

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062215\
 Data File : BG017748.D
 Acq On : 22 Jun 2015 16:52
 Operator : TP/IZ
 Sample : G2653-03
 Misc : LOD-SVOC-SOIL-2PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jun 23 03:50:41 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

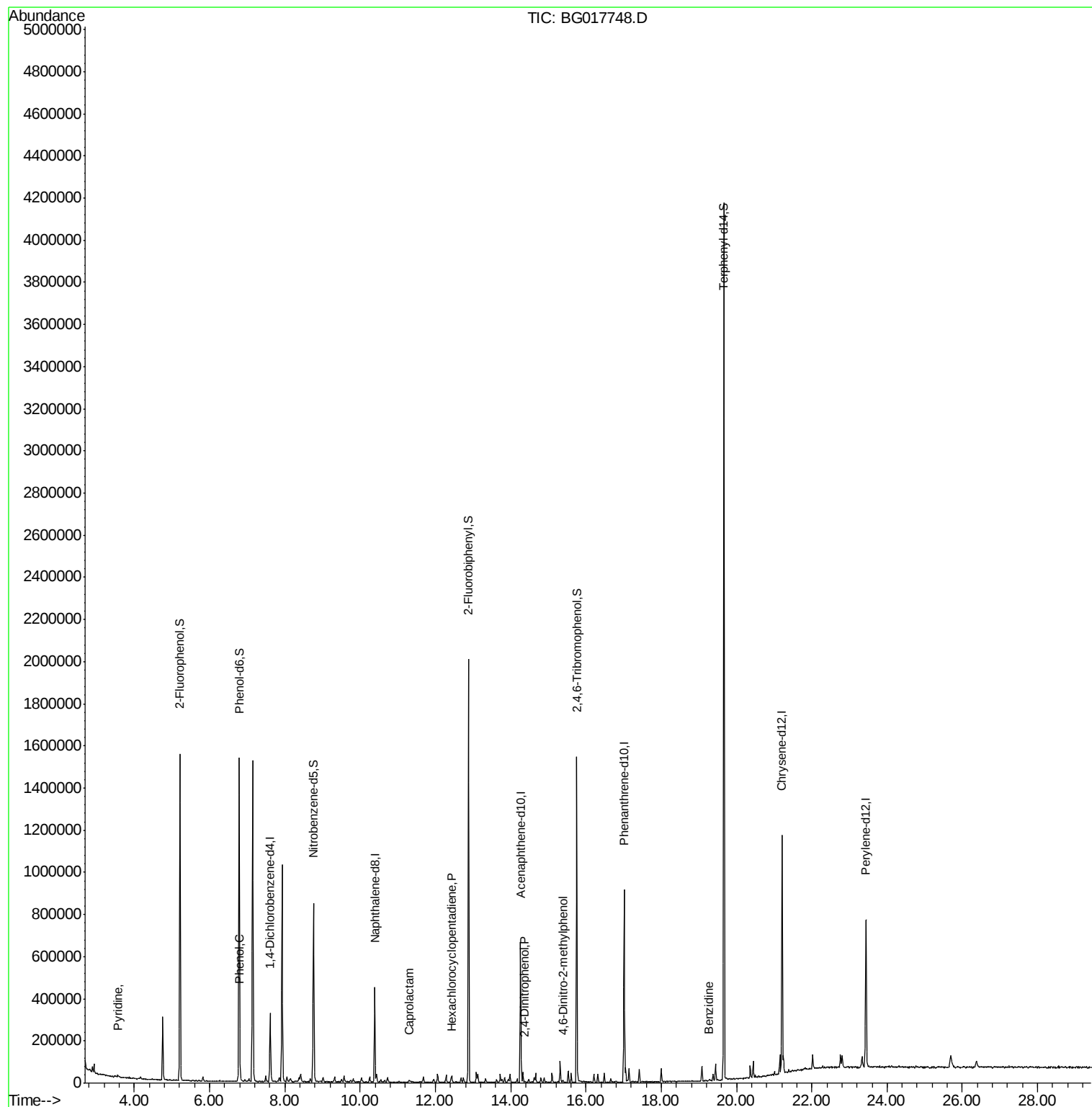
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	78961	20.00	ng	0.00
21) Naphthalene-d8	10.39	136	340690	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	200860	20.00	ng	0.00
63) Phenanthrene-d10	17.01	188	456029	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	485621	20.00	ng	-0.02
86) Perylene-d12	23.44	264	452611	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	562742	125.07	ng	0.00
7) Phenol-d6	6.79	99	763154	120.67	ng	0.00
23) Nitrobenzene-d5	8.76	82	467301	78.90	ng	-0.02
41) 2,4,6-Tribromophenol	15.76	330	204023	109.54	ng	-0.02
44) 2-Fluorobiphenyl	12.88	172	936132	75.69	ng	-0.02
78) Terphenyl-d14	19.66	244	1504279	70.39	ng	-0.02
Target Compounds						
3) Pyridine	3.56	79	6981	1.28	ng	Qvalue # 61
10) Phenol	6.81	94	11231	1.63	ng	85
35) Caprolactam	11.30	113	2462	0.91	ng	# 76
40) Hexachlorocyclopentadiene	12.41	237	3561	0.98	ng	# 75
53) 2,4-Dinitrophenol	14.37	184	750	7.65	ng	# 67
64) 4,6-Dinitro-2-methylphenol	15.39	198	1668	7.76	ng	86
76) Benzidine	19.28	184	4801	0.30	ng	95

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

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QLast Update : Fri Jun 19 06:05:07 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.61 min Scan# 838

Delta R.T. -0.00 min

Lab File: BG017748.D

Acq: 22 Jun 2015 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

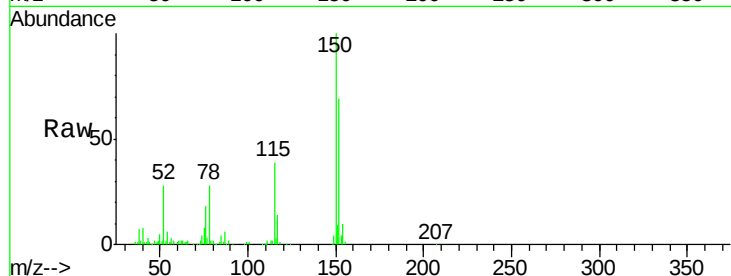
Tgt Ion:152 Resp: 78961

Ion Ratio Lower Upper

152 100

150 145.2 119.1 178.7

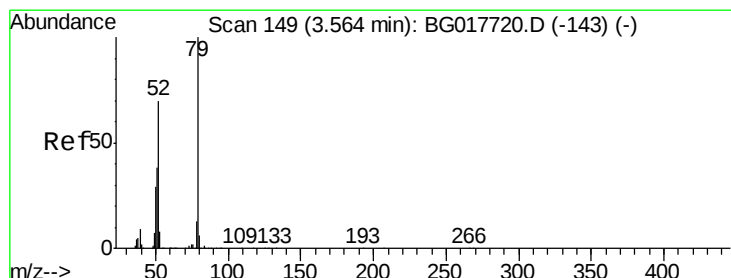
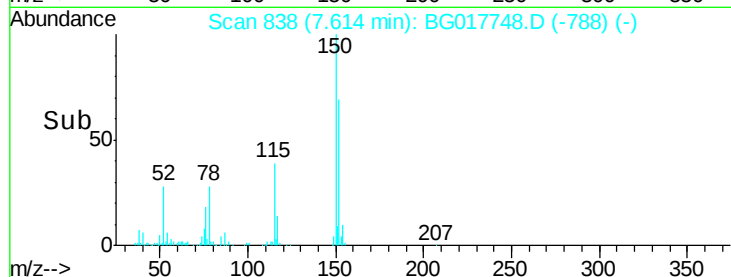
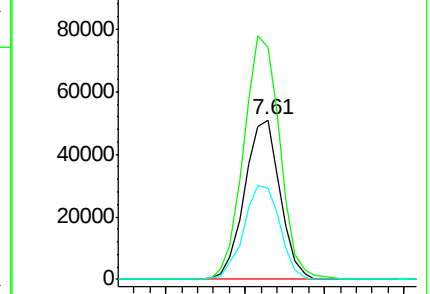
115 57.0 47.0 70.4



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



#3

Pyridine

Concen: 1.28 ng

RT: 3.56 min Scan# 148

Delta R.T. -0.00 min

Lab File: BG017748.D

Acq: 22 Jun 2015 16:52

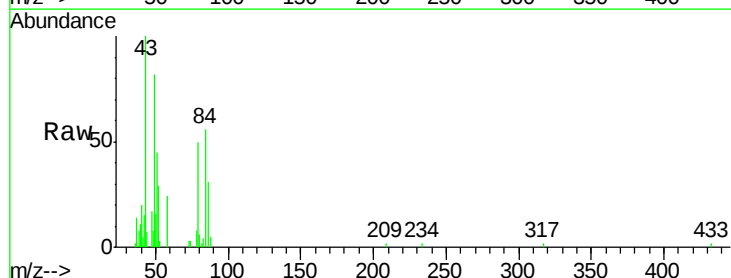
Tgt Ion: 79 Resp: 6981

Ion Ratio Lower Upper

79 100

52 57.4 55.7 83.5

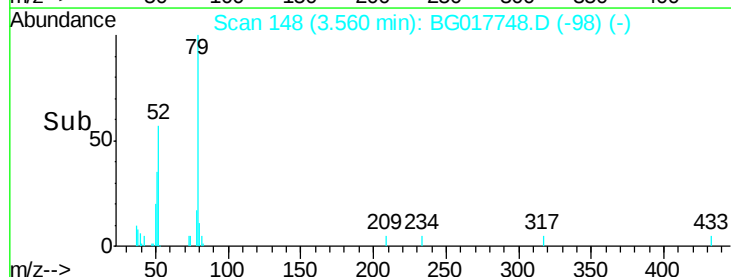
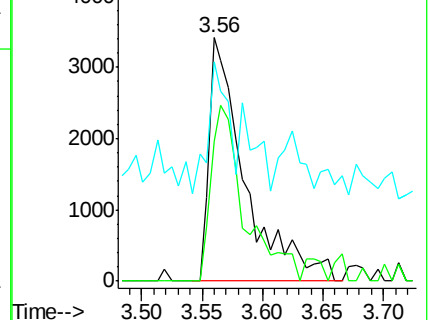
51 89.8 32.2 48.4#

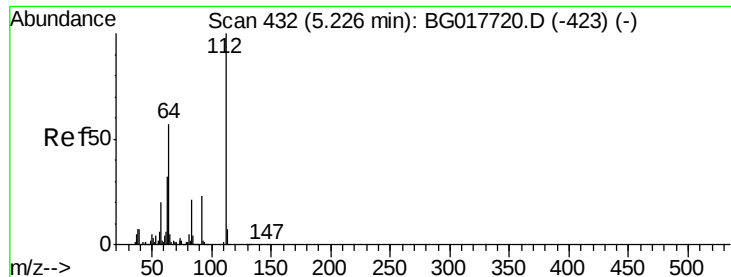


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC





#5

2-Fluorophenol

Concen: 125.07 ng

RT: 5.22 min Scan# 430

Delta R.T. -0.01 min

Lab File: BG017748.D

Acq: 22 Jun 2015 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

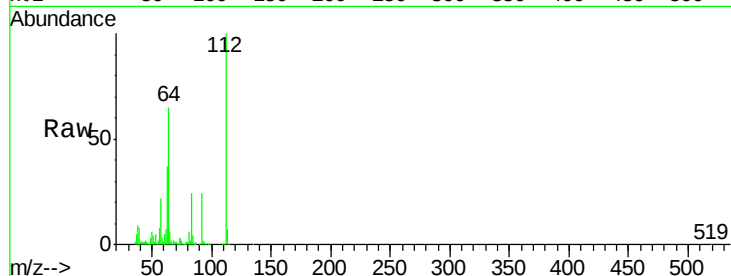
Tgt Ion:112 Resp: 562742

Ion Ratio Lower Upper

112 100

64 64.8 45.4 68.0

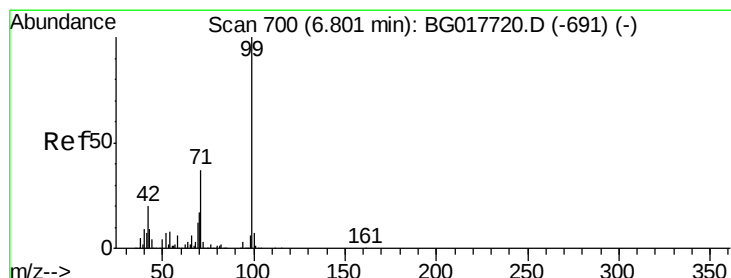
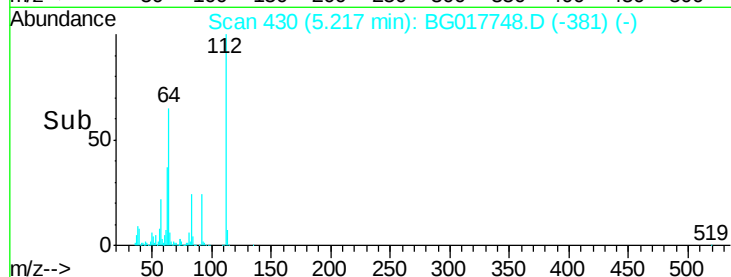
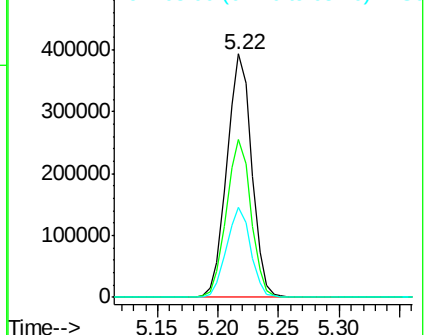
63 36.8 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 120.67 ng

RT: 6.79 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG017748.D

Acq: 22 Jun 2015 16:52

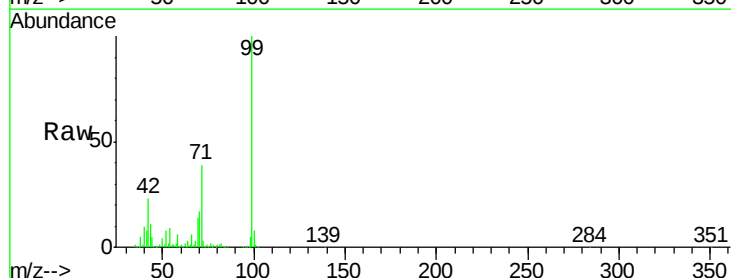
Tgt Ion: 99 Resp: 763154

Ion Ratio Lower Upper

99 100

42 23.3 16.2 24.4

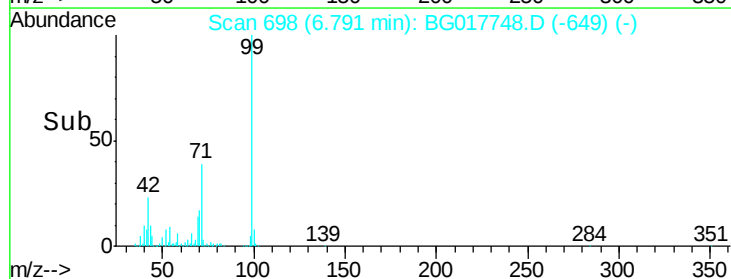
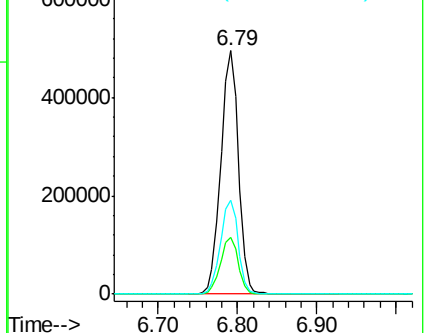
71 38.8 29.5 44.3

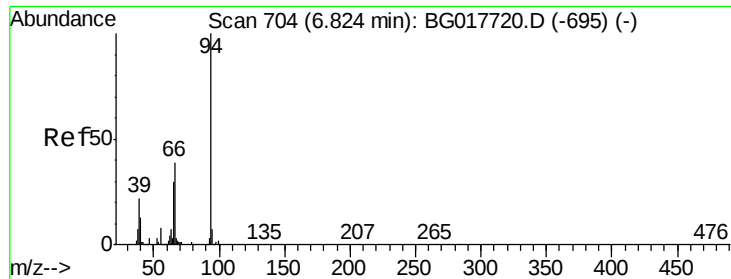


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 1.63 ng

RT: 6.81 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG017748.D

Acq: 22 Jun 2015 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

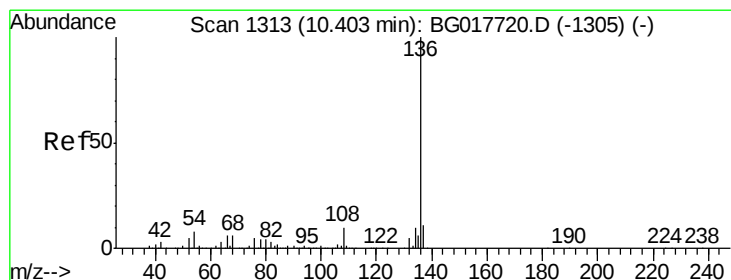
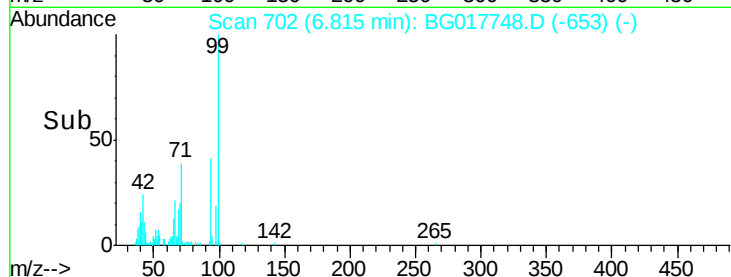
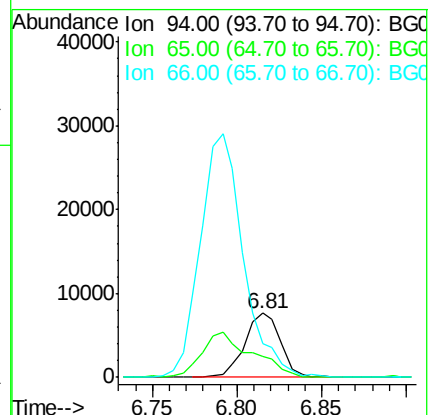
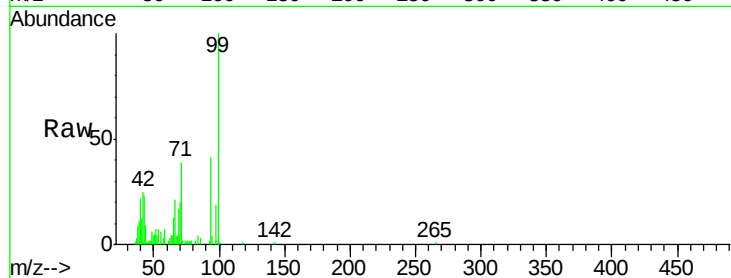
Tgt Ion: 94 Resp: 11231

Ion Ratio Lower Upper

94 100

65 33.2 9.9 49.9

66 52.7 19.4 59.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.39 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BG017748.D

Acq: 22 Jun 2015 16:52

Tgt Ion: 136 Resp: 340690

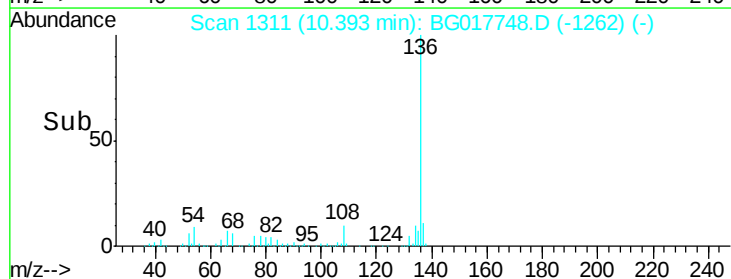
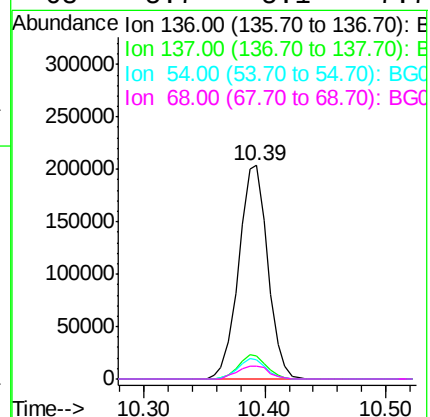
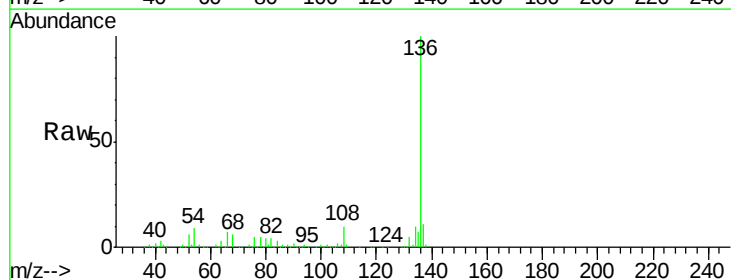
Ion Ratio Lower Upper

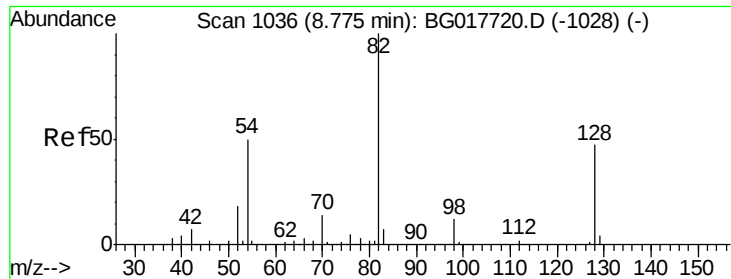
136 100

137 10.7 8.8 13.2

54 9.1 6.6 9.8

68 5.7 5.1 7.7

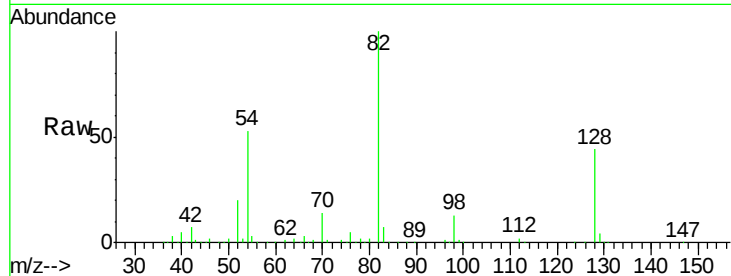




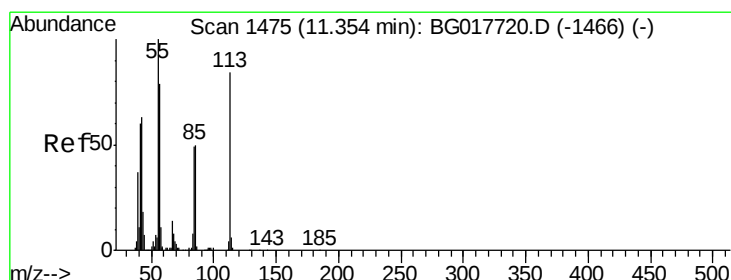
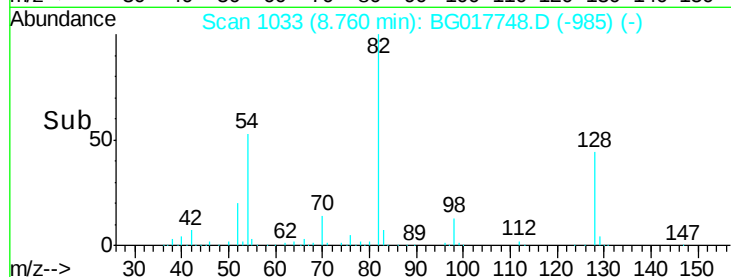
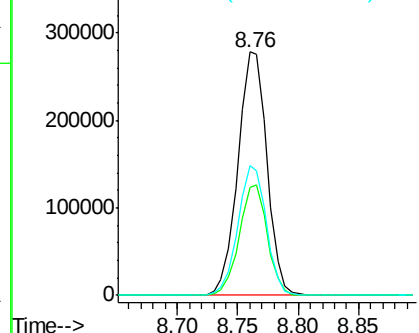
#23
 Nitrobenzene-d5
 Concen: 78.90 ng
 RT: 8.76 min Scan# 1033
 Delta R.T. -0.02 min
 Lab File: BG017748.D
 Acq: 22 Jun 2015 16:52

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 82 Resp: 467301
 Ion Ratio Lower Upper
 82 100
 128 44.2 37.8 56.6
 54 53.4 39.9 59.9

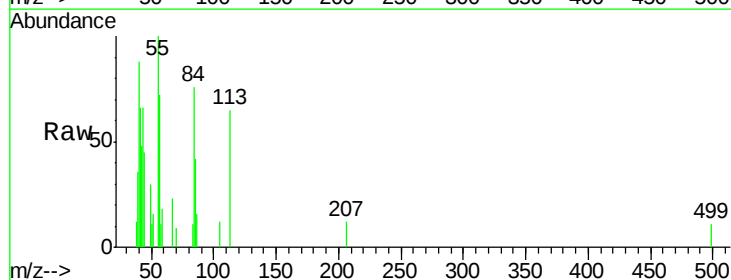


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

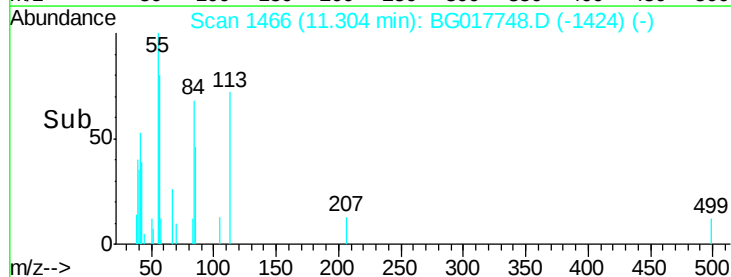
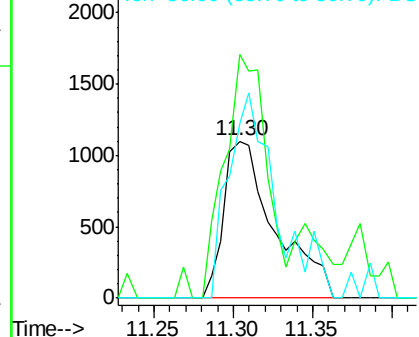


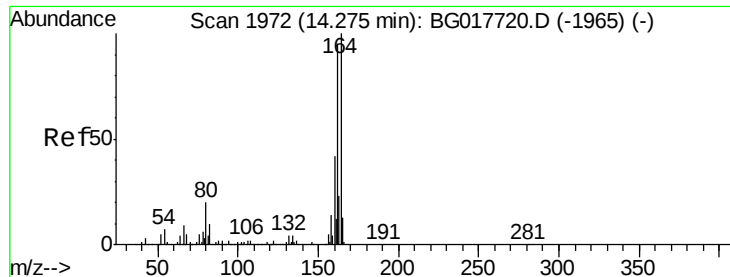
#35
 Caprolactam
 Concen: 0.91 ng
 RT: 11.30 min Scan# 1466
 Delta R.T. -0.05 min
 Lab File: BG017748.D
 Acq: 22 Jun 2015 16:52

Tgt Ion: 113 Resp: 2462
 Ion Ratio Lower Upper
 113 100
 55 154.9 100.8 140.8#
 56 111.3 75.5 115.5



Abundance Ion 113.00 (112.70 to 113.70): BGC
 Ion 55.00 (54.70 to 55.70): BGC
 Ion 56.00 (55.70 to 56.70): BGC

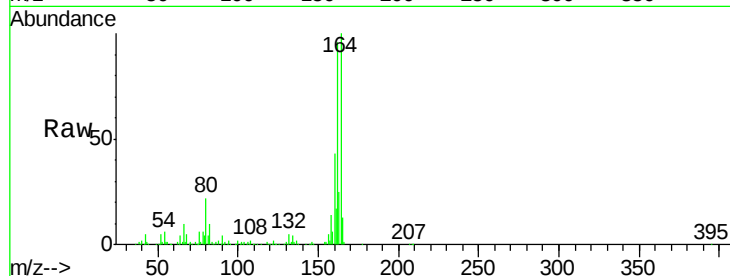




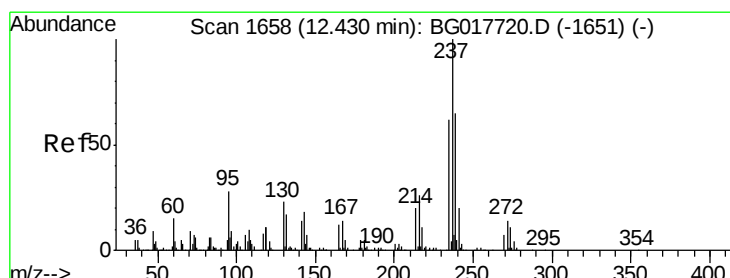
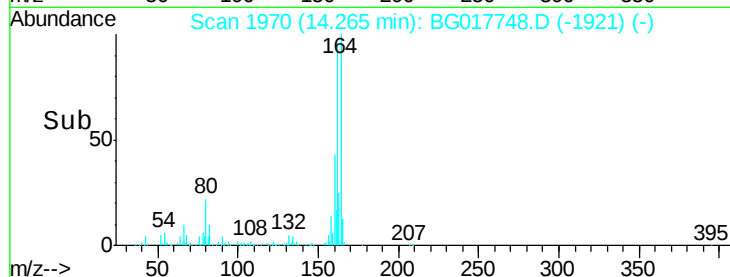
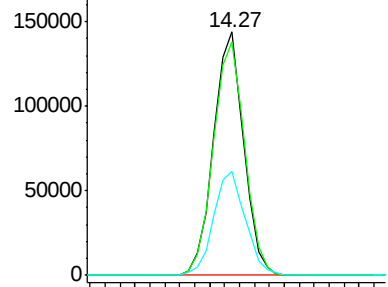
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.27 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG017748.D
Acq: 22 Jun 2015 16:52

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.0	76.3	114.5
160	42.8	33.7	50.5

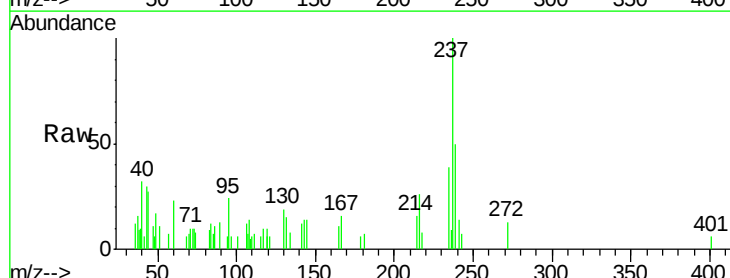


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

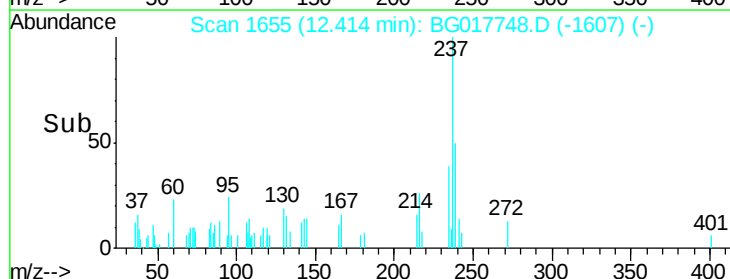
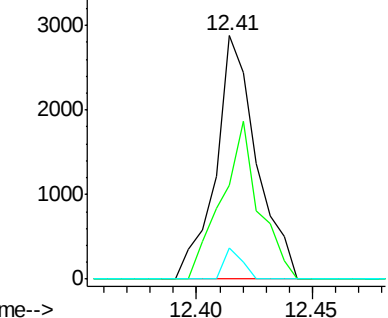


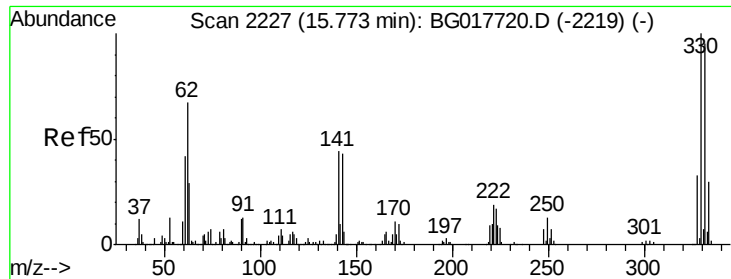
#40
Hexachlorocyclopentadiene
Concen: 0.98 ng
RT: 12.41 min Scan# 1655
Delta R.T. -0.02 min
Lab File: BG017748.D
Acq: 22 Jun 2015 16:52

Tgt Ion	Ratio	Lower	Upper
237	100		
235	38.7	42.2	82.2#
272	12.7	0.0	33.9



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 109.54 ng

RT: 15.76 min Scan# 2224

Delta R.T. -0.02 min

Lab File: BG017748.D

Acq: 22 Jun 2015 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

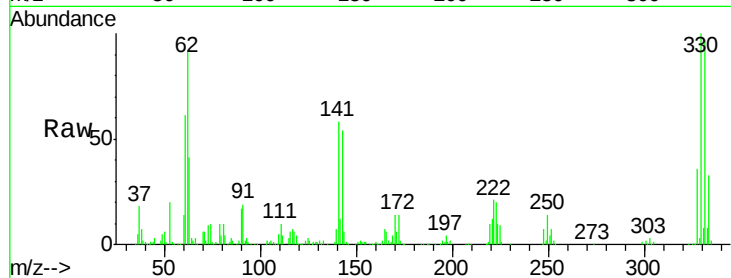
Tgt Ion:330 Resp: 204023

Ion Ratio Lower Upper

330 100

332 95.2 76.8 115.2

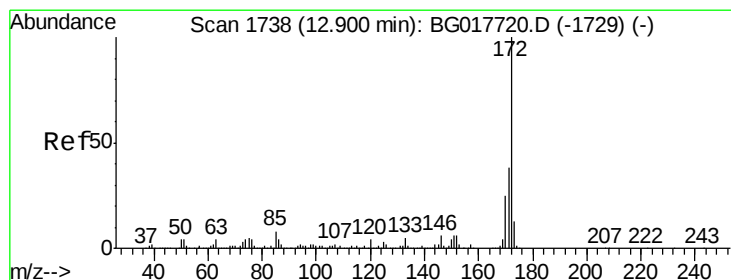
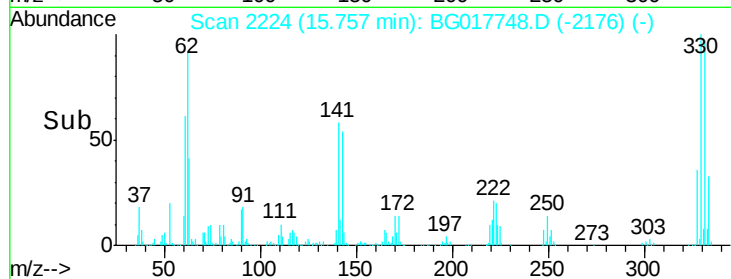
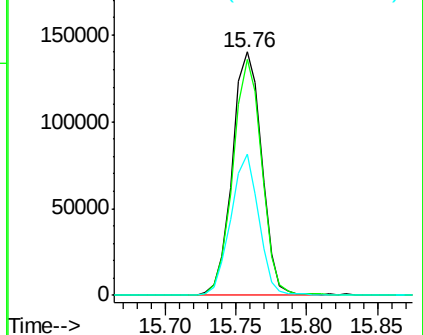
141 55.1 38.0 57.0



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: 75.69 ng

RT: 12.88 min Scan# 1735

Delta R.T. -0.02 min

Lab File: BG017748.D

Acq: 22 Jun 2015 16:52

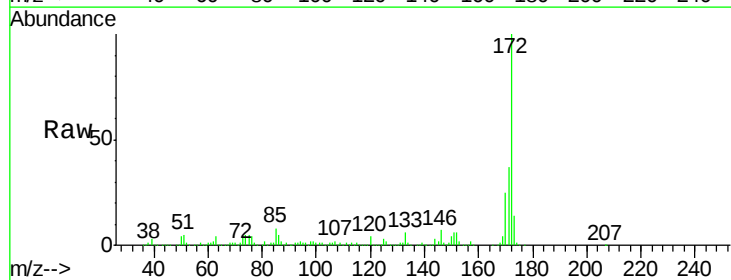
Tgt Ion:172 Resp: 936132

Ion Ratio Lower Upper

172 100

171 36.8 30.7 46.1

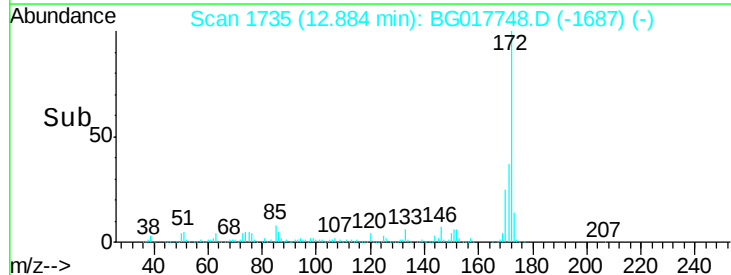
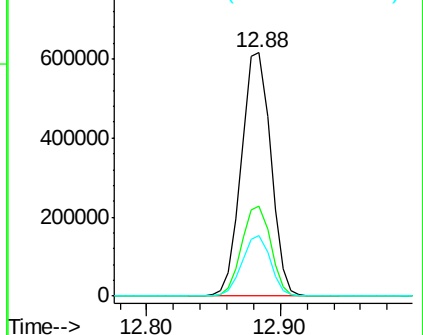
170 24.8 19.7 29.5

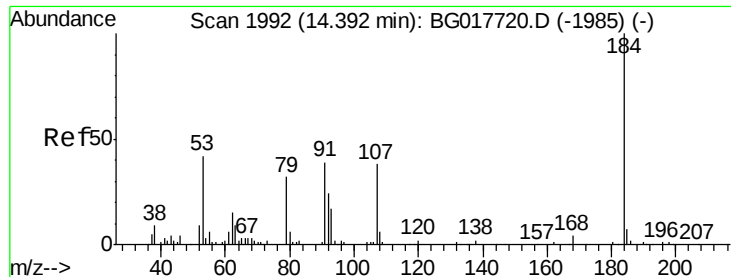


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

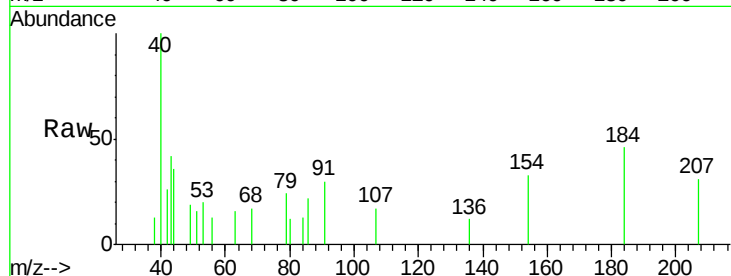




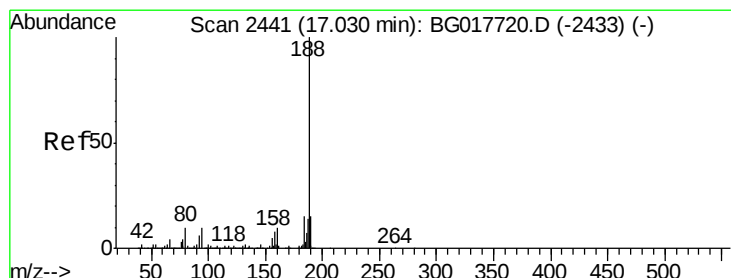
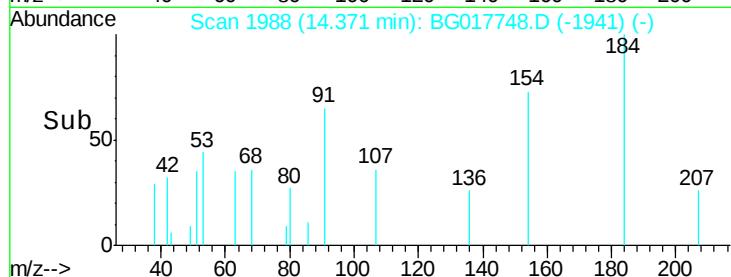
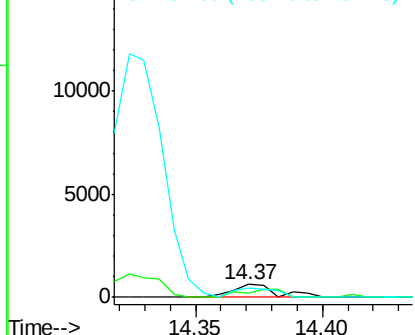
#53
2,4-Dinitrophenol
Concen: 7.65 ng
RT: 14.37 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG017748.D
Acq: 22 Jun 2015 16:52

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:184 Resp: 750
Ion Ratio Lower Upper
184 100
63 35.4 47.8 71.6#
154 72.7 39.3 58.9#

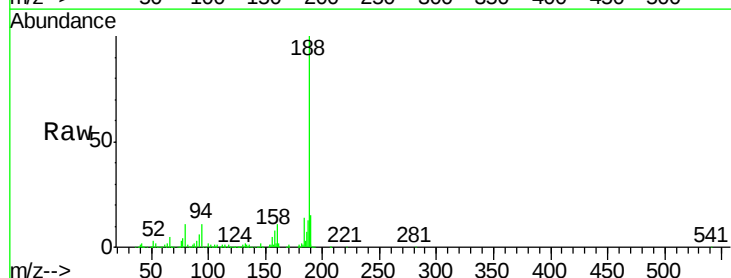


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

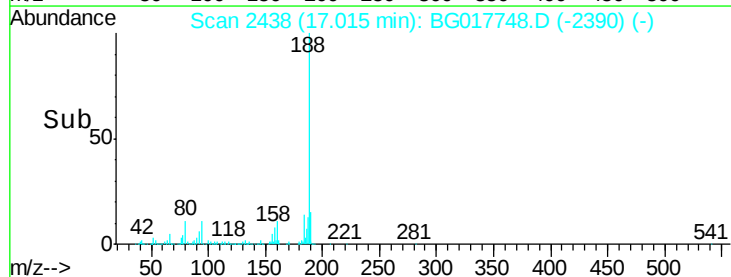
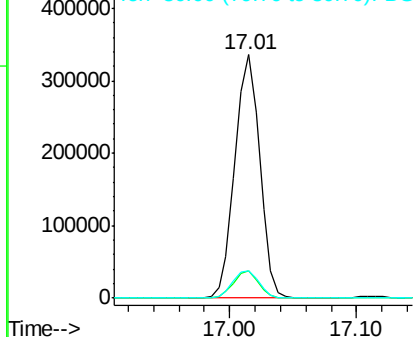


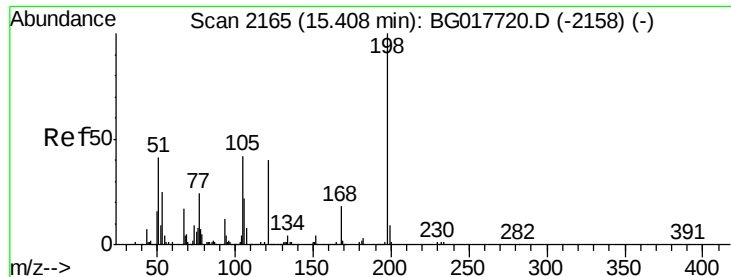
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.01 min Scan# 2438
Delta R.T. -0.02 min
Lab File: BG017748.D
Acq: 22 Jun 2015 16:52

Tgt Ion:188 Resp: 456029
Ion Ratio Lower Upper
188 100
94 11.1 8.2 12.2
80 11.4 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG





#64

4,6-Dinitro-2-methylphenol

Concen: 7.76 ng

RT: 15.39 min Scan# 2161

Delta R.T. -0.02 min

Lab File: BG017748.D

Acq: 22 Jun 2015 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

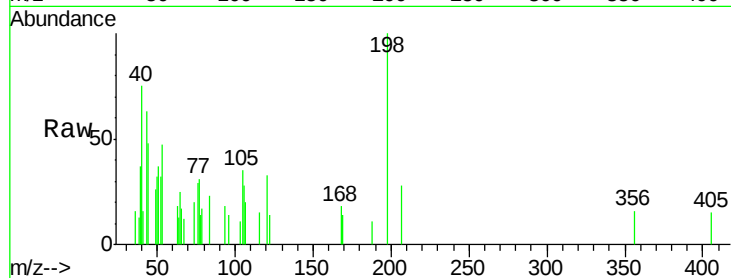
Tgt Ion:198 Resp: 1668

Ion Ratio Lower Upper

198 100

51 37.4 27.0 67.0

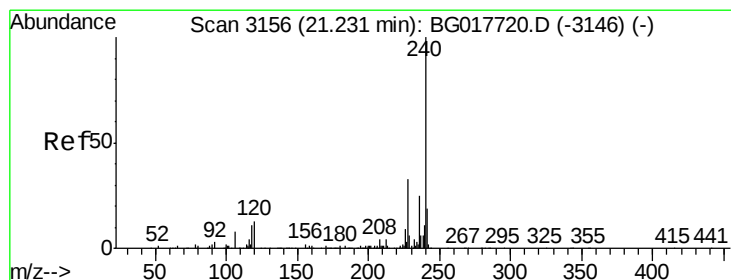
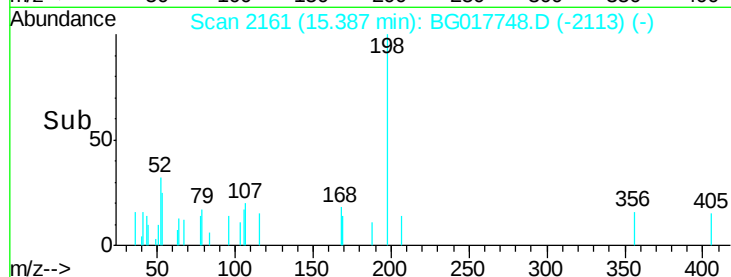
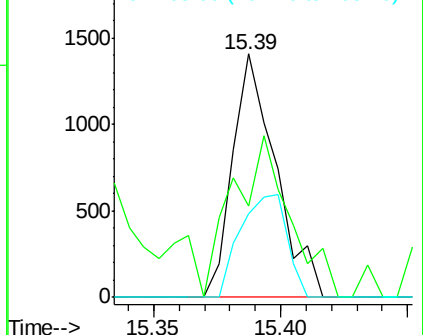
105 34.6 23.3 63.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG017748.D (-2113) (-)

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.22 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG017748.D

Acq: 22 Jun 2015 16:52

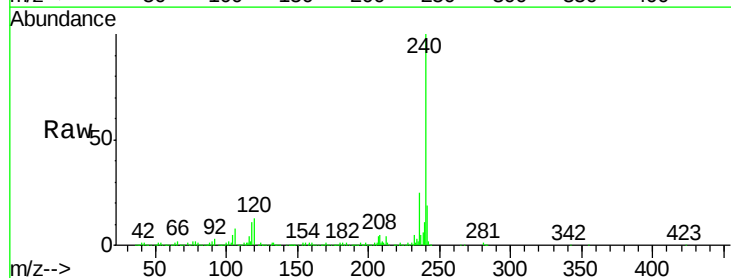
Tgt Ion:240 Resp: 485621

Ion Ratio Lower Upper

240 100

120 12.6 10.8 16.2

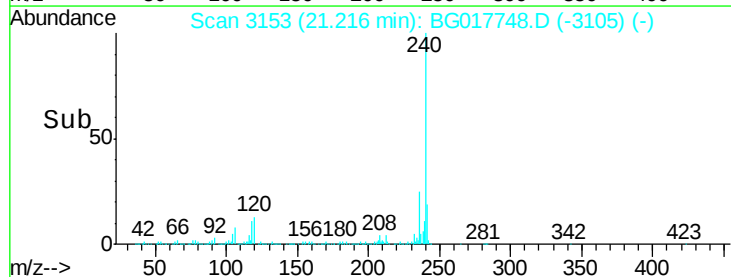
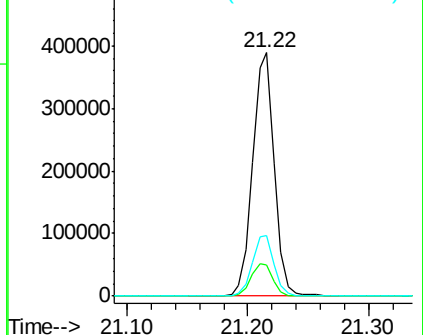
236 24.7 20.0 30.0

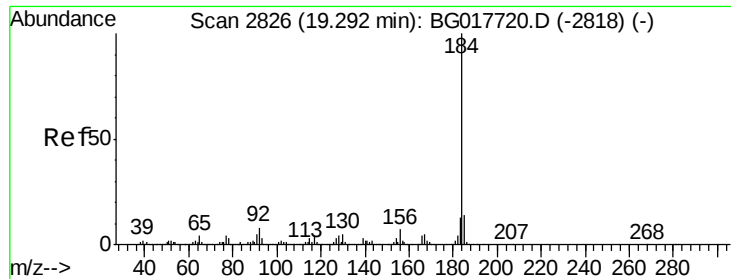


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

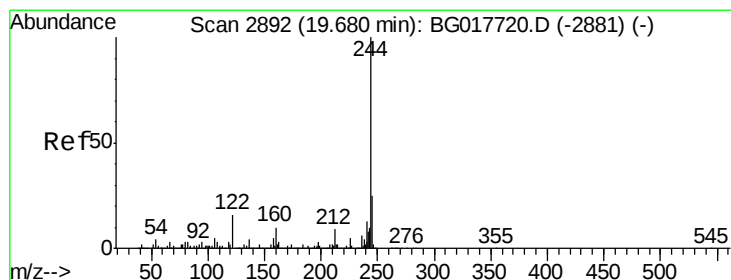
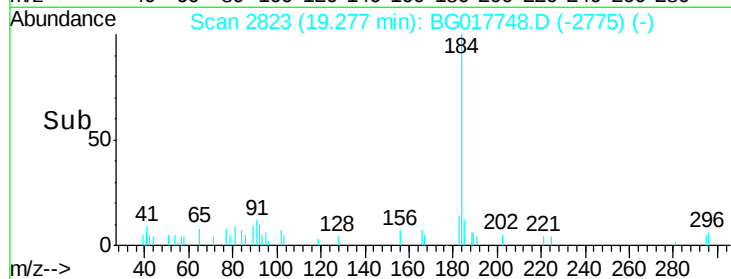
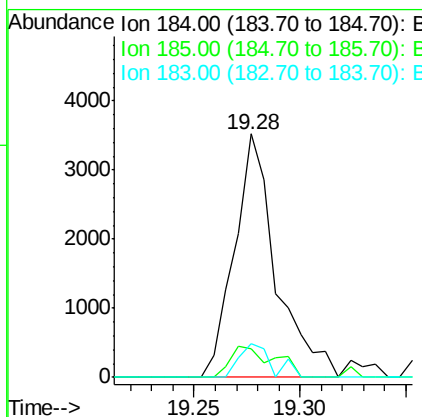
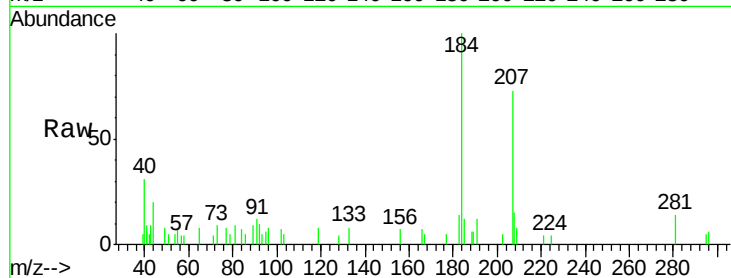




#76
Benzidine
Concen: 0.30 ng
RT: 19.28 min Scan# 2823
Delta R.T. -0.02 min
Lab File: BG017748.D
Acq: 22 Jun 2015 16:52

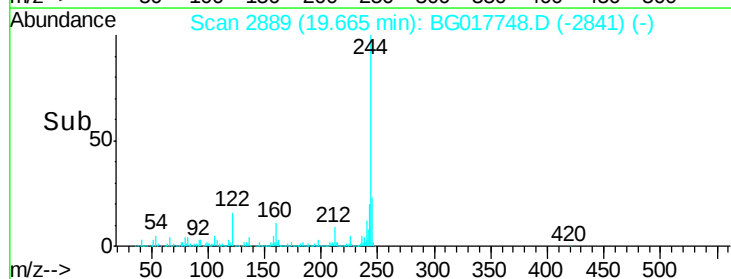
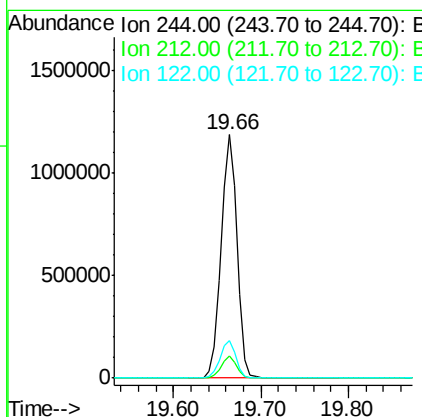
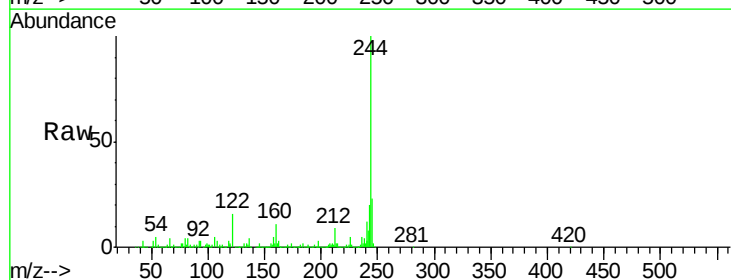
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

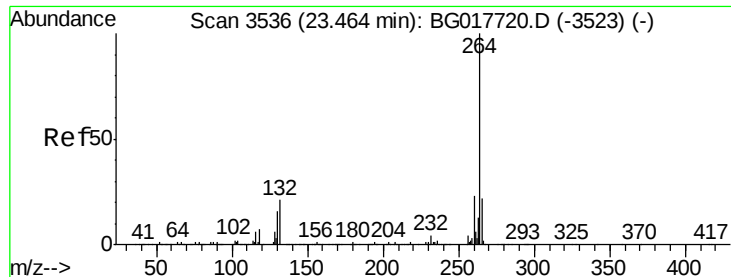
Tgt Ion:184 Resp: 4801
Ion Ratio Lower Upper
184 100
185 11.7 11.5 17.3
183 13.7 10.0 15.0



#78
Terphenyl-d14
Concen: 70.39 ng
RT: 19.66 min Scan# 2889
Delta R.T. -0.02 min
Lab File: BG017748.D
Acq: 22 Jun 2015 16:52

Tgt Ion:244 Resp: 1504279
Ion Ratio Lower Upper
244 100
212 8.9 7.2 10.8
122 15.6 12.8 19.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.44 min Scan# 3532
Delta R.T. -0.02 min
Lab File: BG017748.D
Acq: 22 Jun 2015 16:52

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	21.6	18.2	27.2

