

Data Path : S:\HPCHEM1\BNA_G\DATA\BG010615\
 Data File : BG015861.D
 Acq On : 6 Jan 2015 15:14
 Operator : TP/IZ
 Sample : G1001-03
 Misc : LOD-SOIL-8PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jan 07 01:41:16 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG010515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 07 00:25:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	26549	20.00	ng	0.00
21) Naphthalene-d8	10.52	136	93937	20.00	ng	0.00
38) Acenaphthene-d10	14.36	164	73811	20.00	ng	0.00
63) Phenanthrene-d10	17.11	188	181653	20.00	ng	0.00
75) Chrysene-d12	21.29	240	296121	20.00	ng	0.00
86) Perylene-d12	23.56	264	282157	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	192944	62.50	ng	0.00
7) Phenol-d6	6.91	99	271889	63.24	ng	0.00
23) Nitrobenzene-d5	8.88	82	190738	39.84	ng	0.00
41) 2,4,6-Tribromophenol	15.86	330	174930	62.35	ng	0.00
44) 2-Fluorobiphenyl	12.99	172	414085	40.07	ng	0.00
78) Terphenyl-d14	19.74	244	1063707	40.14	ng	0.00

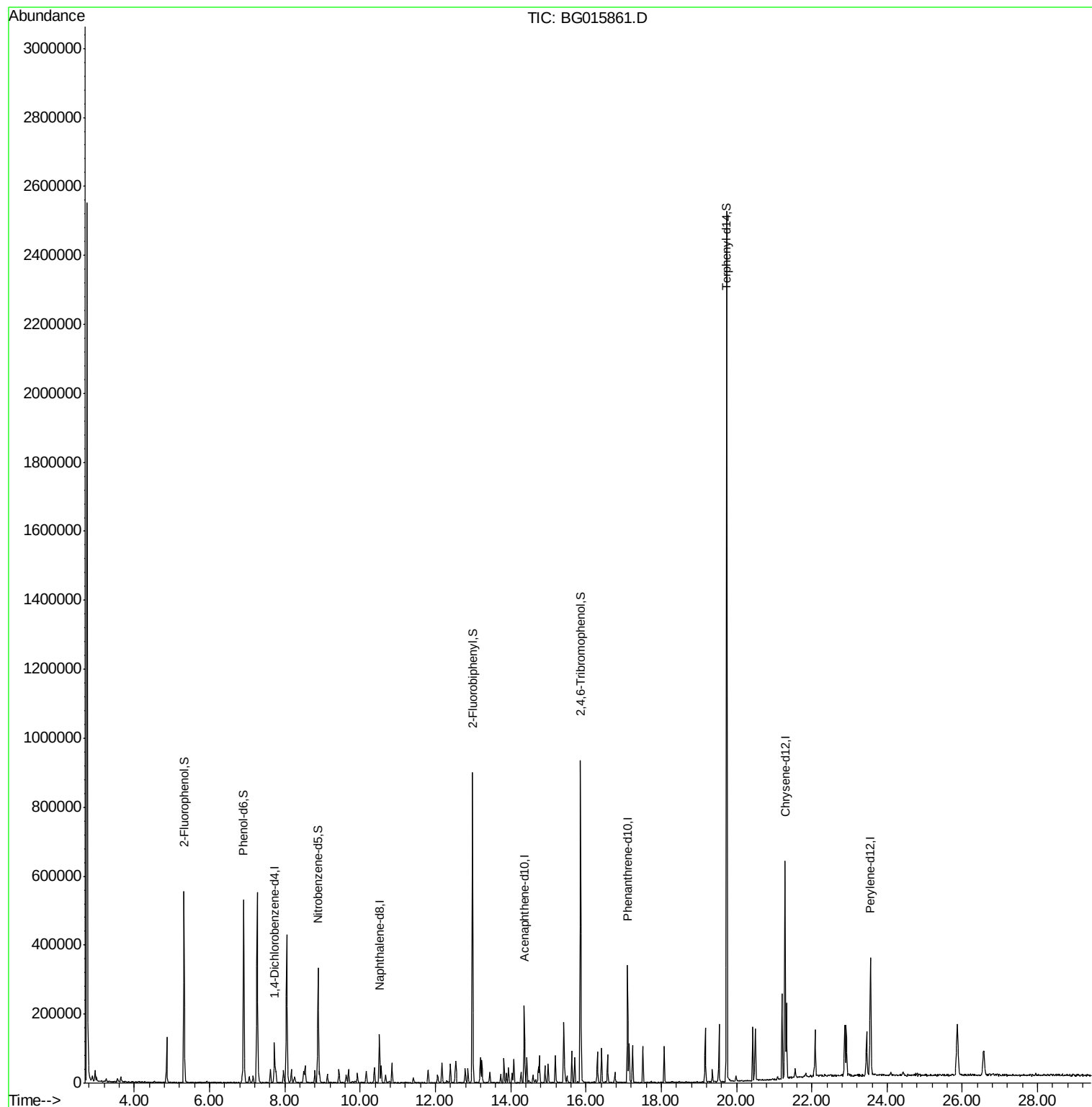
Target Compounds	Qvalue
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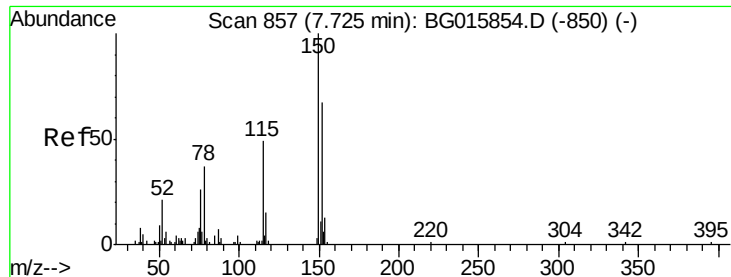
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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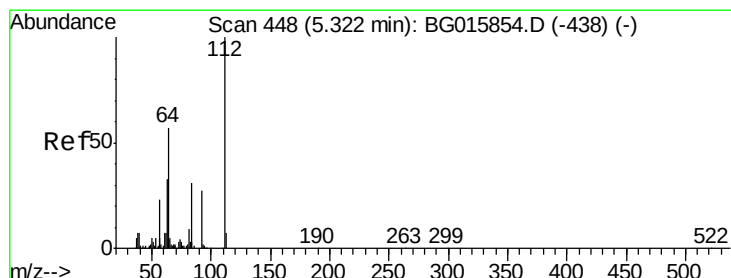
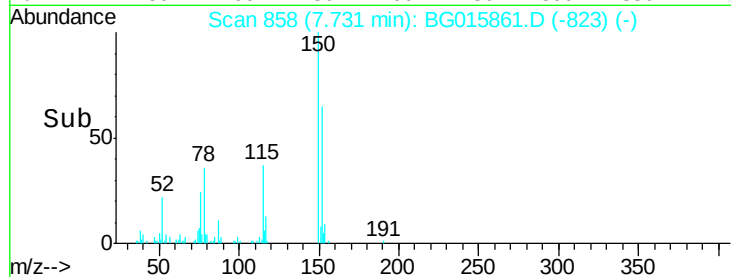
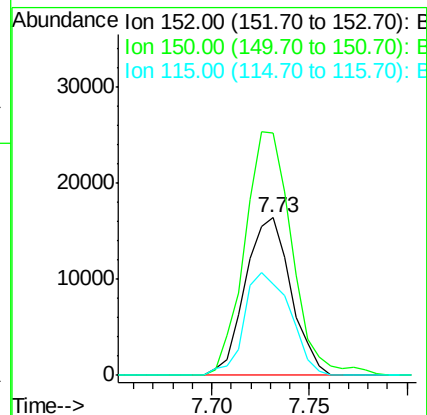
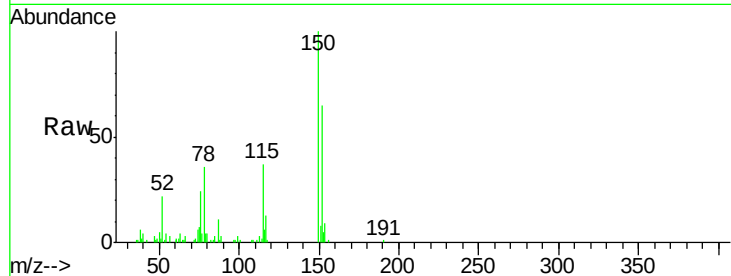


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.73 min Scan# 858
Delta R.T. 0.01 min
Lab File: BG015861.D
Acq: 6 Jan 2015 15:14

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

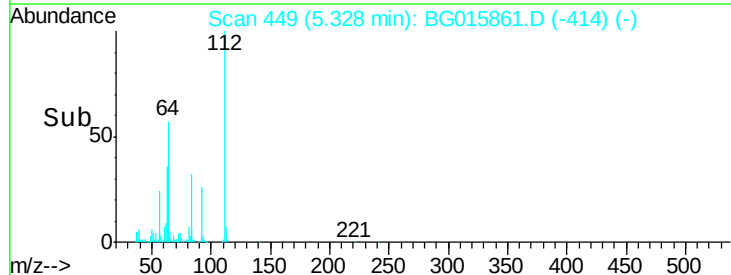
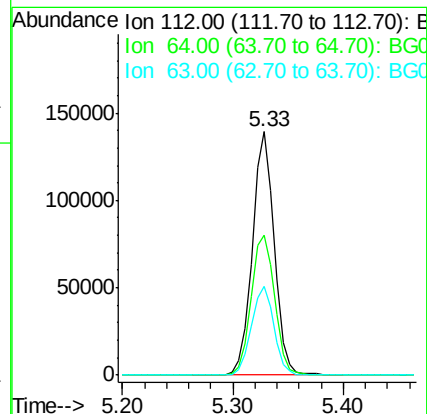
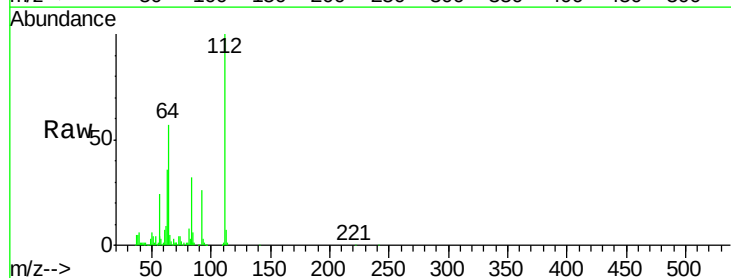
Tgt Ion:152 Resp: 26549
Ion Ratio Lower Upper
152 100
150 153.9 120.5 180.7
115 57.5 54.0 81.0

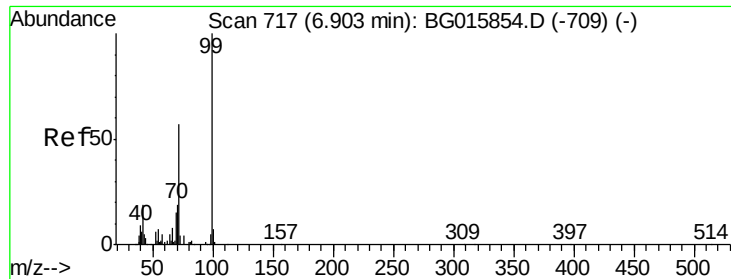


#5

2-Fluorophenol
Concen: 62.50 ng
RT: 5.33 min Scan# 449
Delta R.T. 0.01 min
Lab File: BG015861.D
Acq: 6 Jan 2015 15:14

Tgt Ion:112 Resp: 192944
Ion Ratio Lower Upper
112 100
64 57.4 46.8 70.2
63 36.2 30.6 45.8





#7

Phenol-d6

Concen: 63.24 ng

RT: 6.91 min Scan# 718

Delta R.T. 0.01 min

Lab File: BG015861.D

Acq: 6 Jan 2015 15:14

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

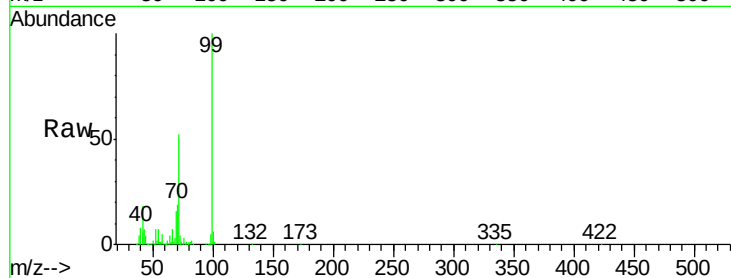
Tgt Ion: 99 Resp: 271889

Ion Ratio Lower Upper

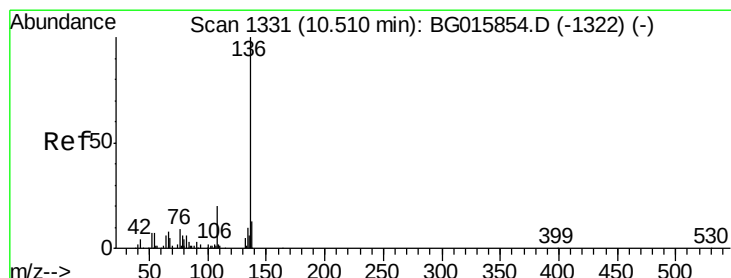
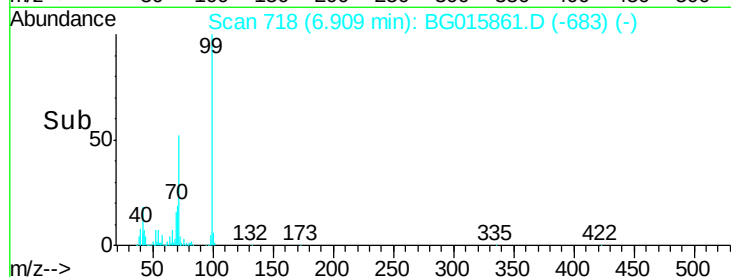
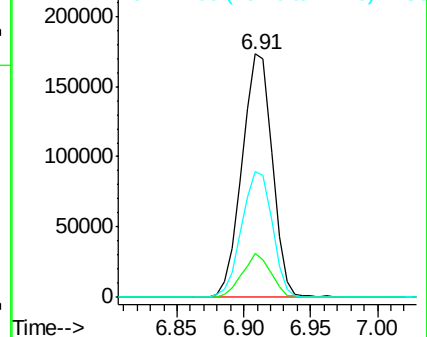
99 100

42 18.0 13.8 20.8

71 51.7 42.8 64.2



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: 10.52 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BG015861.D

Acq: 6 Jan 2015 15:14

Tgt Ion: 136 Resp: 93937

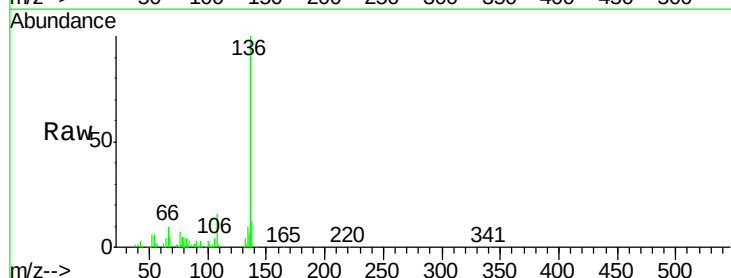
Ion Ratio Lower Upper

136 100

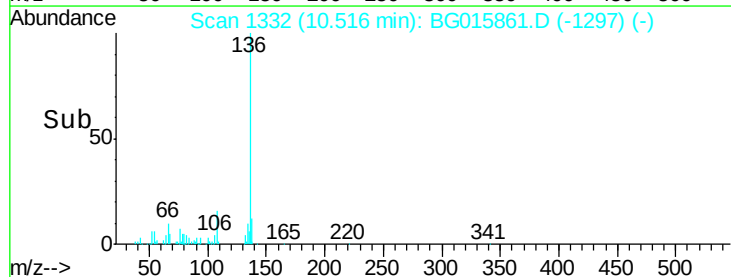
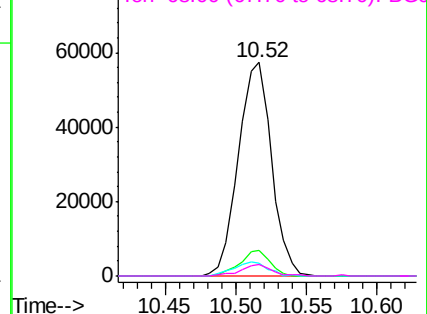
137 12.0 9.6 14.4

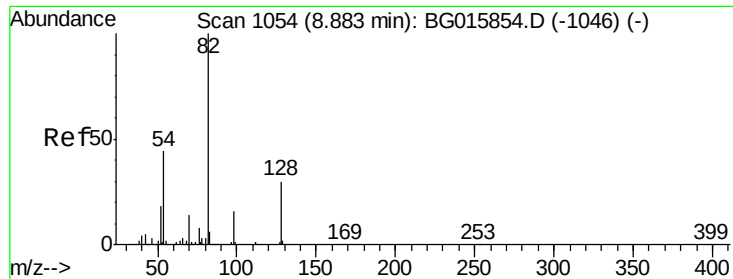
54 6.3 4.5 6.7

68 5.3 5.0 7.4



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: 39.84 ng

RT: 8.88 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BG015861.D

Acq: 6 Jan 2015 15:14

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

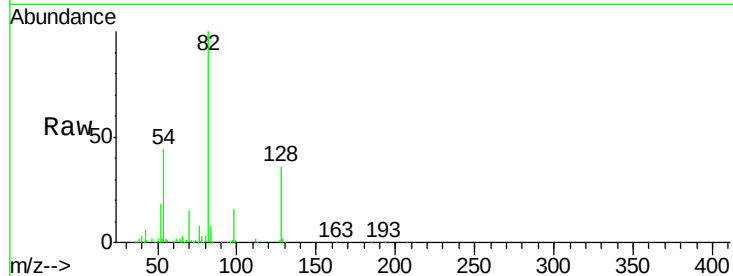
Tgt Ion: 82 Resp: 190738

Ion Ratio Lower Upper

82 100

128 36.2 23.4 35.0#

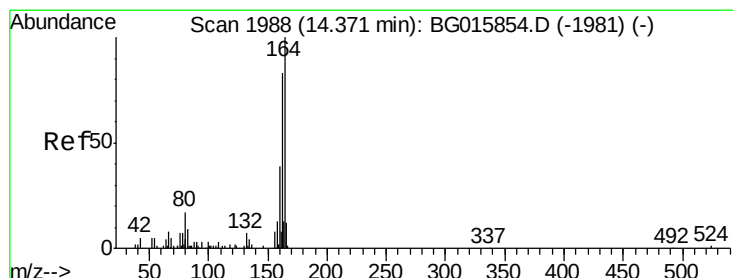
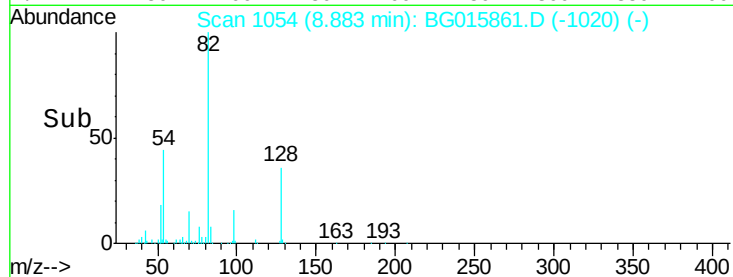
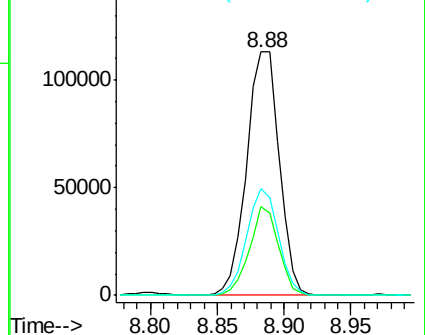
54 43.6 32.3 48.5



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.36 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BG015861.D

Acq: 6 Jan 2015 15:14

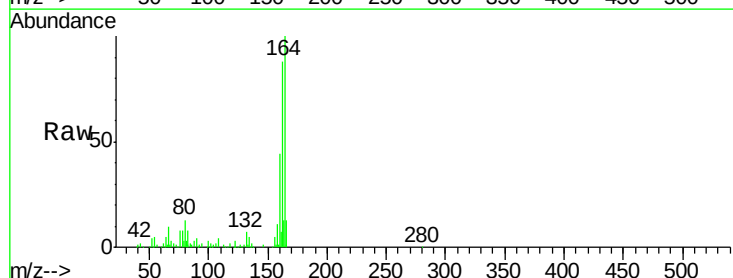
Tgt Ion: 164 Resp: 73811

Ion Ratio Lower Upper

164 100

162 87.9 75.5 113.3

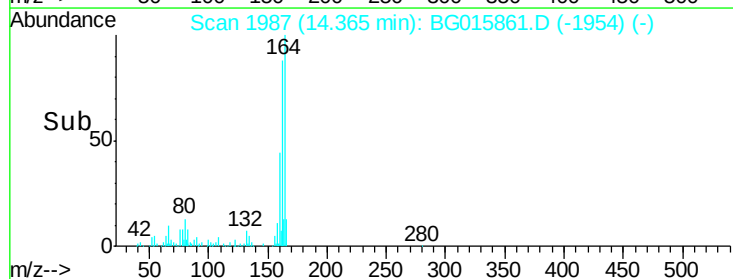
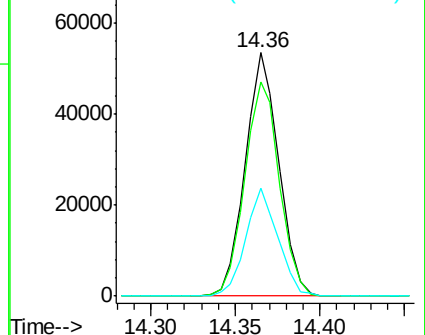
160 44.3 37.4 56.0

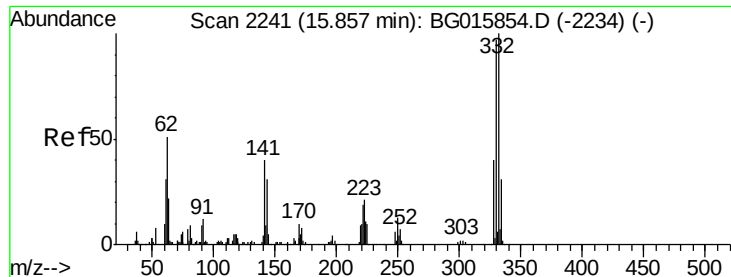


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 62.35 ng

RT: 15.86 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BG015861.D

Acq: 6 Jan 2015 15:14

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

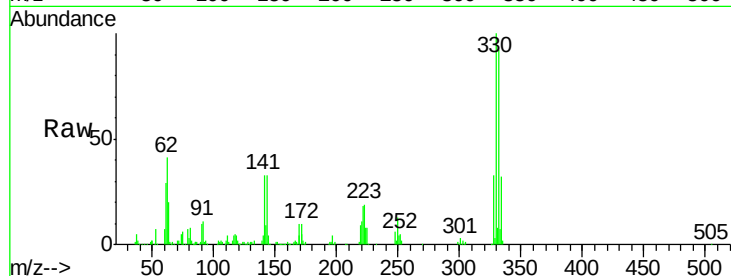
Tgt Ion:330 Resp: 174930

Ion Ratio Lower Upper

330 100

332 98.0 73.8 110.8

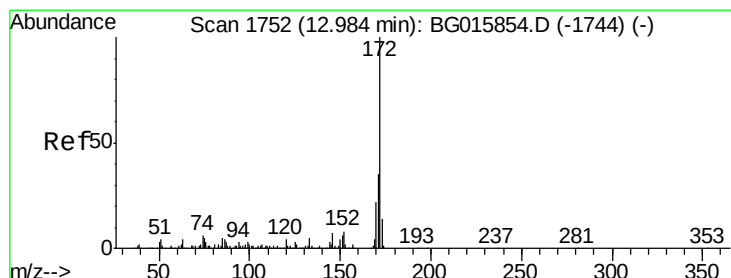
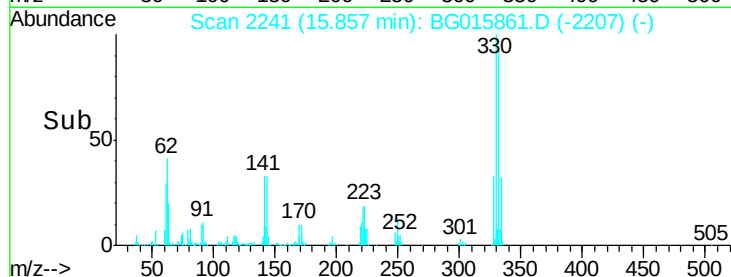
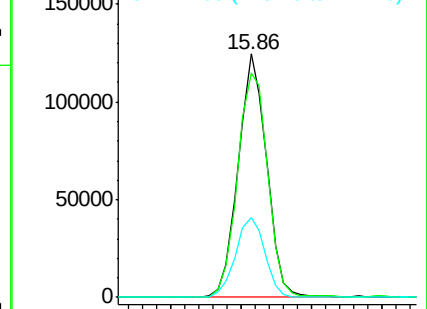
141 33.9 27.2 40.8



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: 40.07 ng

RT: 12.99 min Scan# 1753

Delta R.T. 0.01 min

Lab File: BG015861.D

Acq: 6 Jan 2015 15:14

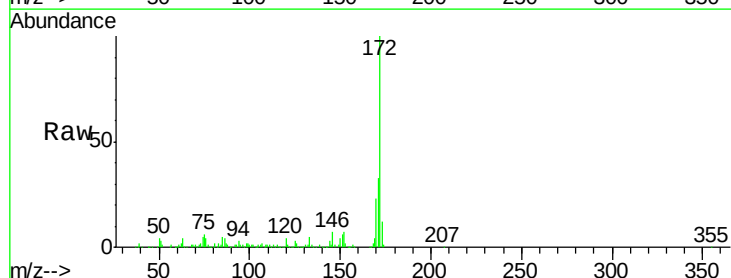
Tgt Ion:172 Resp: 414085

Ion Ratio Lower Upper

172 100

171 32.8 28.6 43.0

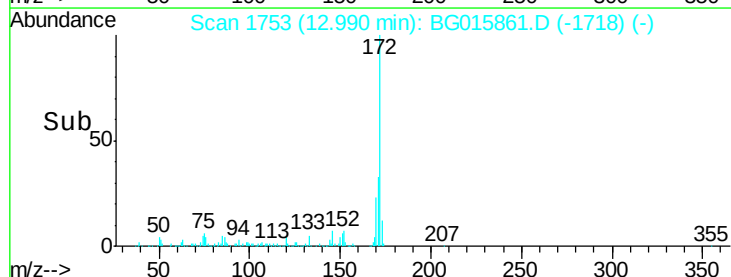
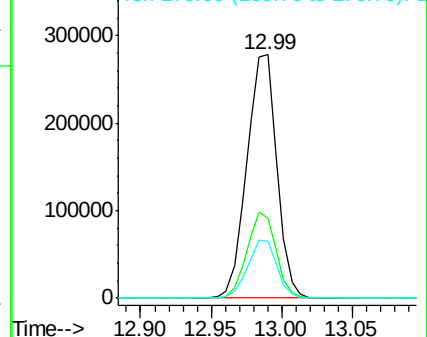
170 23.4 18.2 27.4

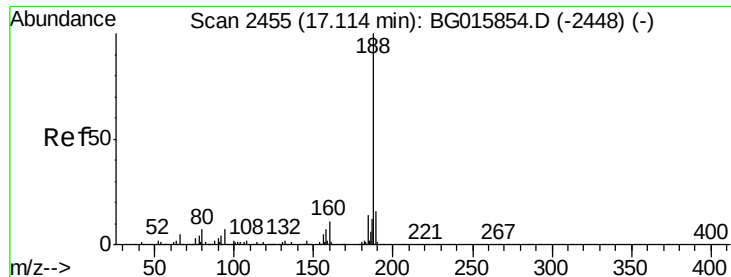


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.11 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BG015861.D

Acq: 6 Jan 2015 15:14

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

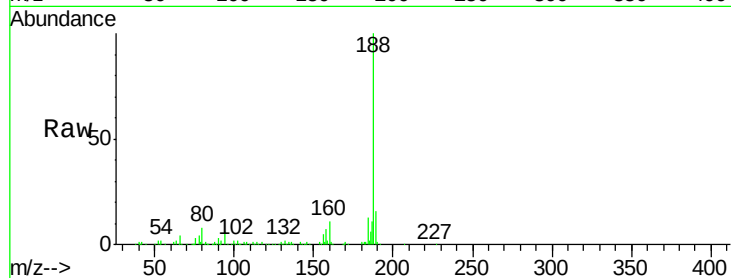
Tgt Ion:188 Resp: 181653

Ion Ratio Lower Upper

188 100

94 5.7 5.4 8.0

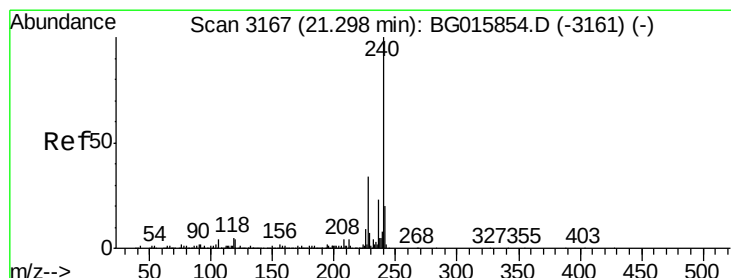
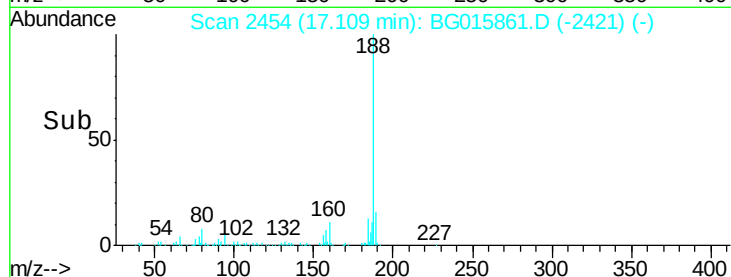
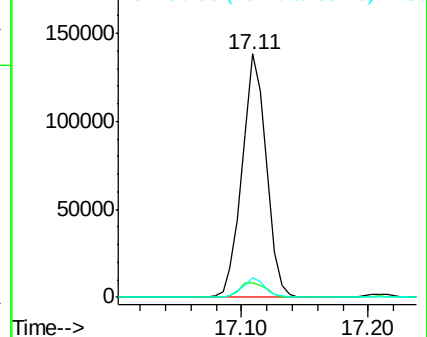
80 7.8 6.6 9.8



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.29 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG015861.D

Acq: 6 Jan 2015 15:14

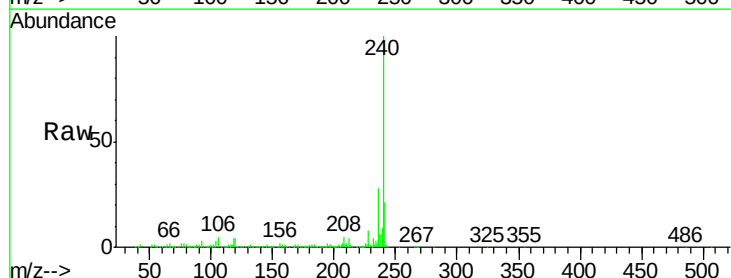
Tgt Ion:240 Resp: 296121

Ion Ratio Lower Upper

240 100

120 3.7 3.4 5.2

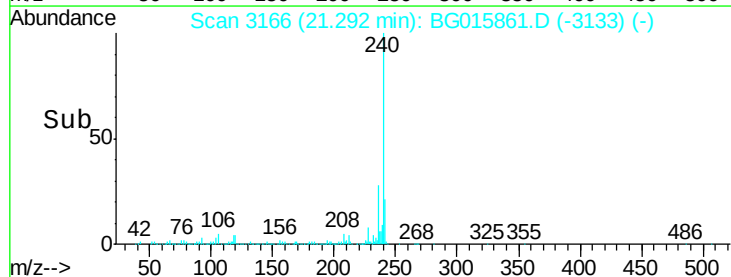
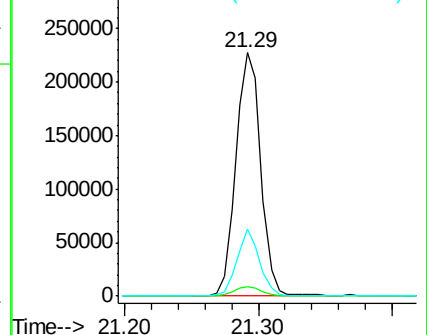
236 27.5 19.0 28.6

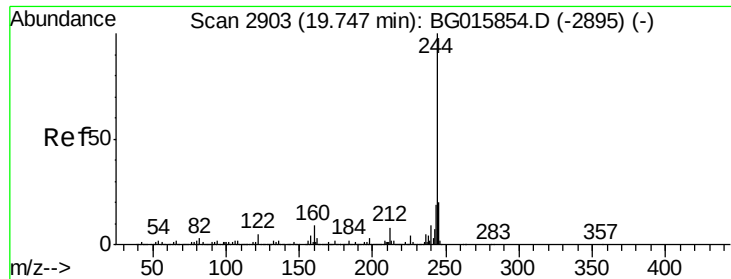


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 40.14 ng

RT: 19.74 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG015861.D

Acq: 6 Jan 2015 15:14

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

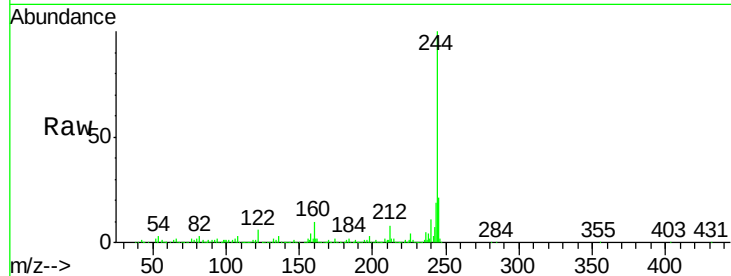
Tgt Ion:244 Resp: 1063707

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

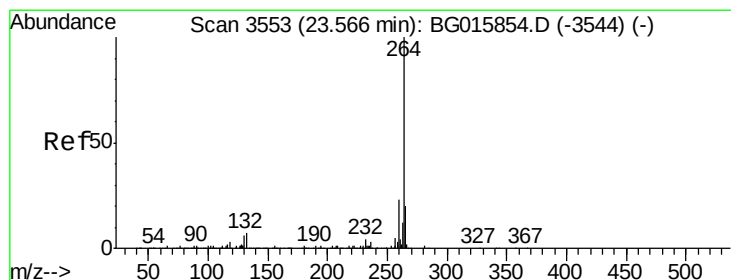
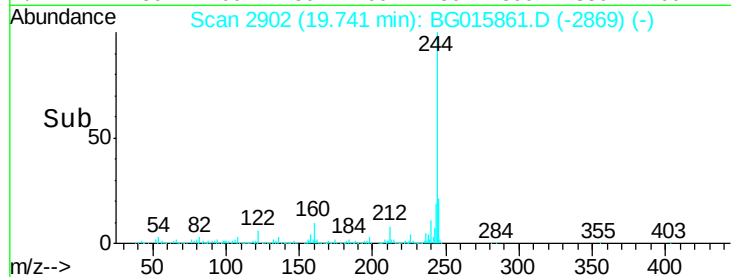
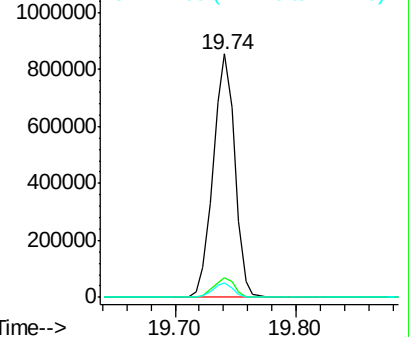
122 6.2 4.7 7.1



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: 23.56 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BG015861.D

Acq: 6 Jan 2015 15:14

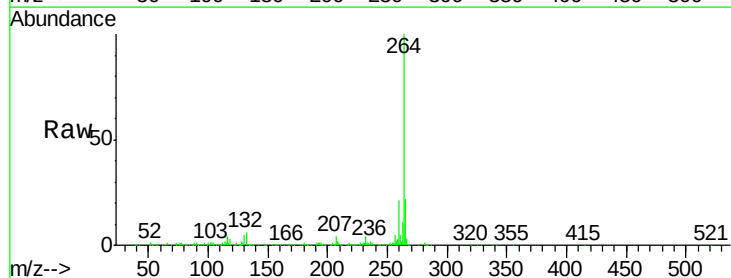
Tgt Ion:264 Resp: 282157

Ion Ratio Lower Upper

264 100

260 20.9 17.0 25.4

265 21.7 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

