

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062716\
 Data File : BG022660.D
 Acq On : 28 Jun 2016 2:38
 Operator : UM/SJ
 Sample : H3606-05
 Misc : LOD-2PPM
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

Quant Time: Jun 28 07:39:14 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

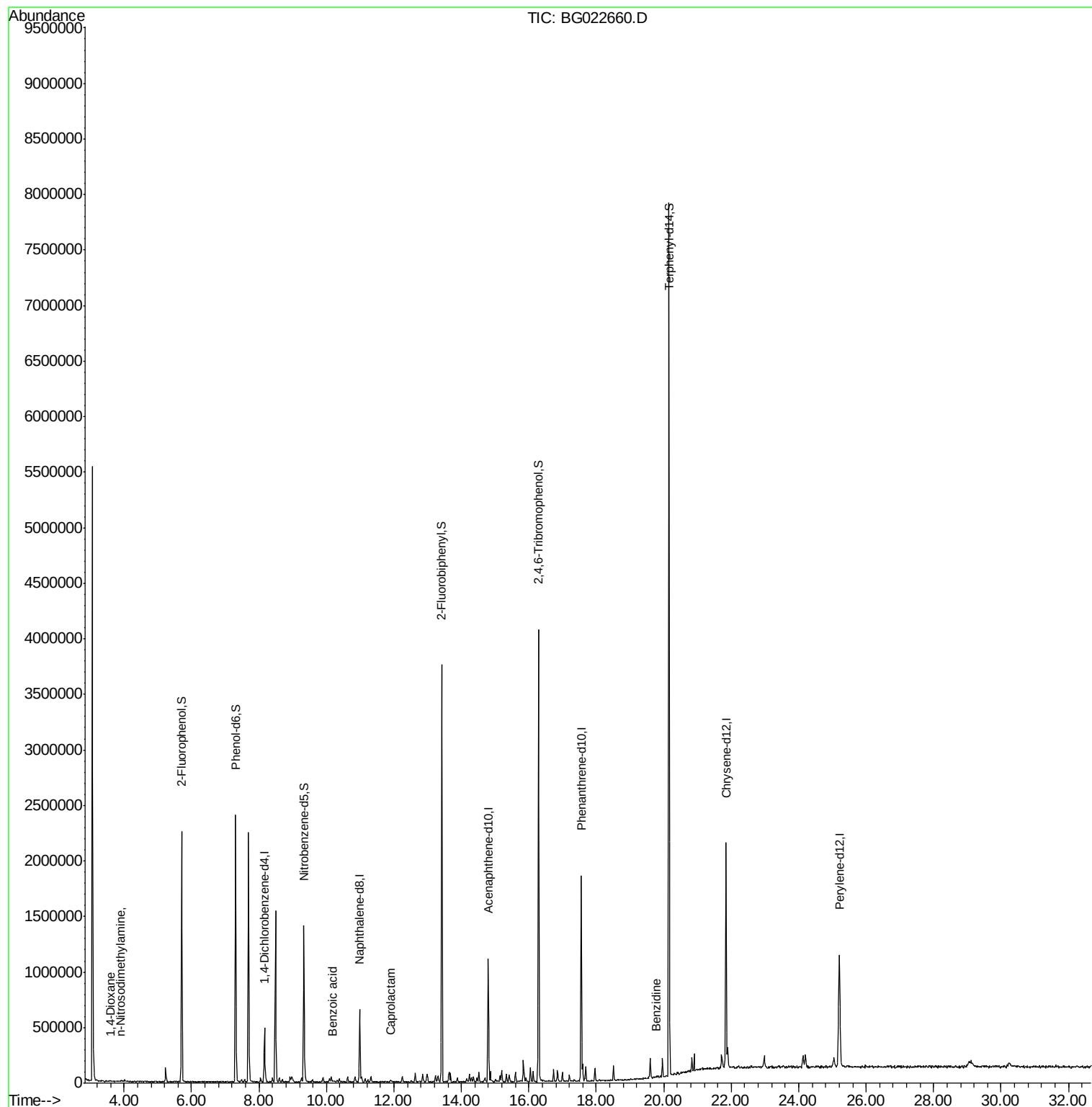
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	123420	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	527736	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	395274	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	1098805	20.00	ng	0.00
75) Chrysene-d12	21.84	240	1281374	20.00	ng	0.00
86) Perylene-d12	25.21	264	1286149	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	890368	115.71	ng	0.00
7) Phenol-d6	7.31	99	1311307	120.90	ng	0.00
23) Nitrobenzene-d5	9.33	82	903139	72.43	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	759362	122.14	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1813468	72.76	ng	0.00
78) Terphenyl-d14	20.16	244	3004112	62.11	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.58	88	4719	1.51	ng	# 84
4) n-Nitrosodimethylamine	3.90	42	6517	1.31	ng	# 69
32) Benzoic acid	10.19	122	3449	5.61	ng	# 79
35) Caprolactam	11.90	113	3987	1.37	ng	# 41
76) Benzidine	19.79	184	5292	0.39	ng	# 86

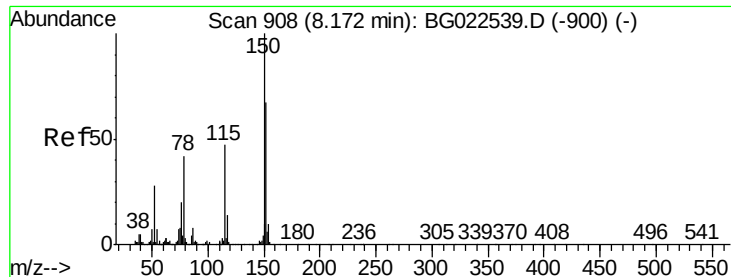
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 24 20:14:59 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

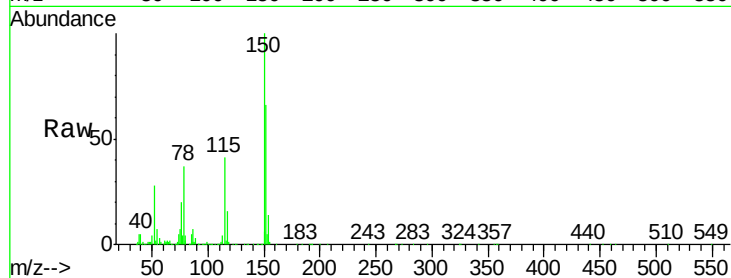
Tot Ion:152 Resp: 123420

Ion Ratio Lower Upper

152 100

150 151.1 144.7 217.1

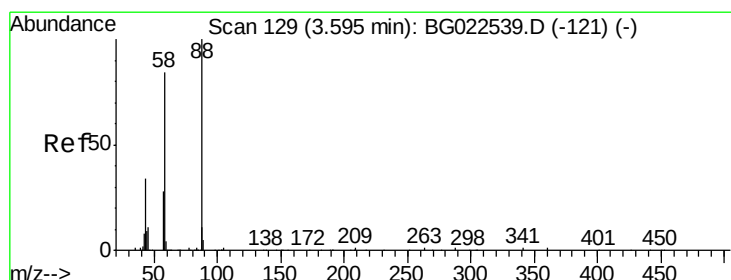
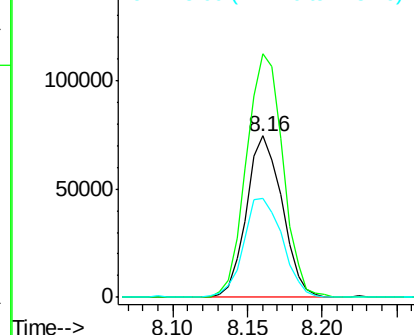
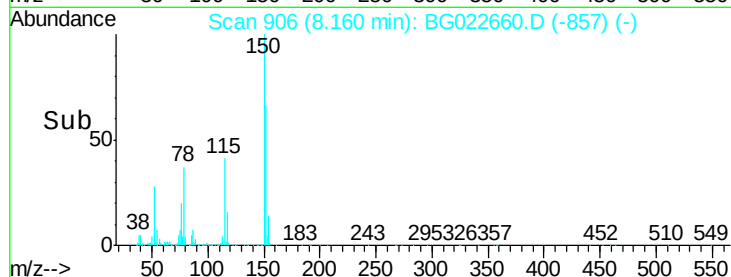
115 61.7 64.0 96.0#



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: 1.51 ng

RT: 3.58 min Scan# 127

Delta R.T. -0.01 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

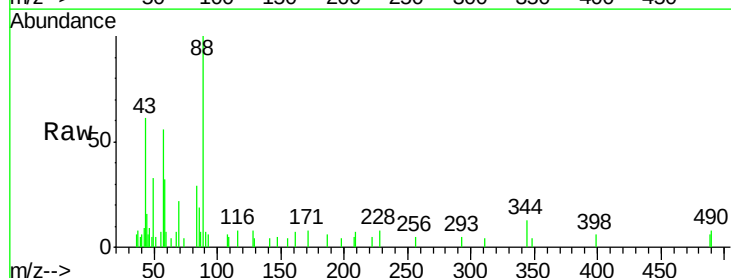
Tgt Ion: 88 Resp: 4719

Ion Ratio Lower Upper

88 100

58 68.5 60.4 90.6

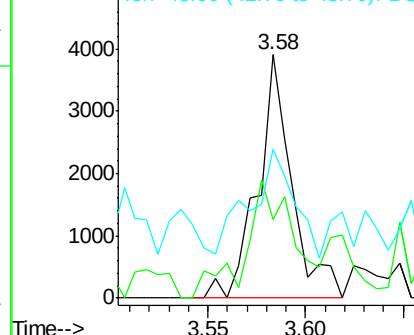
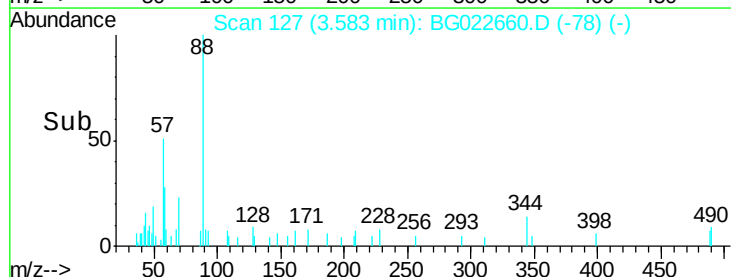
43 58.4 31.1 46.7#

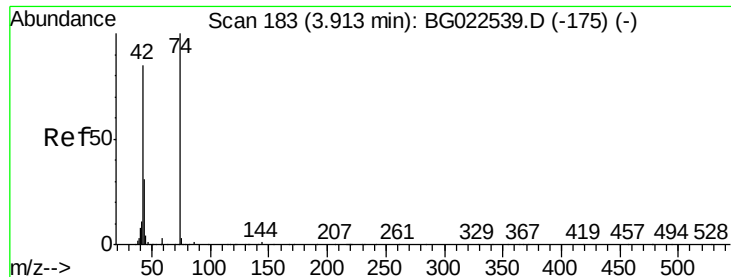


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 1.31 ng

RT: 3.90 min Scan# 181

Delta R.T. -0.01 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

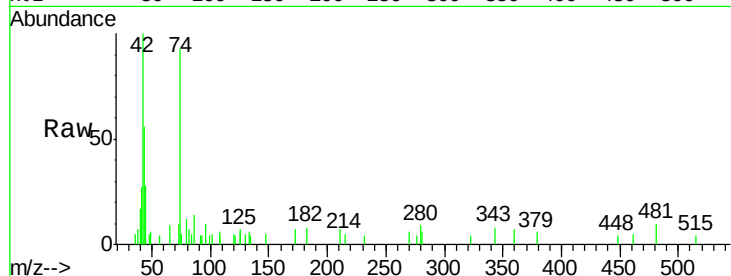
Tot Ion: 42 Resp: 6517

Ion Ratio Lower Upper

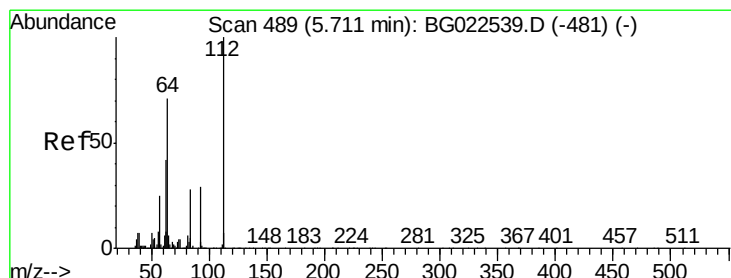
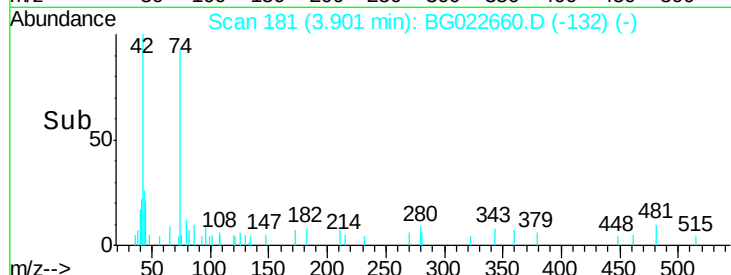
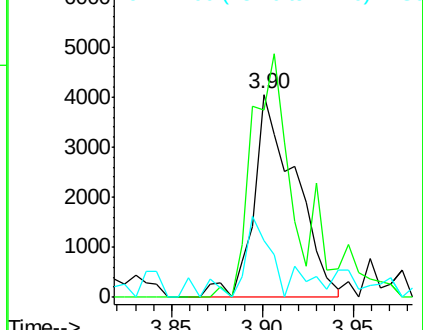
42 100

74 92.5 100.6 150.8#

44 28.1 4.5 6.7#



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: 115.71 ng

RT: 5.70 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

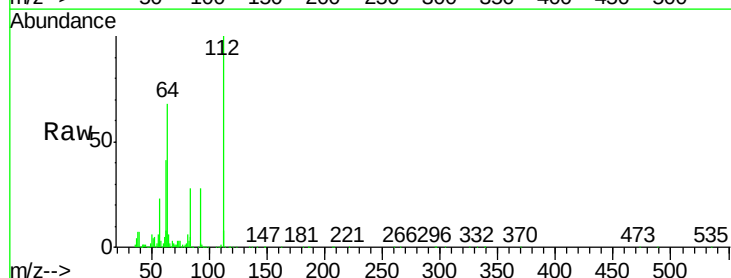
Tgt Ion: 112 Resp: 890368

Ion Ratio Lower Upper

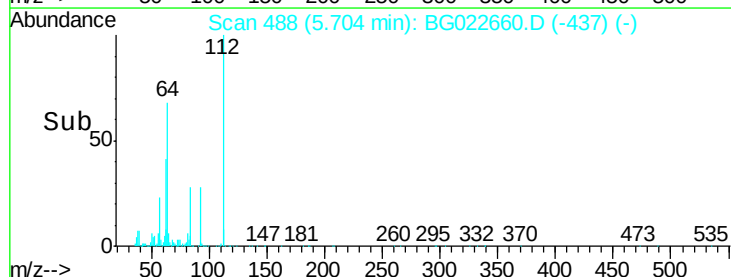
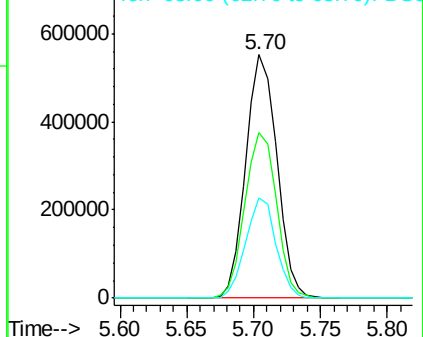
112 100

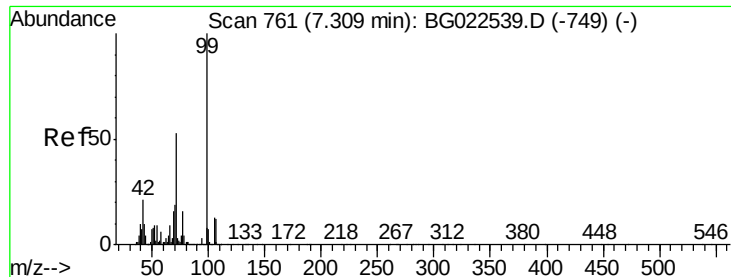
64 67.9 59.0 88.4

63 41.2 37.8 56.8



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: 120.90 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

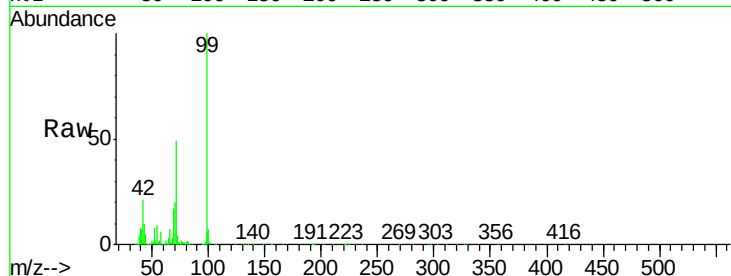
BNA_G

ClientSampleId :

LOD-WATER2016-01

Tot Ion: 99 Resp: 1311307

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.8	26.6
71	49.4	41.5	62.3

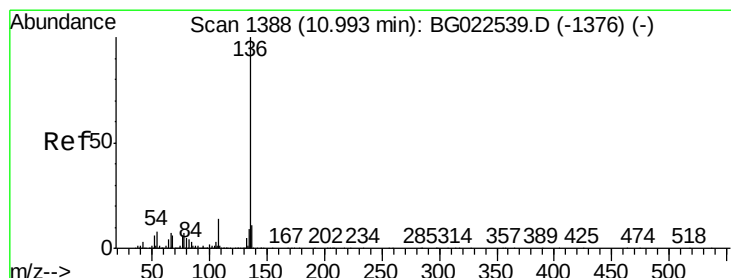
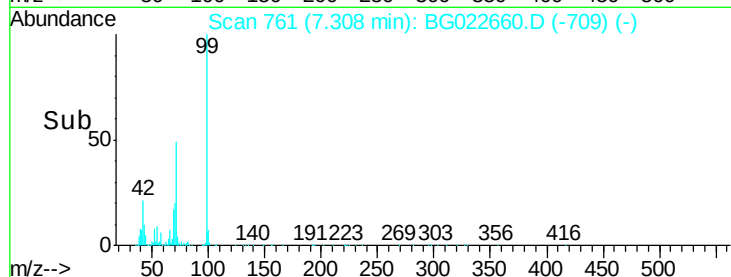
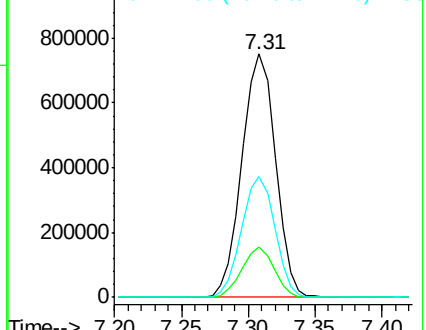


Abundance

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: 10.99 min Scan# 1387

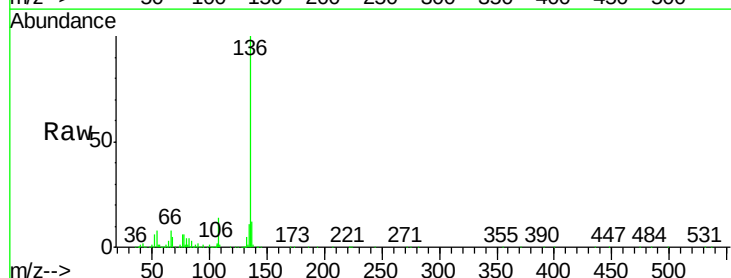
Delta R.T. -0.01 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Tgt Ion: 136 Resp: 527736

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.6	14.4
54	8.2	7.3	10.9
68	5.0	5.3	7.9#



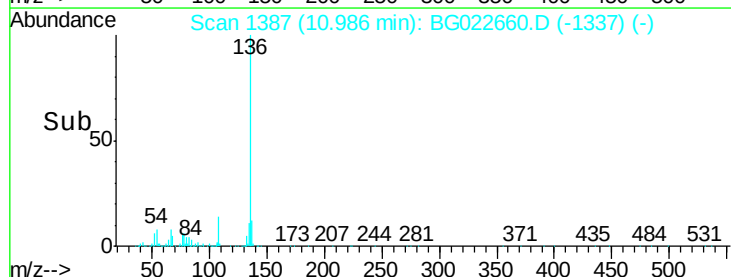
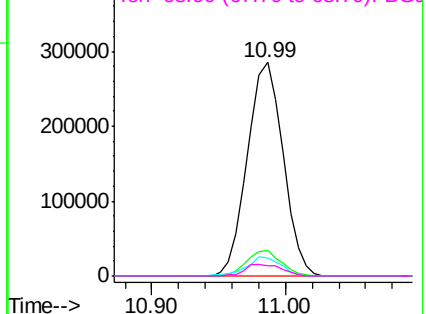
Abundance

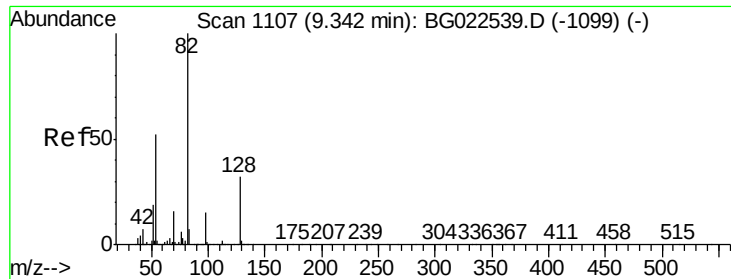
Ion 136.00 (135.70 to 136.70): BGC

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

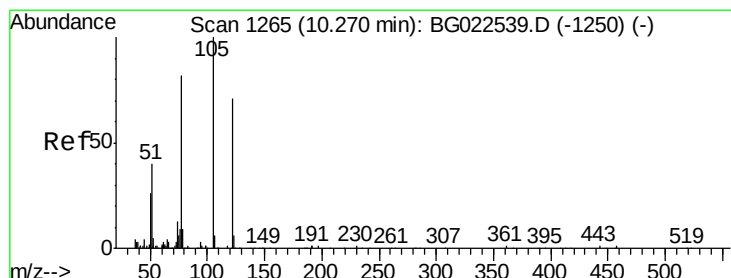
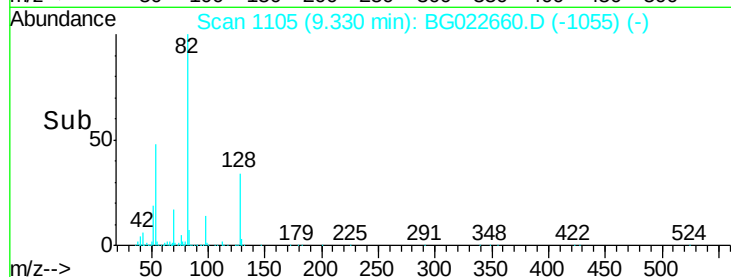
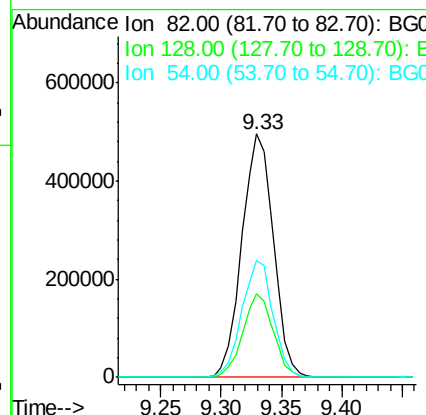
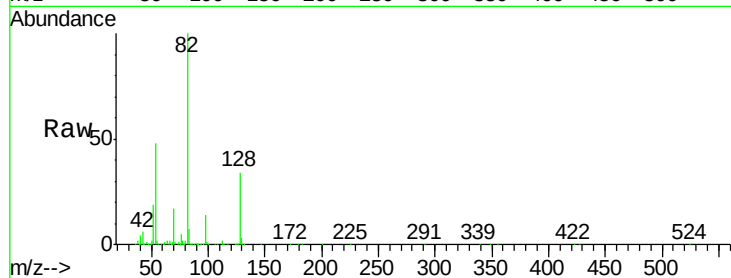




#23
 Nitrobenzene-d5
 Concen: 72.43 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: BG022660.D
 Acq: 28 Jun 2016 2:38

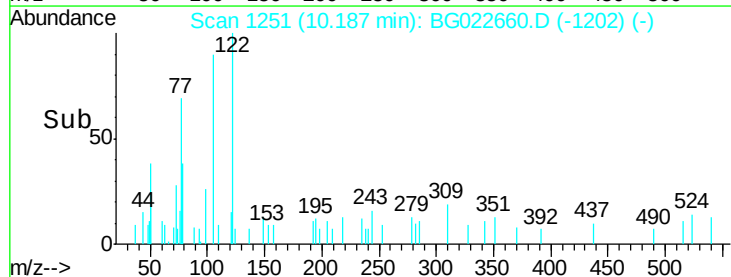
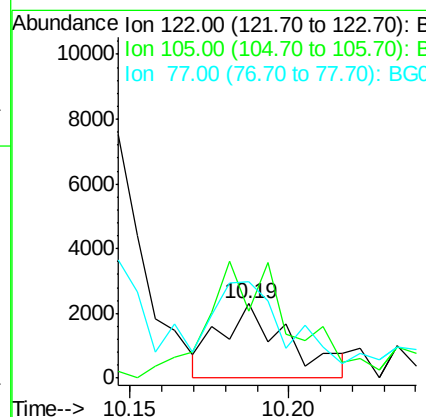
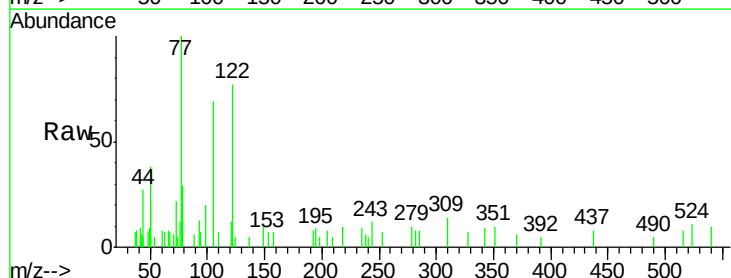
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

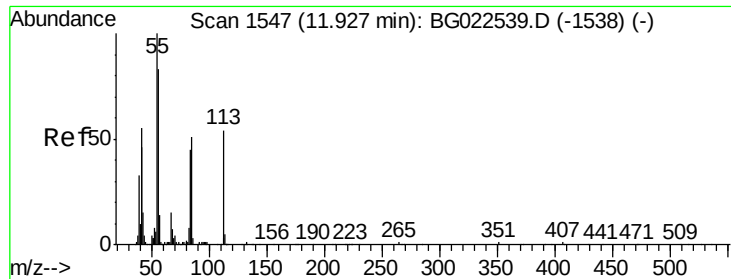
Tot Ion	Ratio	Lower	Upper
82	100		
128	34.1	24.4	36.6
54	48.2	41.4	62.0



#32
 Benzoic acid
 Concen: 5.61 ng
 RT: 10.19 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: BG022660.D
 Acq: 28 Jun 2016 2:38

Tgt Ion	Ratio	Lower	Upper
122	100		
105	90.3	117.2	157.2#
77	130.2	109.2	149.2





#35

Caprolactam

Concen: 1.37 ng

RT: 11.90 min Scan# 1543

Delta R.T. 0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

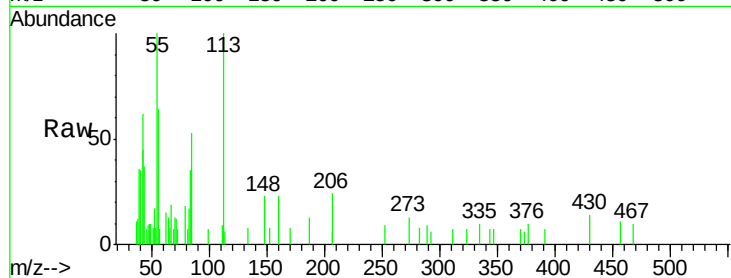
Tot Ion:113 Resp: 3987

Ion Ratio Lower Upper

113 100

55 100.0 154.5 194.5#

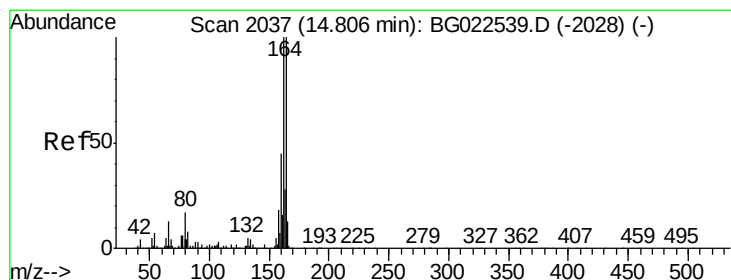
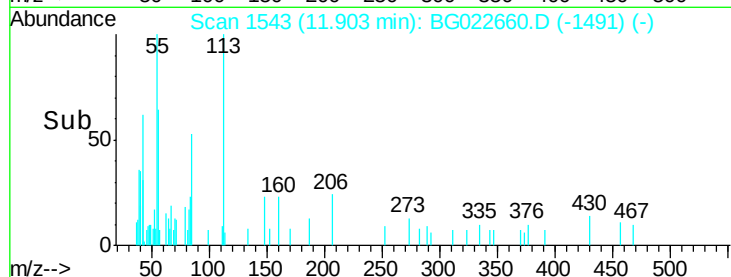
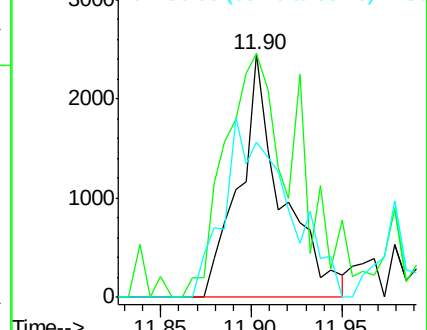
56 63.7 125.1 165.1#



Abundance Ion 113.00 (112.70 to 113.70): E

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: 14.80 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

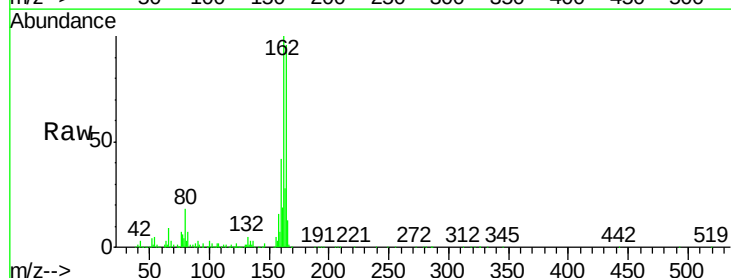
Tgt Ion:164 Resp: 395274

Ion Ratio Lower Upper

164 100

162 104.0 87.7 131.5

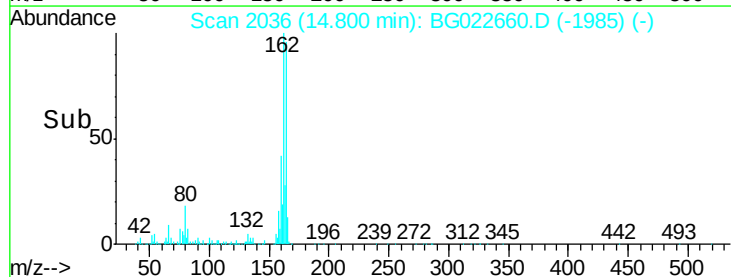
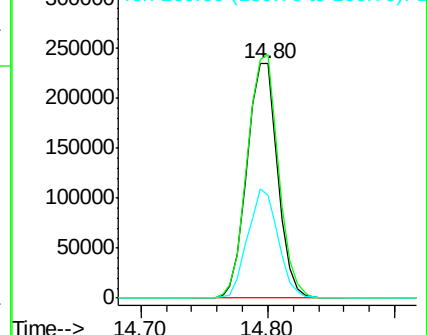
160 44.2 37.2 55.8

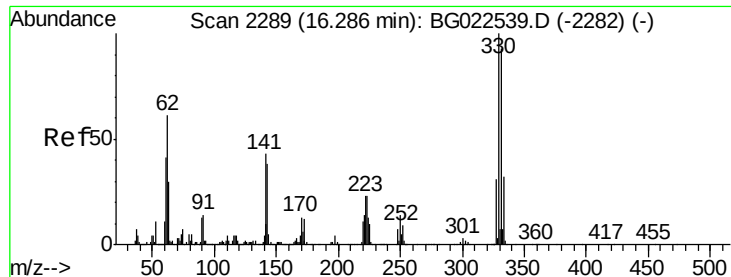


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

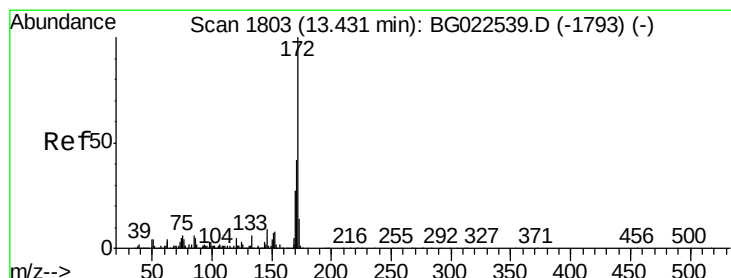
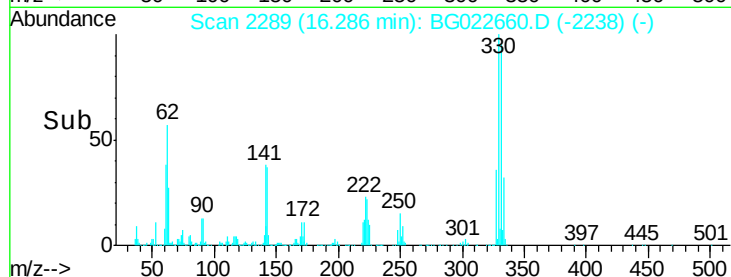
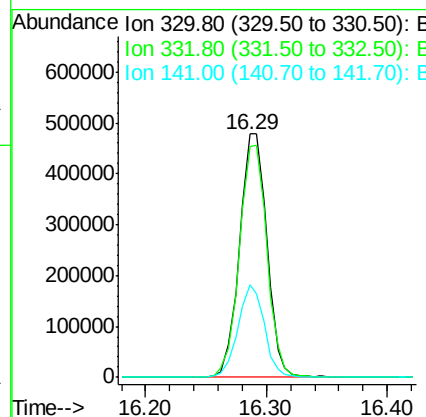
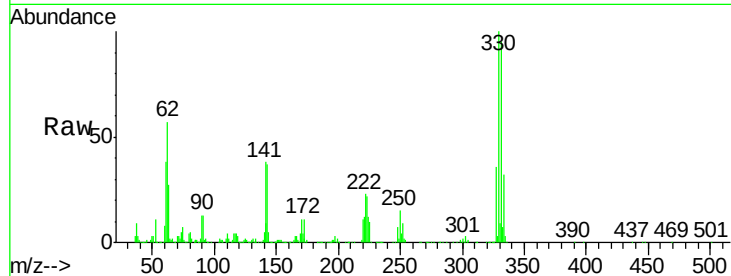




#41
 2,4,6-Tribromophenol
 Concen: 122.14 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. -0.00 min
 Lab File: BG022660.D
 Acq: 28 Jun 2016 2:38

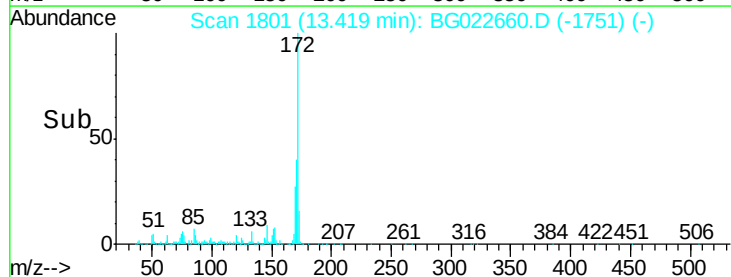
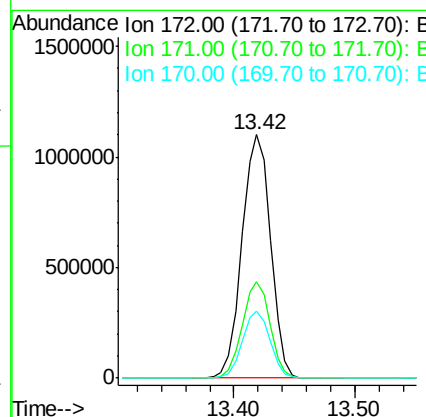
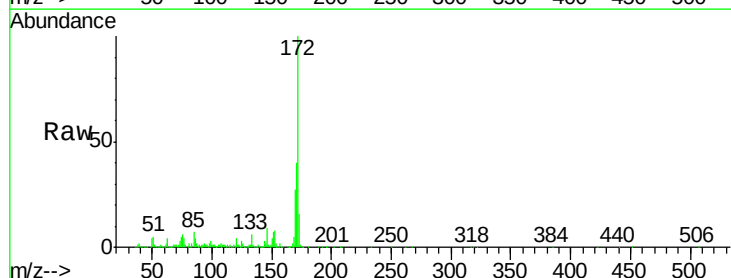
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

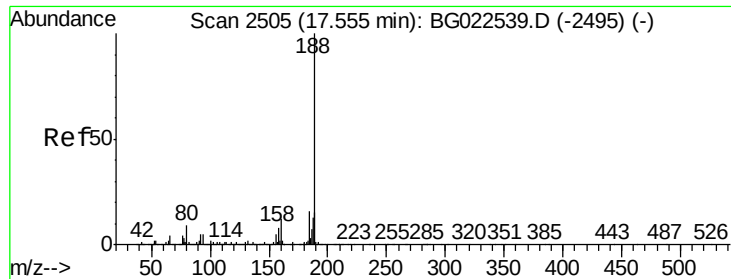
Tot Ion:330 Resp: 759362
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 36.8 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 72.76 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. -0.01 min
 Lab File: BG022660.D
 Acq: 28 Jun 2016 2:38

Tgt Ion:172 Resp: 1813468
 Ion Ratio Lower Upper
 172 100
 171 39.6 31.6 47.4
 170 27.3 21.3 31.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

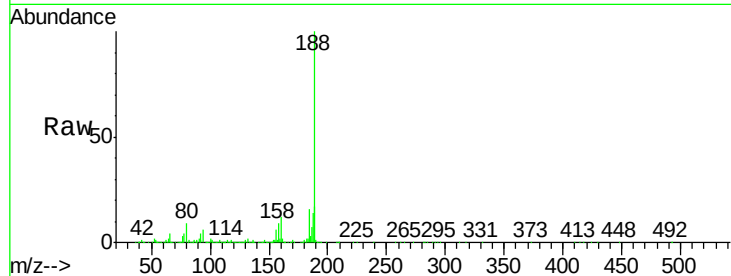
Tot Ion:188 Resp: 1098805

Ion Ratio Lower Upper

188 100

94 6.0 5.2 7.8

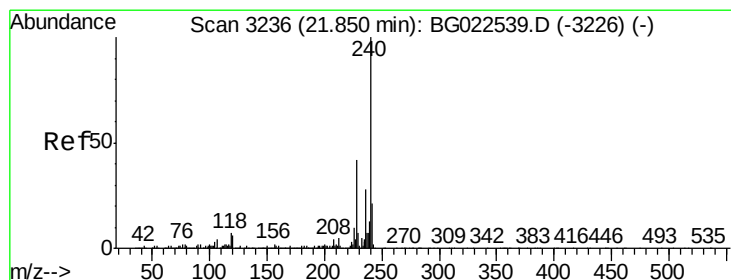
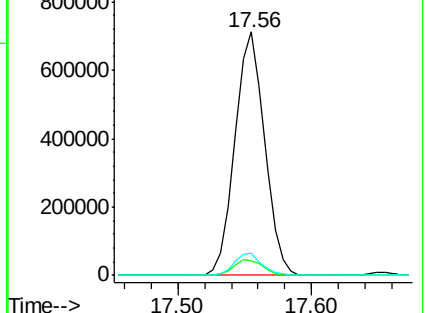
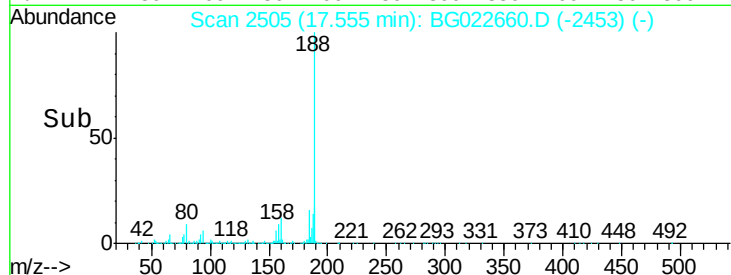
80 9.1 7.2 10.8



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

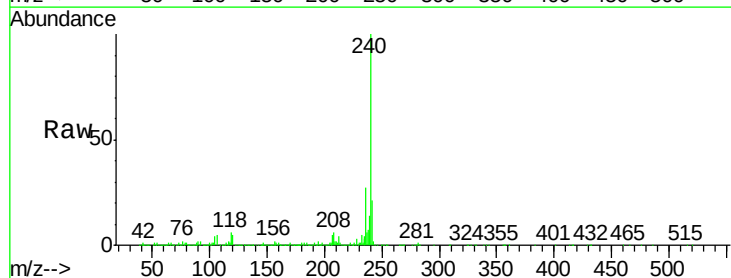
Tgt Ion:240 Resp: 1281374

Ion Ratio Lower Upper

240 100

120 5.4 4.1 6.1

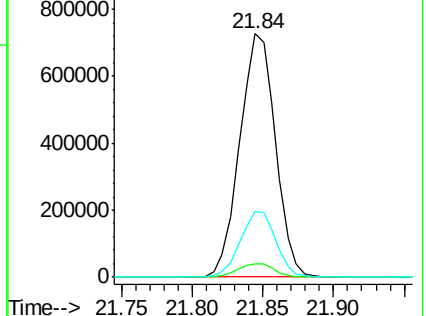
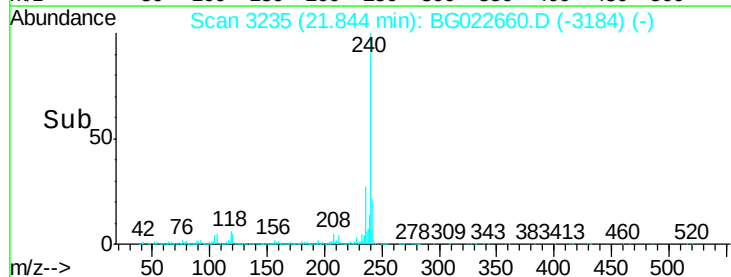
236 26.9 21.1 31.7

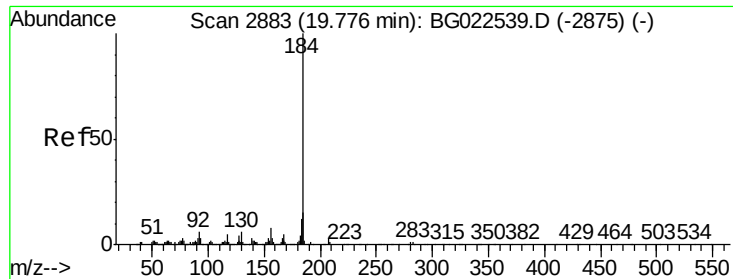


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.39 ng

RT: 19.79 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

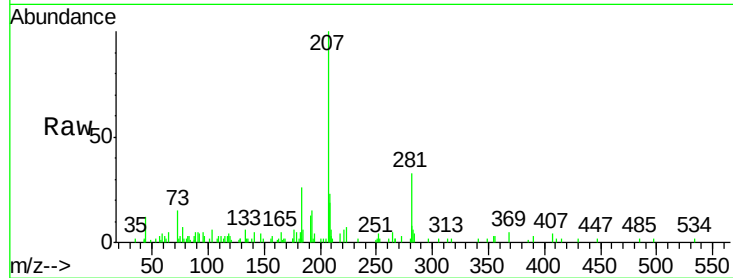
Tot Ion:184 Resp: 5292

Ion Ratio Lower Upper

184 100

185 21.0 12.6 19.0#

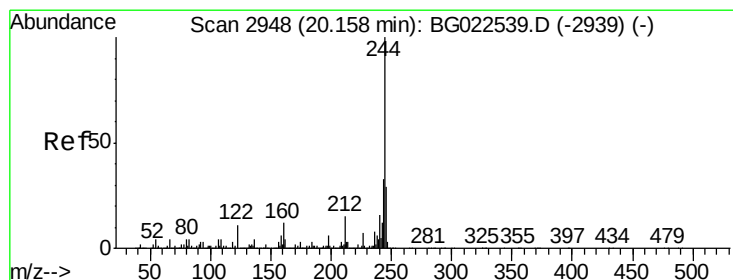
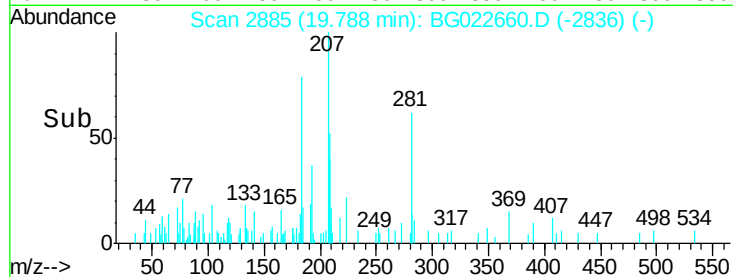
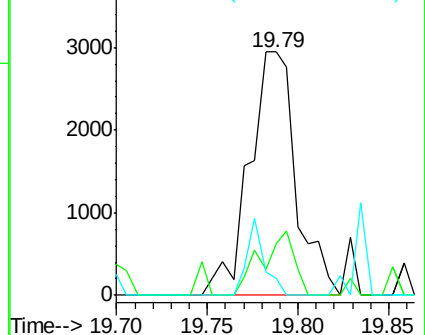
183 6.9 10.7 16.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 62.11 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BG022660.D

Acq: 28 Jun 2016 2:38

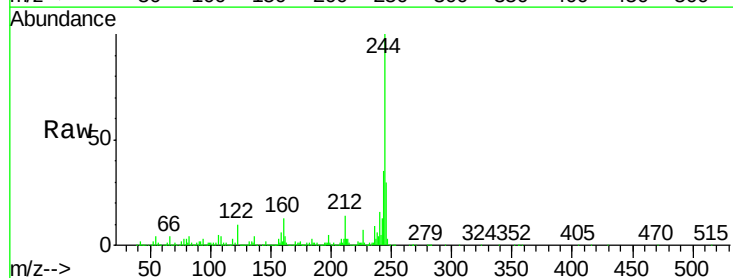
Tgt Ion:244 Resp: 3004112

Ion Ratio Lower Upper

244 100

212 13.7 10.8 16.2

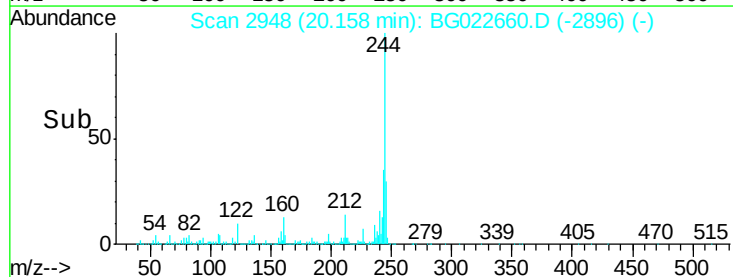
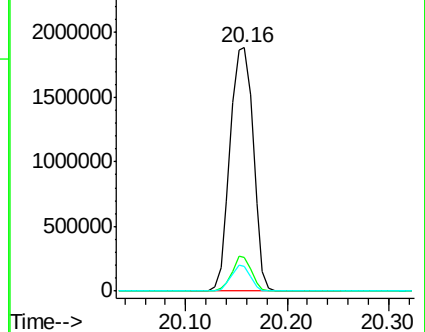
122 10.3 8.0 12.0

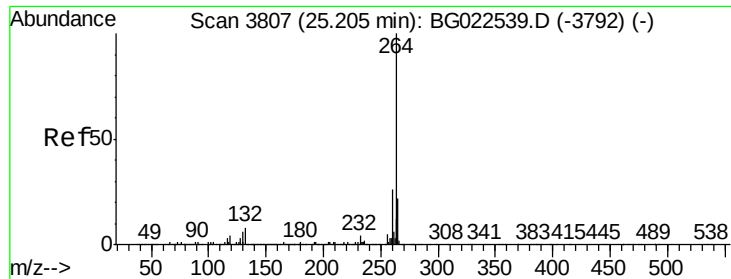


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3808
Delta R.T. 0.00 min
Lab File: BG022660.D
Acq: 28 Jun 2016 2:38

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

Tot Ion:264 Resp: 1286149

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	23.7	18.9	28.3

