

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037433.D
 Acq On : 18 Oct 2018 23:49
 Operator : JU/SJ
 Sample : J5164-07
 Misc : LOD 5 PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 19 08:39:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	49864	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	227748	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	152504	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	373009	20.00	ng	0.00
76) Chrysene-d12	21.77	240	353316	20.00	ng	0.00
87) Perylene-d12	25.11	264	350567	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	431912	144.81	ng	0.00
7) Phenol-d6	7.25	99	626463	138.91	ng	0.00
23) Nitrobenzene-d5	9.29	82	342674	84.29	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	238057	143.12	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	845749	83.63	ng	0.00
79) Terphenyl-d14	20.09	244	1306105	78.99	ng	0.00

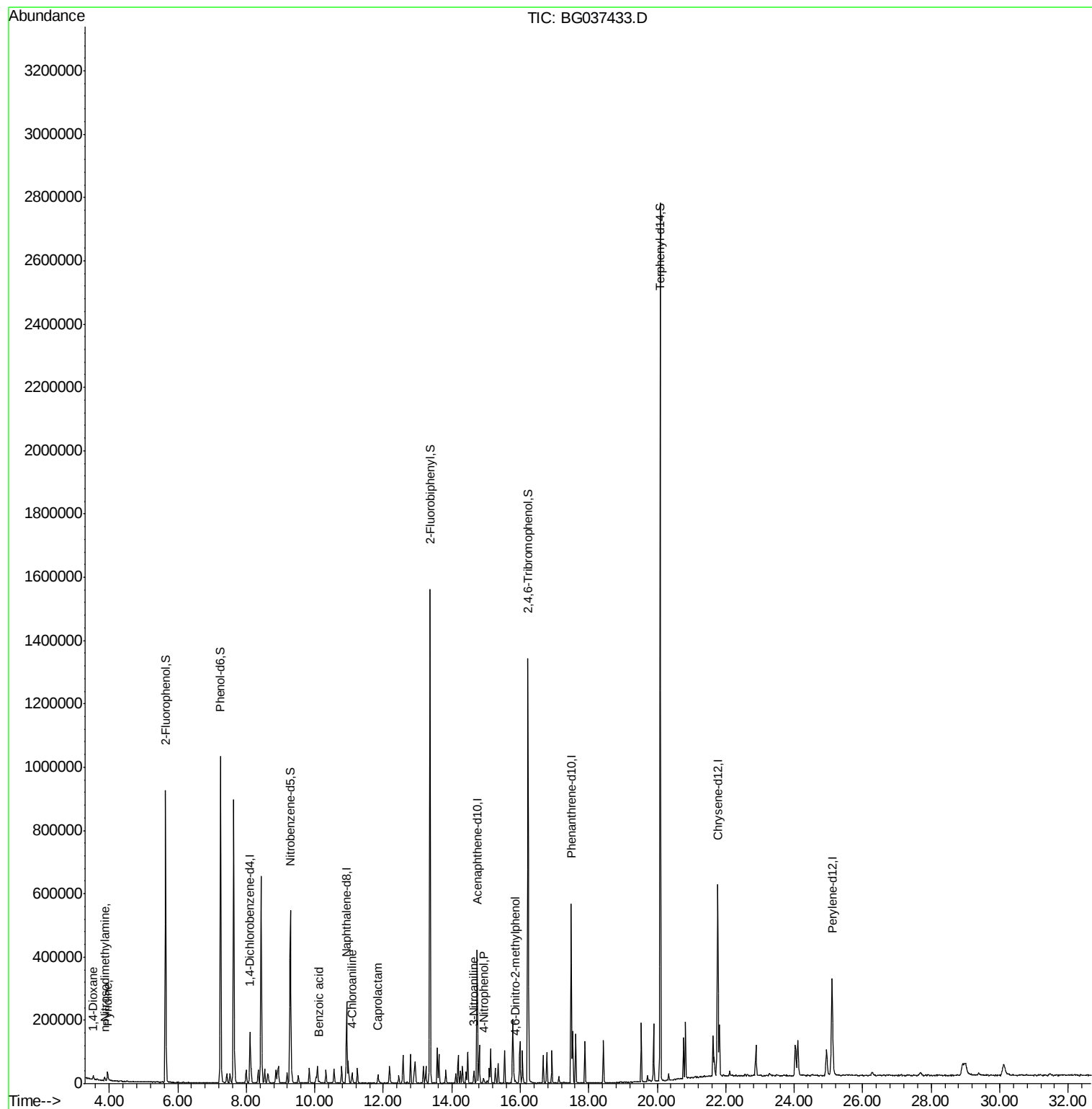
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.53	88	8042	5.317	ng	90
3) Pyridine	3.95	79	19917	5.224	ng	94
4) n-Nitrosodimethylamine	3.87	42	7141	5.259	ng	# 82
32) Benzoic acid	10.13	122	2009	0.910	ng	# 76
33) 4-Chloroaniline	11.09	127	18470	3.514	ng	# 95
35) Caprolactam	11.85	113	5952	3.924	ng	91
53) 3-Nitroaniline	14.65	138	10518	3.630	ng	98
56) 4-Nitrophenol	14.93	139	6540	3.049	ng	88
65) 4,6-Dinitro-2-methylphenol	15.85	198	2432	9.530	ng	90

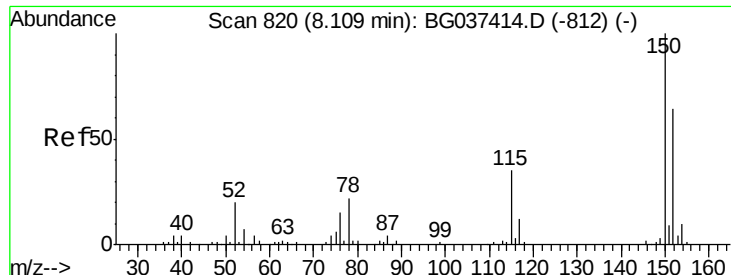
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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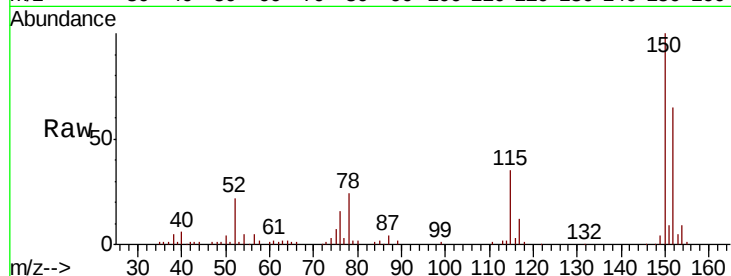


#1

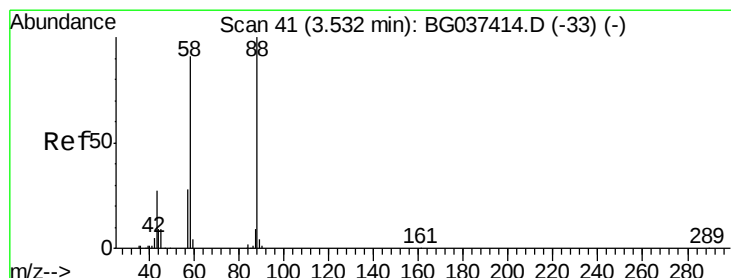
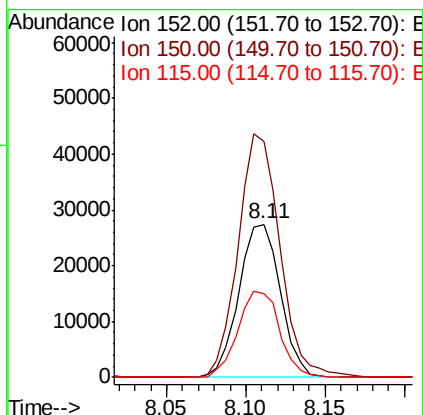
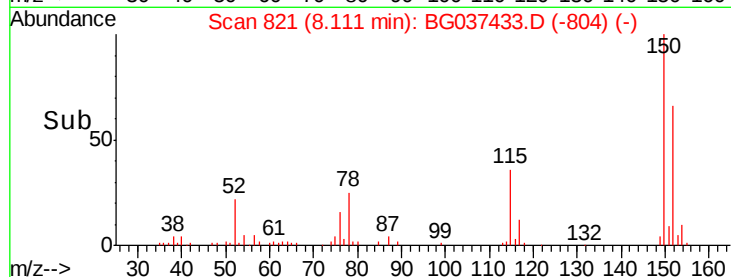
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. 0.00 min
Lab File: BG037433.D
Acq: 18 Oct 2018 23:49

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tot Ion:152 Resp: 49864
Ion Ratio Lower Upper
152 100
150 153.9 126.0 189.0
115 54.3 45.5 68.3



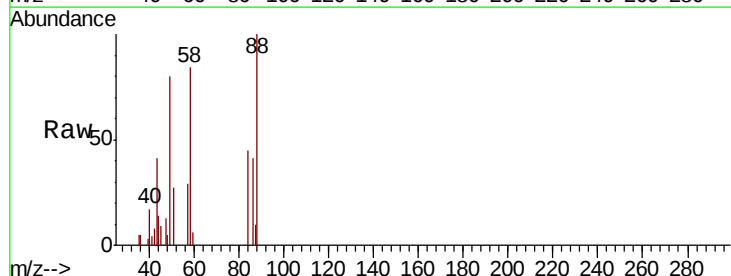
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



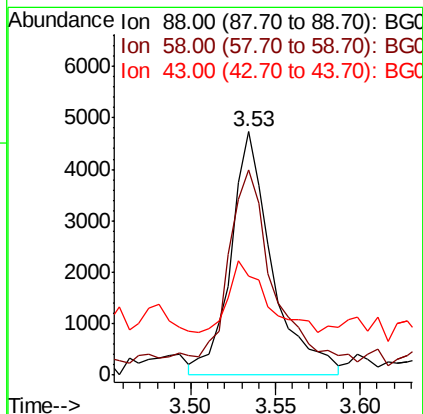
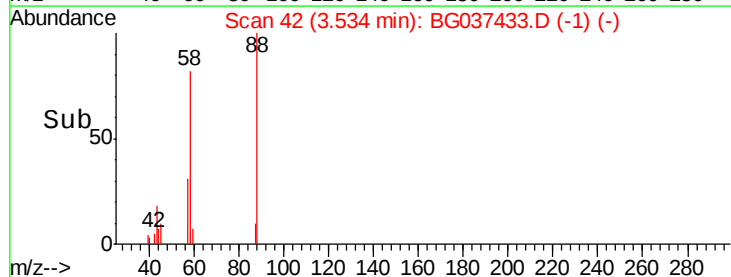
#2

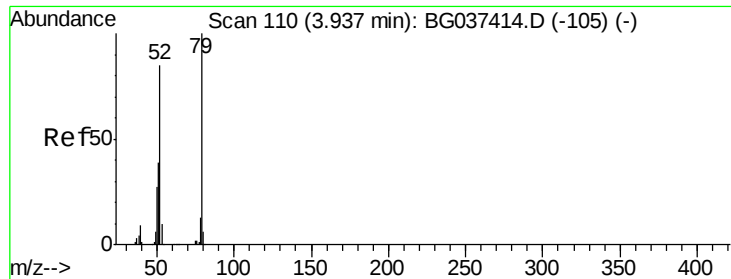
1,4-Dioxane
Concen: 5.317 ng
RT: 3.53 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037433.D
Acq: 18 Oct 2018 23:49

Tgt Ion: 88 Resp: 8042
Ion Ratio Lower Upper
88 100
58 82.5 74.4 111.6
43 28.6 25.8 38.8



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: 5.224 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

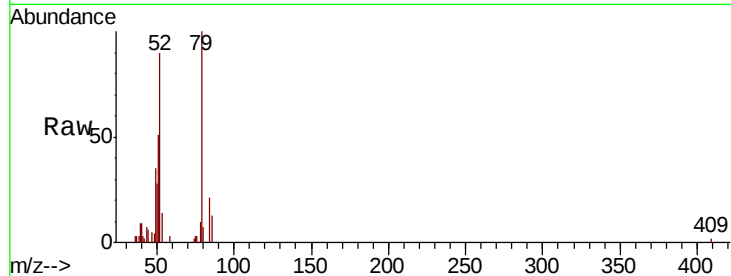
Tot Ion: 79 Resp: 19917

Ion Ratio Lower Upper

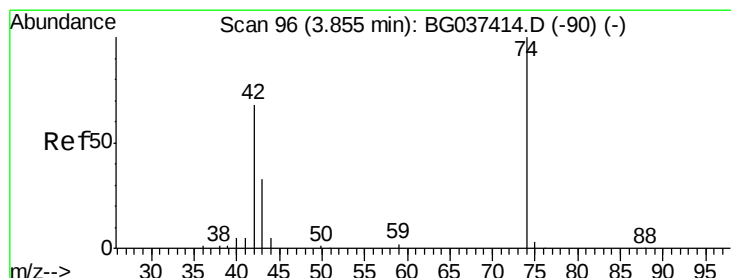
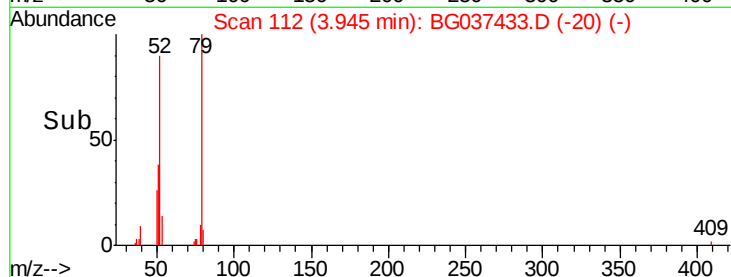
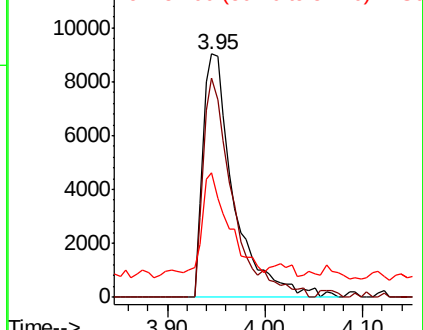
79 100

52 90.2 74.2 111.2

51 51.3 34.6 51.8



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: 5.259 ng

RT: 3.87 min Scan# 99

Delta R.T. 0.01 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

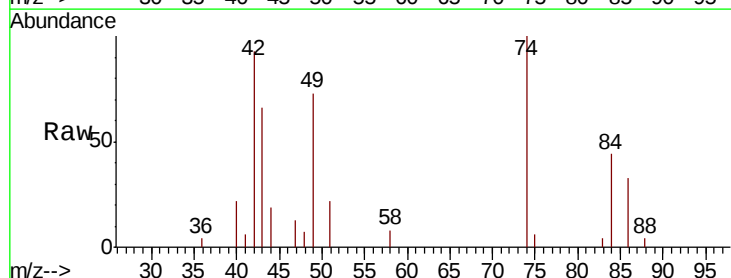
Tgt Ion: 42 Resp: 7141

Ion Ratio Lower Upper

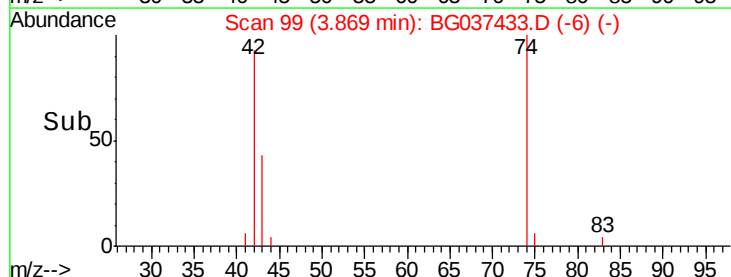
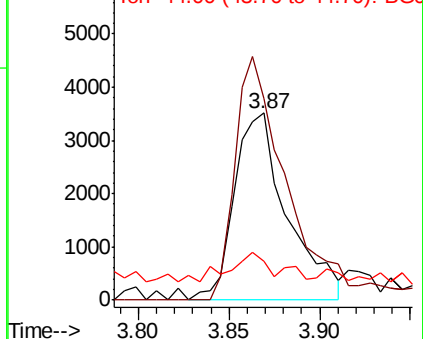
42 100

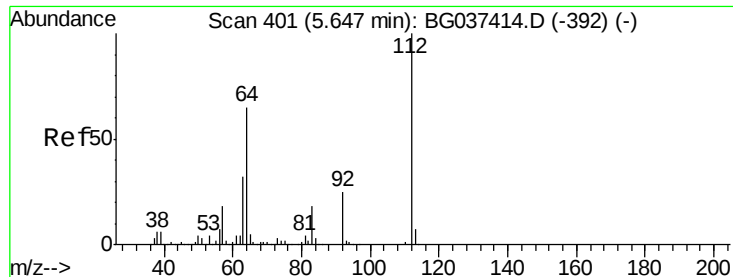
74 107.8 102.0 153.0

44 21.0 9.6 14.4#



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: 144.813 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

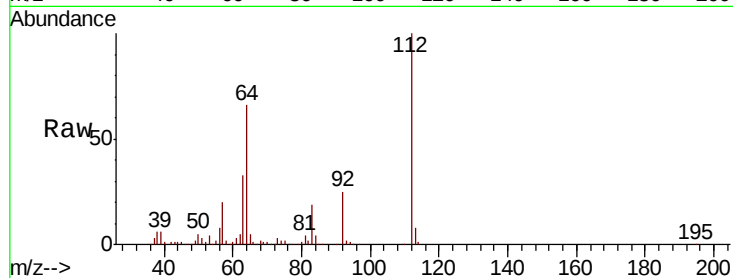
Tot Ion:112 Resp: 431912

Ion Ratio Lower Upper

112 100

64 66.1 53.1 79.7

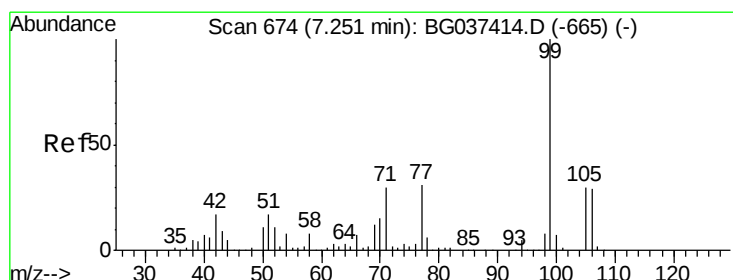
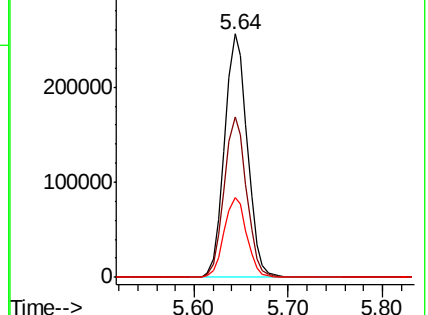
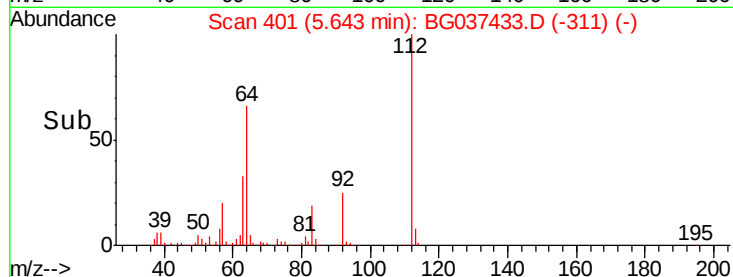
63 32.5 27.3 40.9



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: 138.905 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

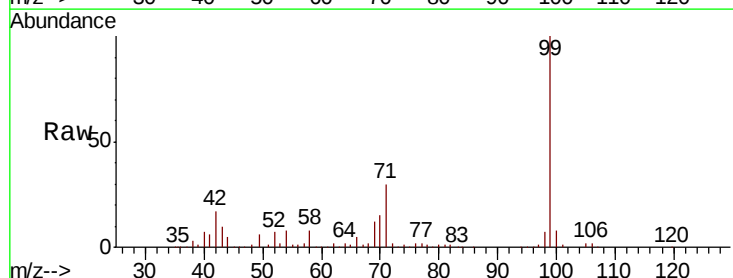
Tgt Ion: 99 Resp: 626463

Ion Ratio Lower Upper

99 100

42 17.5 15.0 22.4

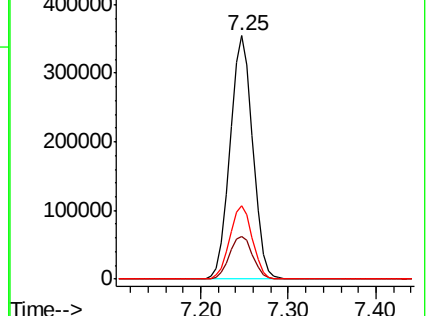
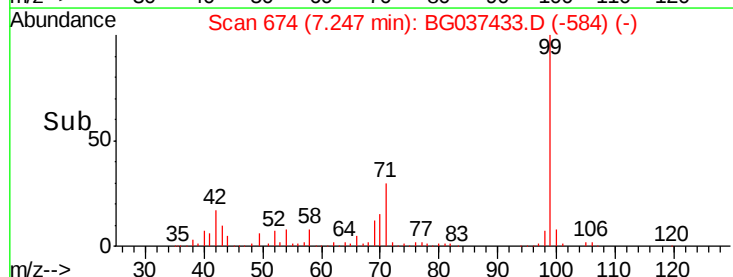
71 30.3 25.5 38.3

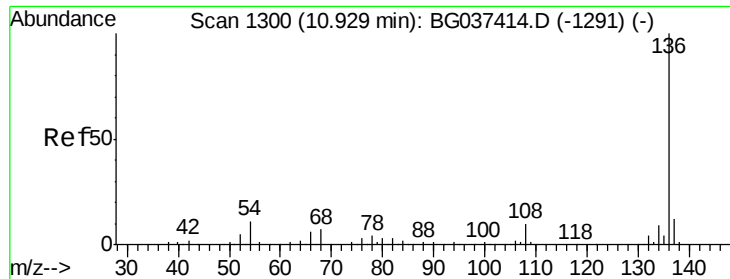


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

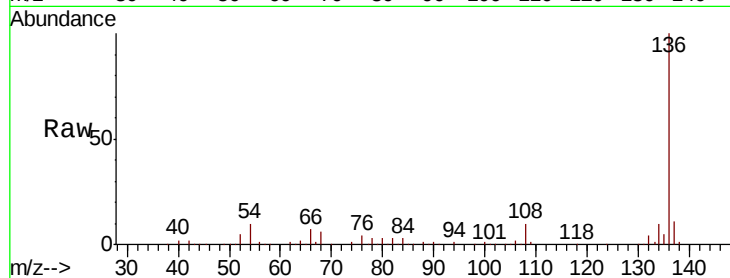




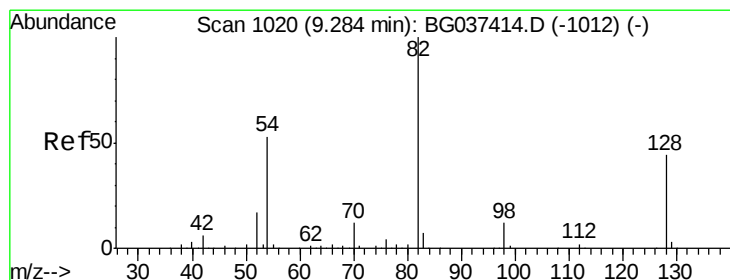
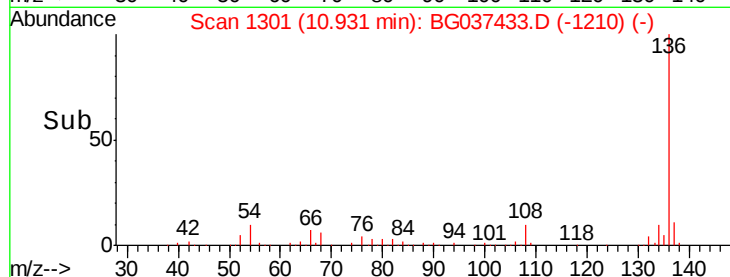
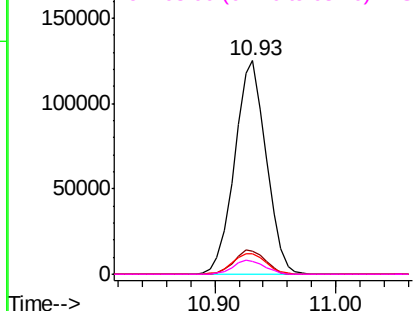
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG037433.D
Acq: 18 Oct 2018 23:49

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tot Ion:136	Resp:	227748
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.6	14.4
54 9.8	7.9	11.9
68 6.0	4.8	7.2

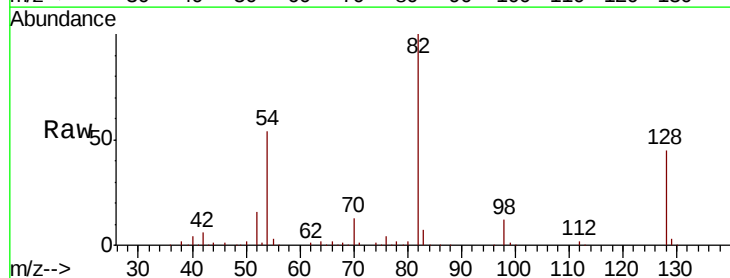


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

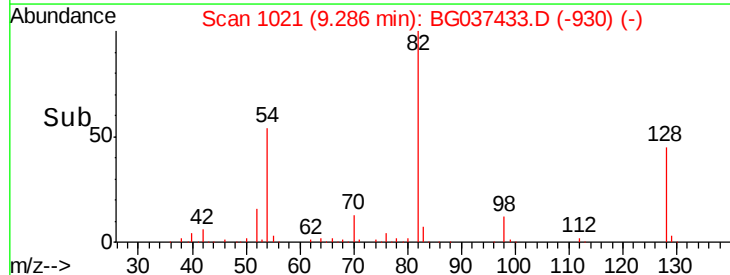
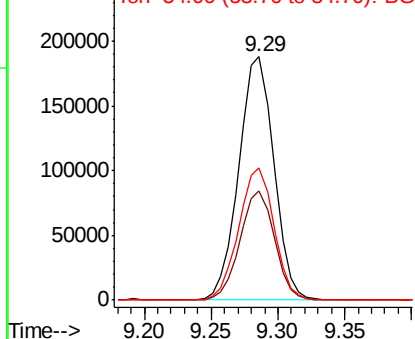


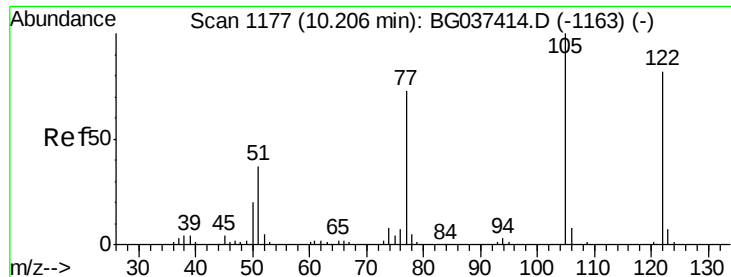
#23
Nitrobenzene-d5
Concen: 84.287 ng
RT: 9.29 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG037433.D
Acq: 18 Oct 2018 23:49

Tgt Ion: 82	Resp: 342674
Ion Ratio	Lower Upper
82 100	
128 44.8	34.6 51.8
54 54.1	45.3 67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 0.910 ng

RT: 10.13 min Scan# 1164

Delta R.T. -0.08 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

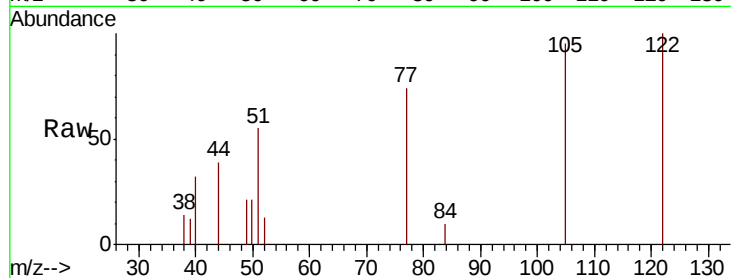
Tot Ion:122 Resp: 2009

Ion Ratio Lower Upper

122 100

105 95.2 106.7 146.7#

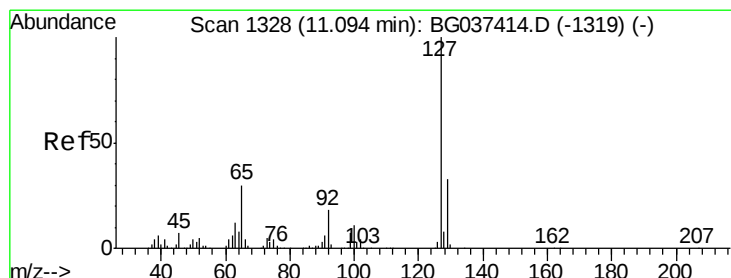
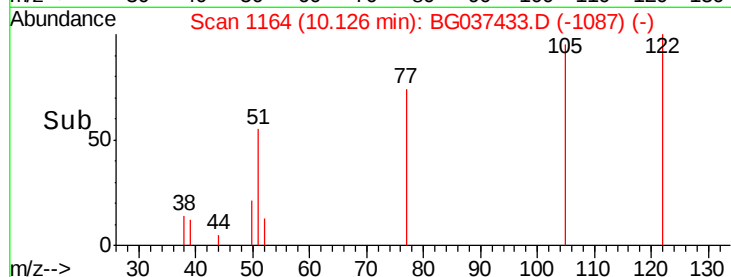
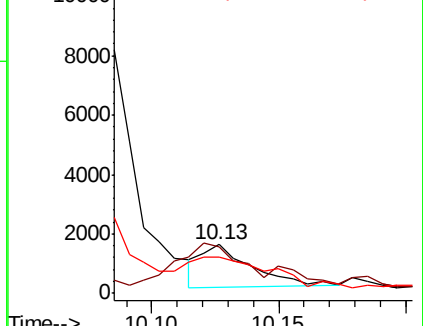
77 73.7 72.2 112.2



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: 3.514 ng

RT: 11.09 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

Tgt Ion:127 Resp: 18470

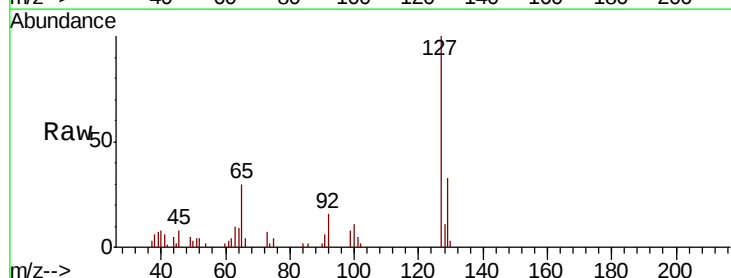
Ion Ratio Lower Upper

127 100

129 33.2 27.1 40.7

65 29.9 26.6 39.8

92 15.6 16.4 24.6#

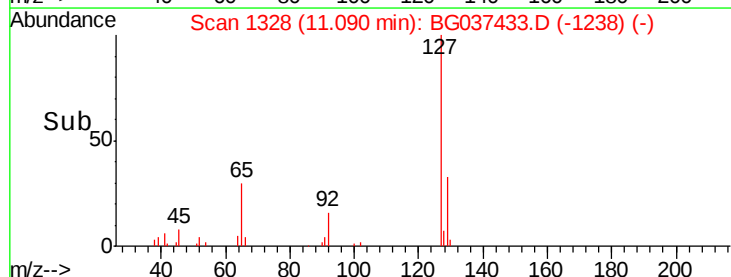
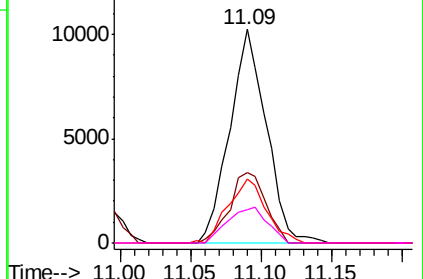


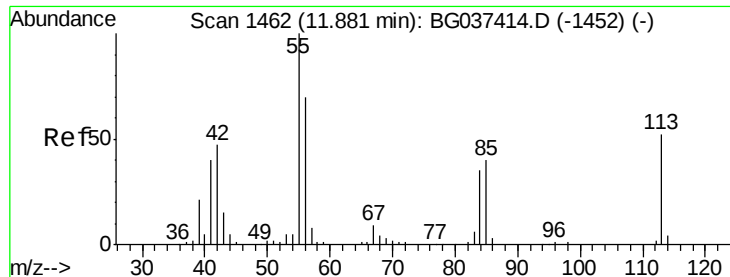
Abundance Ion 127.00 (126.70 to 127.70): E

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: 3.924 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.03 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

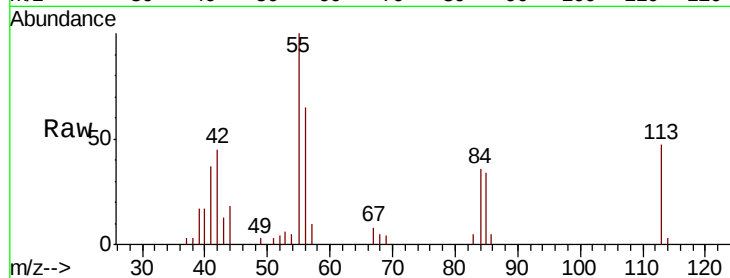
Tot Ion:113 Resp: 5952

Ion Ratio Lower Upper

113 100

55 211.8 176.6 216.6

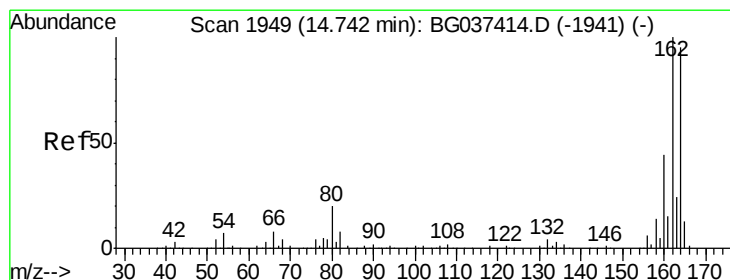
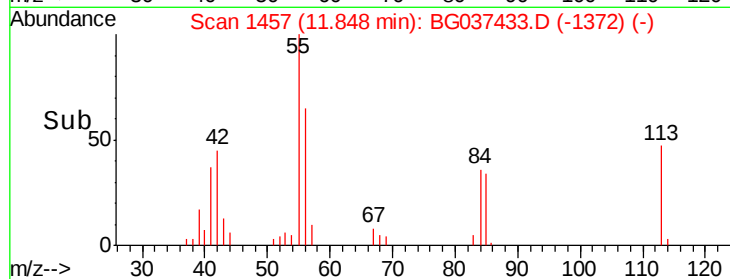
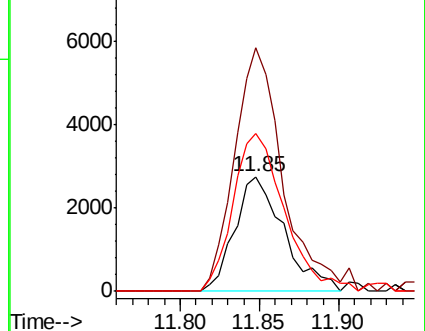
56 137.8 128.3 168.3



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

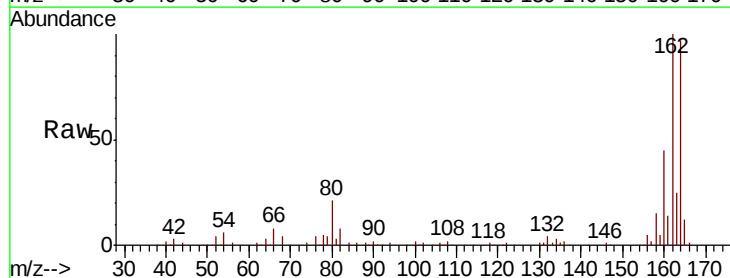
Tgt Ion:164 Resp: 152504

Ion Ratio Lower Upper

164 100

162 102.7 81.3 121.9

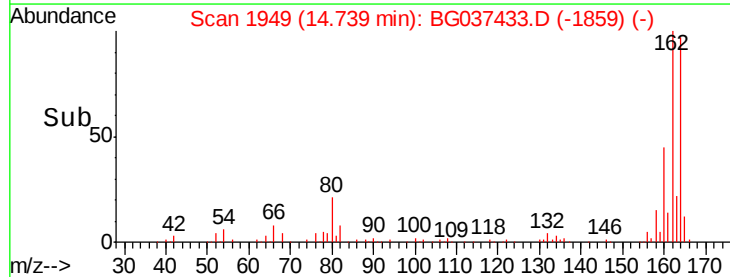
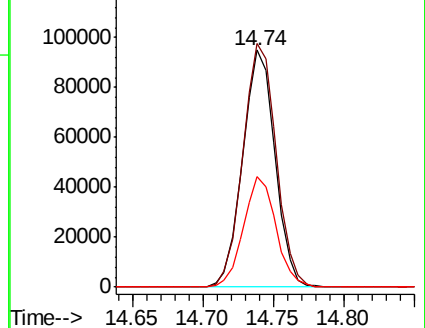
160 46.7 36.3 54.5

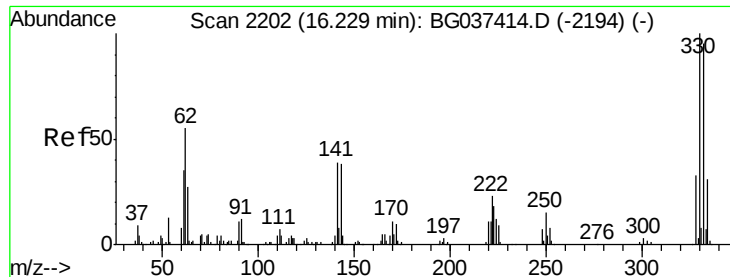


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

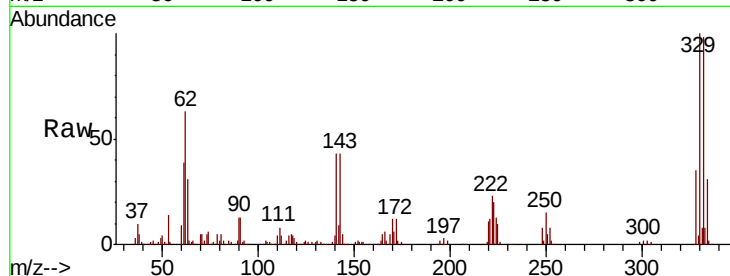




#42
 2,4,6-Tribromophenol
 Concen: 143.119 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG037433.D
 Acq: 18 Oct 2018 23:49

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.4	117.6
141	40.2	32.2	48.2

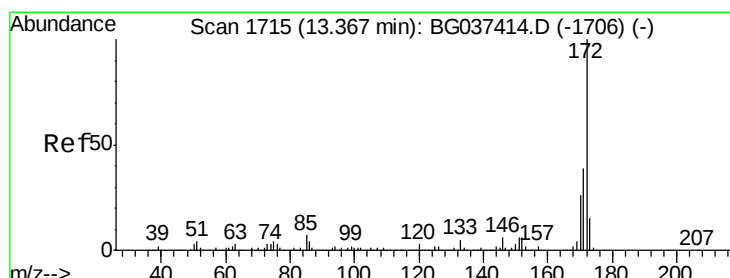
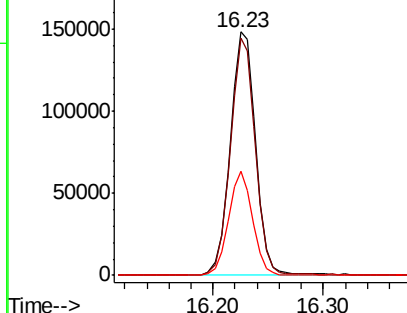
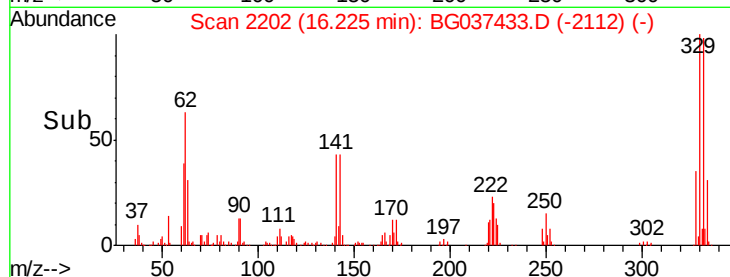


Abundance

Ion 329.80 (329.50 to 330.50): E

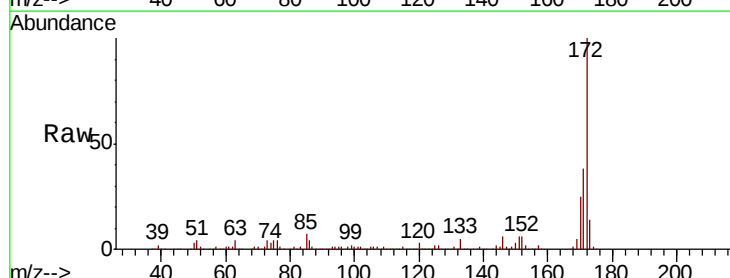
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 83.627 ng
 RT: 13.36 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: BG037433.D
 Acq: 18 Oct 2018 23:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.0	46.4
170	24.6	20.2	30.2

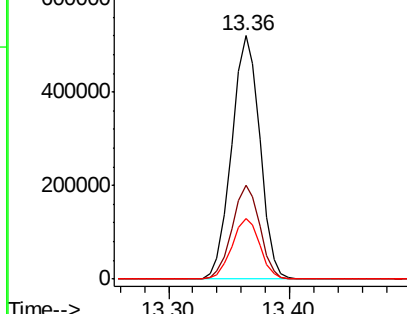
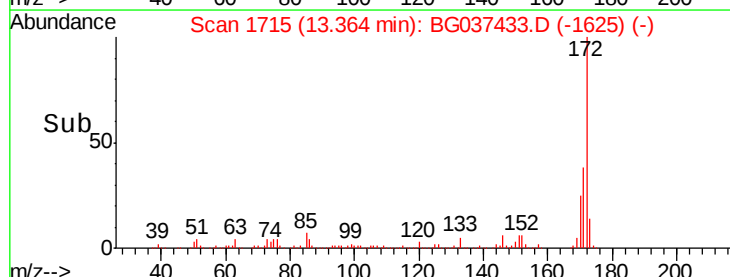


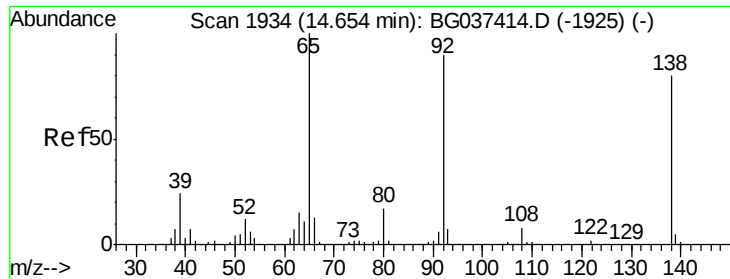
Abundance

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





#53

3-Nitroaniline

Concen: 3.630 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

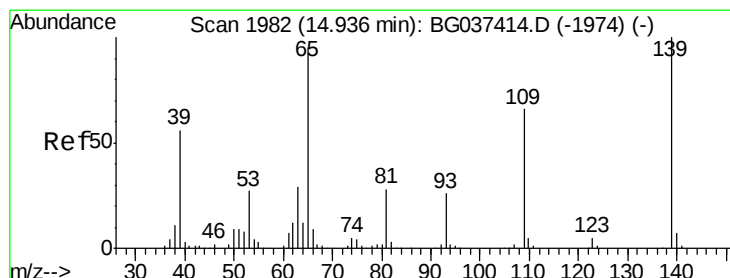
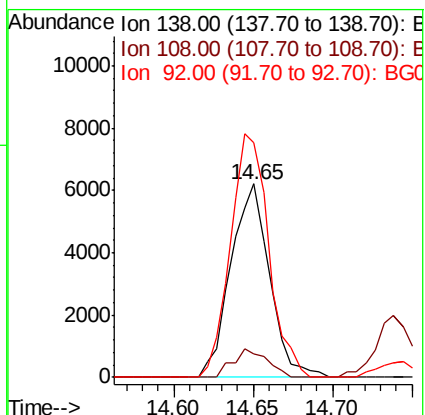
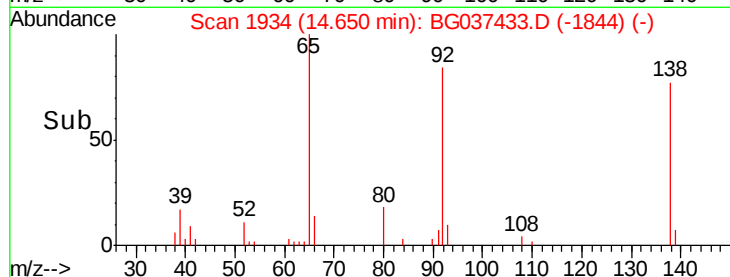
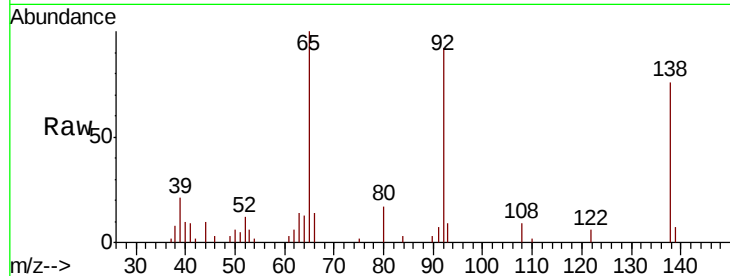
Tot Ion:138 Resp: 10518

Ion Ratio Lower Upper

138 100

108 12.1 11.0 16.6

92 121.3 95.2 142.8



#56

4-Nitrophenol

Concen: 3.049 ng

RT: 14.93 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

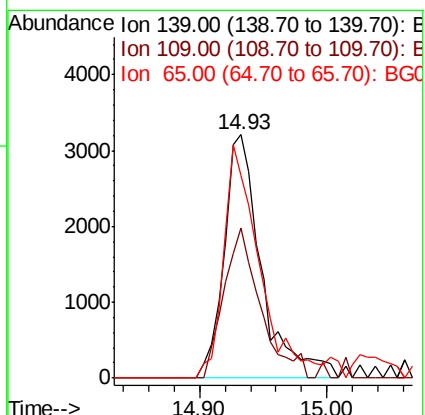
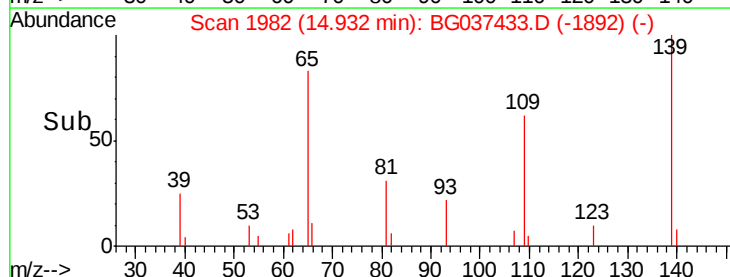
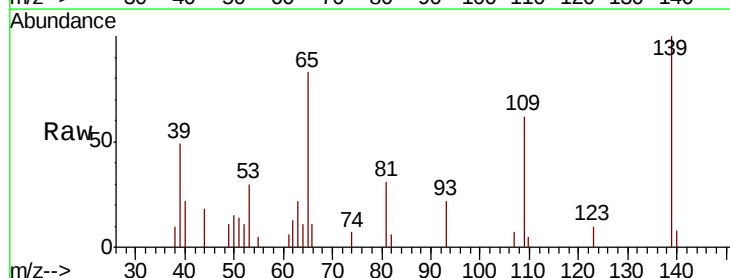
Tgt Ion:139 Resp: 6540

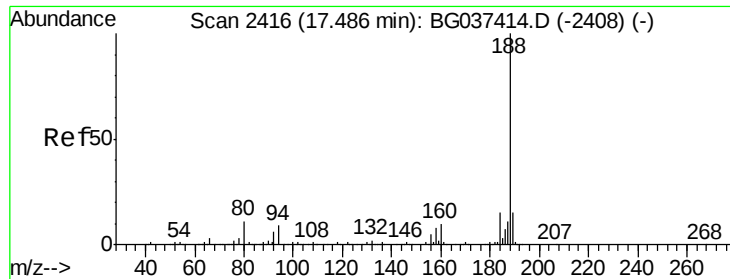
Ion Ratio Lower Upper

139 100

109 61.6 49.5 89.5

65 83.5 76.8 116.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

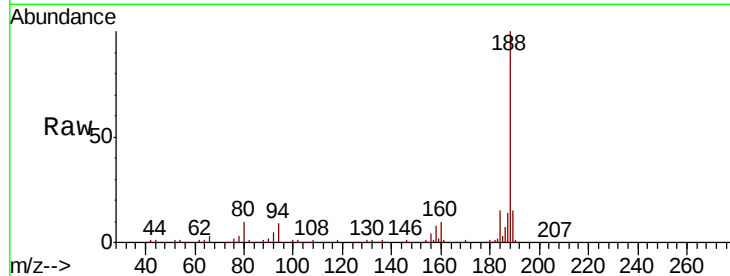
Tot Ion:188 Resp: 373009

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

80 9.7 7.7 11.5

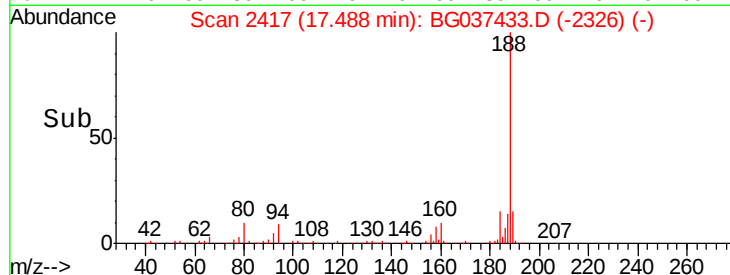


Abundance Ion 188.00 (187.70 to 188.70): E

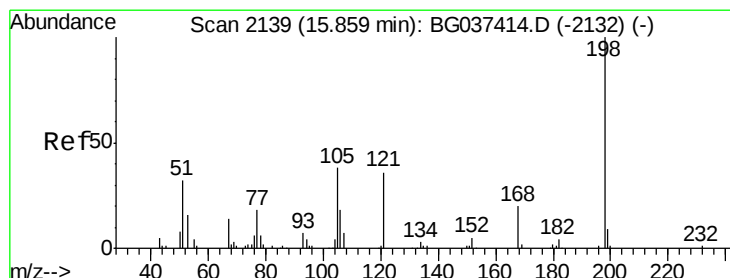
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 9.530 ng

RT: 15.85 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BG037433.D

Acq: 18 Oct 2018 23:49

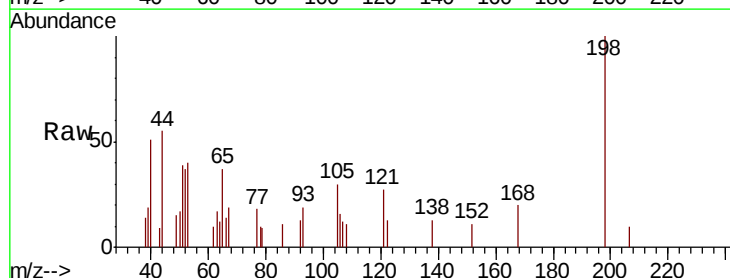
Tgt Ion:198 Resp: 2432

Ion Ratio Lower Upper

198 100

51 39.5 22.7 62.7

105 29.9 19.7 59.7

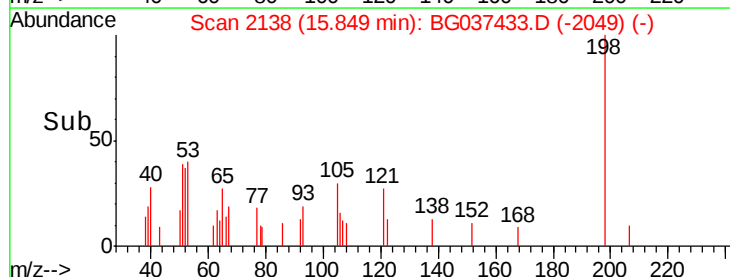


Abundance Ion 198.00 (197.70 to 198.70): E

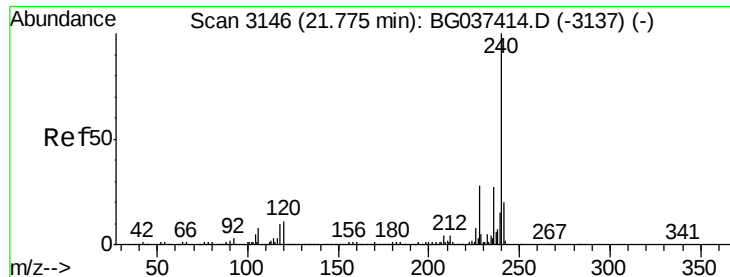
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time-->



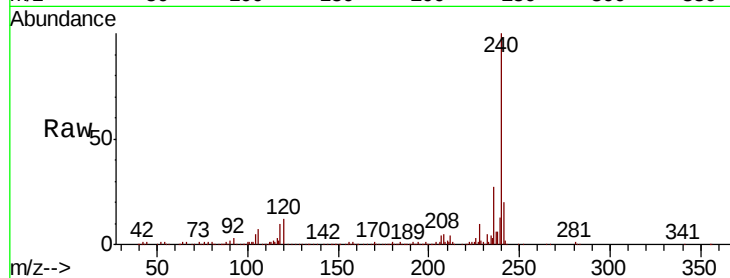
Time-->



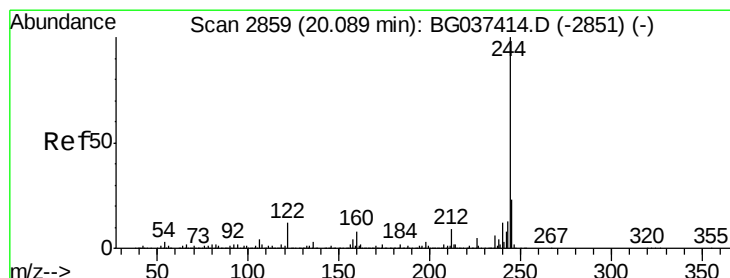
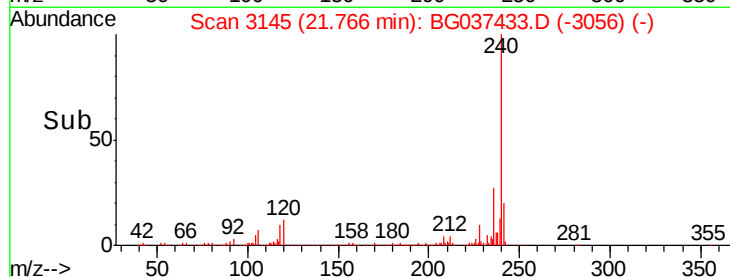
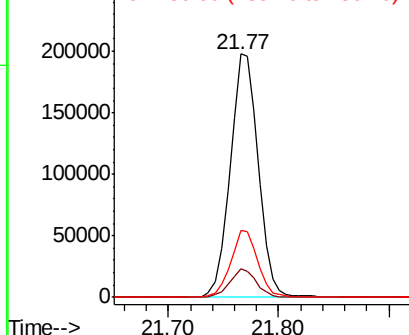
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037433.D
 Acq: 18 Oct 2018 23:49

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tot Ion:240 Resp: 353316
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.1 12.1
 236 27.4 21.4 32.0

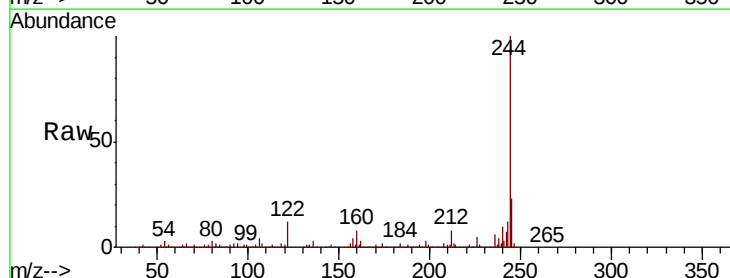


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

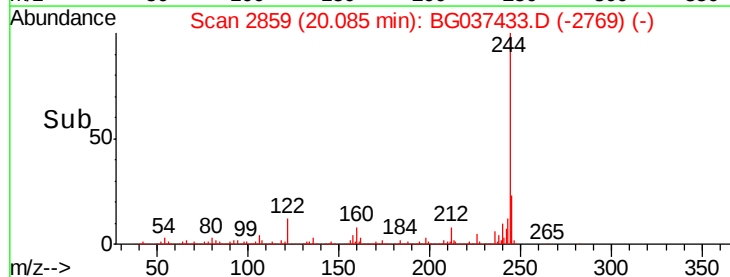
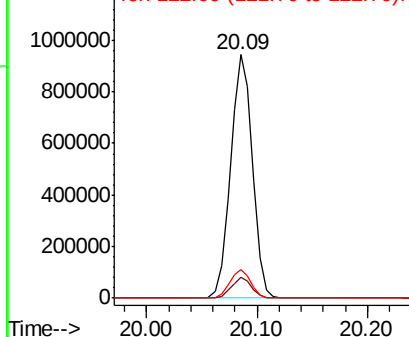


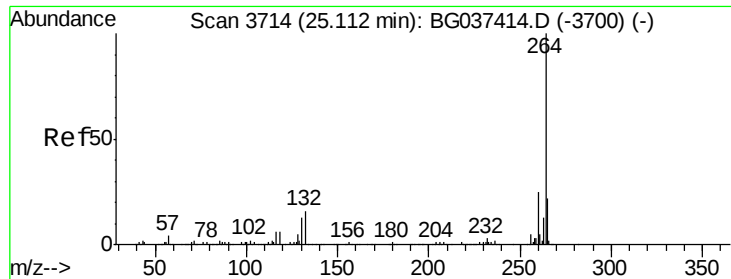
#79
 Terphenyl-d14
 Concen: 78.990 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037433.D
 Acq: 18 Oct 2018 23:49

Tgt Ion:244 Resp: 1306105
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 11.6 9.0 13.4



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





#87
Pervlone-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3714
Delta R.T. -0.00 min
Lab File: BG037433.D
Acq: 18 Oct 2018 23:49

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	20.1	17.9	26.9

