

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062215\
 Data File : BG017747.D
 Acq On : 22 Jun 2015 16:17
 Operator : TP/IZ
 Sample : G2653-03
 Misc : LOD-SVOC-SOIL-1PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jun 23 02:14:31 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG061815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 06:05:07 2015
 Response via : Initial Calibration

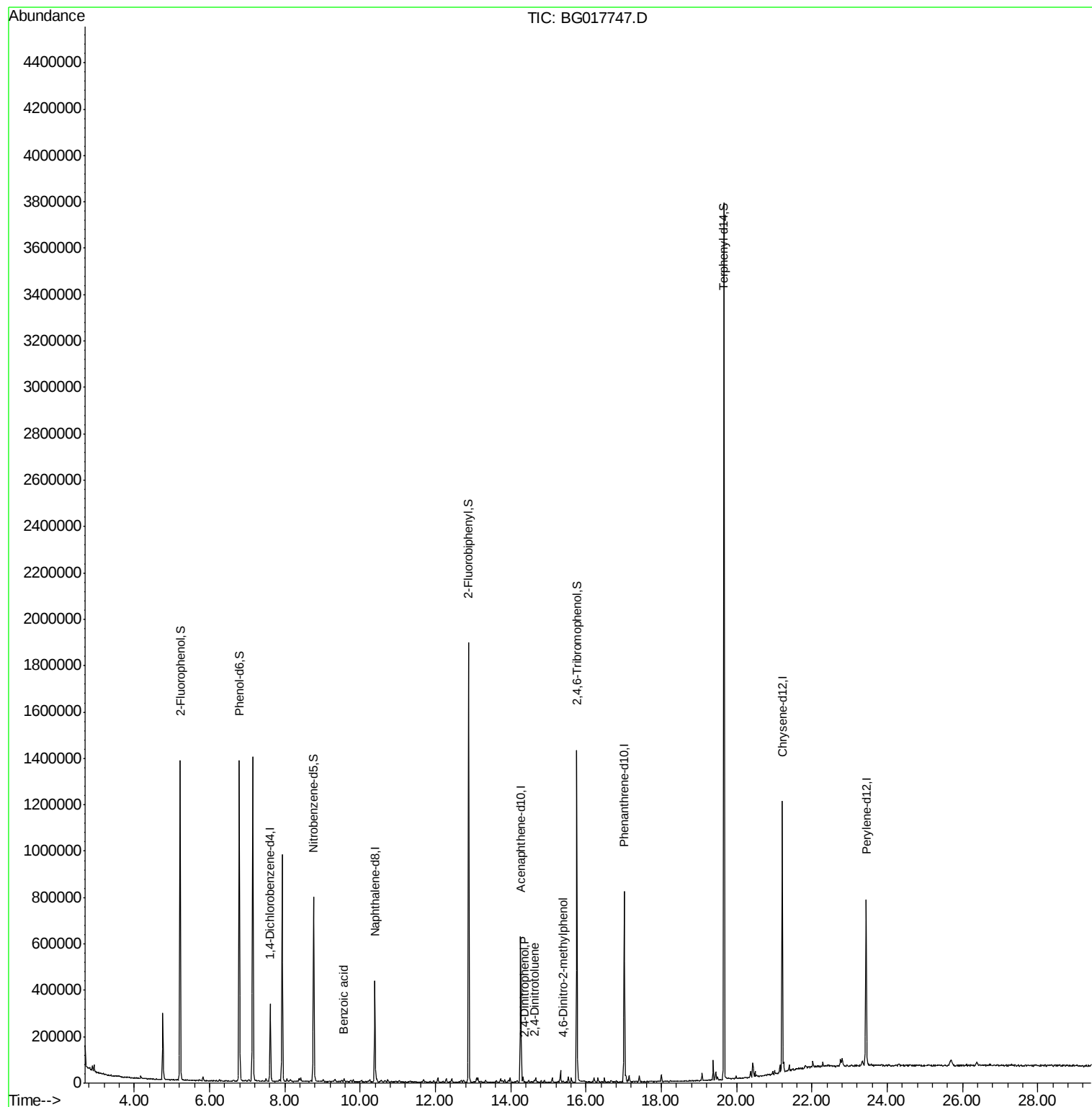
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	74439	20.00	ng	0.00
21) Naphthalene-d8	10.39	136	325202	20.00	ng	-0.01
38) Acenaphthene-d10	14.26	164	195018	20.00	ng	-0.01
63) Phenanthrene-d10	17.01	188	442569	20.00	ng	-0.02
75) Chrysene-d12	21.21	240	471383	20.00	ng	-0.02
86) Perylene-d12	23.44	264	434124	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	514219	121.23	ng	0.00
7) Phenol-d6	6.79	99	688757	115.53	ng	-0.01
23) Nitrobenzene-d5	8.76	82	422652	74.76	ng	-0.01
41) 2,4,6-Tribromophenol	15.76	330	190123	105.14	ng	-0.01
44) 2-Fluorobiphenyl	12.88	172	845072	70.38	ng	-0.02
78) Terphenyl-d14	19.66	244	1393335	67.16	ng	-0.02
Target Compounds						
32) Benzoic acid	9.57	122	3280	8.73	ng	# 10
53) 2,4-Dinitrophenol	14.38	184	185	7.31	ng	# 63
56) 2,4-Dinitrotoluene	14.63	165	1962	3.35	ng	# 82
64) 4,6-Dinitro-2-methylphenol	15.39	198	760	7.45	ng	88

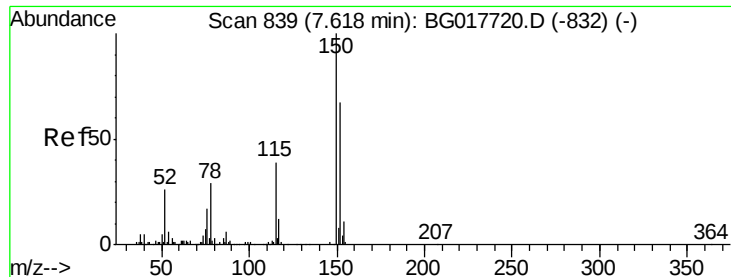
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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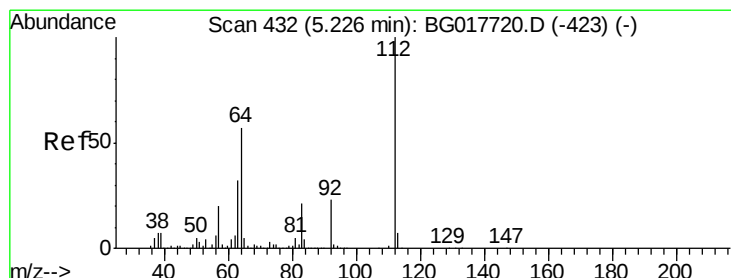
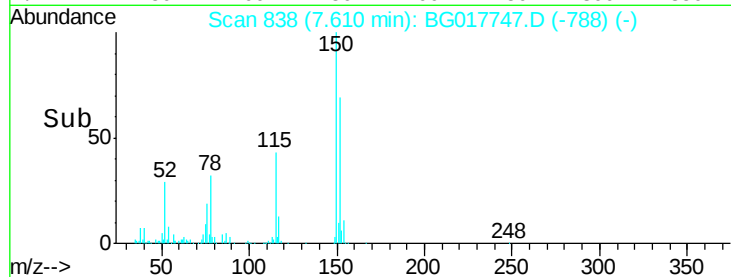
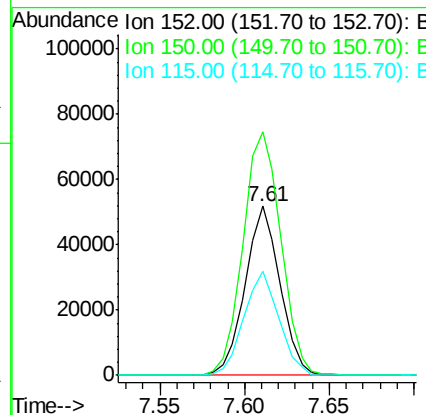
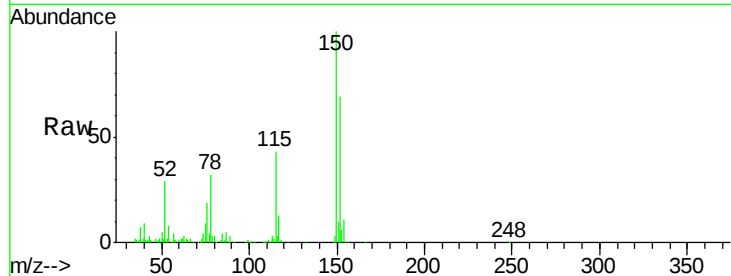


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 838
Delta R.T. -0.01 min
Lab File: BG017747.D
Acq: 22 Jun 2015 16:17

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

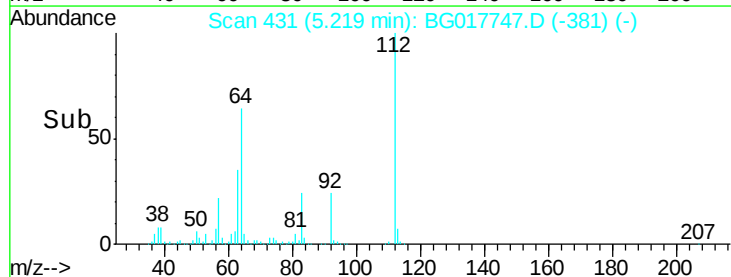
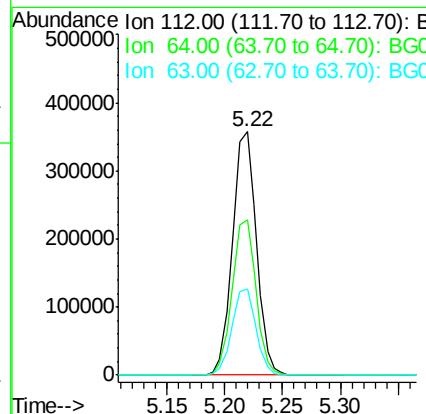
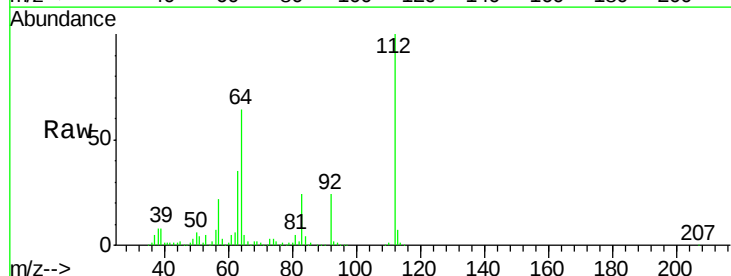
Tgt Ion:152 Resp: 74439
Ion Ratio Lower Upper
152 100
150 144.1 119.1 178.7
115 61.9 47.0 70.4

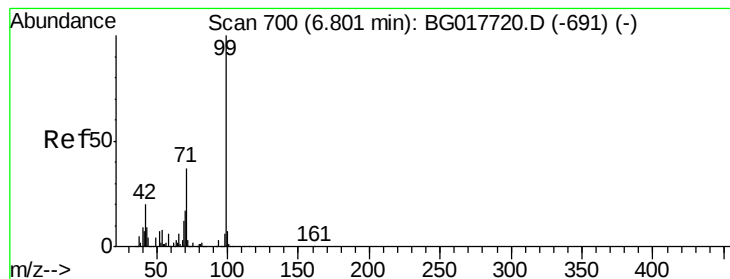


#5

2-Fluorophenol
Concen: 121.23 ng
RT: 5.22 min Scan# 431
Delta R.T. -0.01 min
Lab File: BG017747.D
Acq: 22 Jun 2015 16:17

Tgt Ion:112 Resp: 514219
Ion Ratio Lower Upper
112 100
64 63.7 45.4 68.0
63 35.4 25.3 37.9





#7

Phenol-d6

Concen: 115.53 ng

RT: 6.79 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG017747.D

Acq: 22 Jun 2015 16:17

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

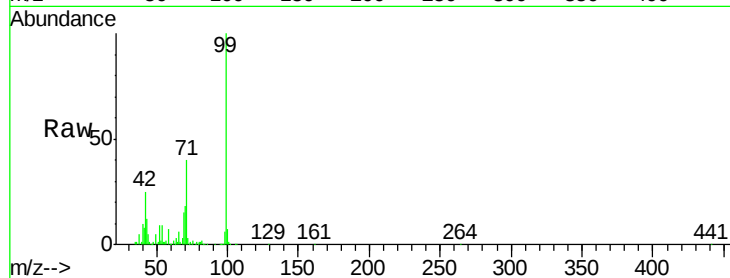
Tgt Ion: 99 Resp: 688757

Ion Ratio Lower Upper

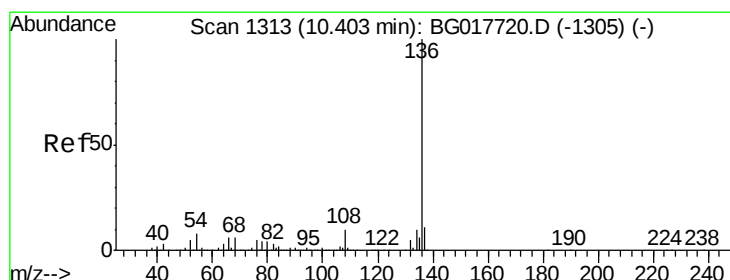
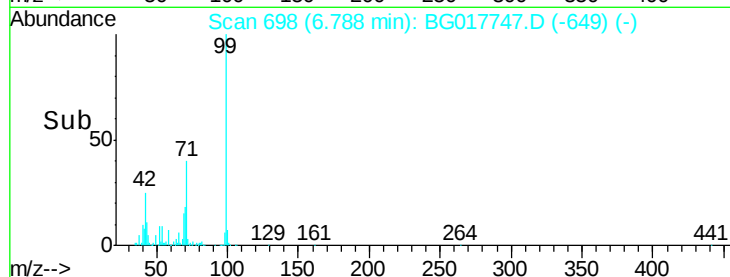
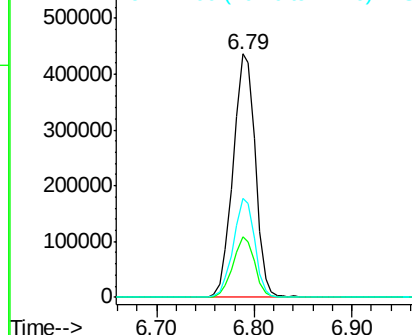
99 100

42 24.9 16.2 24.4#

71 40.4 29.5 44.3



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: 10.39 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BG017747.D

Acq: 22 Jun 2015 16:17

Tgt Ion: 136 Resp: 325202

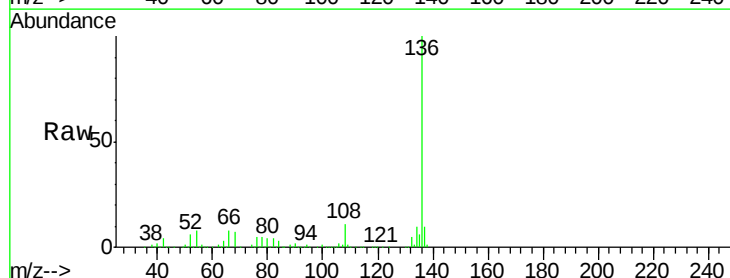
Ion Ratio Lower Upper

136 100

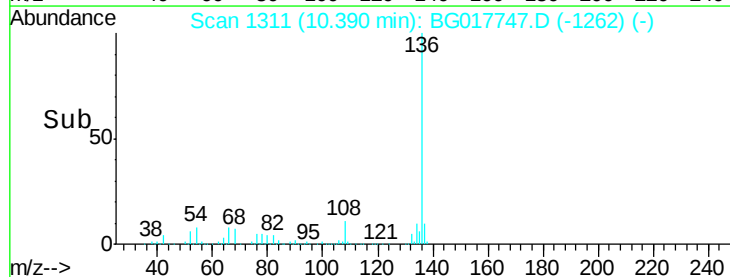
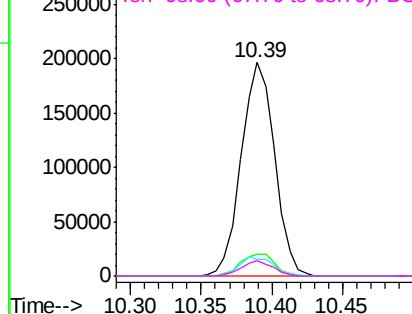
137 10.4 8.8 13.2

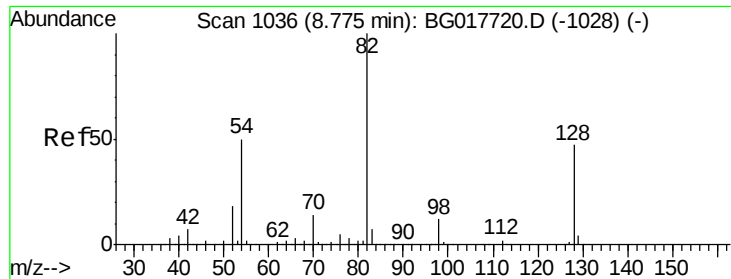
54 8.1 6.6 9.8

68 6.9 5.1 7.7



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

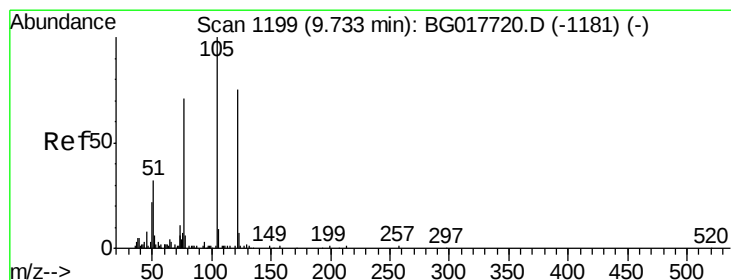
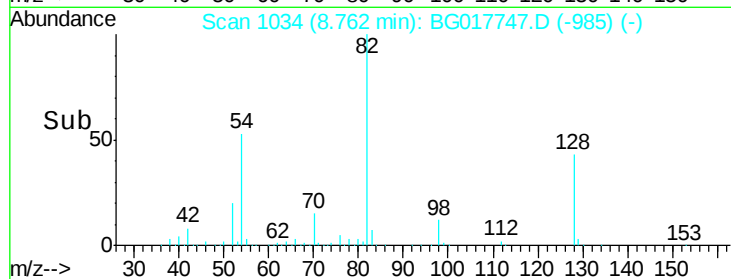
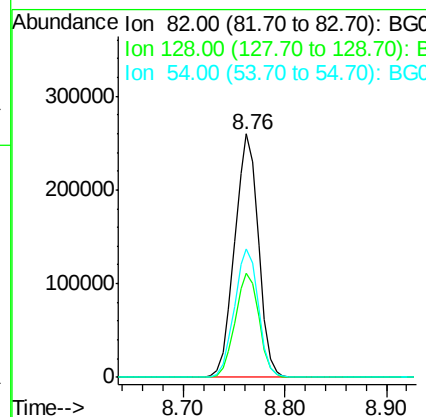
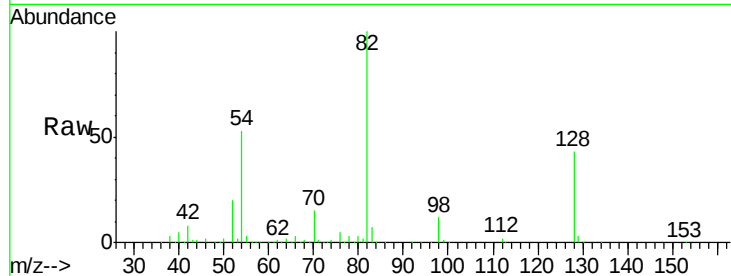




#23
 Nitrobenzene-d5
 Concen: 74.76 ng
 RT: 8.76 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG017747.D
 Acq: 22 Jun 2015 16:17

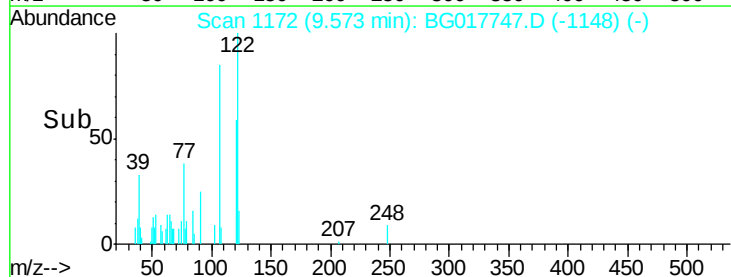
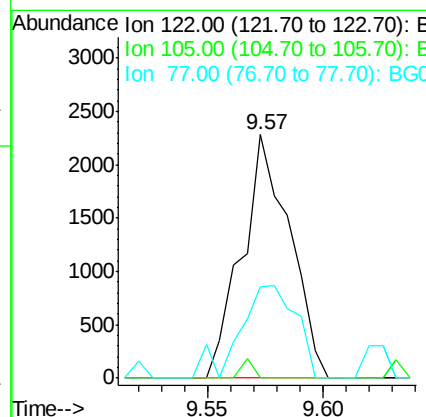
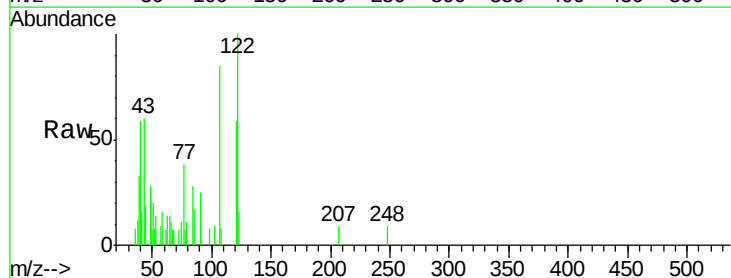
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

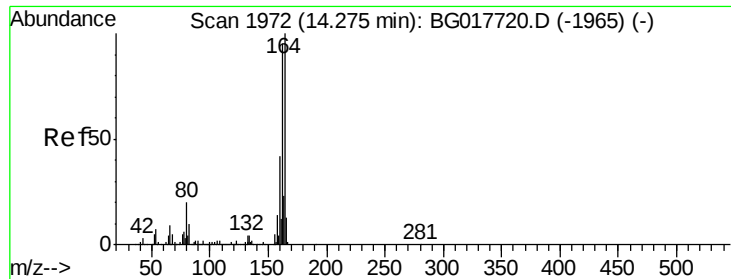
Tgt Ion: 82 Resp: 422652
 Ion Ratio Lower Upper
 82 100
 128 42.9 37.8 56.6
 54 53.0 39.9 59.9



#32
 Benzoic acid
 Concen: 8.73 ng
 RT: 9.57 min Scan# 1172
 Delta R.T. -0.16 min
 Lab File: BG017747.D
 Acq: 22 Jun 2015 16:17

Tgt Ion: 122 Resp: 3280
 Ion Ratio Lower Upper
 122 100
 105 0.0 111.3 151.3#
 77 37.6 75.2 115.2#

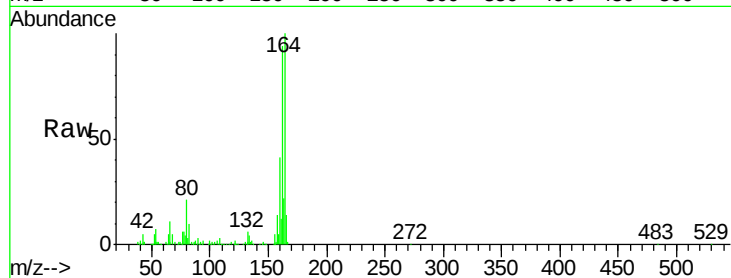




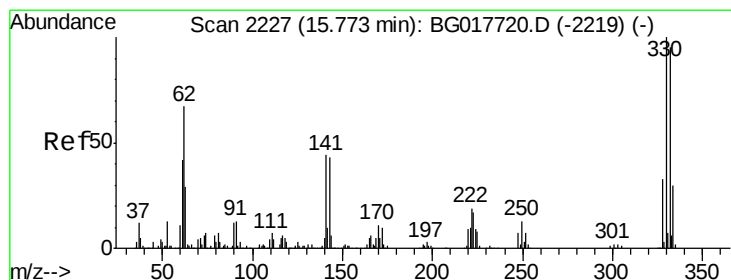
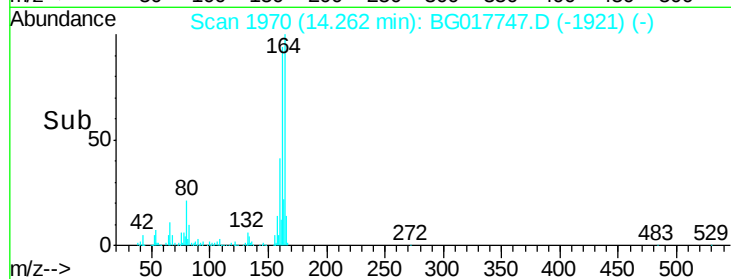
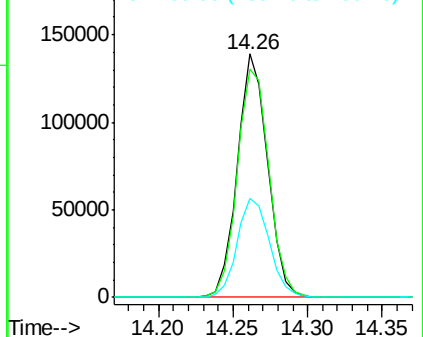
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.26 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG017747.D
Acq: 22 Jun 2015 16:17

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:164 Resp: 195018
Ion Ratio Lower Upper
164 100
162 93.8 76.3 114.5
160 40.5 33.7 50.5

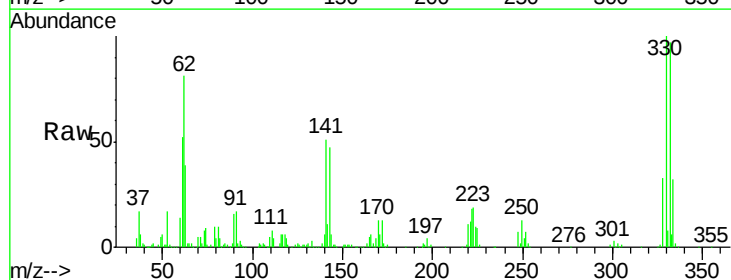


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

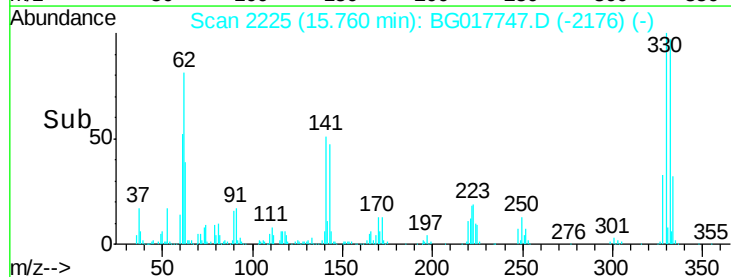
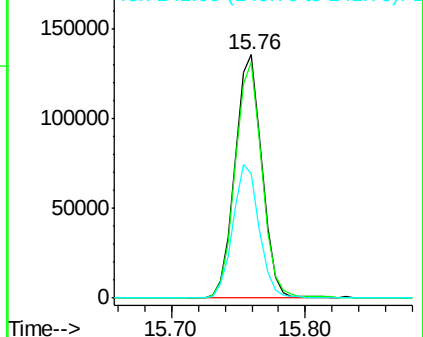


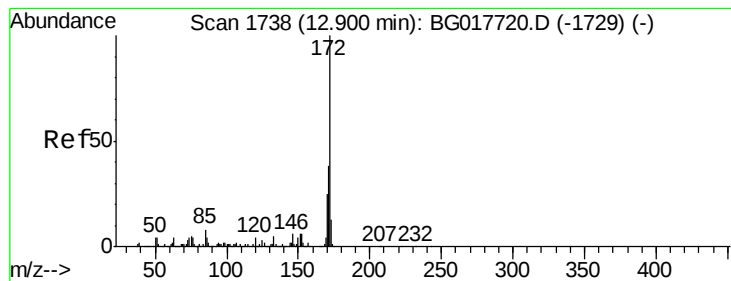
#41
2,4,6-Tribromophenol
Concen: 105.14 ng
RT: 15.76 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG017747.D
Acq: 22 Jun 2015 16:17

Tgt Ion:330 Resp: 190123
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 54.1 38.0 57.0



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: 70.38 ng

RT: 12.88 min Scan# 1735

Delta R.T. -0.02 min

Lab File: BG017747.D

Acq: 22 Jun 2015 16:17

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

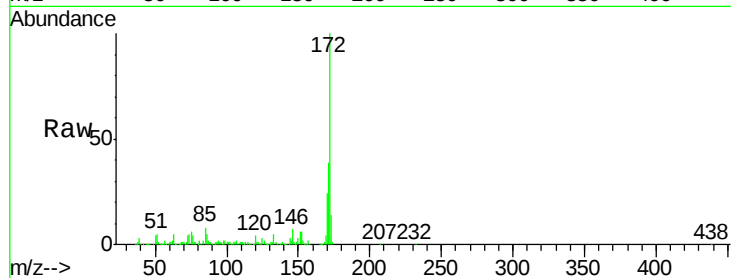
Tgt Ion:172 Resp: 845072

Ion Ratio Lower Upper

172 100

171 38.8 30.7 46.1

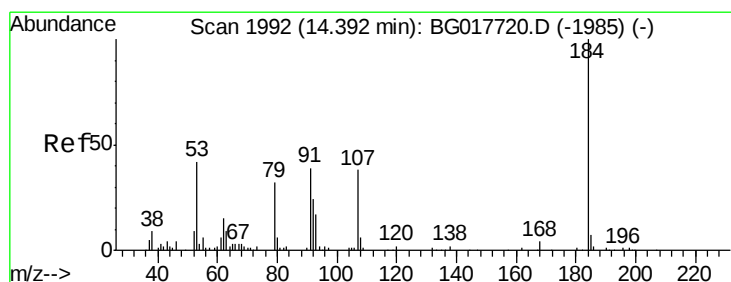
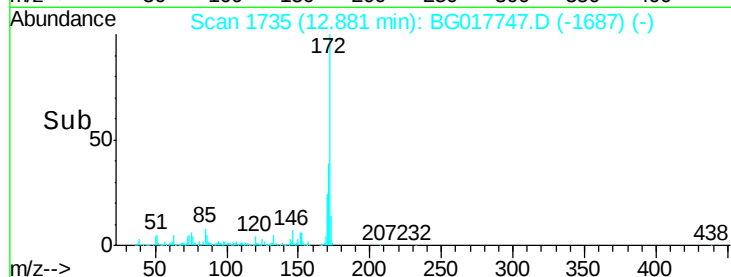
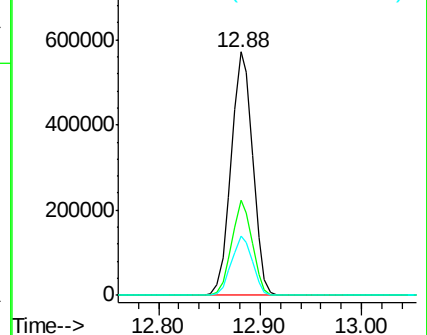
170 24.2 19.7 29.5



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



#53

2,4-Dinitrophenol

Concen: 7.31 ng

RT: 14.38 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG017747.D

Acq: 22 Jun 2015 16:17

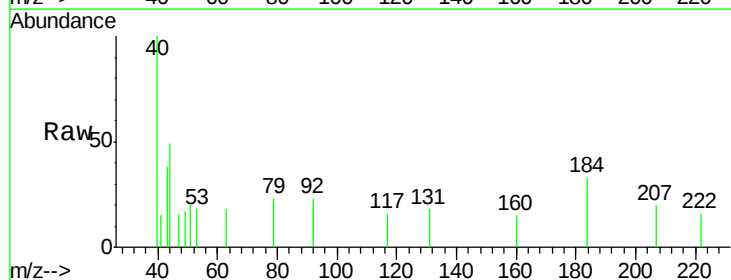
Tgt Ion:184 Resp: 185

Ion Ratio Lower Upper

184 100

63 53.5 47.8 71.6

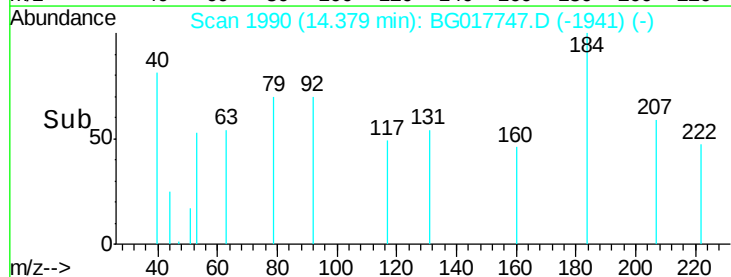
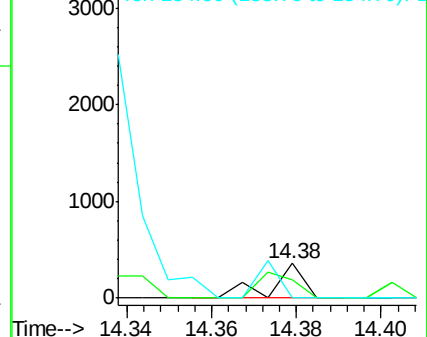
154 0.0 39.3 58.9#

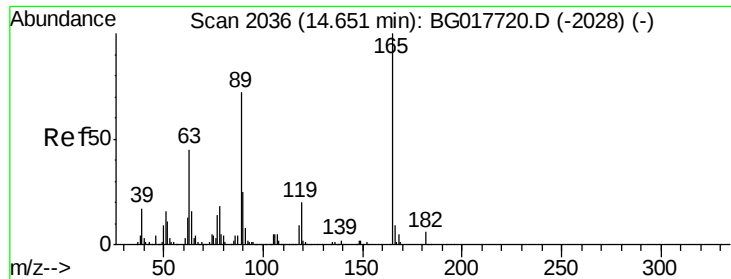


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

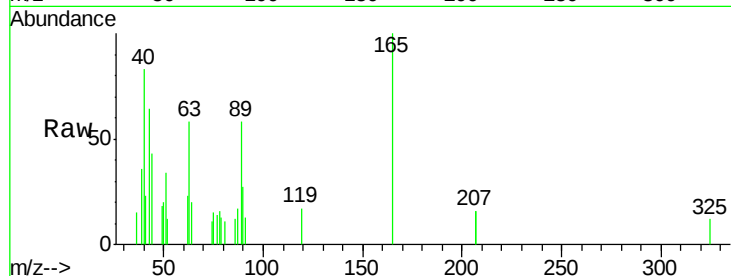




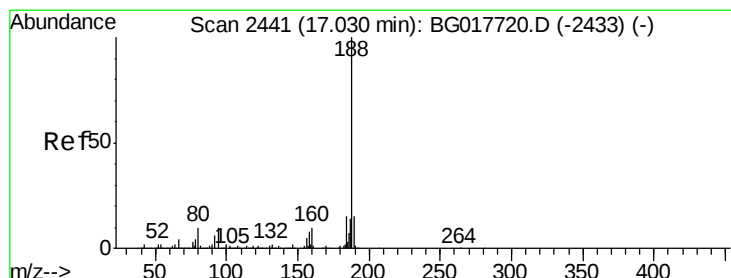
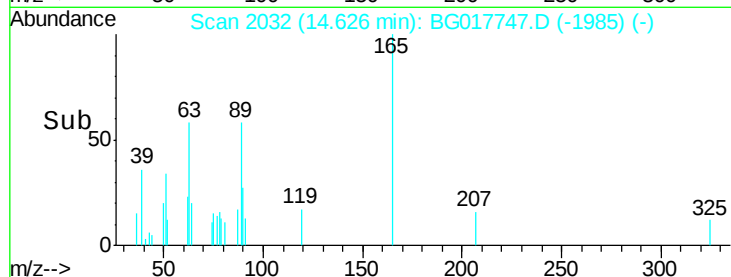
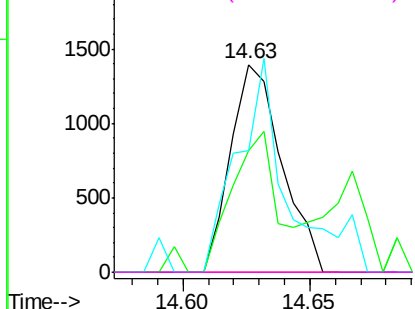
#56
 2,4-Dinitrotoluene
 Concen: 3.35 ng
 RT: 14.63 min Scan# 2032
 Delta R.T. -0.02 min
 Lab File: BG017747.D
 Acq: 22 Jun 2015 16:17

Instrument :
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 LOD-SOIL2015-01

Tgt Ion:165 Resp: 1962
 Ion Ratio Lower Upper
 165 100
 63 58.5 36.2 54.4#
 89 58.4 57.9 86.9
 182 0.0 4.7 7.1#

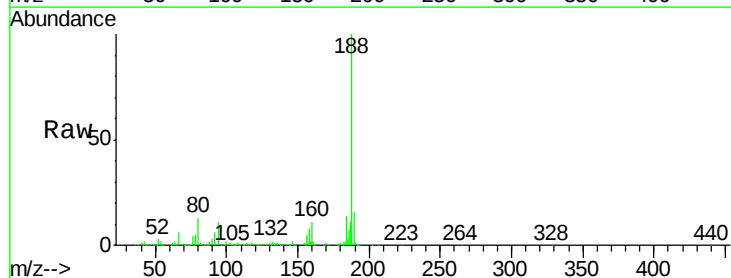


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

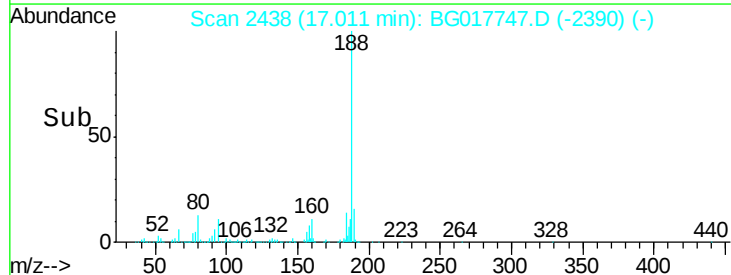
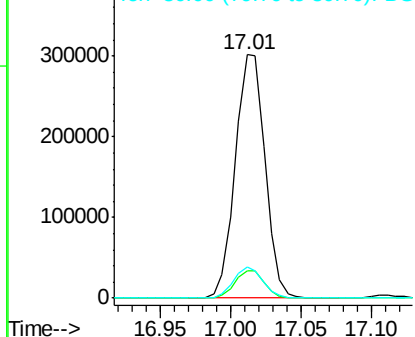


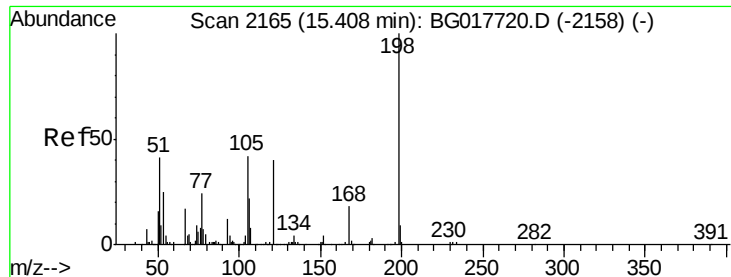
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.01 min Scan# 2438
 Delta R.T. -0.02 min
 Lab File: BG017747.D
 Acq: 22 Jun 2015 16:17

Tgt Ion:188 Resp: 442569
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.2 12.2
 80 12.8 8.2 12.4#



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

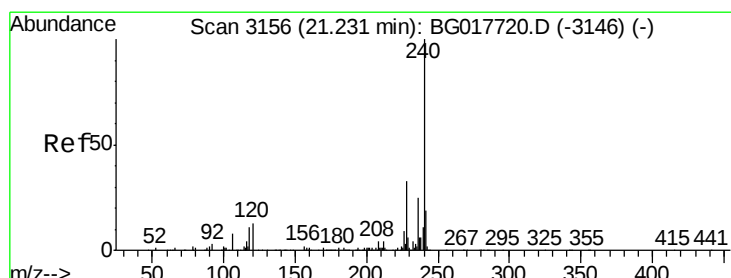
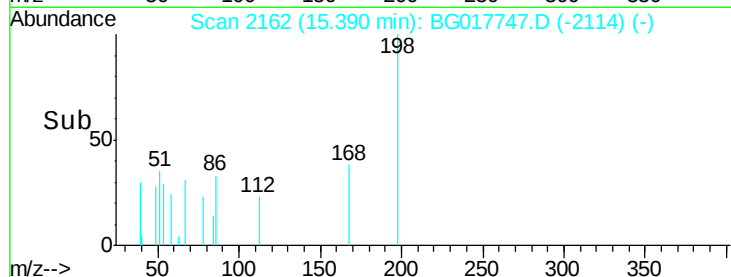
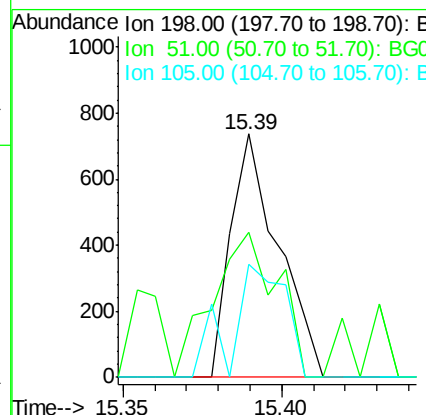
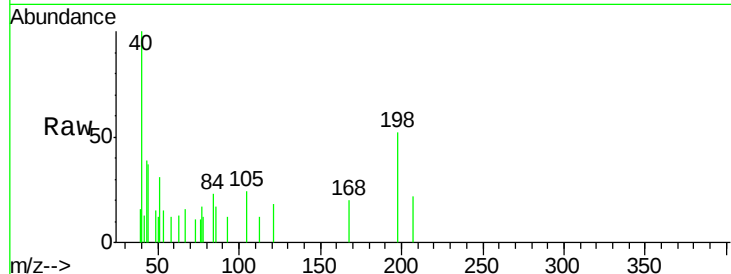




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.45 ng
 RT: 15.39 min Scan# 2162
 Delta R.T. -0.02 min
 Lab File: BG017747.D
 Acq: 22 Jun 2015 16:17

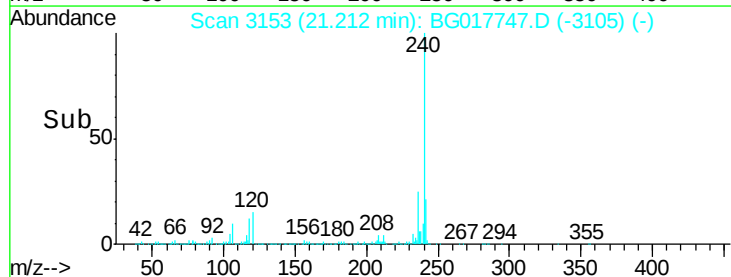
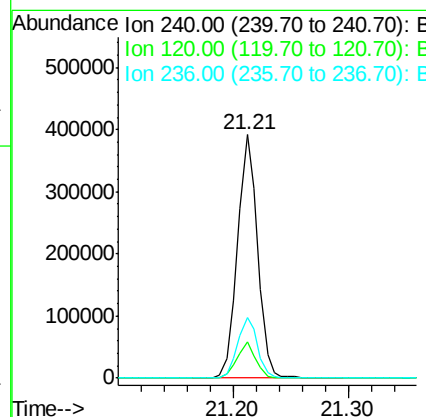
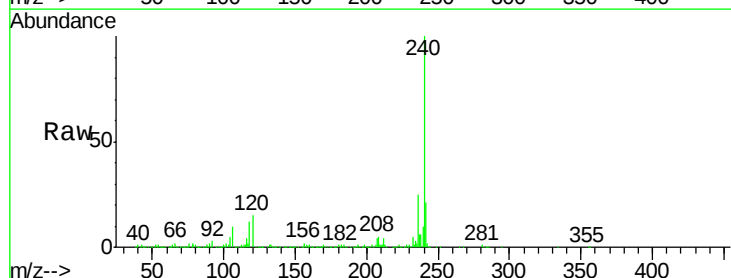
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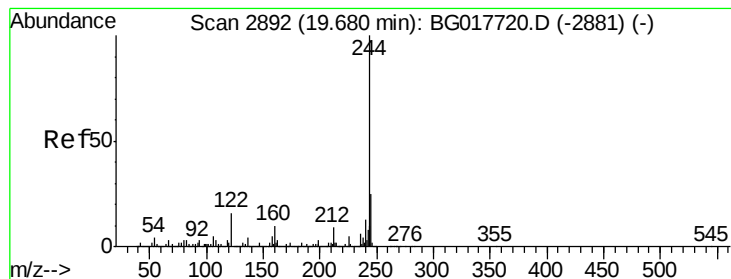
Tgt Ion:198 Resp: 760
 Ion Ratio Lower Upper
 198 100
 51 59.4 27.0 67.0
 105 46.4 23.3 63.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.21 min Scan# 3153
 Delta R.T. -0.02 min
 Lab File: BG017747.D
 Acq: 22 Jun 2015 16:17

Tgt Ion:240 Resp: 471383
 Ion Ratio Lower Upper
 240 100
 120 14.9 10.8 16.2
 236 24.8 20.0 30.0





#78

Terphenyl-d14

Concen: 67.16 ng

RT: 19.66 min Scan# 2889

Delta R.T. -0.02 min

Lab File: BG017747.D

Acq: 22 Jun 2015 16:17

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

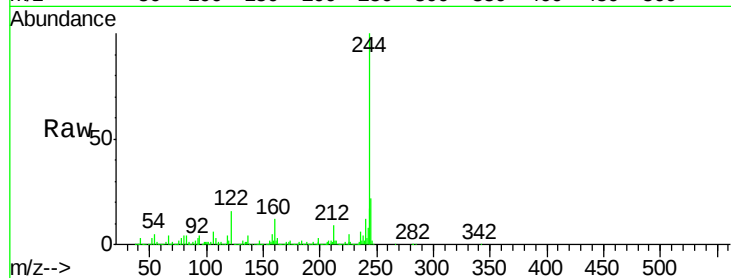
Tgt Ion:244 Resp: 1393335

Ion Ratio Lower Upper

244 100

212 9.0 7.2 10.8

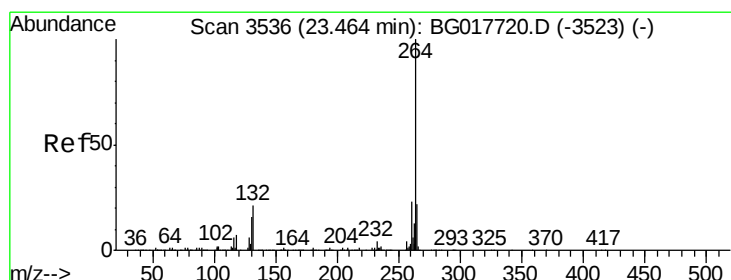
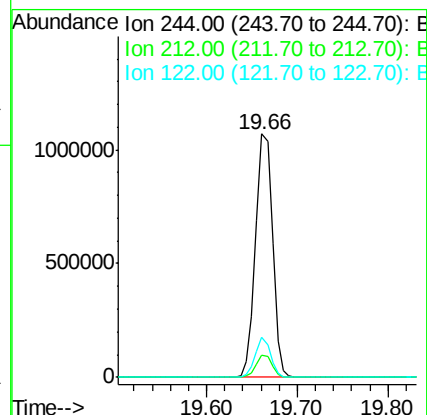
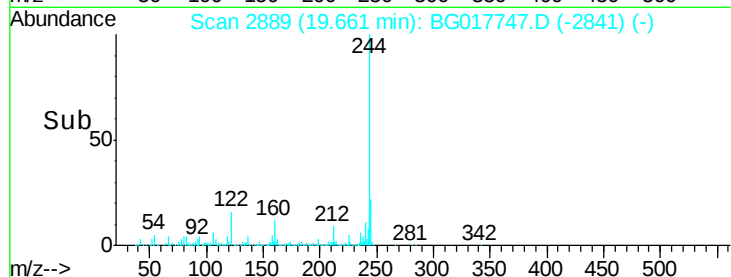
122 16.3 12.8 19.2



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: 23.44 min Scan# 3532

Delta R.T. -0.02 min

Lab File: BG017747.D

Acq: 22 Jun 2015 16:17

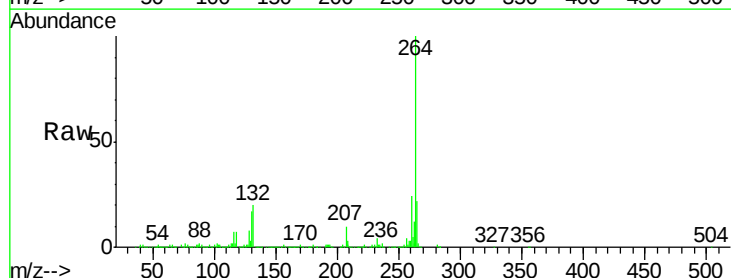
Tgt Ion:264 Resp: 434124

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.8 18.2 27.2



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

