

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071417\
 Data File : BG027936.D
 Acq On : 14 Jul 2017 22:19
 Operator : SJ/JU
 Sample : I3757-05
 Misc : 05PPM LOD
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT3-2017

Quant Time: Jul 17 08:35:43 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 16:10:34 2017
 Response via : Initial Calibration

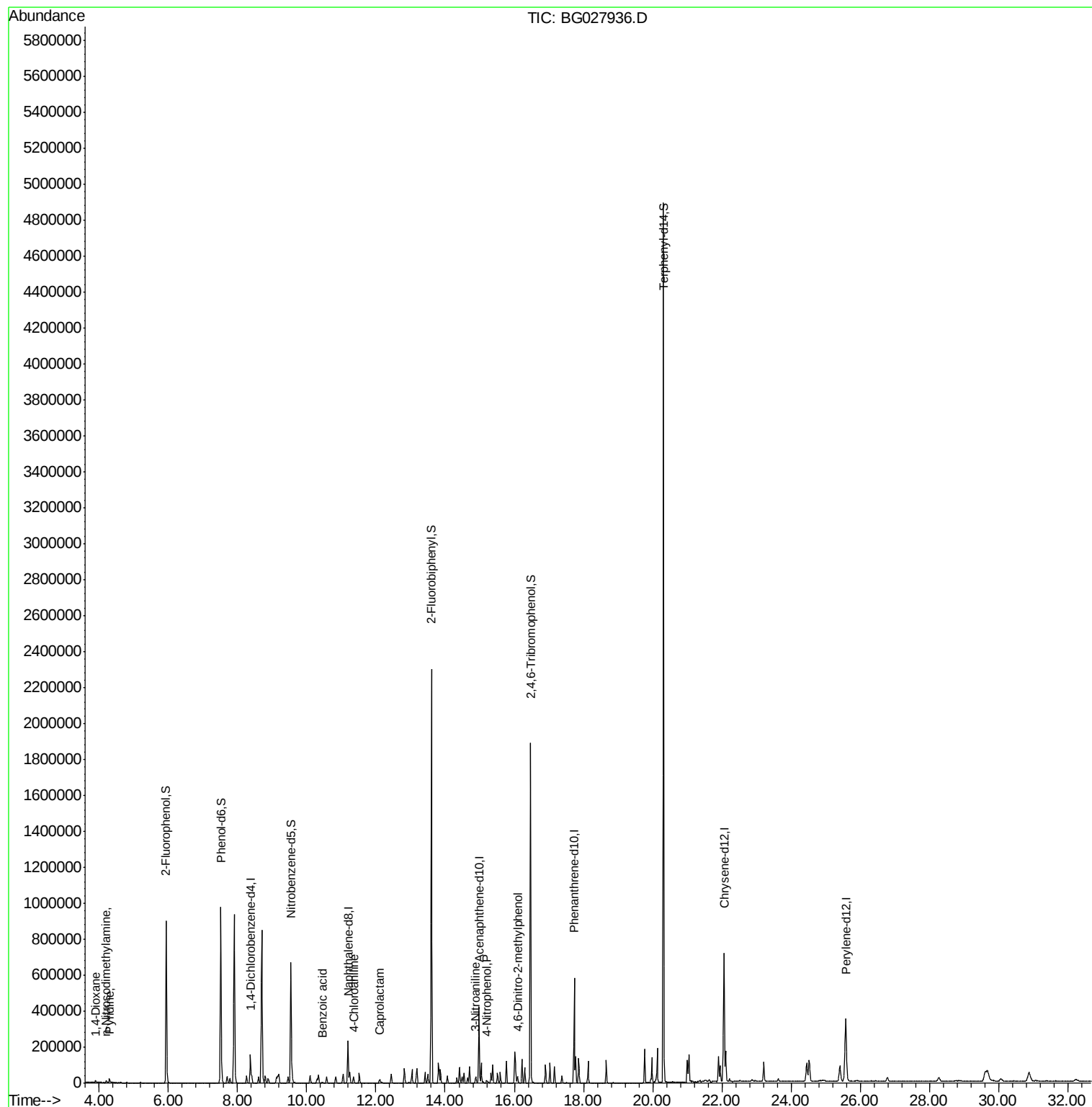
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.37	152	48683	20.00	ng	0.00
21) Naphthalene-d8	11.19	136	207128	20.00	ng	0.00
38) Acenaphthene-d10	14.98	164	150890	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	396476	20.00	ng	0.00
75) Chrysene-d12	22.06	240	478776	20.00	ng	0.00
86) Perylene-d12	25.58	264	436432	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.94	112	403722	148.33	ng	0.00
7) Phenol-d6	7.52	99	555557	141.68	ng	0.00
23) Nitrobenzene-d5	9.54	82	399420	107.75	ng	0.00
41) 2,4,6-Tribromophenol	16.47	330	392278	175.43	ng	0.00
44) 2-Fluorobiphenyl	13.61	172	1268688	110.89	ng	0.00
78) Terphenyl-d14	20.31	244	2141398	101.13	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.90	88	5328	5.258	ng	90
3) Pyridine	4.30	79	13643	4.694	ng	90
4) n-Nitrosodimethylamine	4.21	42	8727	5.344	ng	87
32) Benzoic acid	10.46	122	2892m	8.988	ng	
33) 4-Chloroaniline	11.35	127	20397	4.833	ng	# 90
35) Caprolactam	12.11	113	4989	4.589	ng	# 69
52) 3-Nitroaniline	14.88	138	11453	4.489	ng	# 67
55) 4-Nitrophenol	15.20	139	7025	7.869	ng	# 43
64) 4,6-Dinitro-2-methylphenol	16.09	198	10284	3.891	ng	93

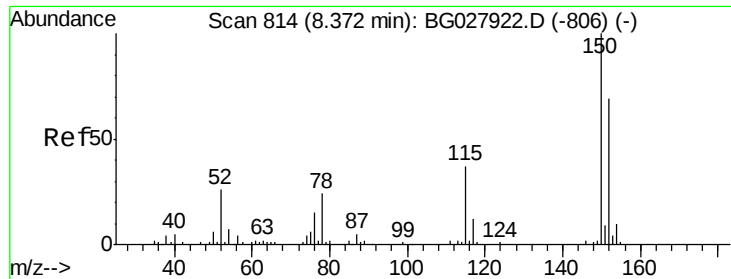
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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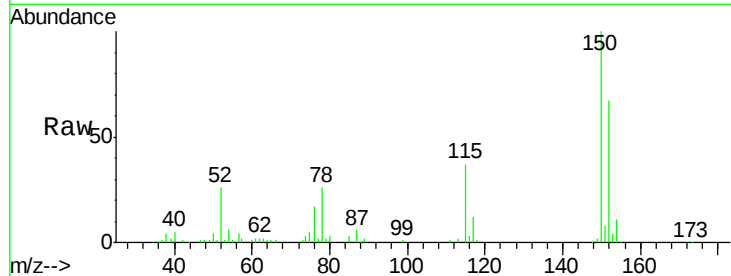


#1

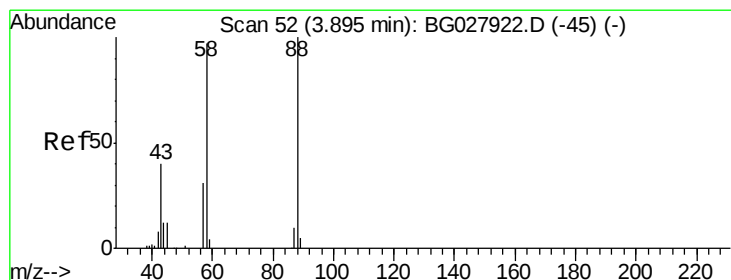
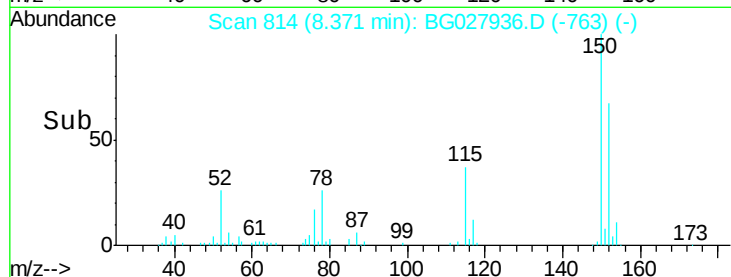
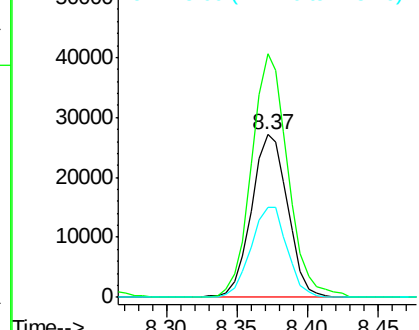
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.37 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG027936.D
Acq: 14 Jul 2017 22:19

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion:152 Resp: 48683
Ion Ratio Lower Upper
152 100
150 149.7 114.0 171.0
115 55.1 48.1 72.1



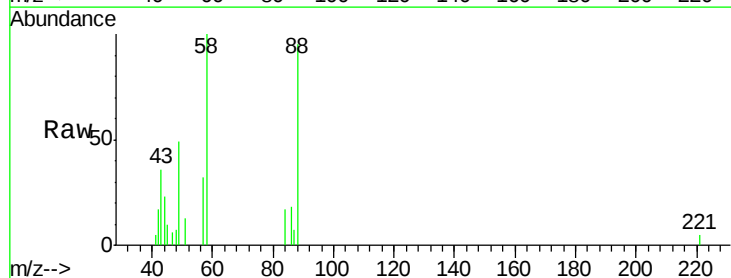
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



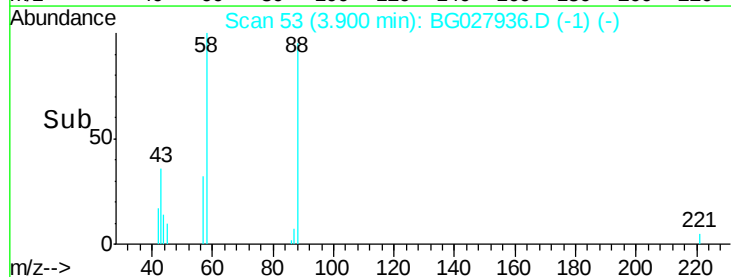
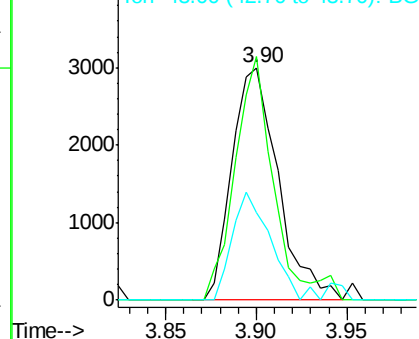
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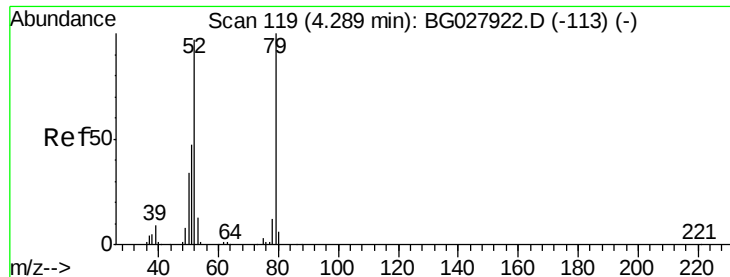
1,4-Dioxane
Concen: 5.258 ng
RT: 3.90 min Scan# 53
Delta R.T. 0.01 min
Lab File: BG027936.D
Acq: 14 Jul 2017 22:19

Tgt Ion: 88 Resp: 5328
Ion Ratio Lower Upper
88 100
58 88.0 79.4 119.2
43 38.6 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: 4.694 ng

RT: 4.30 min Scan# 121

Delta R.T. 0.01 min

Lab File: BG027936.D

Acq: 14 Jul 2017 22:19

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT3-2017

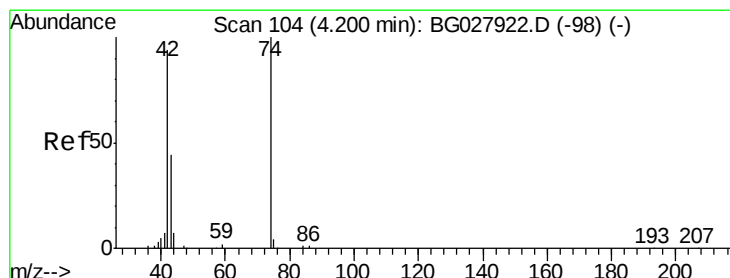
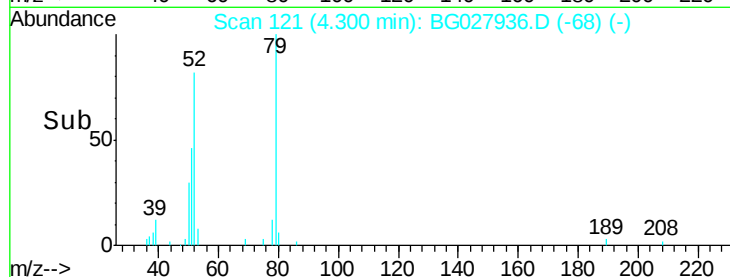
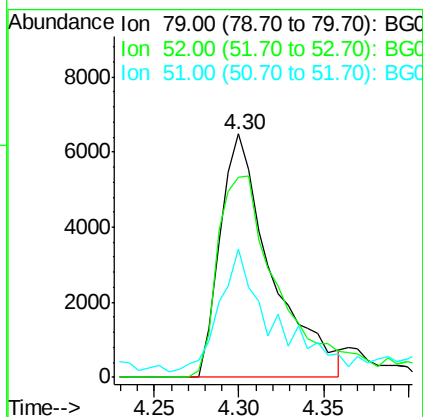
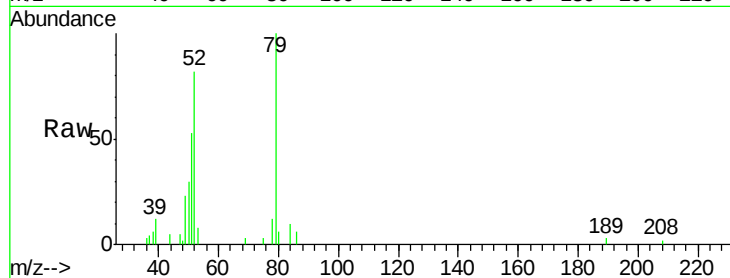
Tgt Ion: 79 Resp: 13643

Ion Ratio Lower Upper

79 100

52 82.3 77.8 116.6

51 52.6 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 5.344 ng

RT: 4.21 min Scan# 105

Delta R.T. 0.01 min

Lab File: BG027936.D

Acq: 14 Jul 2017 22:19

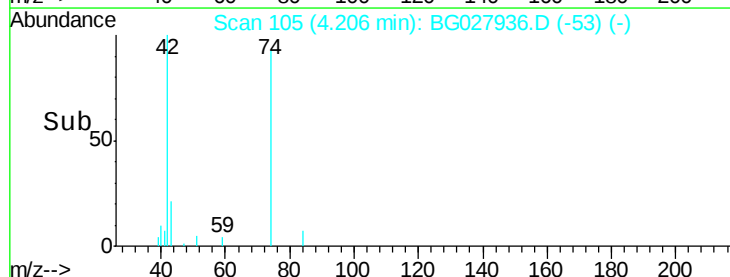
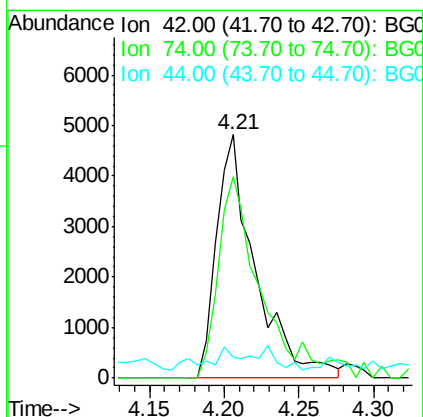
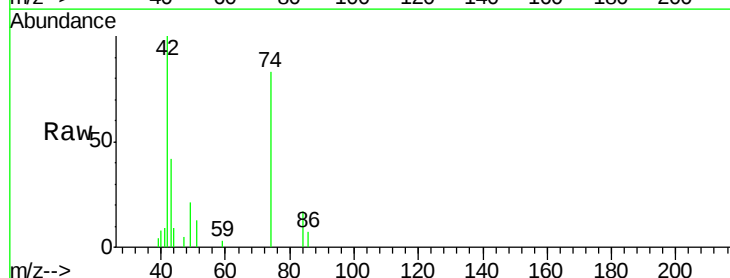
Tgt Ion: 42 Resp: 8727

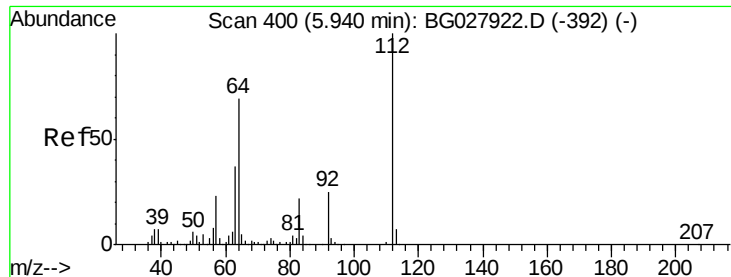
Ion Ratio Lower Upper

42 100

74 82.6 76.7 115.1

44 8.7 6.1 9.1





#5

2-Fluorophenol

Concen: 148.334 ng

RT: 5.94 min Scan# 400

Delta R.T. 0.00 min

Lab File: BG027936.D

Acq: 14 Jul 2017 22:19

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT3-2017

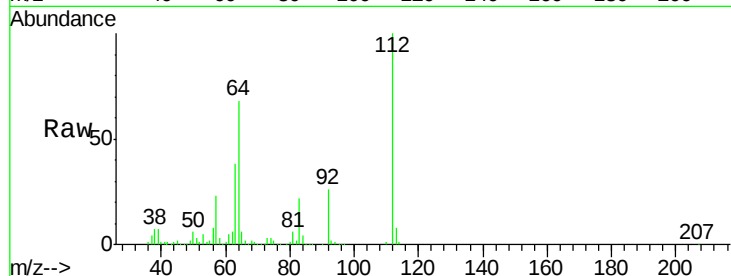
Tgt Ion: 112 Resp: 403722

Ion Ratio Lower Upper

112 100

64 67.7 61.8 92.6

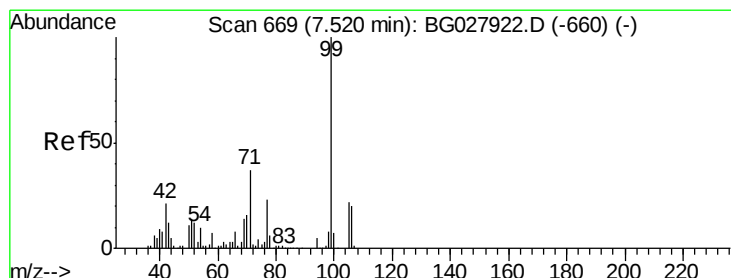
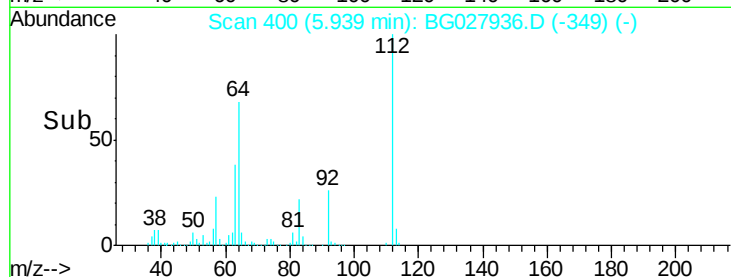
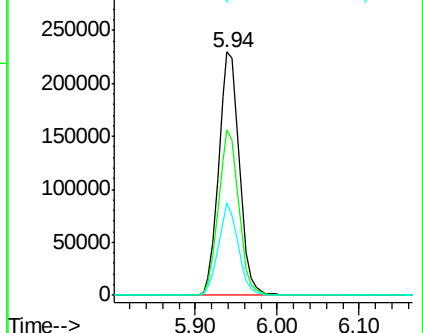
63 38.3 37.2 55.8



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: 141.678 ng

RT: 7.52 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG027936.D

Acq: 14 Jul 2017 22:19

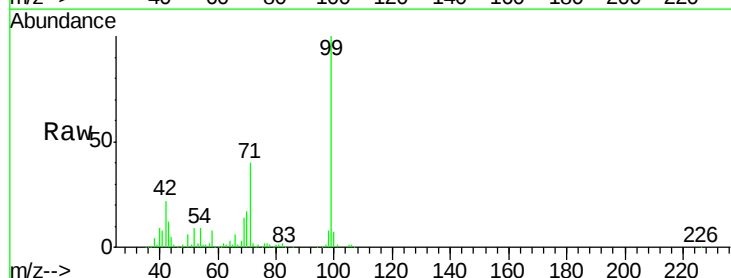
Tgt Ion: 99 Resp: 555557

Ion Ratio Lower Upper

99 100

42 22.0 20.5 30.7

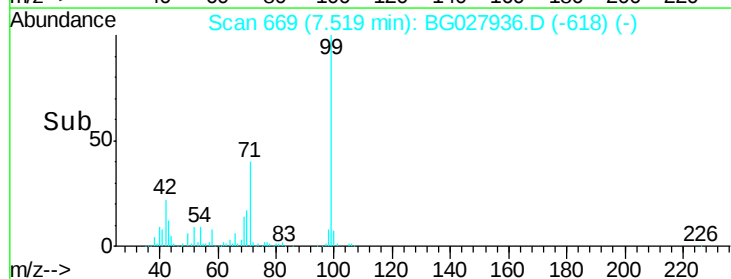
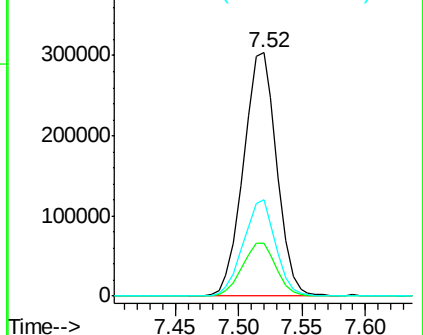
71 39.6 37.6 56.4

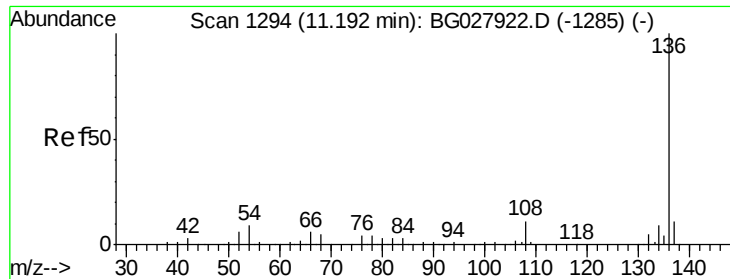


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

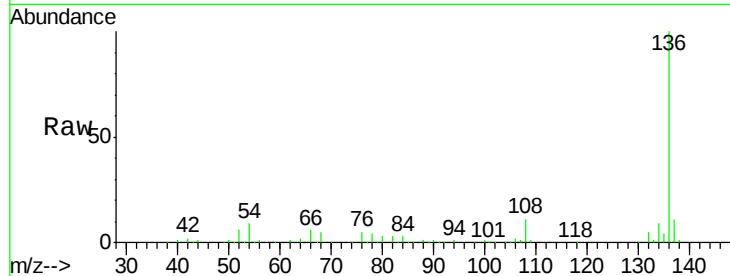




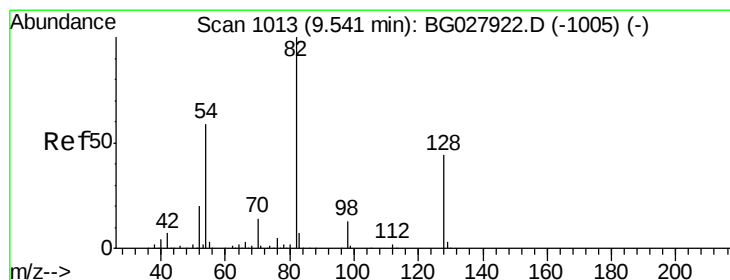
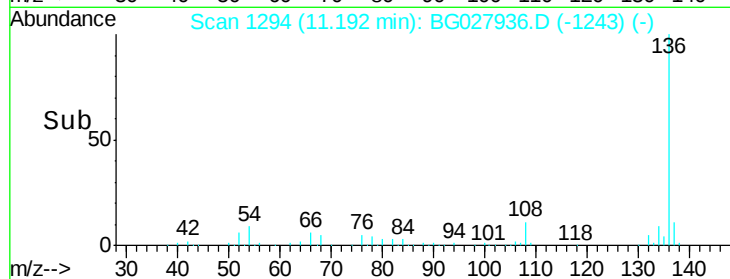
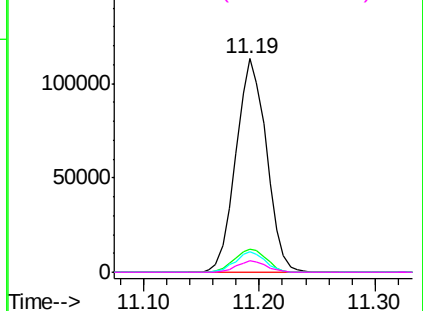
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.19 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG027936.D
Acq: 14 Jul 2017 22:19

Instrument :
BNA_G
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LOD-WATER-05-QT3-2017

Tgt Ion:	136	Resp:	207128
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.5	9.3	13.9
68	5.2	5.1	7.7

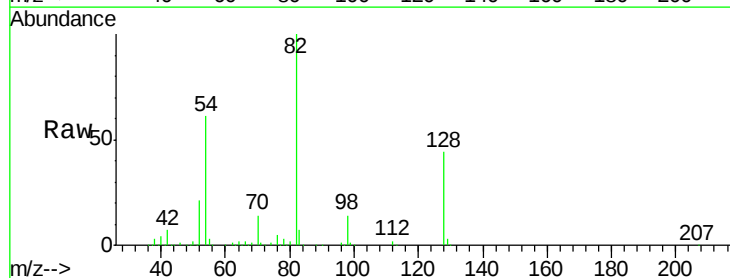


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

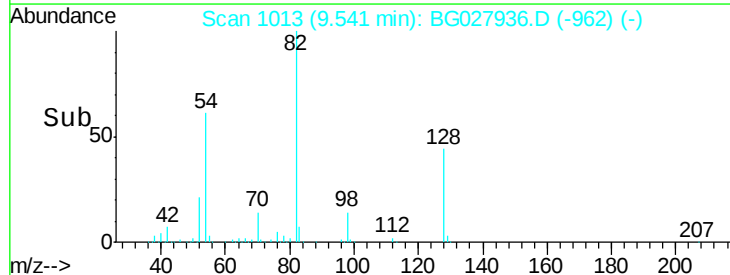
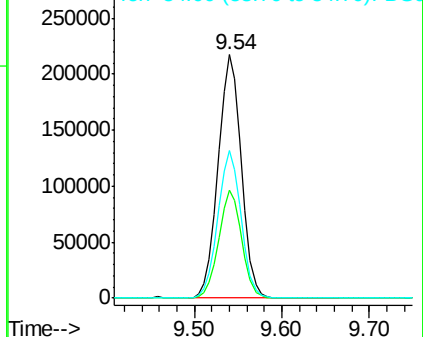


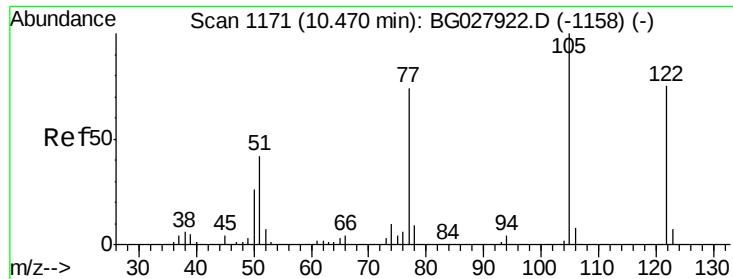
#23
Nitrobenzene-d5
Concen: 107.748 ng
RT: 9.54 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BG027936.D
Acq: 14 Jul 2017 22:19

Tgt Ion:	82	Resp:	399420
Ion	Ratio	Lower	Upper
82	100		
128	44.2	26.4	39.6#
54	60.6	49.4	74.2



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: 8.988 ng m

RT: 10.46 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BG027936.D

Acq: 14 Jul 2017 22:19

Instrument :

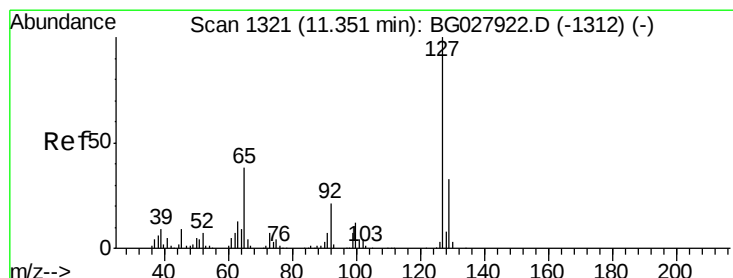
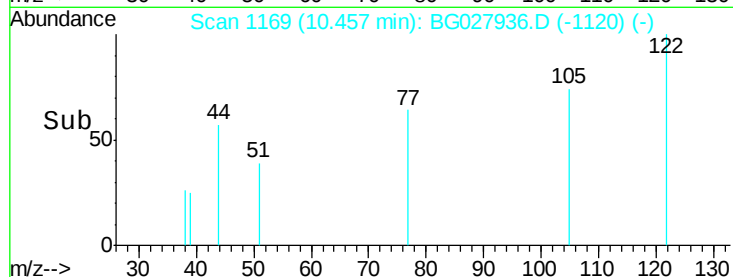
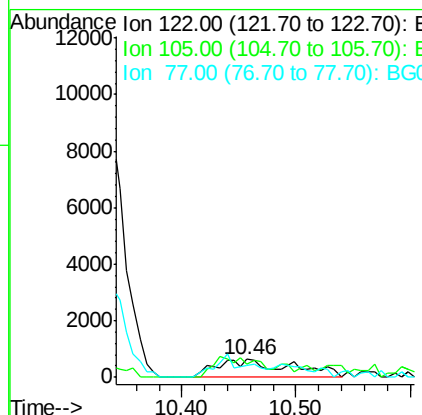
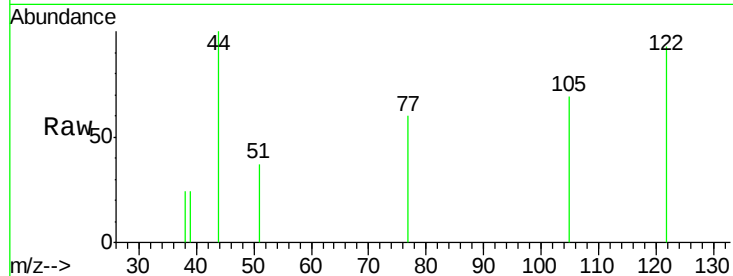
BNA_G

ClientSampleId :

LOD-WATER-05-QT3-2017

Tgt Ion:122 Resp: 2892

Ion	Ratio	Lower	Upper
122	100		
105	74.3	120.1	160.1#
77	63.8	104.6	144.6#



#33

4-Chloroaniline

Concen: 4.833 ng

RT: 11.35 min Scan# 1321

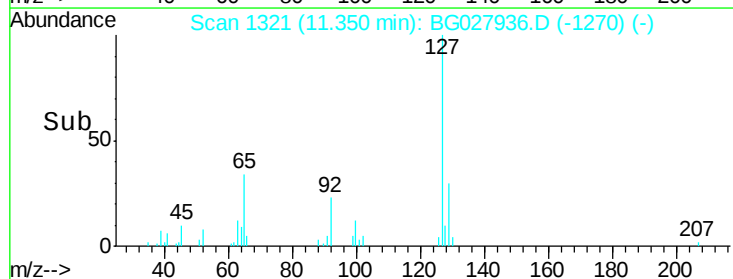
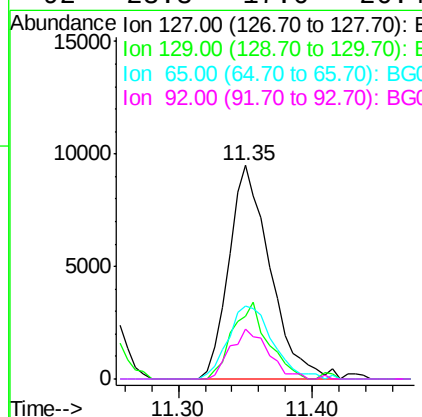
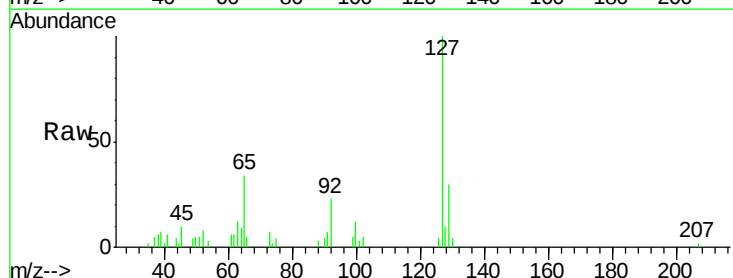
Delta R.T. -0.00 min

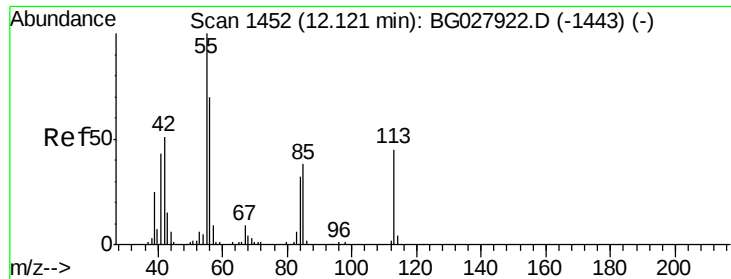
Lab File: BG027936.D

Acq: 14 Jul 2017 22:19

Tgt Ion:127 Resp: 20397

Ion	Ratio	Lower	Upper
127	100		
129	29.6	23.6	35.4
65	34.1	37.7	56.5#
92	23.3	17.6	26.4

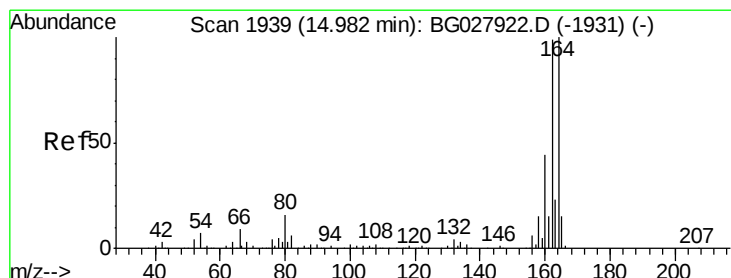
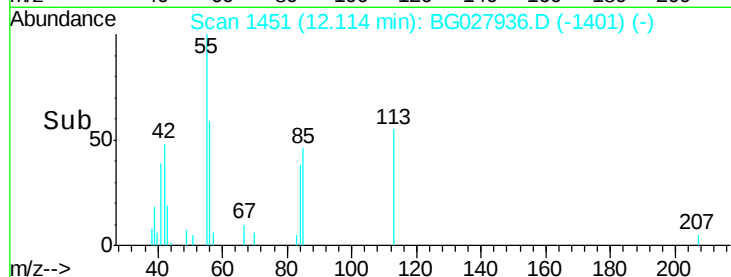
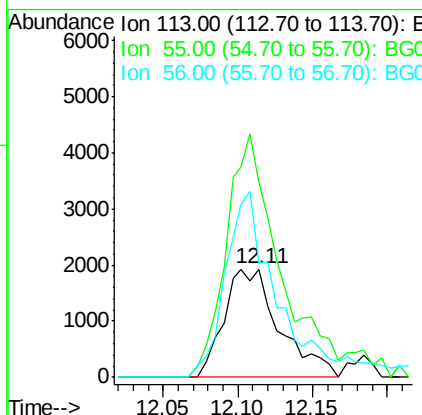
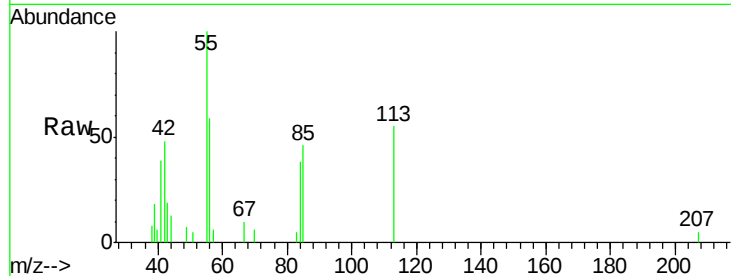




#35
 Caprolactam
 Concen: 4.589 ng
 RT: 12.11 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BG027936.D
 Acq: 14 Jul 2017 22:19

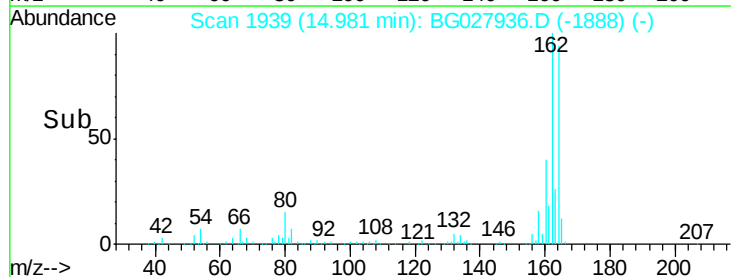
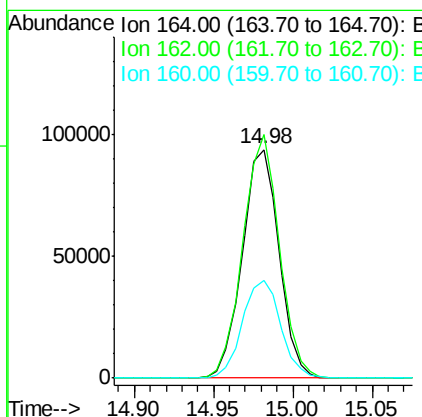
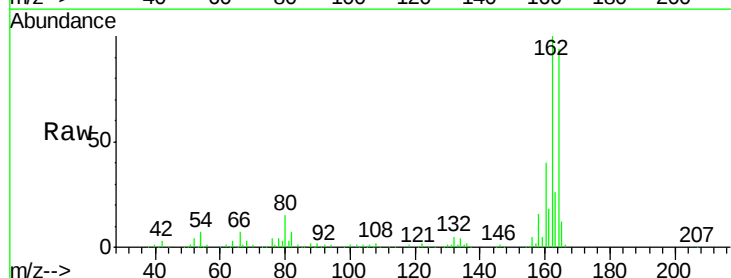
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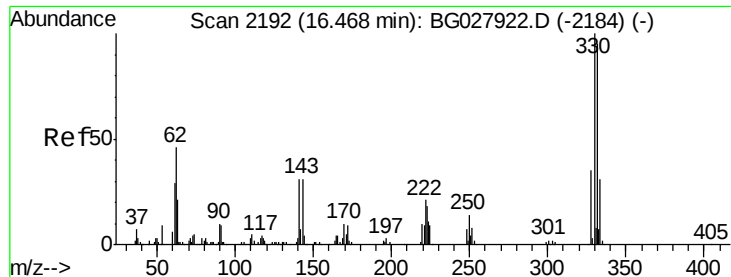
Tgt Ion:113 Resp: 4989
 Ion Ratio Lower Upper
 113 100
 55 180.3 198.6 238.6#
 56 105.9 140.4 180.4#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.98 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: BG027936.D
 Acq: 14 Jul 2017 22:19

Tgt Ion:164 Resp: 150890
 Ion Ratio Lower Upper
 164 100
 162 106.6 85.1 127.7
 160 43.0 34.7 52.1

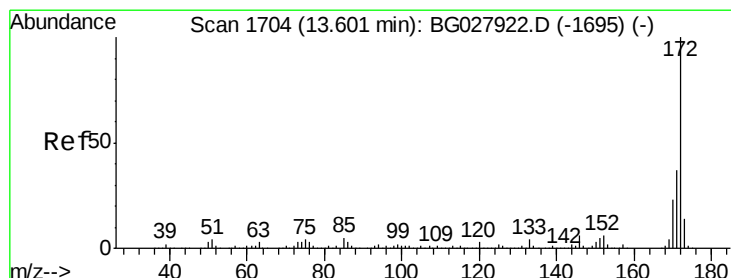
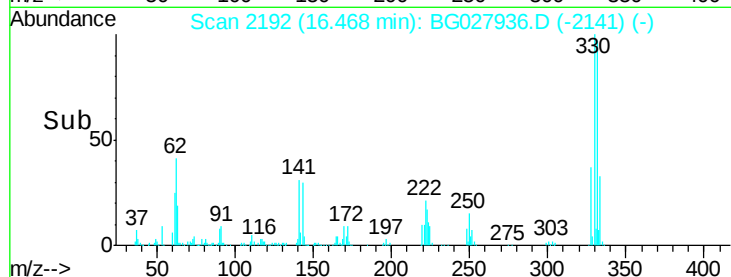
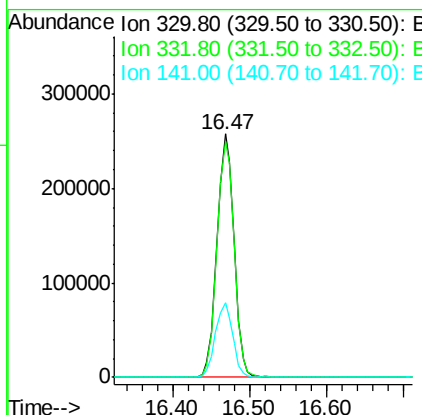
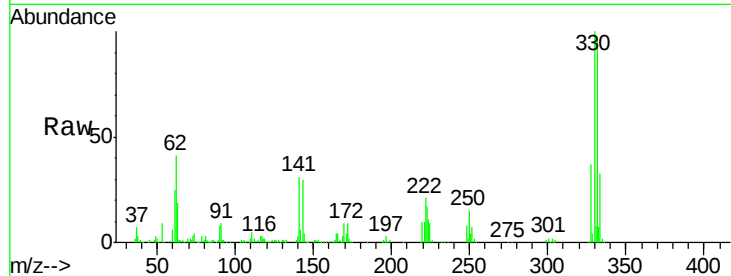




#41
 2,4,6-Tribromophenol
 Concen: 175.426 ng
 RT: 16.47 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: BG027936.D
 Acq: 14 Jul 2017 22:19

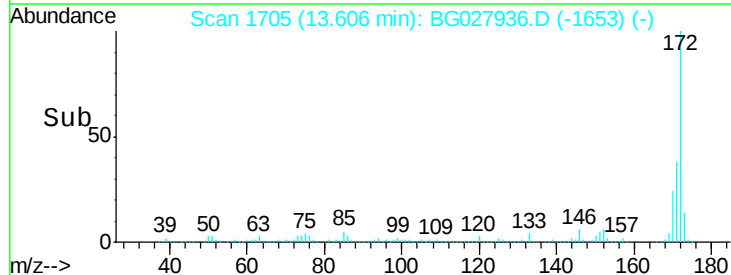
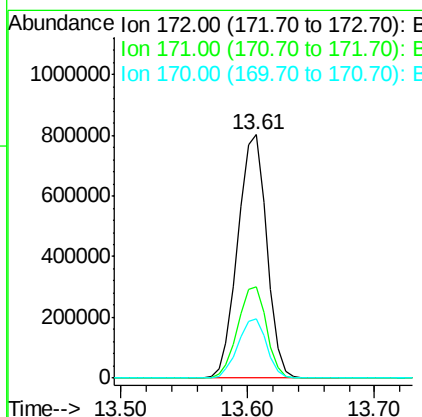
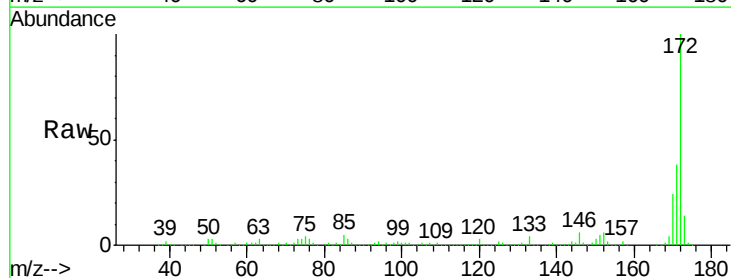
Instrument :
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 ClientSampleId :
 LOD-WATER-05-QT3-2017

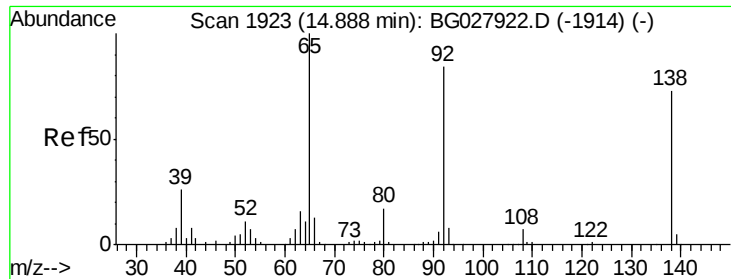
Tgt Ion:330 Resp: 392278
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.3 115.9
 141 31.2 32.1 48.1#



#44
 2-Fluorobiphenyl
 Concen: 110.886 ng
 RT: 13.61 min Scan# 1705
 Delta R.T. 0.01 min
 Lab File: BG027936.D
 Acq: 14 Jul 2017 22:19

Tgt Ion:172 Resp: 1268688
 Ion Ratio Lower Upper
 172 100
 171 37.7 32.2 48.2
 170 24.4 21.8 32.6





#52

3-Nitroaniline

Concen: 4.489 ng

RT: 14.88 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BG027936.D

Acq: 14 Jul 2017 22:19

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT3-2017

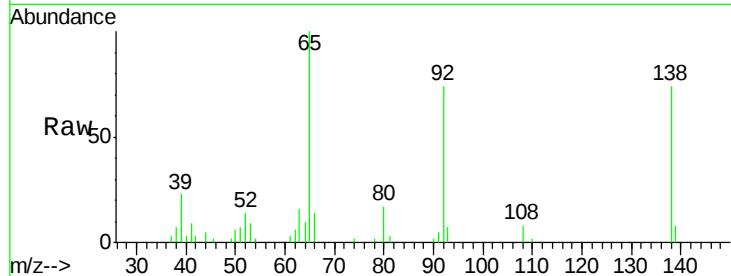
Tgt Ion:138 Resp: 11453

Ion Ratio Lower Upper

138 100

108 10.7 10.9 16.3#

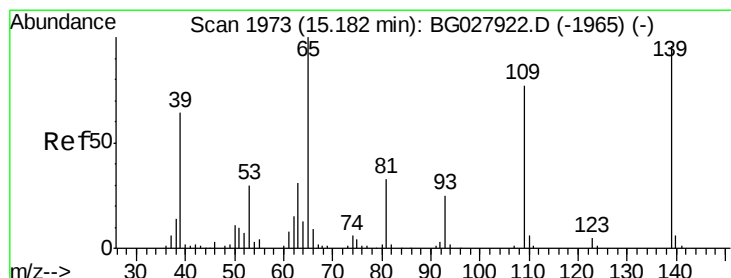
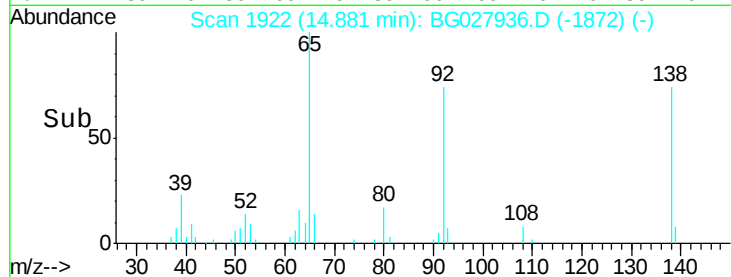
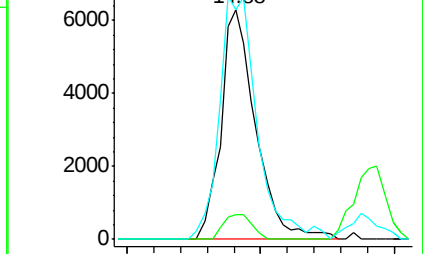
92 99.8 115.3 172.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#55

4-Nitrophenol

Concen: 7.869 ng

RT: 15.20 min Scan# 1976

Delta R.T. 0.02 min

Lab File: BG027936.D

Acq: 14 Jul 2017 22:19

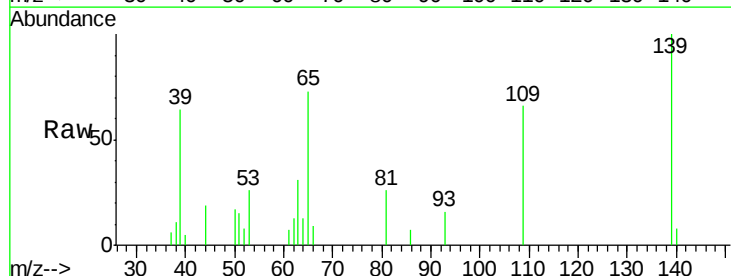
Tgt Ion:139 Resp: 7025

Ion Ratio Lower Upper

139 100

109 65.6 101.2 141.2#

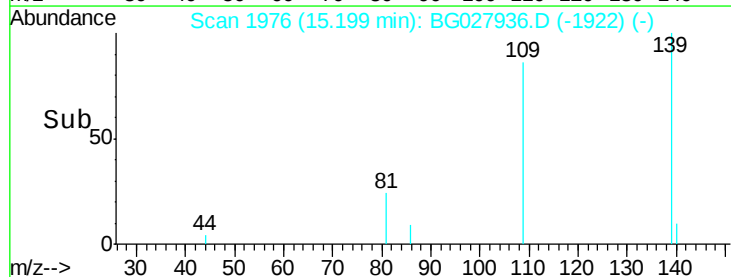
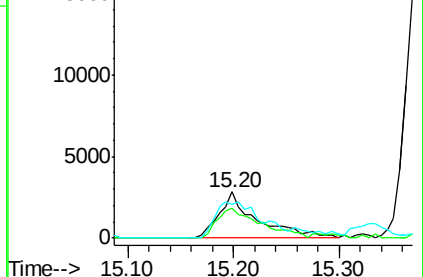
65 73.2 135.3 175.3#

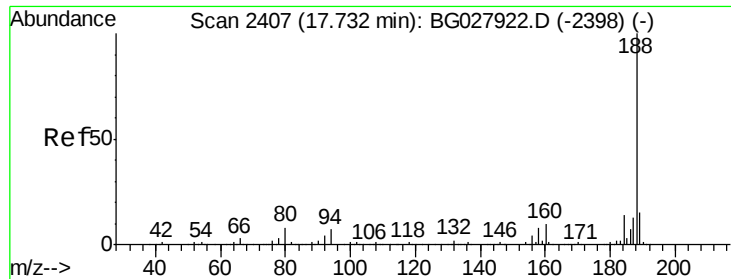


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

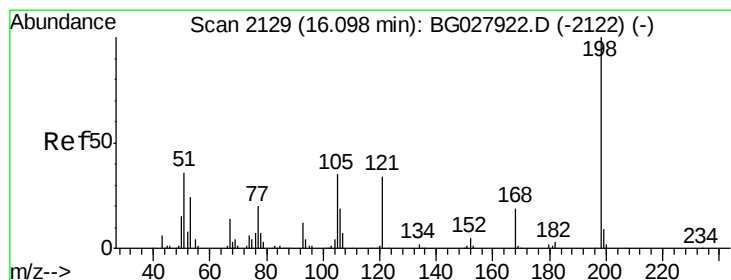
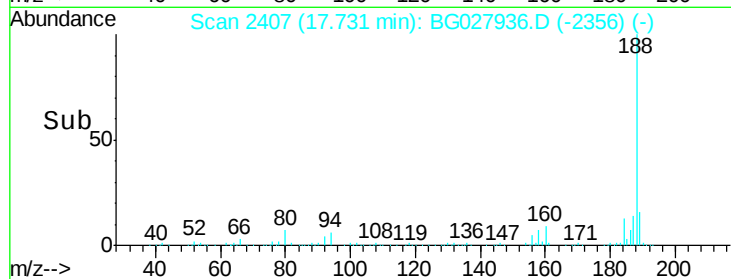
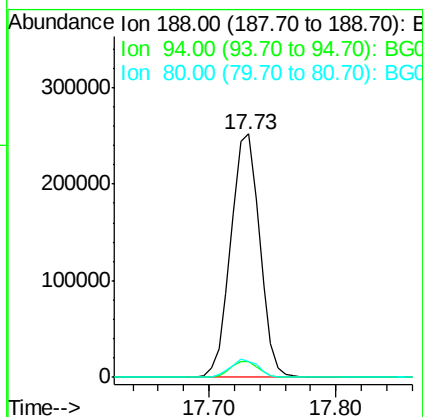
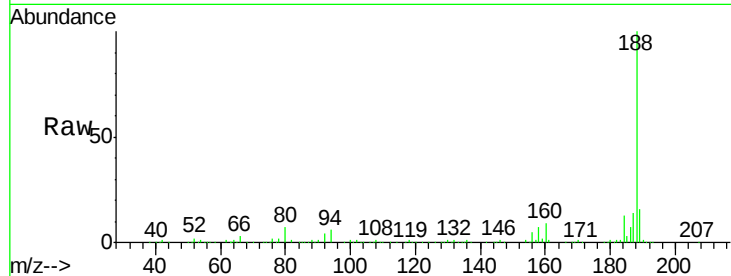




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.73 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BG027936.D
Acq: 14 Jul 2017 22:19

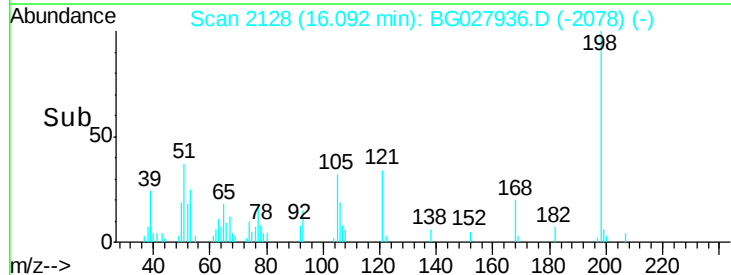
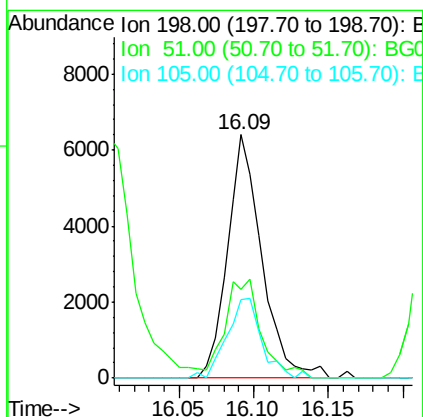
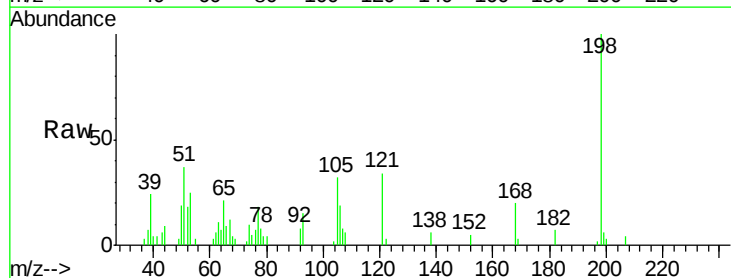
Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT3-2017

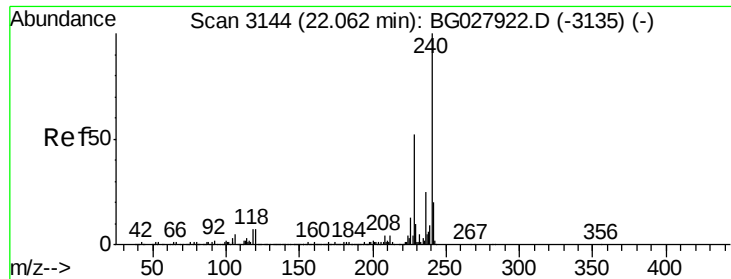
Tgt Ion:188 Resp: 396476
Ion Ratio Lower Upper
188 100
94 6.3 5.8 8.8
80 6.6 7.5 11.3#



#64
4,6-Dinitro-2-methylphenol
Concen: 3.891 ng
RT: 16.09 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BG027936.D
Acq: 14 Jul 2017 22:19

Tgt Ion:198 Resp: 10284
Ion Ratio Lower Upper
198 100
51 36.5 22.6 62.6
105 32.1 14.4 54.4





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.06 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG027936.D

Acq: 14 Jul 2017 22:19

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT3-2017

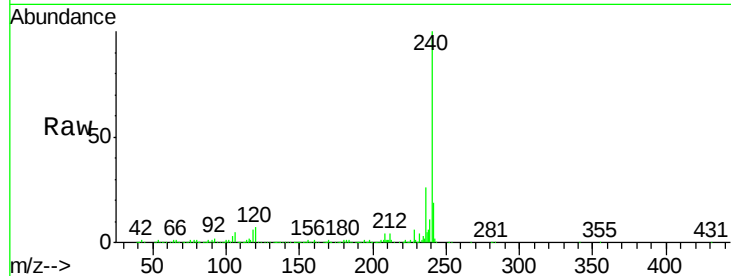
Tgt Ion:240 Resp: 478776

Ion Ratio Lower Upper

240 100

120 6.6 5.7 8.5

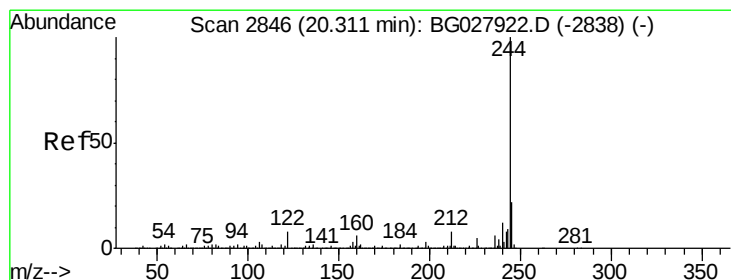
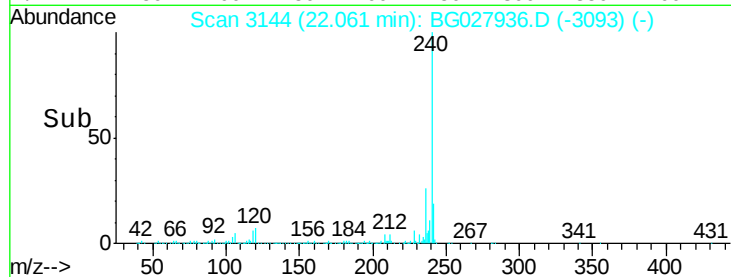
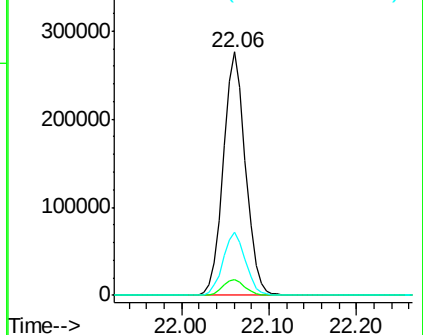
236 26.0 22.2 33.4



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: 101.129 ng

RT: 20.31 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG027936.D

Acq: 14 Jul 2017 22:19

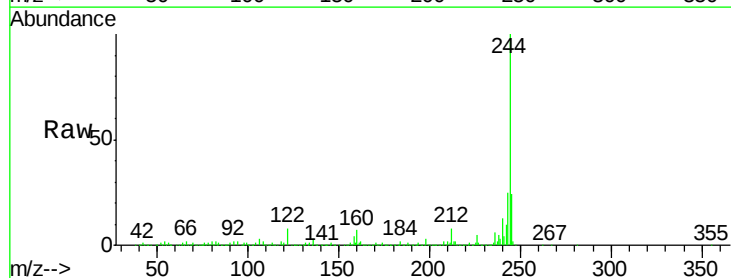
Tgt Ion:244 Resp: 2141398

Ion Ratio Lower Upper

244 100

212 8.3 10.0 15.0#

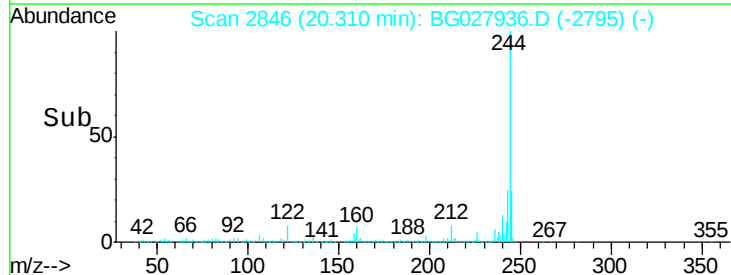
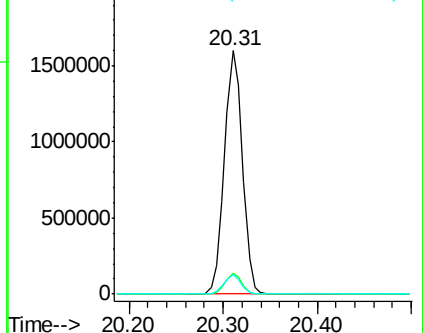
122 8.1 8.6 12.8#

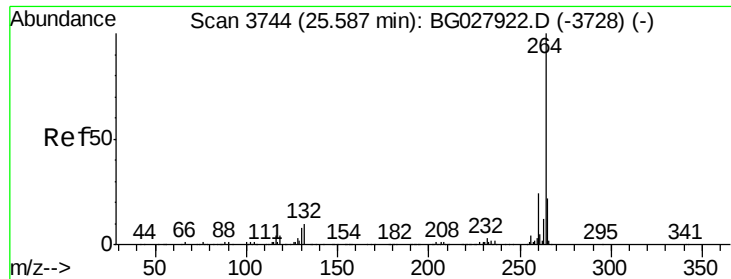


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

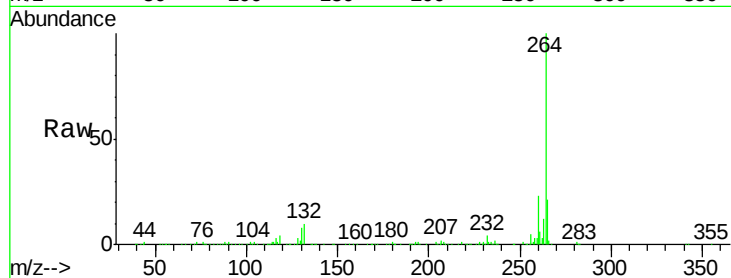




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.58 min Scan# 3743
Delta R.T. -0.01 min
Lab File: BG027936.D
Acq: 14 Jul 2017 22:19

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion: 264 Resp: 436432
Ion Ratio Lower Upper
264 100
260 23.5 21.8 32.8
265 21.2 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

