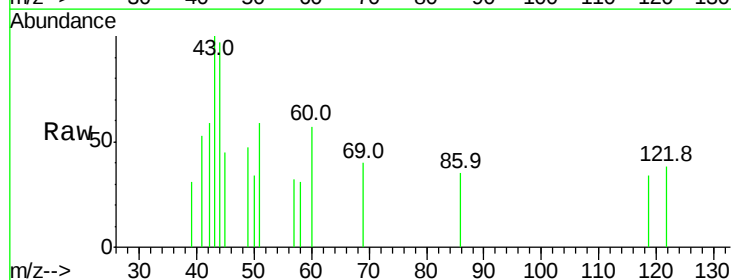
Tgt Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

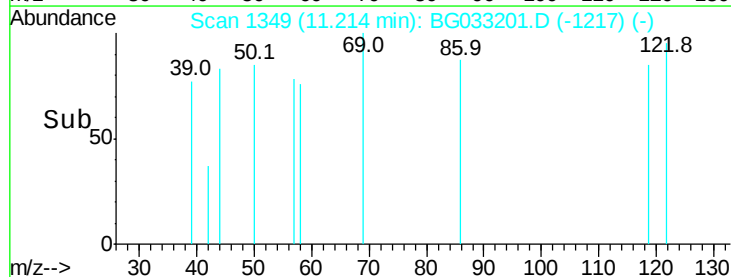
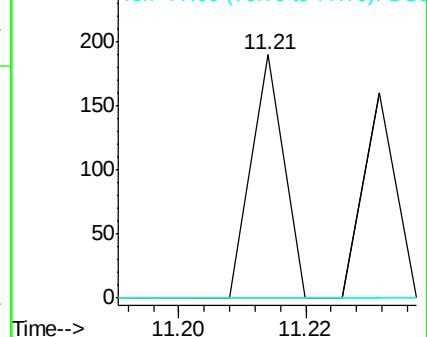
77 0.0 85.7 125.7#

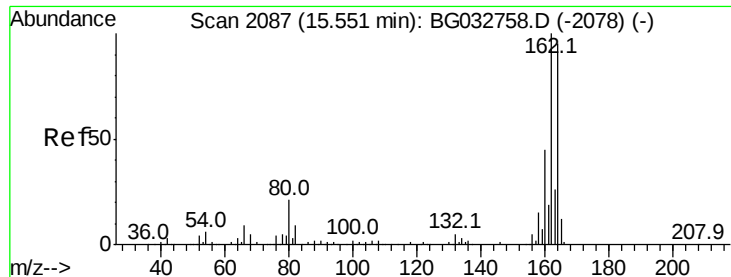


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

Instrument :

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ClientSampleId :

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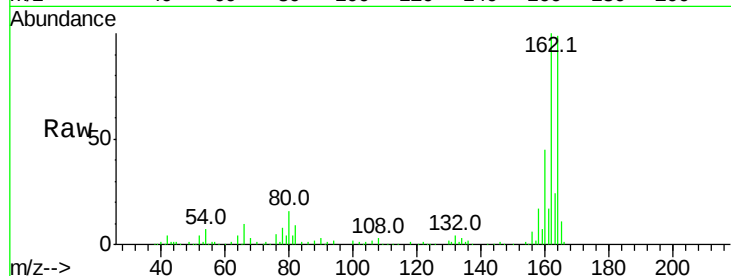
Tot Ion:164 Resp: 108790

Ion Ratio Lower Upper

164 100

162 101.0 78.8 118.2

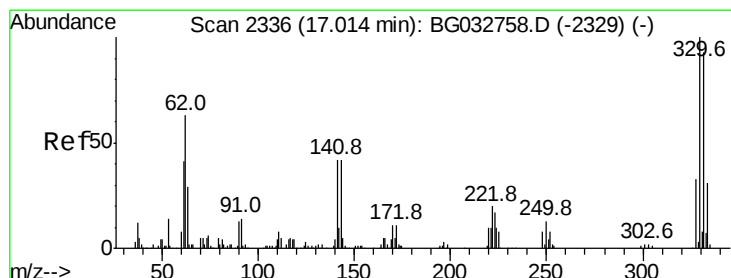
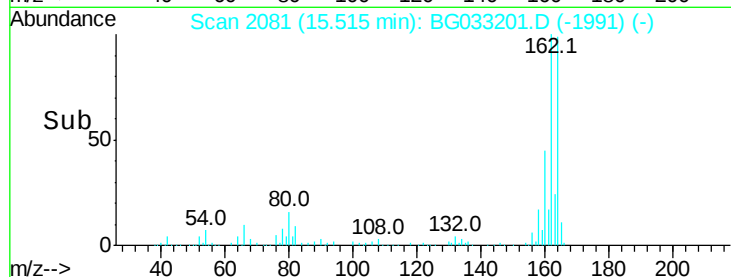
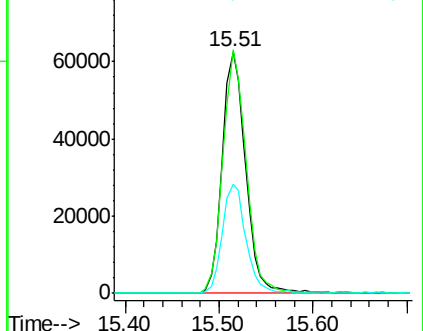
160 45.2 35.4 53.0



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: 227.392 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

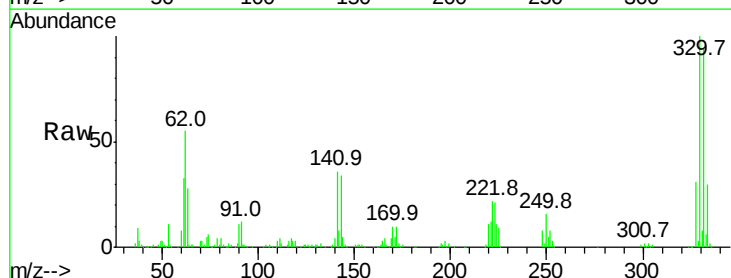
Tgt Ion:330 Resp: 260111

Ion Ratio Lower Upper

330 100

332 93.5 77.0 115.6

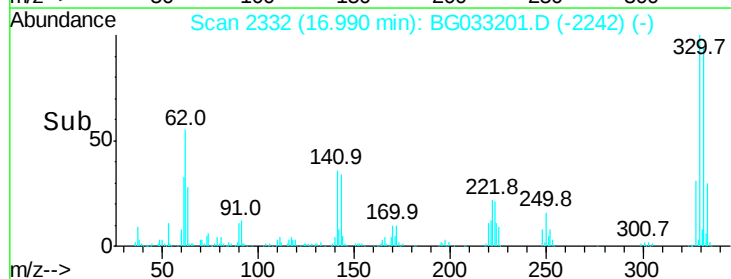
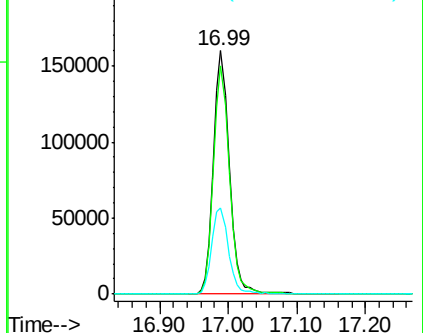
141 37.5 25.2 37.8

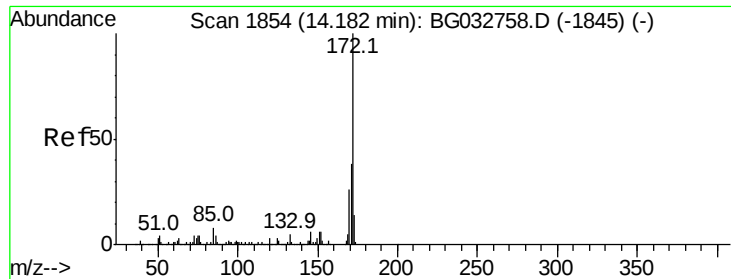


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

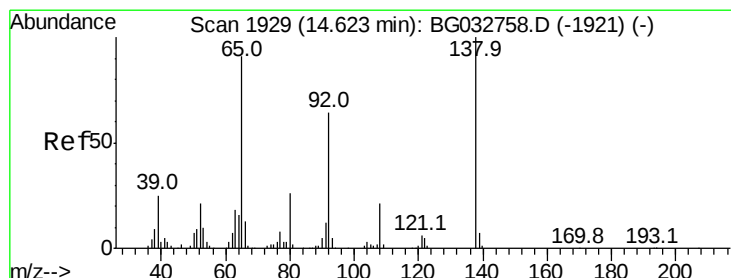
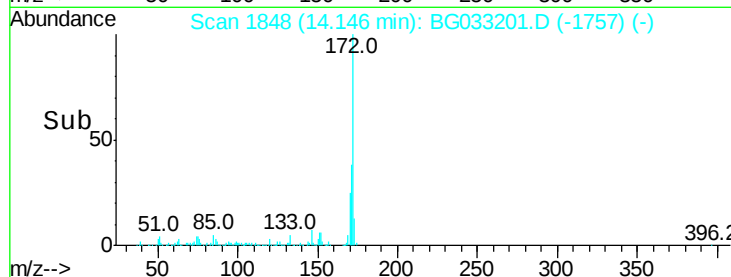
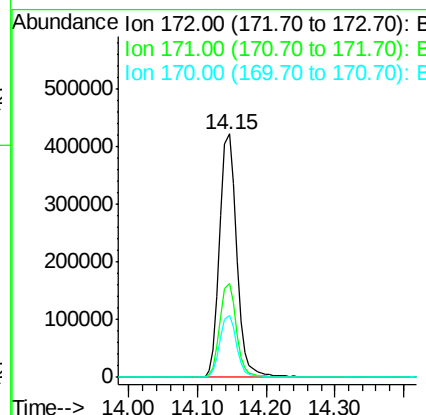
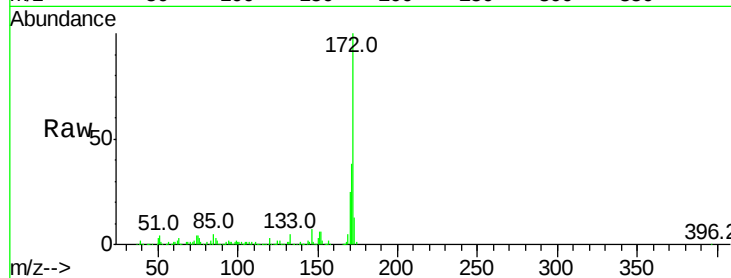




#44
2-Fluorobiphenyl
Concen: 96.953 ng
RT: 14.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BG033201.D
Acq: 16 Mar 2018 16:07

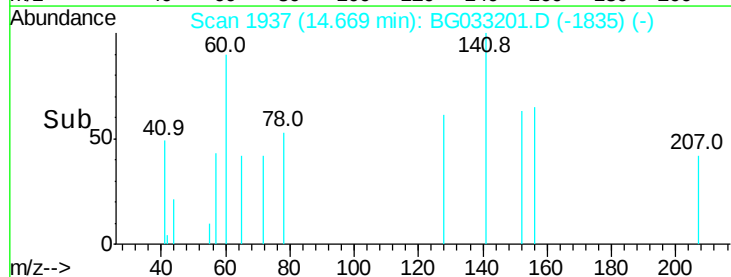
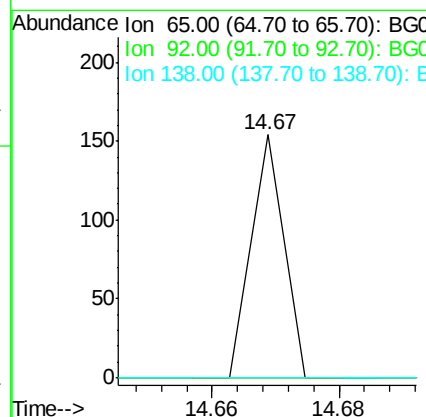
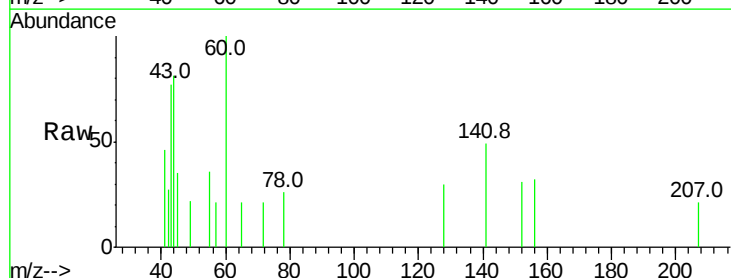
Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200029

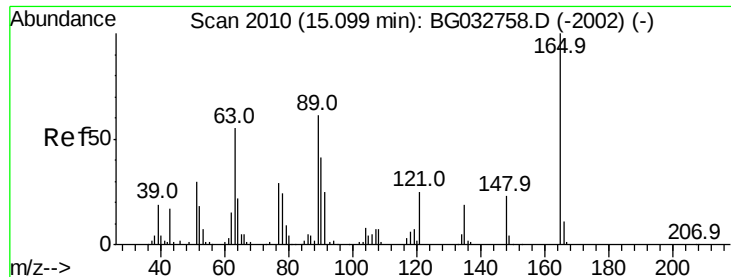
Tot Ion:172 Resp: 731321
Ion Ratio Lower Upper
172 100
171 38.3 30.0 45.0
170 25.3 19.5 29.3



#47
2-Nitroaniline
Concen: 9.860 ng
RT: 14.67 min Scan# 1937
Delta R.T. 0.07 min
Lab File: BG033201.D
Acq: 16 Mar 2018 16:07

Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#

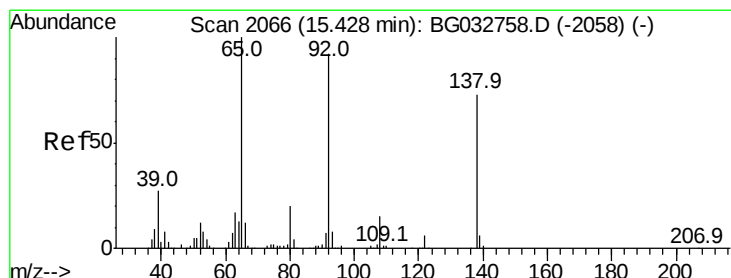
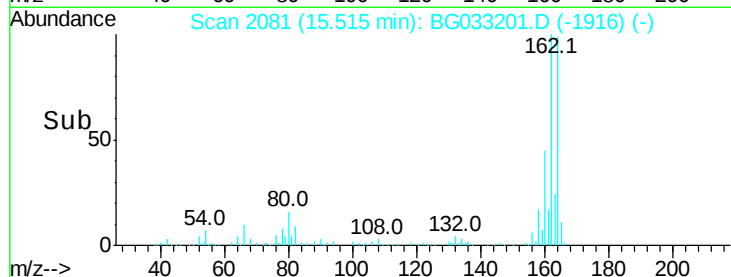
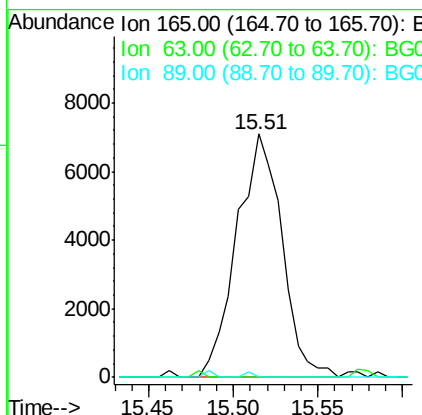
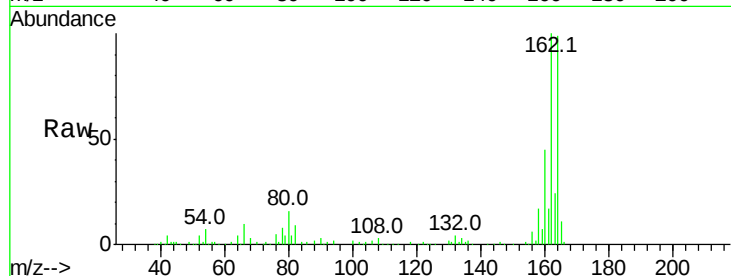




#50
2,6-Dinitrotoluene
Concen: 15.909 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033201.D
Acq: 16 Mar 2018 16:07

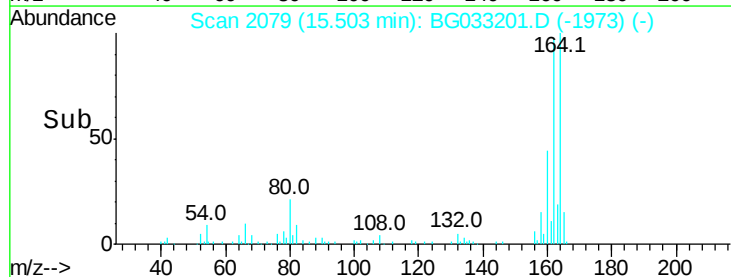
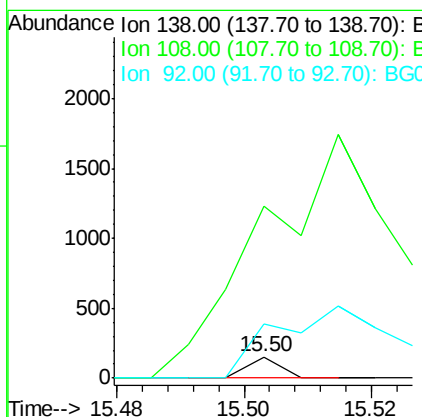
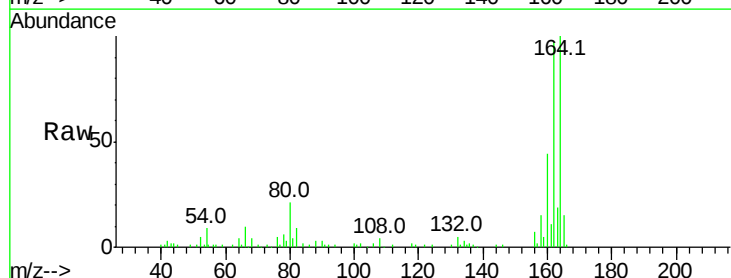
Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200029

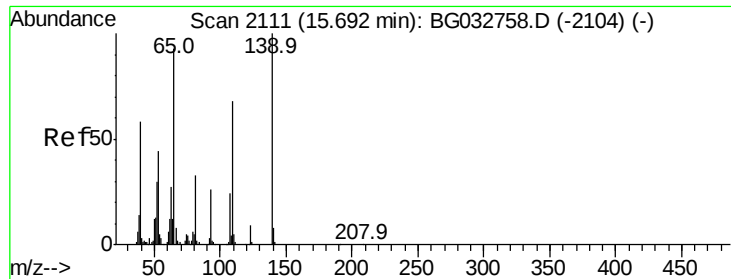
Tot Ion:165 Resp: 13158
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#52
3-Nitroaniline
Concen: 7.567 ng
RT: 15.50 min Scan# 2079
Delta R.T. 0.09 min
Lab File: BG033201.D
Acq: 16 Mar 2018 16:07

Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
108 805.2 17.5 26.3#
92 252.9 105.8 158.8#





#55

4-Nitrophenol

Concen: 7.333 ng

RT: 15.91 min Scan# 2149

Delta R.T. 0.22 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200029

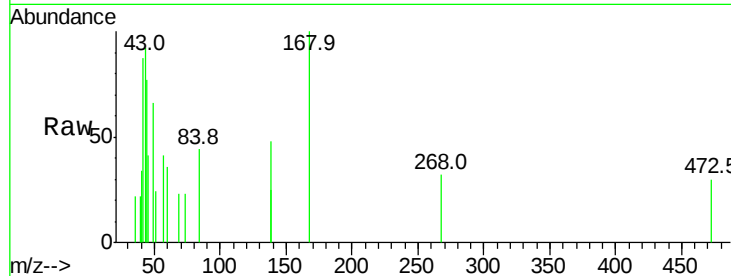
Tot Ion:139 Resp: 419

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

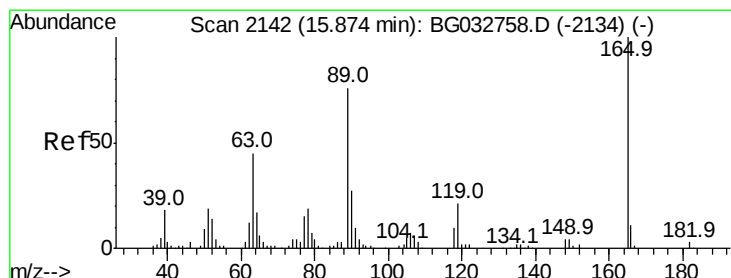
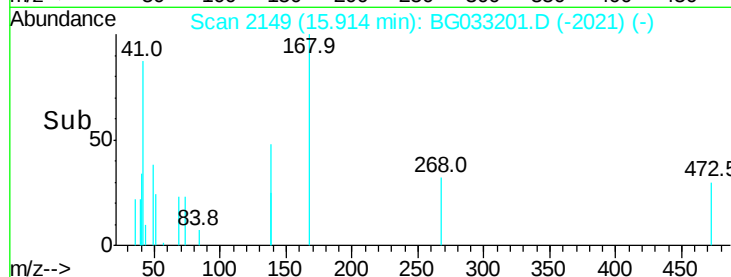
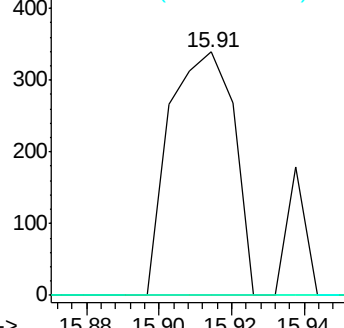
65 0.0 97.2 137.2#



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: 14.103 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.34 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

Tgt Ion:165 Resp: 13158

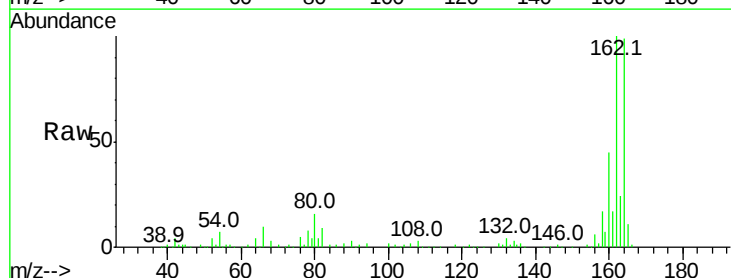
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

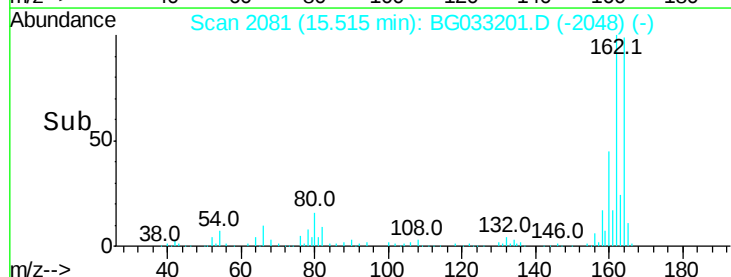
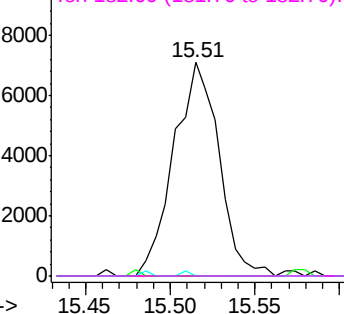


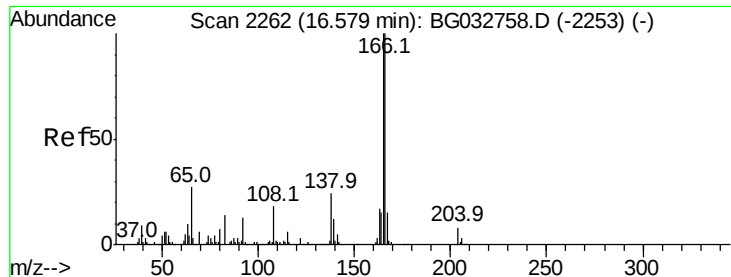
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#61

4-Nitroaniline

Concen: 5.329 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.43 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200029

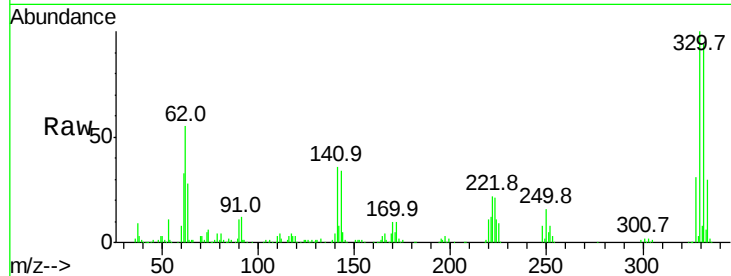
Tot Ion:138 Resp: 65

Ion Ratio Lower Upper

138 100

92 953.5 40.1 80.1#

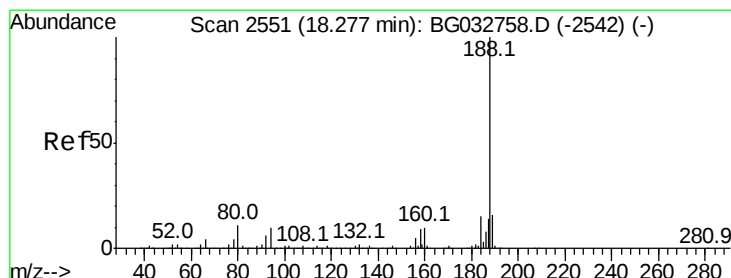
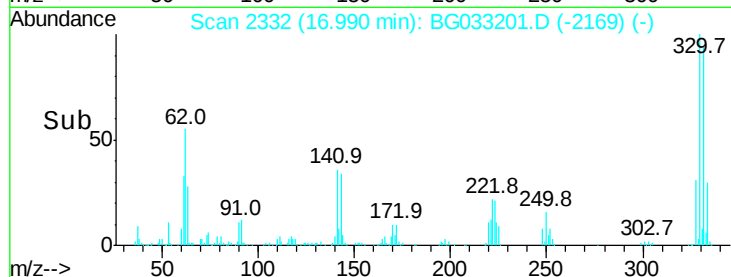
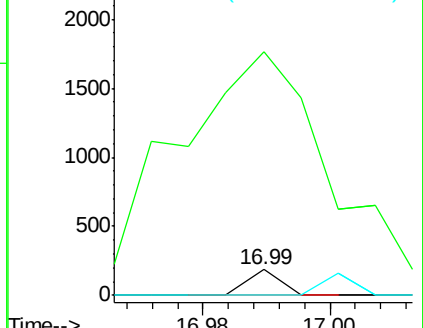
108 0.0 65.4 105.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG033201.D (-2169) (-)

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.25 min Scan# 2546

Delta R.T. -0.00 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

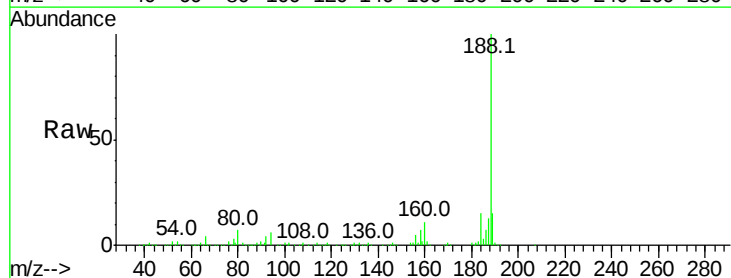
Tgt Ion:188 Resp: 315135

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

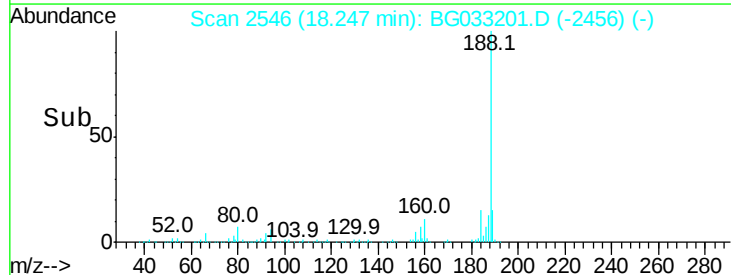
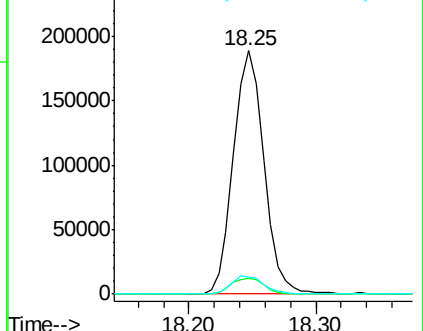
80 6.9 7.7 11.5#

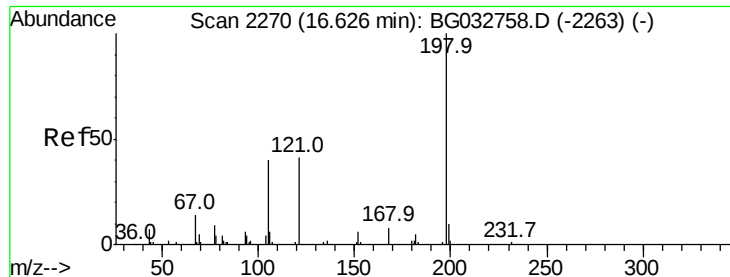


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG033201.D (-2456) (-)

Ion 80.00 (79.70 to 80.70): BG033201.D (-2456) (-)

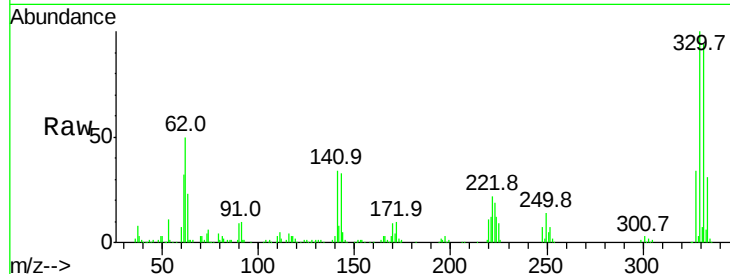




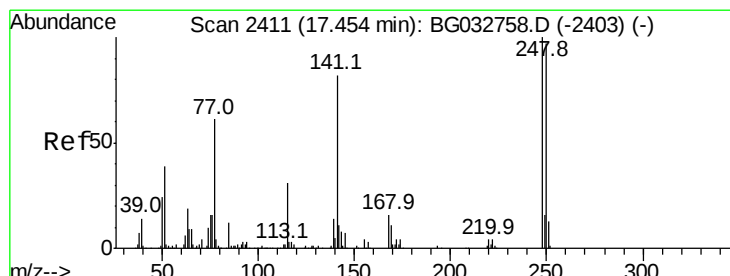
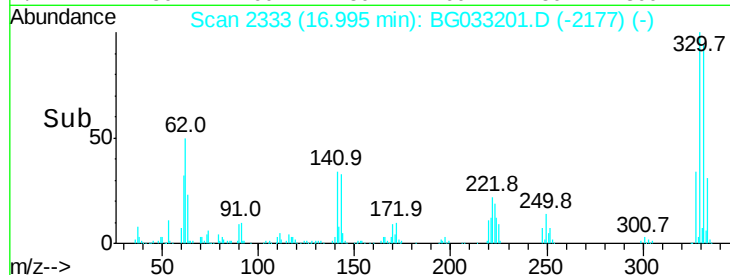
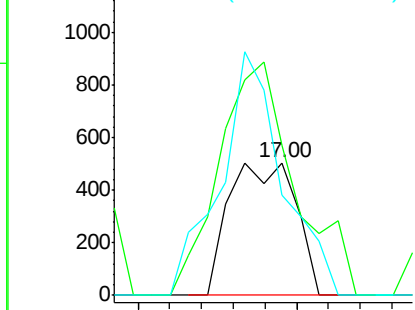
#64
4,6-Dinitro-2-methylphenol
Concen: 5.932 ng
RT: 17.00 min Scan# 2333
Delta R.T. 0.38 min
Lab File: BG033201.D
Acq: 16 Mar 2018 16:07

Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200029

Tot Ion:198 Resp: 730
Ion Ratio Lower Upper
198 100
51 113.3 30.6 70.6#
105 75.7 23.8 63.8#

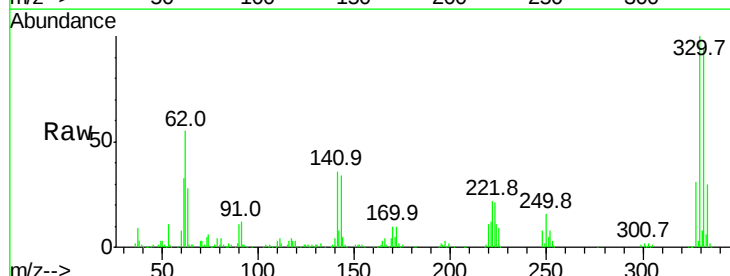


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

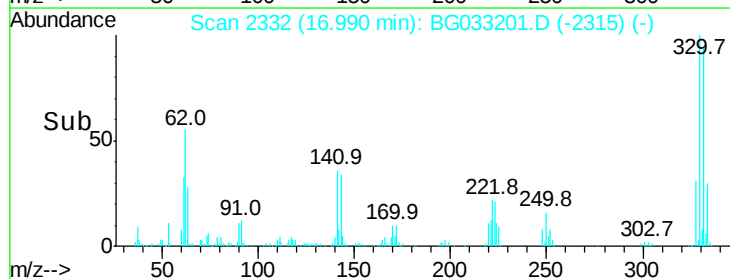
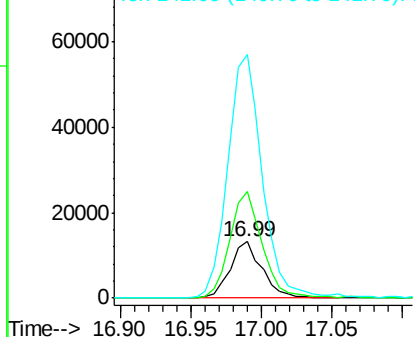


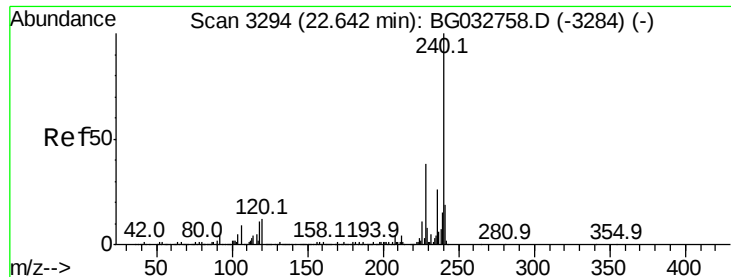
#66
4-Bromophenyl-phenylether
Concen: 6.209 ng
RT: 16.99 min Scan# 2332
Delta R.T. -0.43 min
Lab File: BG033201.D
Acq: 16 Mar 2018 16:07

Tgt Ion:248 Resp: 20691
Ion Ratio Lower Upper
248 100
250 188.4 77.1 115.7#
141 431.4 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: 22.61 min Scan# 3288

Delta R.T. -0.00 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200029

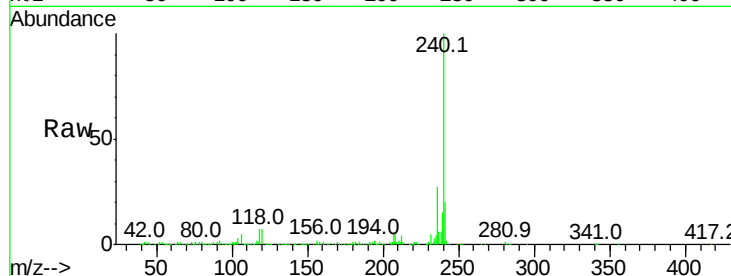
Tot Ion:240 Resp: 341391

Ion Ratio Lower Upper

240 100

120 7.0 6.8 10.2

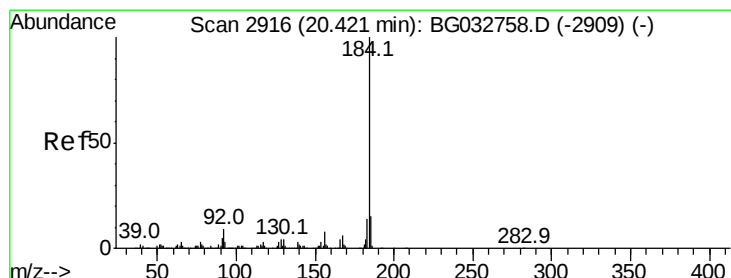
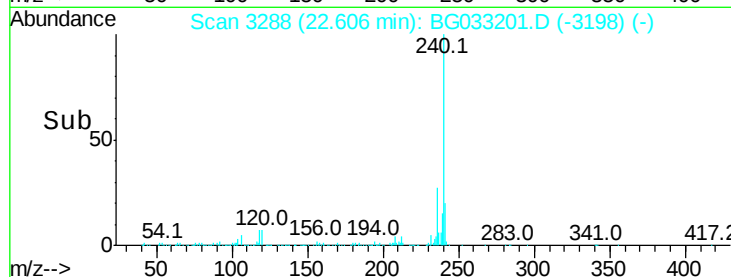
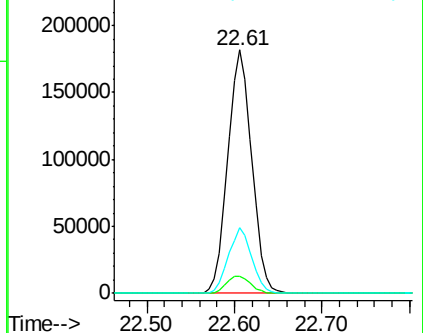
236 26.9 20.9 31.3



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: 2.265 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.37 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

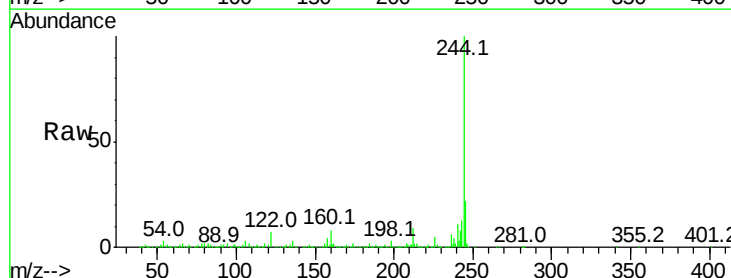
Tgt Ion:184 Resp: 26357

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

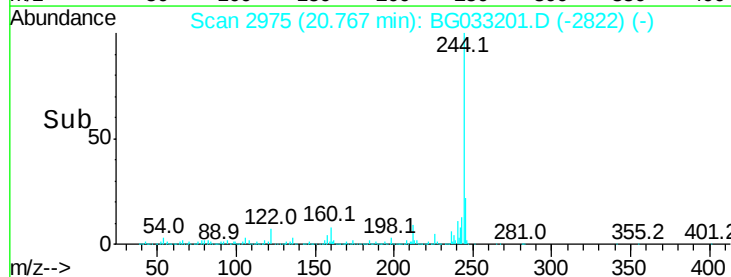
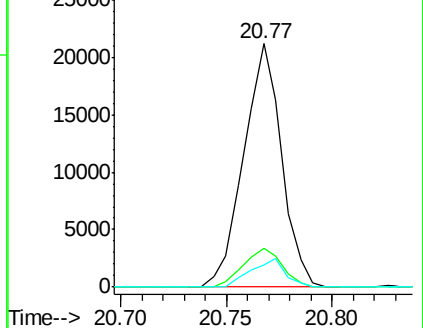
183 9.3 10.6 16.0#

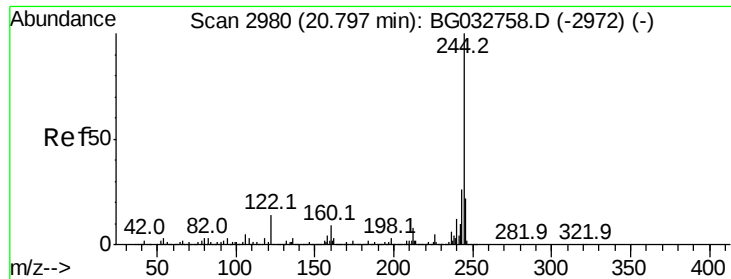


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 106.825 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

Instrument :

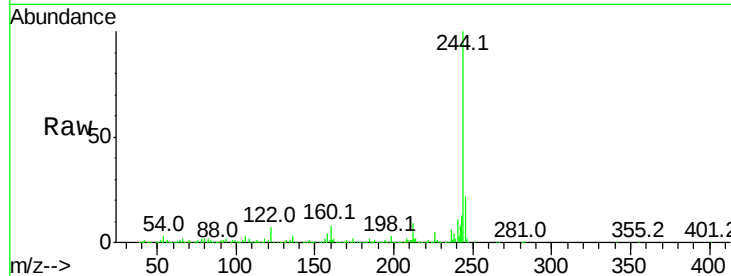
BNA_G

ClientSampleId :

SOIL-RBR200029

Tot Ion:244 Resp: 1623209

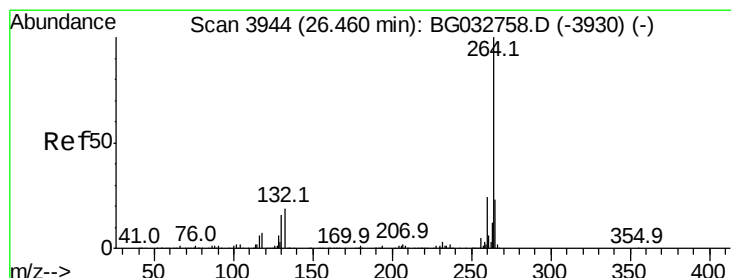
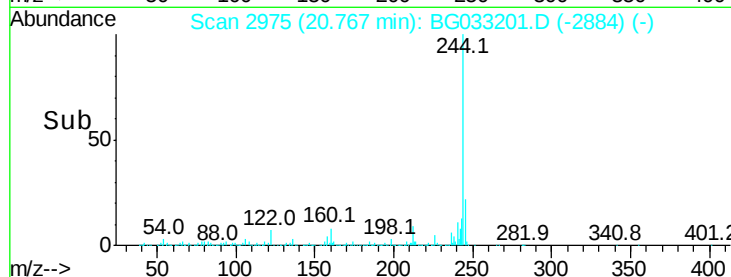
Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.8	8.8
122	7.5	7.0	10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3936

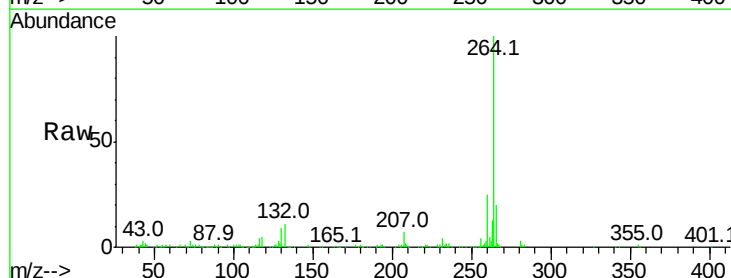
Delta R.T. 0.00 min

Lab File: BG033201.D

Acq: 16 Mar 2018 16:07

Tgt Ion:264 Resp: 362401

Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.0
265	20.0	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

