

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033200.D
 Acq On : 16 Mar 2018 15:29
 Operator : SJ/JU
 Sample : J1926-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-RBR200032

Quant Time: Mar 17 05:19:26 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

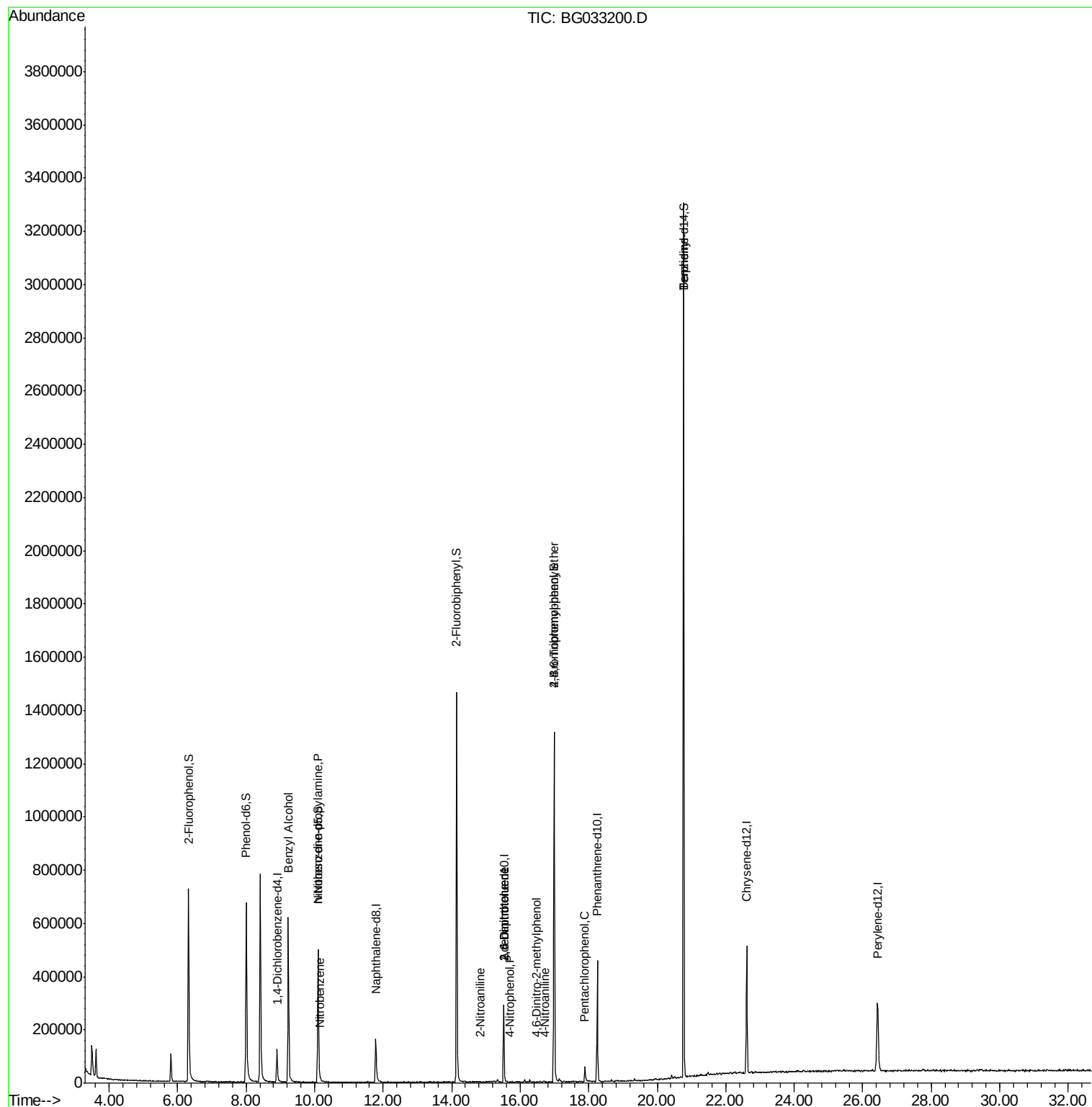
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	41371	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	158998	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	110695	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	308552	20.00	ng	0.00
75) Chrysene-d12	22.61	240	325433	20.00	ng	0.00
86) Perylene-d12	26.44	264	345149	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	357385	138.20	ng	0.00
7) Phenol-d6	8.00	99	477299	132.42	ng	0.00
23) Nitrobenzene-d5	10.10	82	369772	152.48	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	265619	228.21	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	813199	105.95	ng	0.00
78) Terphenyl-d14	20.77	244	1572170	108.54	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.23	79	6237	2.354	ng	# 48
19) n-Nitroso-di-n-propylamine	10.10	70	51279	20.152	ng	# 77
24) Nitrobenzene	10.15	77	76	6.406	ng	# 42
47) 2-Nitroaniline	14.83	65	54	9.859	ng	# 9
50) 2,6-Dinitrotoluene	15.52	165	12974	15.692	ng	# 21
55) 4-Nitrophenol	15.70	139	72	7.123	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	12974	13.883	ng	# 19
61) 4-Nitroaniline	16.73	138	78	5.334	ng	# 58
64) 4,6-Dinitro-2-methylphenol	16.47	198	59	5.029	ng	# 29
66) 4-Bromophenyl-phenylether	16.99	248	20131	6.170	ng	# 1
69) Pentachlorophenol	17.89	266	14033	6.319	ng	90
76) Benzidine	20.77	184	26313	2.372	ng	96

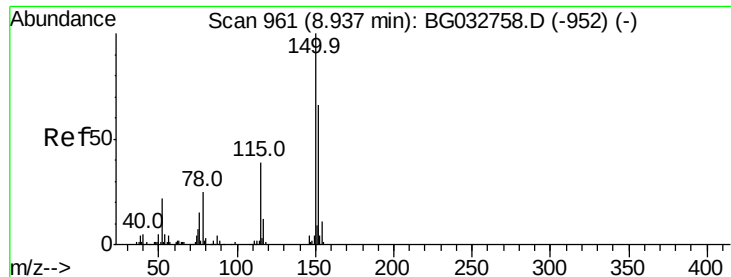
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
Data File : BG033200.D
Acq On : 16 Mar 2018 15:29
Operator : SJ/JU
Sample : J1926-01RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200032

Quant Time: Mar 17 05:19:26 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



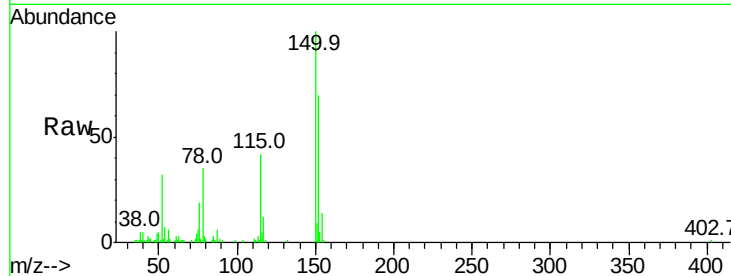


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200032

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.7	126.6	189.8
115	59.4	53.0	79.4

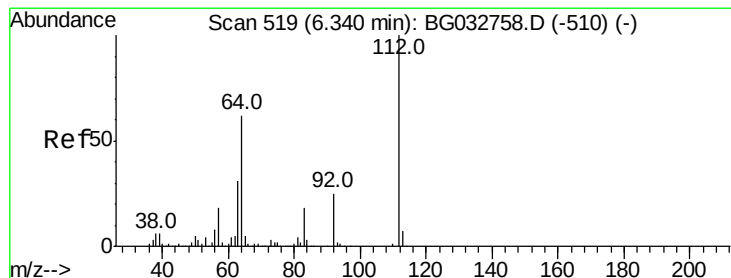
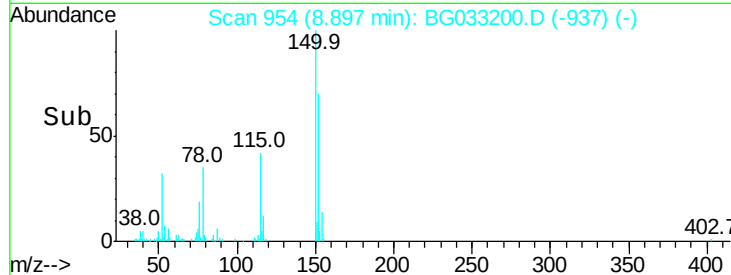
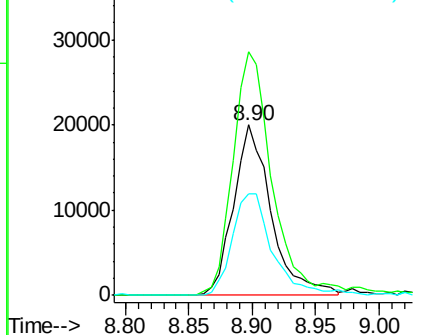


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

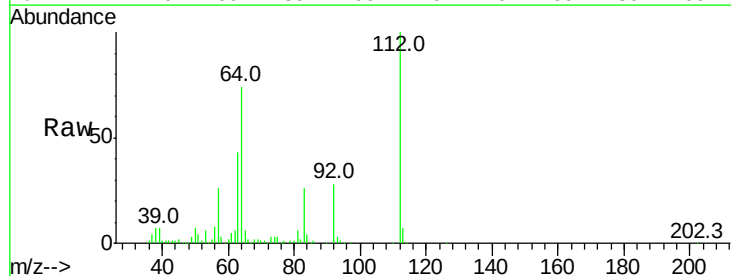
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 138.204 ng
RT: 6.32 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.7	56.3	84.5
63	43.4	30.1	45.1

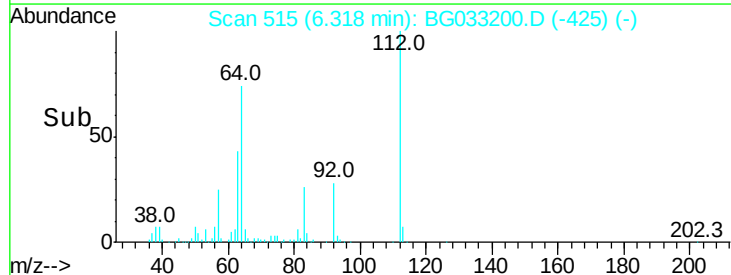
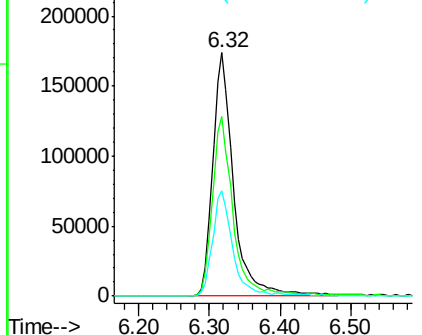


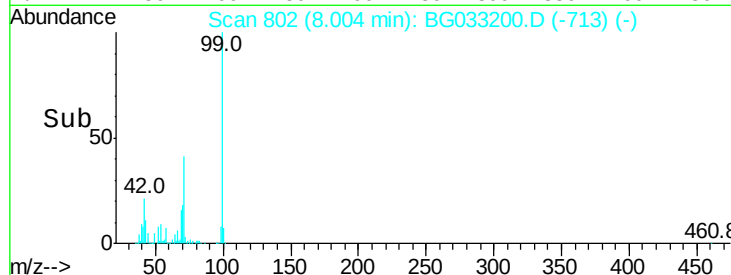
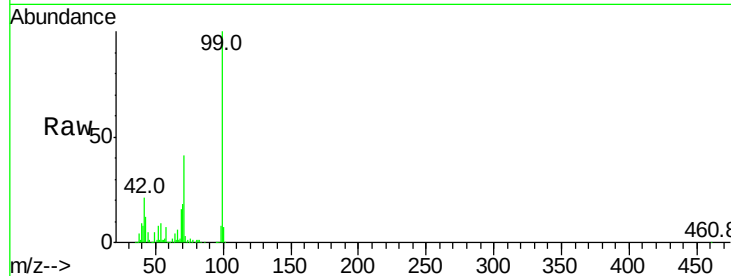
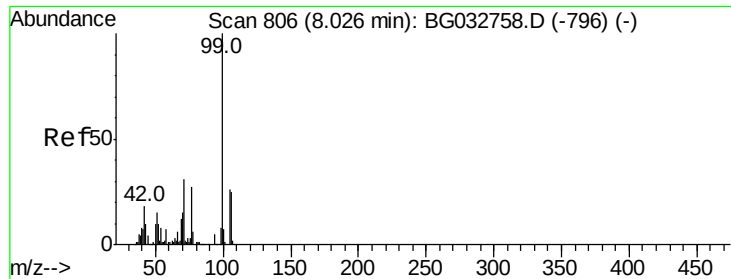
Abundance

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: 132.421 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

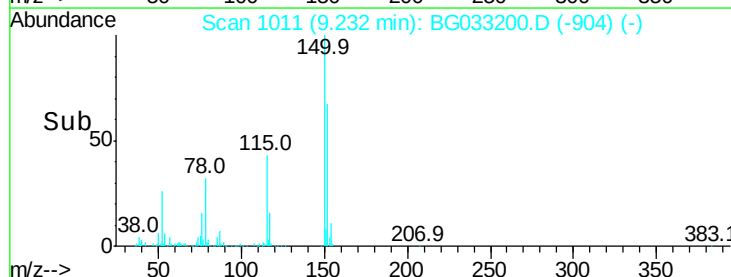
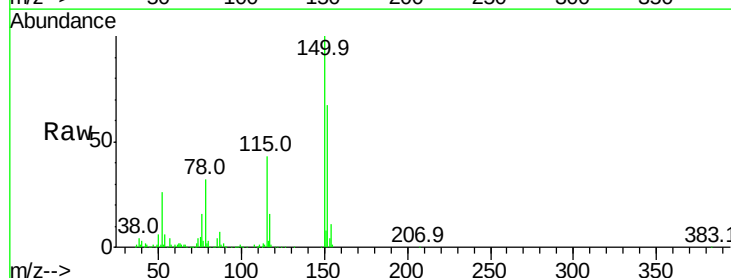
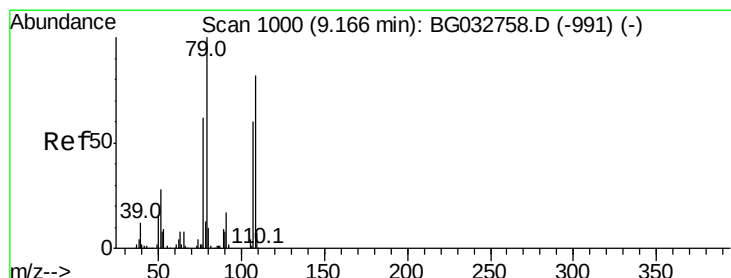
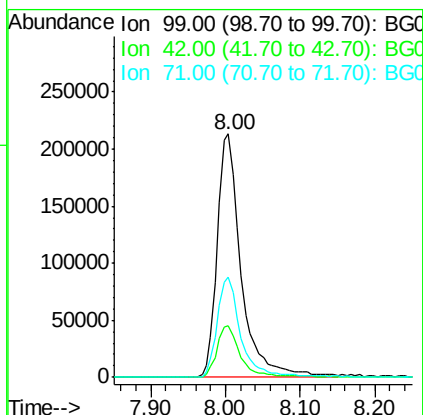
Tot Ion: 99 Resp: 477299

Ion Ratio Lower Upper

99 100

42 21.2 14.1 21.1#

71 41.3 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.354 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.10 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

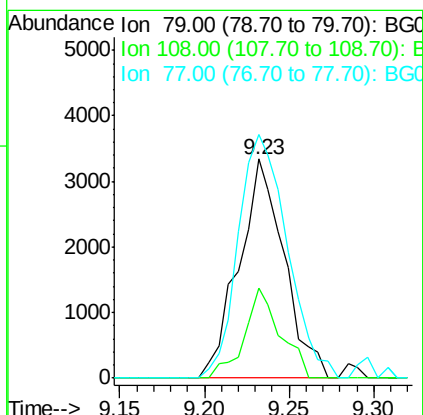
Tgt Ion: 79 Resp: 6237

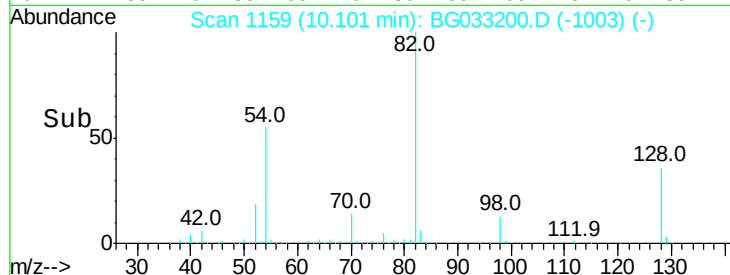
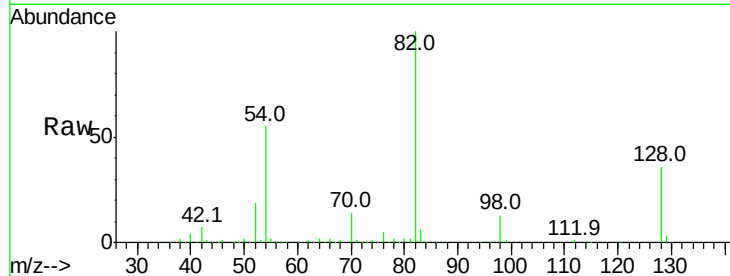
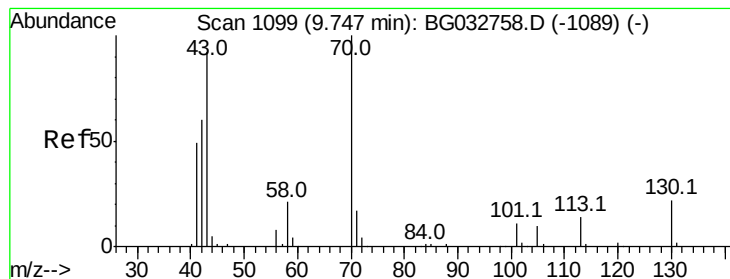
Ion Ratio Lower Upper

79 100

108 41.1 57.2 85.8#

77 111.0 46.1 69.1#





#19

n-Nitroso-di-n-propylamine

Concen: 20.152 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.39 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

Tot Ion: 70 Resp: 51279

Ion Ratio Lower Upper

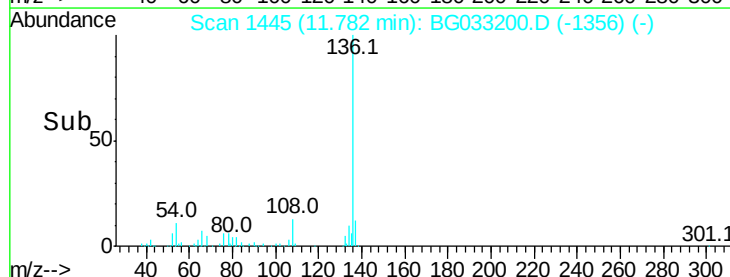
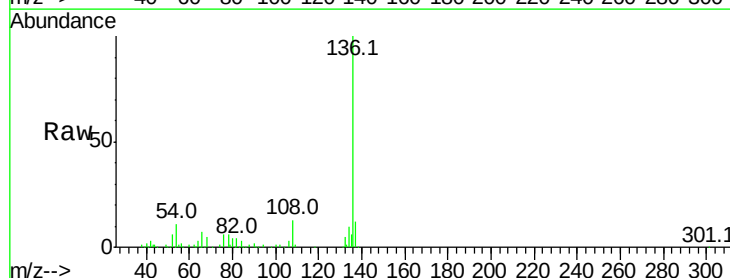
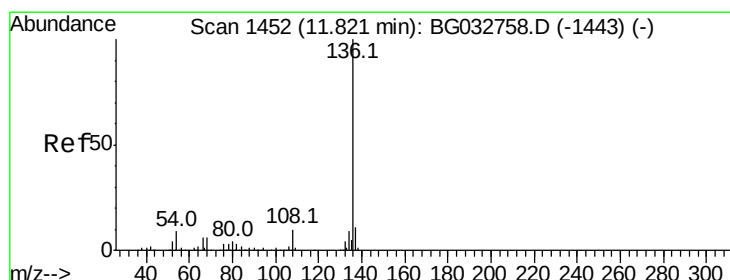
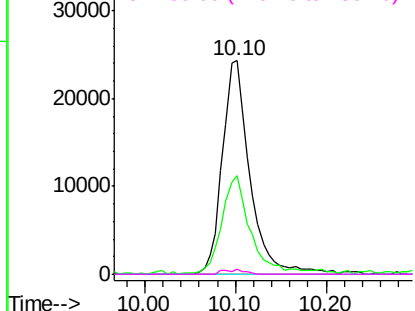
70 100

42 46.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Tgt Ion: 136 Resp: 158998

Ion Ratio Lower Upper

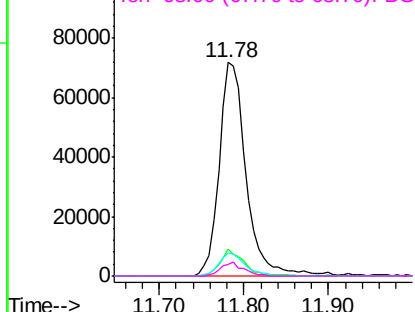
136 100

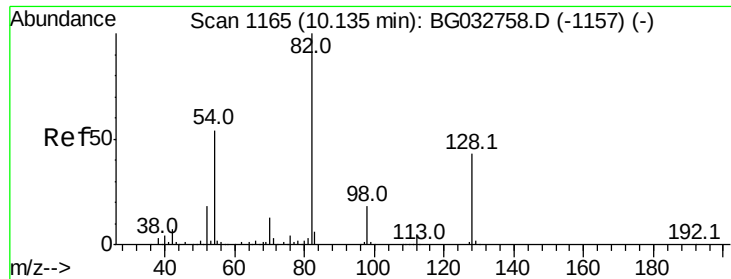
137 12.3 9.2 13.8

54 10.8 10.3 15.5

68 5.4 4.5 6.7

Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 152.480 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

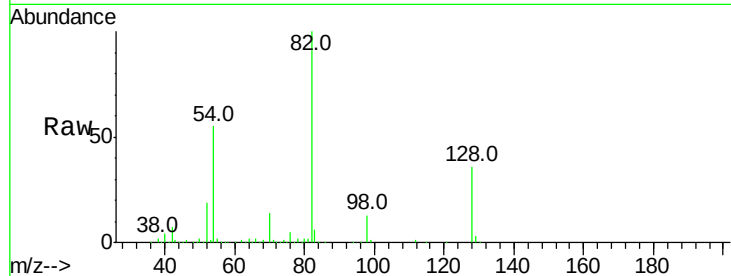
Tot Ion: 82 Resp: 369772

Ion Ratio Lower Upper

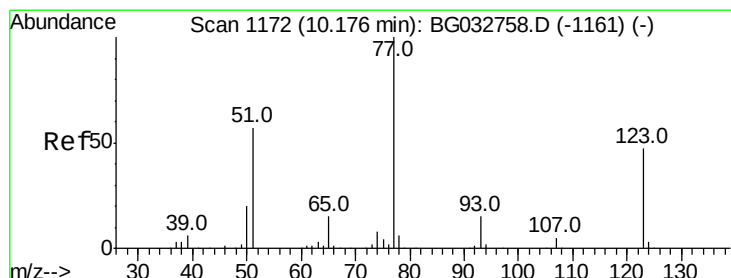
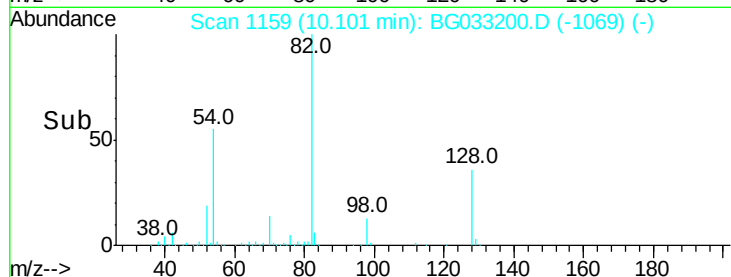
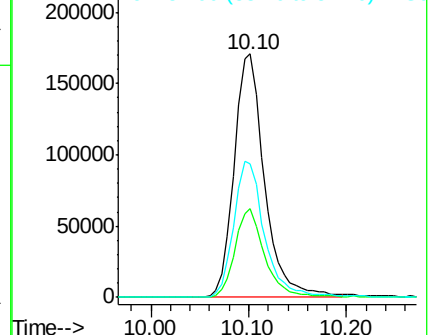
82 100

128 36.5 29.7 44.5

54 55.1 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: 6.406 ng

RT: 10.15 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

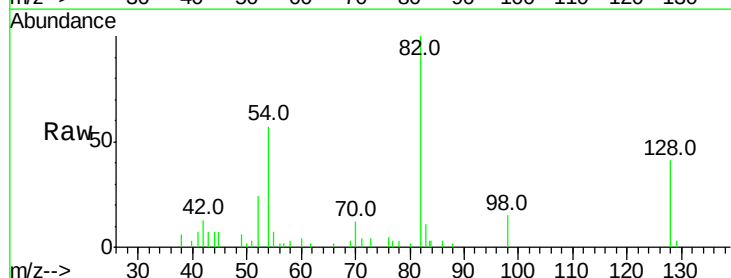
Tgt Ion: 77 Resp: 76

Ion Ratio Lower Upper

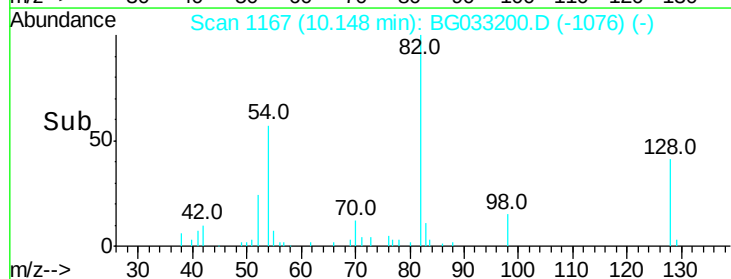
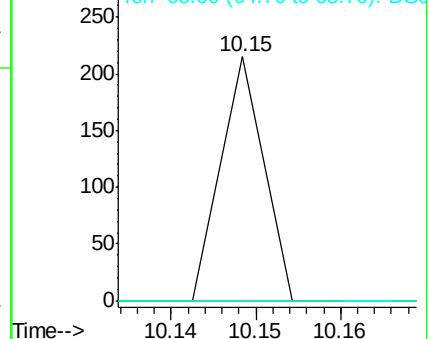
77 100

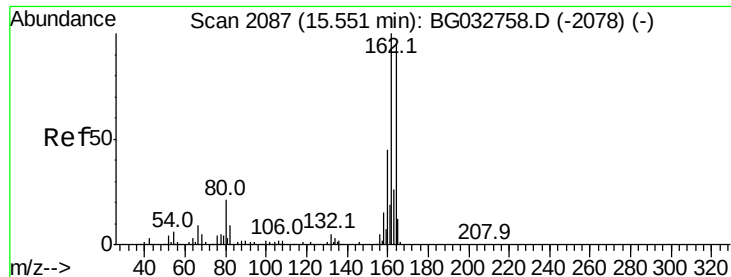
123 0.0 33.0 49.6#

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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

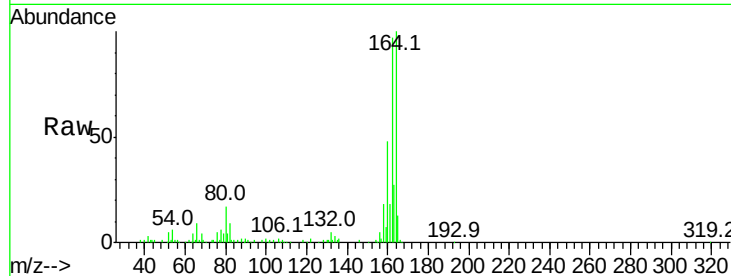
Tot Ion:164 Resp: 110695

Ion Ratio Lower Upper

164 100

162 96.5 78.8 118.2

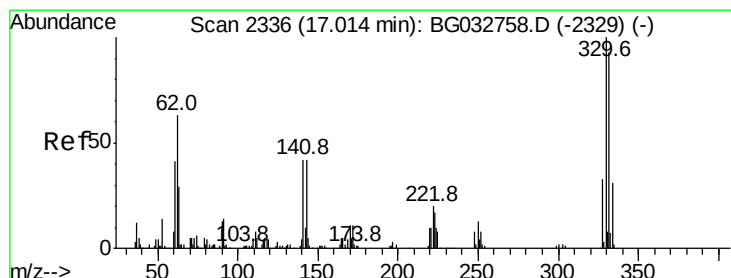
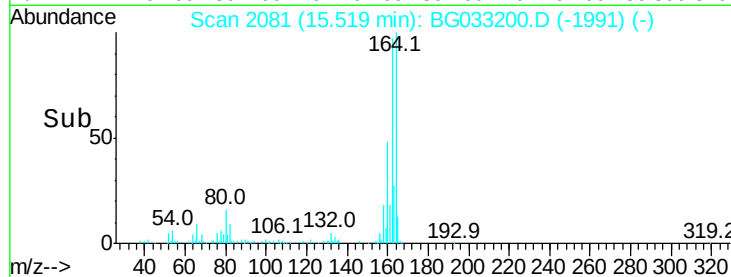
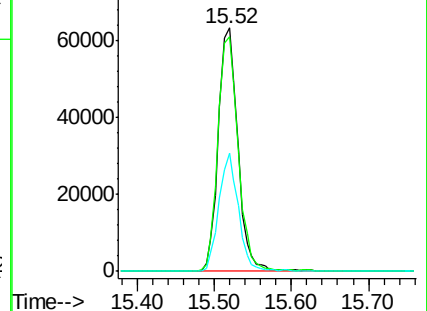
160 48.4 35.4 53.0



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: 228.211 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.00 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

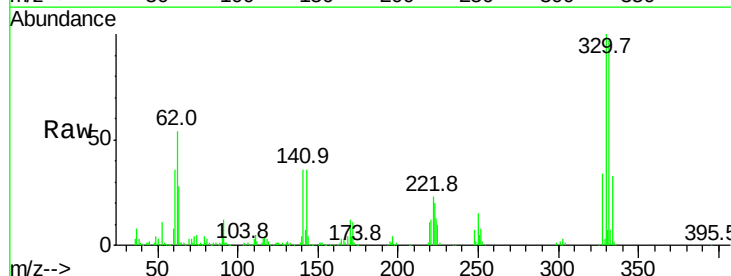
Tgt Ion:330 Resp: 265619

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

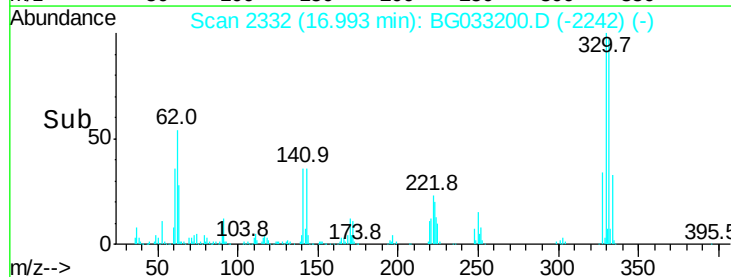
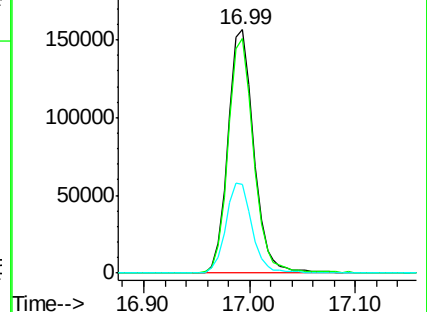
141 37.7 25.2 37.8

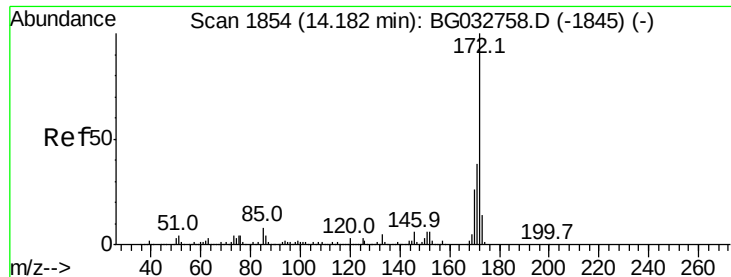


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

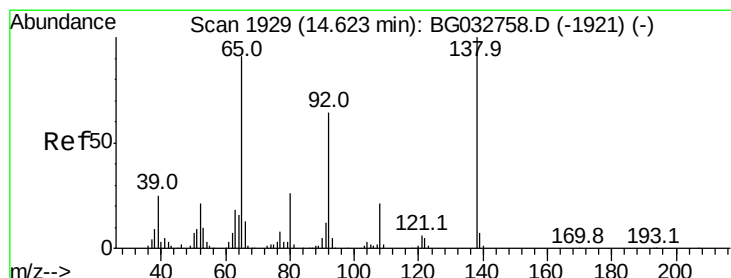
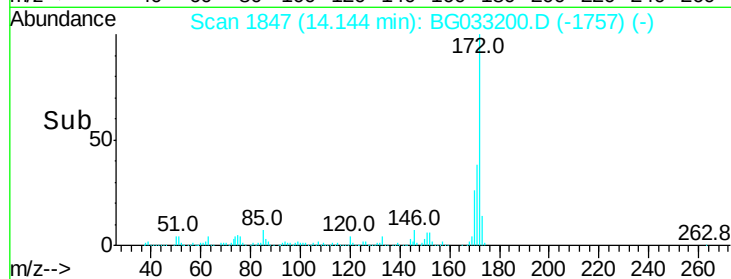
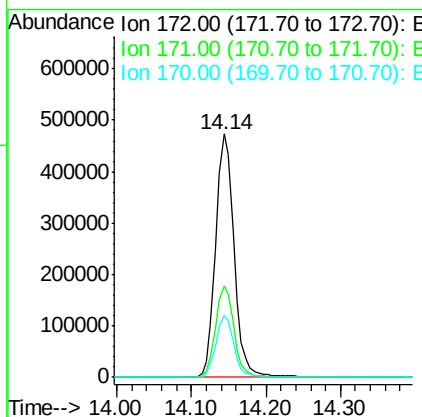
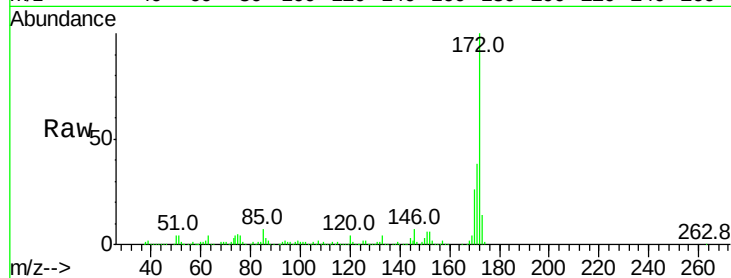




#44
 2-Fluorobiphenyl
 Concen: 105.952 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BG033200.D
 Acq: 16 Mar 2018 15:29

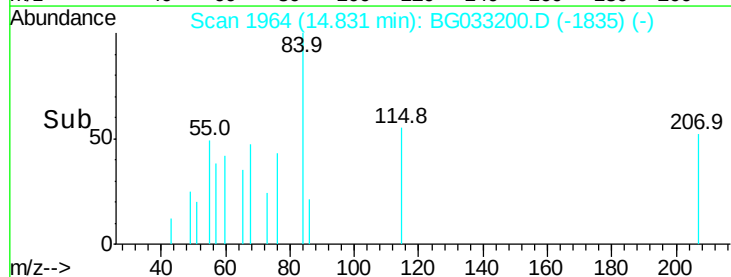
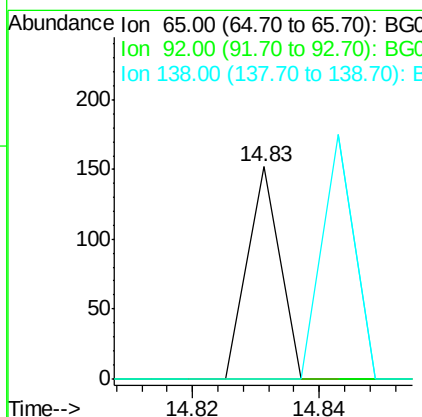
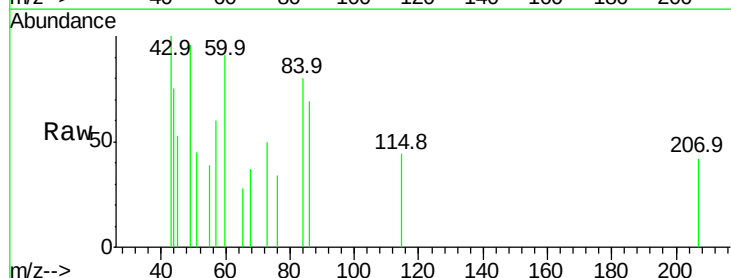
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-RBR200032

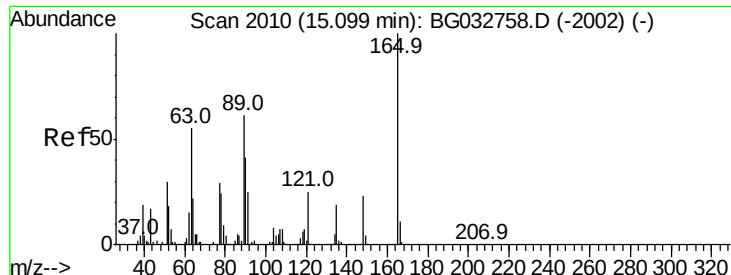
Tot Ion:172 Resp: 813199
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.0 45.0
 170 25.6 19.5 29.3



#47
 2-Nitroaniline
 Concen: 9.859 ng
 RT: 14.83 min Scan# 1964
 Delta R.T. 0.23 min
 Lab File: BG033200.D
 Acq: 16 Mar 2018 15:29

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#

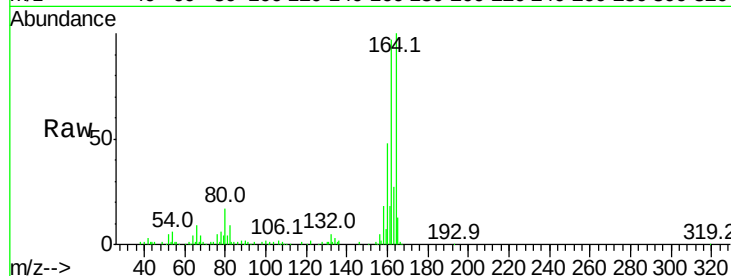




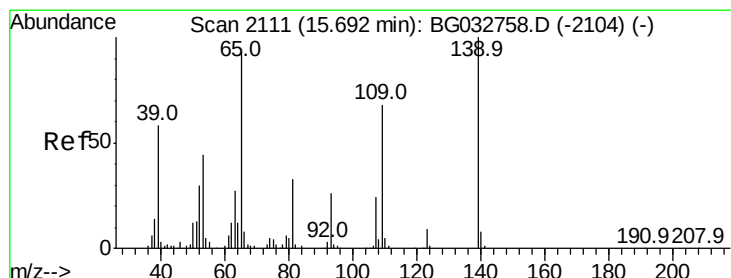
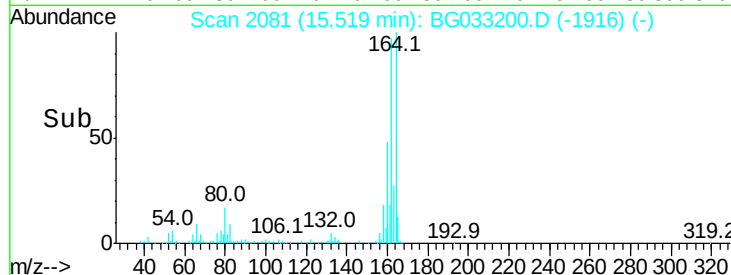
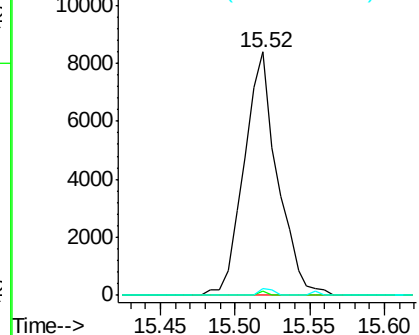
#50
2,6-Dinitrotoluene
Concen: 15.692 ng
RT: 15.52 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200032

Tot Ion:165 Resp: 12974
Ion Ratio Lower Upper
165 100
63 2.0 52.7 79.1#
89 2.6 49.2 73.8#

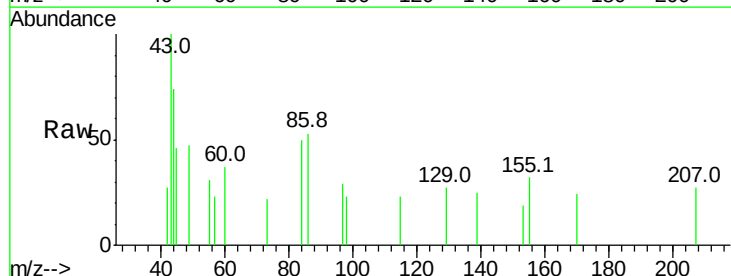


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

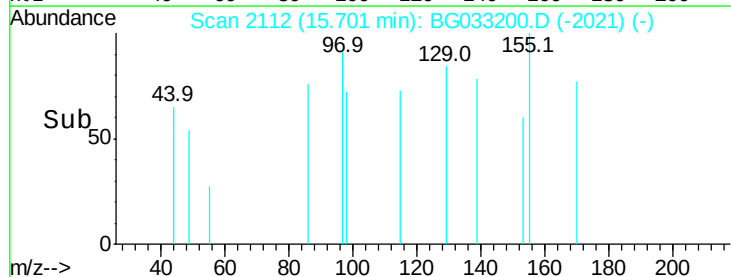
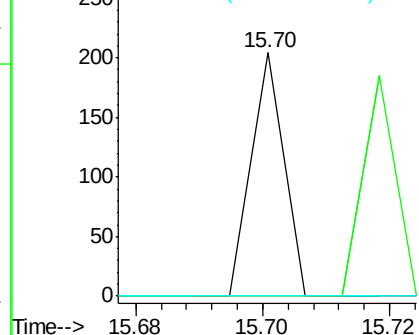


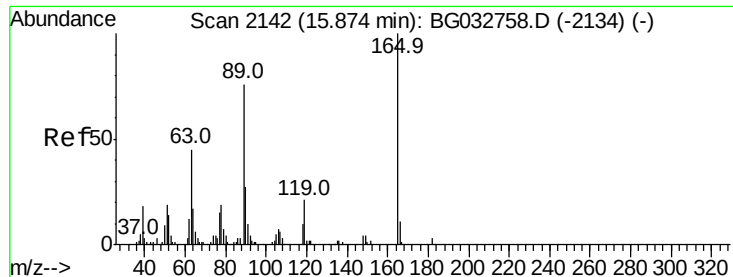
#55
4-Nitrophenol
Concen: 7.123 ng
RT: 15.70 min Scan# 2112
Delta R.T. 0.01 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Tgt Ion:139 Resp: 72
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

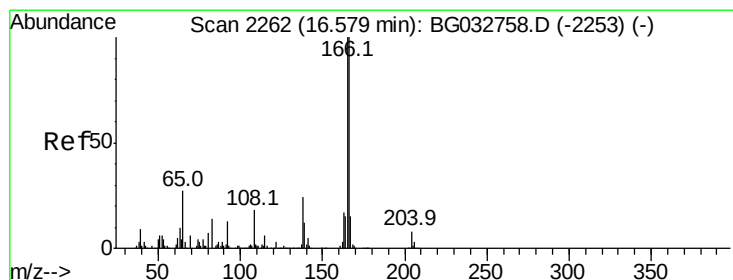
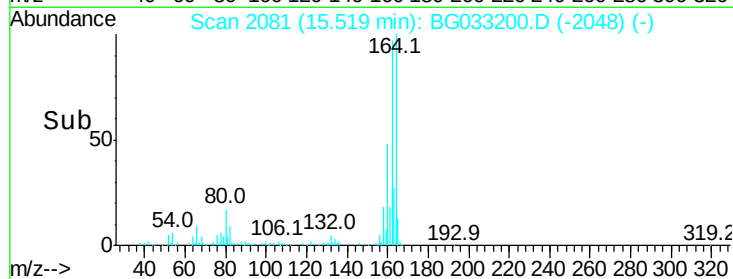
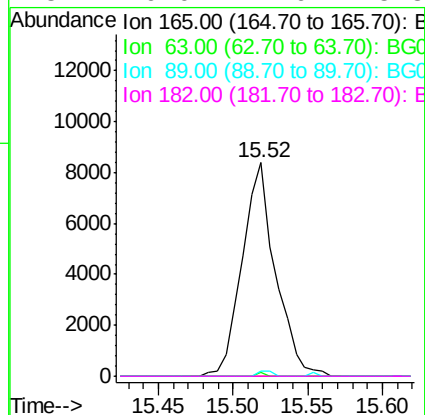
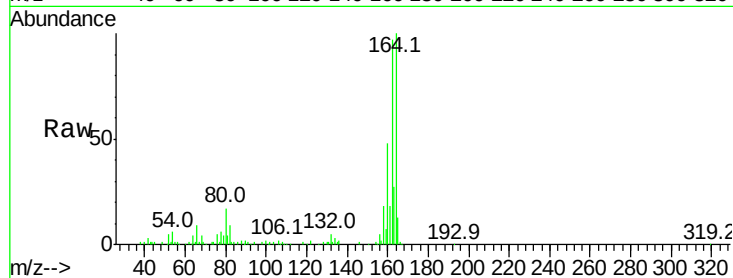




#56
 2,4-Dinitrotoluene
 Concen: 13.883 ng
 RT: 15.52 min Scan# 2081
 Delta R.T. -0.33 min
 Lab File: BG033200.D
 Acq: 16 Mar 2018 15:29

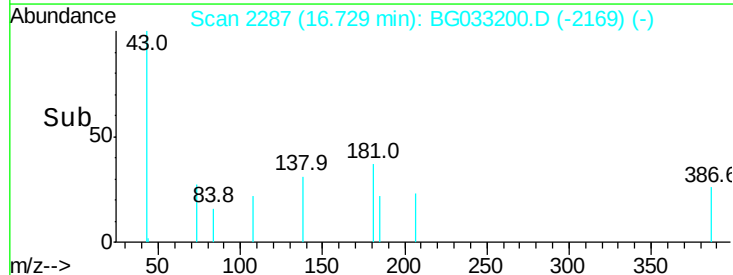
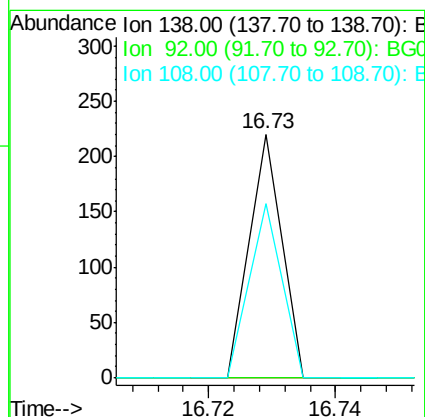
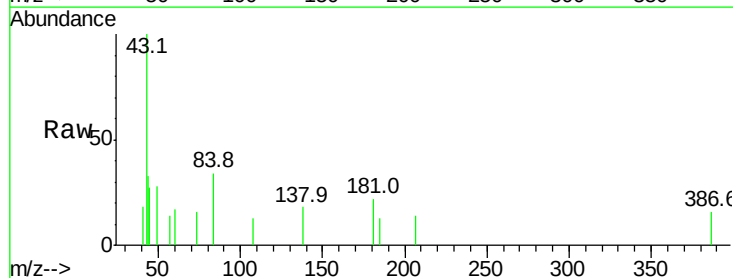
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-RBR200032

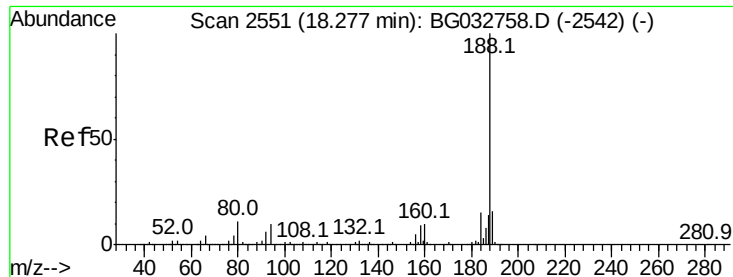
Tot Ion:165 Resp: 12974
 Ion Ratio Lower Upper
 165 100
 63 2.0 42.0 63.0#
 89 2.6 66.9 100.3#
 182 0.0 2.6 3.8#



#61
 4-Nitroaniline
 Concen: 5.334 ng
 RT: 16.73 min Scan# 2287
 Delta R.T. 0.17 min
 Lab File: BG033200.D
 Acq: 16 Mar 2018 15:29

Tgt Ion:138 Resp: 78
 Ion Ratio Lower Upper
 138 100
 92 0.0 40.1 80.1#
 108 71.8 65.4 105.4

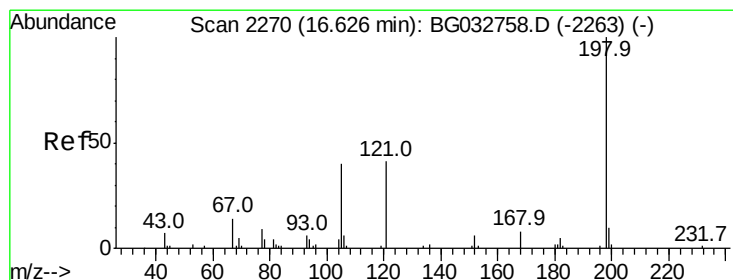
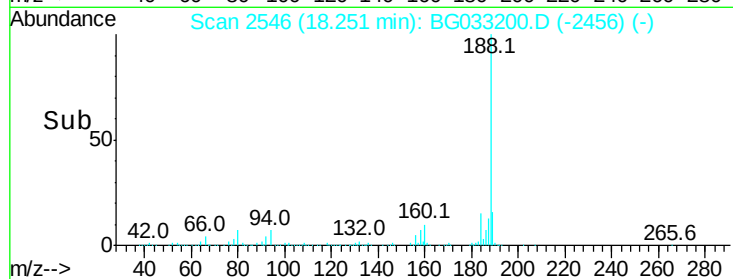
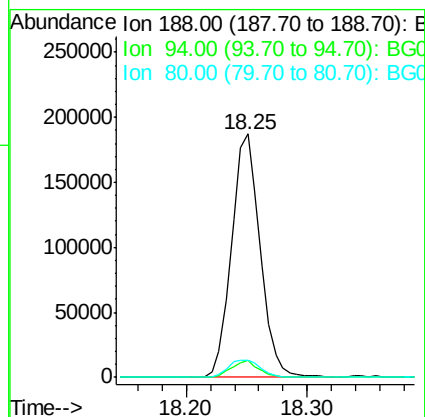
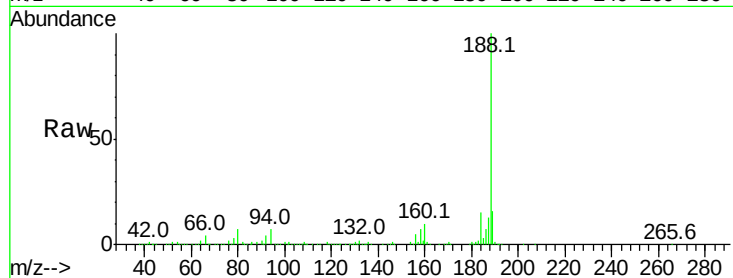




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

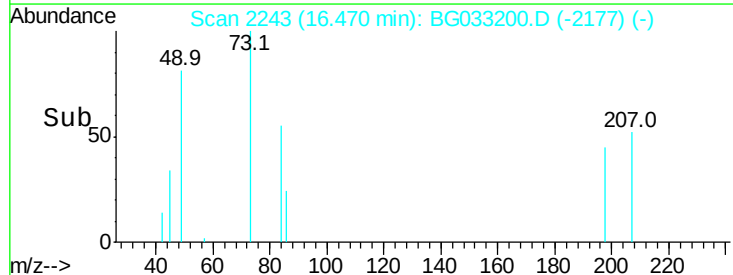
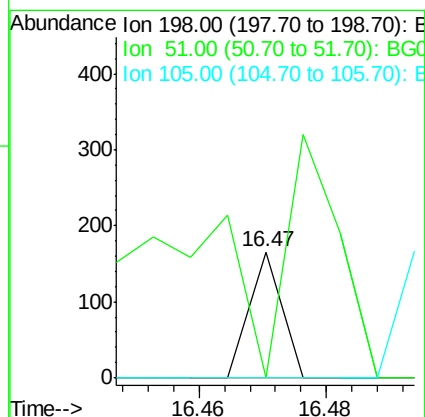
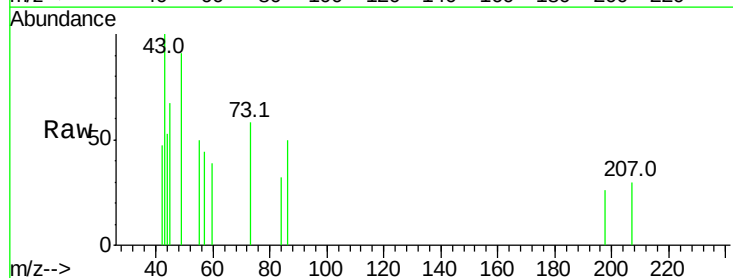
Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200032

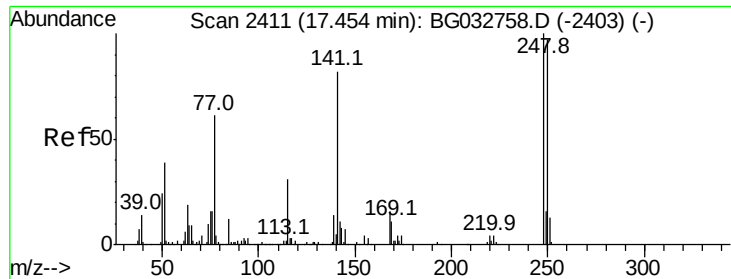
Tot Ion:188 Resp: 308552
Ion Ratio Lower Upper
188 100
94 7.0 6.9 10.3
80 6.7 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.029 ng
RT: 16.47 min Scan# 2243
Delta R.T. -0.14 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Tgt Ion:198 Resp: 59
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#

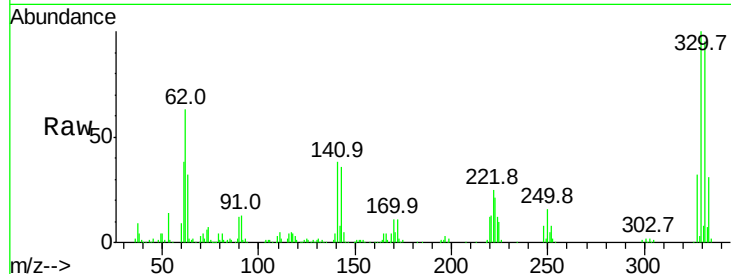




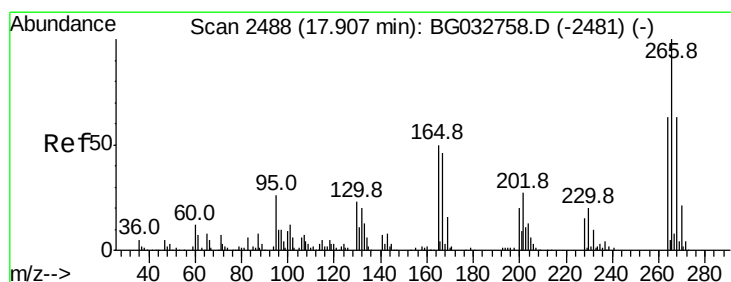
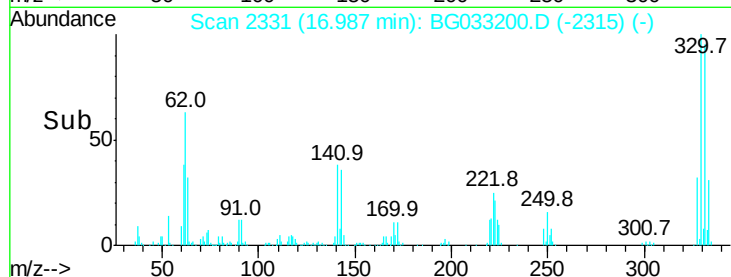
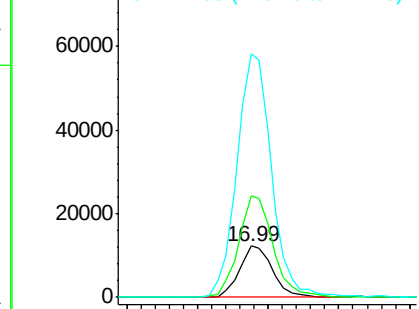
#66
4-Bromophenyl-phenylether
Concen: 6.170 ng
RT: 16.99 min Scan# 2331
Delta R.T. -0.43 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200032

Tot Ion:248 Resp: 20131
Ion Ratio Lower Upper
248 100
250 197.5 77.1 115.7#
141 475.0 50.8 76.2#

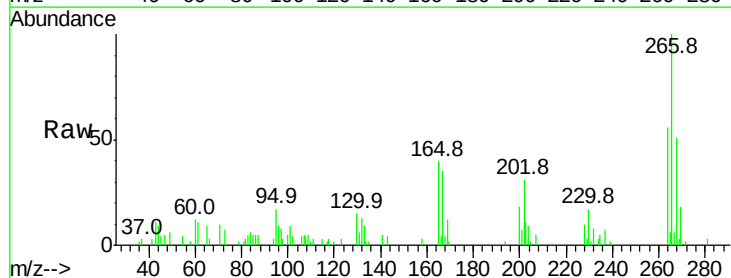


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

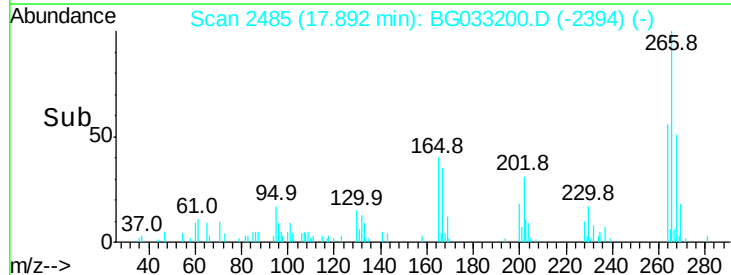
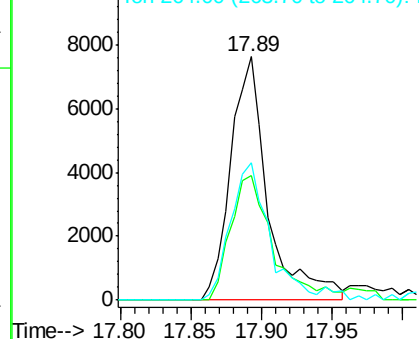


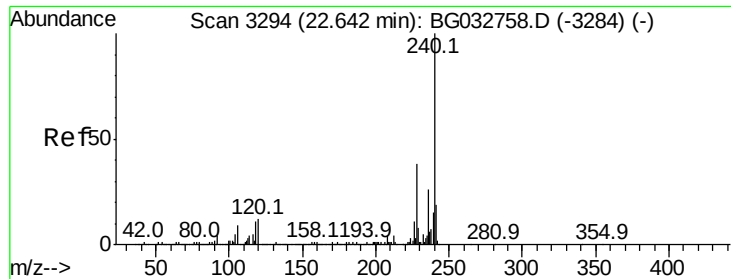
#69
Pentachlorophenol
Concen: 6.319 ng
RT: 17.89 min Scan# 2485
Delta R.T. 0.01 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Tgt Ion:266 Resp: 14033
Ion Ratio Lower Upper
266 100
268 53.7 51.1 76.7
264 56.3 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3288

Delta R.T. 0.00 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

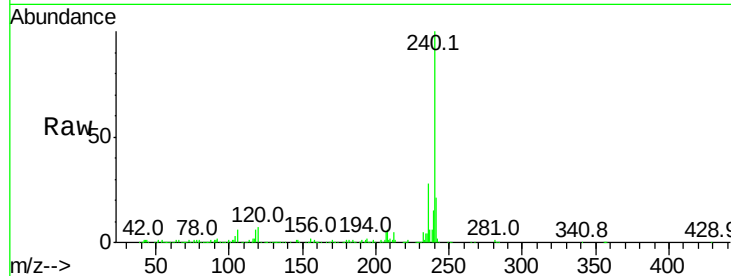
Tot Ion:240 Resp: 325433

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

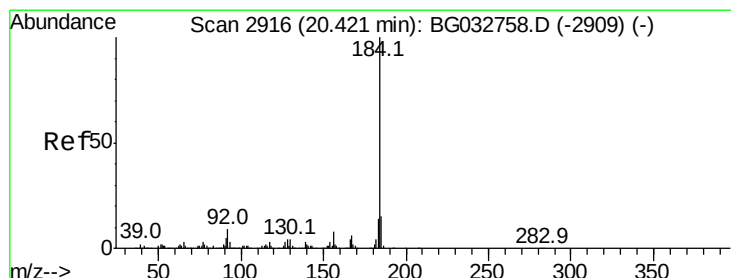
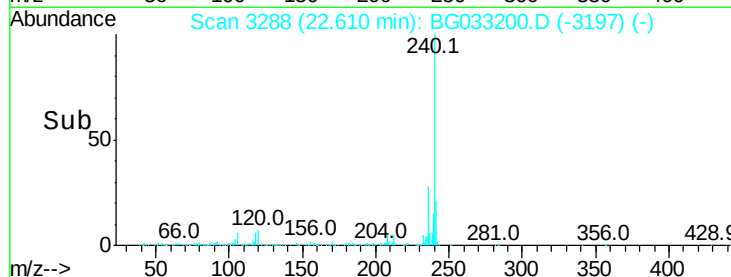
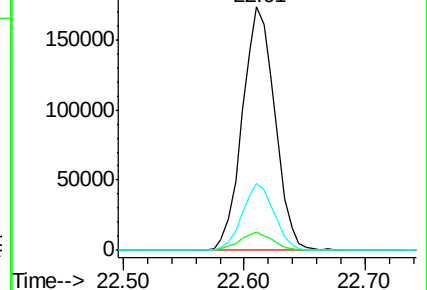
236 27.8 20.9 31.3



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: 2.372 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.37 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

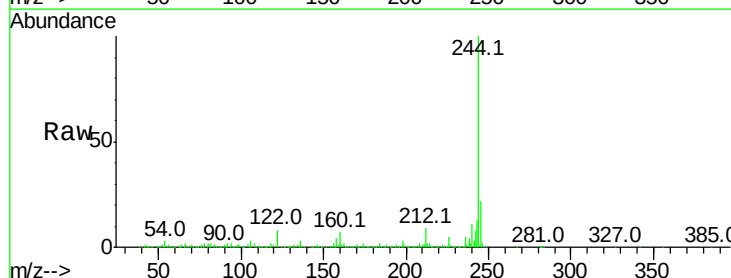
Tgt Ion:184 Resp: 26313

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

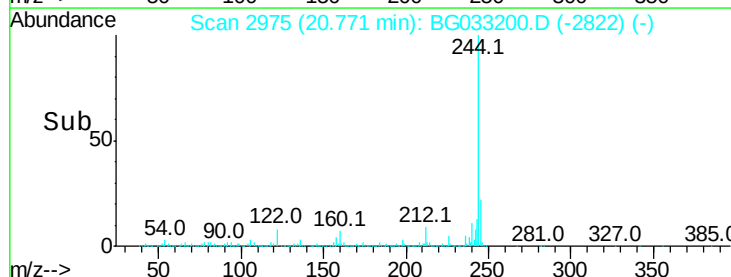
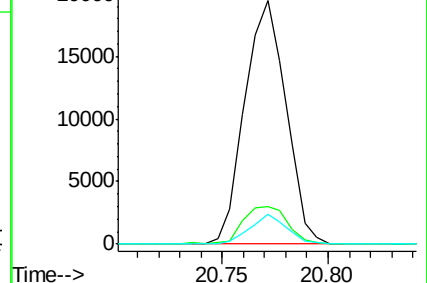
183 12.0 10.6 16.0

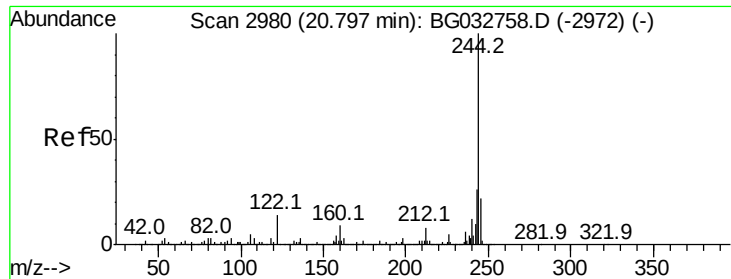


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 108.540 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.01 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Instrument :

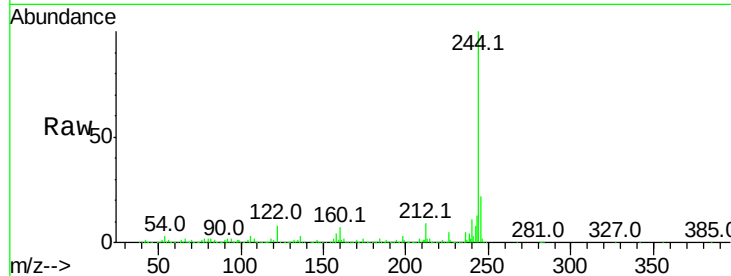
BNA_G

ClientSampleId :

SOIL-RBR200032

Tot Ion:244 Resp: 1572170

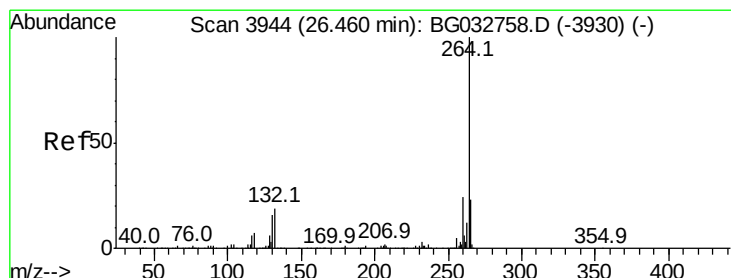
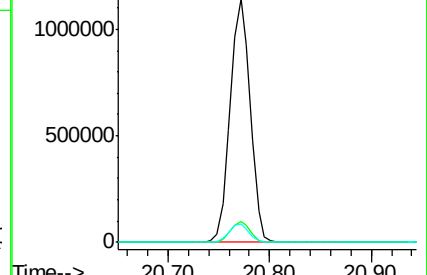
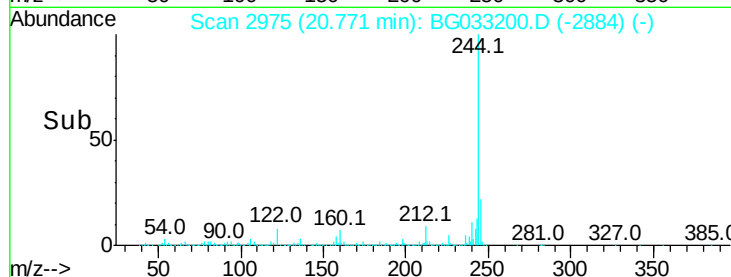
Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.8	8.8
122	7.5	7.0	10.4



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: 26.44 min Scan# 3939

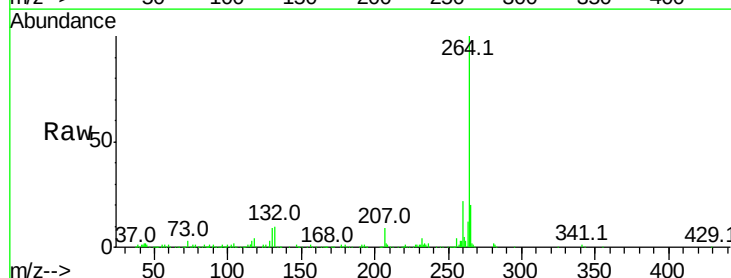
Delta R.T. 0.03 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Tgt Ion:264 Resp: 345149

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.4	26.0
265	20.4	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

