

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062215\
 Data File : BG017742.D
 Acq On : 22 Jun 2015 12:34
 Operator : TP/IZ
 Sample : G2653-05
 Misc : LOD-SVOC-WATER-2PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2015-01

Quant Time: Jun 23 02:11:27 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

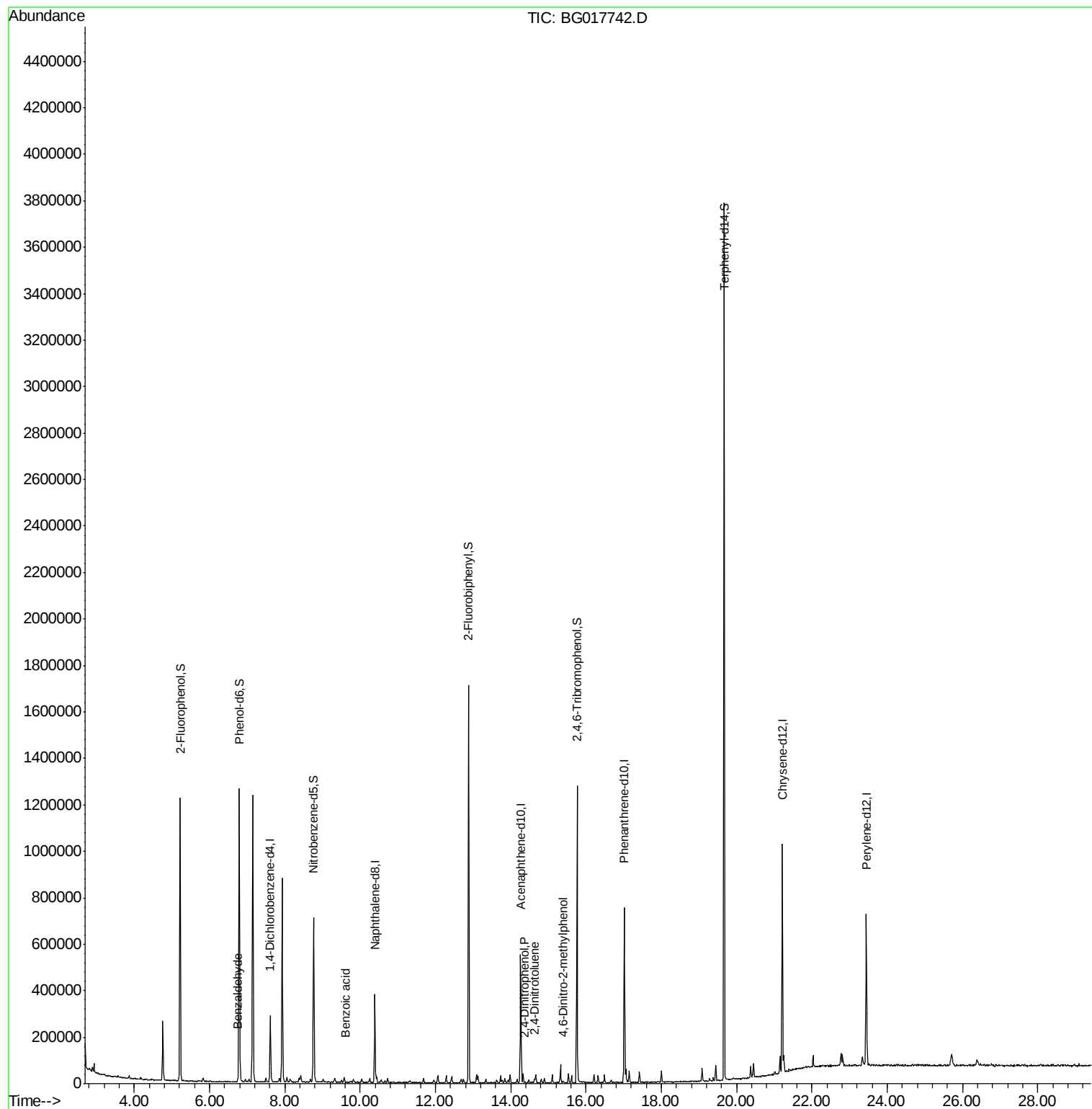
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	65136	20.00	ng	0.00
21) Naphthalene-d8	10.39	136	285675	20.00	ng	-0.01
38) Acenaphthene-d10	14.26	164	176033	20.00	ng	-0.01
63) Phenanthrene-d10	17.02	188	401444	20.00	ng	-0.01
75) Chrysene-d12	21.22	240	430320	20.00	ng	-0.01
86) Perylene-d12	23.45	264	399948	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	466213	125.61	ng	0.00
7) Phenol-d6	6.79	99	627672	120.32	ng	-0.01
23) Nitrobenzene-d5	8.76	82	383369	77.19	ng	-0.01
41) 2,4,6-Tribromophenol	15.76	330	169903	104.09	ng	-0.01
44) 2-Fluorobiphenyl	12.88	172	774702	71.48	ng	-0.02
78) Terphenyl-d14	19.67	244	1319691	69.69	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.75	77	7461	2.47	ng	Qvalue 86
32) Benzoic acid	9.61	122	253	7.86	ng	# 55
53) 2,4-Dinitrophenol	14.38	184	841	7.77	ng	# 84
56) 2,4-Dinitrotoluene	14.63	165	3492	3.75	ng	# 83
64) 4,6-Dinitro-2-methylphenol	15.40	198	1405	7.73	ng	# 73

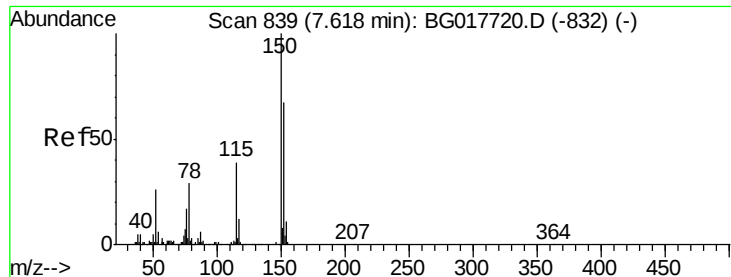
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 06:05:07 2015
Response via : Initial Calibration



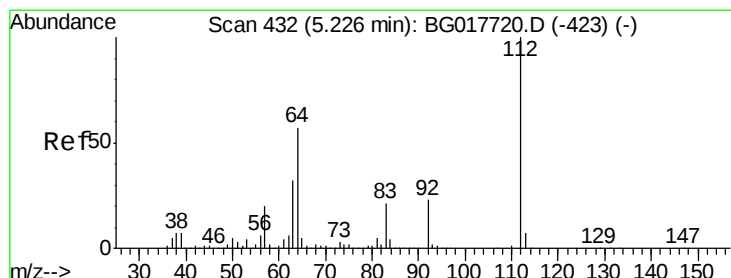
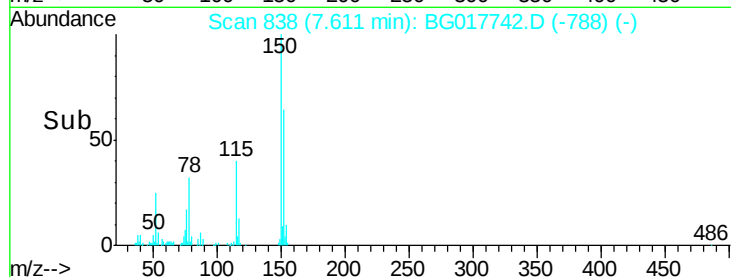
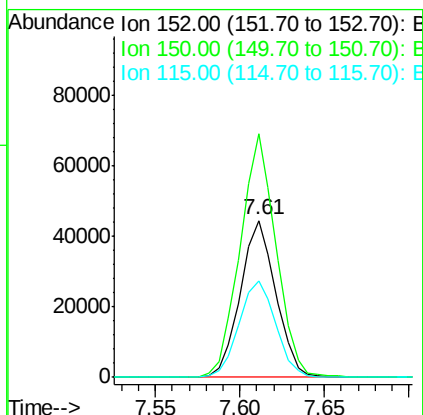
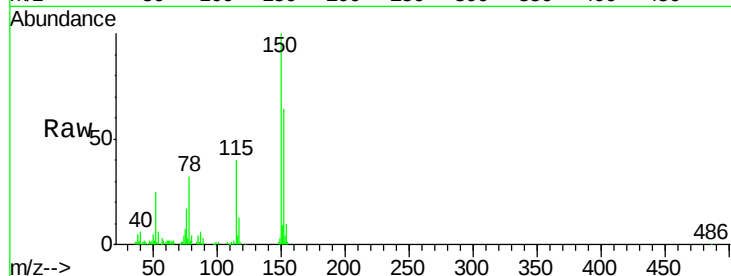


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 838
Delta R.T. -0.01 min
Lab File: BG017742.D
Acq: 22 Jun 2015 12:34

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2015-01

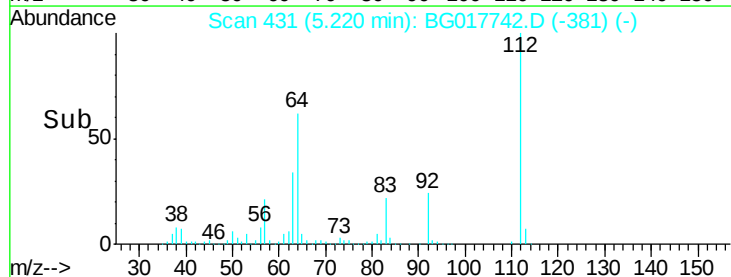
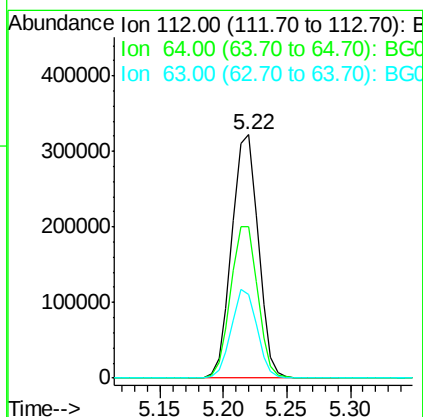
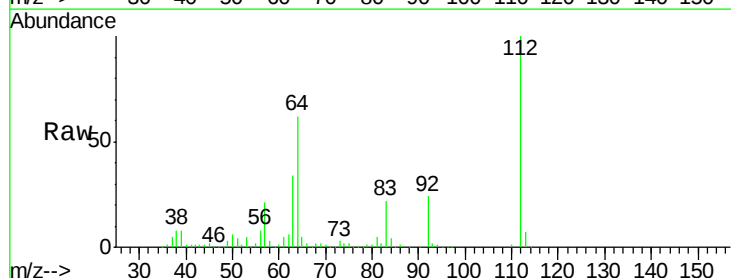
Tgt Ion:152 Resp: 65136
Ion Ratio Lower Upper
152 100
150 155.4 119.1 178.7
115 61.4 47.0 70.4

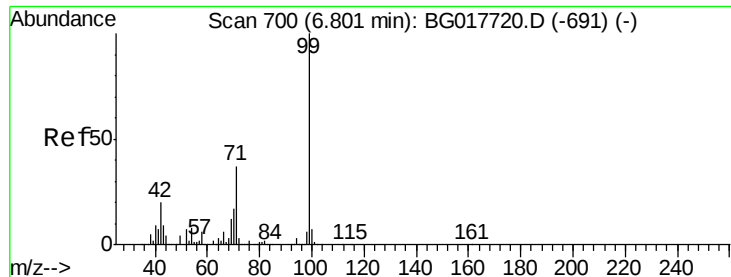


#5

2-Fluorophenol
Concen: 125.61 ng
RT: 5.22 min Scan# 431
Delta R.T. -0.01 min
Lab File: BG017742.D
Acq: 22 Jun 2015 12:34

Tgt Ion:112 Resp: 466213
Ion Ratio Lower Upper
112 100
64 62.1 45.4 68.0
63 34.3 25.3 37.9





#7

Phenol-d6

Concen: 120.32 ng

RT: 6.79 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG017742.D

Acq: 22 Jun 2015 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

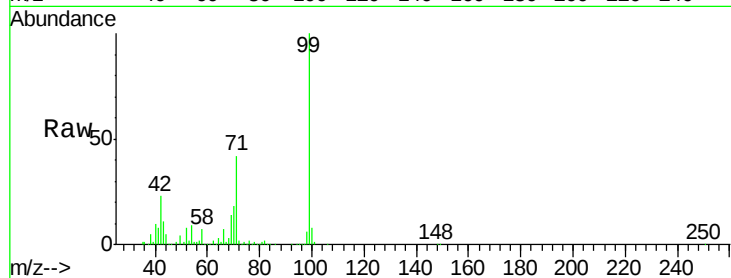
Tgt Ion: 99 Resp: 627672

Ion Ratio Lower Upper

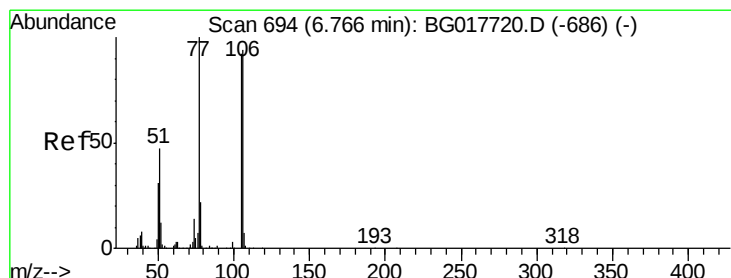
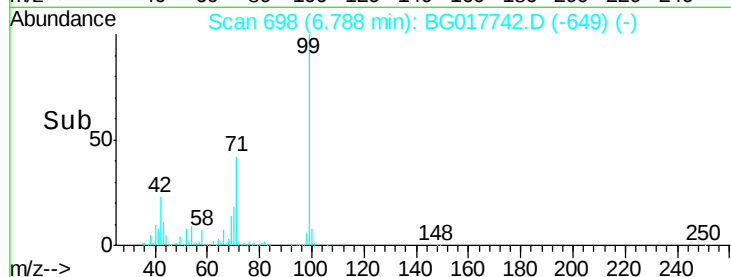
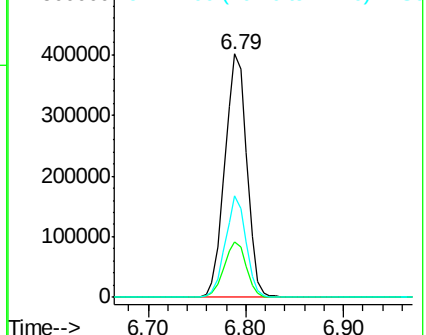
99 100

42 23.0 16.2 24.4

71 42.0 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



#9

Benzaldehyde

Concen: 2.47 ng

RT: 6.75 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG017742.D

Acq: 22 Jun 2015 12:34

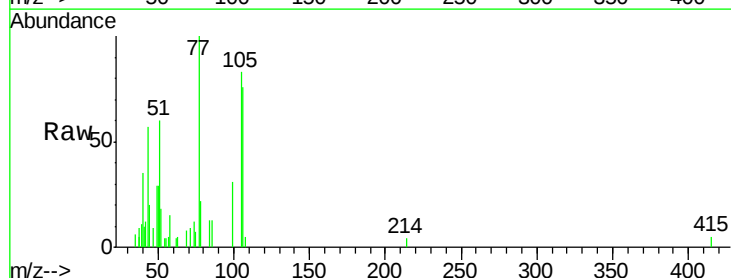
Tgt Ion: 77 Resp: 7461

Ion Ratio Lower Upper

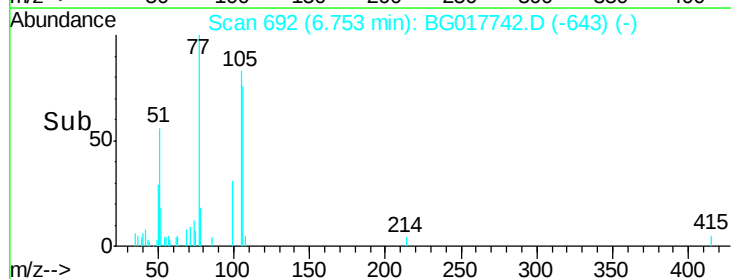
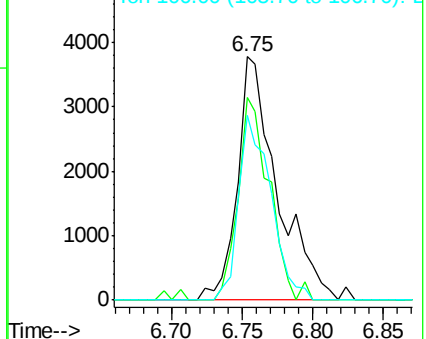
77 100

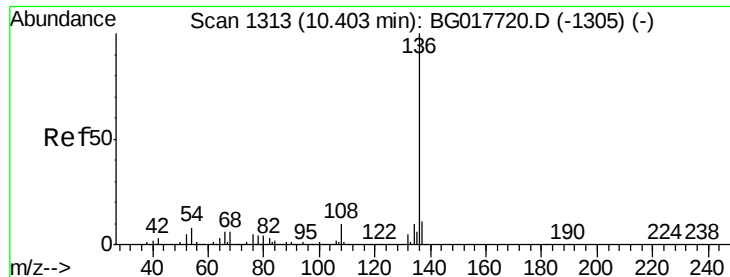
105 83.3 71.8 111.8

106 75.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

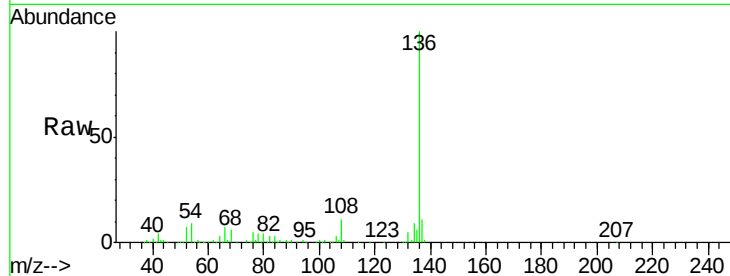




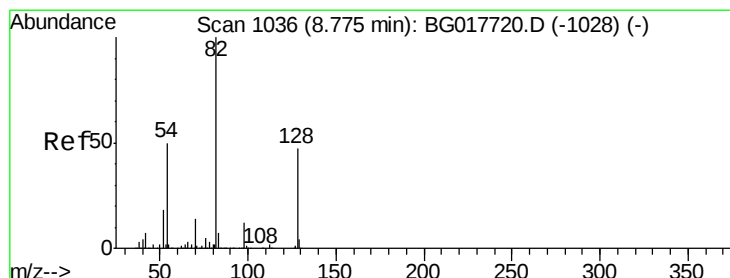
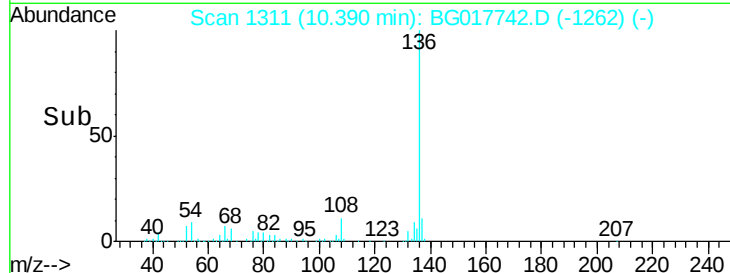
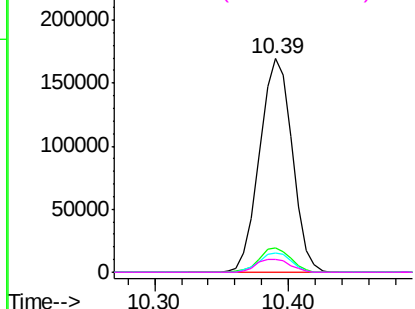
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.39 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BG017742.D
Acq: 22 Jun 2015 12:34

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2015-01

Tgt Ion:	136	Resp:	285675
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.9	6.6	9.8
68	6.1	5.1	7.7

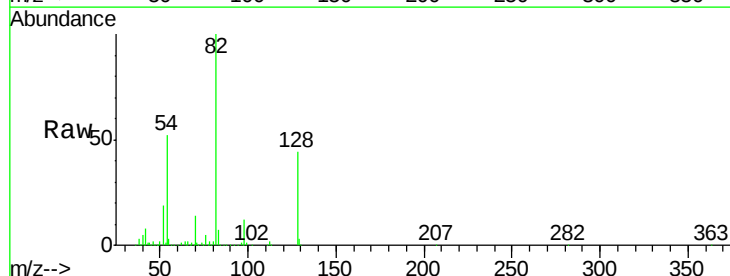


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

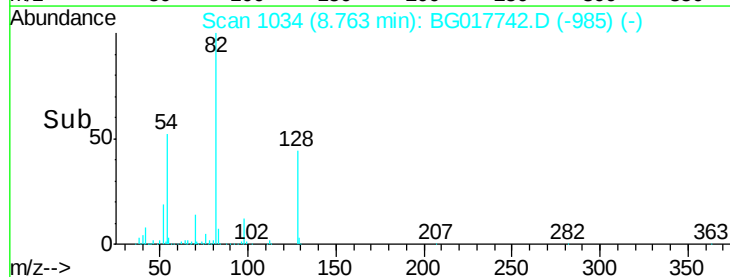
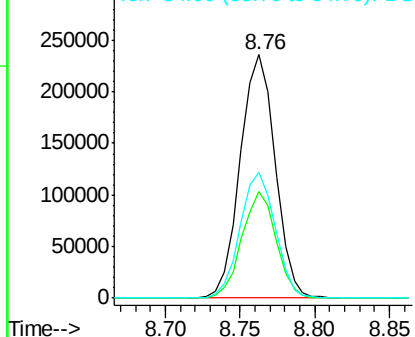


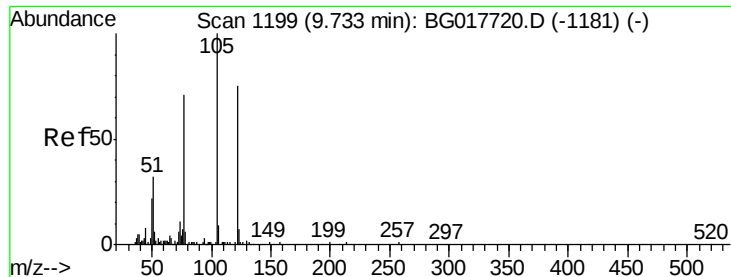
#23
Nitrobenzene-d5
Concen: 77.19 ng
RT: 8.76 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG017742.D
Acq: 22 Jun 2015 12:34

Tgt Ion:	82	Resp:	383369
Ion	Ratio	Lower	Upper
82	100		
128	43.9	37.8	56.6
54	51.6	39.9	59.9



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





#32

Benzoic acid

Concen: 7.86 ng

RT: 9.61 min Scan# 1179

Delta R.T. -0.12 min

Lab File: BG017742.D

Acq: 22 Jun 2015 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

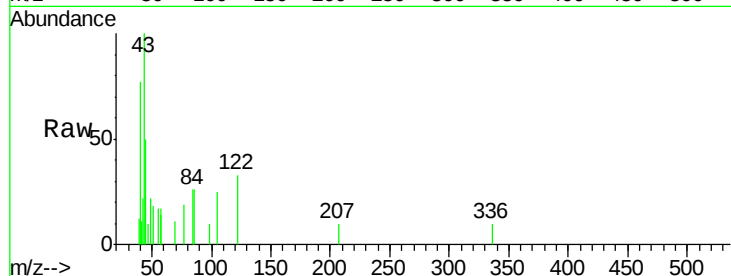
Tgt Ion:122 Resp: 253

Ion Ratio Lower Upper

122 100

105 74.2 111.3 151.3#

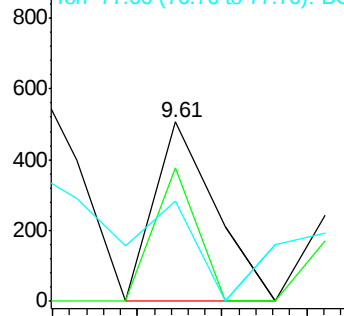
77 56.0 75.2 115.2#



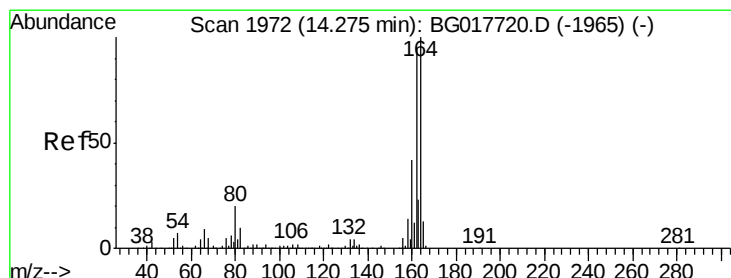
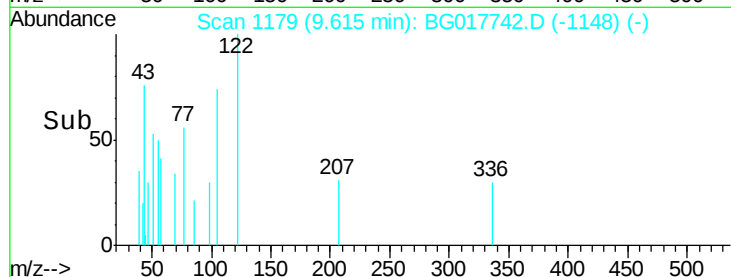
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



Time--> 9.60 9.61 9.62 9.63



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.26 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG017742.D

Acq: 22 Jun 2015 12:34

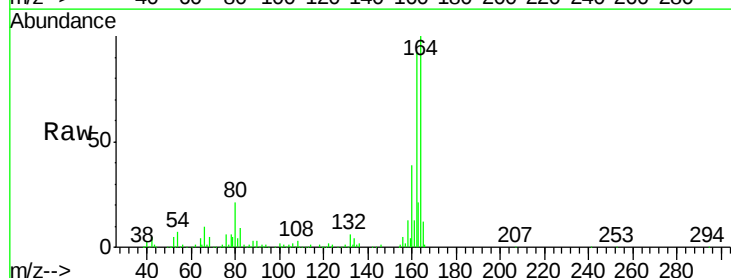
Tgt Ion:164 Resp: 176033

Ion Ratio Lower Upper

164 100

162 92.1 76.3 114.5

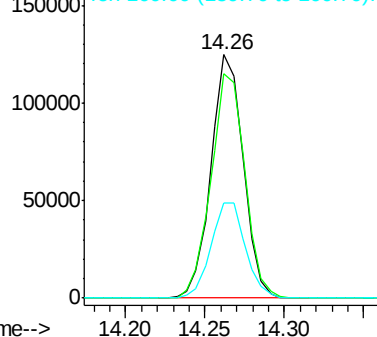
160 39.1 33.7 50.5



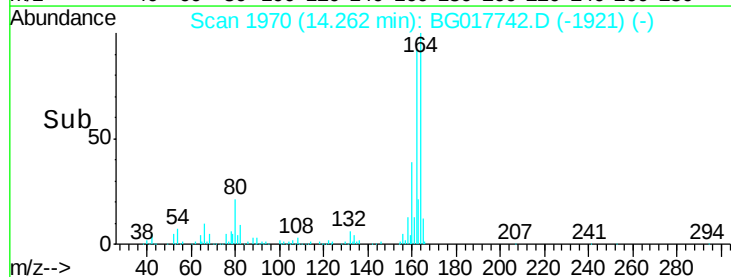
Abundance Ion 164.00 (163.70 to 164.70): E

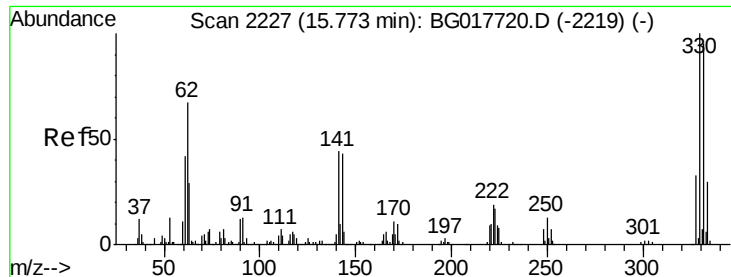
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 14.20 14.25 14.30





#41

2,4,6-Tribromophenol

Concen: 104.09 ng

RT: 15.76 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG017742.D

Acq: 22 Jun 2015 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

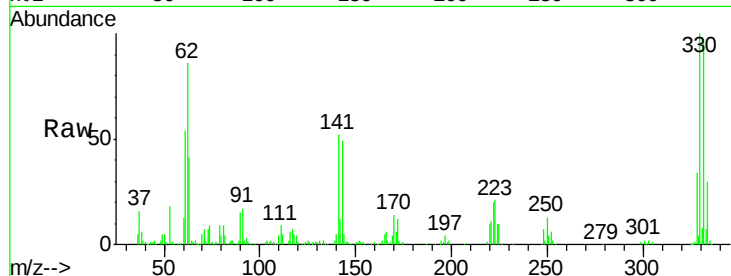
Tgt Ion:330 Resp: 169903

Ion Ratio Lower Upper

330 100

332 95.4 76.8 115.2

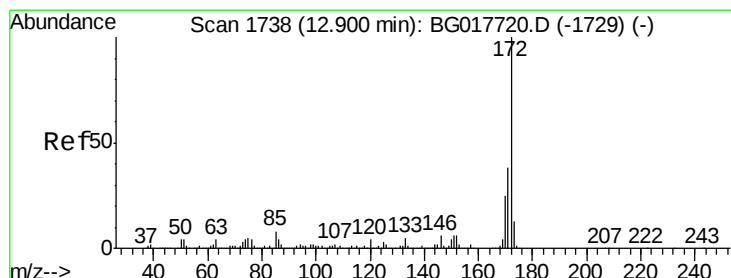
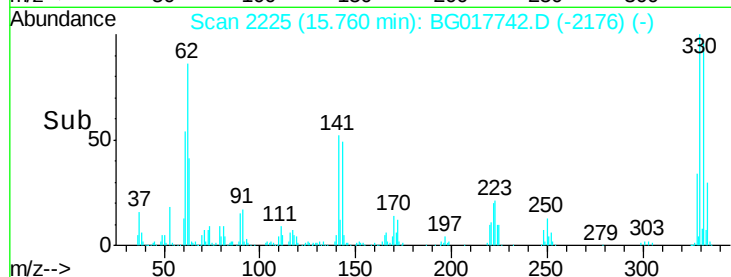
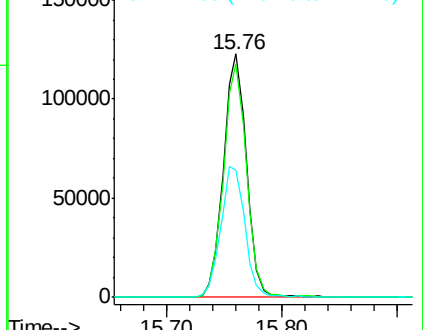
141 55.8 38.0 57.0



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: 71.48 ng

RT: 12.88 min Scan# 1735

Delta R.T. -0.02 min

Lab File: BG017742.D

Acq: 22 Jun 2015 12:34

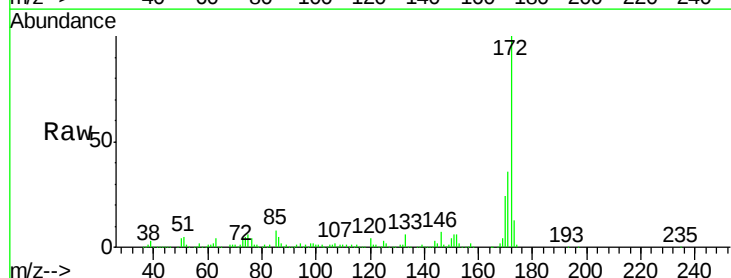
Tgt Ion:172 Resp: 774702

Ion Ratio Lower Upper

172 100

171 36.1 30.7 46.1

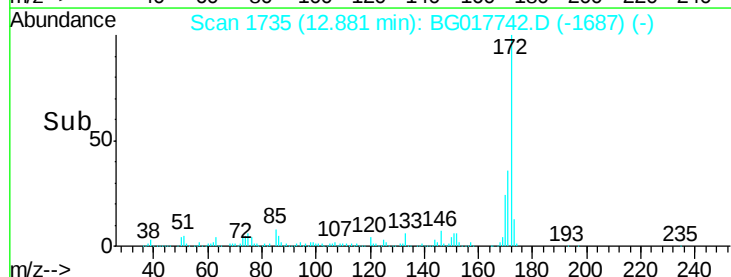
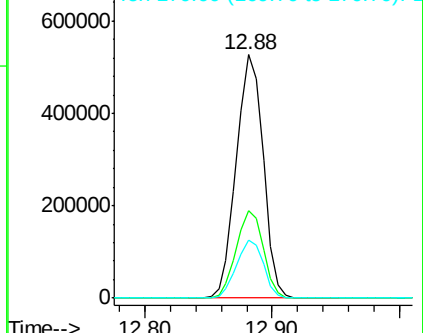
170 24.1 19.7 29.5

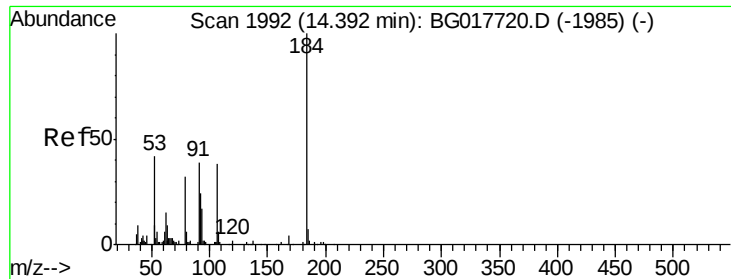


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

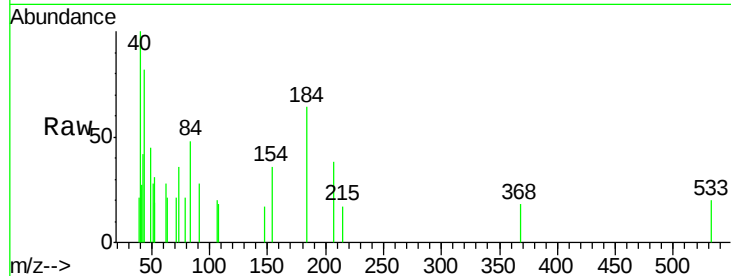




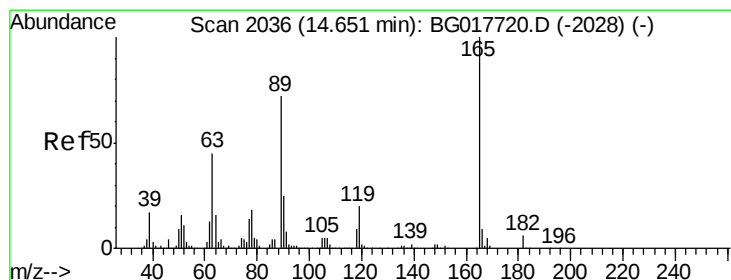
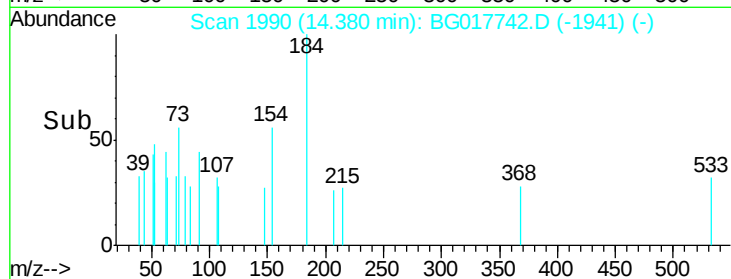
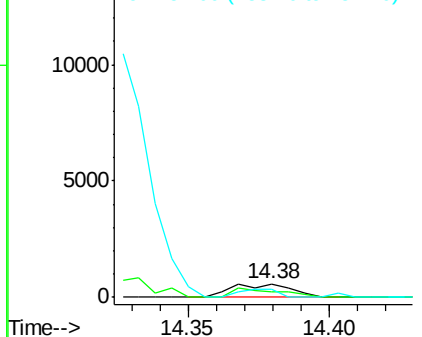
#53
2,4-Dinitrophenol
Concen: 7.77 ng
RT: 14.38 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BG017742.D
Acq: 22 Jun 2015 12:34

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2015-01

Tgt Ion:184 Resp: 841
Ion Ratio Lower Upper
184 100
63 44.2 47.8 71.6#
154 56.5 39.3 58.9

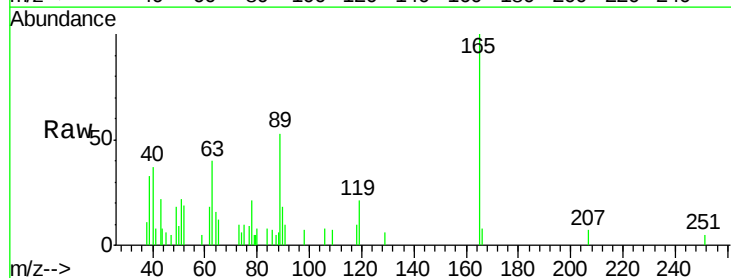


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

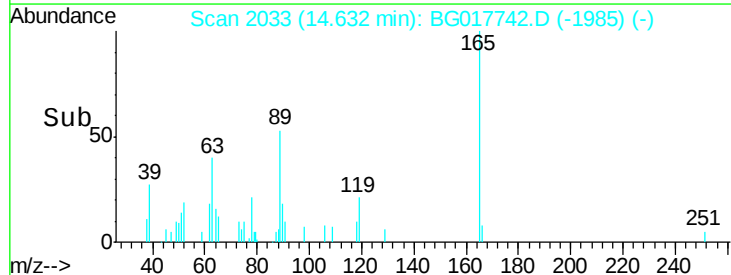
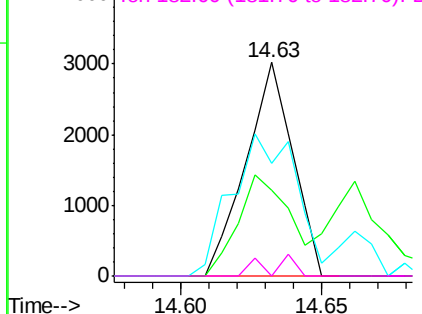


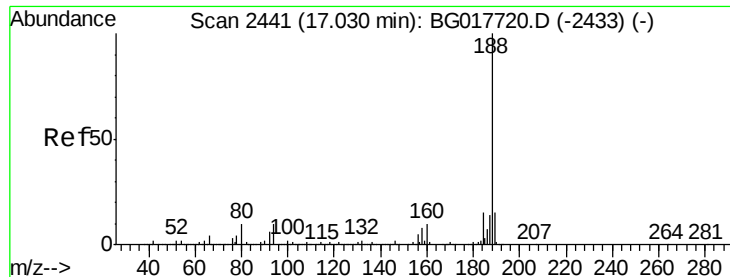
#56
2,4-Dinitrotoluene
Concen: 3.75 ng
RT: 14.63 min Scan# 2033
Delta R.T. -0.02 min
Lab File: BG017742.D
Acq: 22 Jun 2015 12:34

Tgt Ion:165 Resp: 3492
Ion Ratio Lower Upper
165 100
63 40.4 36.2 54.4
89 52.6 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: 17.02 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG017742.D

Acq: 22 Jun 2015 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

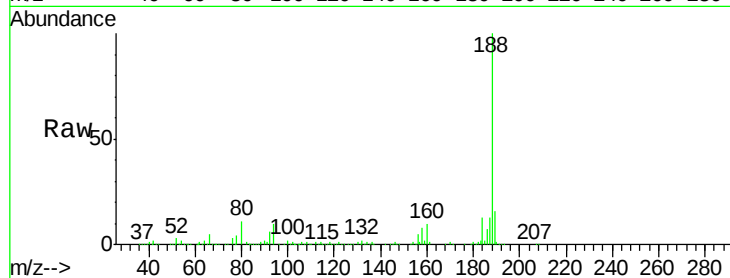
Tgt Ion:188 Resp: 401444

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.2

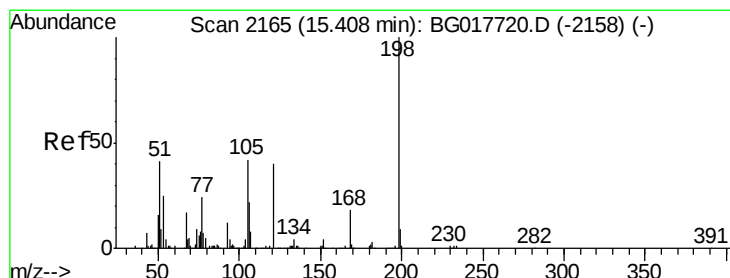
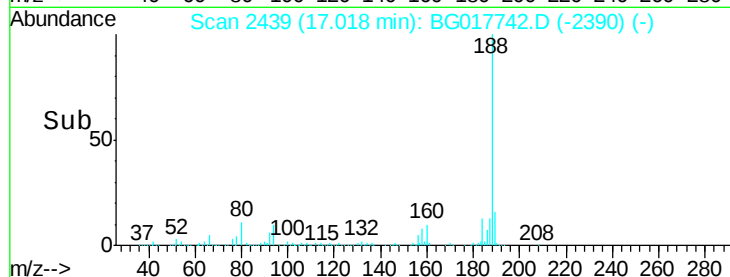
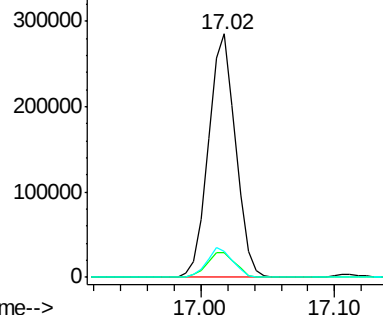
80 10.8 8.2 12.4



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: 7.73 ng

RT: 15.40 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BG017742.D

Acq: 22 Jun 2015 12:34

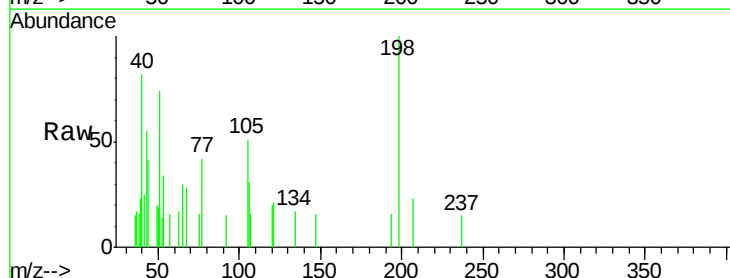
Tgt Ion:198 Resp: 1405

Ion Ratio Lower Upper

198 100

51 74.0 27.0 67.0#

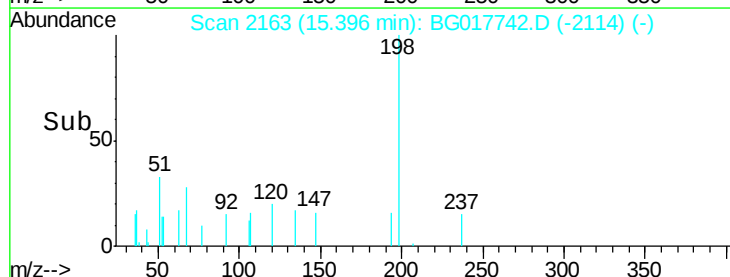
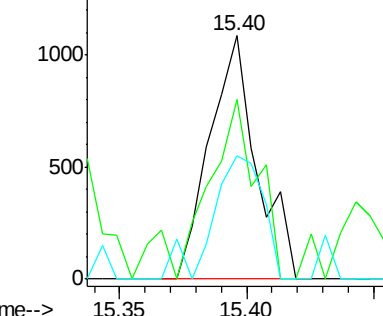
105 50.8 23.3 63.3

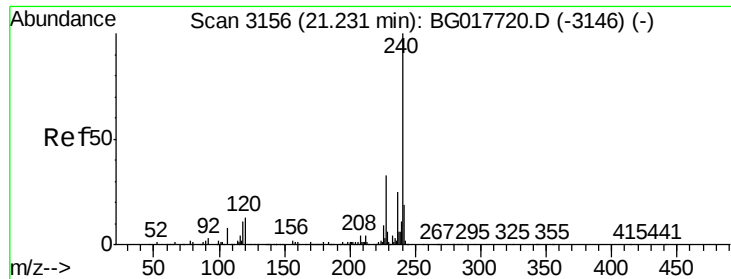


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.22 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BG017742.D

Acq: 22 Jun 2015 12:34

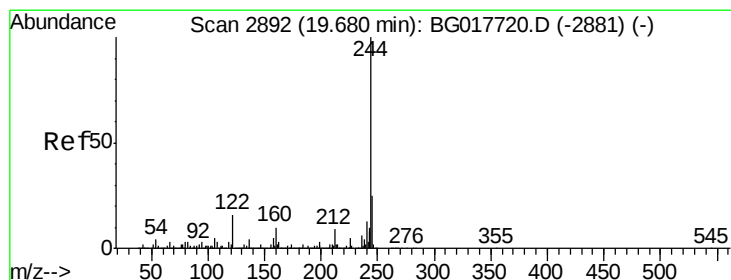
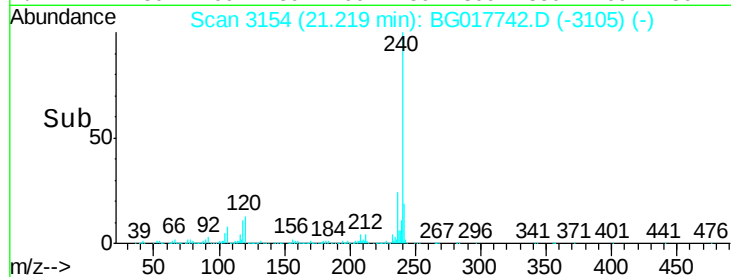
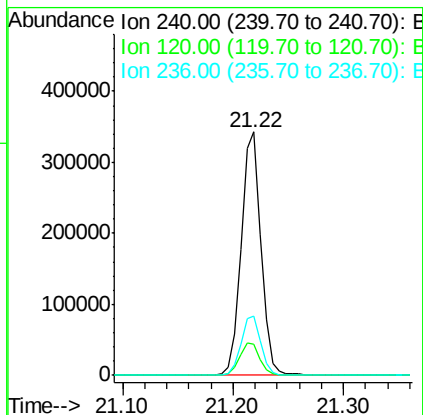
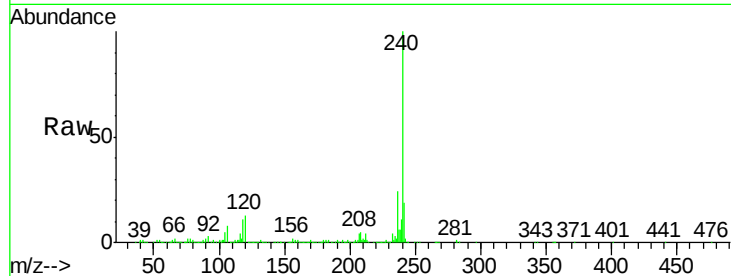
Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

Tgt Ion:	240	Resp:	430320
Ion Ratio		Lower	Upper
240	100		
120	12.7	10.8	16.2
236	24.3	20.0	30.0



#78

Terphenyl-d14

Concen: 69.69 ng

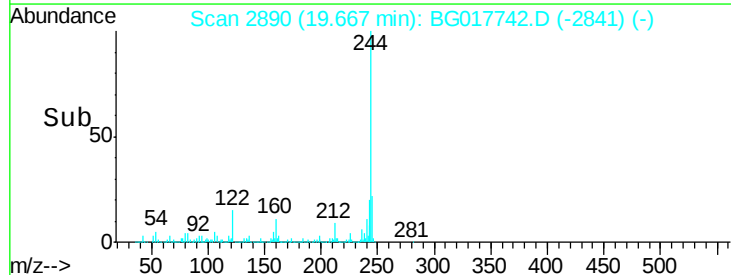
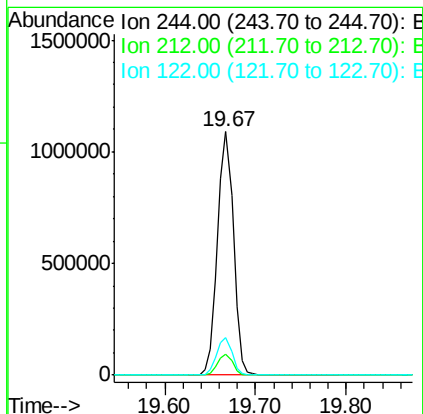
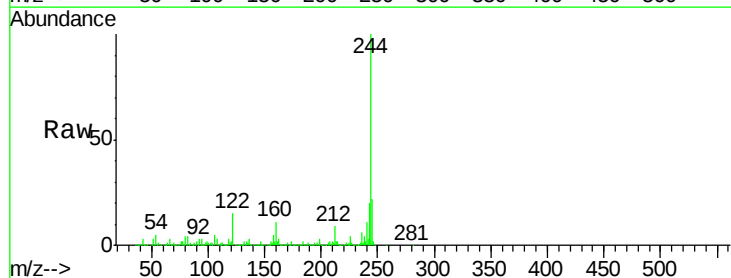
RT: 19.67 min Scan# 2890

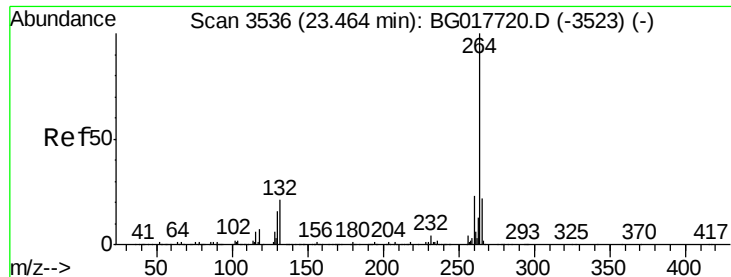
Delta R.T. -0.01 min

Lab File: BG017742.D

Acq: 22 Jun 2015 12:34

Tgt Ion:	244	Resp:	1319691
Ion Ratio		Lower	Upper
244	100		
212	8.5	7.2	10.8
122	15.3	12.8	19.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.45 min Scan# 3533

Delta R.T. -0.02 min

Lab File: BG017742.D

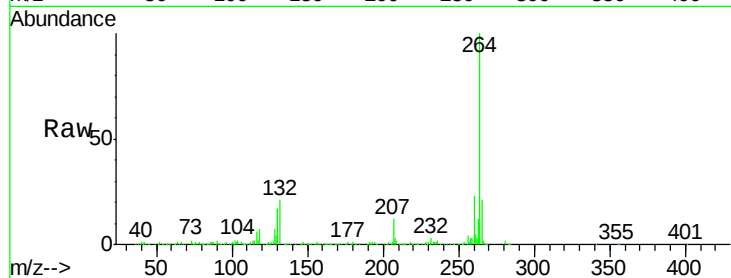
Acq: 22 Jun 2015 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01



Tgt Ion: 264 Resp: 399948

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 21.3 18.2 27.2

