

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012615\
 Data File : BG015958.D
 Acq On : 27 Jan 2015 23:08
 Operator : TP/IZ
 Sample : G1160-01
 Misc : W
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC012215-SOIL

Quant Time: Jan 28 03:13:13 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 28 01:36:36 2015
 Response via : Initial Calibration

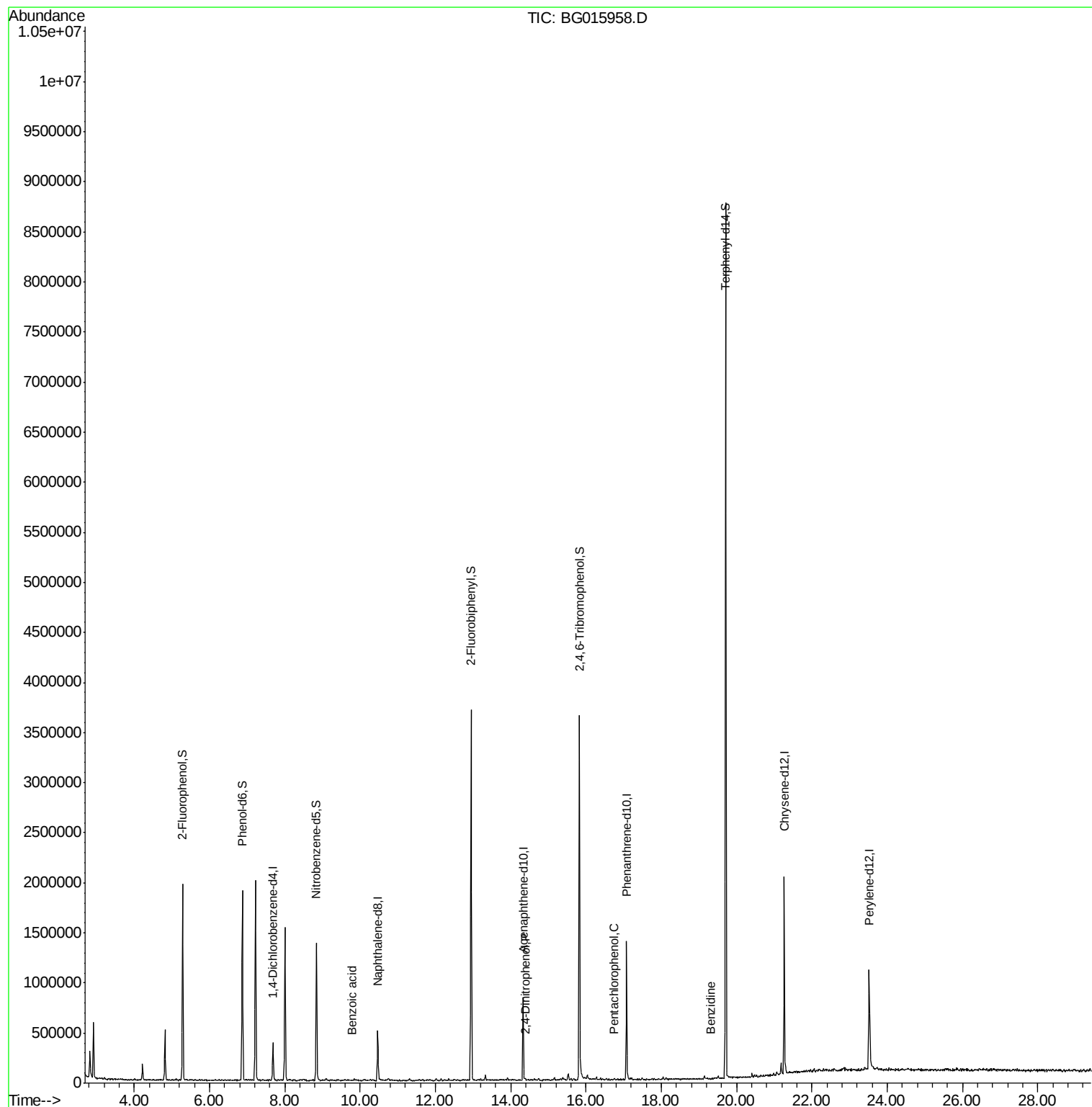
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	74260	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	299130	20.00	ng	0.00
38) Acenaphthene-d10	14.33	164	244081	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	721120	20.00	ng	0.00
75) Chrysene-d12	21.27	240	1014415	20.00	ng	0.00
86) Perylene-d12	23.53	264	891964	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	640440	128.43	ng	0.00
7) Phenol-d6	6.87	99	933774	116.20	ng	0.00
23) Nitrobenzene-d5	8.84	82	813258	78.37	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	676451	151.39	ng	0.00
44) 2-Fluorobiphenyl	12.95	172	1576313	101.33	ng	0.00
78) Terphenyl-d14	19.72	244	3341095	99.94	ng	0.00
Target Compounds						
32) Benzoic acid	9.79	122	112	10.33	ng	# 1
53) 2,4-Dinitrophenol	14.40	184	126	4.56	ng	# 1
69) Pentachlorophenol	16.74	266	837	5.40	ng	# 45
76) Benzidine	19.30	184	353	2.00	ng	# 64

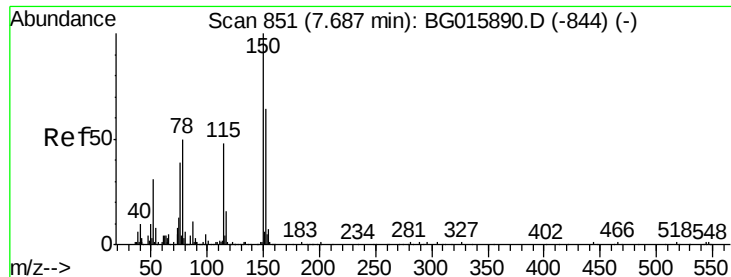
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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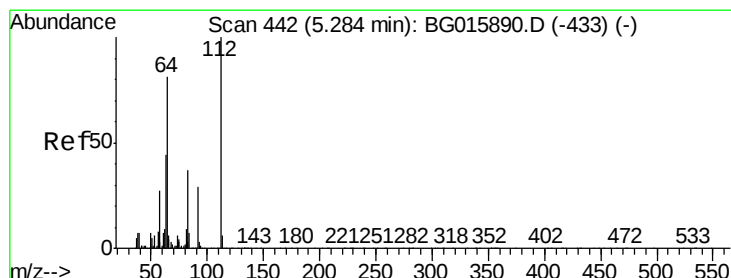
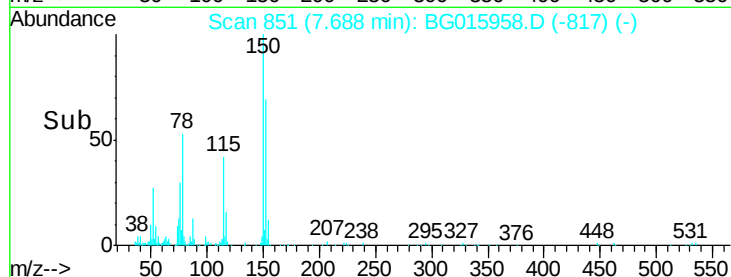
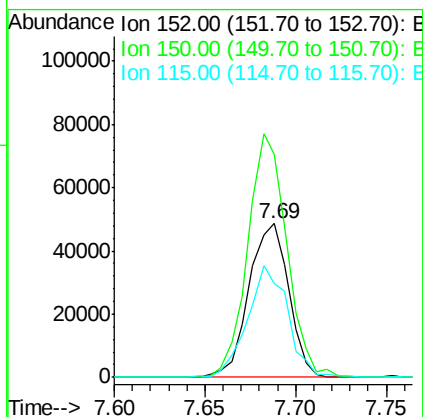
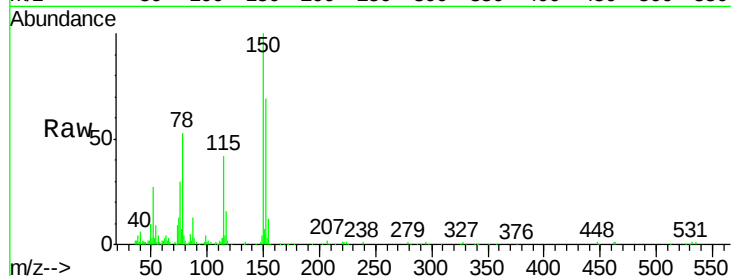


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 851
Delta R.T. 0.00 min
Lab File: BG015958.D
Acq: 27 Jan 2015 23:08

Instrument :
BNA_G
ClientSampleId :
WC012215-SOIL

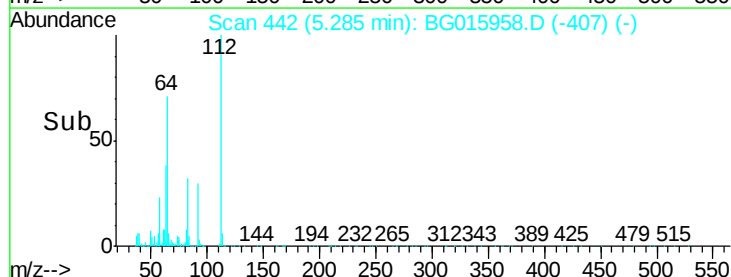
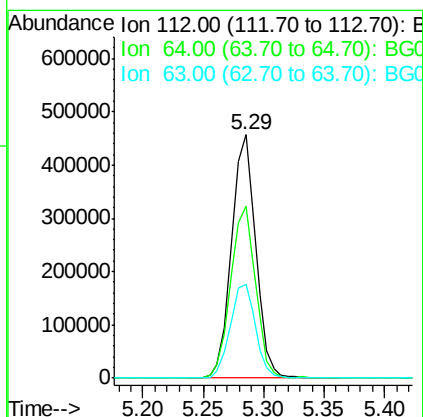
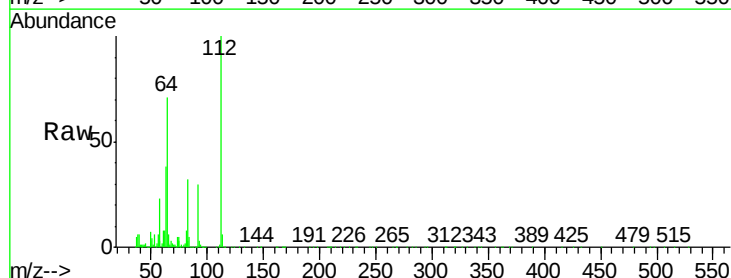
Tgt Ion:152 Resp: 74260
Ion Ratio Lower Upper
152 100
150 145.1 124.5 186.7
115 60.9 60.4 90.6

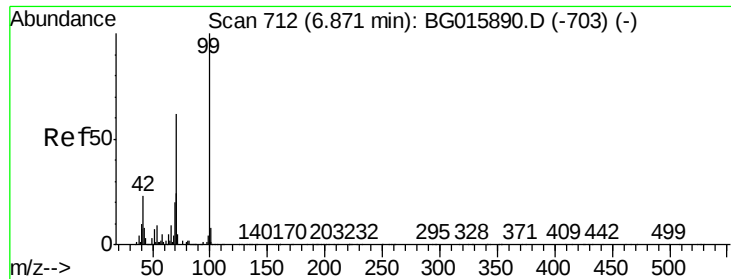


#5

2-Fluorophenol
Concen: 128.43 ng
RT: 5.29 min Scan# 442
Delta R.T. 0.01 min
Lab File: BG015958.D
Acq: 27 Jan 2015 23:08

Tgt Ion:112 Resp: 640440
Ion Ratio Lower Upper
112 100
64 70.6 64.4 96.6
63 38.4 35.1 52.7





#7

Phenol-d6

Concen: 116.20 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

Instrument :

BNA_G

ClientSampleId :

WC012215-SOIL

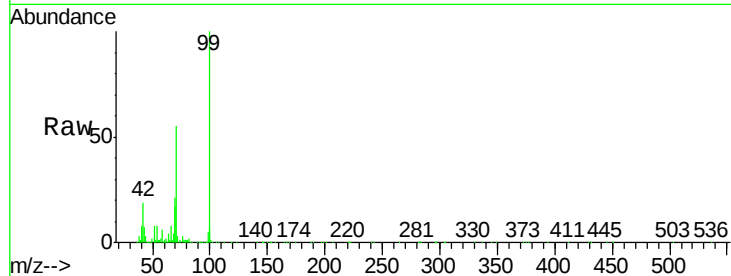
Tgt Ion: 99 Resp: 933774

Ion Ratio Lower Upper

99 100

42 18.5 18.1 27.1

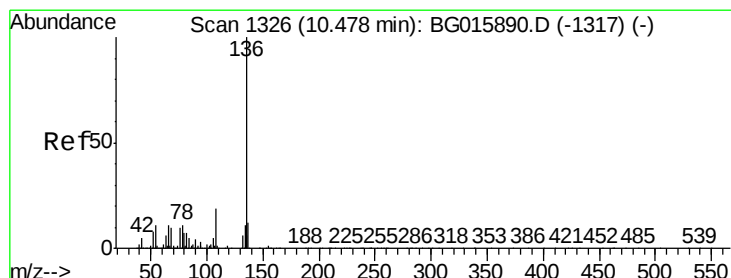
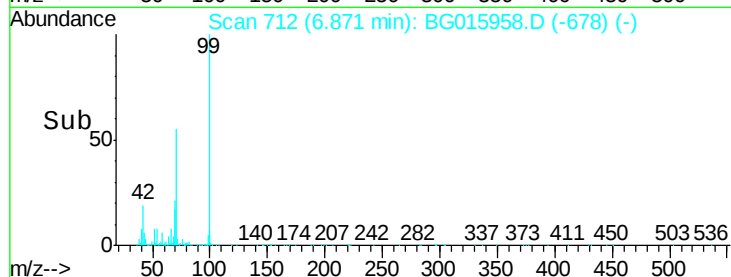
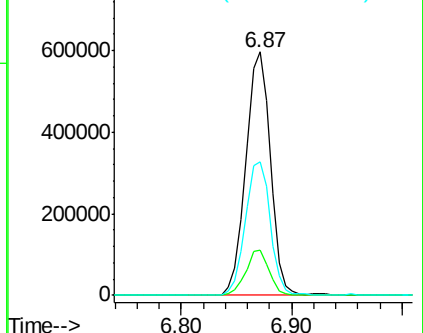
71 54.9 49.8 74.8



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: 10.47 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

Tgt Ion: 136 Resp: 299130

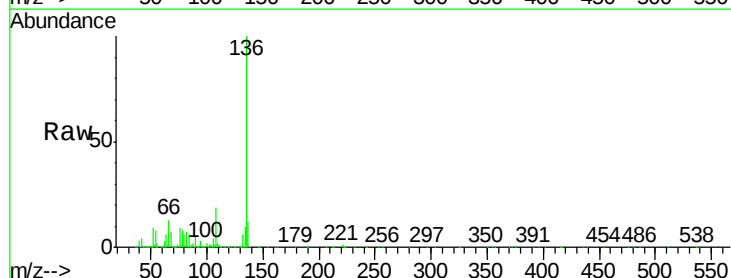
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 7.9 8.5 12.7#

68 7.3 8.0 12.0#

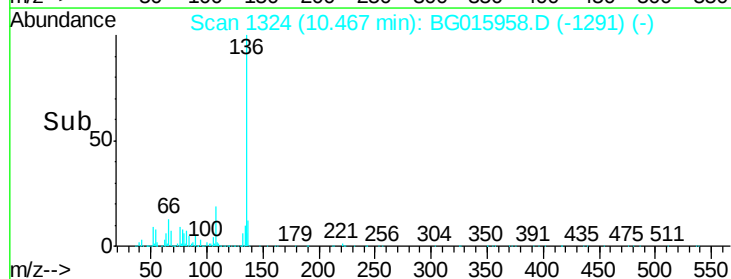
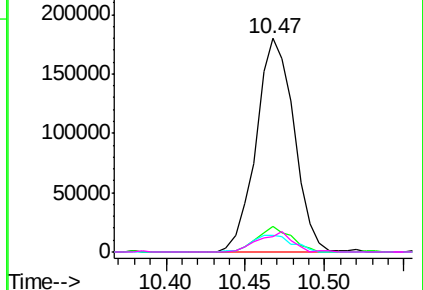


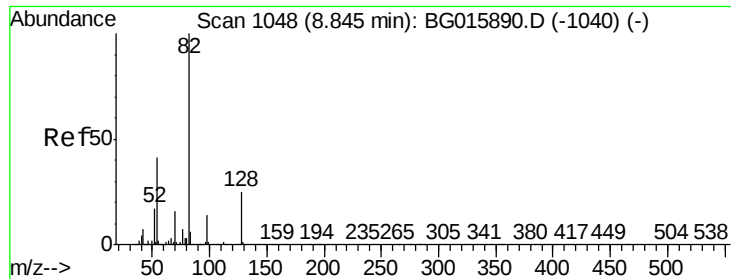
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

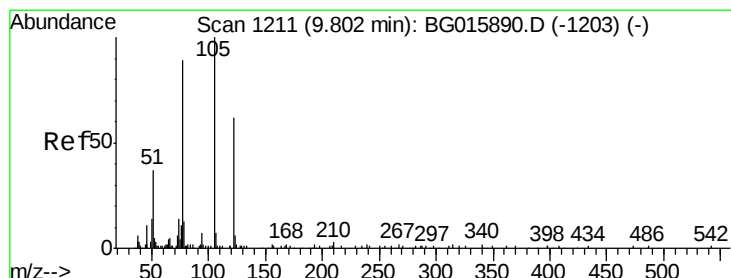
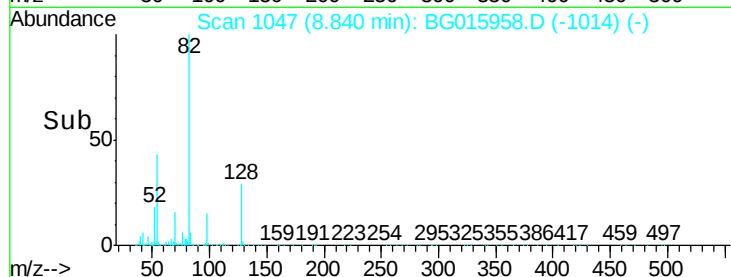
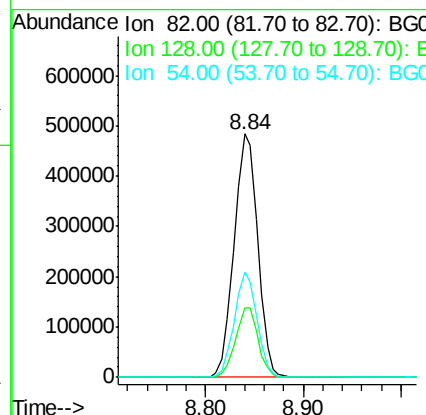
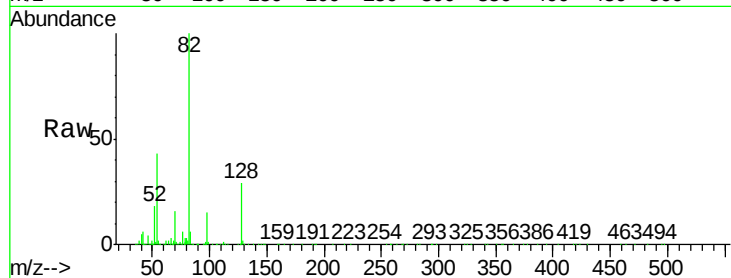




#23
Nitrobenzene-d5
Concen: 78.37 ng
RT: 8.84 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BG015958.D
Acq: 27 Jan 2015 23:08

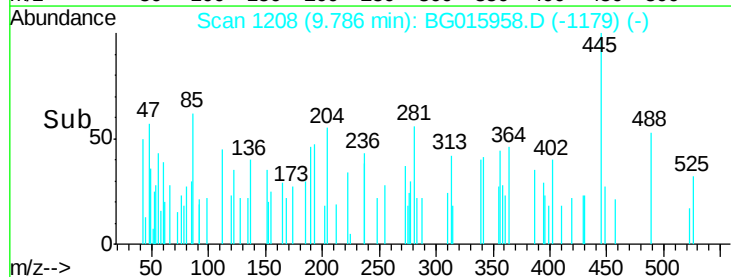
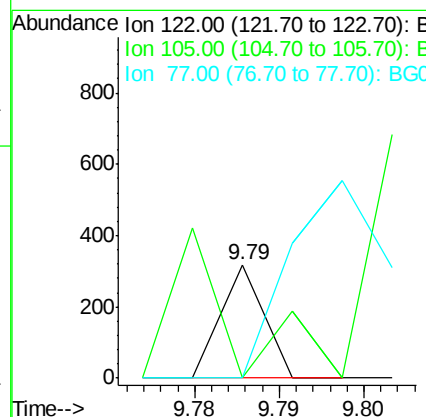
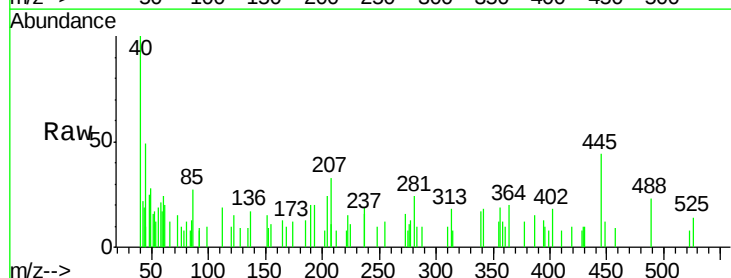
Instrument :
BNA_G
ClientSampleId :
WC012215-SOIL

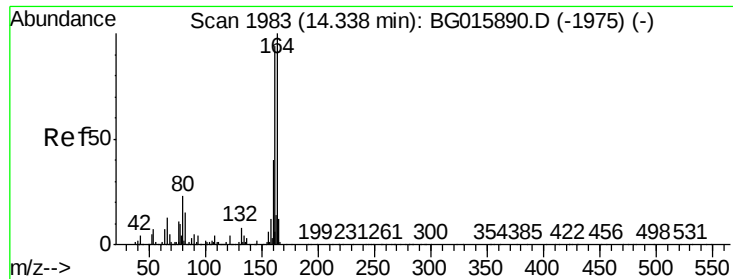
Tgt Ion: 82 Resp: 813258
Ion Ratio Lower Upper
82 100
128 28.7 19.8 29.8
54 43.2 33.0 49.4



#32
Benzoic acid
Concen: 10.33 ng
RT: 9.79 min Scan# 1208
Delta R.T. -0.03 min
Lab File: BG015958.D
Acq: 27 Jan 2015 23:08

Tgt Ion: 122 Resp: 112
Ion Ratio Lower Upper
122 100
105 0.0 140.2 180.2#
77 50.2 126.4 166.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.33 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

Instrument :

BNA_G

ClientSampleId :

WC012215-SOIL

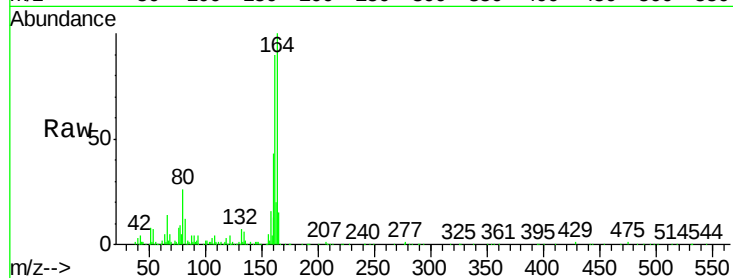
Tgt Ion:164 Resp: 244081

Ion Ratio Lower Upper

164 100

162 89.8 75.1 112.7

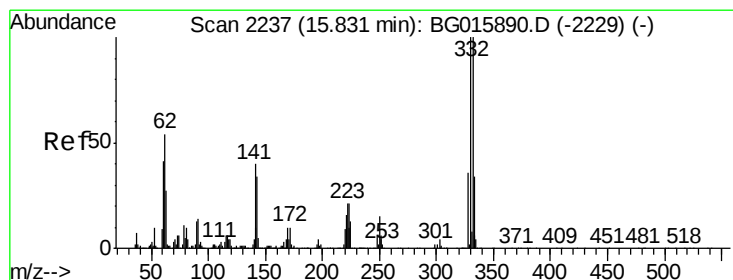
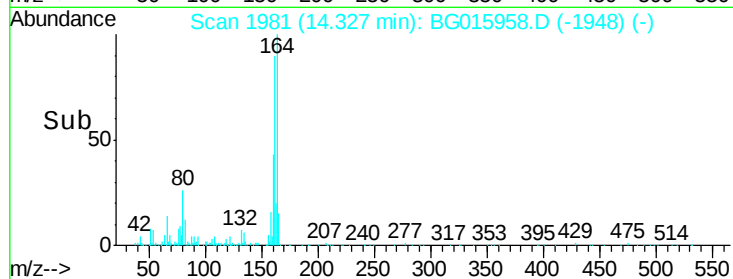
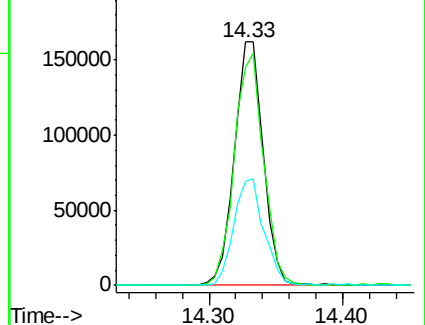
160 42.9 32.3 48.5



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: 151.39 ng

RT: 15.83 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

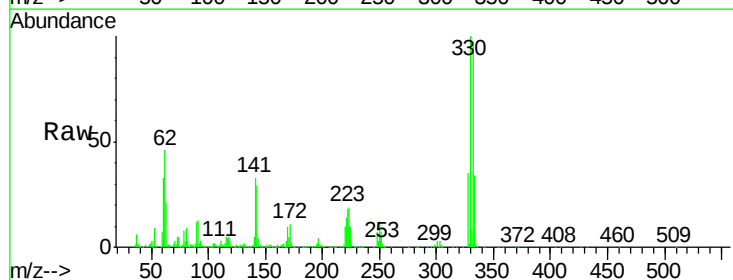
Tgt Ion:330 Resp: 676451

Ion Ratio Lower Upper

330 100

332 95.8 75.4 113.0

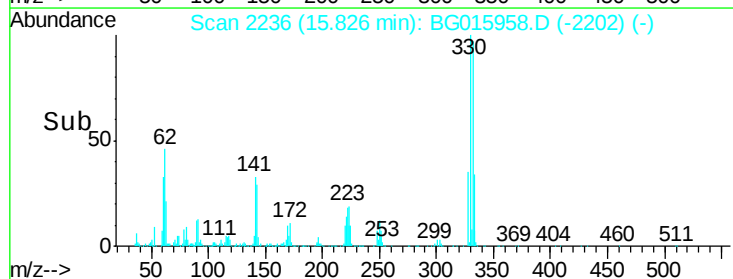
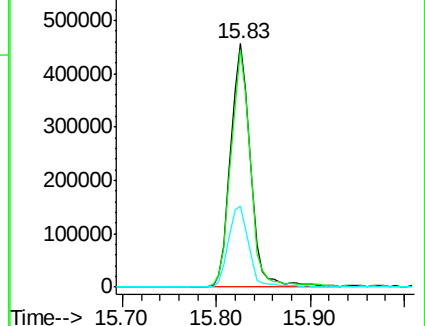
141 34.1 33.0 49.6

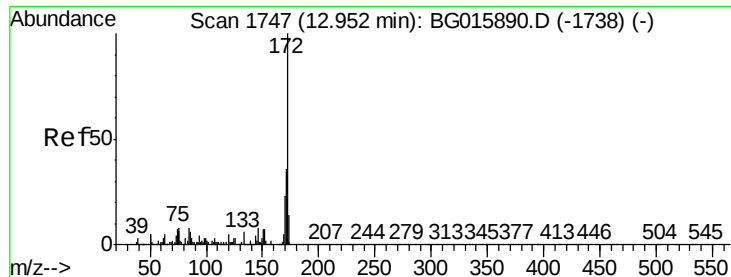


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 101.33 ng

RT: 12.95 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

Instrument :

BNA_G

ClientSampleId :

WC012215-SOIL

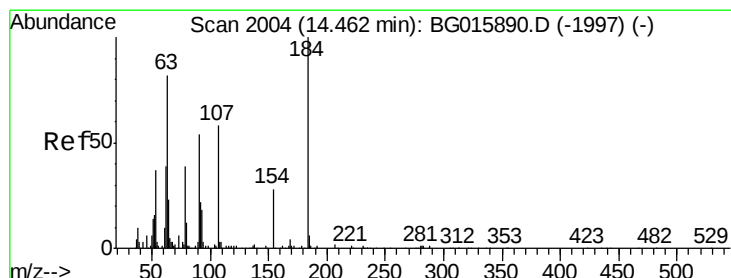
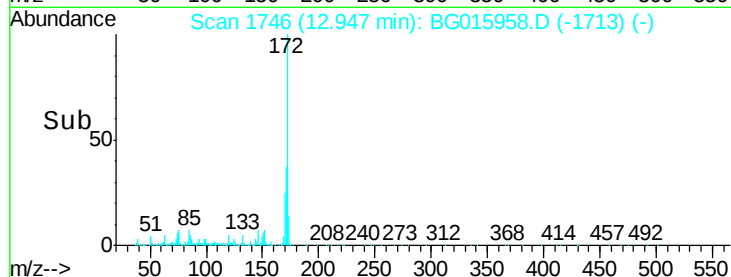
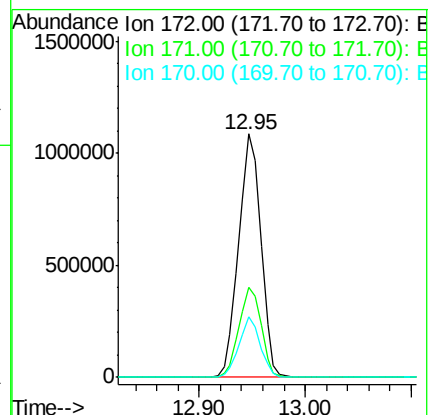
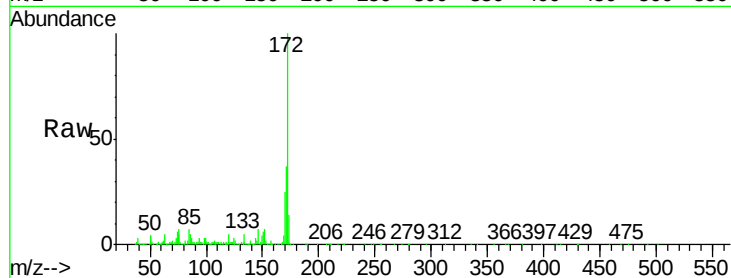
Tgt Ion:172 Resp: 1576313

Ion Ratio Lower Upper

172 100

171 36.9 29.2 43.8

170 24.9 18.6 27.8



#53

2,4-Dinitrophenol

Concen: 4.56 ng

RT: 14.40 min Scan# 1993

Delta R.T. -0.06 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

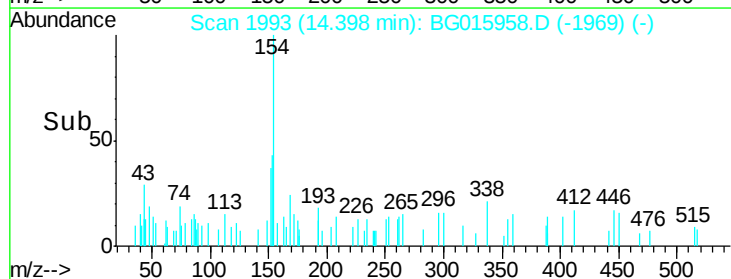
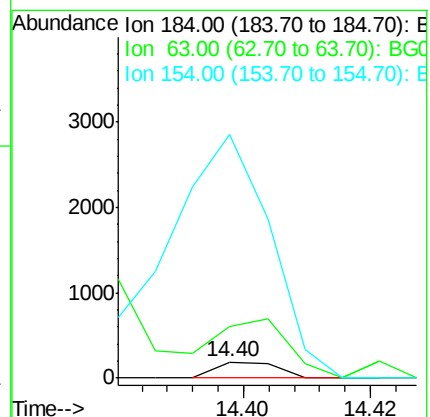
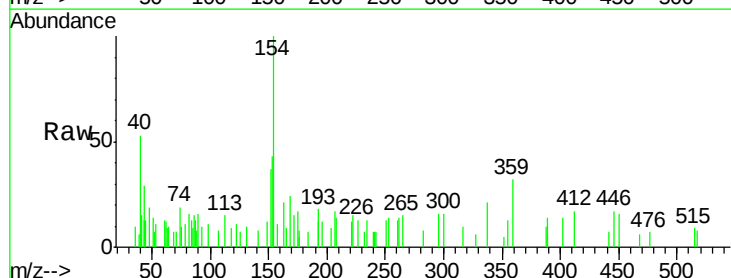
Tgt Ion:184 Resp: 126

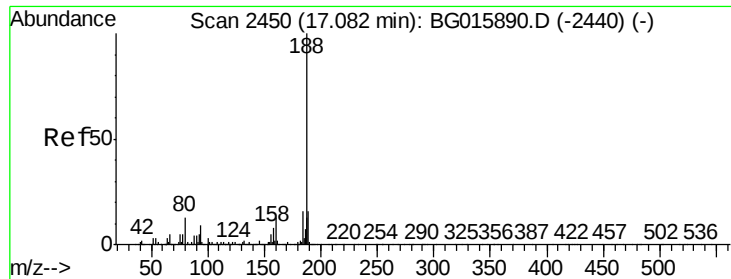
Ion Ratio Lower Upper

184 100

63 312.5 68.6 103.0#

154 1486.5 54.9 82.3#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.08 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

Instrument :

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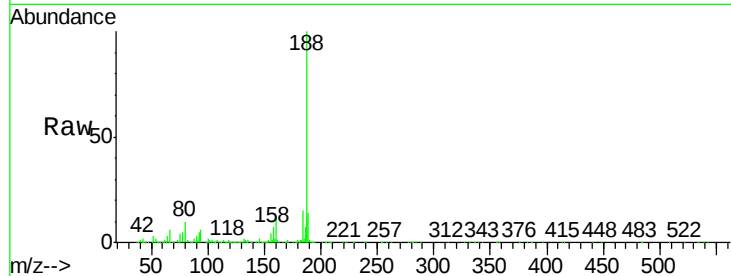
Tgt Ion:188 Resp: 721120

Ion Ratio Lower Upper

188 100

94 6.4 7.8 11.8#

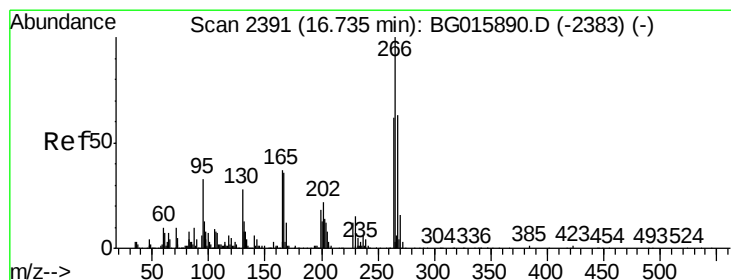
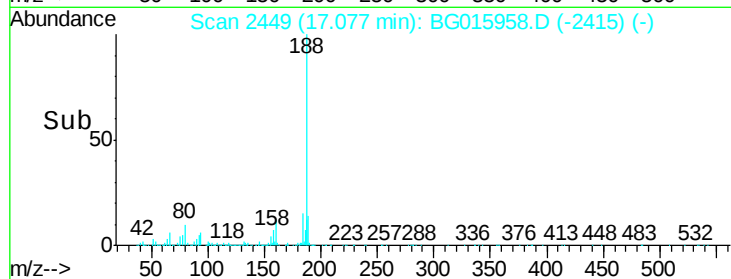
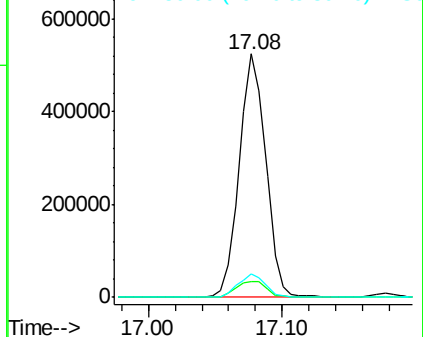
80 9.7 10.6 16.0#



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



#69

Pentachlorophenol

Concen: 5.40 ng

RT: 16.74 min Scan# 2392

Delta R.T. 0.01 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

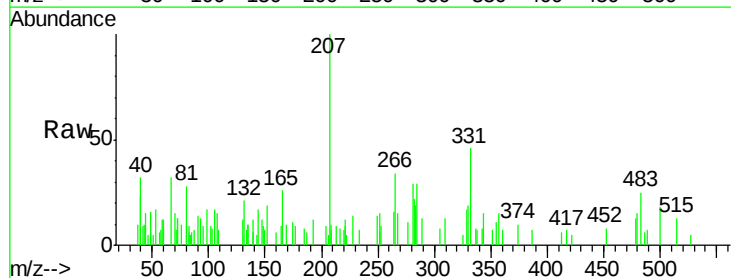
Tgt Ion:266 Resp: 837

Ion Ratio Lower Upper

266 100

268 43.4 53.5 80.3#

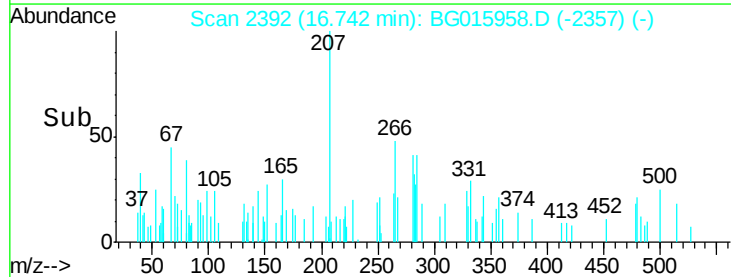
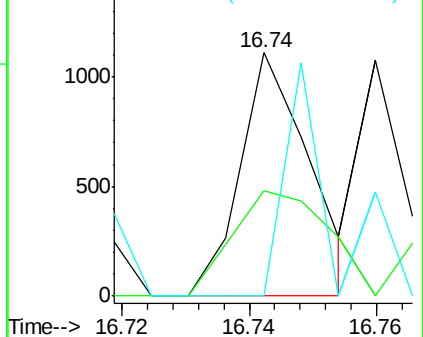
264 0.0 51.9 77.9#

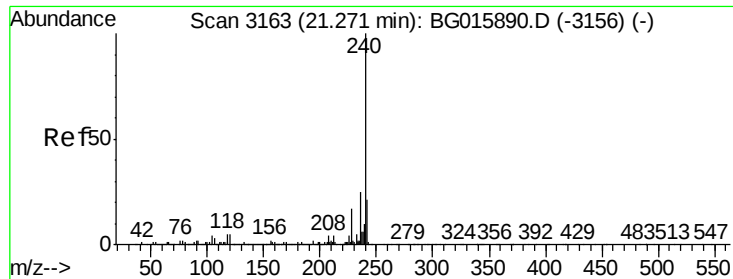


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.27 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG015958.D

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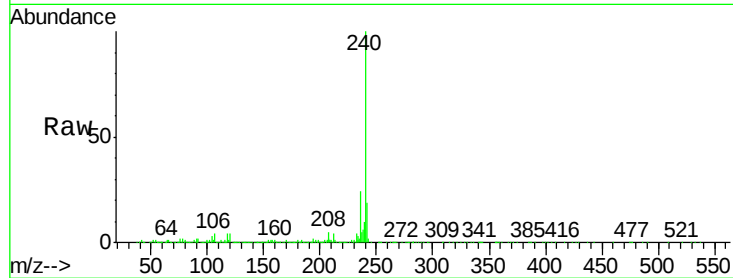
Tgt Ion:240 Resp: 1014415

Ion Ratio Lower Upper

240 100

120 3.5 3.9 5.9#

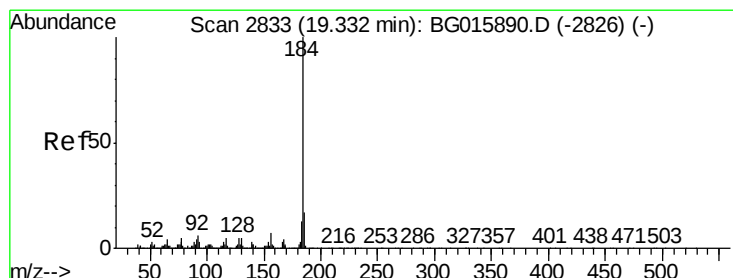
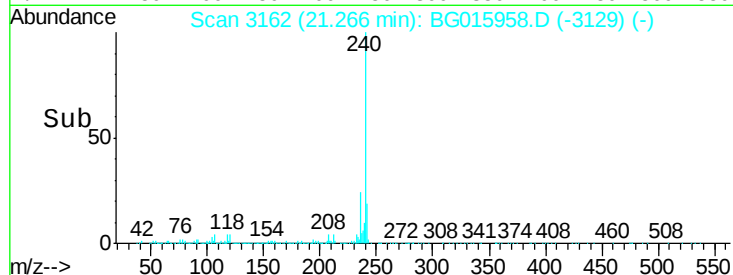
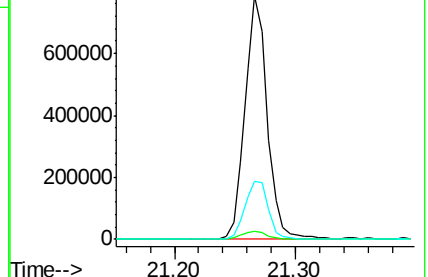
236 23.8 20.0 30.0



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: 2.00 ng

RT: 19.30 min Scan# 2828

Delta R.T. -0.03 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

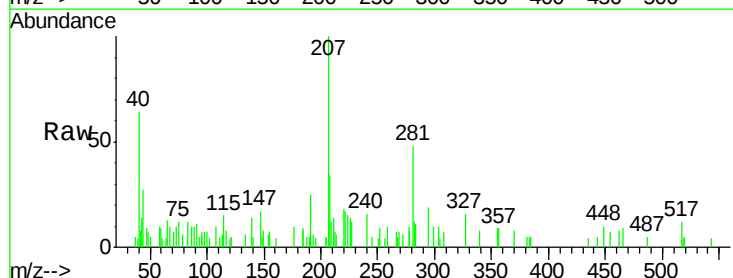
Tgt Ion:184 Resp: 353

Ion Ratio Lower Upper

184 100

185 0.0 13.3 19.9#

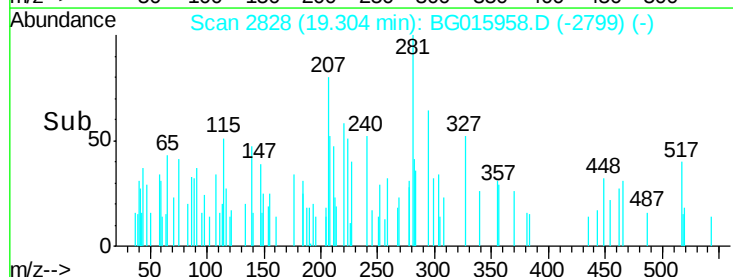
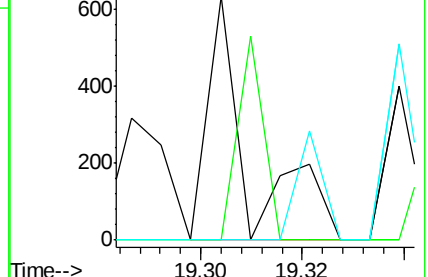
183 0.0 10.1 15.1#

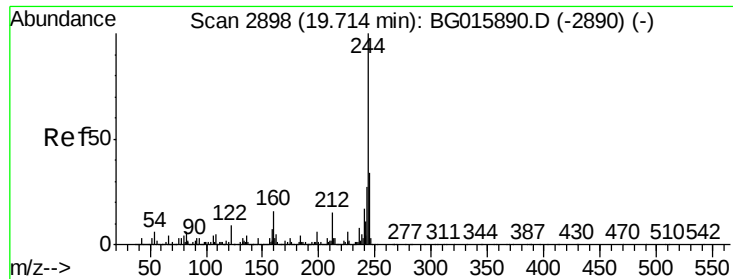


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.94 ng

RT: 19.72 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

Instrument :

BNA_G

ClientSampleId :

WC012215-SOIL

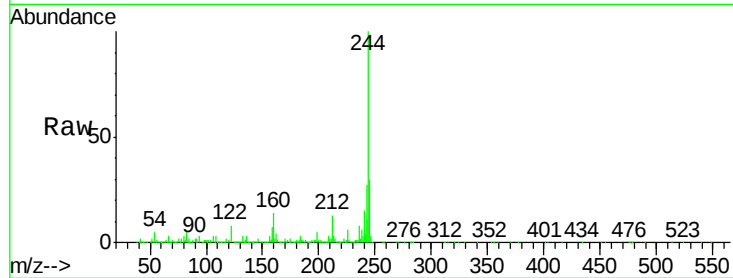
Tgt Ion:244 Resp: 3341095

Ion Ratio Lower Upper

244 100

212 12.9 11.6 17.4

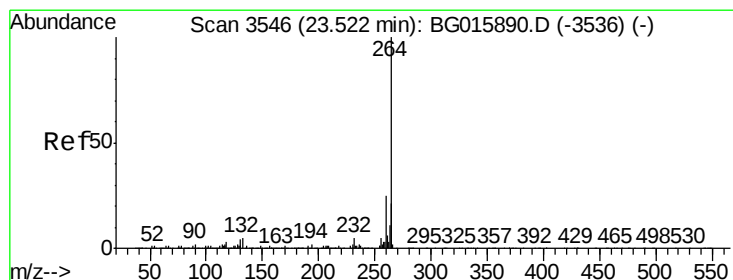
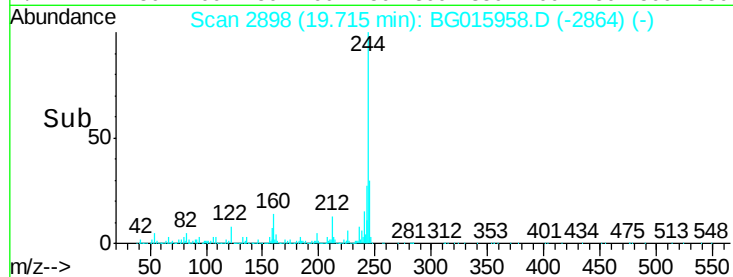
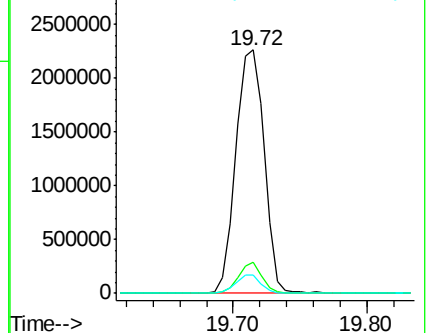
122 7.6 7.0 10.4



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: 20.00 ng

RT: 23.53 min Scan# 3547

Delta R.T. 0.01 min

Lab File: BG015958.D

Acq: 27 Jan 2015 23:08

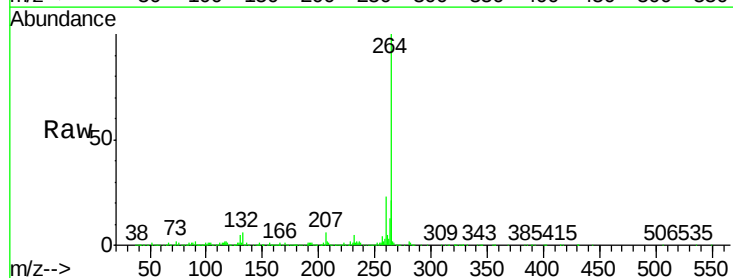
Tgt Ion:264 Resp: 891964

Ion Ratio Lower Upper

264 100

260 22.7 19.7 29.5

265 21.0 17.3 25.9



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

