

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
 Data File : BG017266.D
 Acq On : 23 May 2015 5:03
 Operator : TP/IZ
 Sample : G2314-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC051915-SOIL

Quant Time: May 25 09:12:18 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 08:11:45 2015
 Response via : Initial Calibration

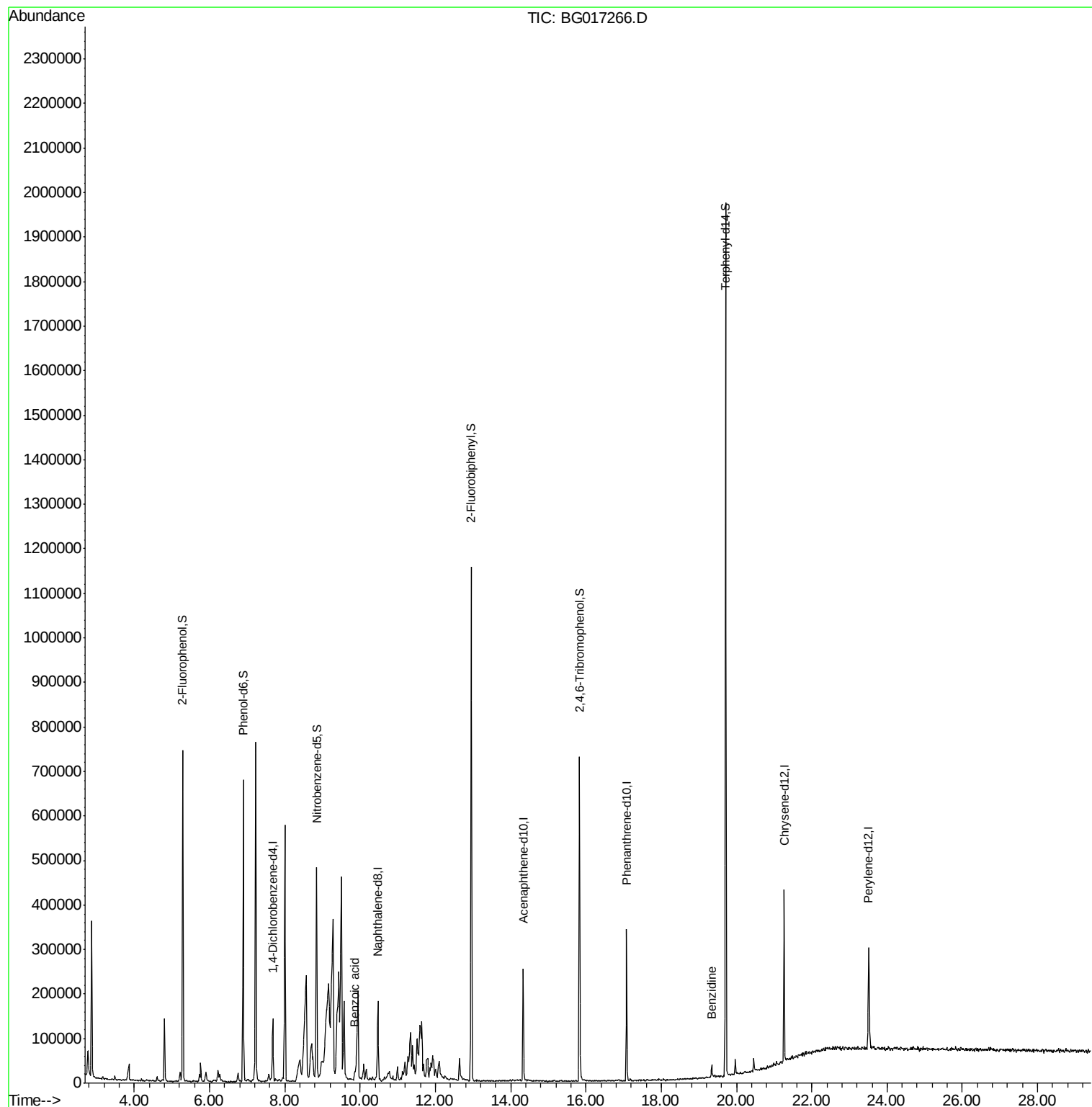
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	33577	20.00	ng	0.00
21) Naphthalene-d8	10.48	136	129096	20.00	ng	0.00
38) Acenaphthene-d10	14.34	164	79113	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	170651	20.00	ng	0.00
75) Chrysene-d12	21.26	240	184167	20.00	ng	0.00
86) Perylene-d12	23.52	264	175124	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	260189	137.49	ng	0.00
7) Phenol-d6	6.90	99	308845	116.29	ng	0.02
23) Nitrobenzene-d5	8.84	82	247371	89.46	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	114418	119.64	ng	0.00
44) 2-Fluorobiphenyl	12.95	172	507142	94.06	ng	0.00
78) Terphenyl-d14	19.72	244	797375	90.23	ng	0.00
Target Compounds						
32) Benzoic acid	9.86	122	5193	3.85	ng	# 82
76) Benzidine	19.34	184	16274	2.71	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.68 min Scan# 850

Delta R.T. 0.00 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

Instrument :

BNA_G

ClientSampleId :

WC051915-SOIL

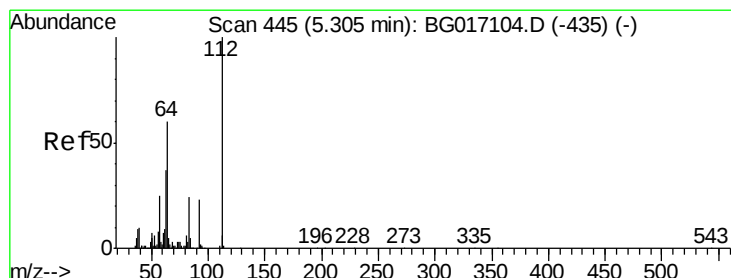
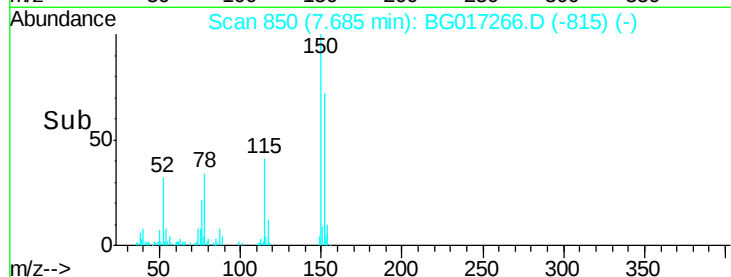
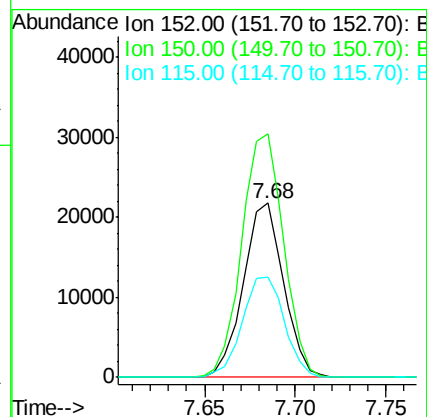
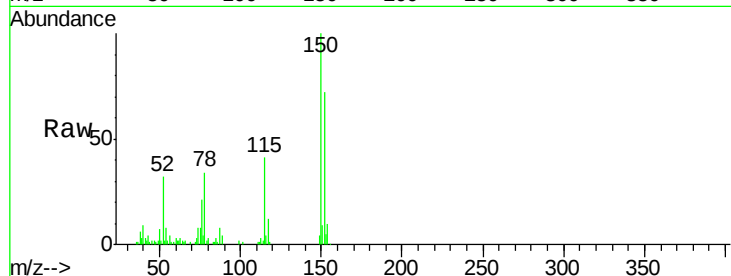
Tgt Ion:152 Resp: 33577

Ion Ratio Lower Upper

152 100

150 139.6 120.8 181.2

115 57.6 49.4 74.2



#5

2-Fluorophenol

Concen: 137.49 ng

RT: 5.29 min Scan# 442

Delta R.T. 0.01 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

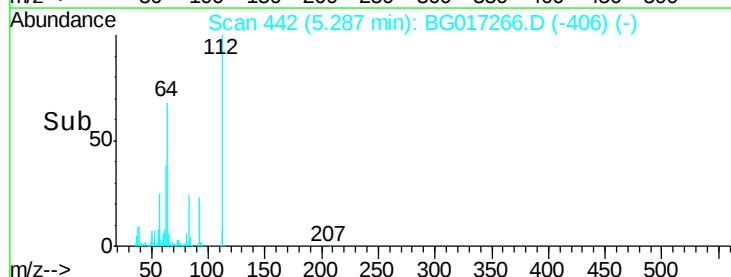
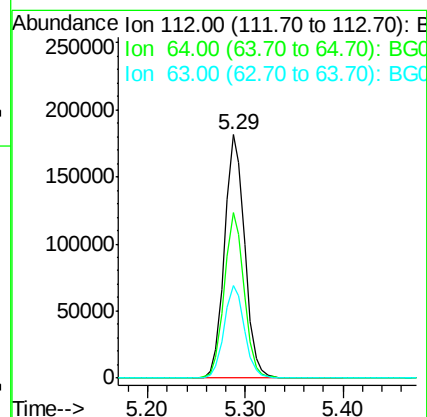
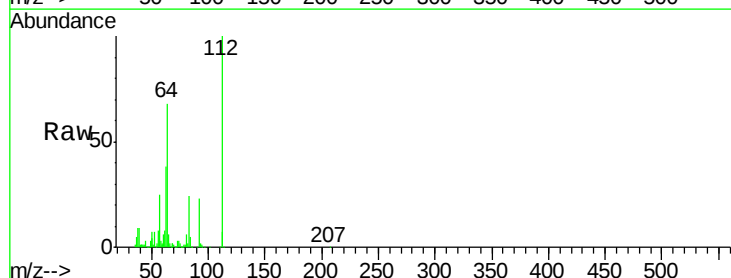
Tgt Ion:112 Resp: 260189

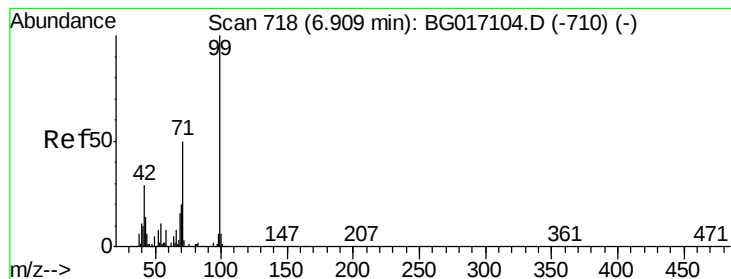
Ion Ratio Lower Upper

112 100

64 68.1 48.1 72.1

63 38.0 29.8 44.8





#7

Phenol-d6

Concen: 116.29 ng

RT: 6.90 min Scan# 716

Delta R.T. 0.02 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

Instrument :

BNA_G

ClientSampleId :

WC051915-SOIL

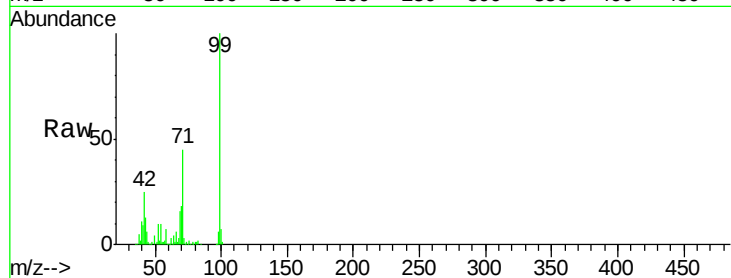
Tgt Ion: 99 Resp: 308845

Ion Ratio Lower Upper

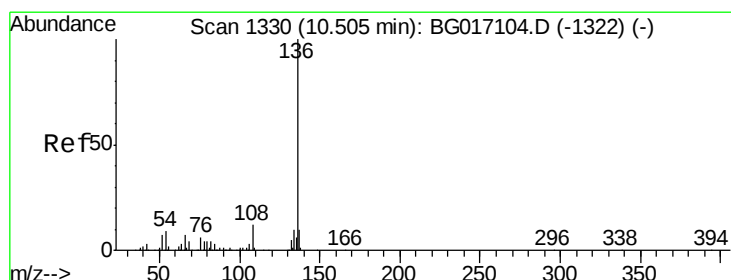
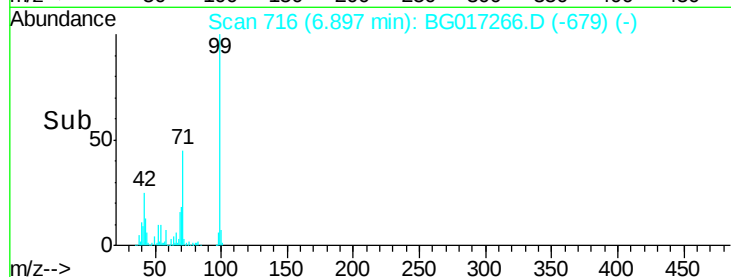
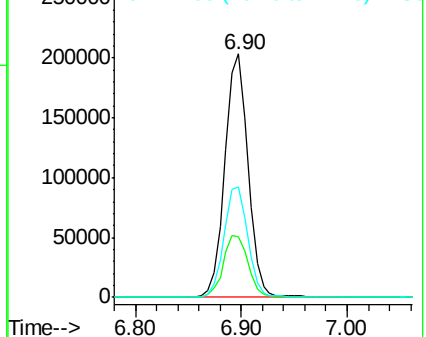
99 100

42 25.0 23.5 35.3

71 45.2 39.8 59.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.48 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

Tgt Ion: 136 Resp: 129096

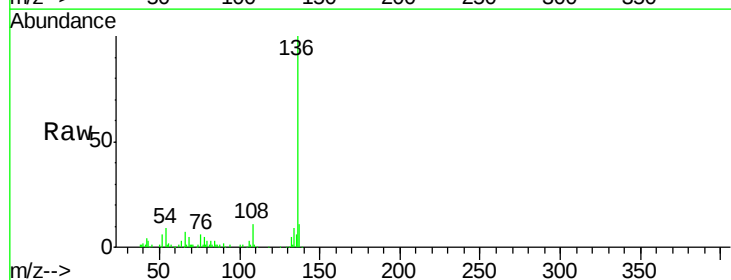
Ion Ratio Lower Upper

136 100

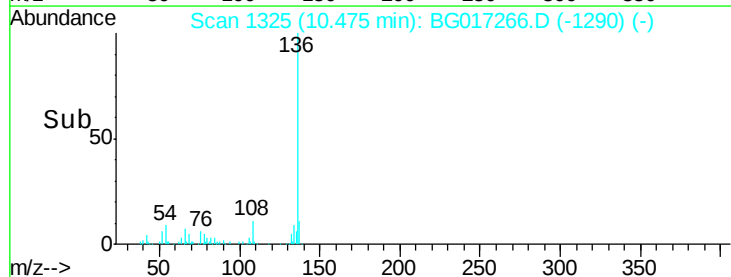
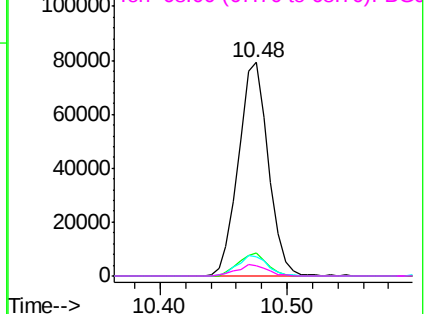
137 10.6 8.3 12.5

54 9.0 7.4 11.2

68 5.1 3.6 5.4



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: 89.46 ng

RT: 8.84 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

Instrument :

BNA_G

ClientSampleId :

WC051915-SOIL

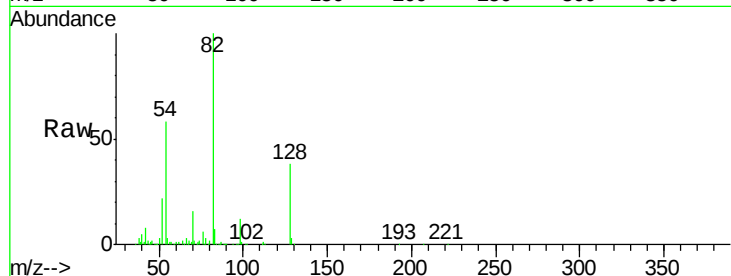
Tgt Ion: 82 Resp: 247371

Ion Ratio Lower Upper

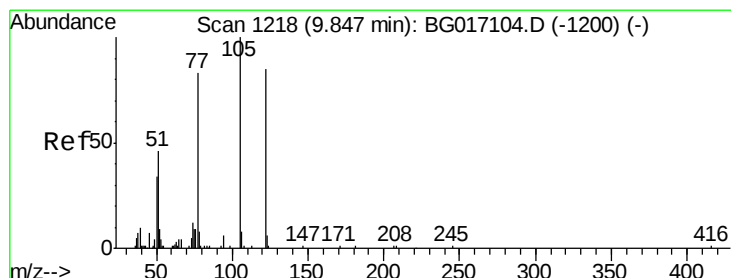
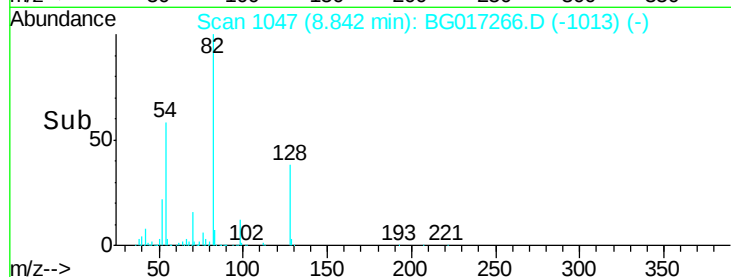
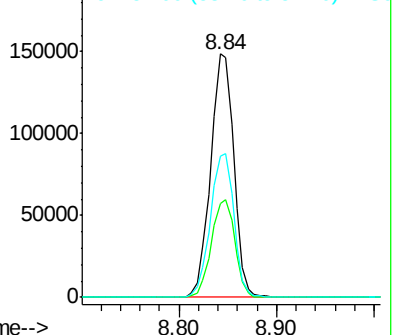
82 100

128 38.4 32.6 49.0

54 58.2 49.6 74.4



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



#32

Benzoic acid

Concen: 3.85 ng

RT: 9.86 min Scan# 1220

Delta R.T. 0.02 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

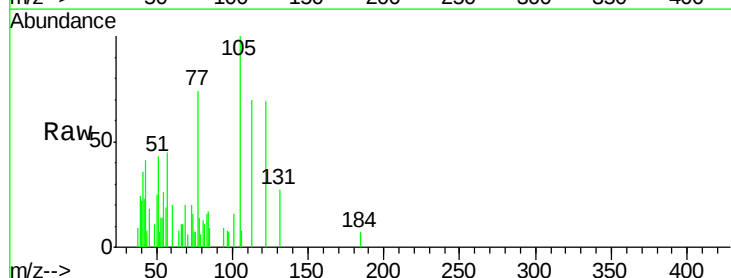
Tgt Ion: 122 Resp: 5193

Ion Ratio Lower Upper

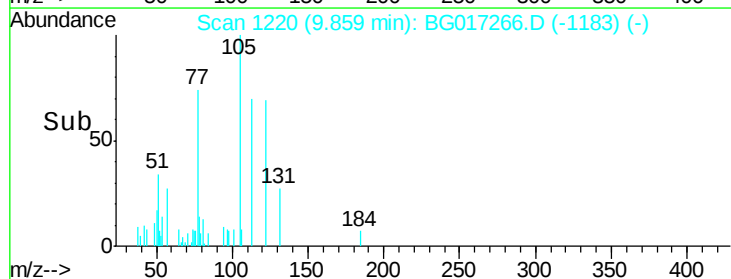
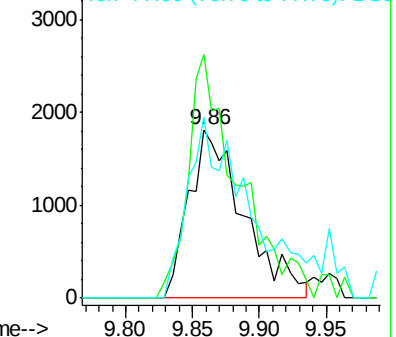
122 100

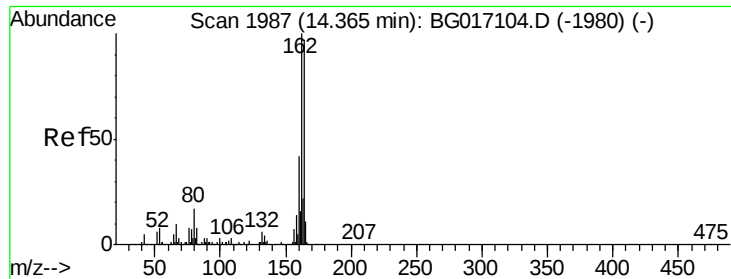
105 144.8 96.7 136.7#

77 107.7 78.5 118.5



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.34 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

Instrument :

BNA_G

ClientSampleId :

WC051915-SOIL

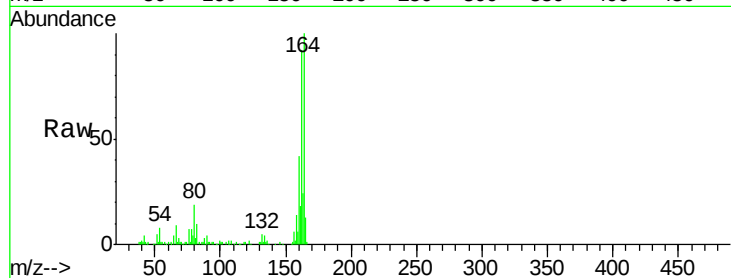
Tgt Ion:164 Resp: 79113

Ion Ratio Lower Upper

164 100

162 92.5 82.1 123.1

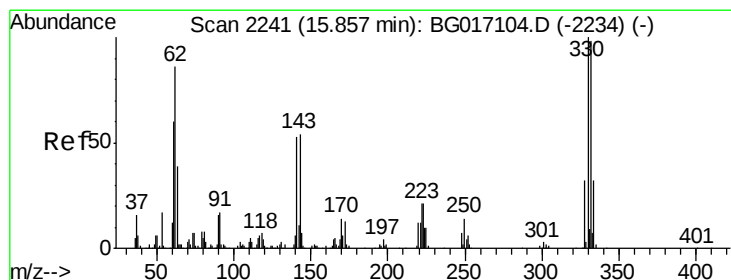
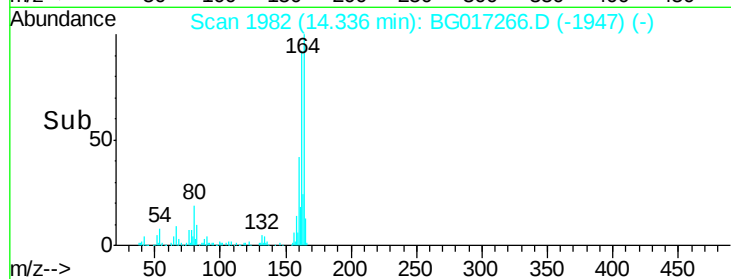
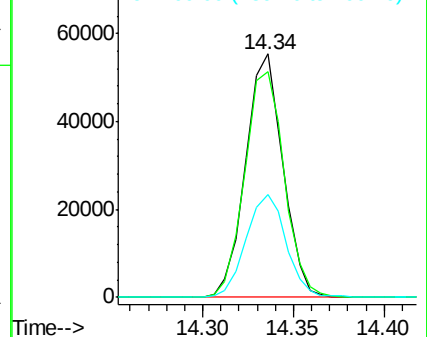
160 42.0 34.8 52.2



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: 119.64 ng

RT: 15.83 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

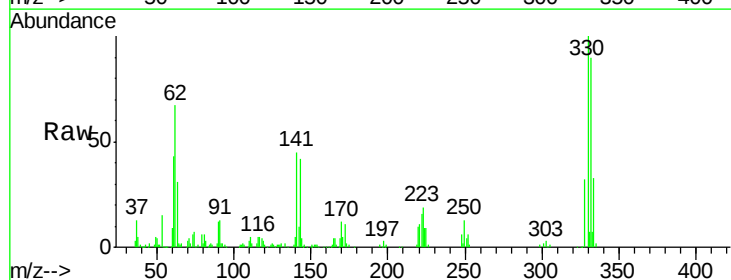
Tgt Ion:330 Resp: 114418

Ion Ratio Lower Upper

330 100

332 94.2 76.9 115.3

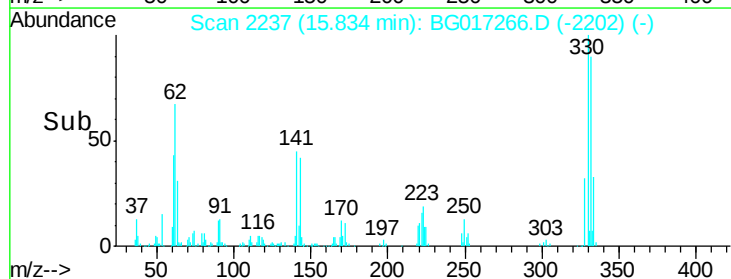
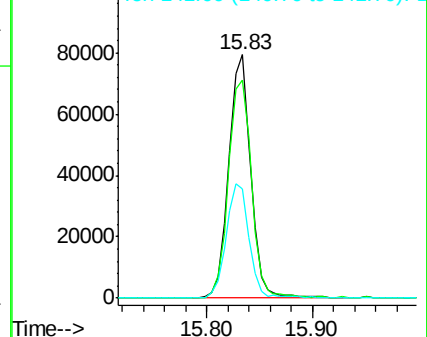
141 49.6 42.2 63.2

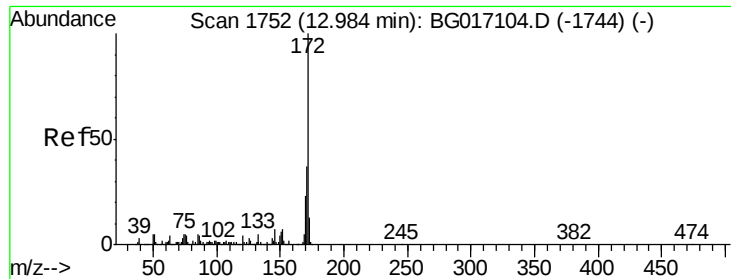


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

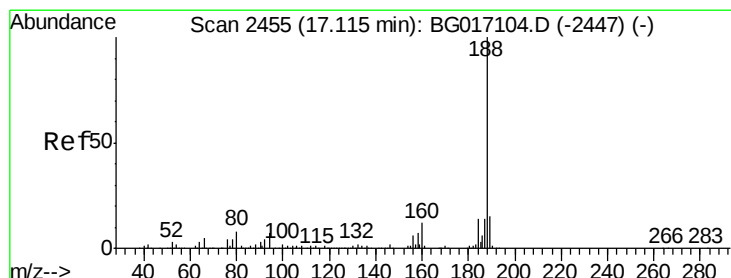
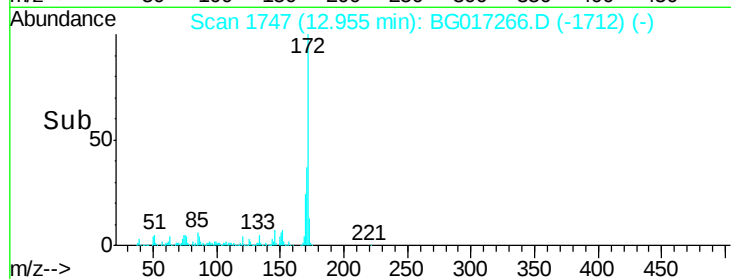
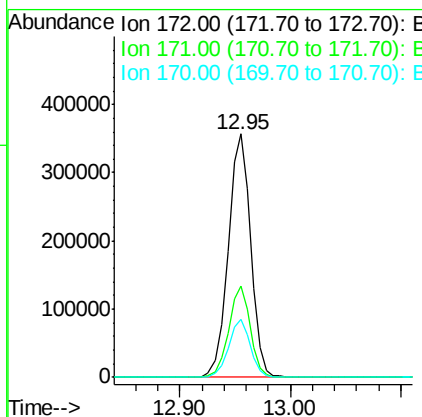
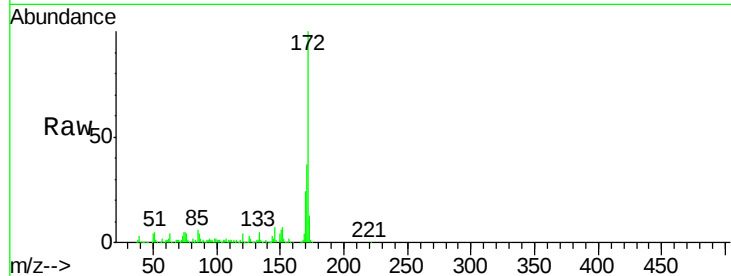




#44
 2-Fluorobiphenyl
 Concen: 94.06 ng
 RT: 12.95 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: BG017266.D
 Acq: 23 May 2015 5:03

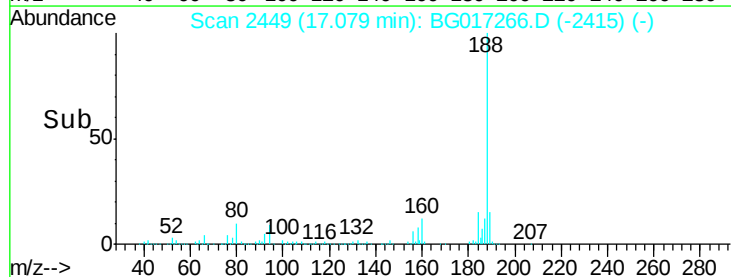
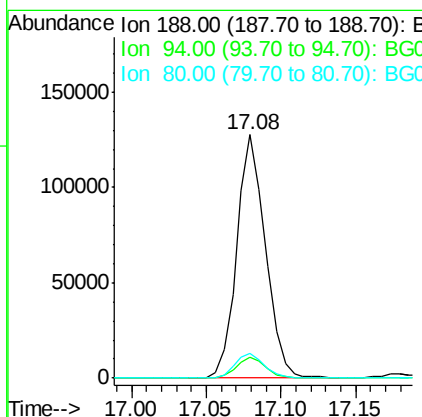
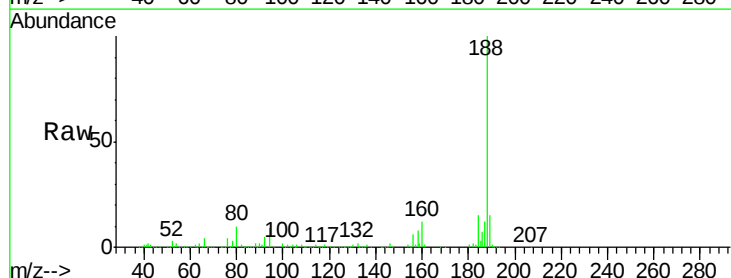
Instrument :
 BNA_G
 ClientSampleId :
 WC051915-SOIL

Tgt Ion:172 Resp: 507142
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.7 44.5
 170 23.8 18.4 27.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.08 min Scan# 2449
 Delta R.T. -0.00 min
 Lab File: BG017266.D
 Acq: 23 May 2015 5:03

Tgt Ion:188 Resp: 170651
 Ion Ratio Lower Upper
 188 100
 94 8.8 5.8 8.6#
 80 10.1 6.5 9.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.26 min Scan# 3161

Delta R.T. -0.00 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

Instrument :

BNA_G

ClientSampleId :

WC051915-SOIL

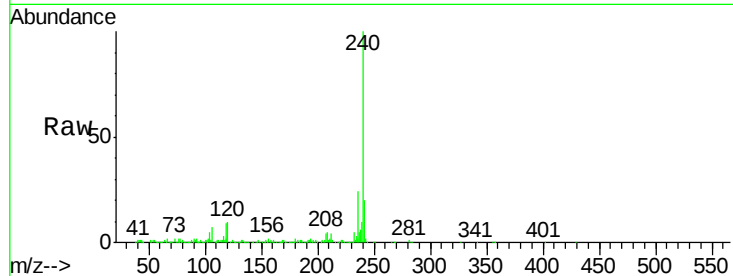
Tgt Ion:240 Resp: 184167

Ion Ratio Lower Upper

240 100

120 10.0 6.0 9.0#

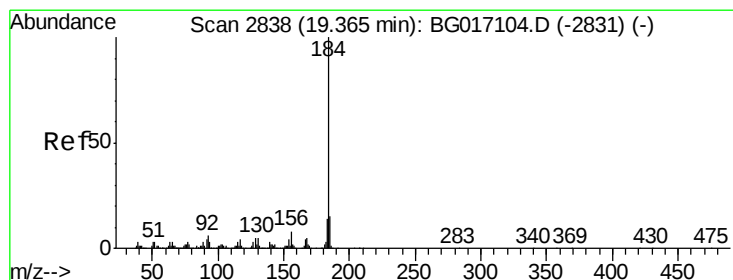
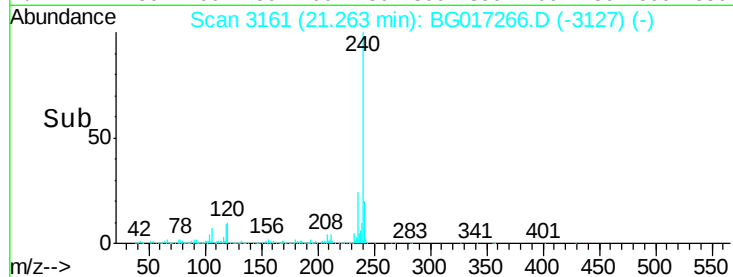
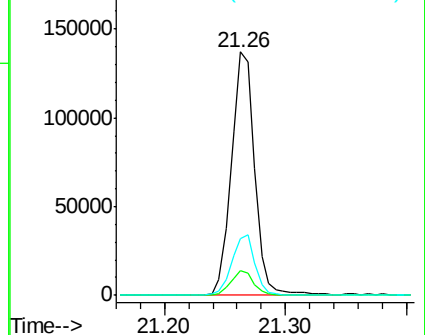
236 23.6 20.5 30.7



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: 2.71 ng

RT: 19.34 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

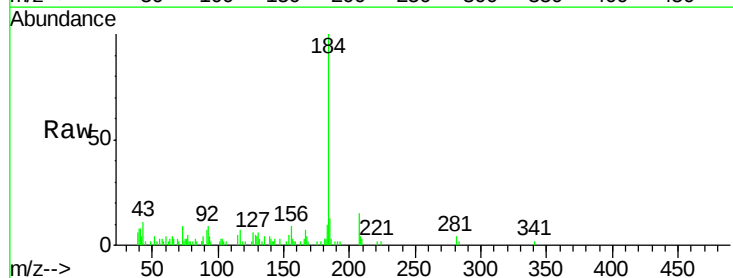
Tgt Ion:184 Resp: 16274

Ion Ratio Lower Upper

184 100

185 13.2 12.4 18.6

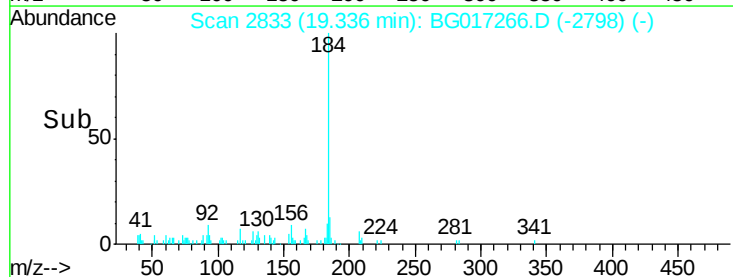
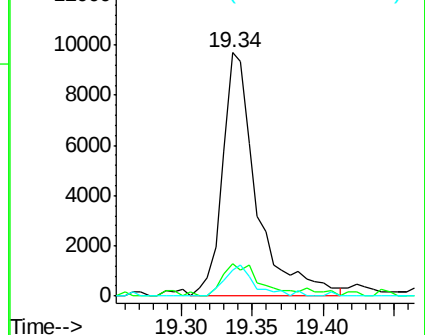
183 10.4 11.4 17.2#

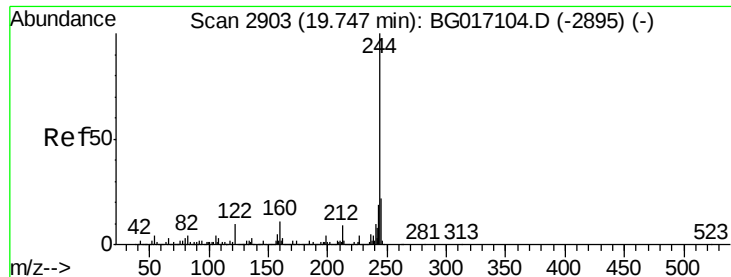


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.23 ng

RT: 19.72 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

Instrument :

BNA_G

ClientSampleId :

WC051915-SOIL

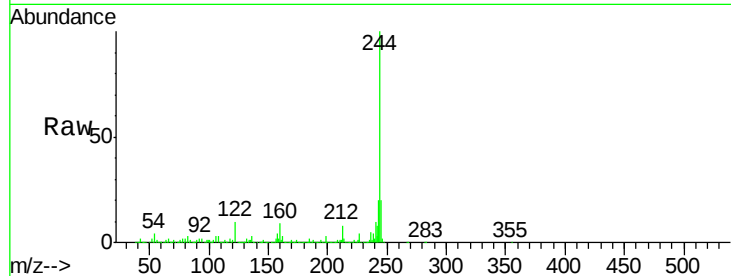
Tgt Ion:244 Resp: 797375

Ion Ratio Lower Upper

244 100

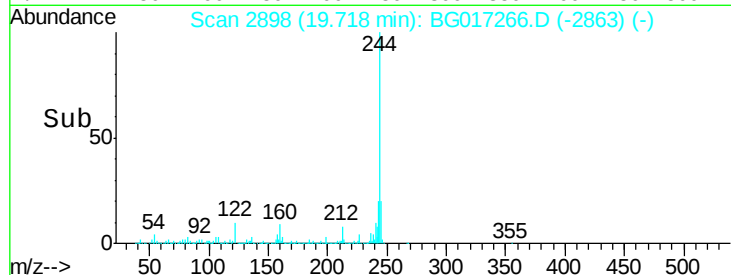
212 8.2 7.0 10.4

122 9.9 8.4 12.6

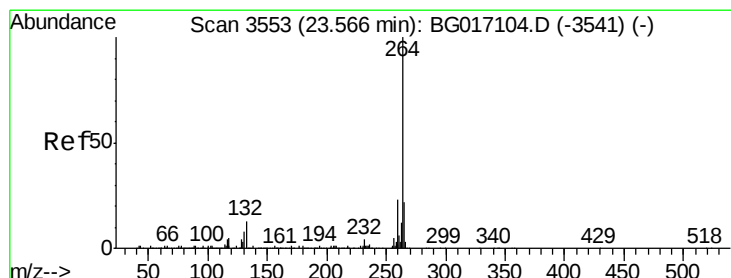


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

19.72



Time--> 19.60 19.70 19.80



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.52 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BG017266.D

Acq: 23 May 2015 5:03

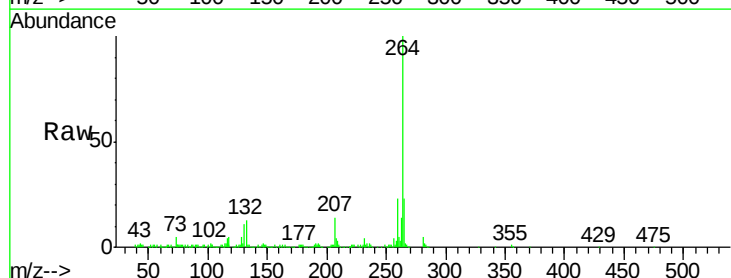
Tgt Ion:264 Resp: 175124

Ion Ratio Lower Upper

264 100

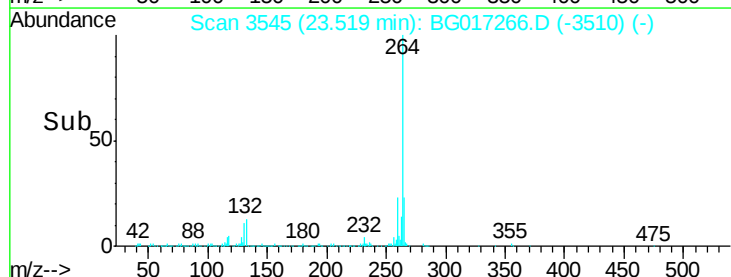
260 22.9 18.0 27.0

265 23.3 17.4 26.0



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

23.52



Time--> 23.40 23.50 23.60