

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032117\
 Data File : BG026359.D
 Acq On : 21 Mar 2017 15:26
 Operator : SJ/MA
 Sample : I2296-05
 Misc : LOD 5 PPB
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Quant Time: Mar 23 12:20:29 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	118782	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	524451	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	307188	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	729951	20.00	ng	0.00
75) Chrysene-d12	21.63	240	874051	20.00	ng	0.00
86) Perylene-d12	24.81	264	842872	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	879700	131.45	ng	0.00
7) Phenol-d6	7.21	99	1147674	127.74	ng	0.00
23) Nitrobenzene-d5	9.20	82	704896	80.82	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	513639	146.01	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	1930913	88.15	ng	0.00
78) Terphenyl-d14	19.98	244	2695185	74.89	ng	0.00

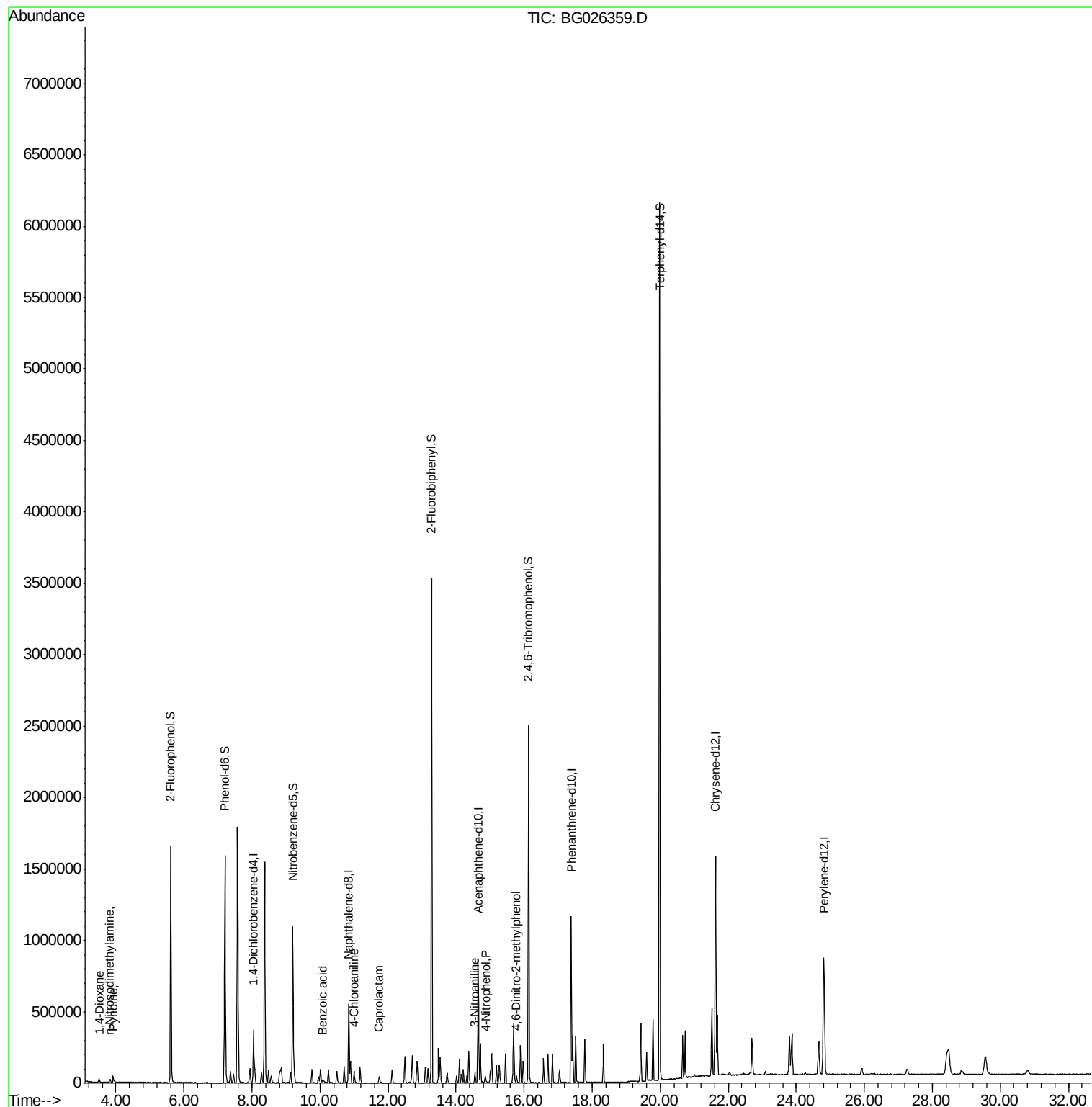
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	15487	5.16	ng	# 71
3) Pyridine	3.92	79	41917	5.10	ng	# 54
4) n-Nitrosodimethylamine	3.82	42	9193	4.09	ng	# 1
32) Benzoic acid	10.08	122	13990	2.47	ng	# 67
33) 4-Chloroaniline	11.00	127	52262	4.85	ng	# 81
35) Caprolactam	11.74	113	13588	4.64	ng	# 48
52) 3-Nitroaniline	14.55	138	27055	4.54	ng	# 64
55) 4-Nitrophenol	14.86	139	19470	3.99	ng	# 36
64) 4,6-Dinitro-2-methylphenol	15.77	198	18279	3.97	ng	83

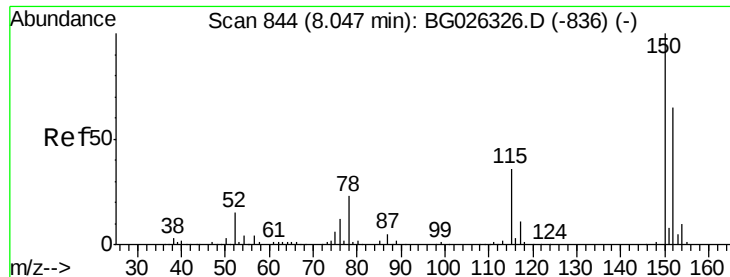
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG026359.D

Acq: 21 Mar 2017 15:26

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT2-2017

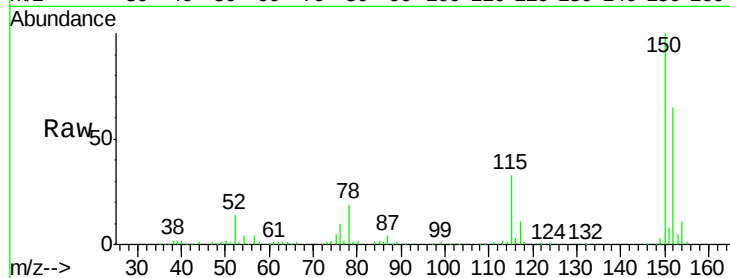
Tgt Ion:152 Resp: 118782

Ion Ratio Lower Upper

152 100

150 154.9 114.0 171.0

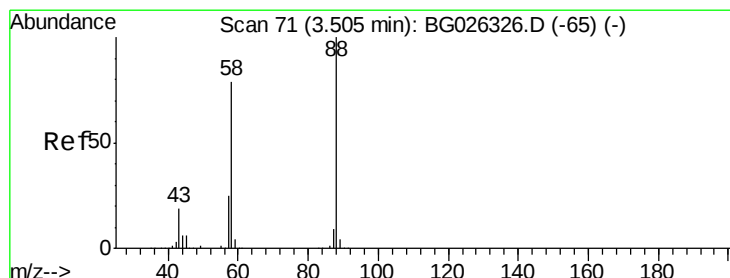
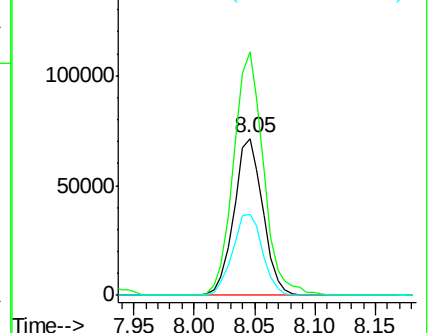
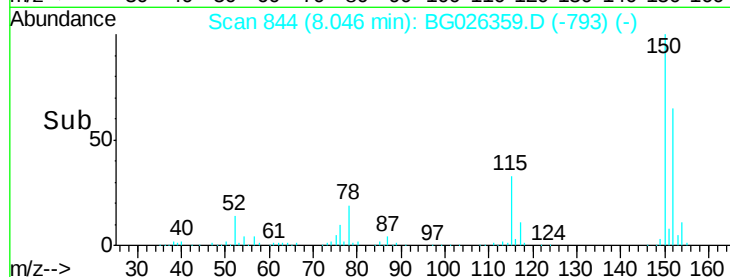
115 51.9 48.1 72.1



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



#2

1,4-Dioxane

Concen: 5.16 ng

RT: 3.50 min Scan# 71

Delta R.T. -0.00 min

Lab File: BG026359.D

Acq: 21 Mar 2017 15:26

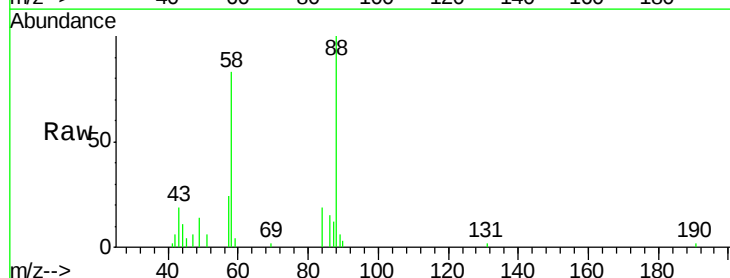
Tgt Ion: 88 Resp: 15487

Ion Ratio Lower Upper

88 100

58 73.4 79.4 119.2#

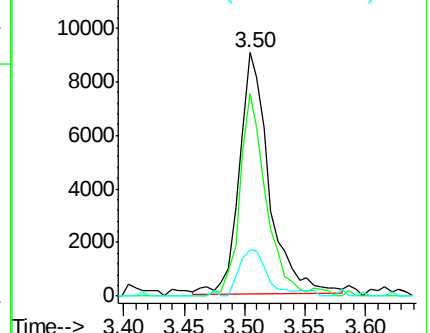
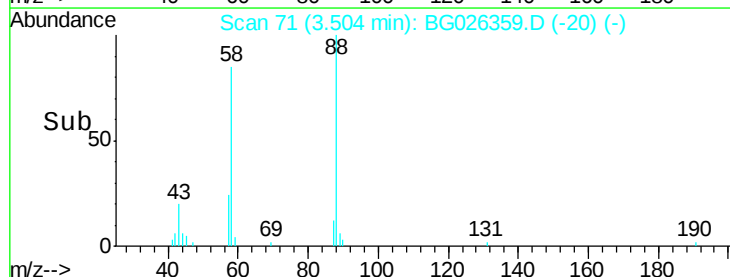
43 18.4 33.8 50.6#

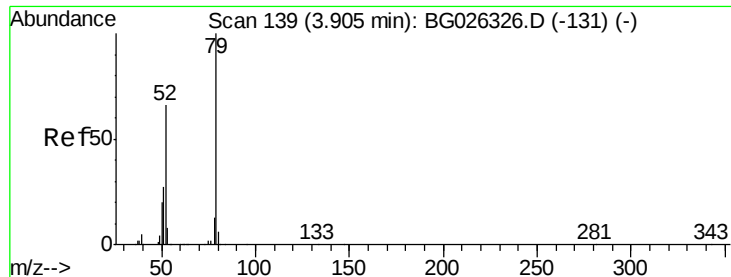


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 5.10 ng

RT: 3.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: BG026359.D

Acq: 21 Mar 2017 15:26

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT2-2017

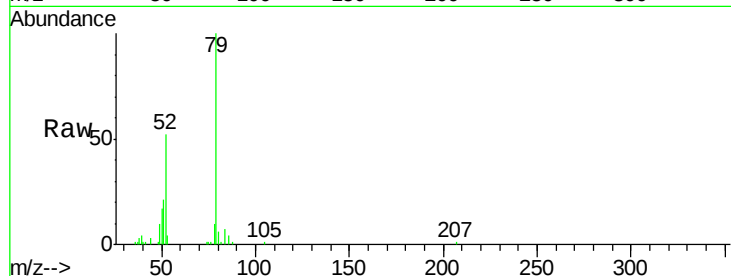
Tgt Ion: 79 Resp: 41917

Ion Ratio Lower Upper

79 100

52 52.2 77.8 116.6#

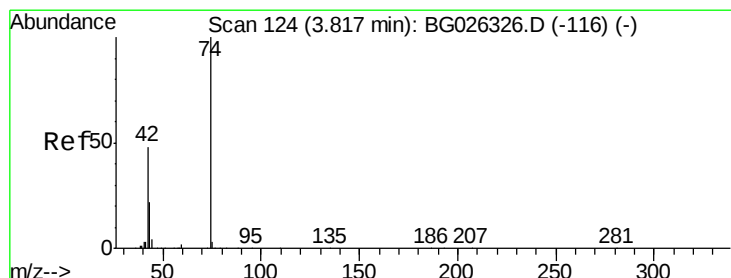
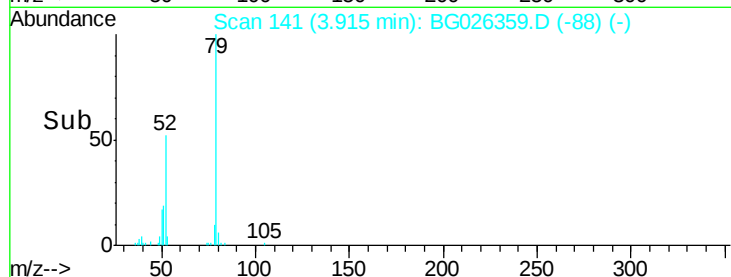
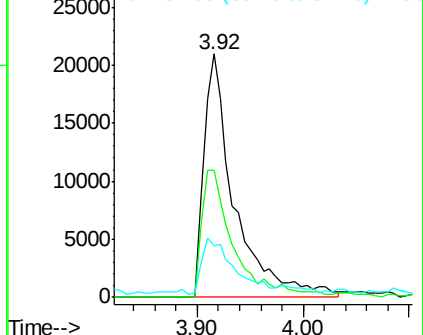
51 21.4 43.2 64.8#



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: 4.09 ng

RT: 3.82 min Scan# 125

Delta R.T. 0.00 min

Lab File: BG026359.D

Acq: 21 Mar 2017 15:26

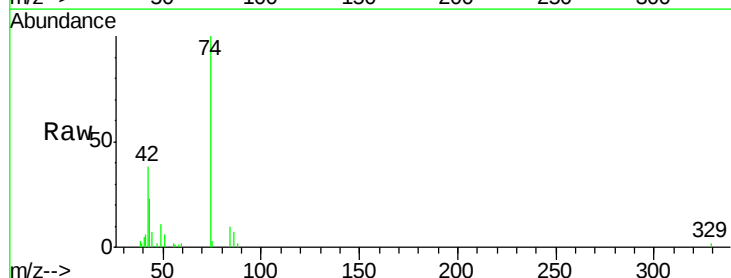
Tgt Ion: 42 Resp: 9193

Ion Ratio Lower Upper

42 100

74 260.3 76.7 115.1#

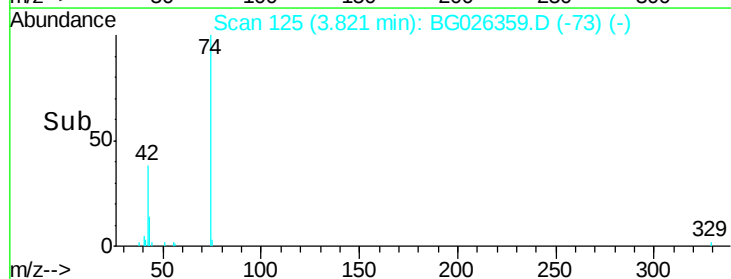
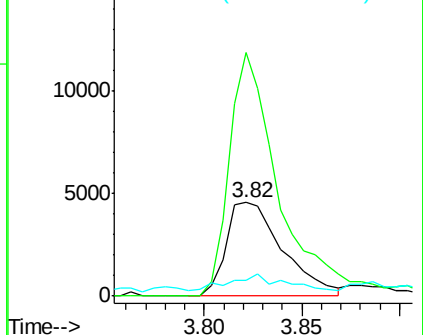
44 17.2 6.1 9.1#

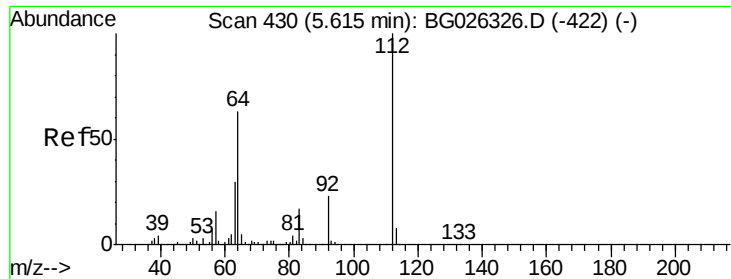


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 131.45 ng

RT: 5.61 min Scan# 430

Delta R.T. -0.00 min

Lab File: BG026359.D

Acq: 21 Mar 2017 15:26

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT2-2017

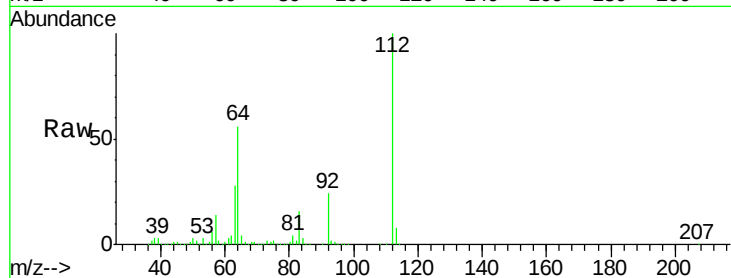
Tgt Ion:112 Resp: 879700

Ion Ratio Lower Upper

112 100

64 56.2 61.8 92.6#

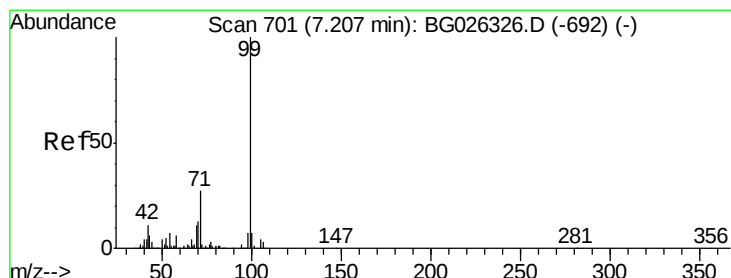
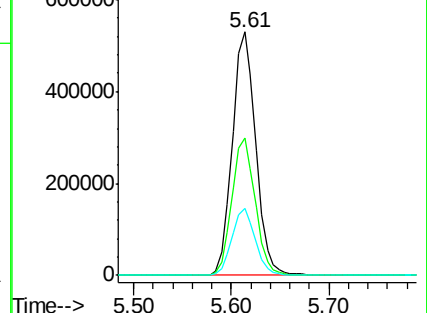
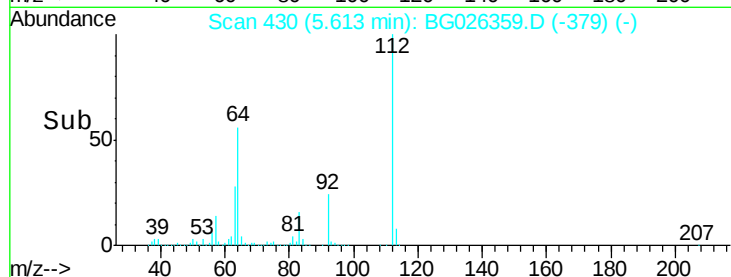
63 27.6 37.2 55.8#



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: 127.74 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG026359.D

Acq: 21 Mar 2017 15:26

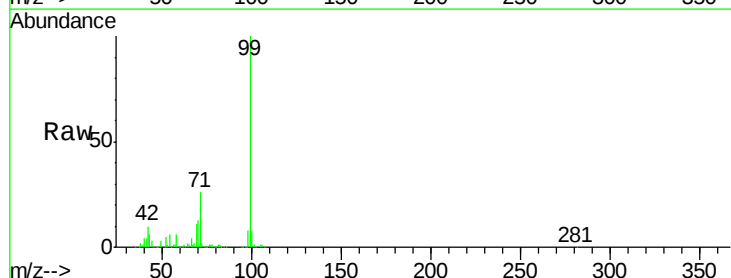
Tgt Ion: 99 Resp: 1147674

Ion Ratio Lower Upper

99 100

42 10.5 20.5 30.7#

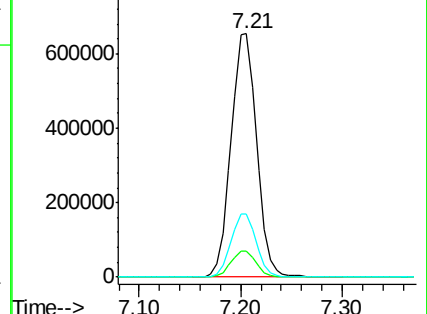
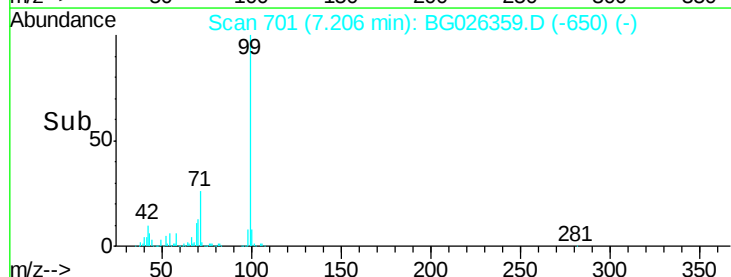
71 26.0 37.6 56.4#

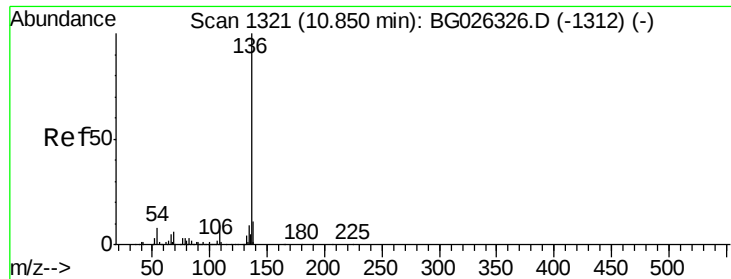


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

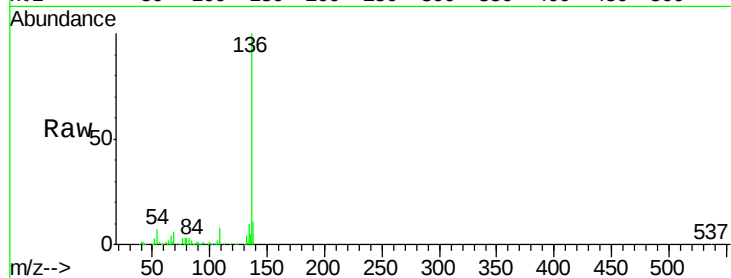




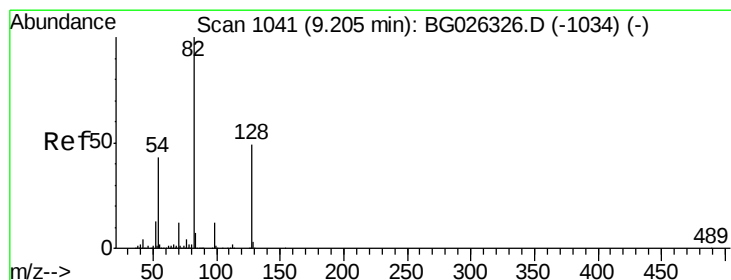
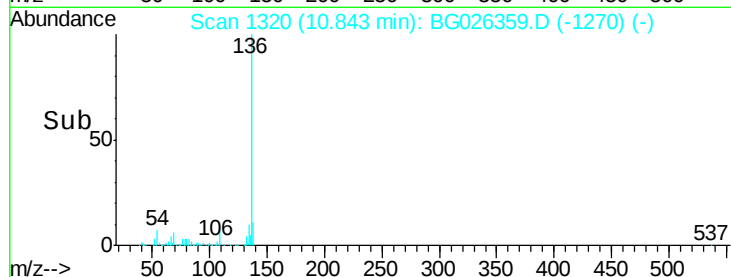
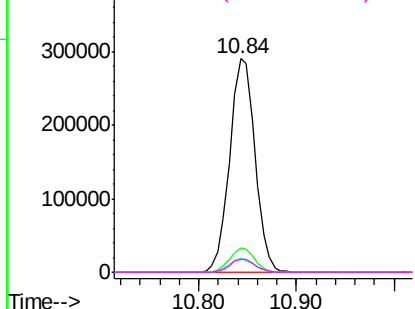
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BG026359.D
Acq: 21 Mar 2017 15:26

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:	136	Resp:	524451
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.6	9.3	13.9#
68	6.2	5.1	7.7

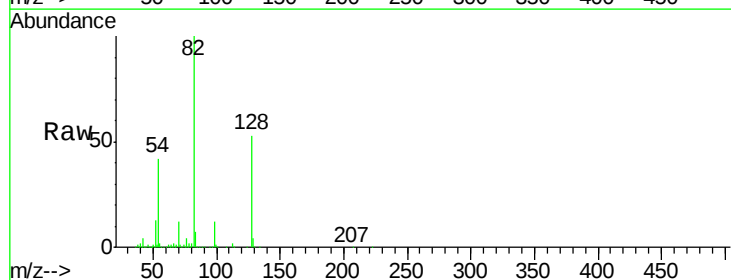


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

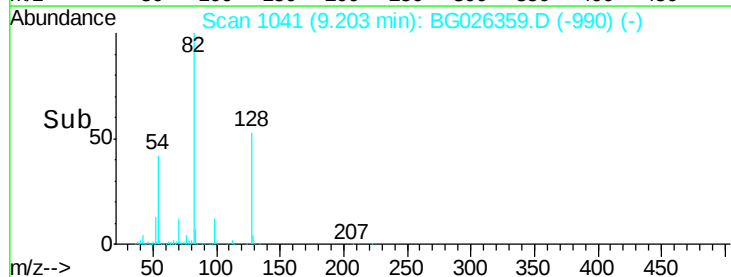
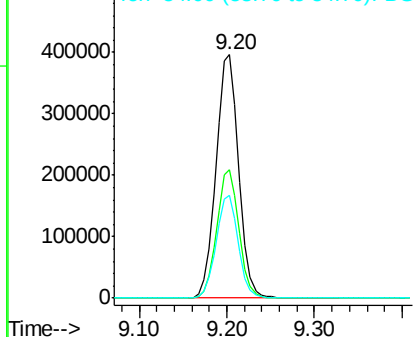


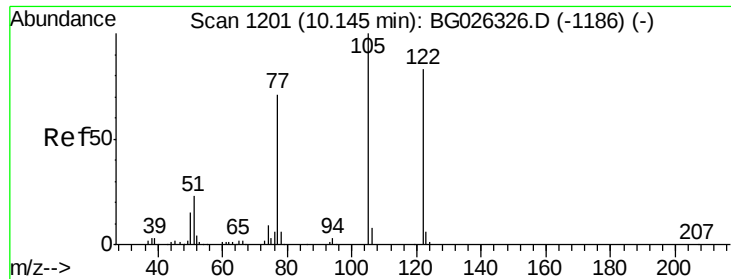
#23
Nitrobenzene-d5
Concen: 80.82 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG026359.D
Acq: 21 Mar 2017 15:26

Tgt Ion:	82	Resp:	704896
Ion	Ratio	Lower	Upper
82	100		
128	52.5	26.4	39.6#
54	42.4	49.4	74.2#



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





#32

Benzoic acid

Concen: 2.47 ng

RT: 10.08 min Scan# 1190

Delta R.T. -0.07 min

Lab File: BG026359.D

Acq: 21 Mar 2017 15:26

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT2-2017

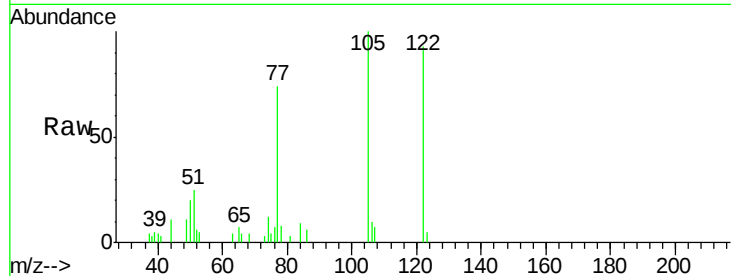
Tgt Ion:122 Resp: 13990

Ion Ratio Lower Upper

122 100

105 107.3 120.1 160.1#

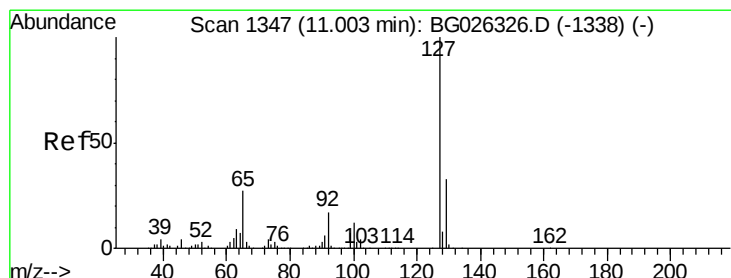
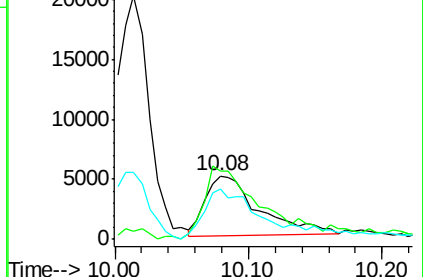
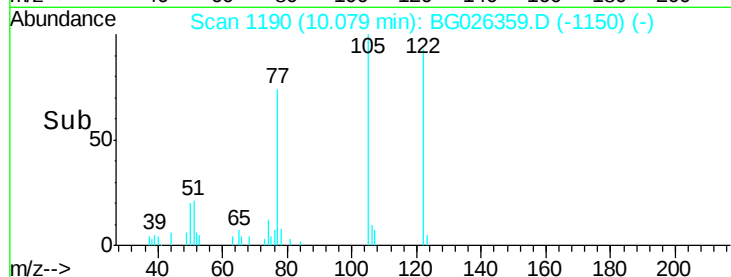
77 79.6 104.6 144.6#



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): BGC



#33

4-Chloroaniline

Concen: 4.85 ng

RT: 11.00 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BG026359.D

Acq: 21 Mar 2017 15:26

Tgt Ion:127 Resp: 52262

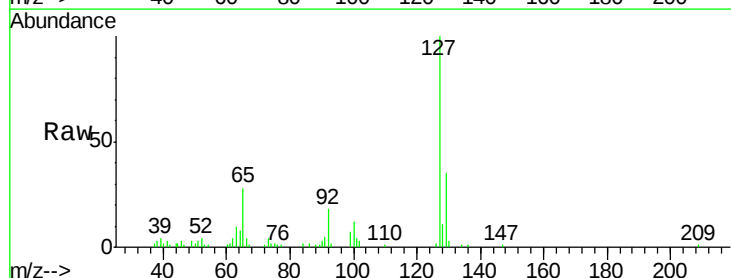
Ion Ratio Lower Upper

127 100

129 34.8 23.6 35.4

65 27.6 37.7 56.5#

92 18.1 17.6 26.4

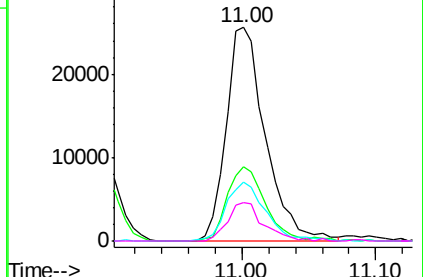
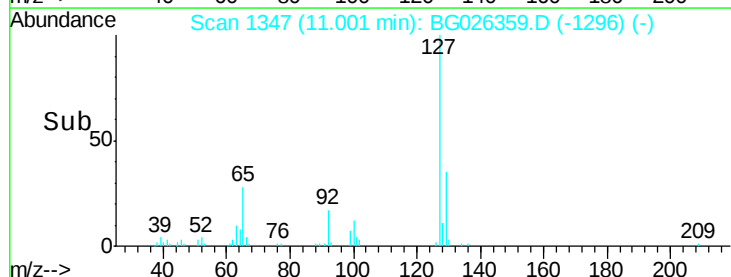


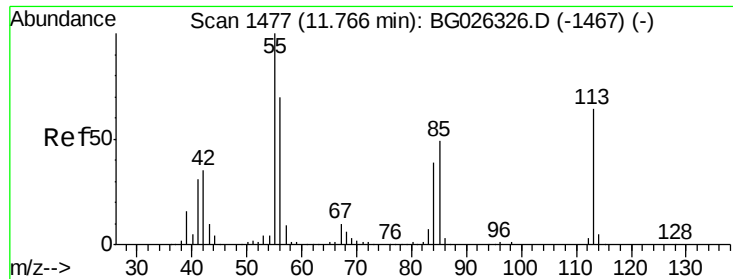
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

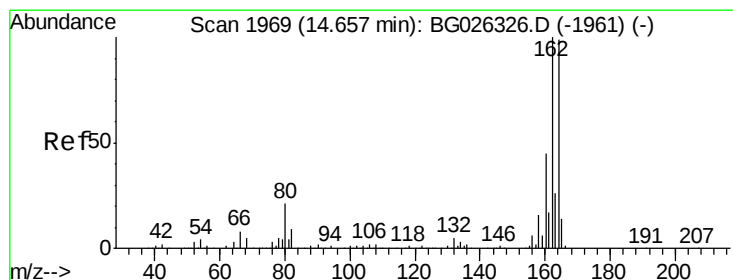
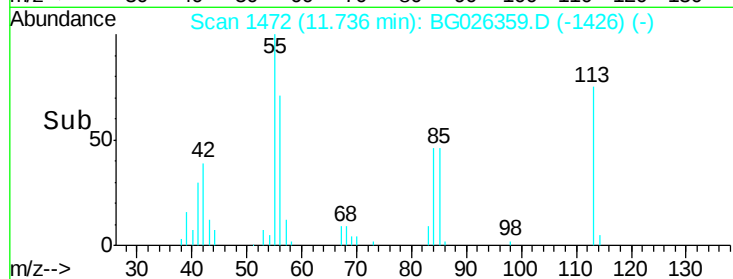
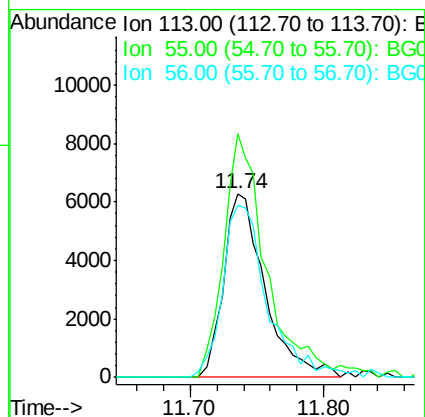
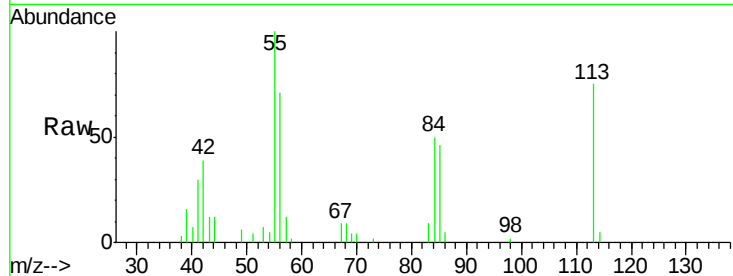




#35
 Caprolactam
 Concen: 4.64 ng
 RT: 11.74 min Scan# 1472
 Delta R.T. -0.03 min
 Lab File: BG026359.D
 Acq: 21 Mar 2017 15:26

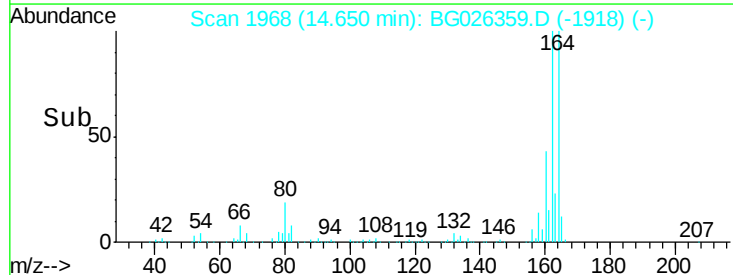
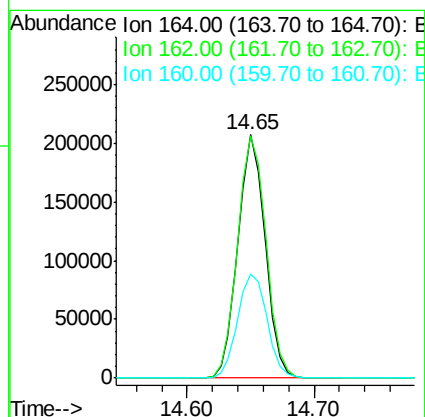
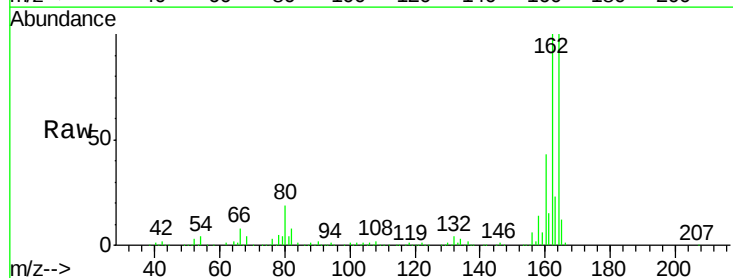
Instrument :
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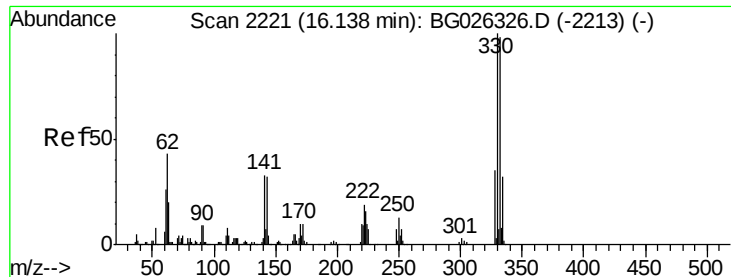
Tgt Ion:113 Resp: 13588
 Ion Ratio Lower Upper
 113 100
 55 132.6 198.6 238.6#
 56 93.5 140.4 180.4#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BG026359.D
 Acq: 21 Mar 2017 15:26

Tgt Ion:164 Resp: 307188
 Ion Ratio Lower Upper
 164 100
 162 99.7 85.1 127.7
 160 42.6 34.7 52.1

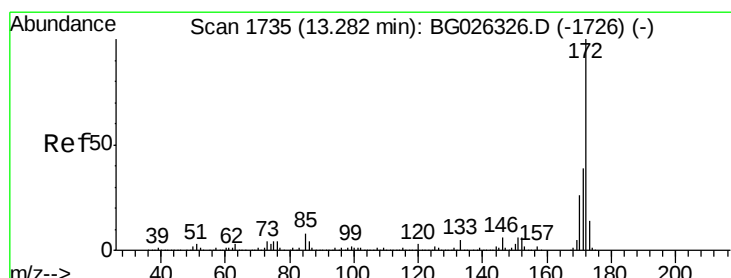
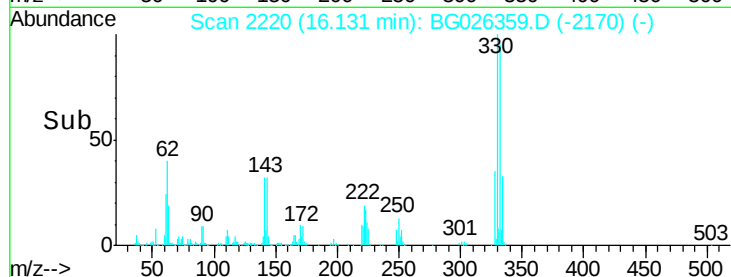
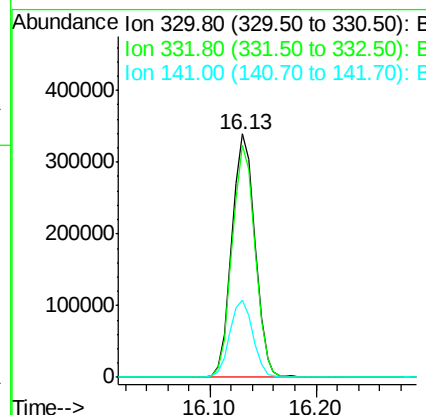
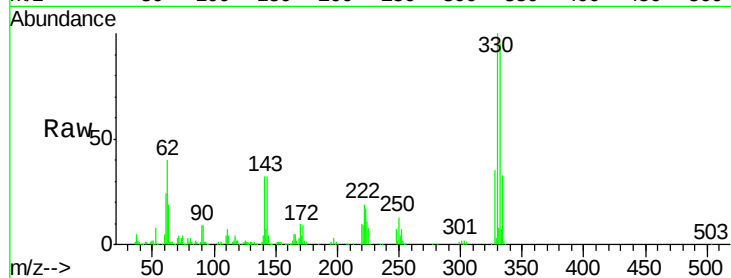




#41
2,4,6-Tribromophenol
Concen: 146.01 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BG026359.D
Acq: 21 Mar 2017 15:26

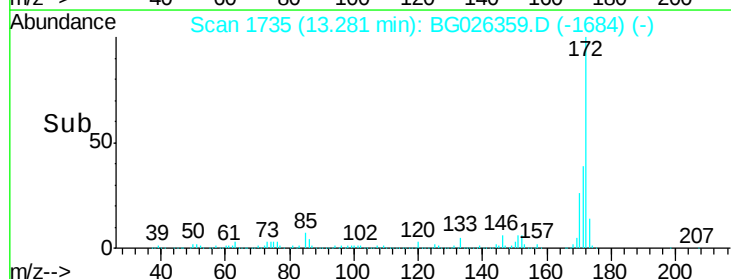
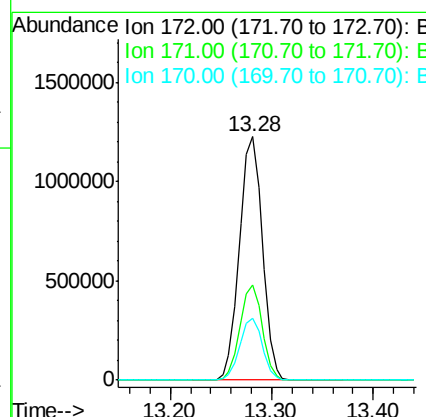
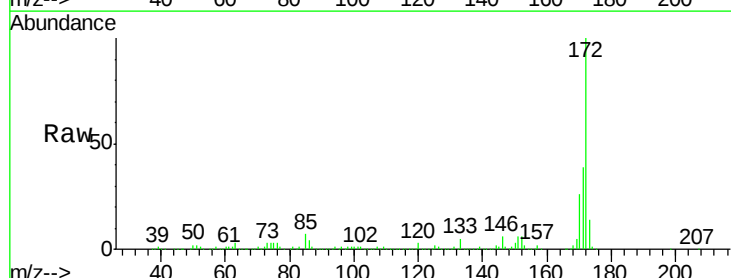
Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

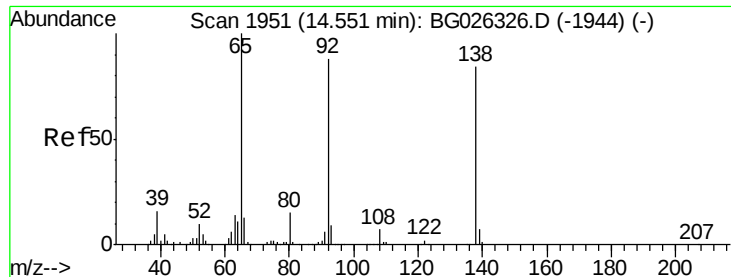
Tgt Ion:330 Resp: 513639
Ion Ratio Lower Upper
330 100
332 94.6 77.3 115.9
141 31.9 32.1 48.1#



#44
2-Fluorobiphenyl
Concen: 88.15 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG026359.D
Acq: 21 Mar 2017 15:26

Tgt Ion:172 Resp: 1930913
Ion Ratio Lower Upper
172 100
171 39.3 32.2 48.2
170 25.5 21.8 32.6

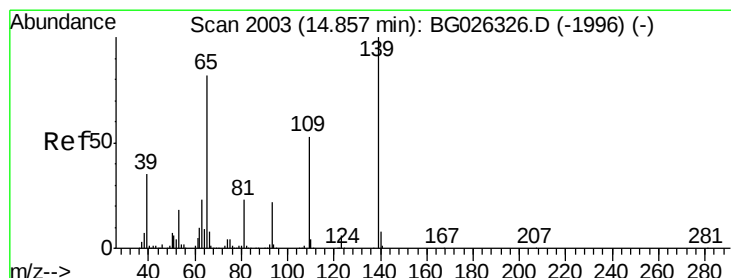
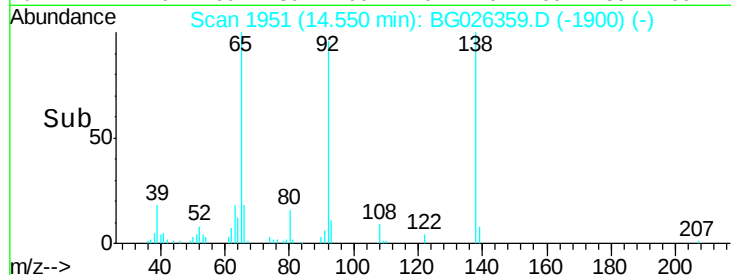
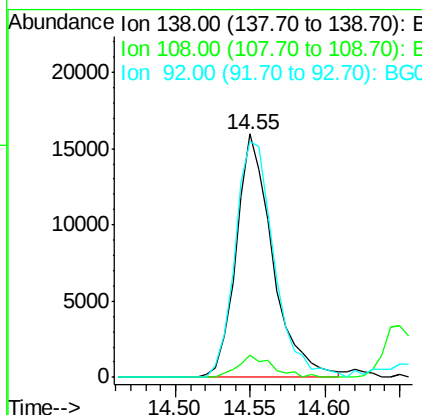
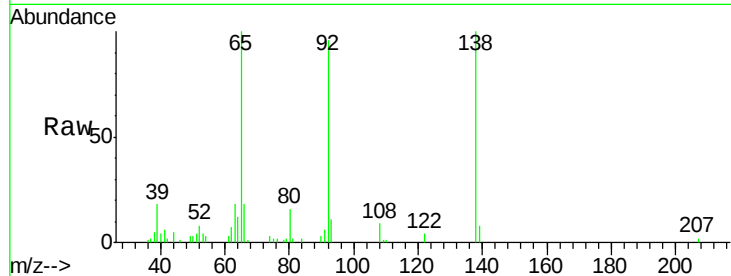




#52
3-Nitroaniline
Concen: 4.54 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG026359.D
Acq: 21 Mar 2017 15:26

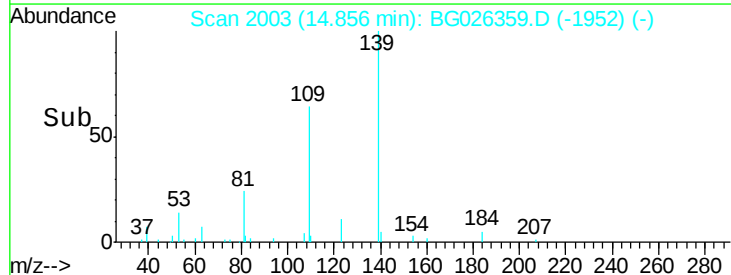
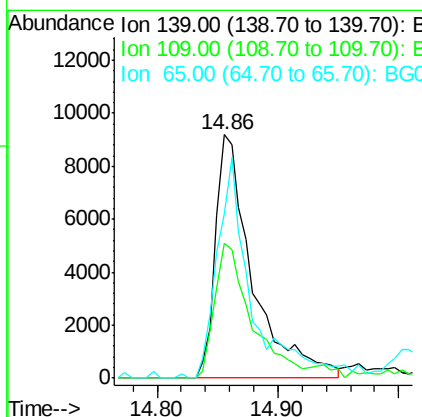
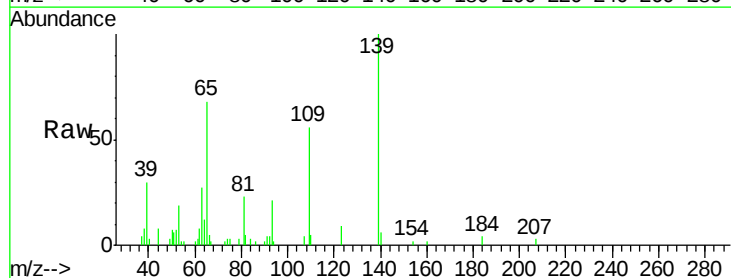
Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

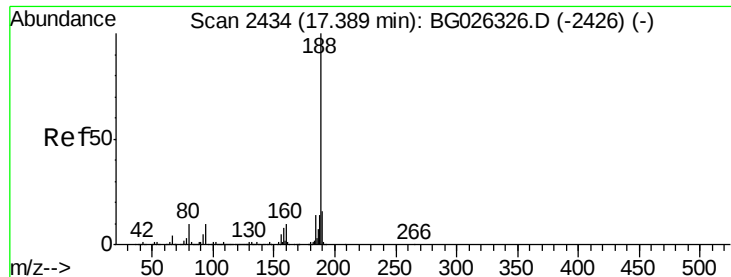
Tgt Ion:138 Resp: 27055
Ion Ratio Lower Upper
138 100
108 8.9 10.9 16.3#
92 96.9 115.3 172.9#



#55
4-Nitrophenol
Concen: 3.99 ng
RT: 14.86 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BG026359.D
Acq: 21 Mar 2017 15:26

Tgt Ion:139 Resp: 19470
Ion Ratio Lower Upper
139 100
109 55.6 101.2 141.2#
65 67.7 135.3 175.3#

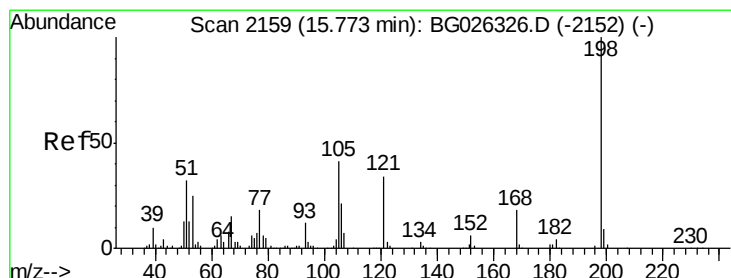
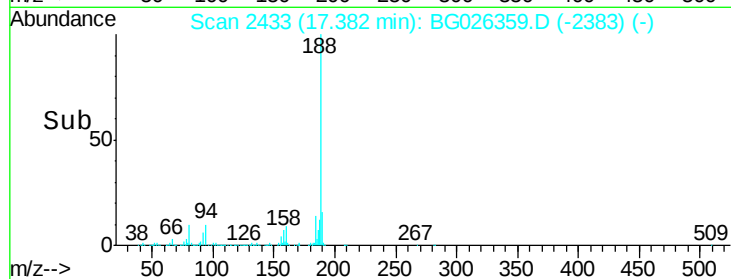
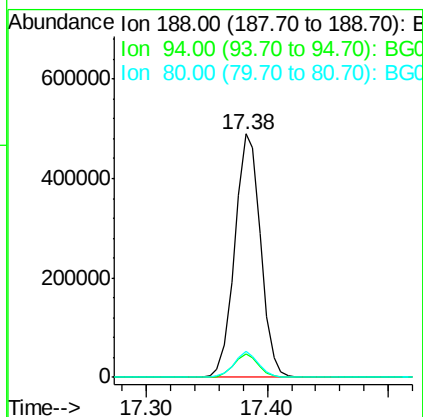
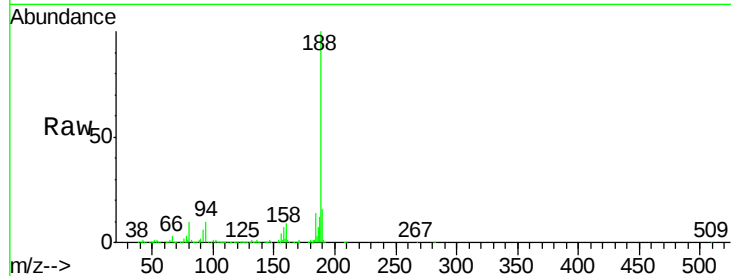




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.38 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BG026359.D
Acq: 21 Mar 2017 15:26

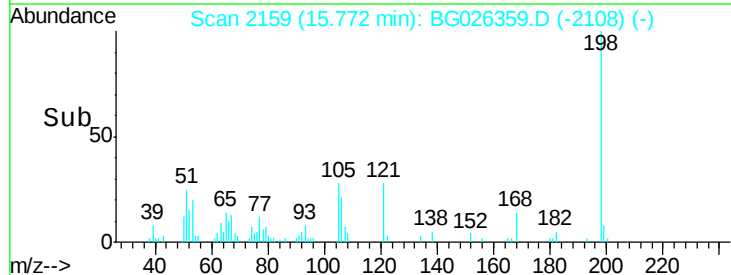
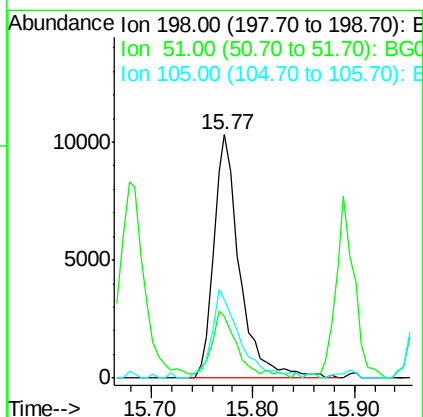
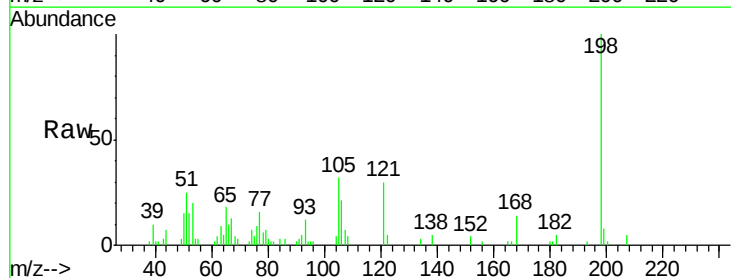
Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

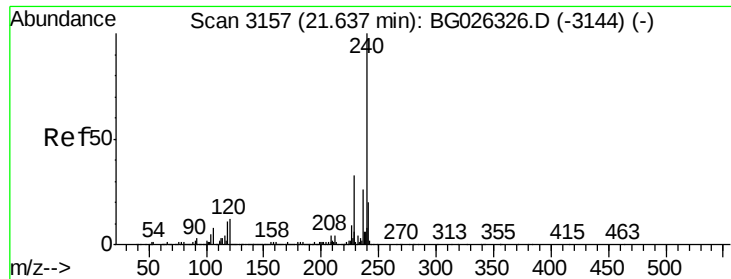
Tgt Ion:188 Resp: 729951
Ion Ratio Lower Upper
188 100
94 9.8 5.8 8.8#
80 10.5 7.5 11.3



#64
4,6-Dinitro-2-methylphenol
Concen: 3.97 ng
RT: 15.77 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BG026359.D
Acq: 21 Mar 2017 15:26

Tgt Ion:198 Resp: 18279
Ion Ratio Lower Upper
198 100
51 25.3 22.6 62.6
105 32.2 14.4 54.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG026359.D

Acq: 21 Mar 2017 15:26

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT2-2017

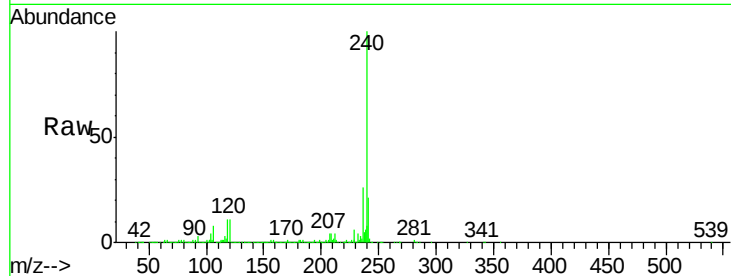
Tgt Ion:240 Resp: 874051

Ion Ratio Lower Upper

240 100

120 11.3 5.7 8.5#

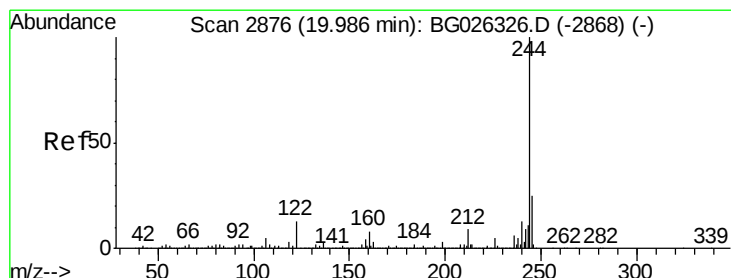
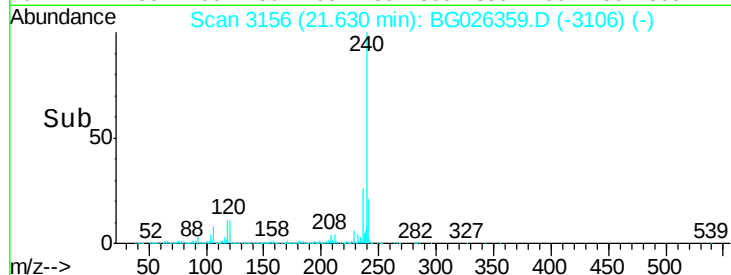
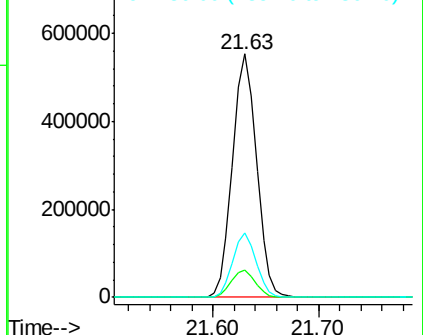
236 26.5 22.2 33.4



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: 74.89 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG026359.D

Acq: 21 Mar 2017 15:26

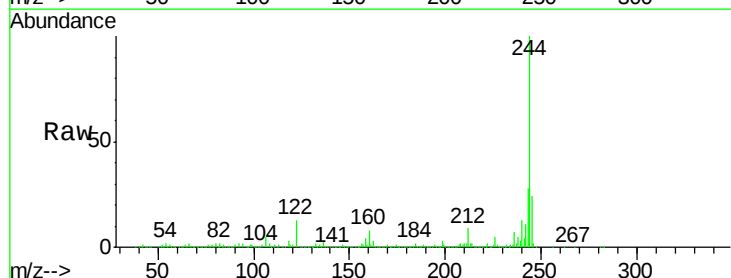
Tgt Ion:244 Resp: 2695185

Ion Ratio Lower Upper

244 100

212 8.7 10.0 15.0#

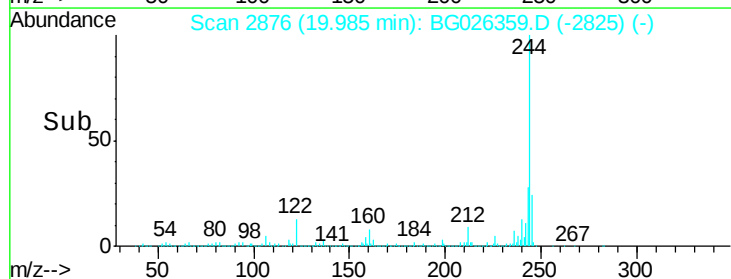
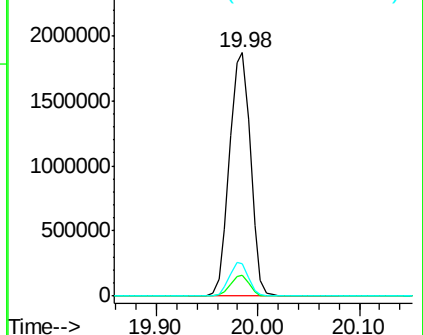
122 13.2 8.6 12.8#

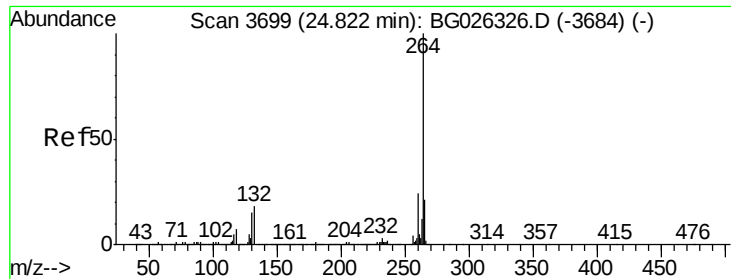


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

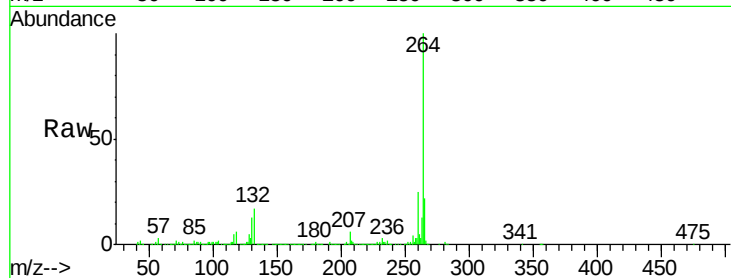




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.81 min Scan# 3698
Delta R.T. -0.01 min
Lab File: BG026359.D
Acq: 21 Mar 2017 15:26

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	21.8	32.8
265	21.9	18.2	27.4



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

