

Data Path : S:\HPCHEM1\BNA_G\DATA\BG010615\
 Data File : BG015857.D
 Acq On : 6 Jan 2015 12:57
 Operator : TP/IZ
 Sample : G1001-05
 Misc : LOD-WATER-5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2015-01

Quant Time: Jan 07 17:45:23 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG010515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 06 08:46:19 2015
 Response via : Initial Calibration

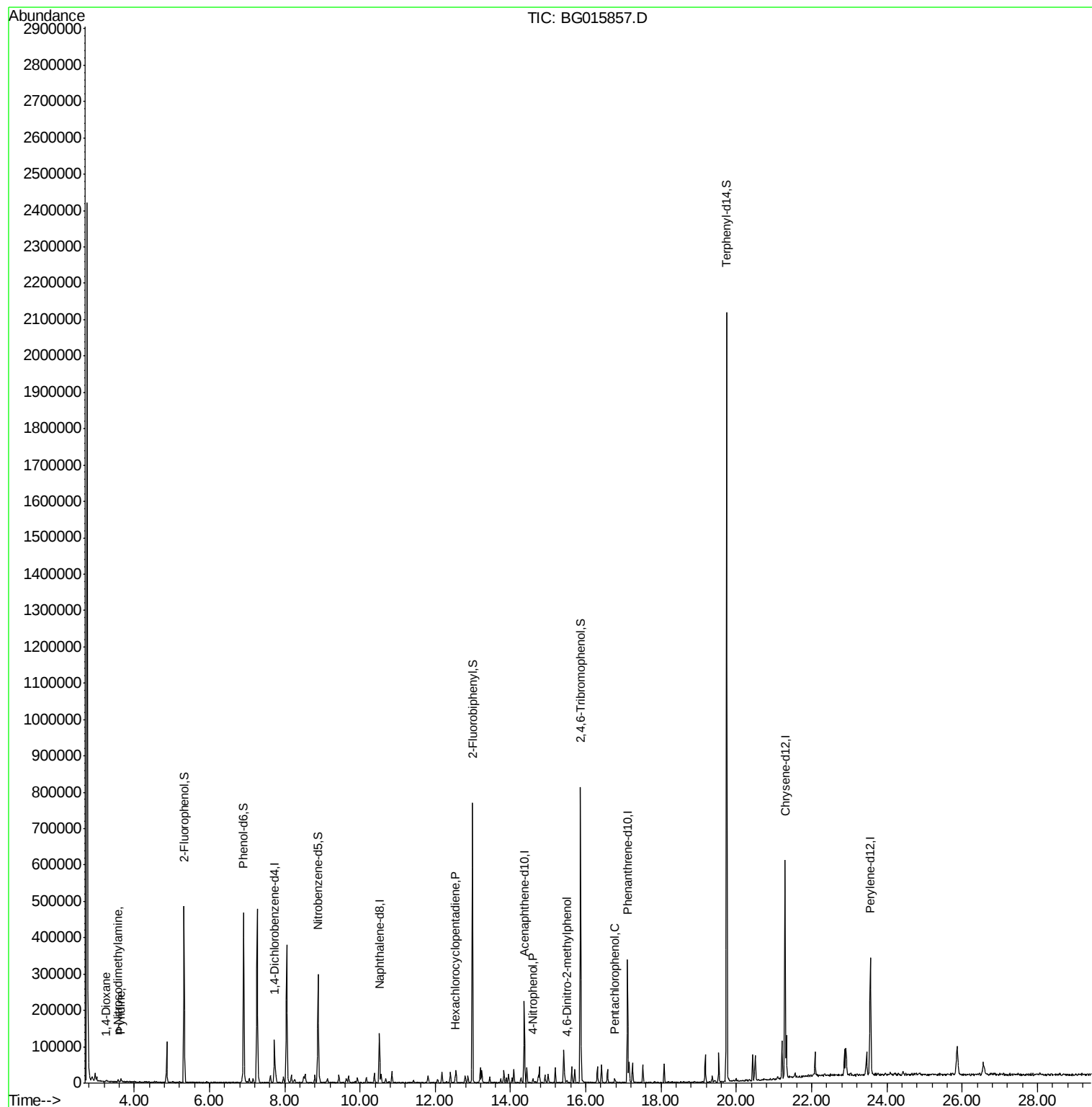
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	25468	20.00	ng	0.00
21) Naphthalene-d8	10.51	136	96935	20.00	ng	0.00
38) Acenaphthene-d10	14.37	164	72254	20.00	ng	0.00
63) Phenanthrene-d10	17.11	188	177409	20.00	ng	0.00
75) Chrysene-d12	21.29	240	274461	20.00	ng	0.00
86) Perylene-d12	23.55	264	257353	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	170664	57.63	ng	0.00
7) Phenol-d6	6.91	99	232076	56.27	ng	0.00
23) Nitrobenzene-d5	8.88	82	164381	33.27	ng	0.00
41) 2,4,6-Tribromophenol	15.86	330	145420	52.95	ng	0.00
44) 2-Fluorobiphenyl	12.98	172	352566	34.85	ng	0.00
78) Terphenyl-d14	19.74	244	855617	34.83	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.25	88	1838	2.71	ng	# 41
3) Pyridine	3.65	79	5686	3.05	ng	89
4) n-Nitrosodimethylamine	3.57	42	2635	3.29	ng	# 69
40) Hexachlorocyclopentadiene	12.53	237	3675	4.72	ng	94
55) 4-Nitrophenol	14.59	139	2597	2.88	ng	# 55
64) 4,6-Dinitro-2-methylphenol	15.49	198	1630	4.70	ng	85
69) Pentachlorophenol	16.77	266	2483	4.44	ng	# 58

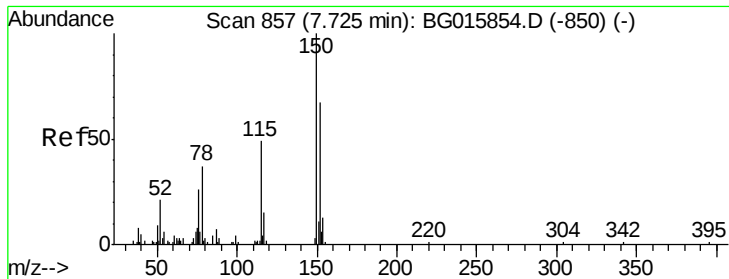
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.73 min Scan# 858

Delta R.T. 0.00 min

Lab File: BG015857.D

Acq: 6 Jan 2015 12:57

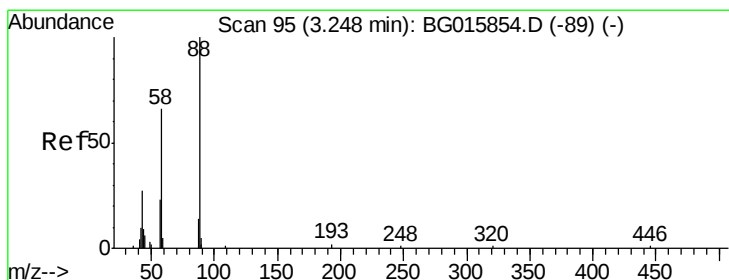
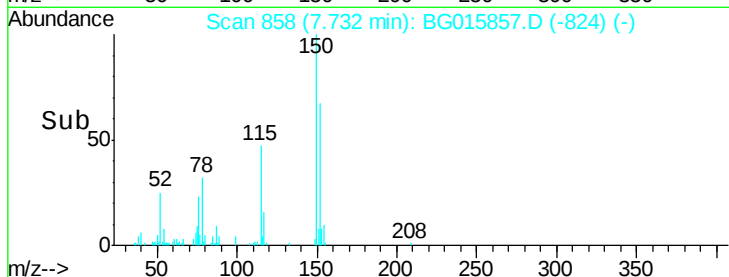
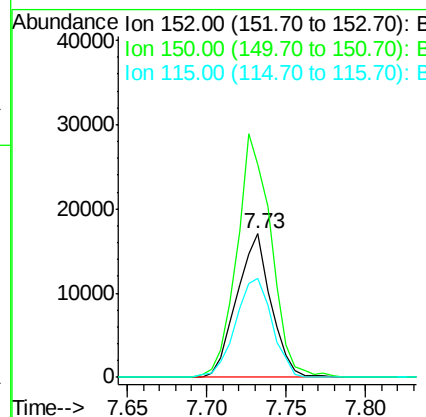
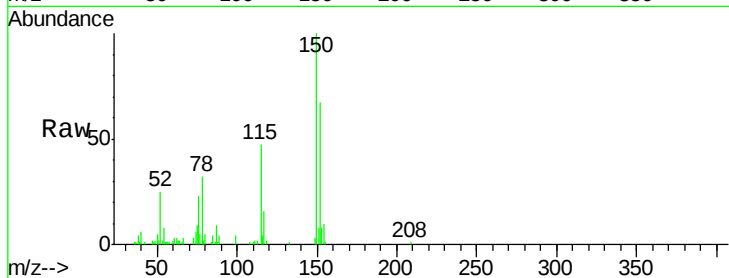
Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

Tgt Ion:	152	Resp:	25468
Ion	Ratio	Lower	Upper
152	100		
150	148.2	120.5	180.7
115	69.3	54.0	81.0



#2

1,4-Dioxane

Concen: 2.71 ng

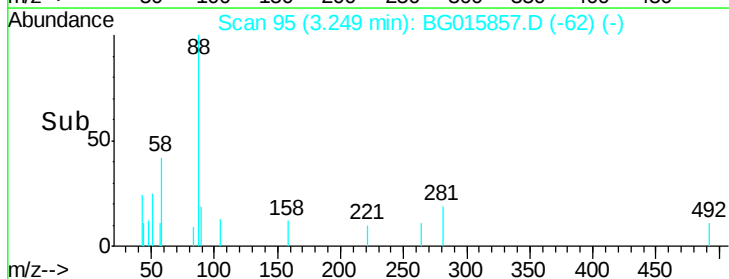
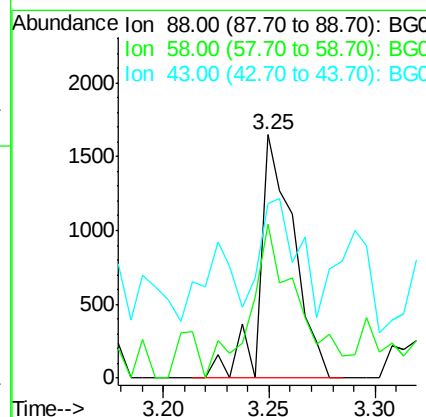
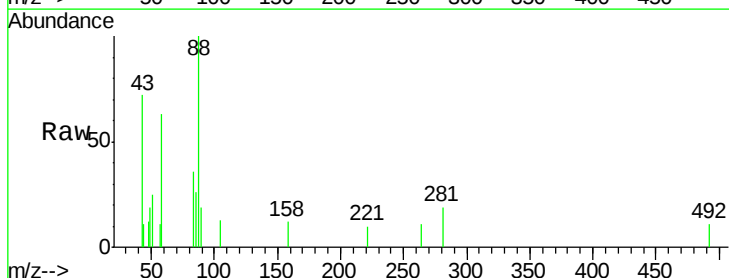
RT: 3.25 min Scan# 95

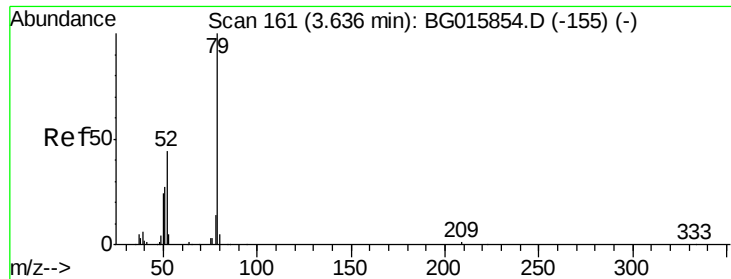
Delta R.T. -0.01 min

Lab File: BG015857.D

Acq: 6 Jan 2015 12:57

Tgt Ion:	88	Resp:	1838
Ion	Ratio	Lower	Upper
88	100		
58	89.7	37.9	56.9#
43	52.7	20.7	31.1#





#3

Pyridine

Concen: 3.05 ng

RT: 3.65 min Scan# 163

Delta R.T. 0.00 min

Lab File: BG015857.D

Acq: 6 Jan 2015 12:57

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

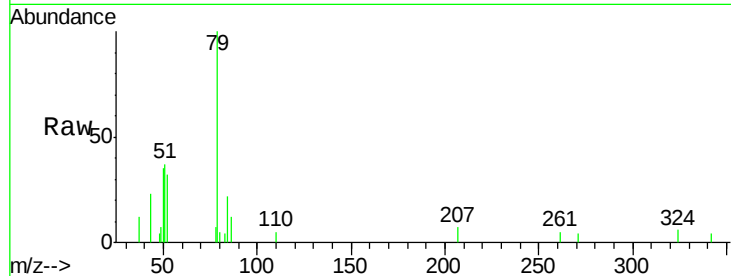
Tgt Ion: 79 Resp: 5686

Ion Ratio Lower Upper

79 100

52 31.6 30.6 46.0

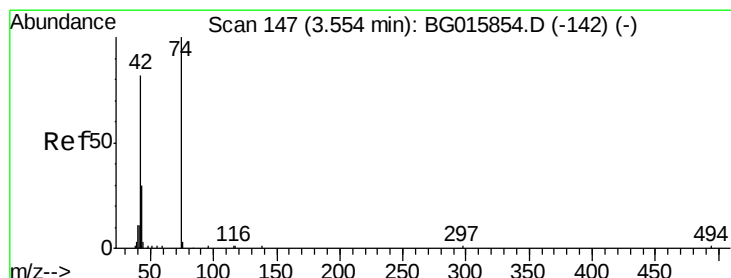
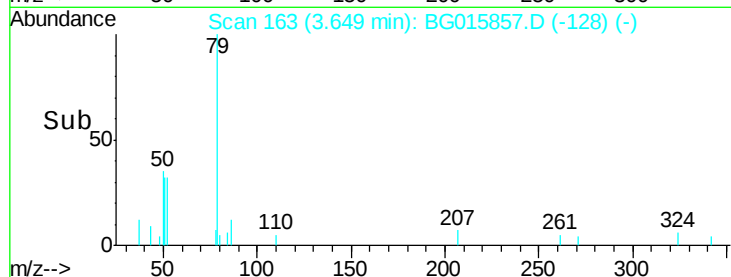
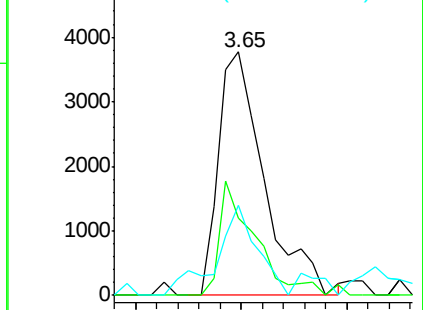
51 36.9 24.9 37.3



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



#4

n-Nitrosodimethylamine

Concen: 3.29 ng

RT: 3.57 min Scan# 149

Delta R.T. 0.00 min

Lab File: BG015857.D

Acq: 6 Jan 2015 12:57

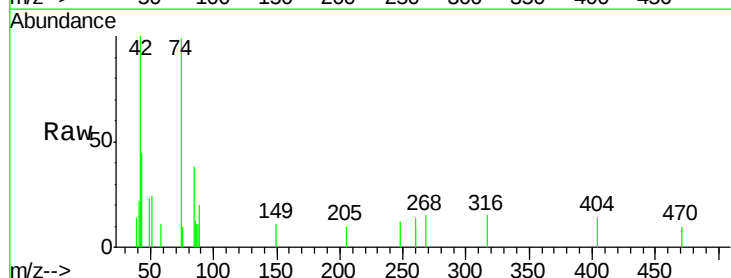
Tgt Ion: 42 Resp: 2635

Ion Ratio Lower Upper

42 100

74 98.5 108.8 163.2#

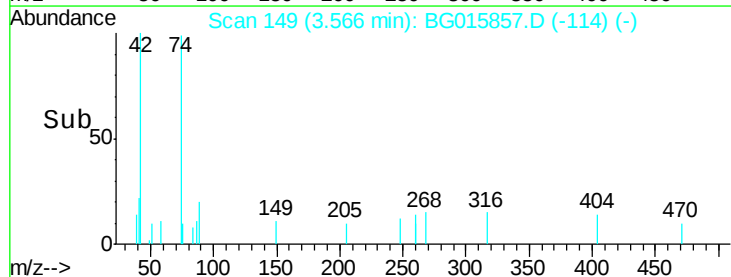
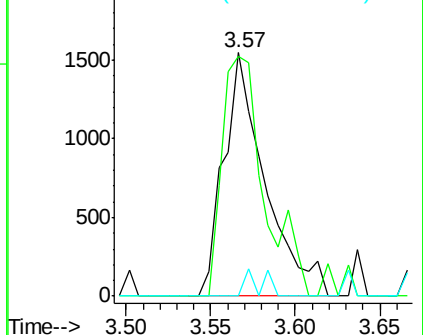
44 0.0 4.4 6.6#

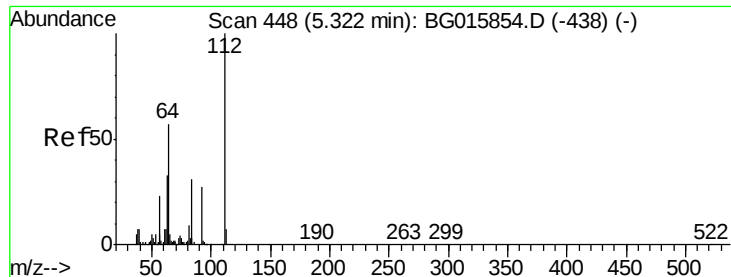


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 57.63 ng

RT: 5.33 min Scan# 449

Delta R.T. -0.00 min

Lab File: BG015857.D

Acq: 6 Jan 2015 12:57

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

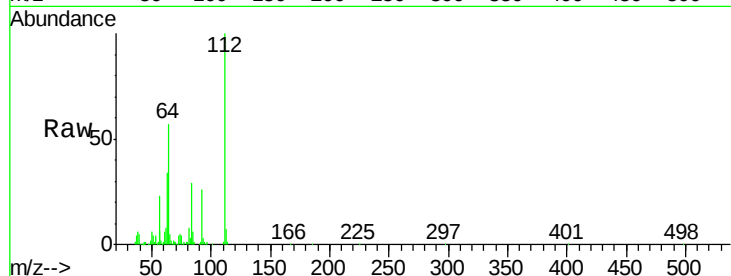
Tgt Ion: 112 Resp: 170664

Ion Ratio Lower Upper

112 100

64 56.6 46.8 70.2

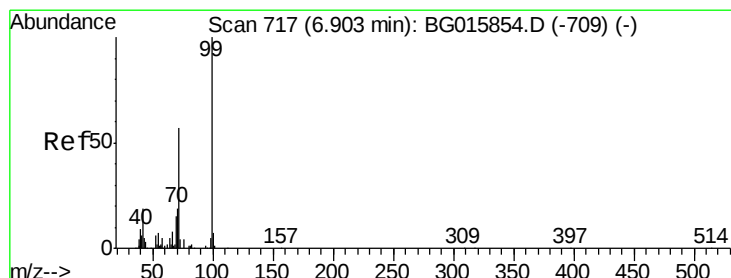
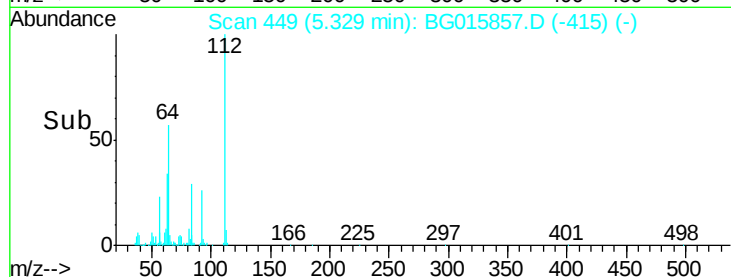
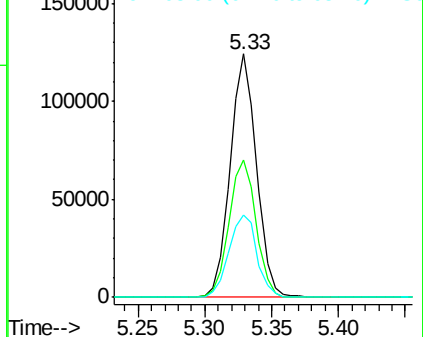
63 33.9 30.6 45.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 56.27 ng

RT: 6.91 min Scan# 718

Delta R.T. -0.00 min

Lab File: BG015857.D

Acq: 6 Jan 2015 12:57

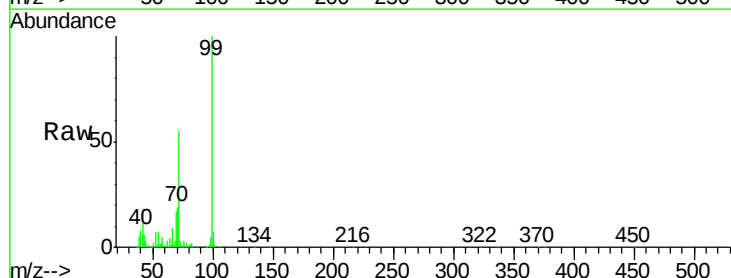
Tgt Ion: 99 Resp: 232076

Ion Ratio Lower Upper

99 100

42 18.4 13.8 20.8

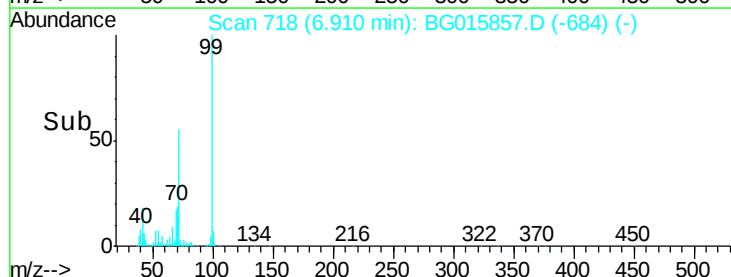
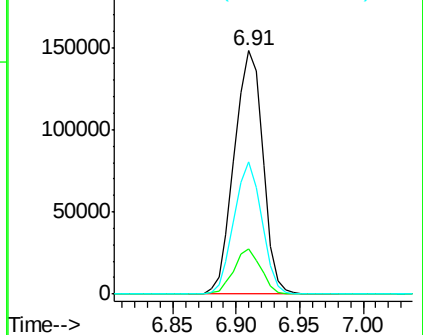
71 54.6 42.8 64.2

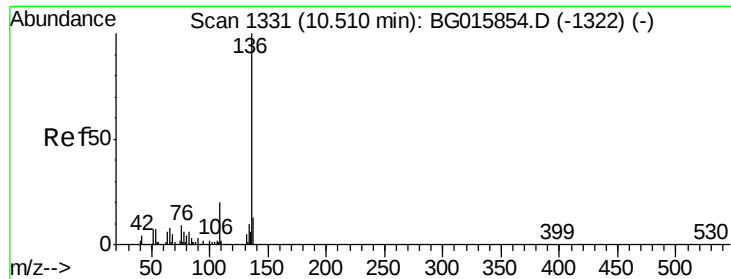


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

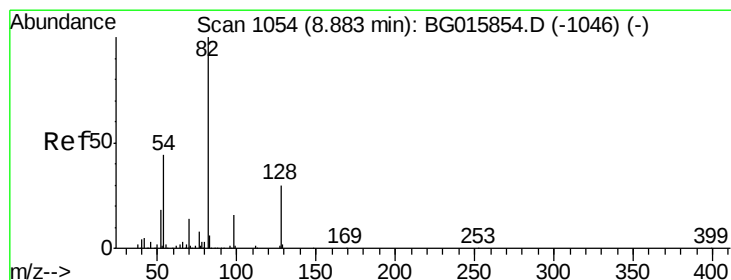
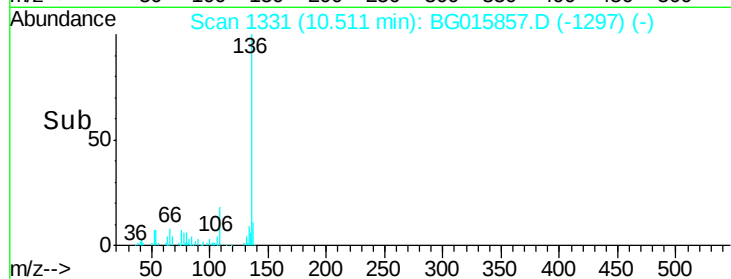
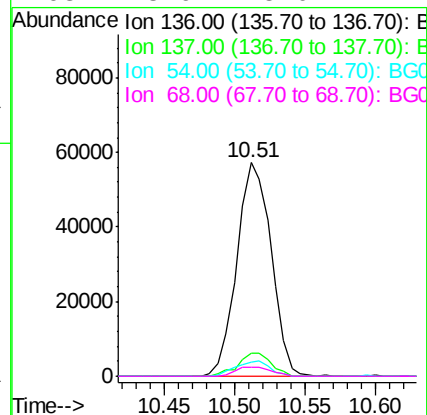
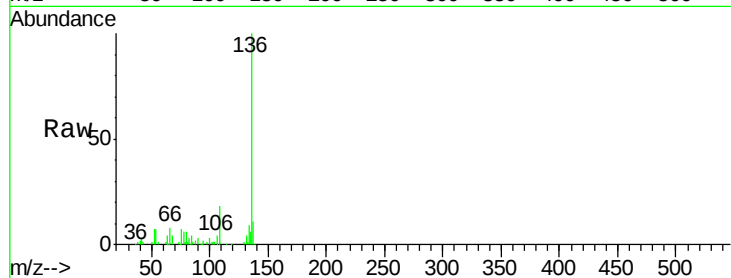




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.51 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BG015857.D
Acq: 6 Jan 2015 12:57

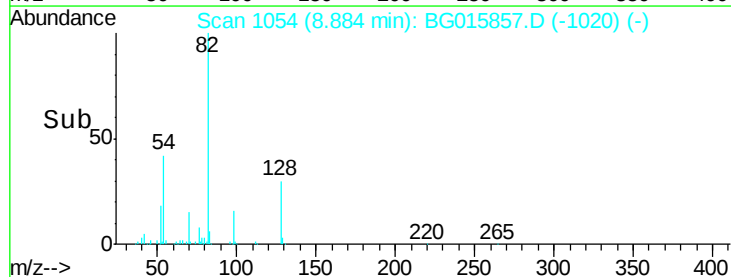
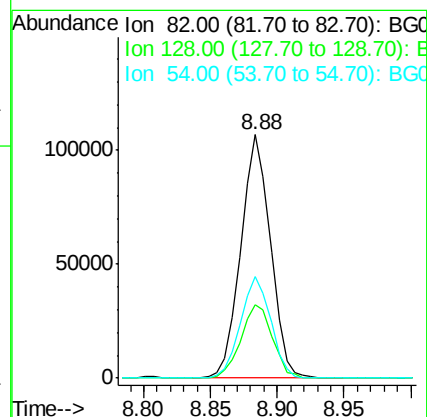
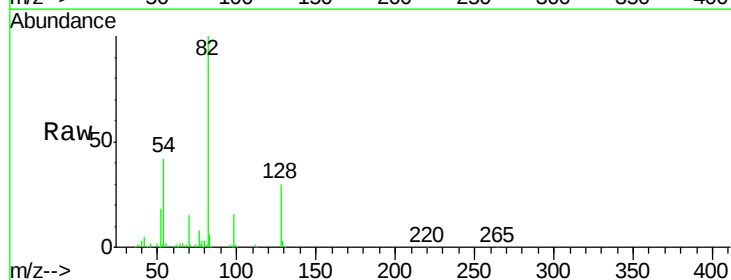
Instrument :
BNA_G
ClientSampleId :
LOD-WATER2015-01

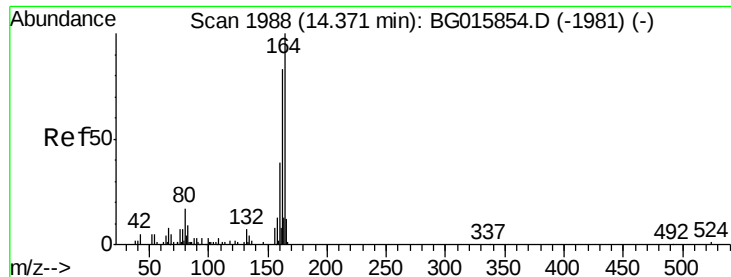
Tgt Ion:	136	Resp:	96935
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.6	14.4
54	6.6	4.5	6.7
68	3.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 33.27 ng
RT: 8.88 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BG015857.D
Acq: 6 Jan 2015 12:57

Tgt Ion:	82	Resp:	164381
Ion	Ratio	Lower	Upper
82	100		
128	30.0	23.4	35.0
54	41.6	32.3	48.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.37 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BG015857.D

Acq: 6 Jan 2015 12:57

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

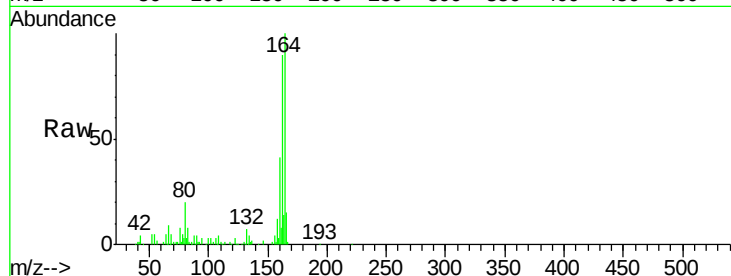
Tgt Ion:164 Resp: 72254

Ion Ratio Lower Upper

164 100

162 90.3 75.5 113.3

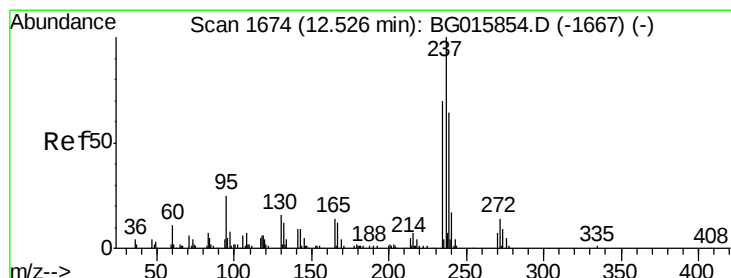
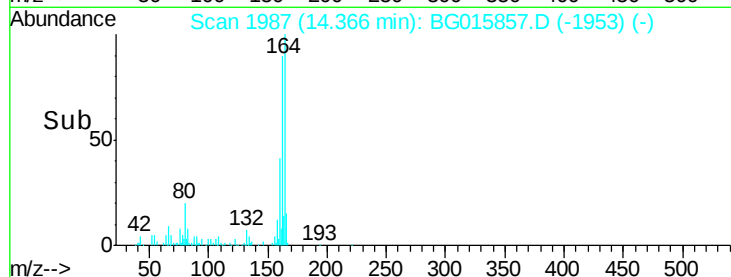
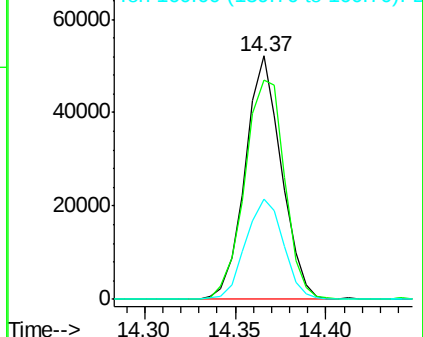
160 41.0 37.4 56.0



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: 4.72 ng

RT: 12.53 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BG015857.D

Acq: 6 Jan 2015 12:57

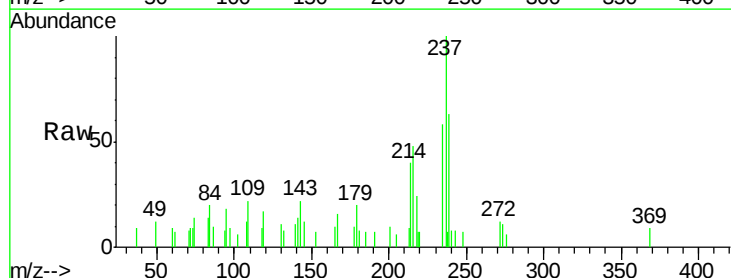
Tgt Ion:237 Resp: 3675

Ion Ratio Lower Upper

237 100

235 58.4 43.2 83.2

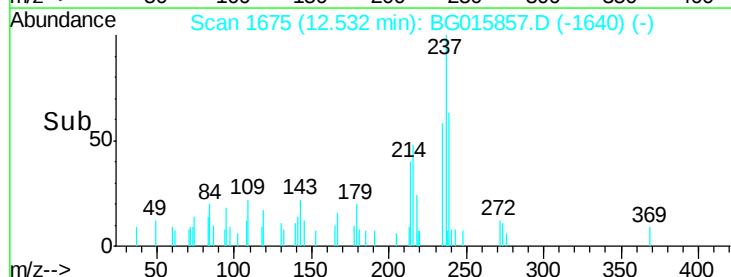
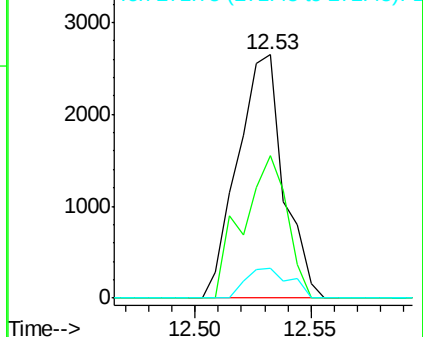
272 12.2 0.0 31.1

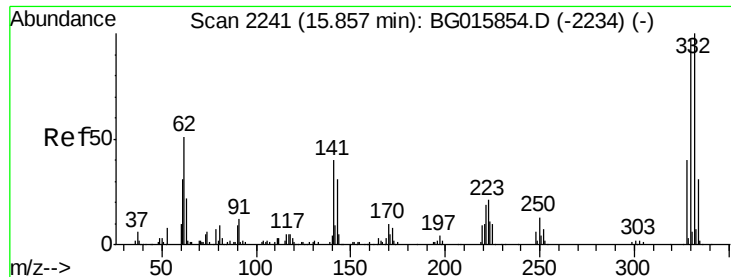


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

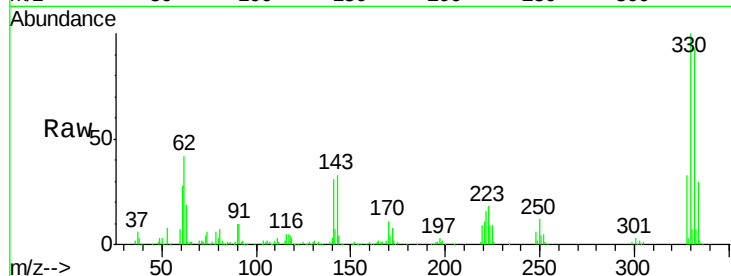




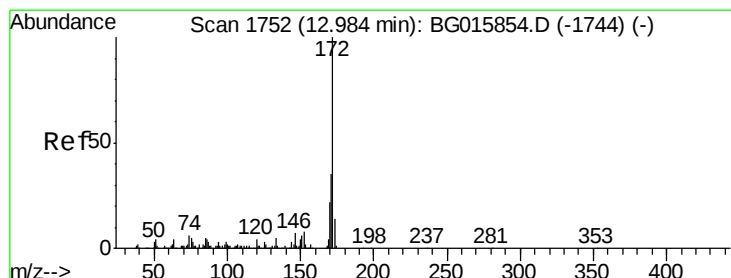
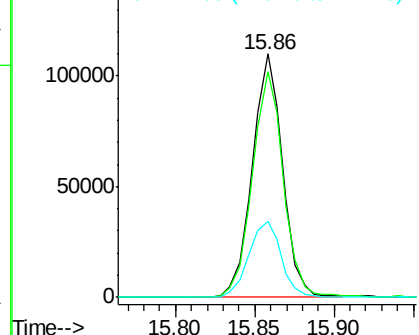
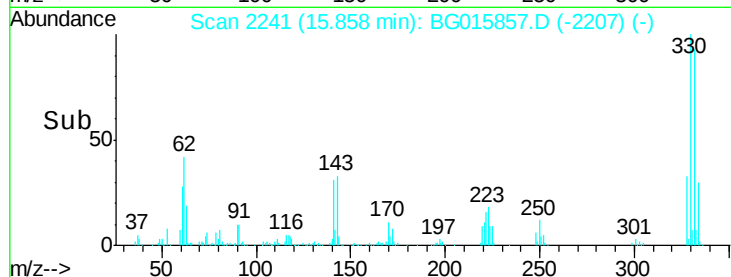
#41
 2,4,6-Tribromophenol
 Concen: 52.95 ng
 RT: 15.86 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: BG015857.D
 Acq: 6 Jan 2015 12:57

Instrument :
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 LOD-WATER2015-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	73.8	110.8
141	33.4	27.2	40.8

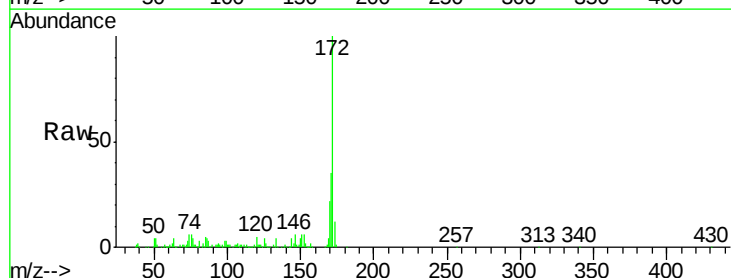


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

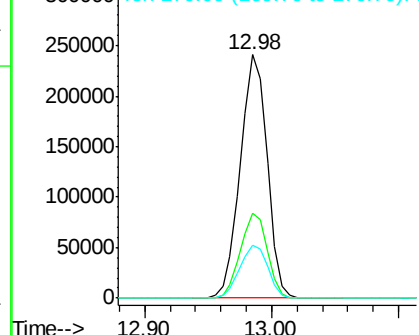
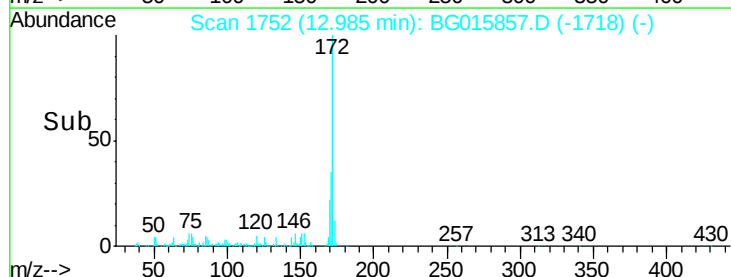


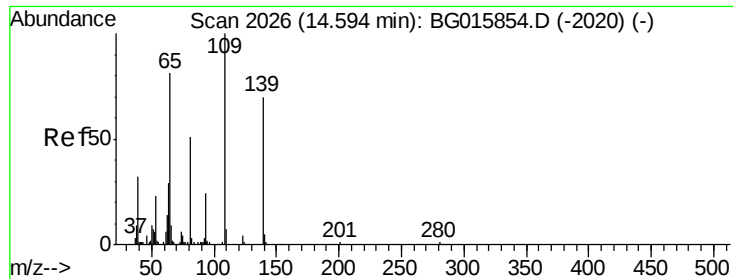
#44
 2-Fluorobiphenyl
 Concen: 34.85 ng
 RT: 12.98 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: BG015857.D
 Acq: 6 Jan 2015 12:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	21.7	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

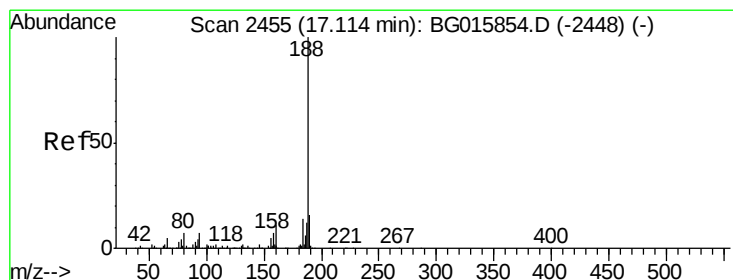
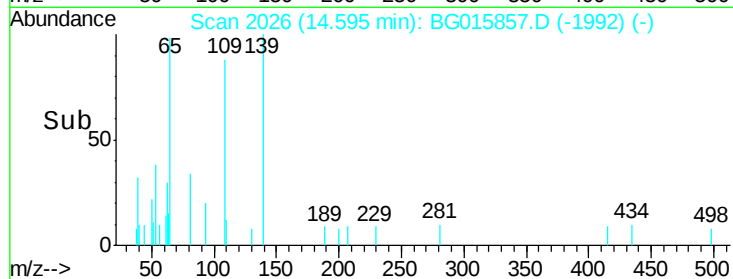
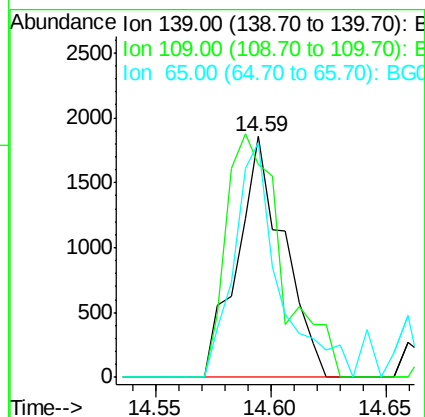
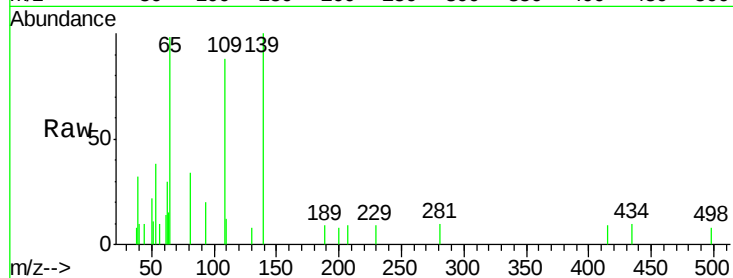




#55
4-Nitrophenol
Concen: 2.88 ng
RT: 14.59 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG015857.D
Acq: 6 Jan 2015 12:57

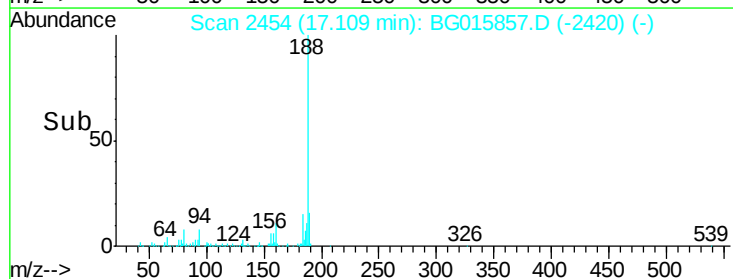
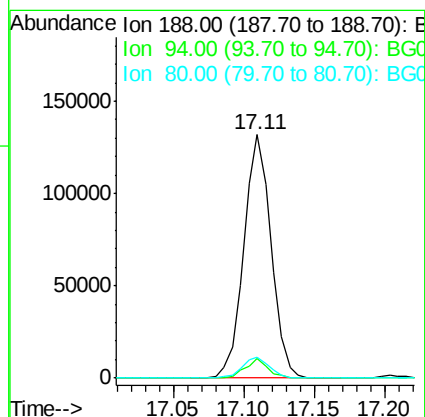
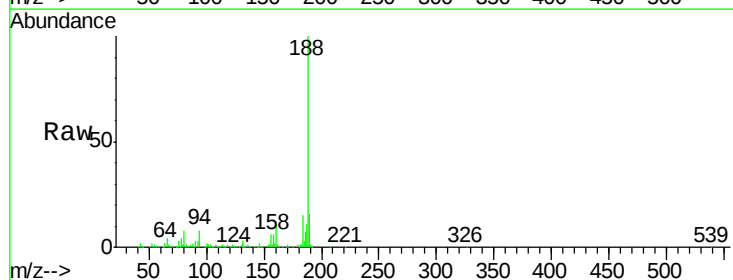
Instrument :
BNA_G
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LOD-WATER2015-01

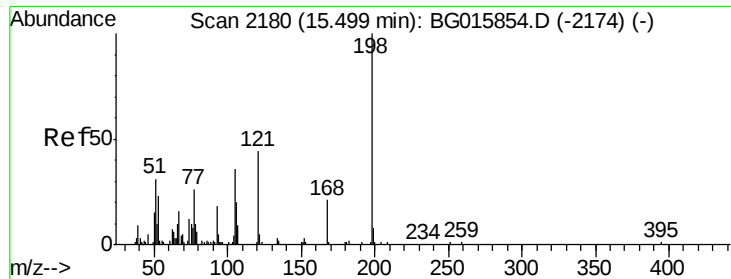
Tgt Ion:139 Resp: 2597
Ion Ratio Lower Upper
139 100
109 88.3 144.0 184.0#
65 97.6 115.4 155.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.11 min Scan# 2454
Delta R.T. -0.00 min
Lab File: BG015857.D
Acq: 6 Jan 2015 12:57

Tgt Ion:188 Resp: 177409
Ion Ratio Lower Upper
188 100
94 8.2 5.4 8.0#
80 8.3 6.6 9.8

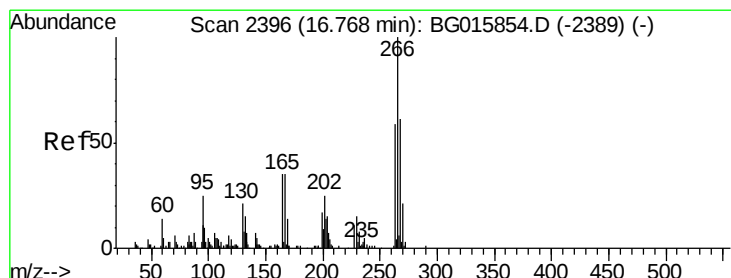
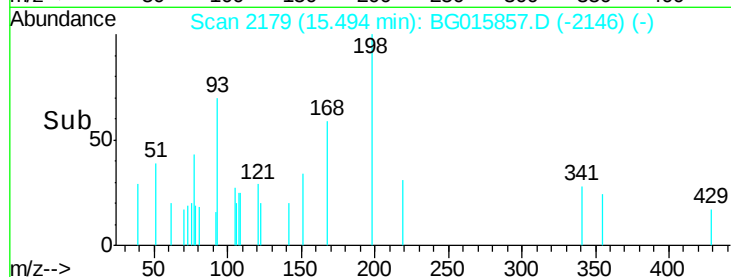
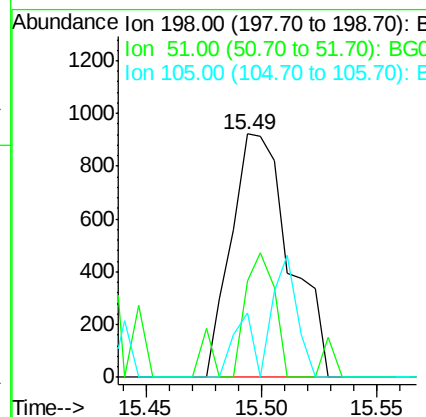
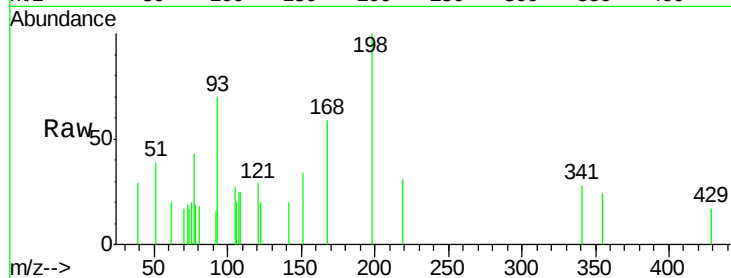




#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.70 ng
 RT: 15.49 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BG015857.D
 Acq: 6 Jan 2015 12:57

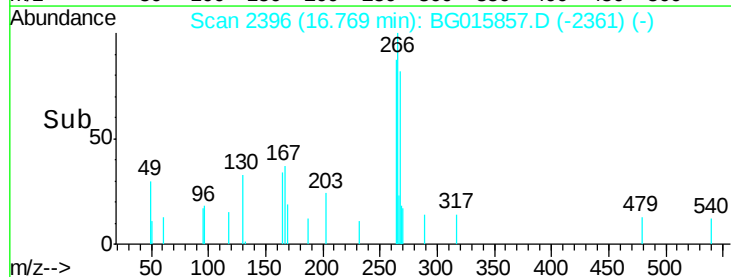
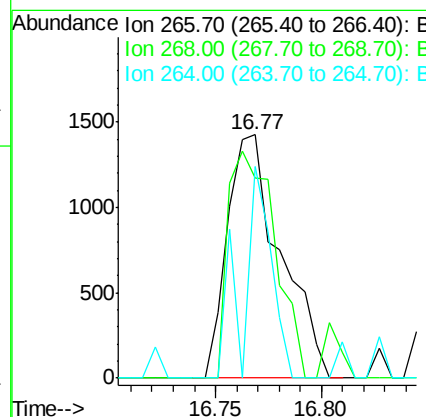
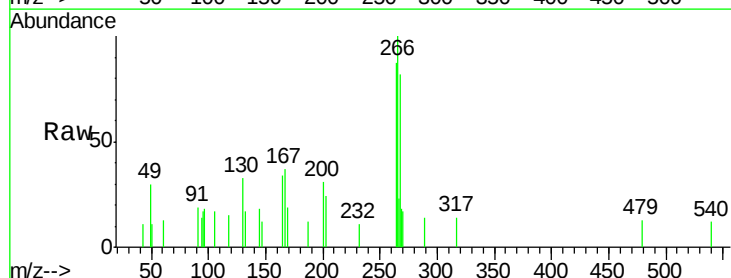
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2015-01

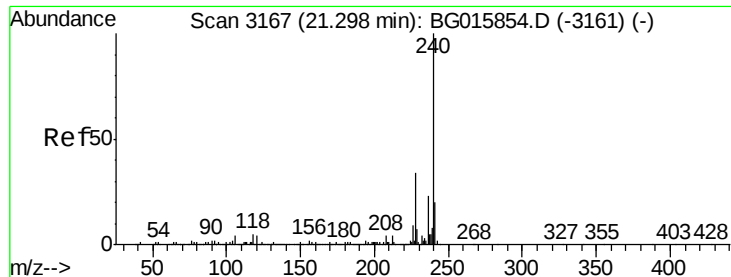
Tgt Ion:198 Resp: 1630
 Ion Ratio Lower Upper
 198 100
 51 39.4 13.6 53.6
 105 26.5 17.9 57.9



#69
 Pentachlorophenol
 Concen: 4.44 ng
 RT: 16.77 min Scan# 2396
 Delta R.T. 0.00 min
 Lab File: BG015857.D
 Acq: 6 Jan 2015 12:57

Tgt Ion:266 Resp: 2483
 Ion Ratio Lower Upper
 266 100
 268 100.6 50.2 75.2#
 264 86.9 48.2 72.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.29 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG015857.D

Acq: 6 Jan 2015 12:57

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

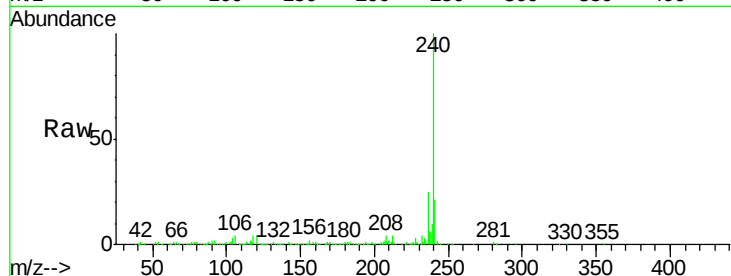
Tgt Ion:240 Resp: 274461

Ion Ratio Lower Upper

240 100

120 4.0 3.4 5.2

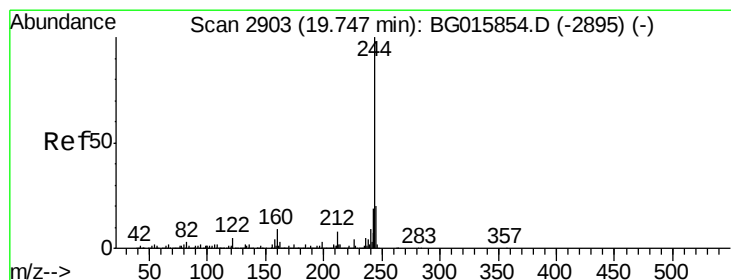
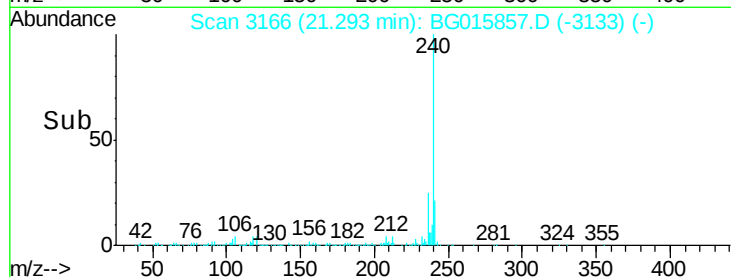
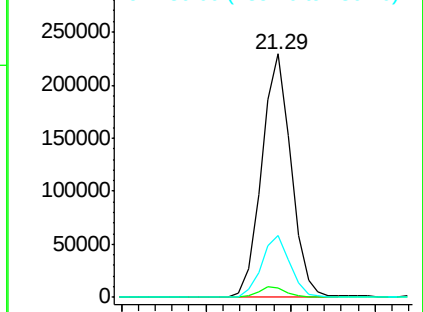
236 25.3 19.0 28.6



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: 34.83 ng

RT: 19.74 min Scan# 2902

Delta R.T. -0.00 min

Lab File: BG015857.D

Acq: 6 Jan 2015 12:57

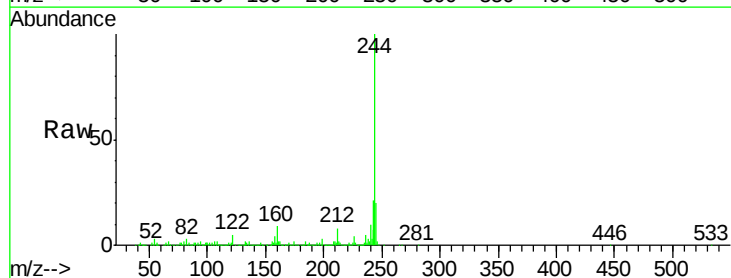
Tgt Ion:244 Resp: 855617

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

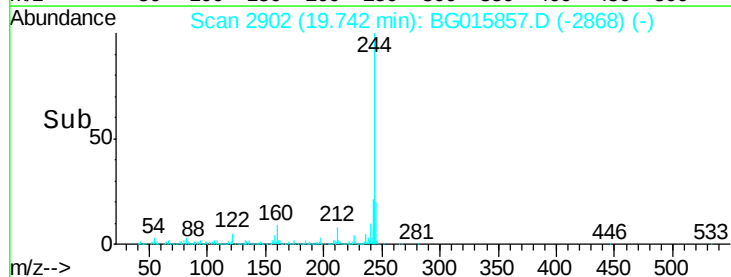
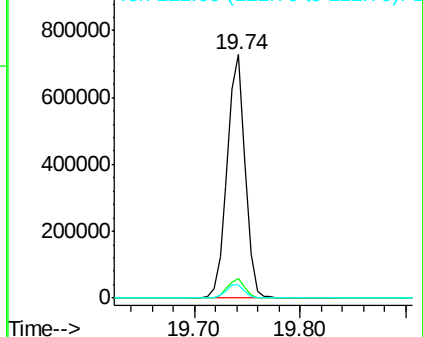
122 5.4 4.7 7.1

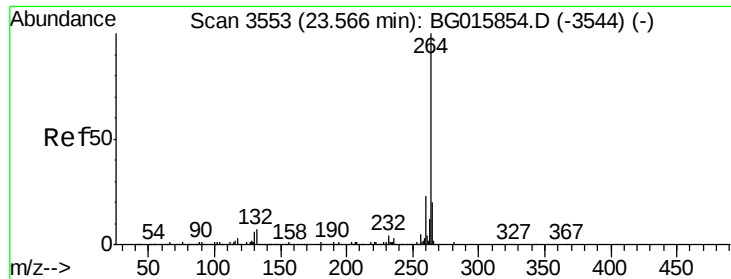


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.55 min Scan# 3551
Delta R.T. -0.01 min
Lab File: BG015857.D
Acq: 6 Jan 2015 12:57

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2015-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.0	25.4
265	20.6	17.4	26.0

