

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035863.D
 Acq On : 25 Jul 2018 1:48
 Operator : JU/SJ
 Sample : J3762-09
 Misc : MDL 5PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Quant Time: Jul 25 03:56:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 14:48:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	37868	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	140788	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	101147	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	262723	20.00	ng	0.00
75) Chrysene-d12	21.65	240	302181	20.00	ng	0.00
86) Perylene-d12	24.85	264	279258	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	283609	124.34	ng	0.00
7) Phenol-d6	7.20	99	408909	120.16	ng	0.00
23) Nitrobenzene-d5	9.19	82	282117	83.71	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	171810	128.87	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	664949	88.08	ng	0.00
78) Terphenyl-d14	20.00	244	1373758	100.21	ng	0.00

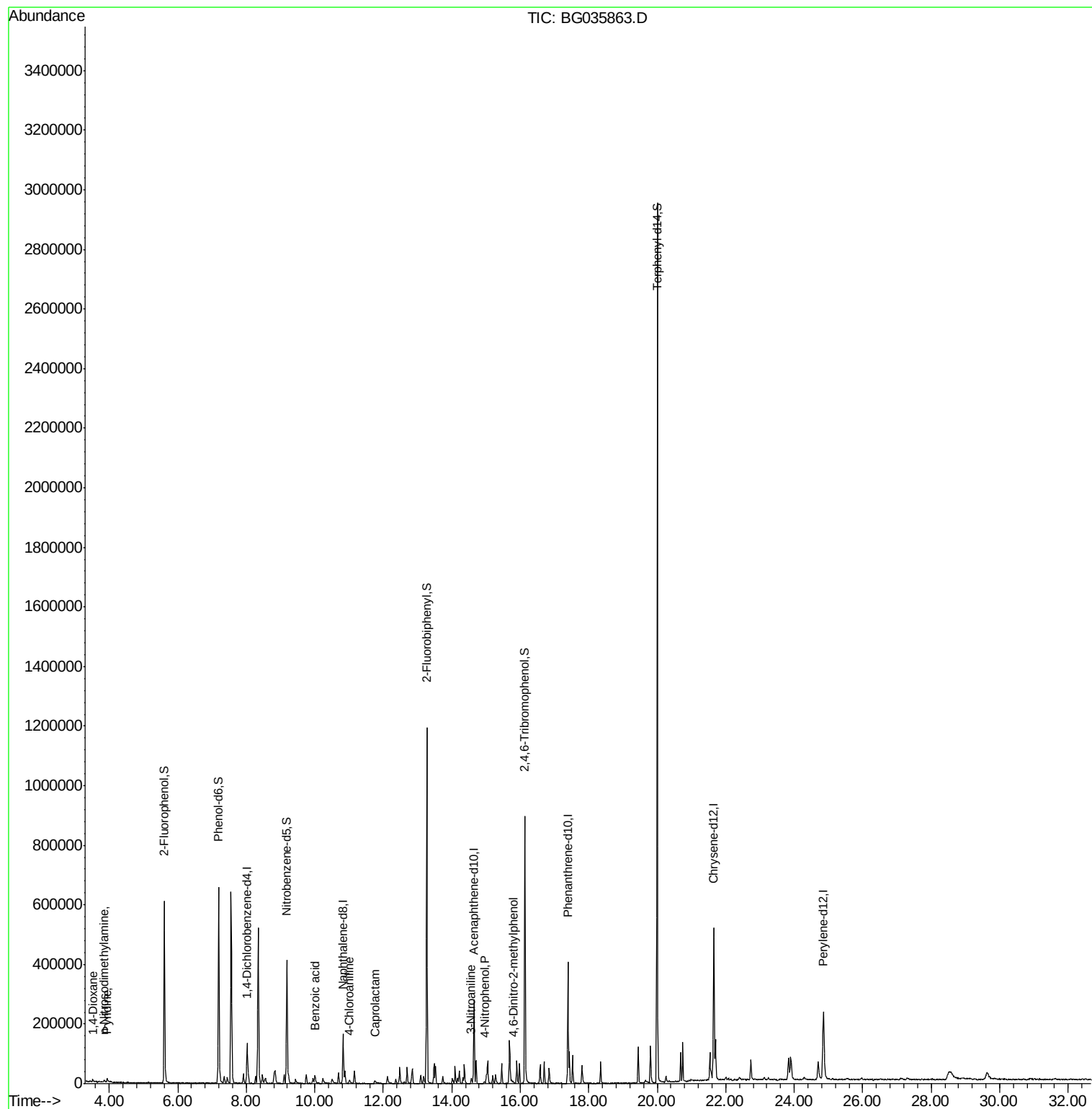
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.52	88	5687	4.899	ng	# 74
3) Pyridine	3.94	79	10624	3.506	ng	# 71
4) n-Nitrosodimethylamine	3.85	42	4664	3.584	ng	# 84
32) Benzoic acid	10.00	122	9725	7.090	ng	# 14
33) 4-Chloroaniline	11.01	127	9258	2.896	ng	# 88
35) Caprolactam	11.76	113	2648	2.653	ng	# 29
52) 3-Nitroaniline	14.57	138	5346	2.898	ng	# 90
55) 4-Nitrophenol	14.96	139	874	0.665	ng	# 87
64) 4,6-Dinitro-2-methylphenol	15.80	198	1633	1.117	ng	# 76

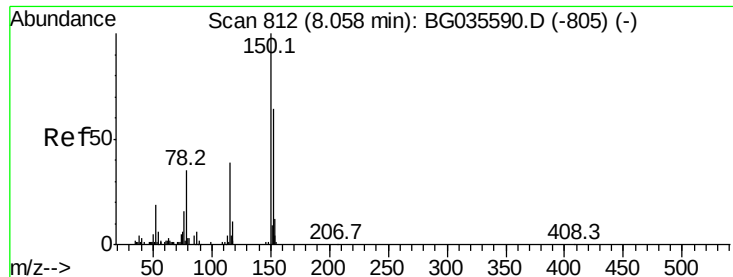
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 807

Delta R.T. 0.00 min

Lab File: BG035863.D

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Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

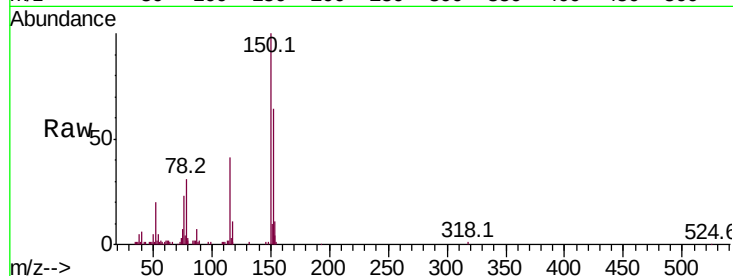
Tot Ion:152 Resp: 37868

Ion Ratio Lower Upper

152 100

150 157.0 126.6 189.8

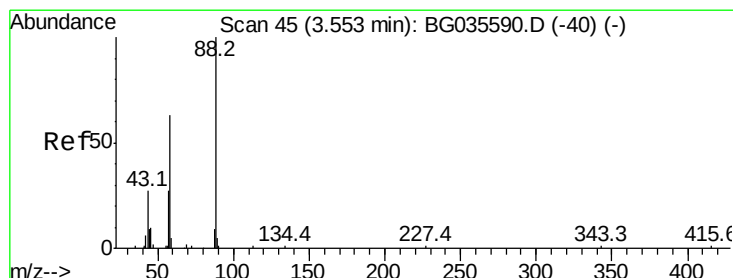
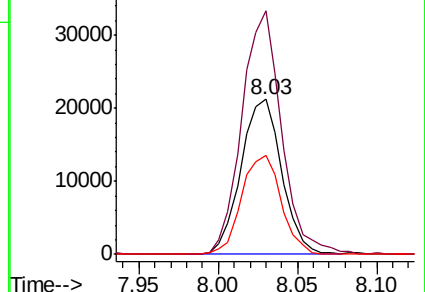
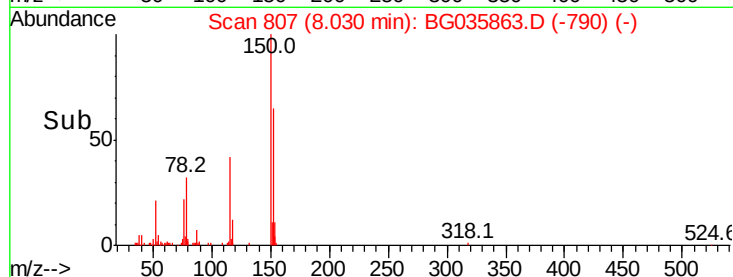
115 64.0 53.0 79.4



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: 4.899 ng

RT: 3.52 min Scan# 40

Delta R.T. 0.00 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

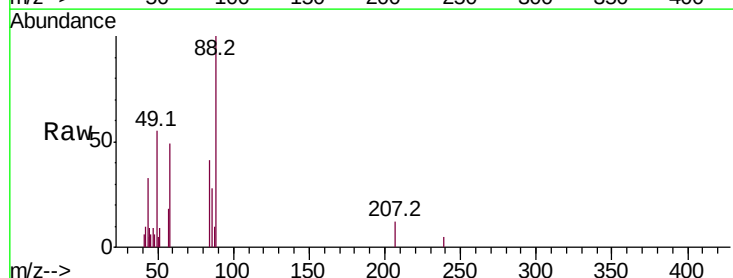
Tgt Ion: 88 Resp: 5687

Ion Ratio Lower Upper

88 100

58 73.7 79.6 119.4#

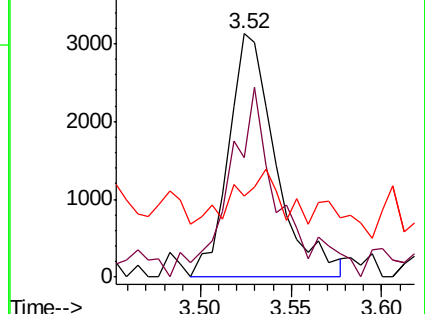
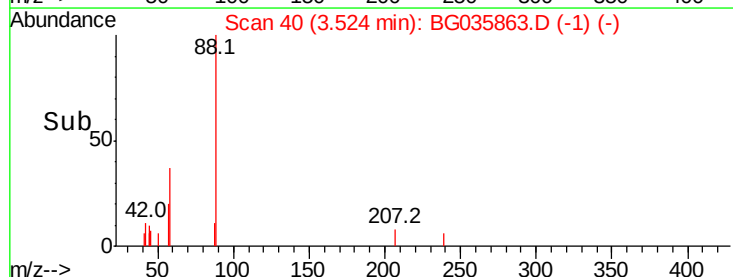
43 19.9 27.4 41.0#

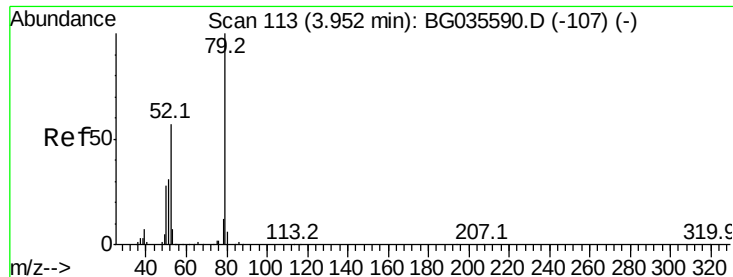


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 3.506 ng

RT: 3.94 min Scan# 110

Delta R.T. 0.02 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

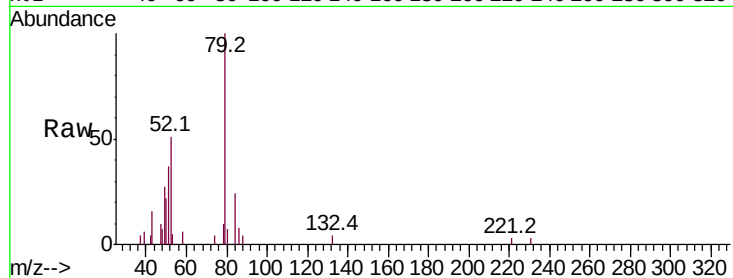
Tot Ion: 79 Resp: 10624

Ion Ratio Lower Upper

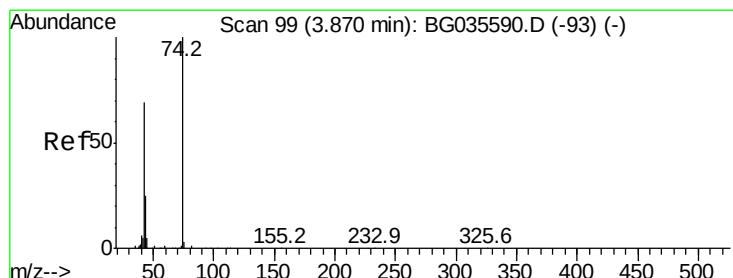
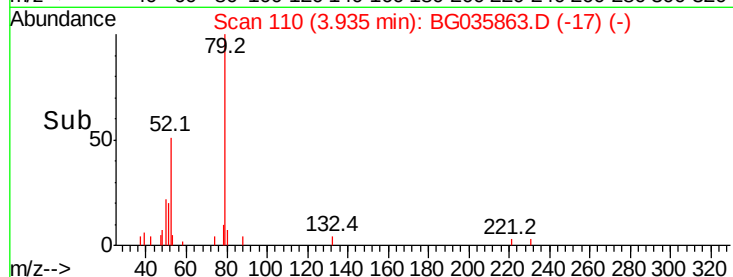
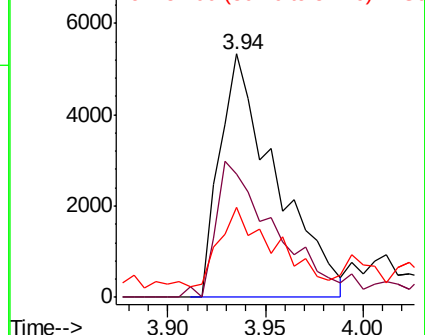
79 100

52 50.9 69.9 104.9#

51 36.8 34.0 51.0



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: 3.584 ng

RT: 3.85 min Scan# 95

Delta R.T. 0.01 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

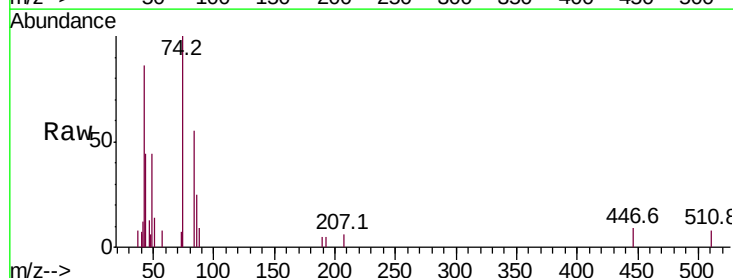
Tgt Ion: 42 Resp: 4664

Ion Ratio Lower Upper

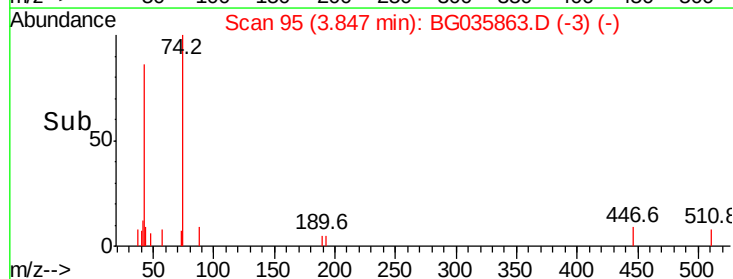
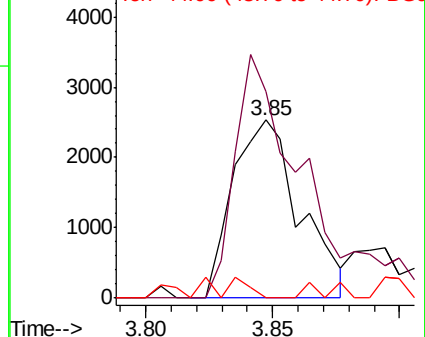
42 100

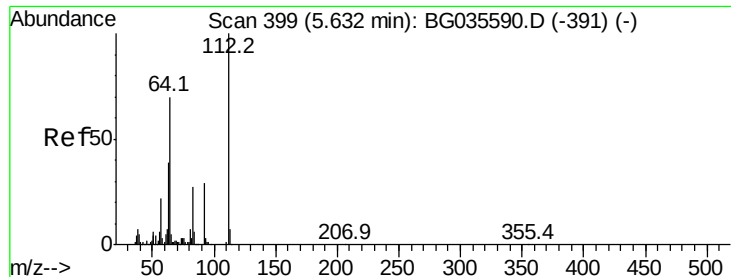
74 116.1 102.5 153.7

44 0.0 18.9 28.3#



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: 124.342 ng

RT: 5.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

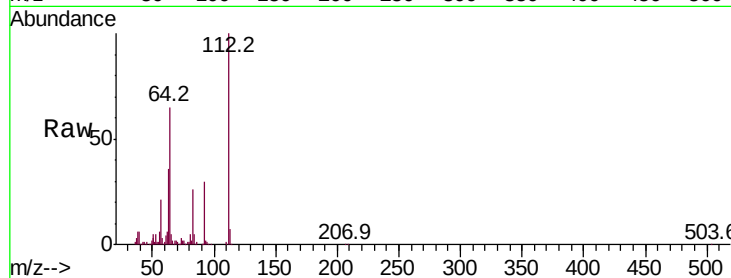
Tot Ion:112 Resp: 283609

Ion Ratio Lower Upper

112 100

64 64.6 56.3 84.5

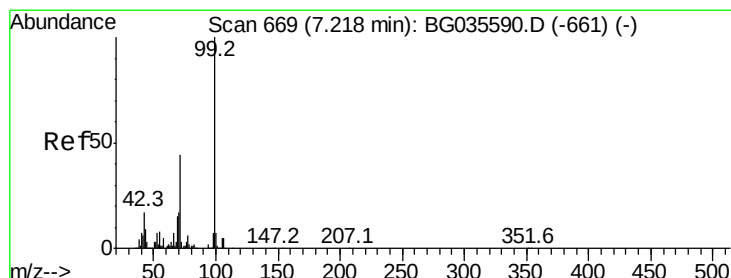
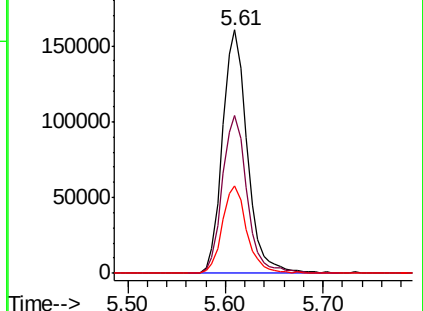
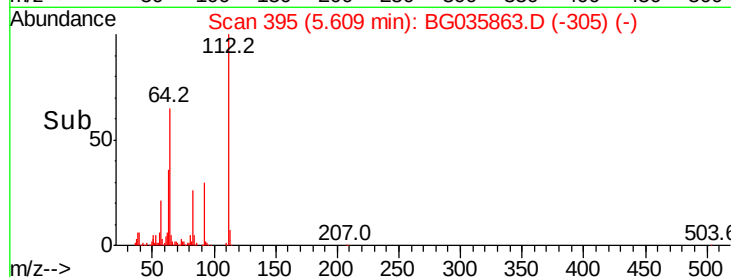
63 36.0 30.1 45.1



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: 120.160 ng

RT: 7.20 min Scan# 665

Delta R.T. 0.00 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

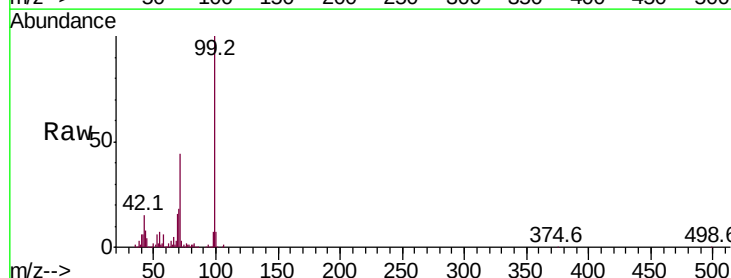
Tgt Ion: 99 Resp: 408909

Ion Ratio Lower Upper

99 100

42 15.4 14.1 21.1

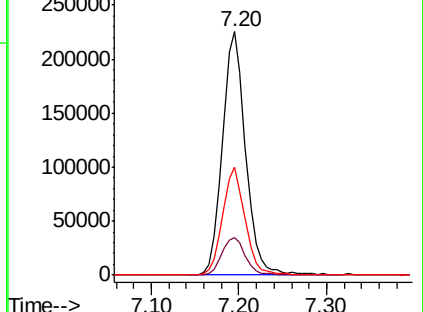
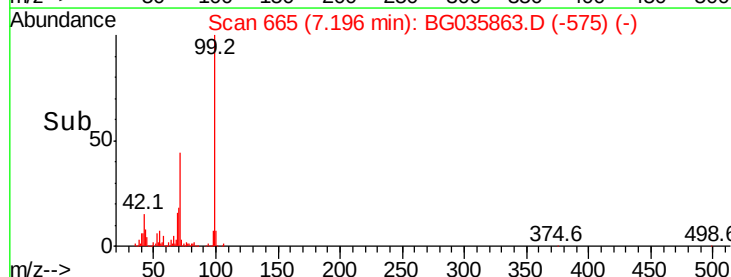
71 44.4 26.1 39.1#

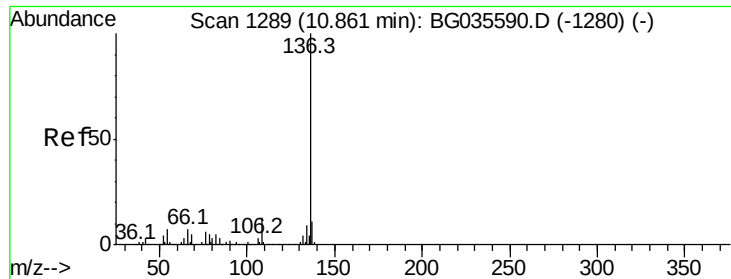


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

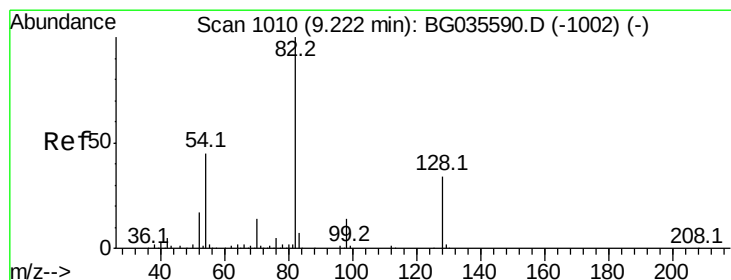
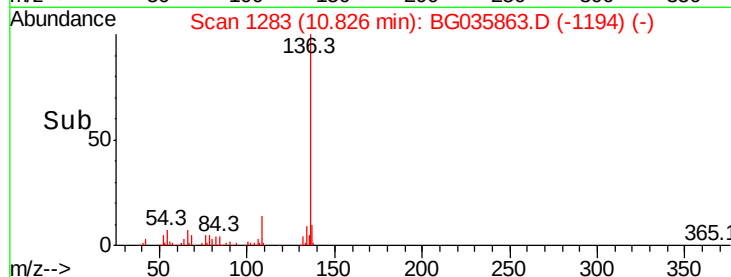
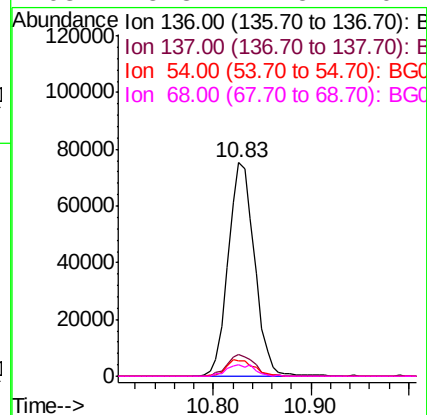
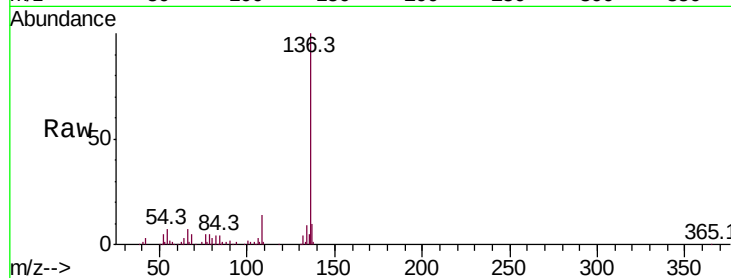




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BG035863.D
Acq: 25 Jul 2018 1:48

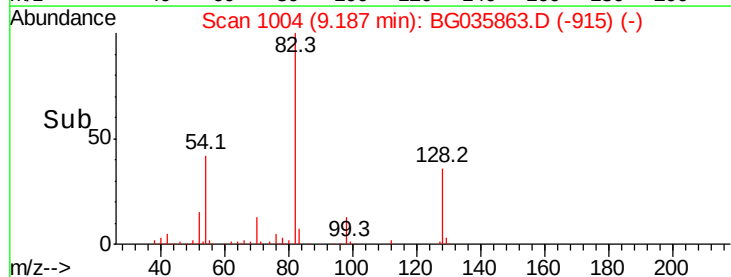
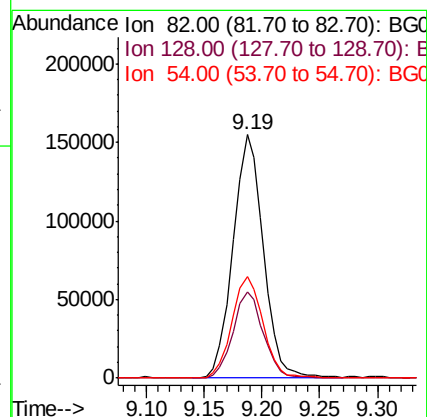
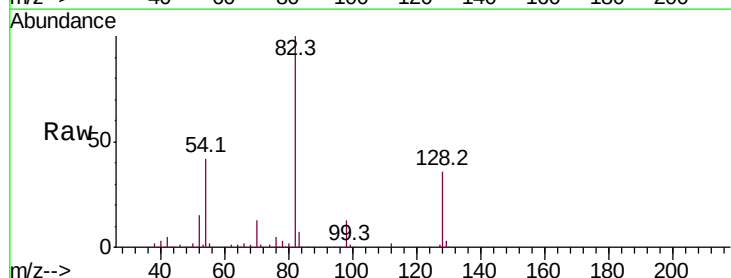
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

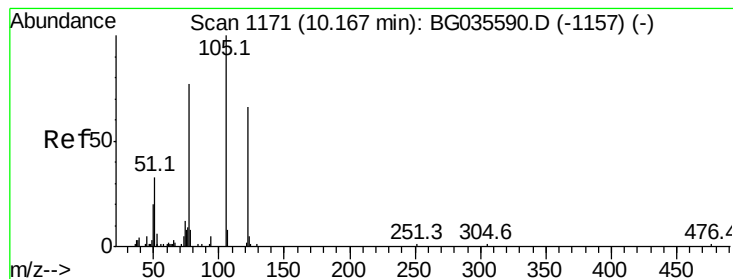
Tot Ion:	136	Resp:	140788
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	7.3	10.3	15.5#
68	5.3	4.5	6.7



#23
Nitrobenzene-d5
Concen: 83.710 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035863.D
Acq: 25 Jul 2018 1:48

Tgt Ion:	82	Resp:	282117
Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.7	44.5
54	41.9	43.1	64.7#





#32

Benzoic acid

Concen: 7.090 ng

RT: 10.00 min Scan# 1143

Delta R.T. -0.16 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

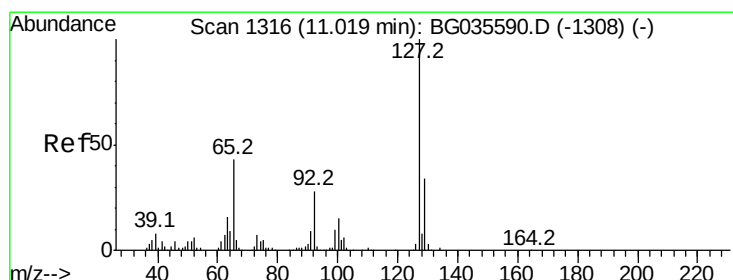
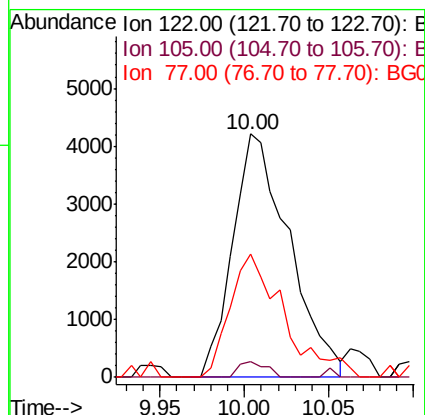
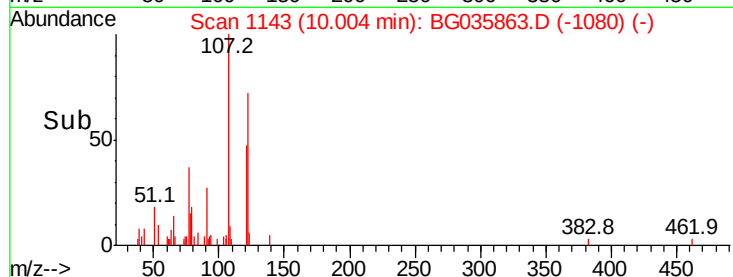
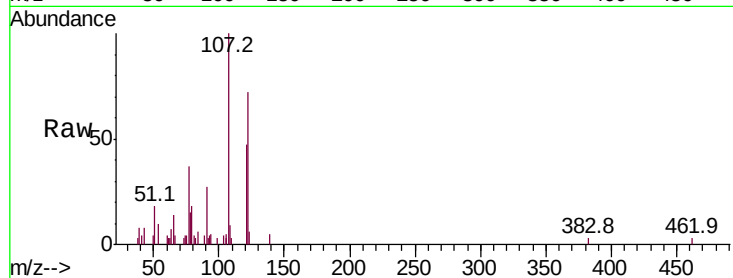
Tot Ion:122 Resp: 9725

Ion Ratio Lower Upper

122 100

105 6.7 123.5 163.5#

77 50.7 85.7 125.7#



#33

4-Chloroaniline

Concen: 2.896 ng

RT: 11.01 min Scan# 1314

Delta R.T. 0.02 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

Tgt Ion:127 Resp: 9258

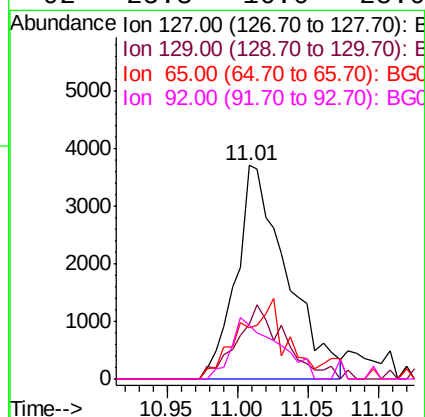
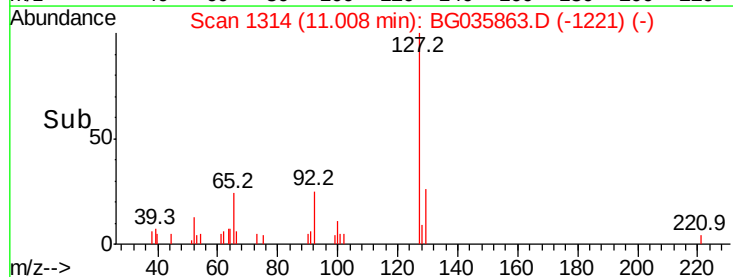
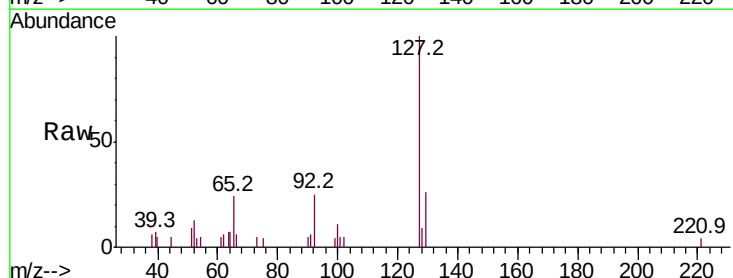
Ion Ratio Lower Upper

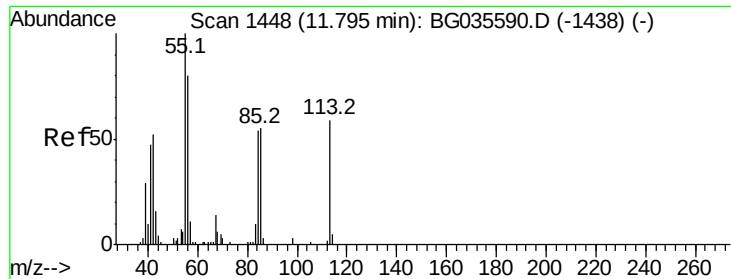
127 100

129 25.6 24.0 36.0

65 23.7 27.0 40.4#

92 25.3 16.6 25.0#

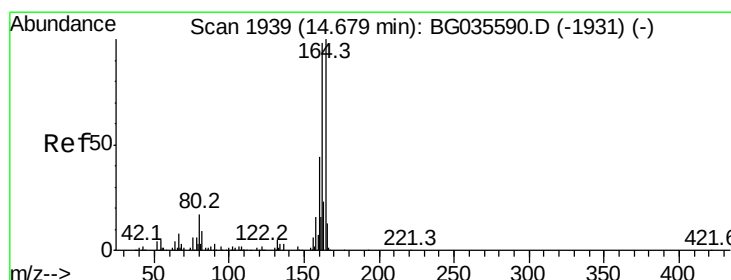
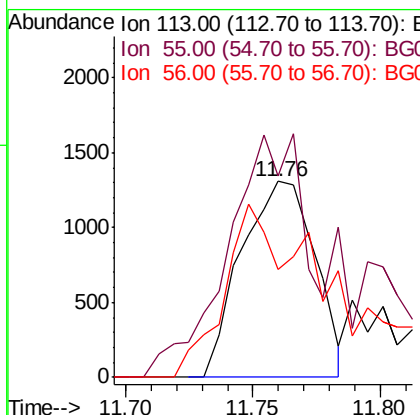
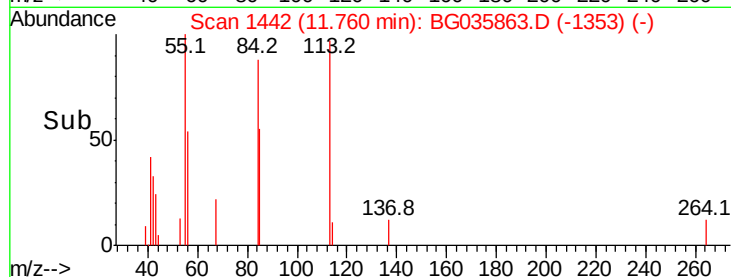
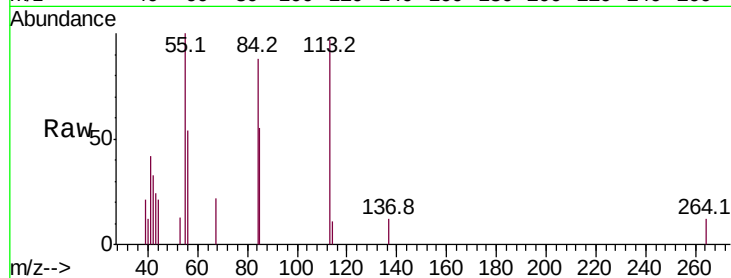




#35
 Caprolactam
 Concen: 2.653 ng
 RT: 11.76 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BG035863.D
 Acq: 25 Jul 2018 1:48

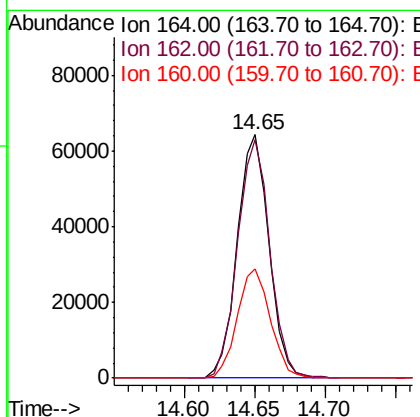
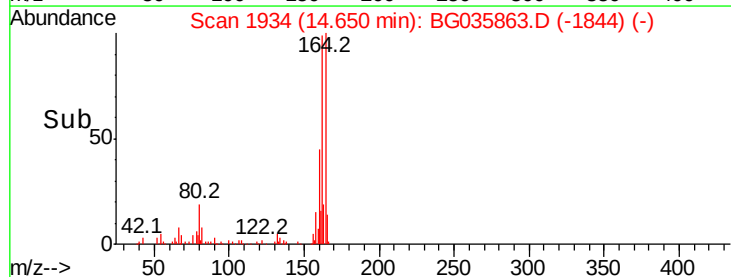
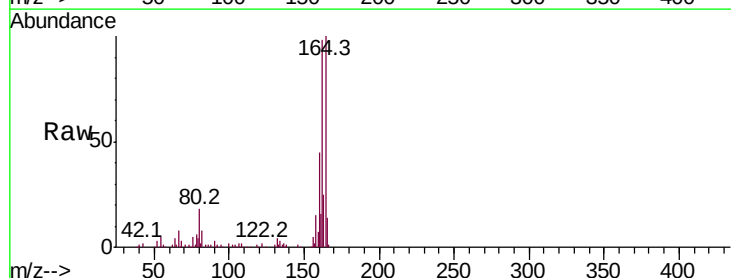
Instrument :
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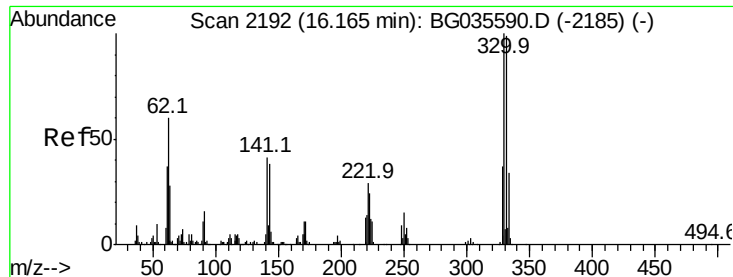
Tot Ion:113 Resp: 2648
 Ion Ratio Lower Upper
 113 100
 55 103.0 186.9 226.9#
 56 55.2 130.9 170.9#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: BG035863.D
 Acq: 25 Jul 2018 1:48

Tgt Ion:164 Resp: 101147
 Ion Ratio Lower Upper
 164 100
 162 97.9 78.8 118.2
 160 44.8 35.4 53.0

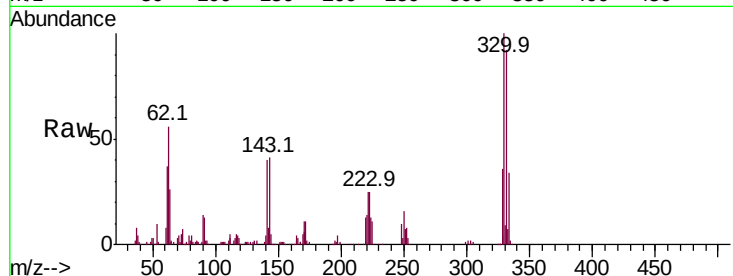




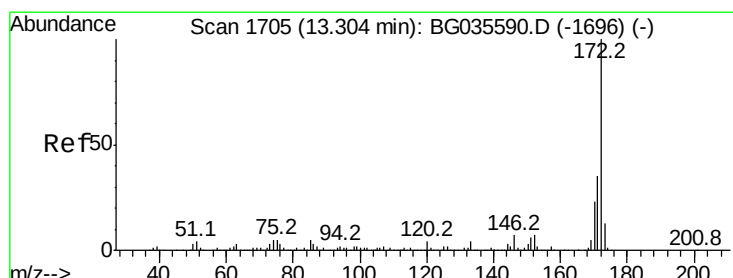
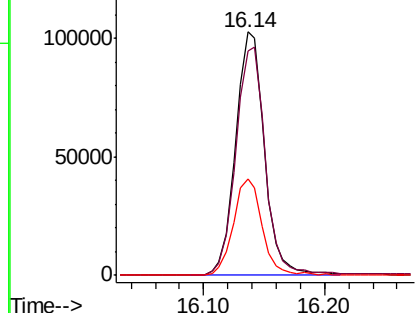
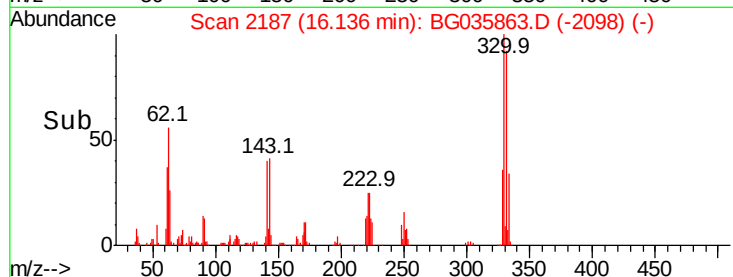
#41
 2,4,6-Tribromophenol
 Concen: 128.872 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: BG035863.D
 Acq: 25 Jul 2018 1:48

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion:330 Resp: 171810
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 39.5 25.2 37.8#

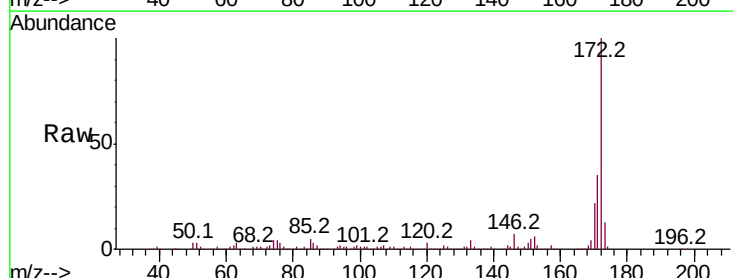


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

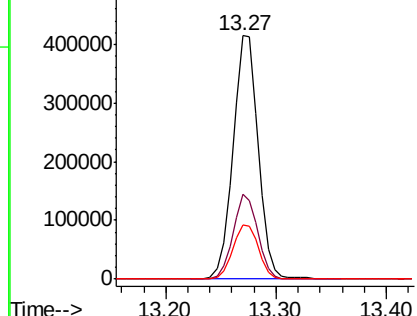
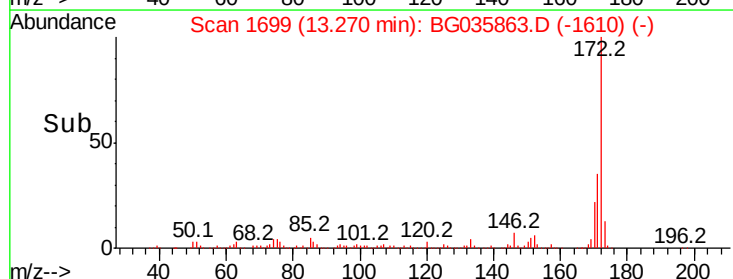


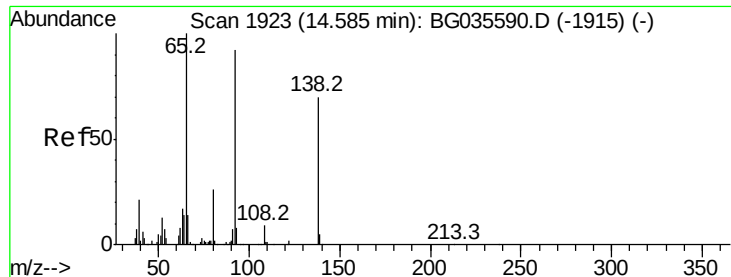
#44
 2-Fluorobiphenyl
 Concen: 88.076 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BG035863.D
 Acq: 25 Jul 2018 1:48

Tgt Ion:172 Resp: 664949
 Ion Ratio Lower Upper
 172 100
 171 34.8 30.0 45.0
 170 22.5 19.5 29.3



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

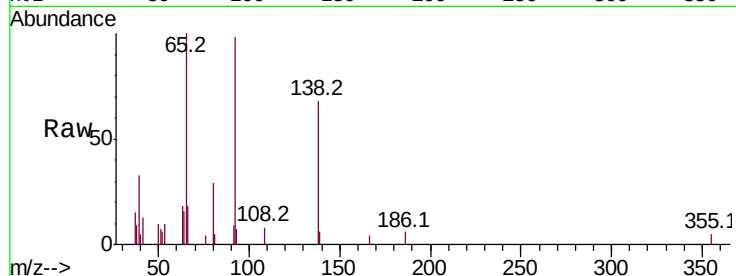




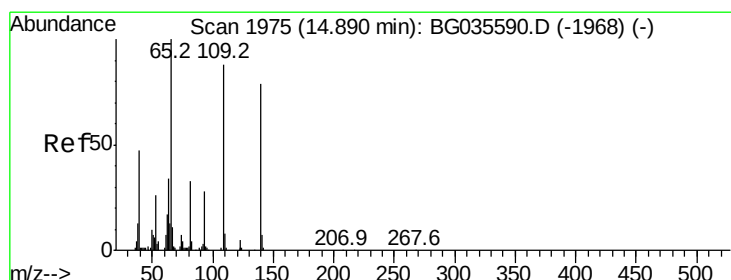
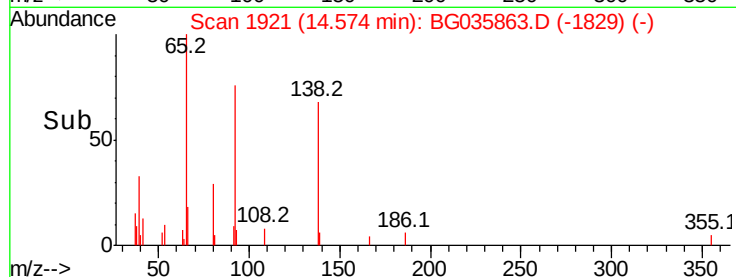
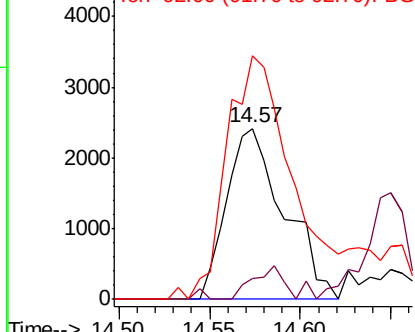
#52
3-Nitroaniline
Concen: 2.898 ng
RT: 14.57 min Scan# 1921
Delta R.T. 0.01 min
Lab File: BG035863.D
Acq: 25 Jul 2018 1:48

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion:138 Resp: 5346
Ion Ratio Lower Upper
138 100
108 12.1 17.5 26.3#
92 142.7 105.8 158.8

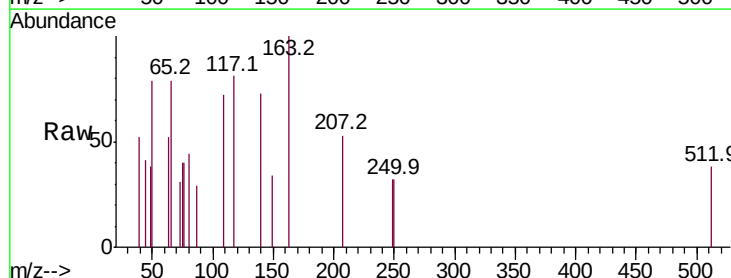


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

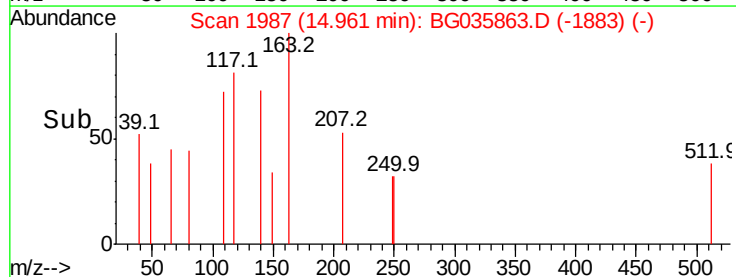
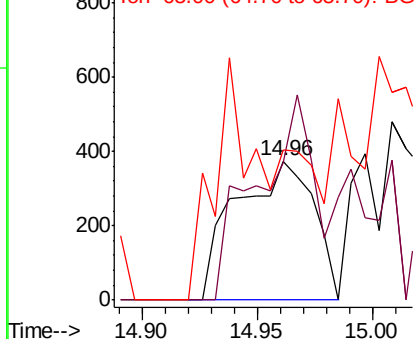


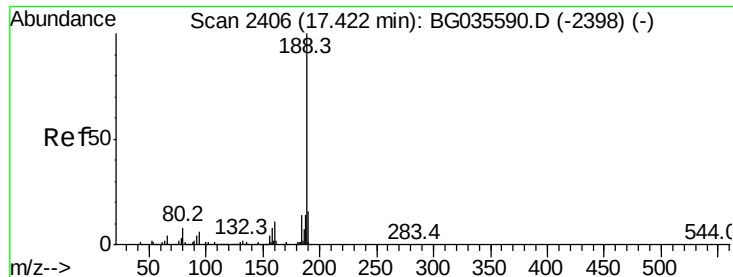
#55
4-Nitrophenol
Concen: 0.665 ng
RT: 14.96 min Scan# 1987
Delta R.T. 0.08 min
Lab File: BG035863.D
Acq: 25 Jul 2018 1:48

Tgt Ion:139 Resp: 874
Ion Ratio Lower Upper
139 100
109 99.2 62.2 102.2
65 107.8 97.2 137.2



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: 17.39 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

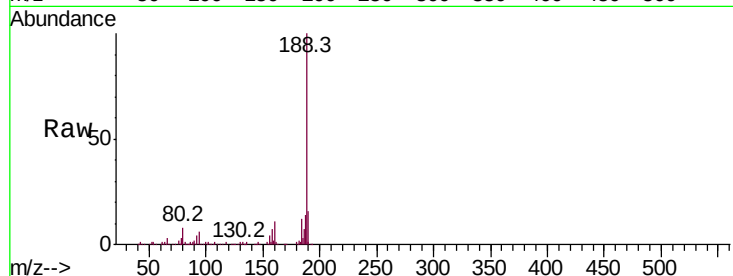
Tot Ion:188 Resp: 262723

Ion Ratio Lower Upper

188 100

94 5.6 6.9 10.3#

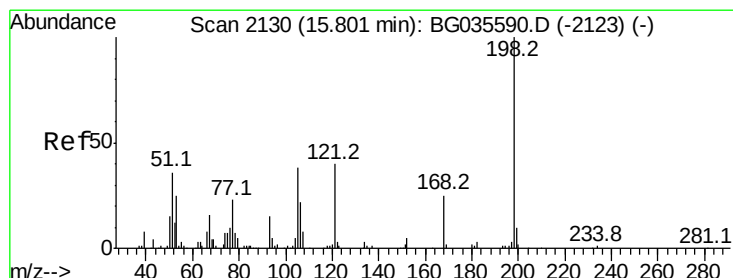
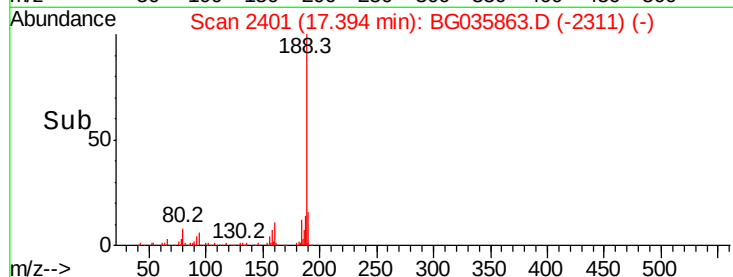
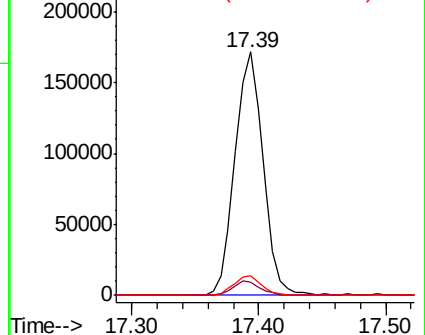
80 8.0 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#64

4,6-Dinitro-2-methylphenol

Concen: 1.117 ng

RT: 15.80 min Scan# 2129

Delta R.T. 0.02 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

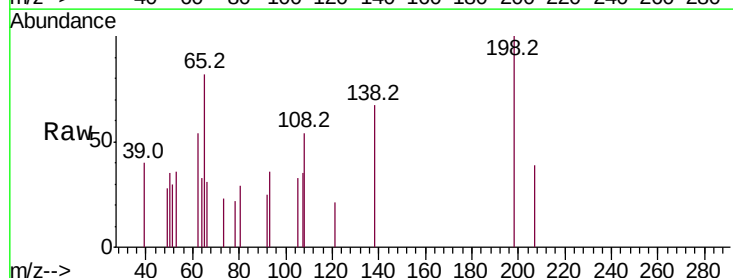
Tgt Ion:198 Resp: 1633

Ion Ratio Lower Upper

198 100

51 30.3 30.6 70.6#

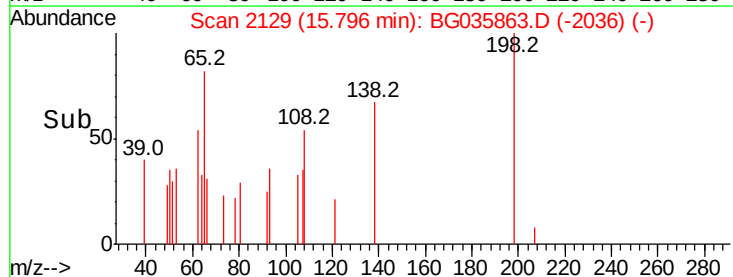
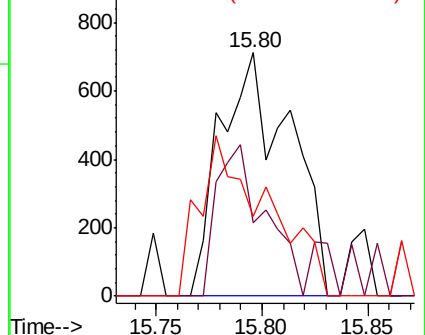
105 32.7 23.8 63.8

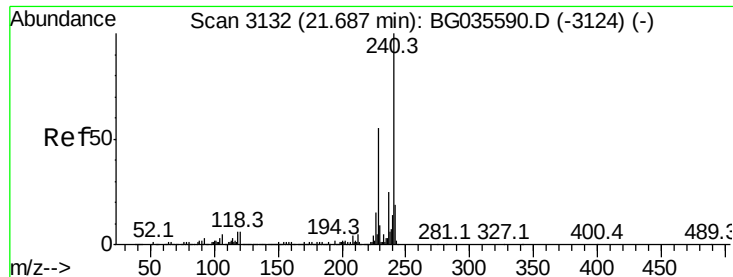


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.00 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

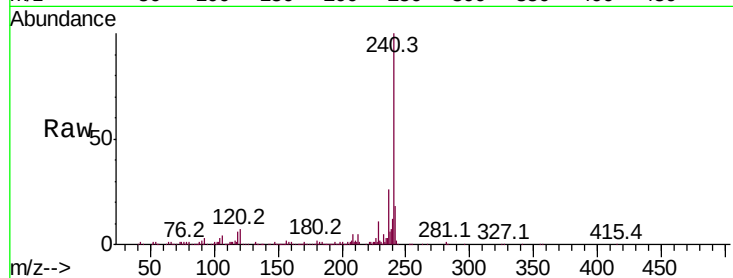
Tot Ion:240 Resp: 302181

Ion Ratio Lower Upper

240 100

120 7.5 6.8 10.2

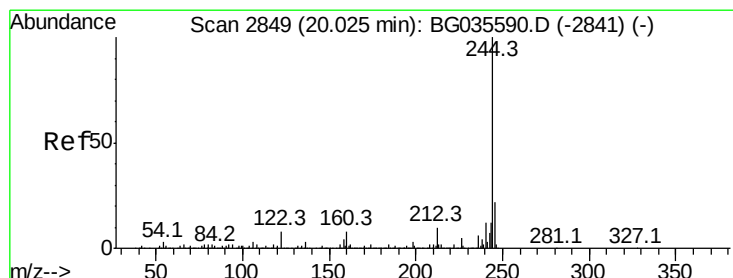
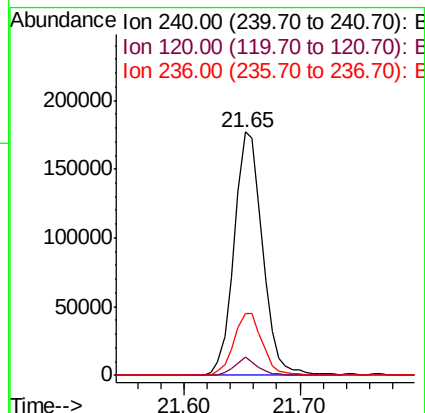
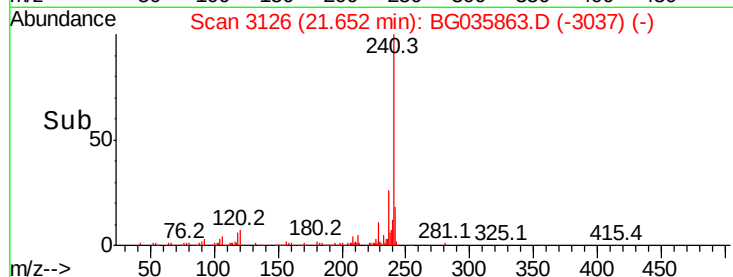
236 25.6 20.9 31.3



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: 100.211 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035863.D

Acq: 25 Jul 2018 1:48

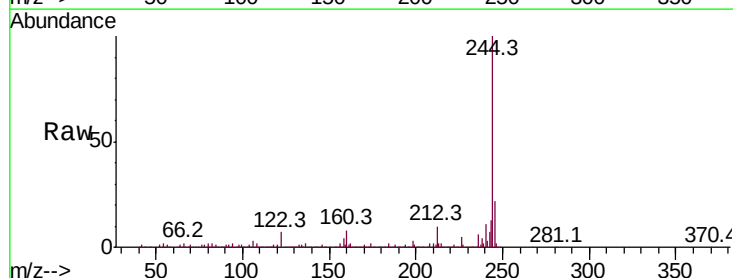
Tgt Ion:244 Resp: 1373758

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

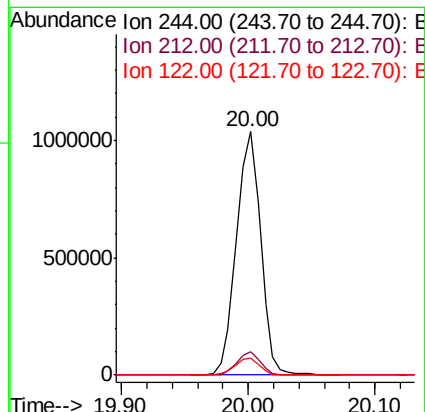
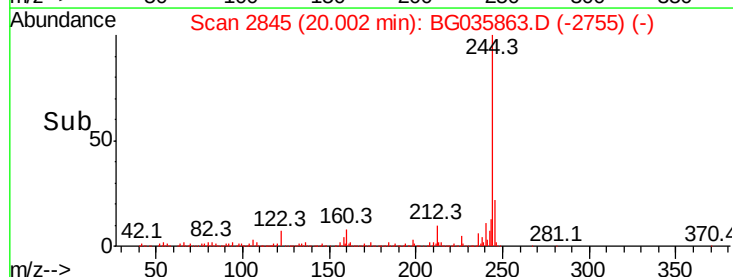
122 7.0 7.0 10.4

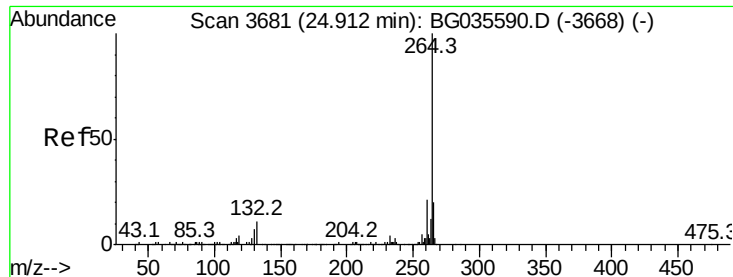


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3671
Delta R.T. -0.00 min
Lab File: BG035863.D
Acq: 25 Jul 2018 1:48

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	20.4	17.7	26.5

