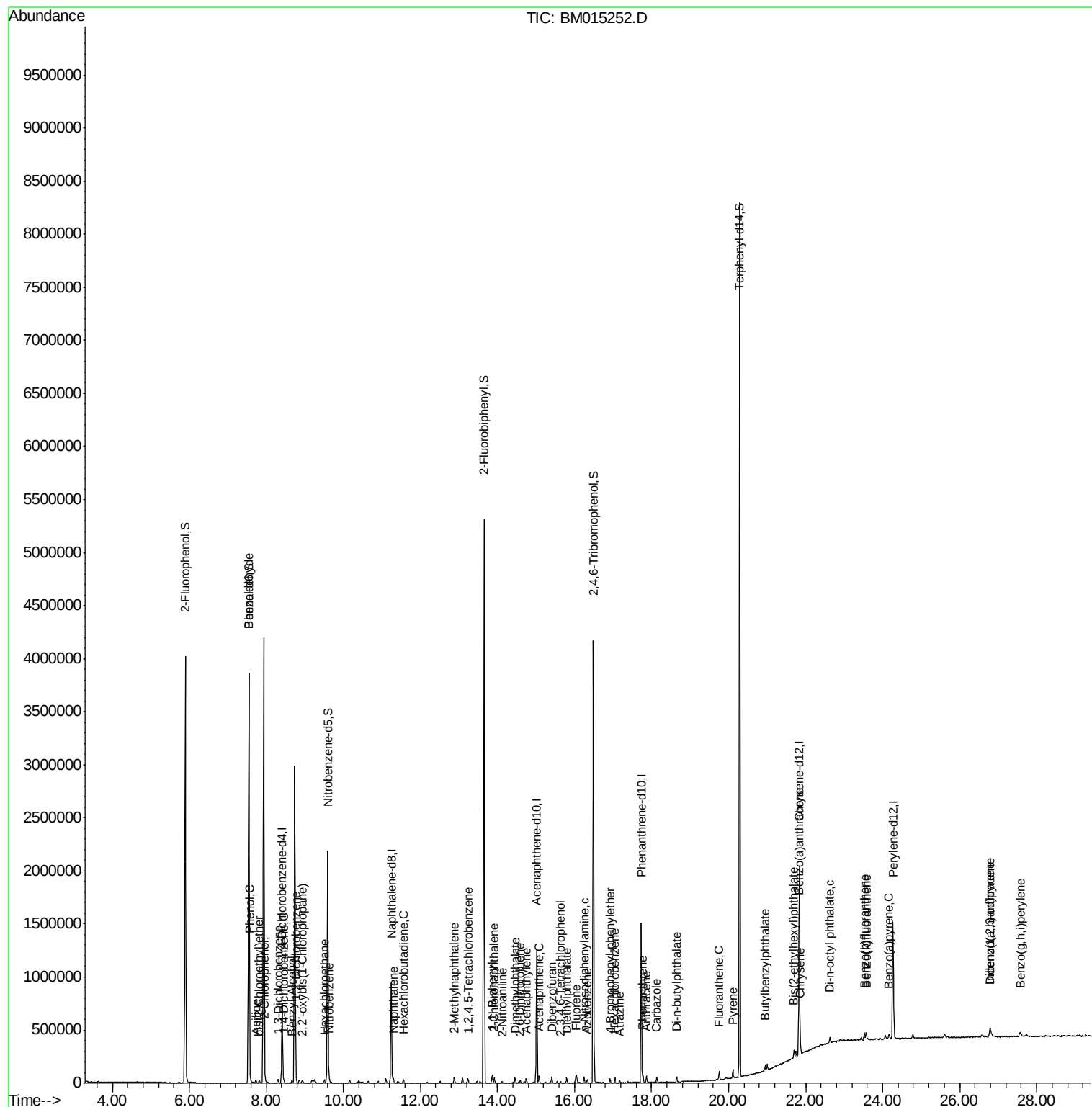
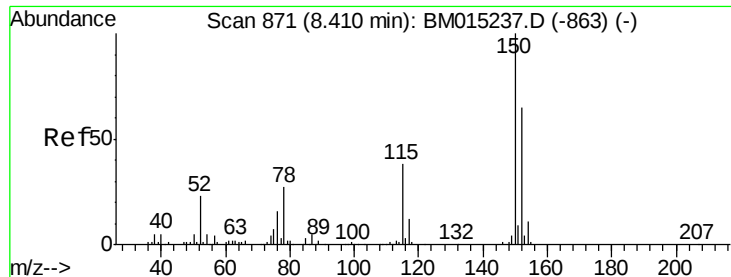


Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
Data File : BM015252.D
Acq On : 22 May 2018 22:26
Operator : SJ/JU
Sample : J2133-07
Misc : LOD 1 PPM
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Quant Time: May 23 14:24:52 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 22 15:47:28 2018
Response via : Initial Calibration



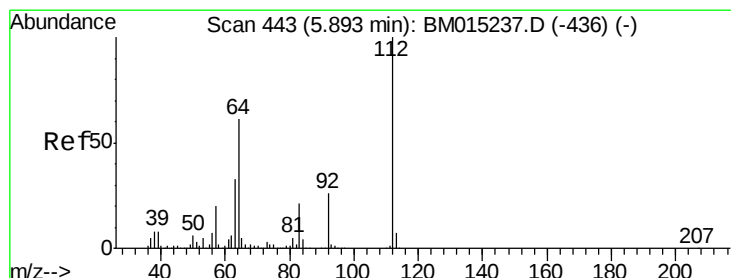
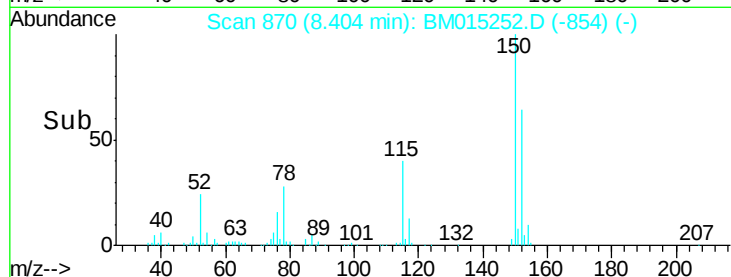
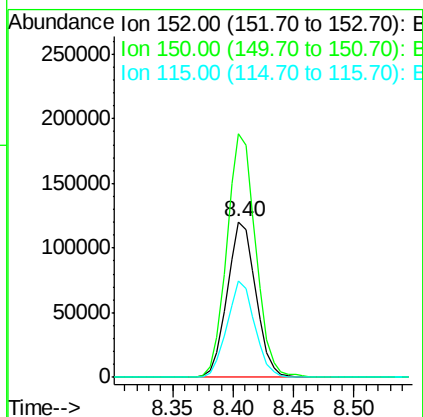
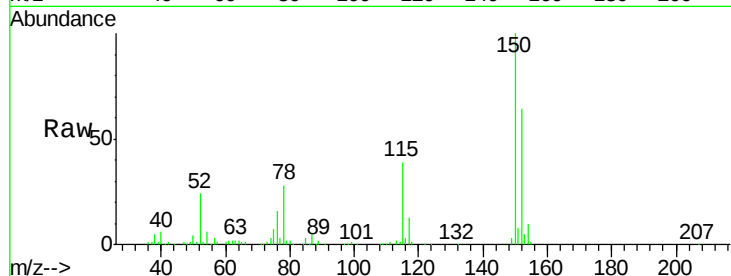


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.40 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

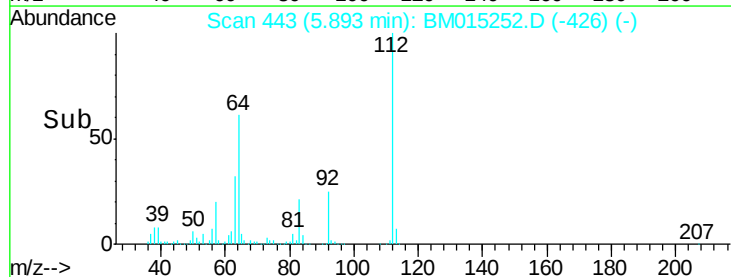
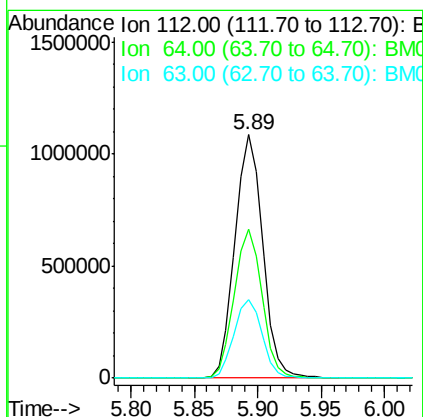
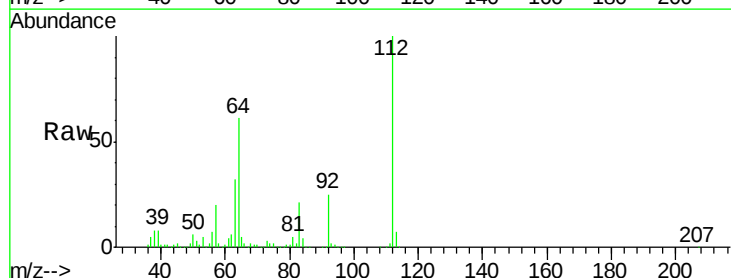
Tgt Ion:152 Resp: 198652
Ion Ratio Lower Upper
152 100
150 156.5 119.5 179.3
115 61.8 43.0 64.4

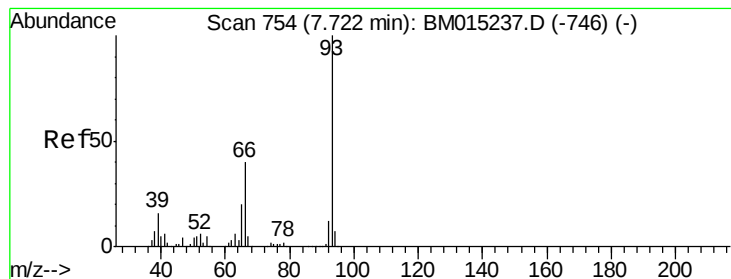


#5

2-Fluorophenol
Concen: 136.061 ng
RT: 5.89 min Scan# 443
Delta R.T. 0.00 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

Tgt Ion:112 Resp: 1652052
Ion Ratio Lower Upper
112 100
64 61.0 38.6 57.8#
63 32.4 19.3 28.9#





#6

Aniline

Concen: 0.827 ng

RT: 7.73 min Scan# 755

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

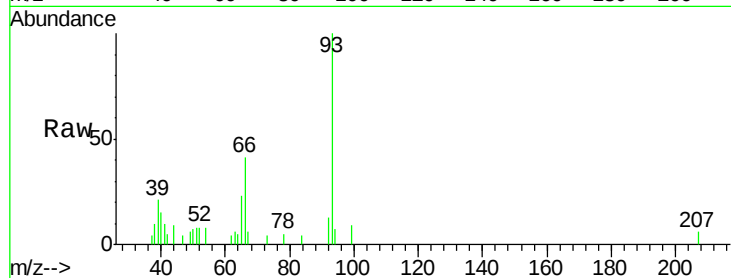
Tgt Ion: 93 Resp: 16116

Ion Ratio Lower Upper

93 100

66 40.5 30.8 46.2

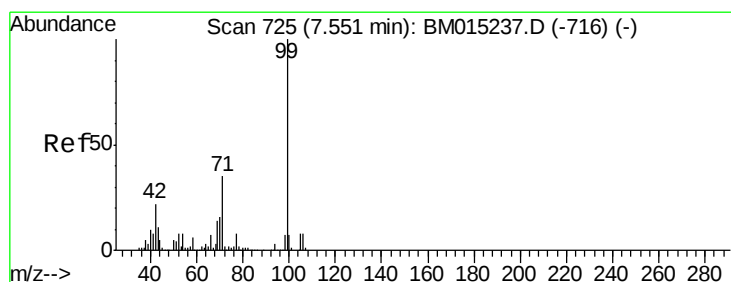
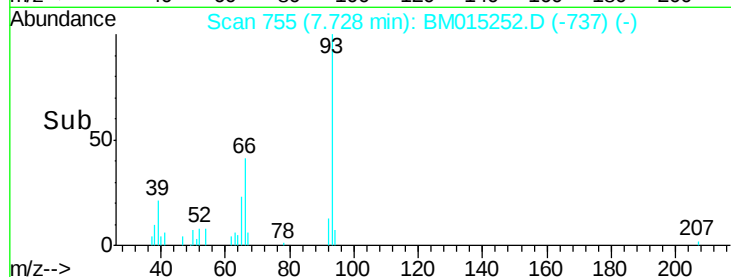
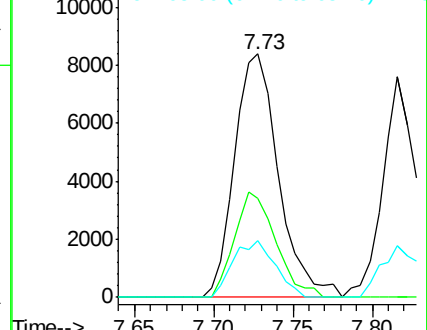
65 23.1 16.0 24.0



Abundance Ion 93.00 (92.70 to 93.70): BM015237.D (-746) (-)

Ion 66.00 (65.70 to 66.70): BM015237.D (-746) (-)

Ion 65.00 (64.70 to 65.70): BM015237.D (-746) (-)



#7

Phenol-d6

Concen: 132.297 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

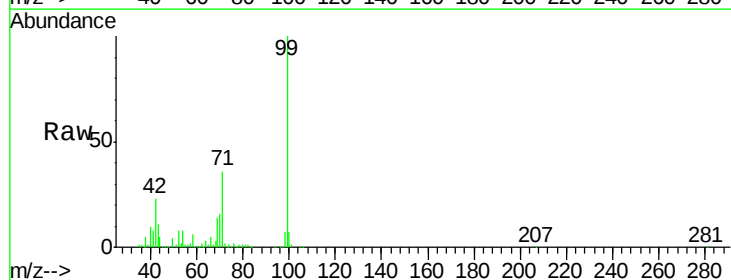
Tgt Ion: 99 Resp: 2091775

Ion Ratio Lower Upper

99 100

42 22.6 11.0 16.4#

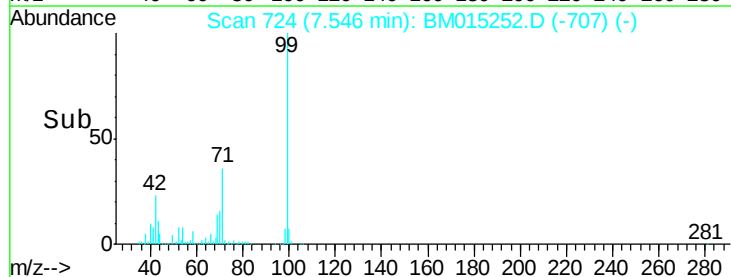
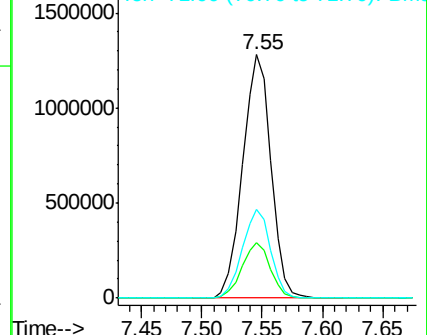
71 36.3 23.4 35.2#

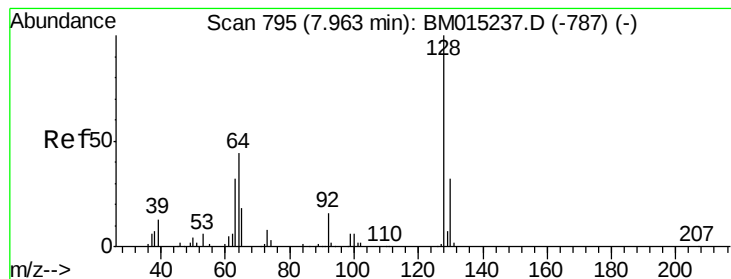


Abundance Ion 99.00 (98.70 to 99.70): BM015237.D (-716) (-)

Ion 42.00 (41.70 to 42.70): BM015237.D (-716) (-)

Ion 71.00 (70.70 to 71.70): BM015237.D (-716) (-)





#8

2-Chlorophenol

Concen: 0.965 ng

RT: 7.96 min Scan# 795

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

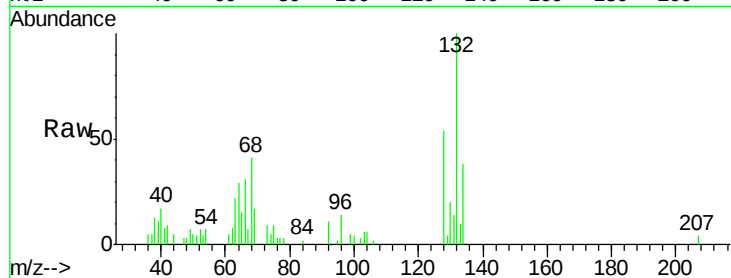
Tgt Ion:128 Resp: 13219

Ion Ratio Lower Upper

128 100

130 36.3 12.0 52.0

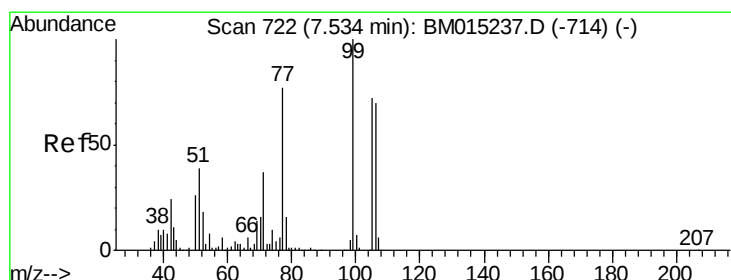
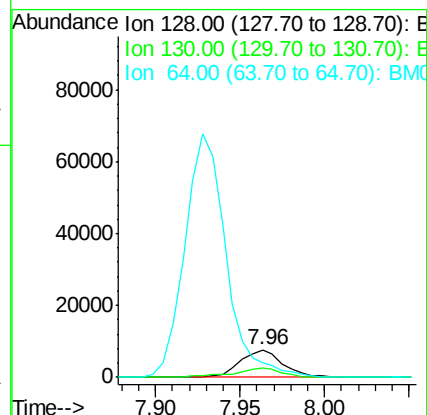
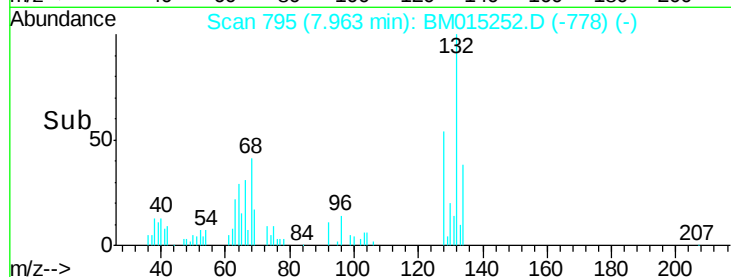
64 54.3 24.9 64.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: 1.001 ng

RT: 7.55 min Scan# 725

Delta R.T. 0.02 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

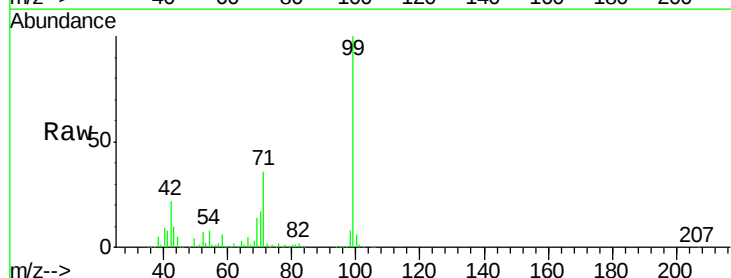
Tgt Ion: 77 Resp: 10014

Ion Ratio Lower Upper

77 100

105 54.8 78.8 118.8#

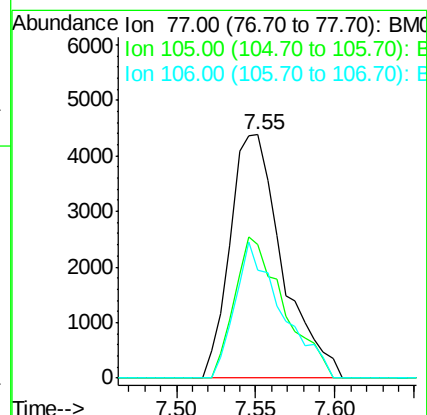
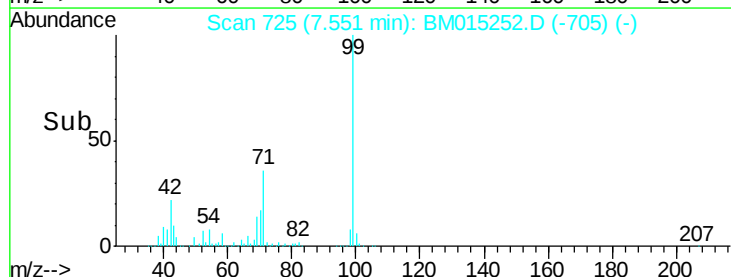
106 44.2 73.7 113.7#

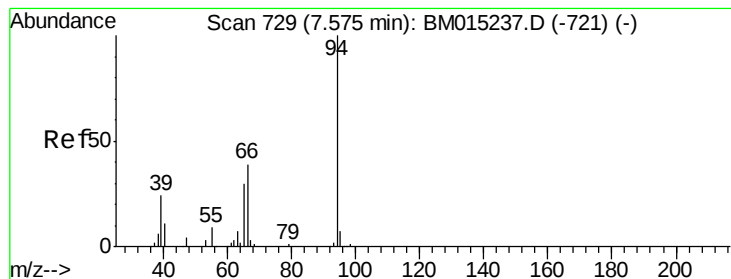


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.965 ng

RT: 7.57 min Scan# 728

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

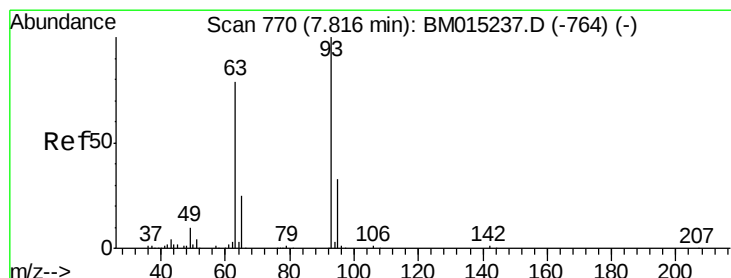
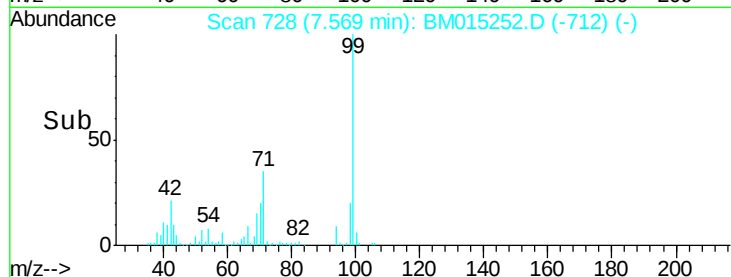
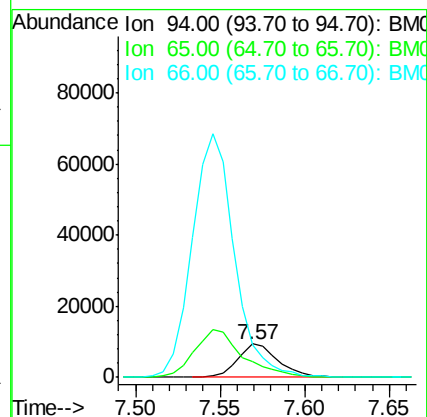
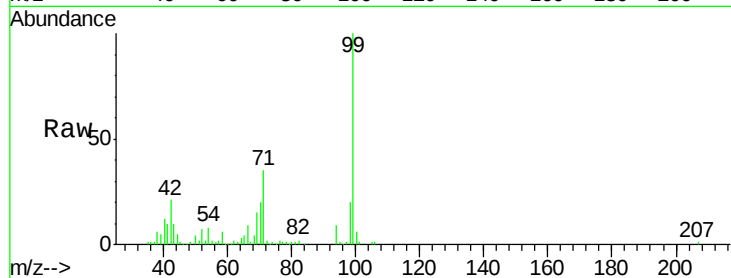
Tgt Ion: 94 Resp: 15496

Ion Ratio Lower Upper

94 100

65 45.7 18.8 58.8

66 95.7 39.9 79.9#



#11

bis(2-Chloroethyl)ether

Concen: 0.943 ng

RT: 7.82 min Scan# 770

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

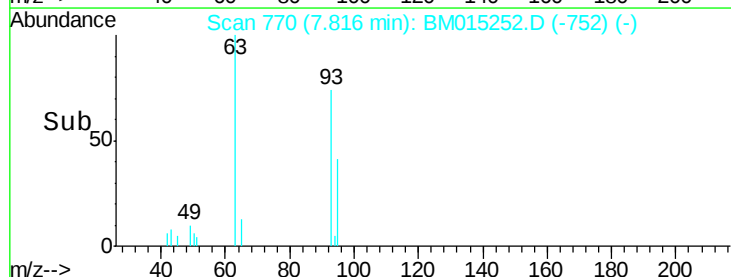
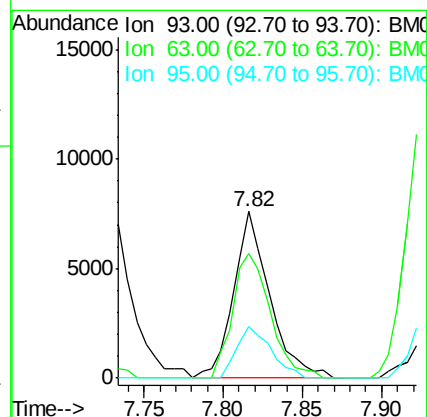
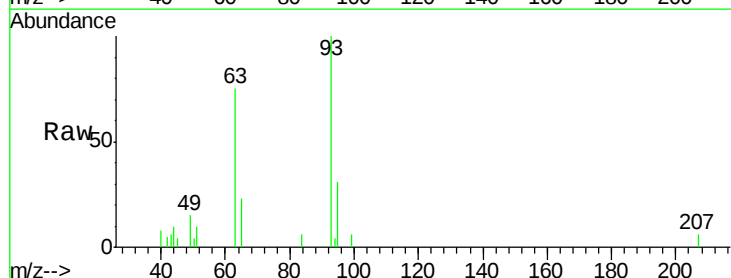
Tgt Ion: 93 Resp: 12006

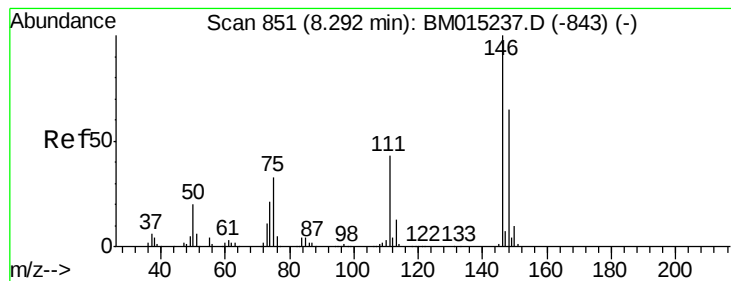
Ion Ratio Lower Upper

93 100

63 74.8 49.5 89.5

95 30.7 13.5 53.5





#12

1,3-Dichlorobenzene

Concen: 0.980 ng

RT: 8.30 min Scan# 852

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

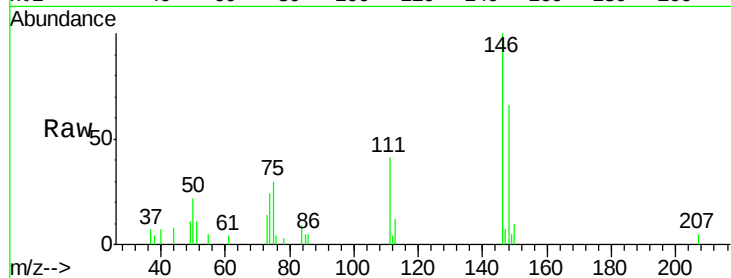
Tgt Ion:146 Resp: 15312

Ion Ratio Lower Upper

146 100

148 65.6 50.9 76.3

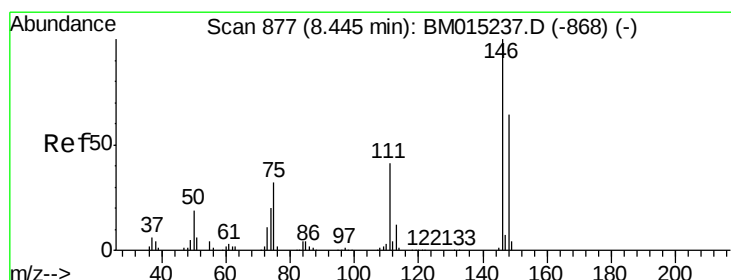
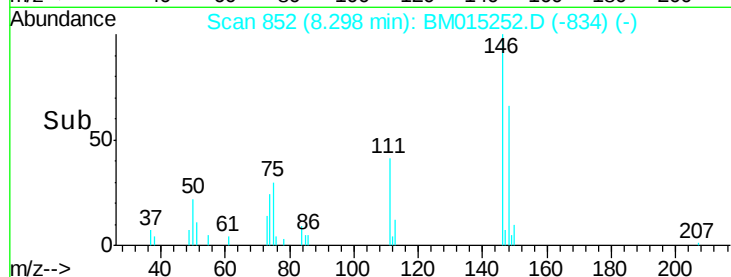
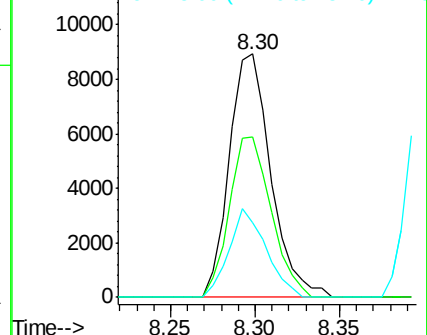
75 30.5 21.4 32.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BM



#13

1,4-Dichlorobenzene

Concen: 0.995 ng

RT: 8.45 min Scan# 877

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

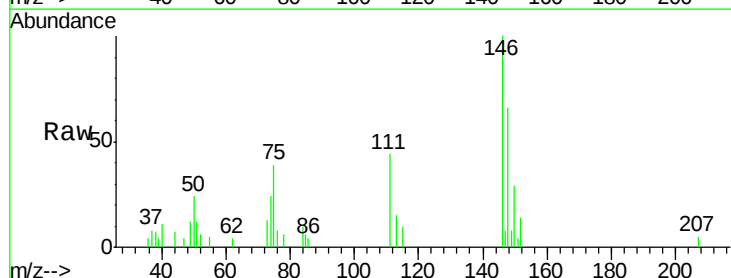
Tgt Ion:146 Resp: 15724

Ion Ratio Lower Upper

146 100

148 65.7 51.9 77.9

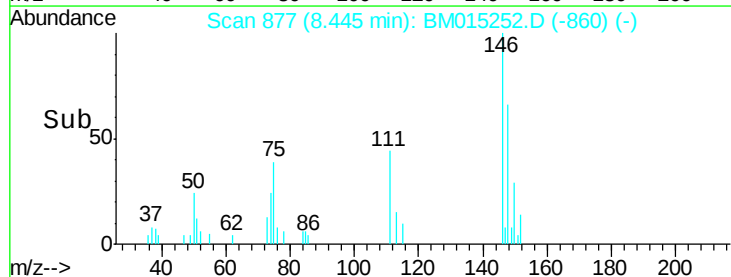
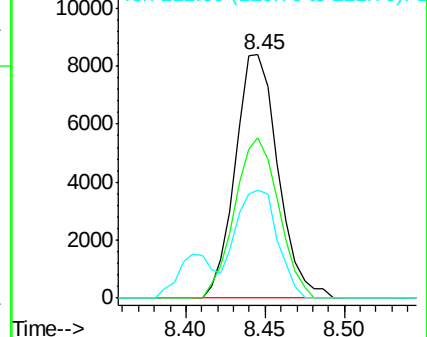
111 44.1 29.2 43.8#

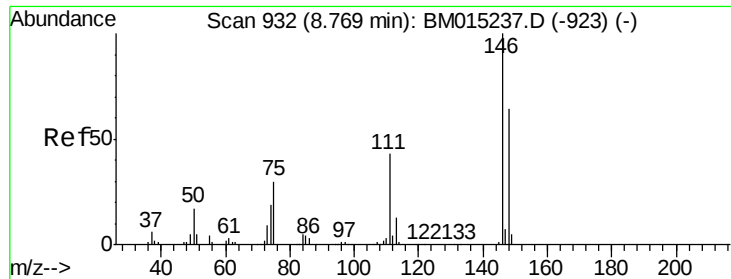


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

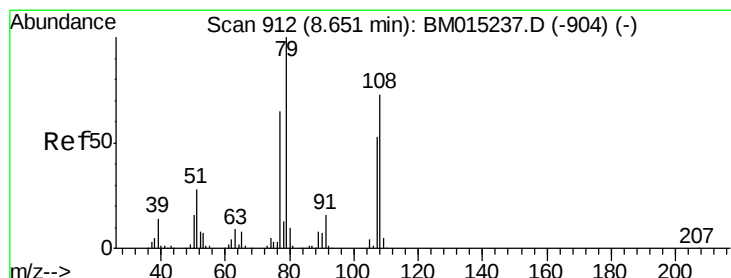
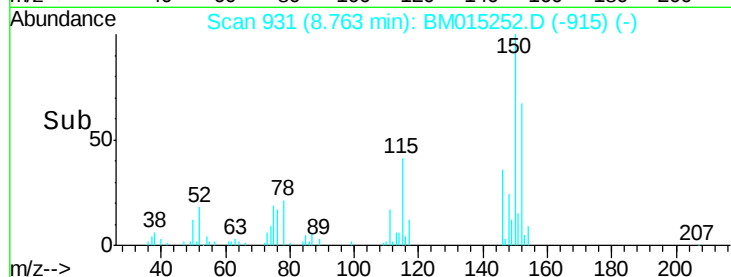
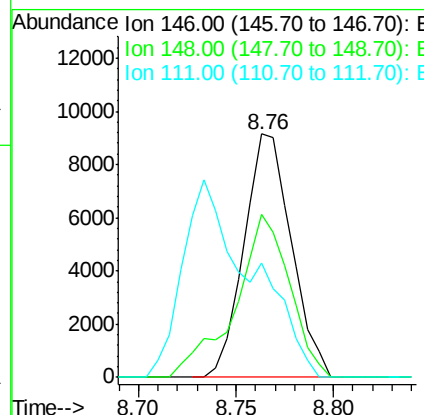
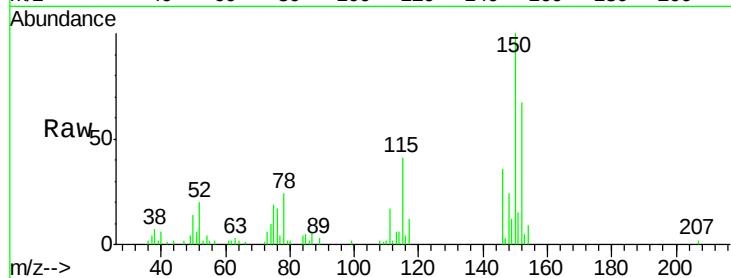




#14
 1,2-Dichlorobenzene
 Concen: 1.026 ng
 RT: 8.76 min Scan# 931
 Delta R.T. -0.01 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

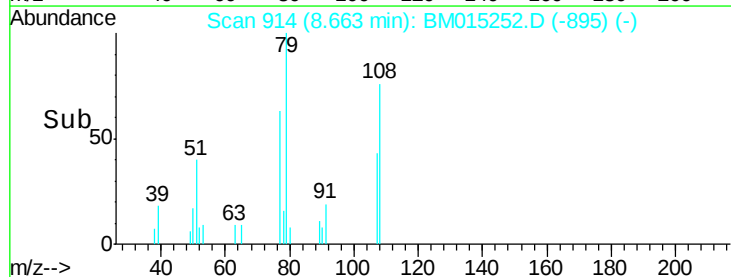
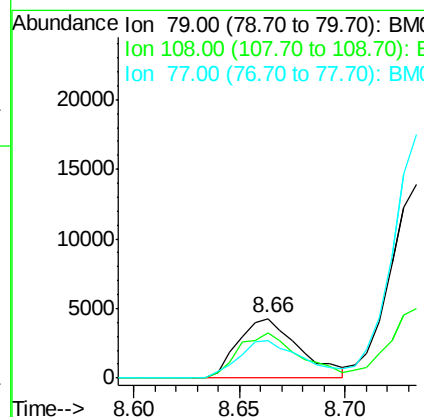
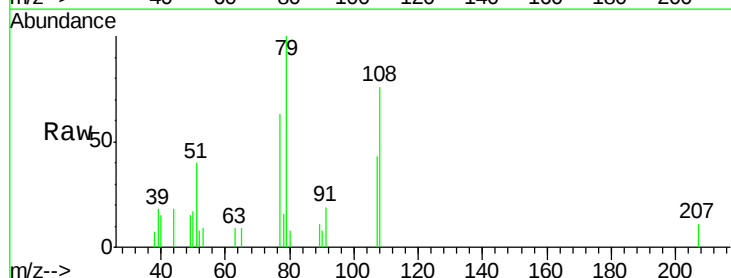
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

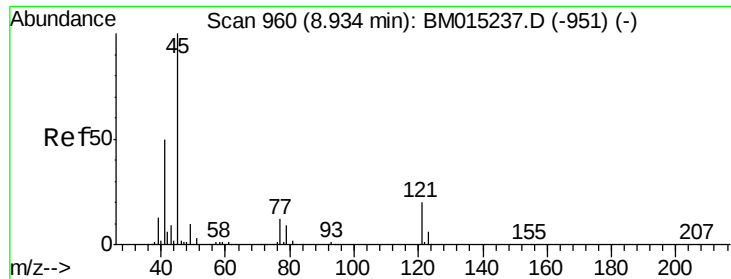
Tgt Ion: 146 Resp: 15379
 Ion Ratio Lower Upper
 146 100
 148 66.8 52.3 78.5
 111 47.0 30.6 45.8#



#15
 Benzyl Alcohol
 Concen: 0.750 ng
 RT: 8.66 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Tgt Ion: 79 Resp: 8572
 Ion Ratio Lower Upper
 79 100
 108 75.6 65.0 97.4
 77 62.6 53.0 79.6

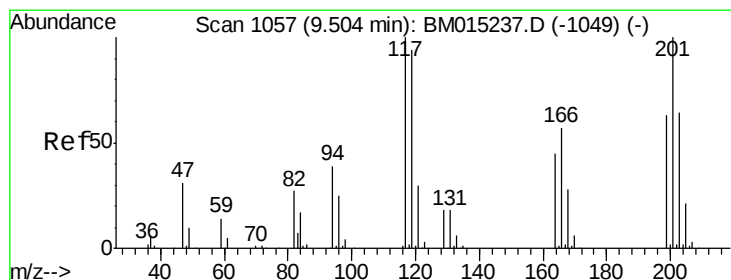
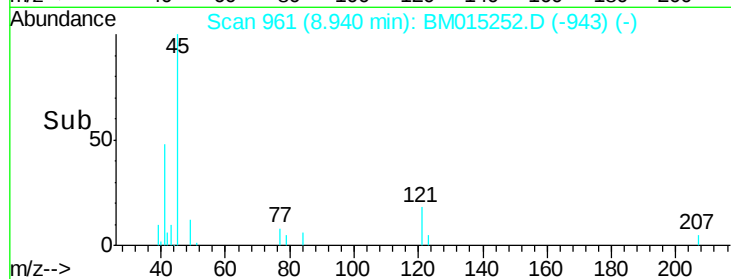
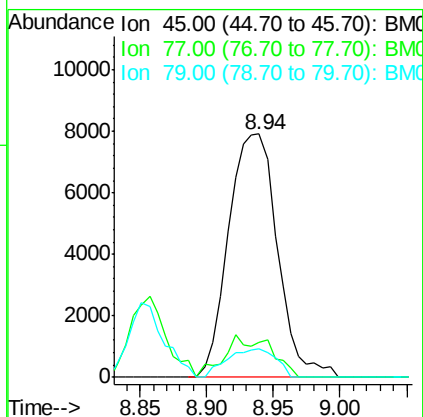
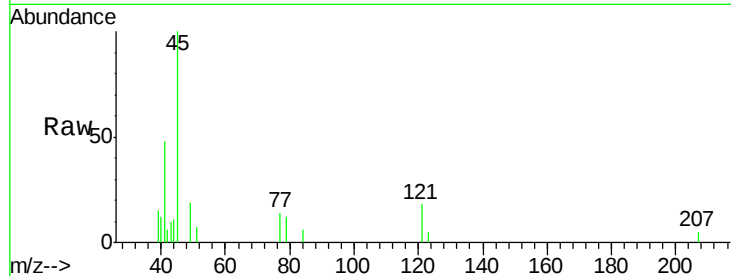




#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 1.003 ng
 RT: 8.94 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

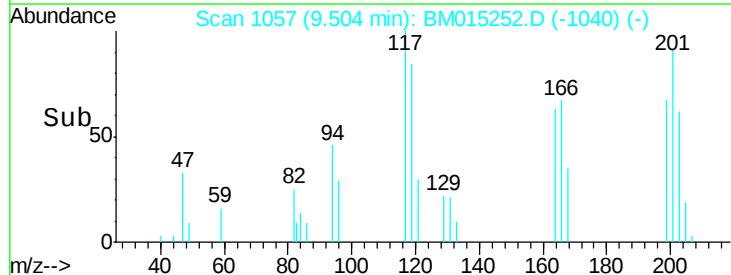
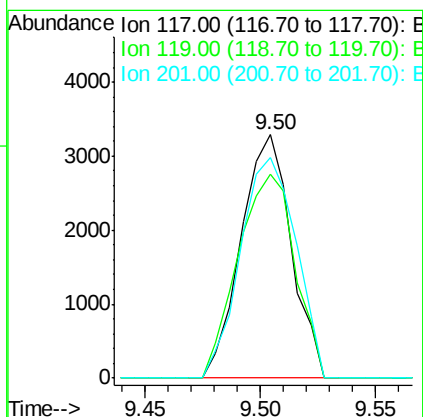
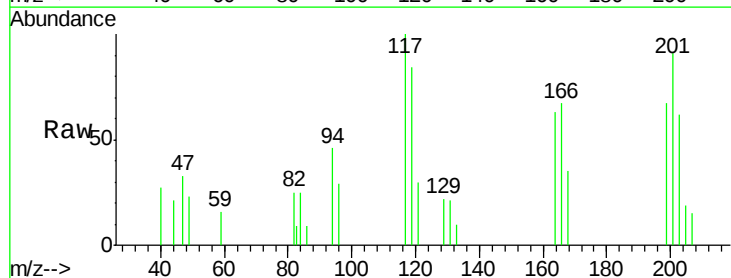
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

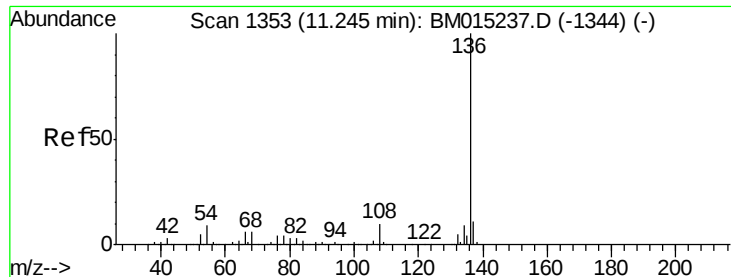
Tgt Ion:	45	Resp:	20158
Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	35.2
79	11.8	0.0	32.0



#18
 Hexachloroethane
 Concen: 0.888 ng
 RT: 9.50 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Tgt Ion:	117	Resp:	4981
Ion	Ratio	Lower	Upper
117	100		
119	83.7	79.2	118.8
201	90.7	69.8	104.6

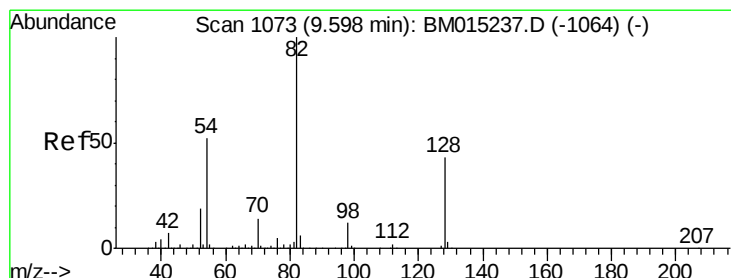
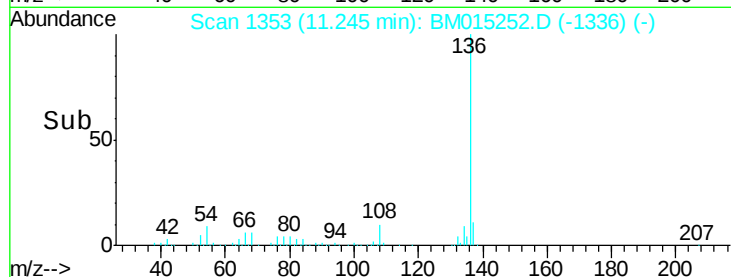
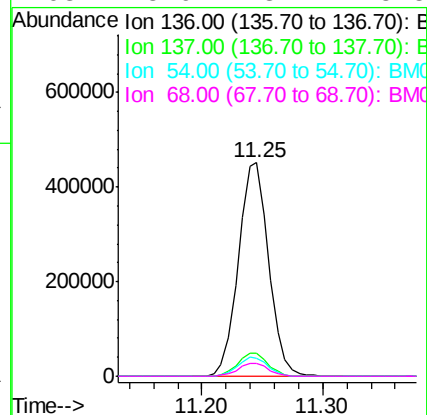
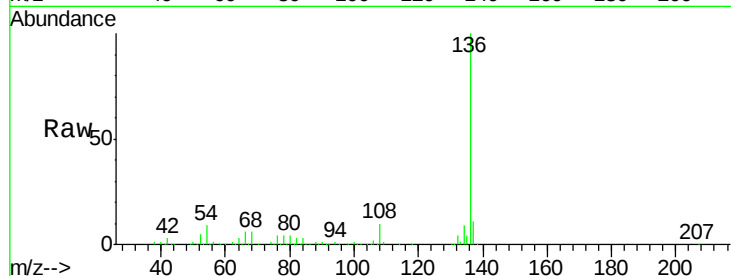




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.25 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

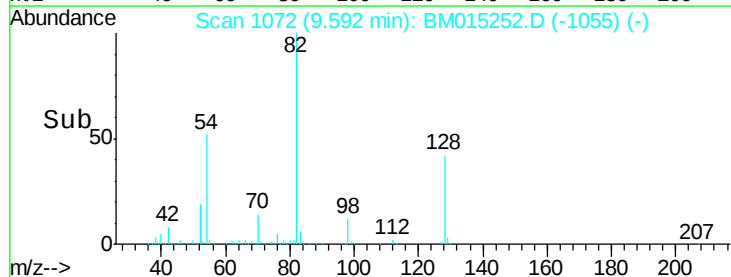
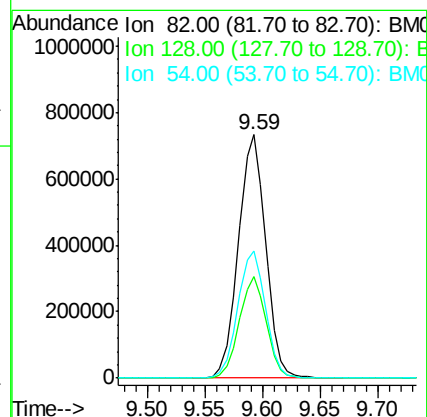
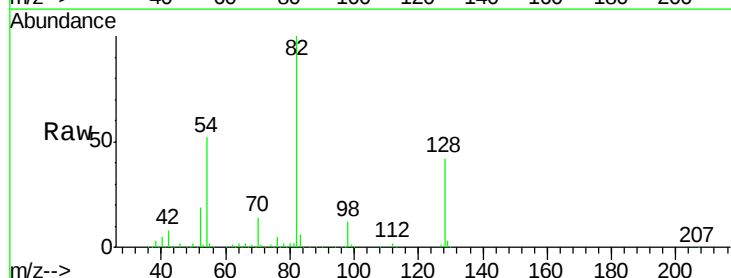
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

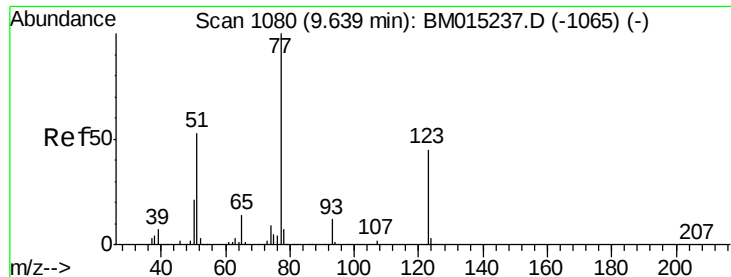
Tgt Ion:	136	Resp:	788740
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	8.7	4.6	6.8#
68	5.9	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 83.461 ng
RT: 9.59 min Scan# 1072
Delta R.T. 0.00 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

Tgt Ion:	82	Resp:	1201690
Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.8	49.2
54	52.4	40.6	60.8

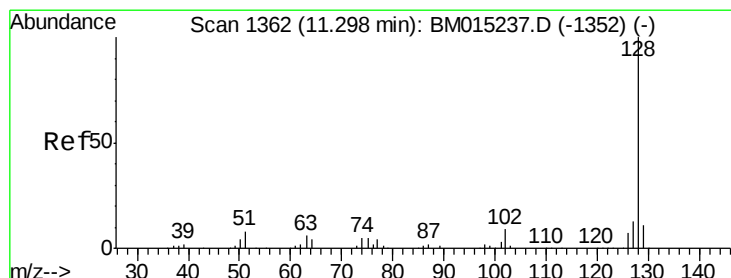
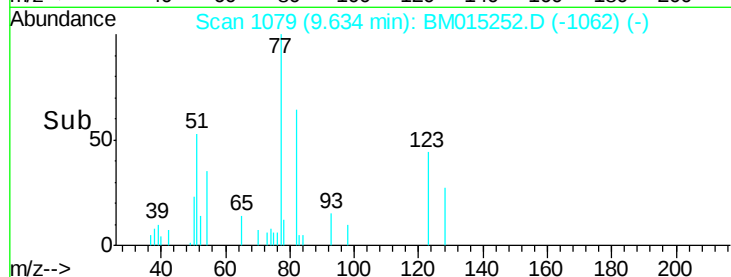
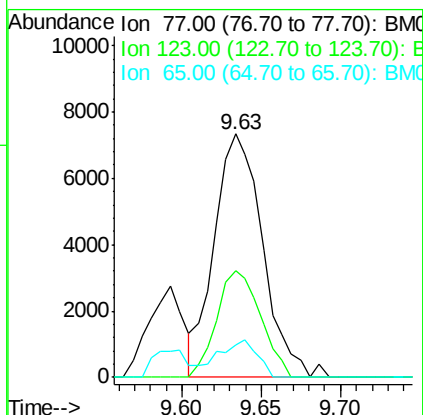
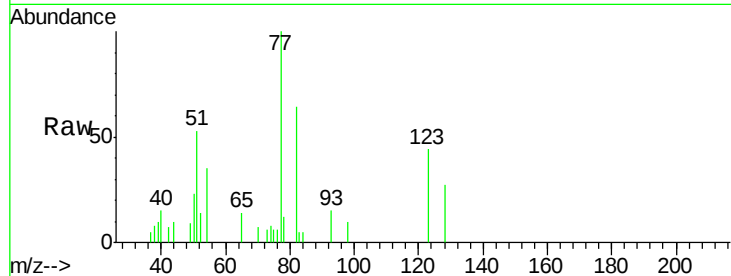




#24
 Nitrobenzene
 Concen: 1.039 ng
 RT: 9.63 min Scan# 1079
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

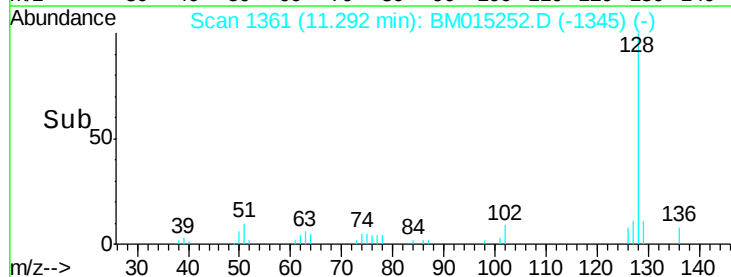
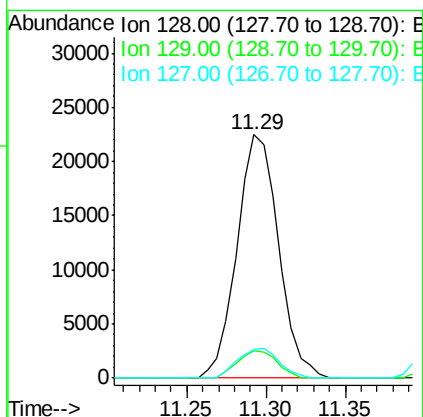
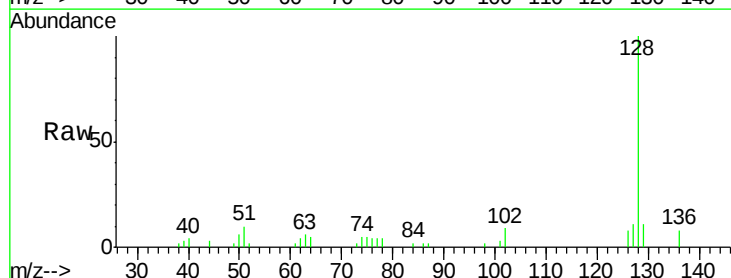
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

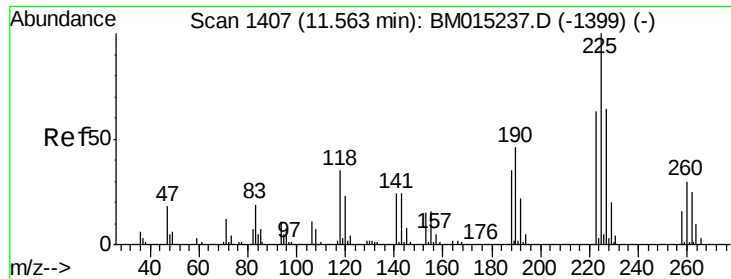
Tgt Ion: 77 Resp: 15571
 Ion Ratio Lower Upper
 77 100
 123 43.6 32.6 49.0
 65 13.5 10.9 16.3



#31
 Naphthalene
 Concen: 0.998 ng
 RT: 11.29 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Tgt Ion: 128 Resp: 40905
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.9 13.3
 127 11.5 10.4 15.6

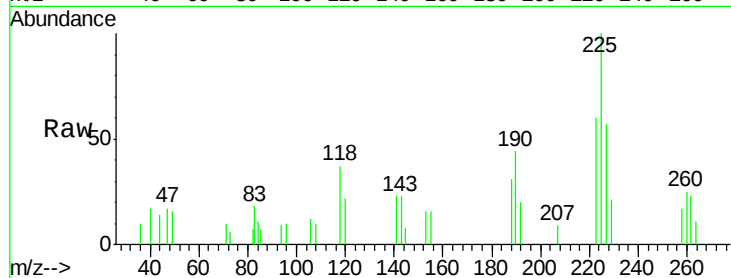




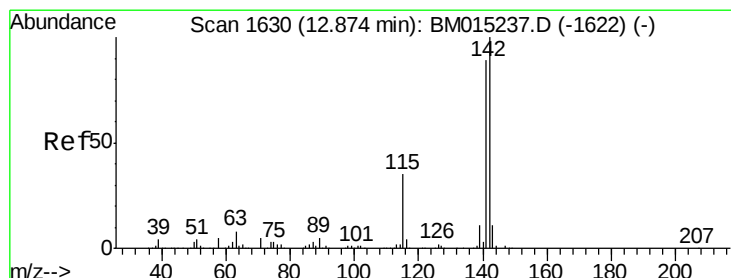
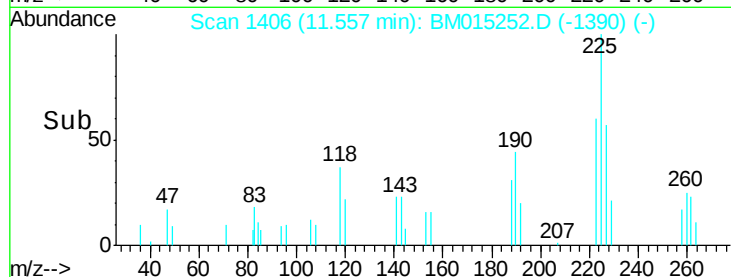
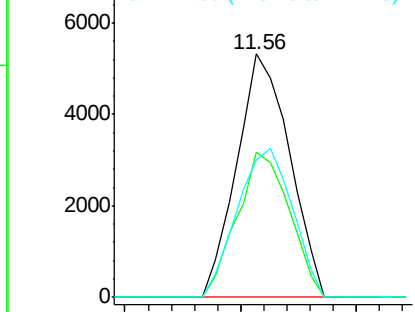
#34
Hexachlorobutadiene
Concen: 1.046 ng
RT: 11.56 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion: 225 Resp: 8462
Ion Ratio Lower Upper
225 100
223 59.5 47.9 71.9
227 56.6 50.1 75.1

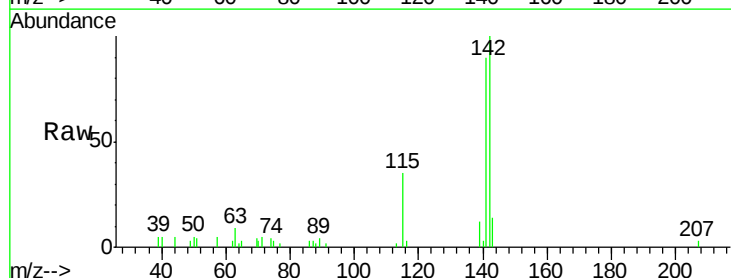


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

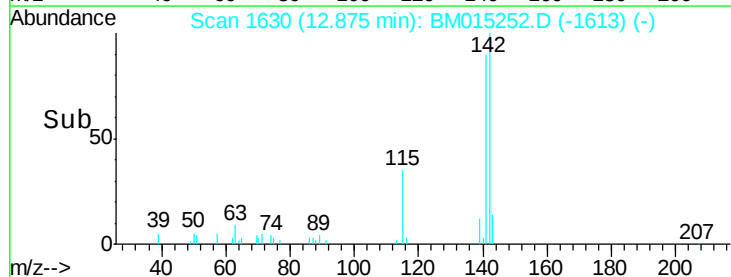
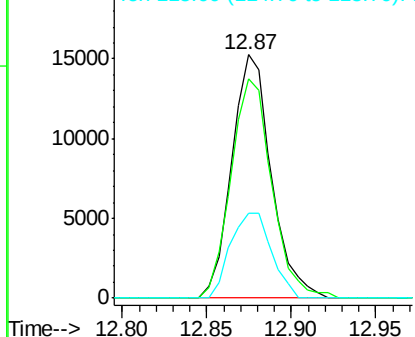


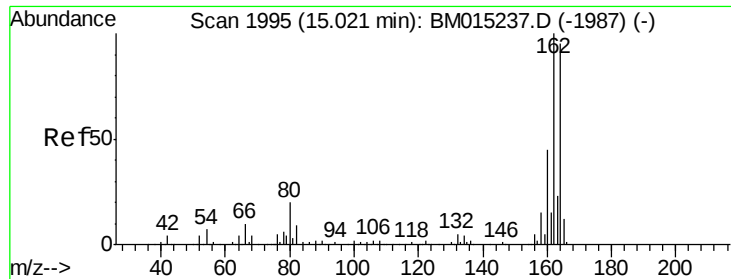
#37
2-Methylnaphthalene
Concen: 0.875 ng
RT: 12.87 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

Tgt Ion: 142 Resp: 24868
Ion Ratio Lower Upper
142 100
141 90.2 71.9 107.9
115 34.9 25.4 38.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.02 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

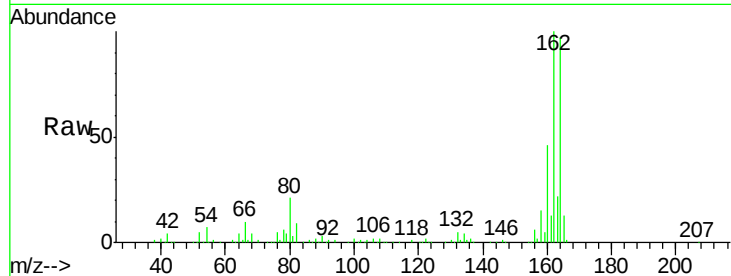
Tgt Ion:164 Resp: 404521

Ion Ratio Lower Upper

164 100

162 102.9 82.4 123.6

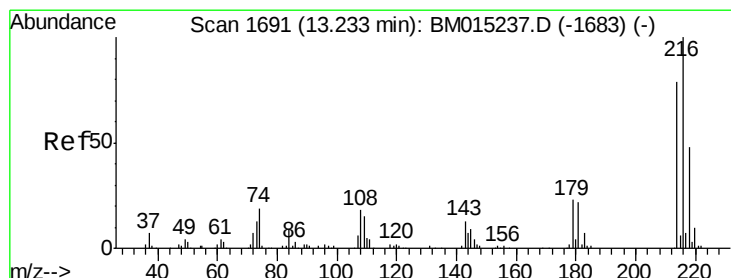
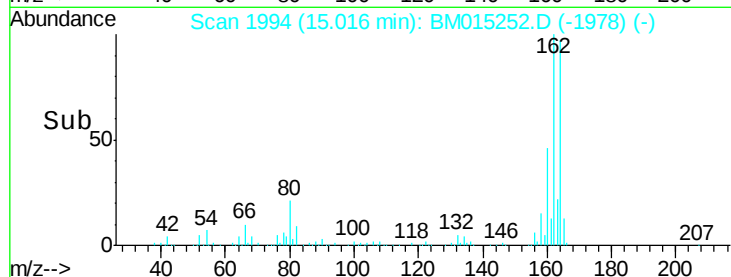
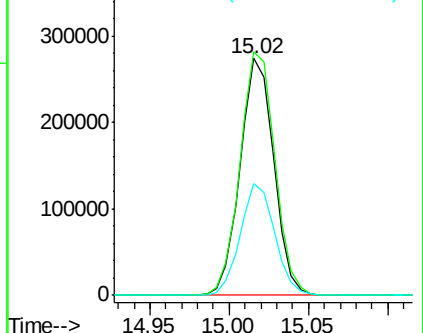
160 47.0 35.8 53.6



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



#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.983 ng

RT: 13.23 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Tgt Ion:216 Resp: 14010

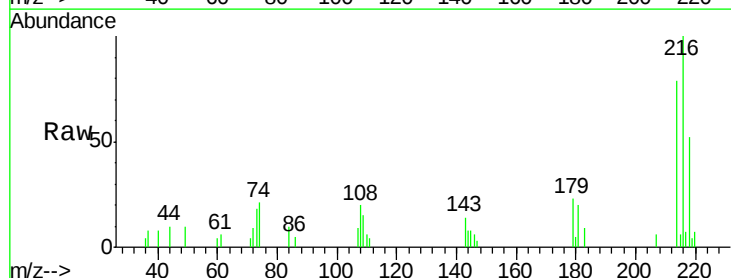
Ion Ratio Lower Upper

216 100

214 78.5 0.0 0.0#

179 21.8 0.0 0.0#

108 18.6 0.0 0.0#

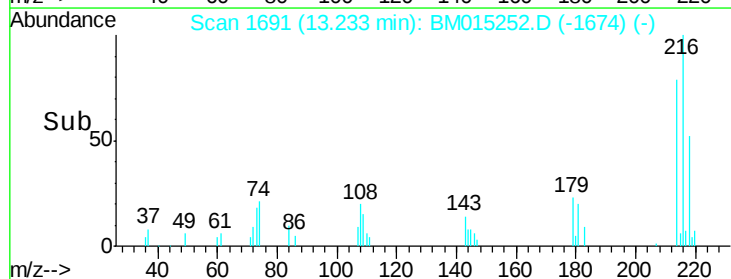
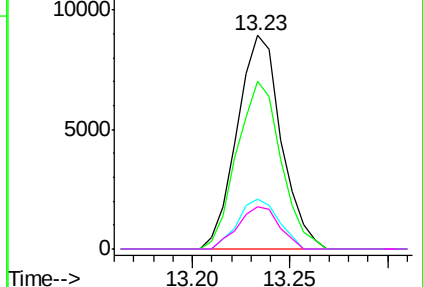


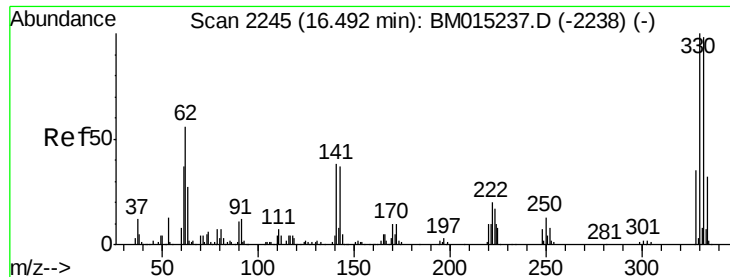
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

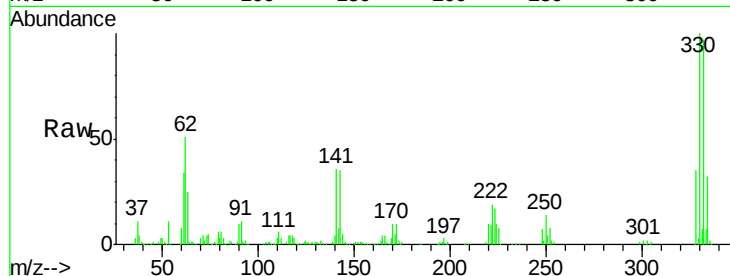




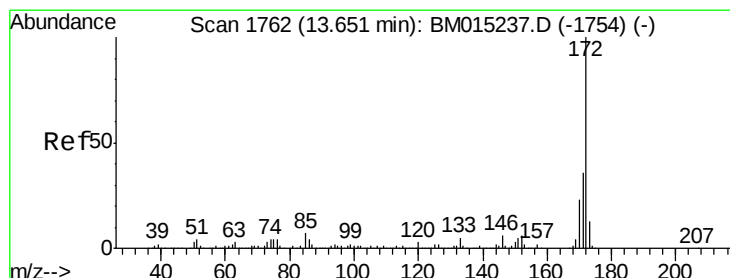
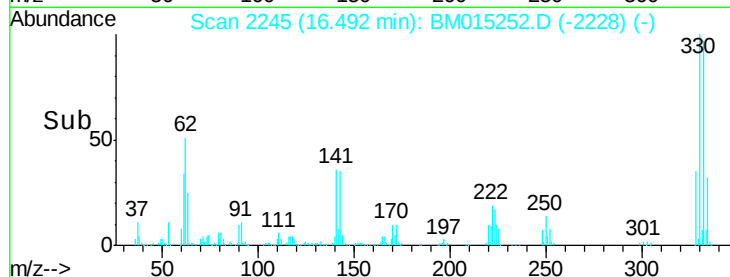
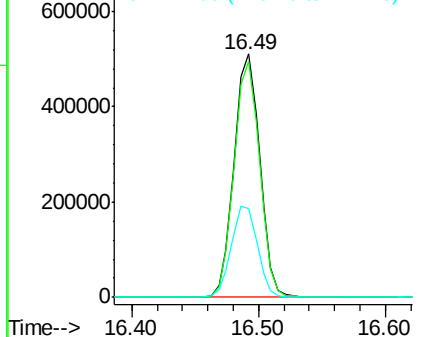
#41
 2,4,6-Tribromophenol
 Concen: 141.098 ng
 RT: 16.49 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tgt Ion:330 Resp: 715727
 Ion Ratio Lower Upper
 330 100
 332 96.6 0.0 0.0#
 141 38.3 0.0 0.0#

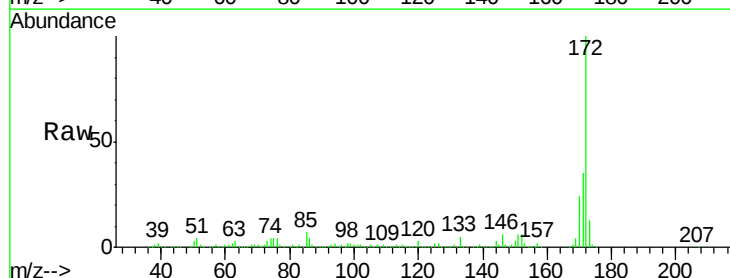


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

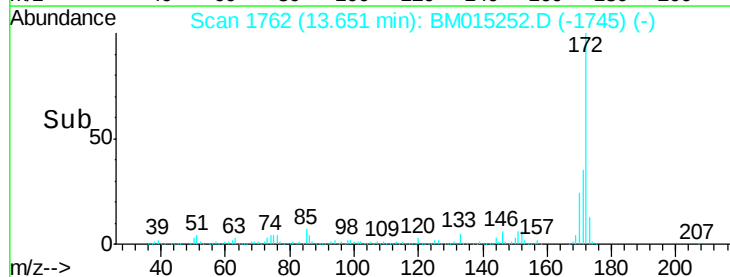
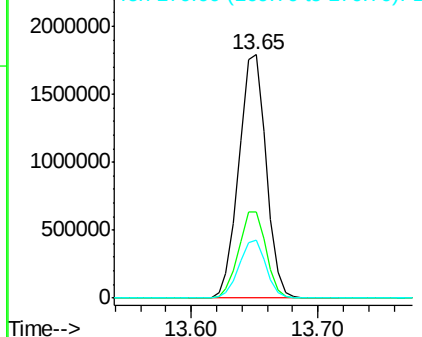


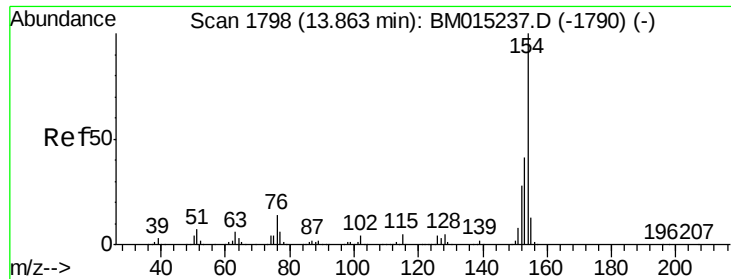
#44
 2-Fluorobiphenyl
 Concen: 81.962 ng
 RT: 13.65 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Tgt Ion:172 Resp: 2667103
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.5 42.7
 170 24.0 18.8 28.2



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

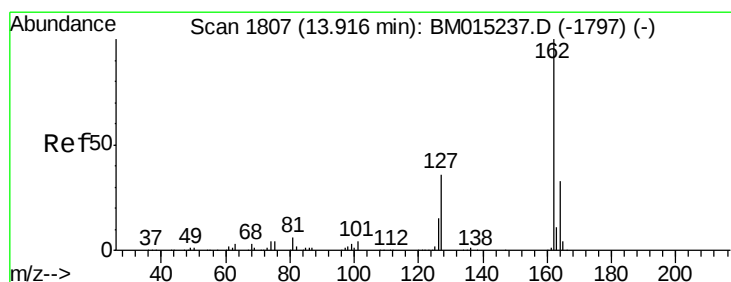
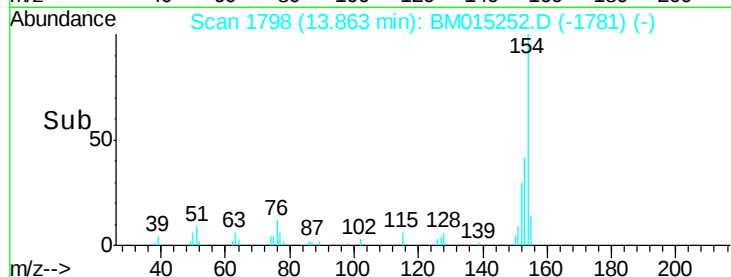
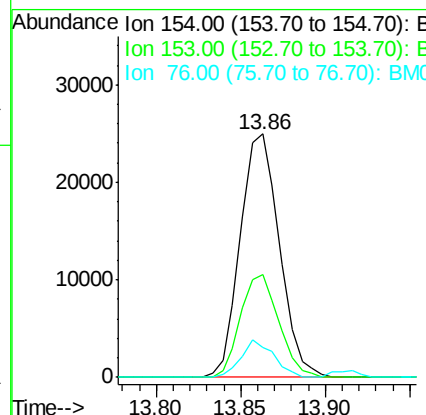
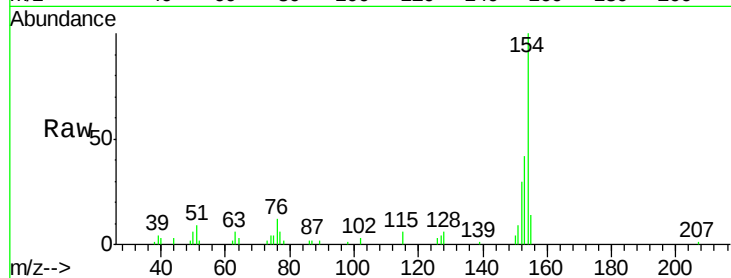




#45
 1,1'-Biphenyl
 Concen: 1.139 ng
 RT: 13.86 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

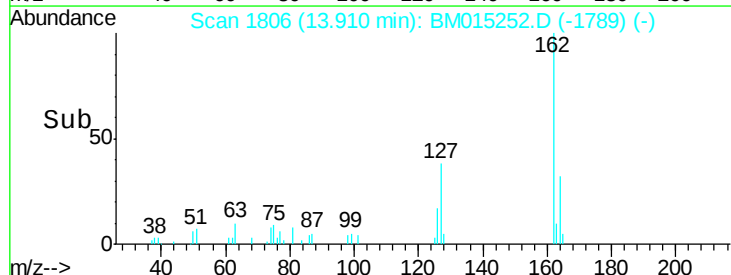
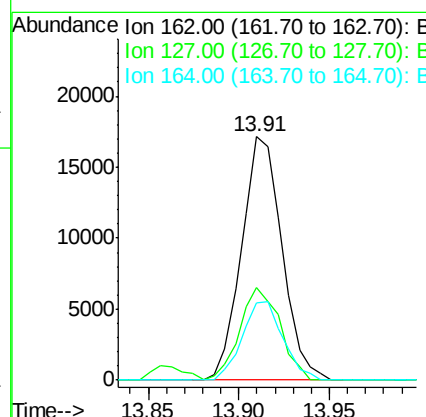
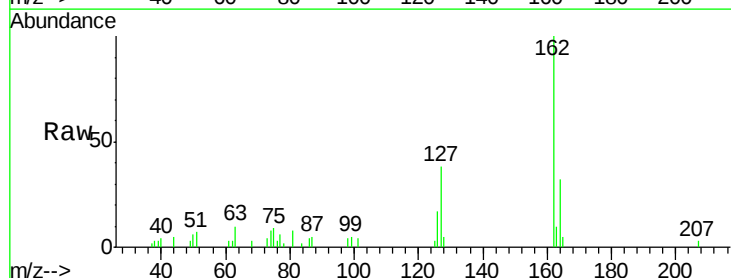
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

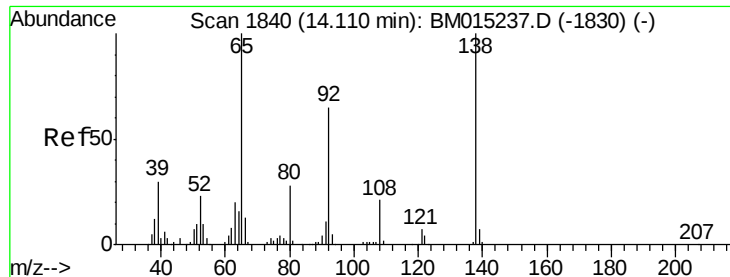
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	20.7	60.7
76	12.4	0.0	30.9



#46
 2-Chloronaphthalene
 Concen: 0.977 ng
 RT: 13.91 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.2	26.9	40.3
164	31.6	26.8	40.2





#47

2-Nitroaniline

Concen: 0.601 ng

RT: 14.12 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

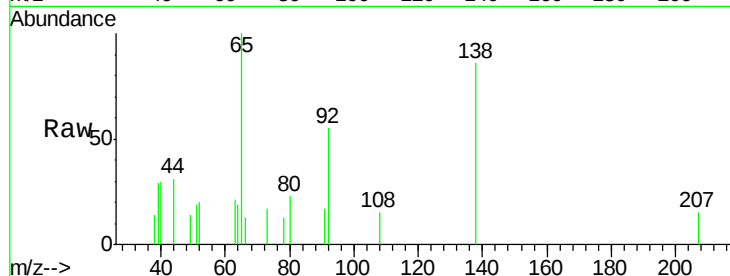
Tgt Ion: 65 Resp: 4667

Ion Ratio Lower Upper

65 100

92 55.3 59.1 88.7#

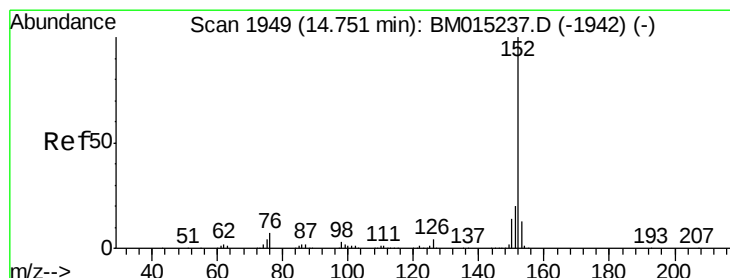
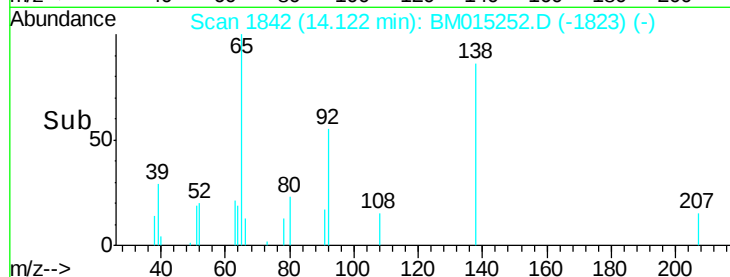
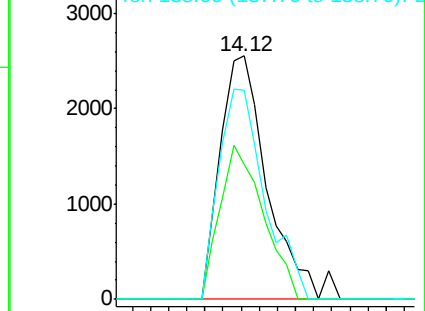
138 85.7 93.9 140.9#



Abundance Ion 65.00 (64.70 to 65.70): BM015237.D (-1830) (-)

Ion 92.00 (91.70 to 92.70): BM015237.D (-1830) (-)

Ion 138.00 (137.70 to 138.70): BM015237.D (-1830) (-)



#48

Acenaphthylene

Concen: 0.813 ng

RT: 14.75 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

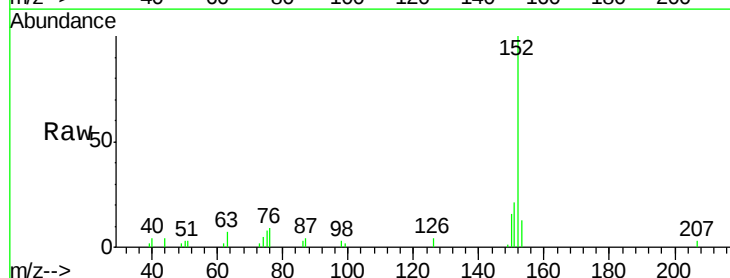
Tgt Ion: 152 Resp: 32908

Ion Ratio Lower Upper

152 100

151 21.4 15.9 23.9

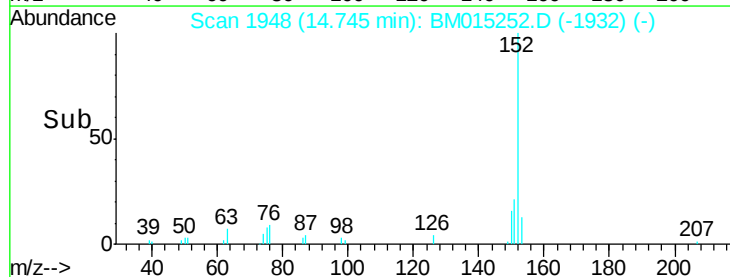
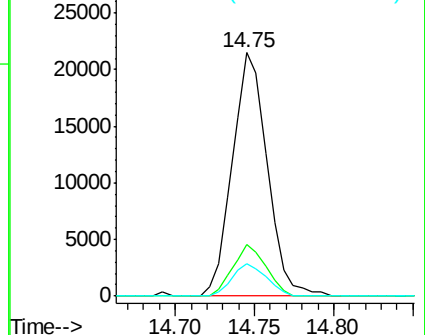
153 13.3 10.6 16.0

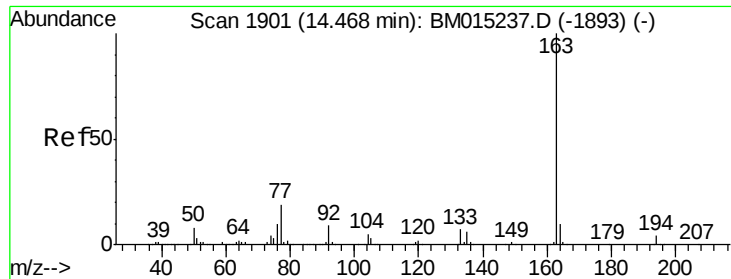


Abundance Ion 152.00 (151.70 to 152.70): BM015237.D (-1942) (-)

Ion 151.00 (150.70 to 151.70): BM015237.D (-1942) (-)

Ion 153.00 (152.70 to 153.70): BM015237.D (-1942) (-)





#49

Dimethylphthalate

Concen: 0.924 ng

RT: 14.46 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

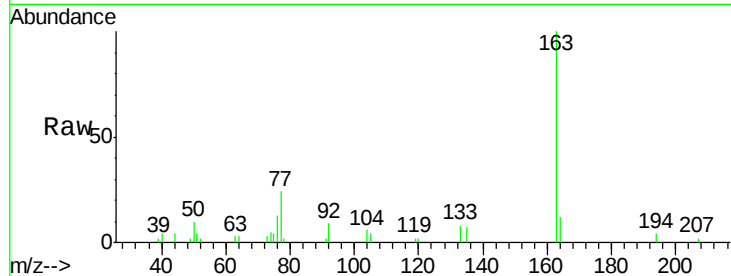
Tgt Ion:163 Resp: 29840

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

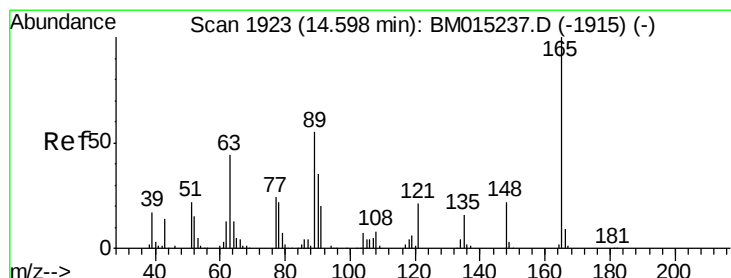
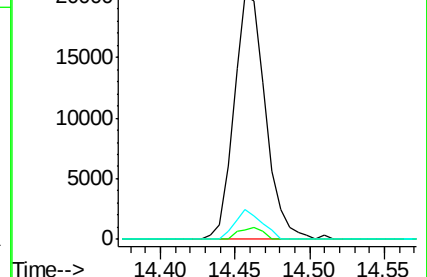
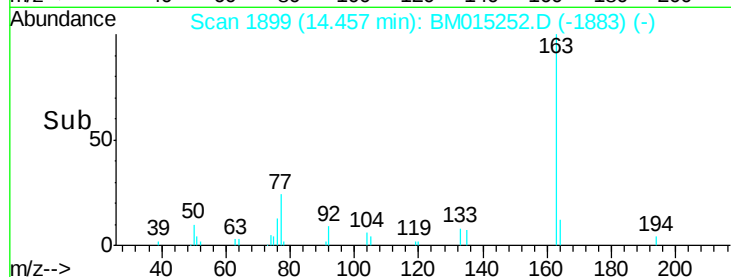
164 12.4 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.616 ng

RT: 14.59 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

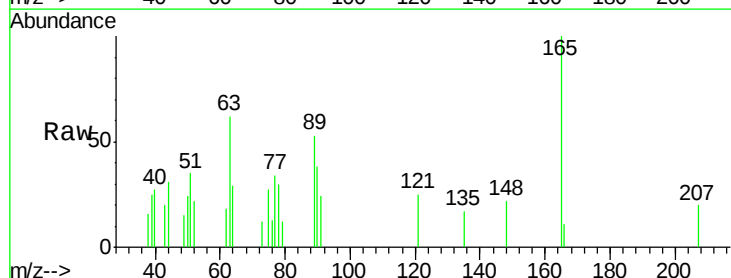
Tgt Ion:165 Resp: 4147

Ion Ratio Lower Upper

165 100

63 62.3 44.1 66.1

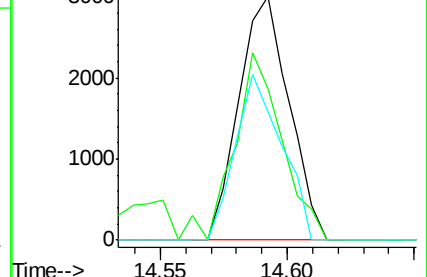
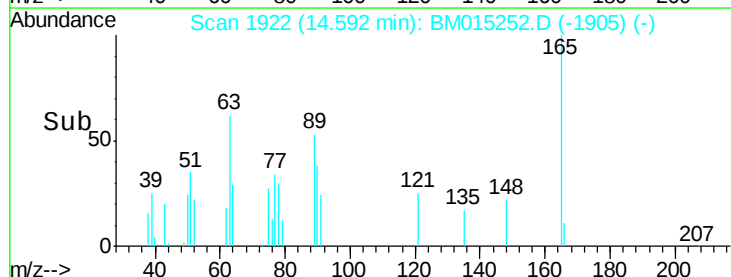
89 53.0 44.3 66.5

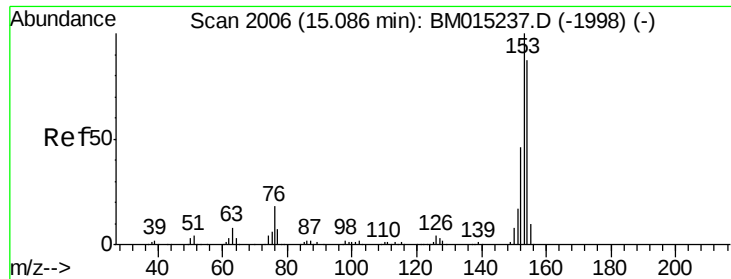


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 1.015 ng

RT: 15.08 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

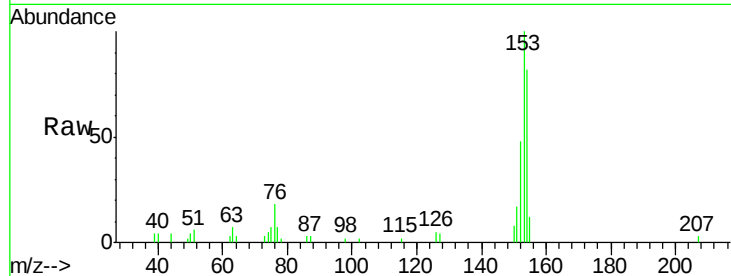
Tgt Ion:154 Resp: 25586

Ion Ratio Lower Upper

154 100

153 121.7 90.0 135.0

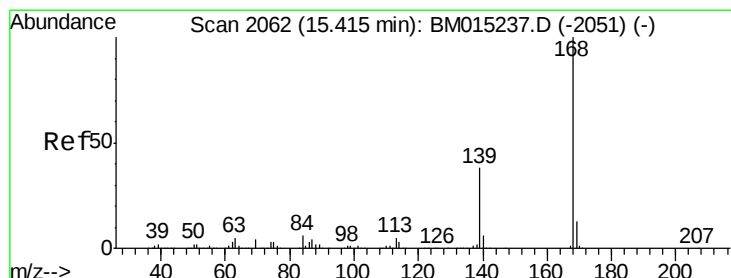
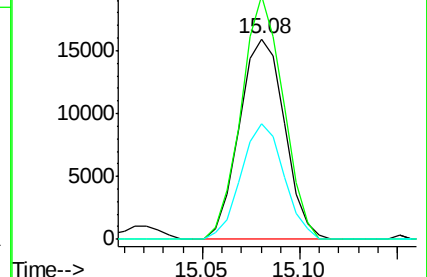
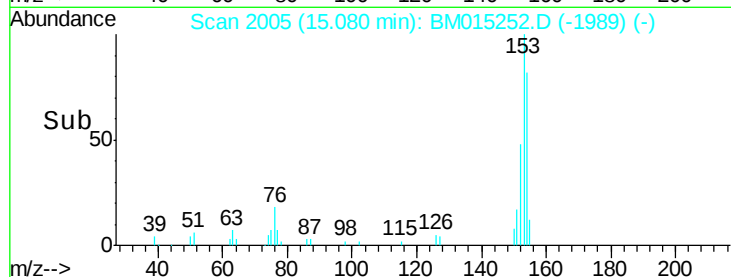
152 57.9 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 0.984 ng

RT: 15.41 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

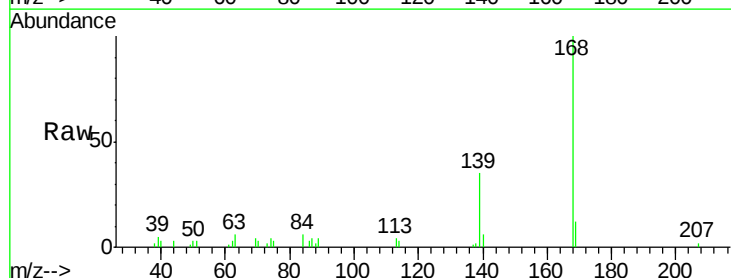
Tgt Ion:168 Resp: 39088

Ion Ratio Lower Upper

168 100

139 35.0 27.3 40.9

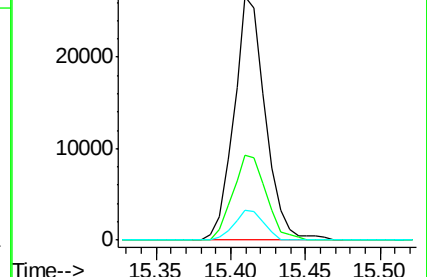
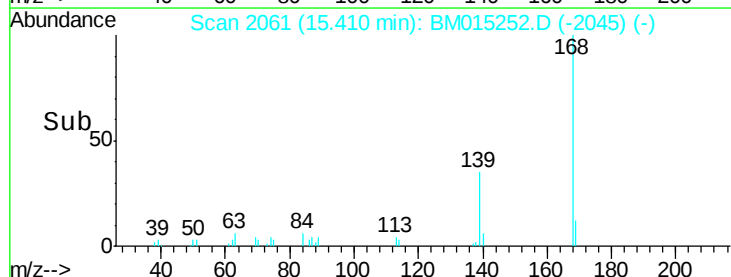
169 12.0 10.6 16.0

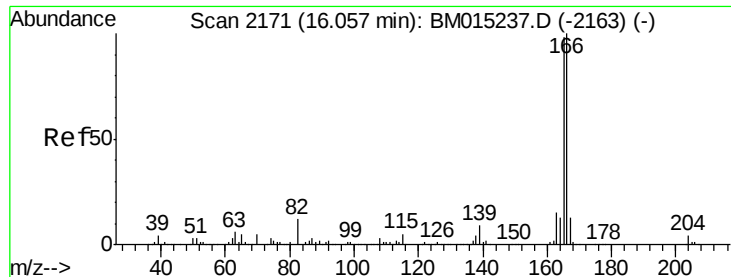


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

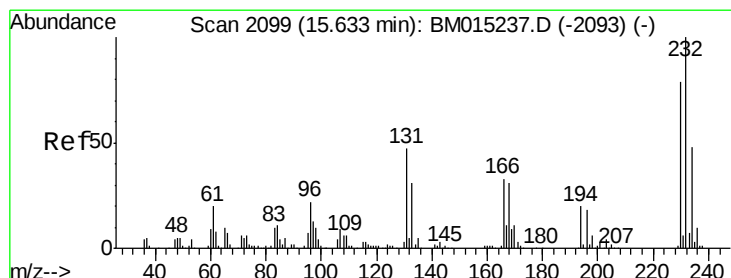
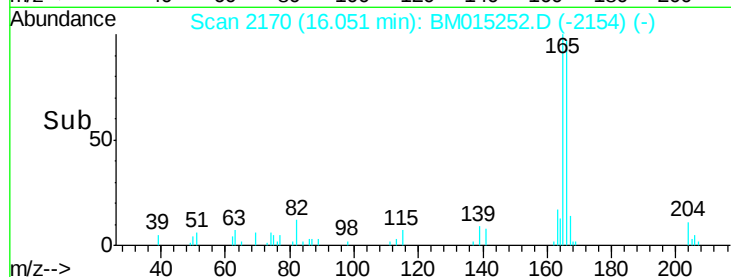
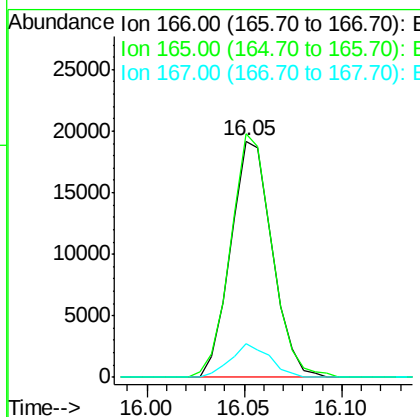
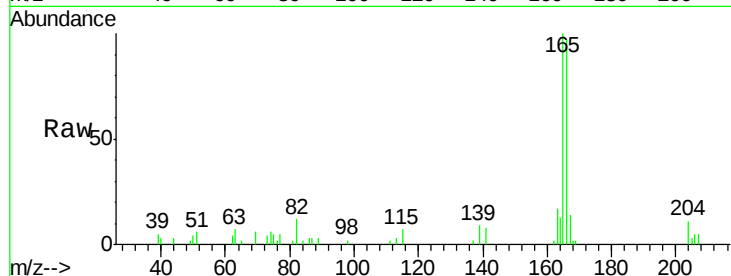




#57
 Fluorene
 Concen: 0.898 ng
 RT: 16.05 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

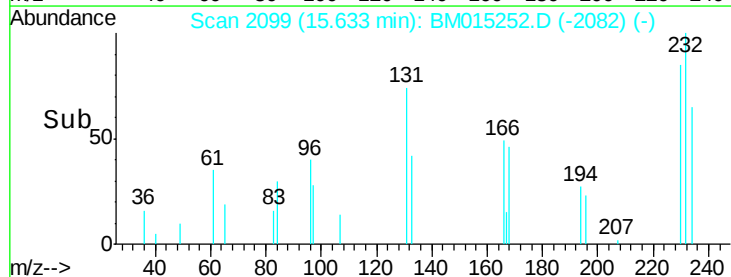
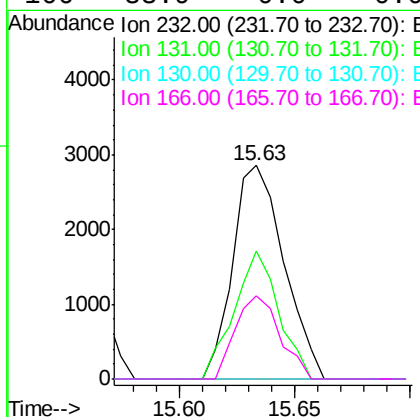
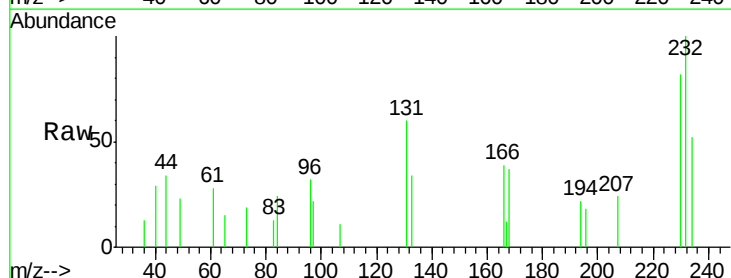
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

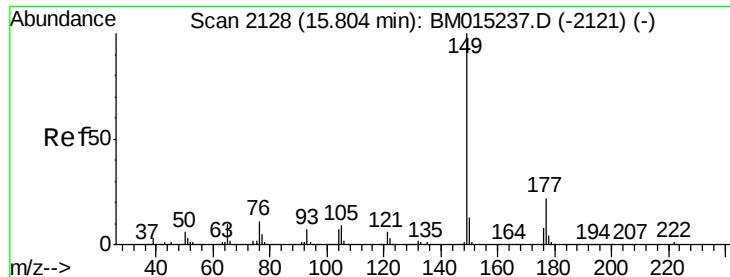
Tgt Ion:166 Resp: 28211
 Ion Ratio Lower Upper
 166 100
 165 103.0 79.0 118.4
 167 14.4 10.3 15.5



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.555 ng
 RT: 15.63 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Tgt Ion:232 Resp: 4397
 Ion Ratio Lower Upper
 232 100
 131 52.1 0.0 0.0#
 130 0.0 0.0 0.0
 166 33.9 0.0 0.0#

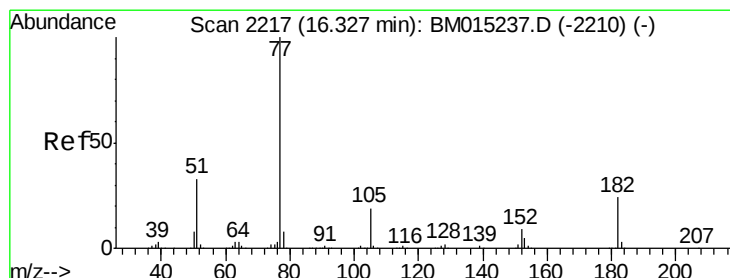
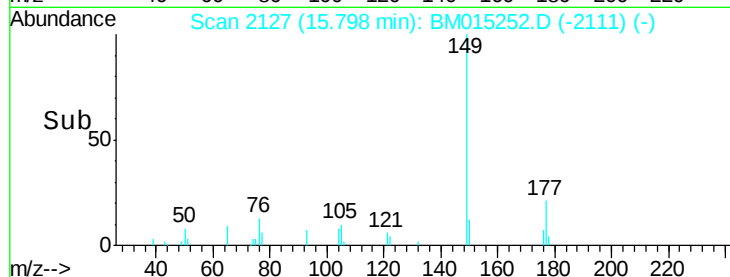
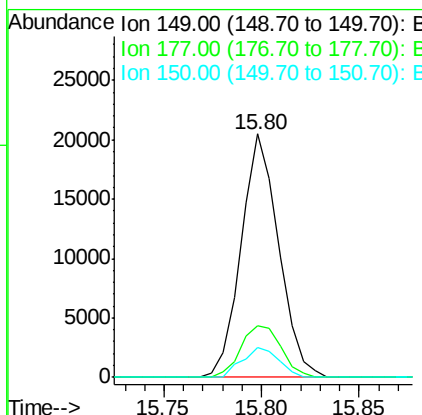
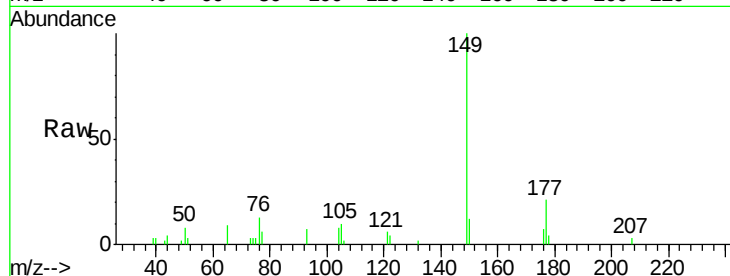




#59
Diethylphthalate
Concen: 0.856 ng
RT: 15.80 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

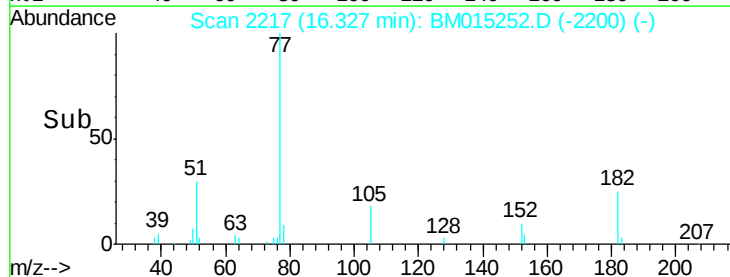
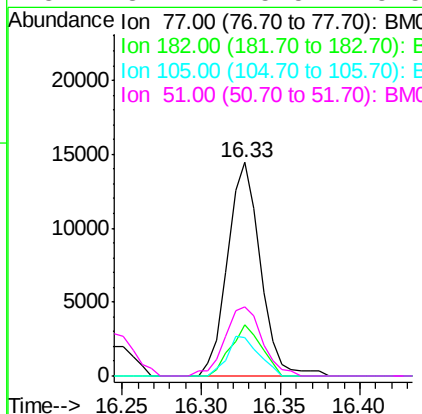
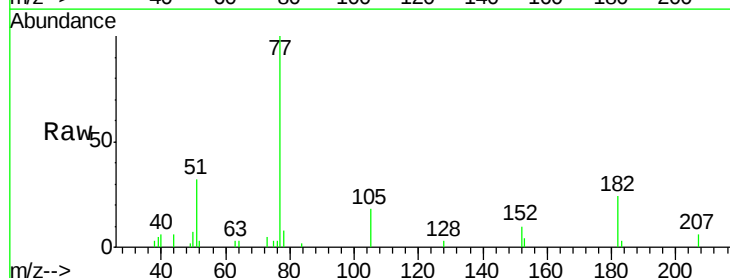
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

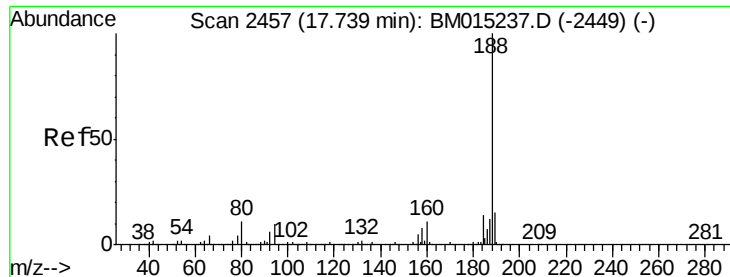
Tgt Ion: 149 Resp: 27226
Ion Ratio Lower Upper
149 100
177 21.2 18.3 27.5
150 12.3 9.8 14.8



#62
Azobenzene
Concen: 0.687 ng
RT: 16.33 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

Tgt Ion: 77 Resp: 20760
Ion Ratio Lower Upper
77 100
182 24.0 6.5 46.5
105 18.0 3.8 43.8
51 32.1 5.5 45.5





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.73 min Scan# 2456

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

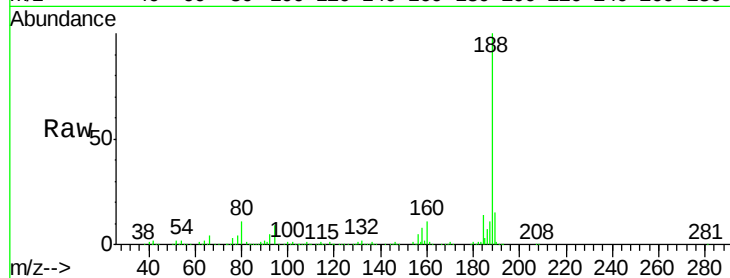
Tgt Ion:188 Resp: 843656

Ion Ratio Lower Upper

188 100

94 9.4 8.7 13.1

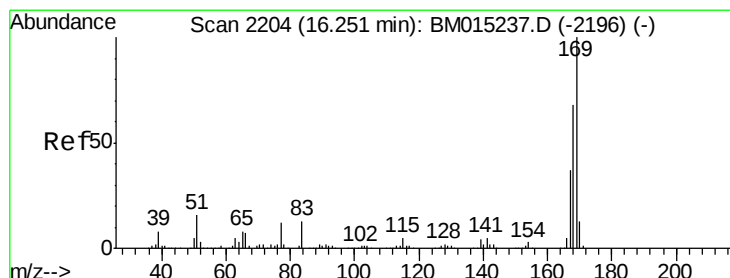
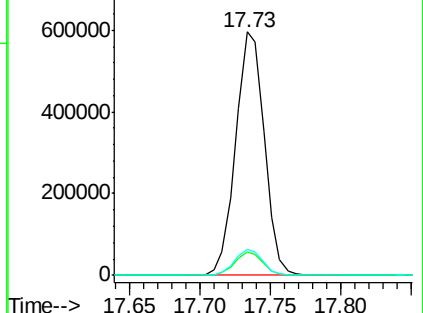
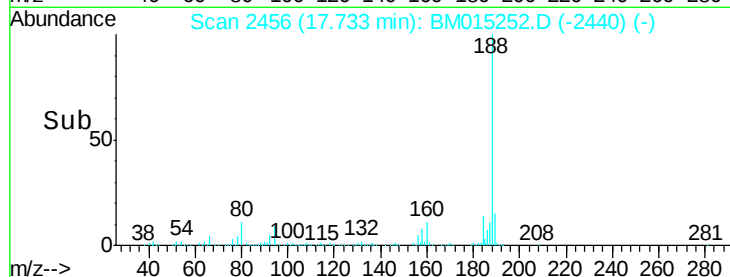
80 10.8 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#65

n-Nitrosodiphenylamine

Concen: 0.821 ng

RT: 16.25 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

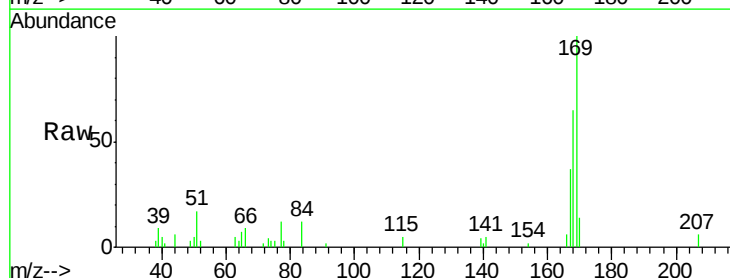
Tgt Ion:169 Resp: 22254

Ion Ratio Lower Upper

169 100

168 65.5 53.9 80.9

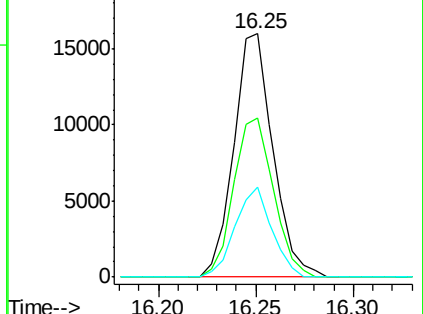
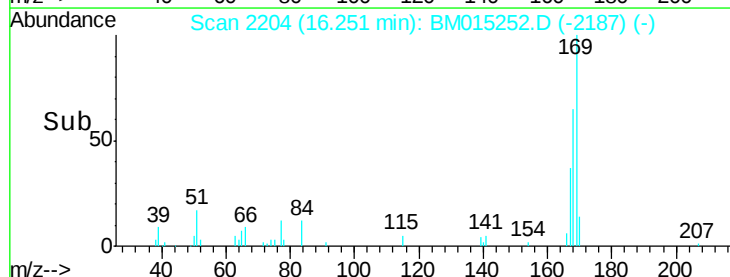
167 36.9 28.9 43.3

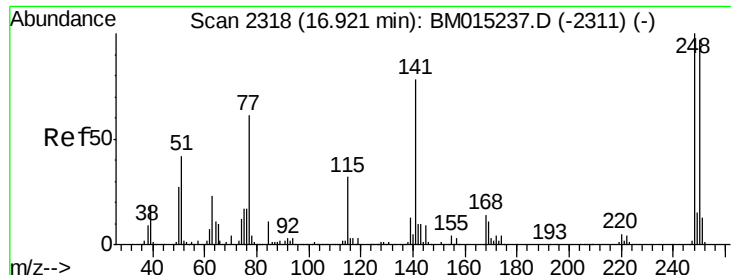


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

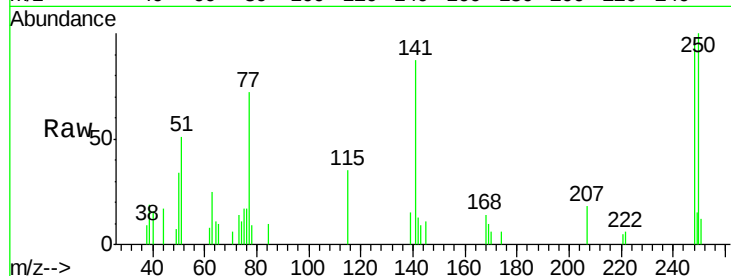




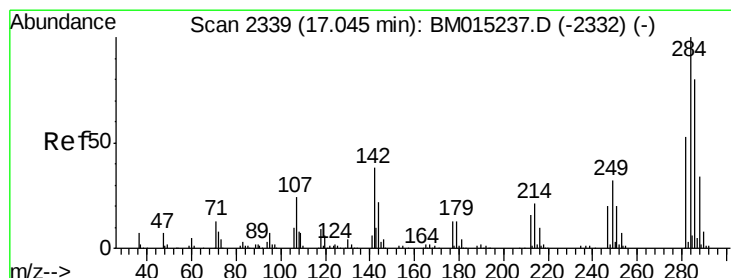
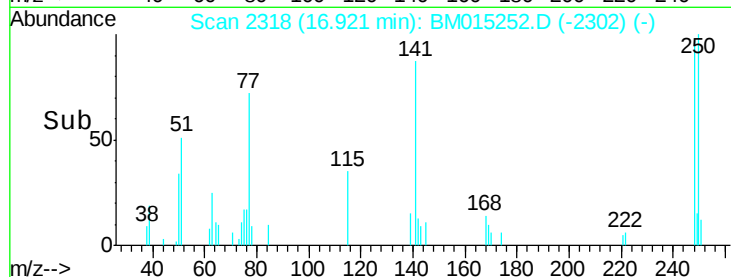
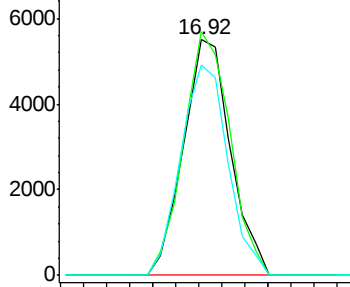
#66
 4-Bromophenyl-phenylether
 Concen: 0.831 ng
 RT: 16.92 min Scan# 2318
 Delta R.T. -0.01 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tgt Ion: 248 Resp: 7830
 Ion Ratio Lower Upper
 248 100
 250 103.3 77.4 116.0
 141 89.4 45.2 67.8#

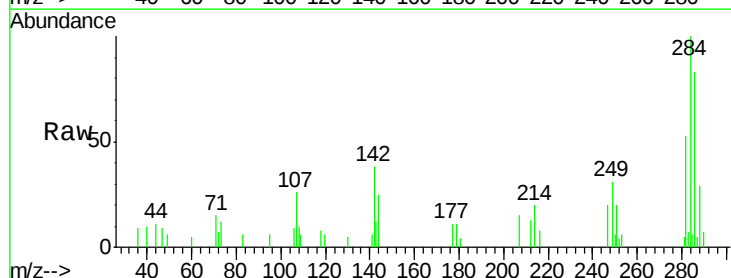


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

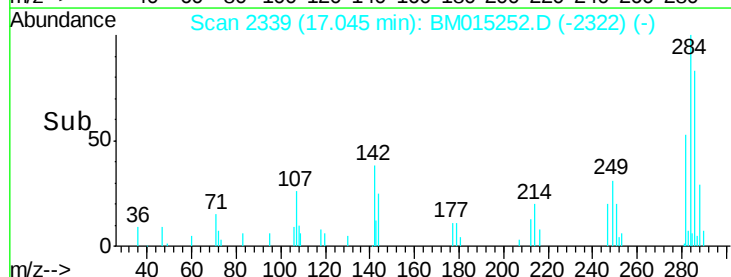
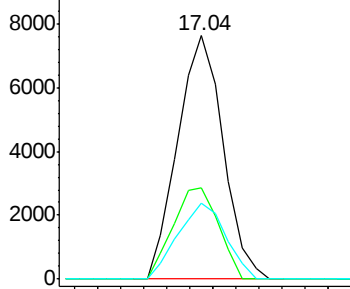


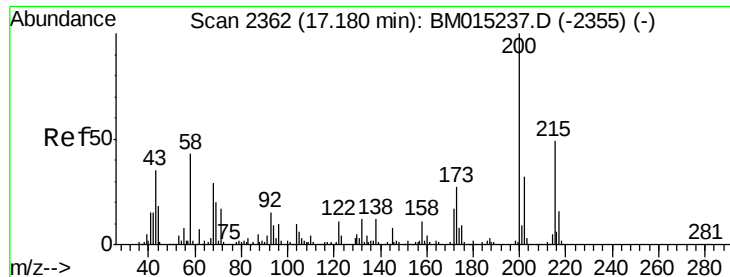
#67
 Hexachlorobenzene
 Concen: 0.965 ng
 RT: 17.04 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Tgt Ion: 284 Resp: 10476
 Ion Ratio Lower Upper
 284 100
 142 37.5 20.4 30.6#
 249 31.1 23.8 35.6



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

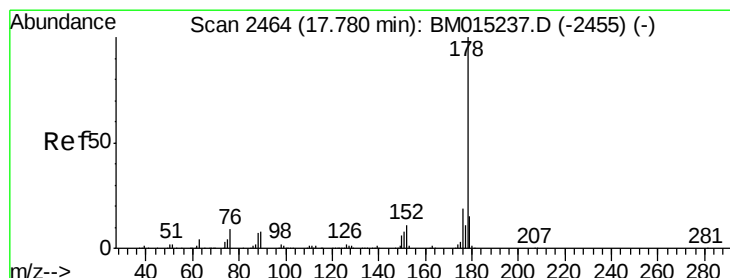
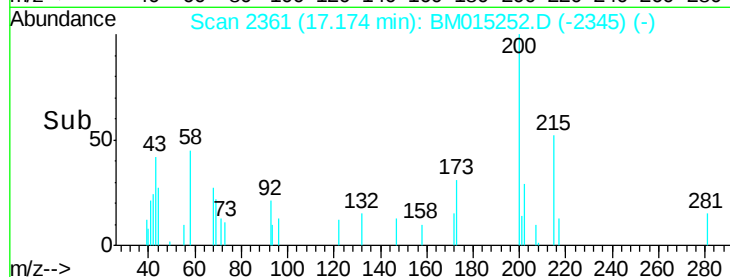
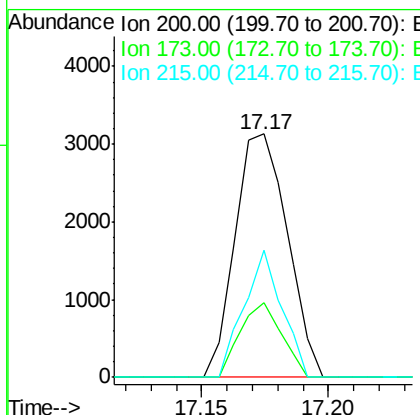
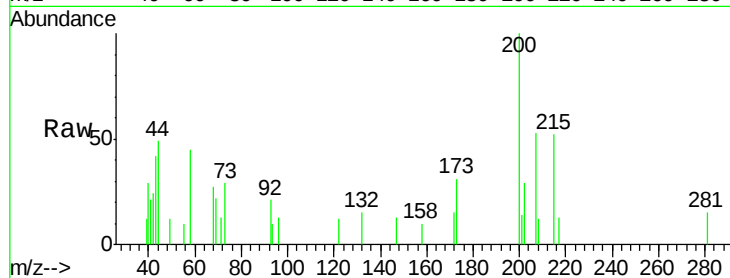




#68
 Atrazine
 Concen: 0.523 ng
 RT: 17.17 min Scan# 2361
 Delta R.T. -0.01 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

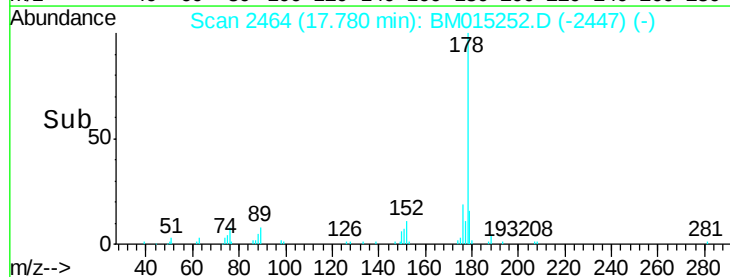
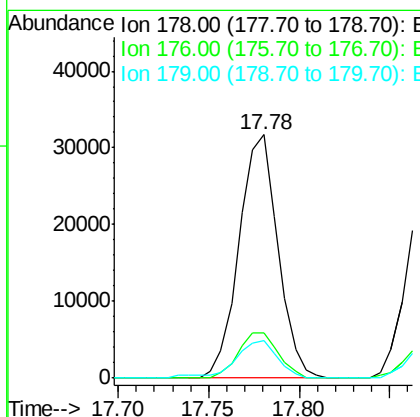
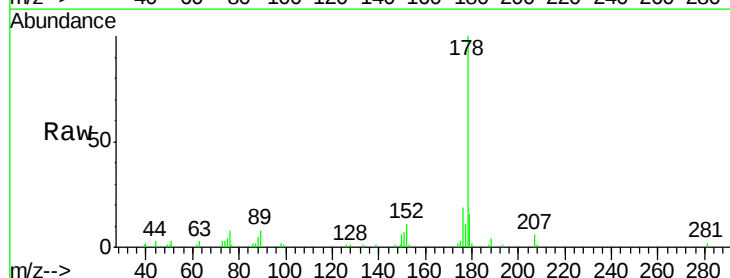
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

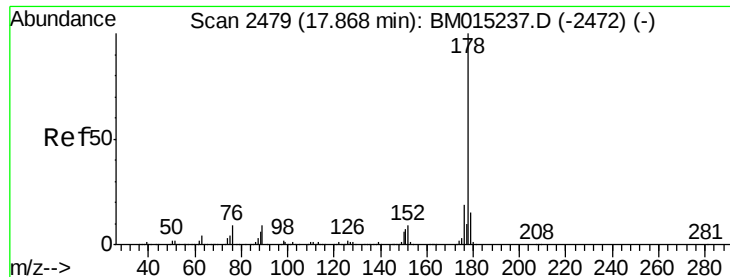
Tgt Ion	Ratio	Lower	Upper
200	100		
173	30.8	4.8	44.8
215	52.1	26.9	66.9



#70
 Phenanthrene
 Concen: 0.983 ng
 RT: 17.78 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.6	12.1	18.1

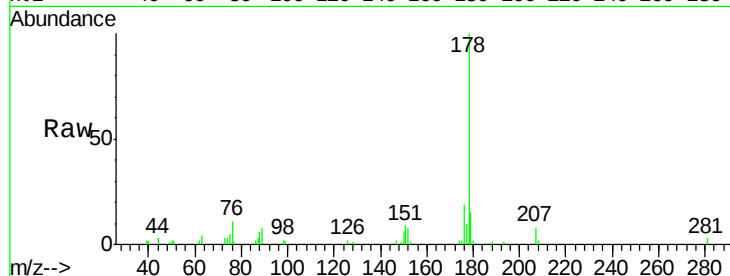




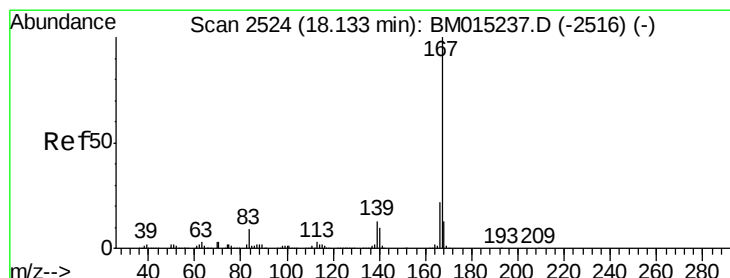
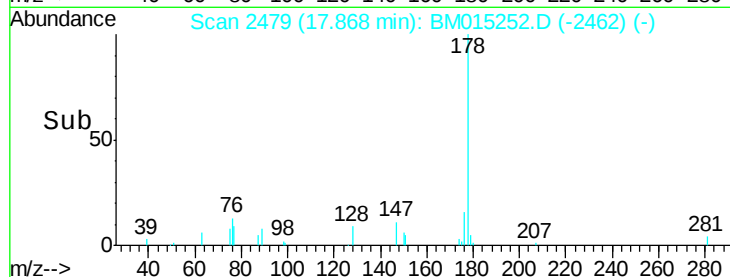
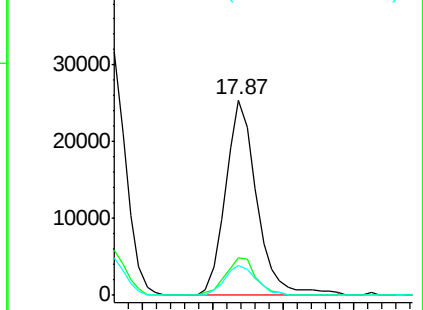
#71
 Anthracene
 Concen: 0.820 ng
 RT: 17.87 min Scan# 2479
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tgt Ion:178 Resp: 39285
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.6 22.0
 179 15.1 12.6 19.0

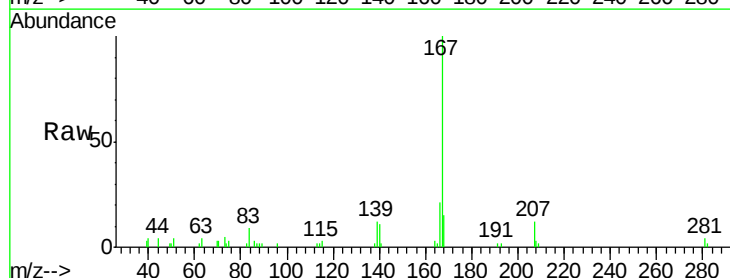


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

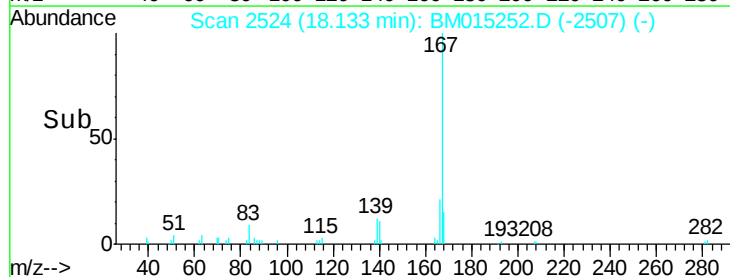
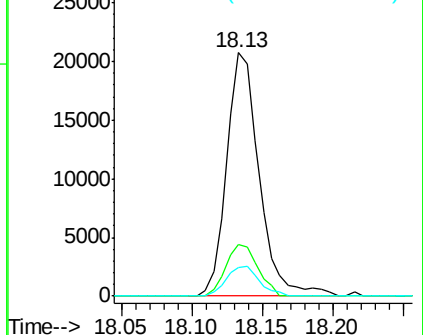


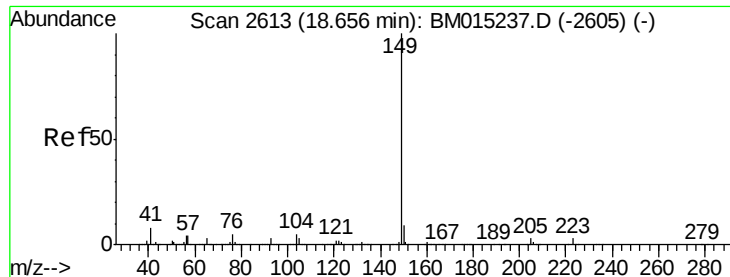
#72
 Carbazole
 Concen: 0.787 ng
 RT: 18.13 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BM015252.D
 Acq: 22 May 2018 22:26

Tgt Ion:167 Resp: 33366
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.2 25.8
 139 11.6 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

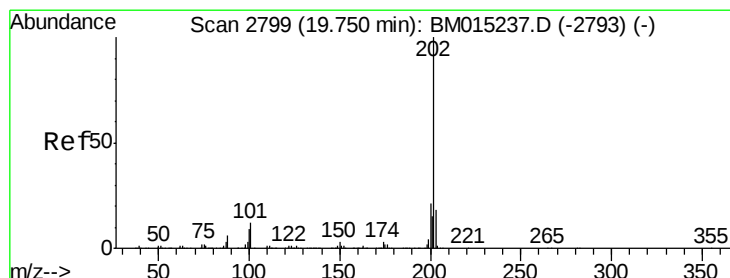
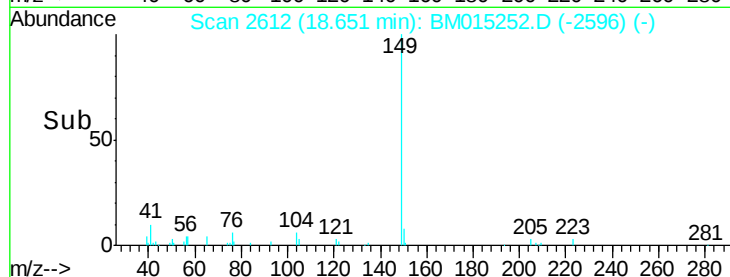
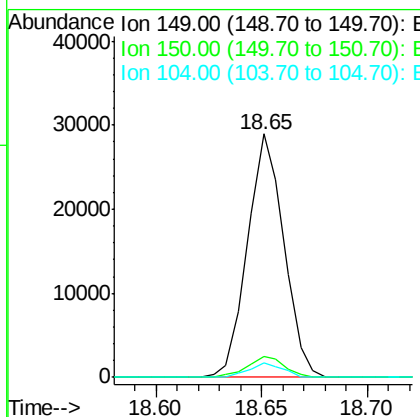
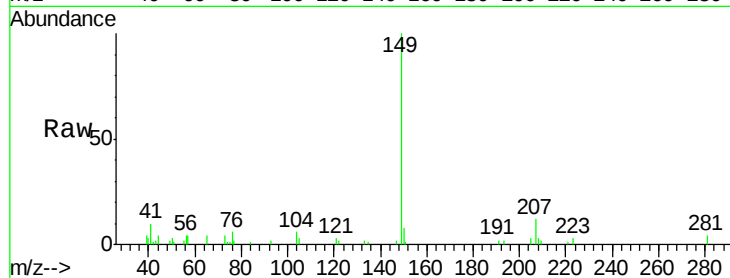




#73
Di-n-butylphthalate
Concen: 0.694 ng
RT: 18.65 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

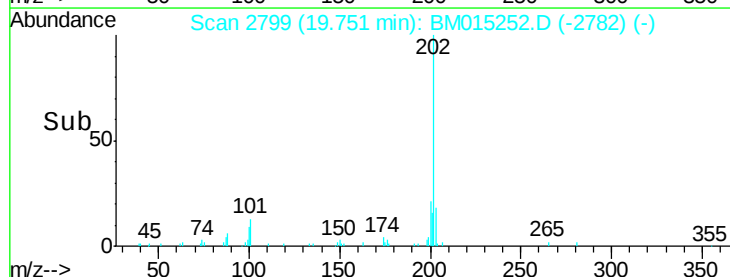
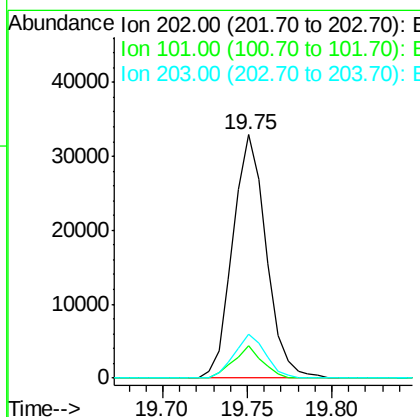
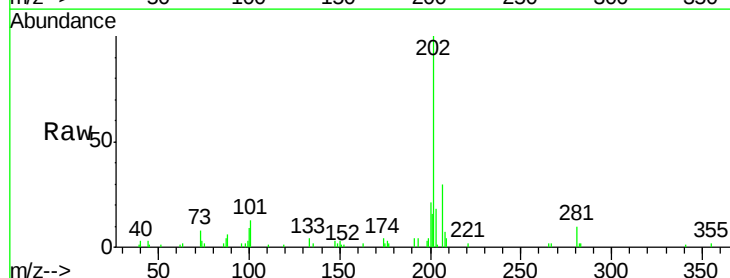
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

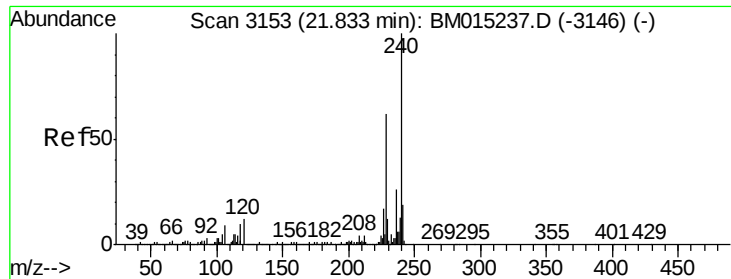
Tgt Ion:149 Resp: 34673
Ion Ratio Lower Upper
149 100
150 8.4 7.5 11.3
104 5.8 3.7 5.5#



#74
Fluoranthene
Concen: 0.862 ng
RT: 19.75 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

Tgt Ion:202 Resp: 45454
Ion Ratio Lower Upper
202 100
101 13.3 0.0 28.7
203 17.8 0.0 37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

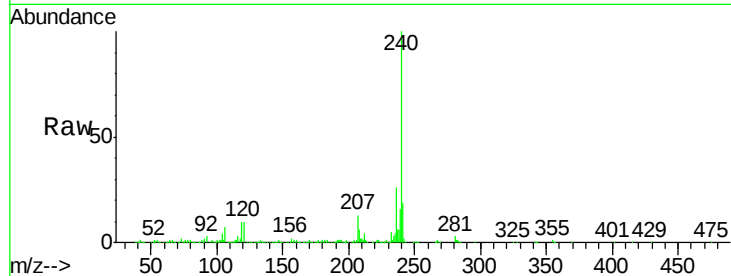
Tgt Ion:240 Resp: 829879

Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

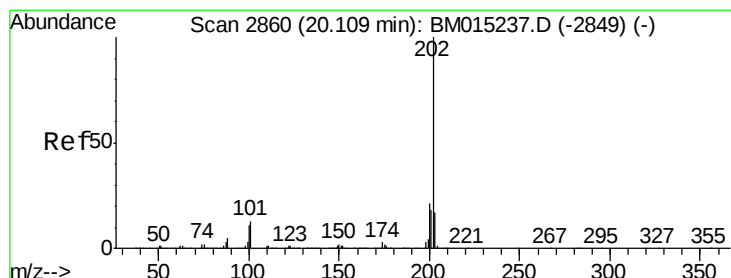
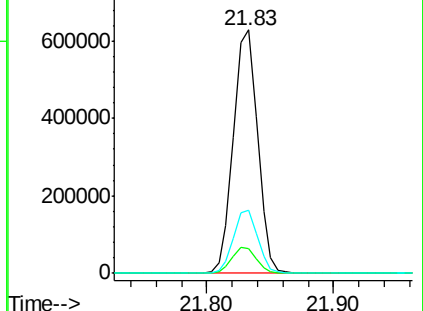
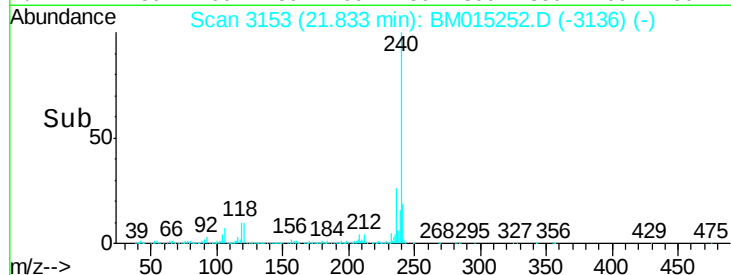
236 25.9 20.0 30.0



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



#77

Pyrene

Concen: 0.908 ng

RT: 20.11 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

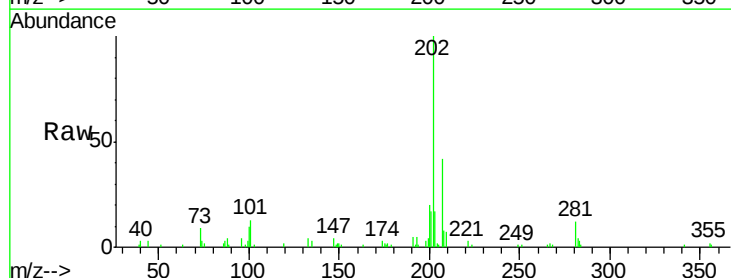
Tgt Ion:202 Resp: 47557

Ion Ratio Lower Upper

202 100

200 19.7 16.9 25.3

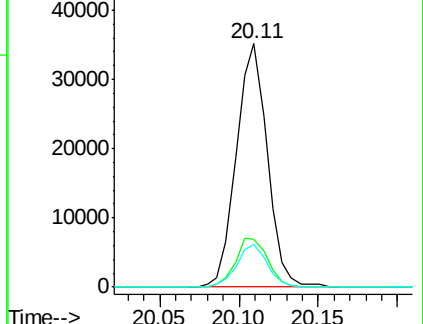
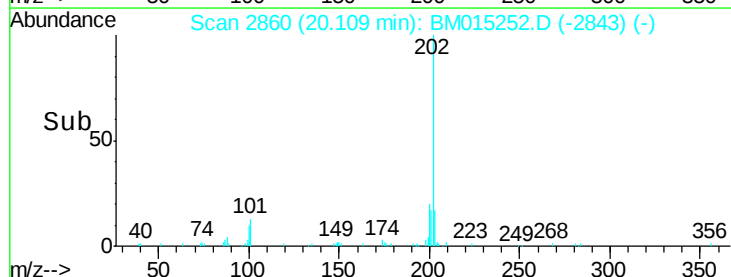
203 17.3 14.1 21.1

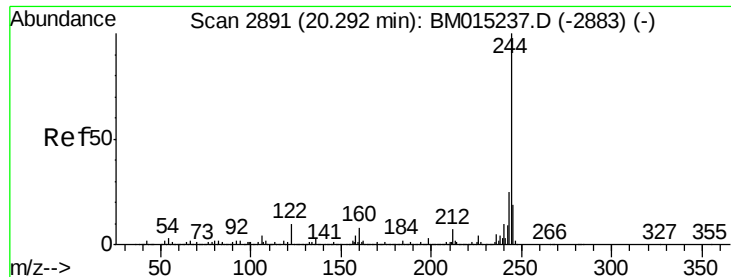


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 92.642 ng

RT: 20.29 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

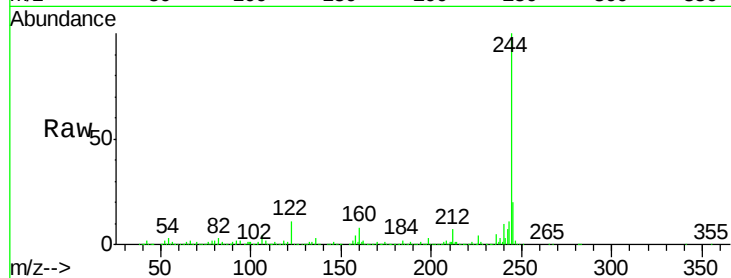
Tgt Ion:244 Resp: 3481618

Ion Ratio Lower Upper

244 100

212 7.4 4.9 7.3#

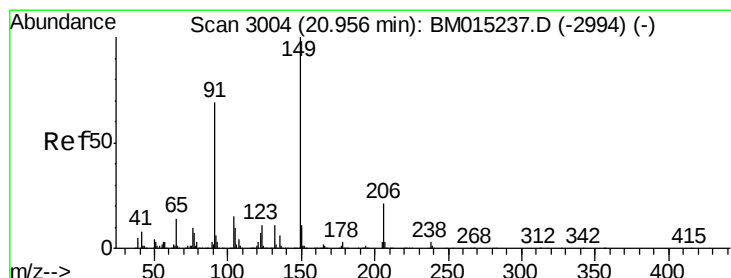
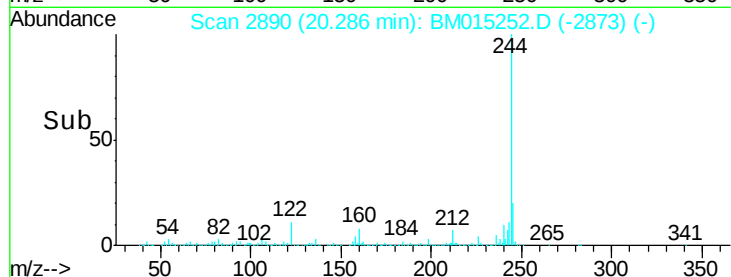
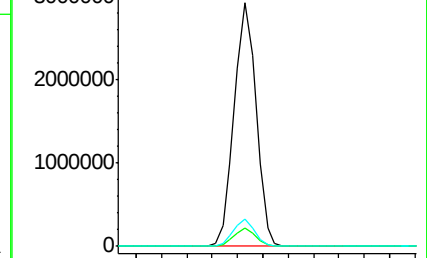
122 11.1 6.2 9.4#



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



#79

Butylbenzylphthalate

Concen: 0.682 ng

RT: 20.95 min Scan# 3003

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

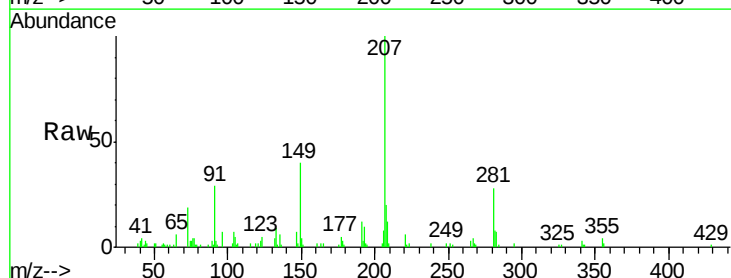
Tgt Ion:149 Resp: 14580

Ion Ratio Lower Upper

149 100

91 70.9 50.1 75.1

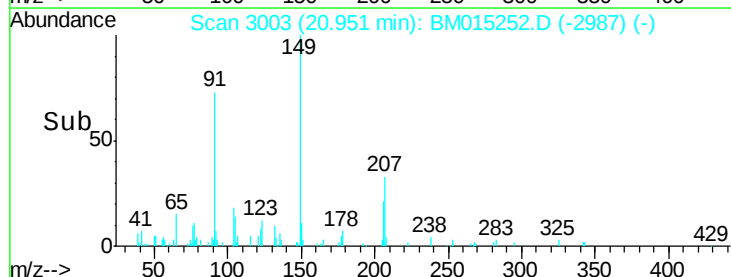
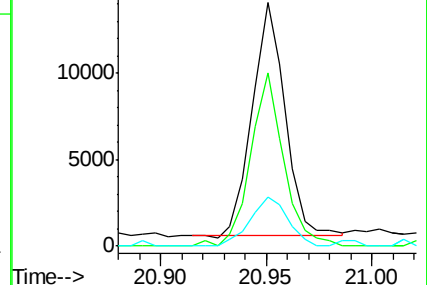
206 20.1 16.2 24.2

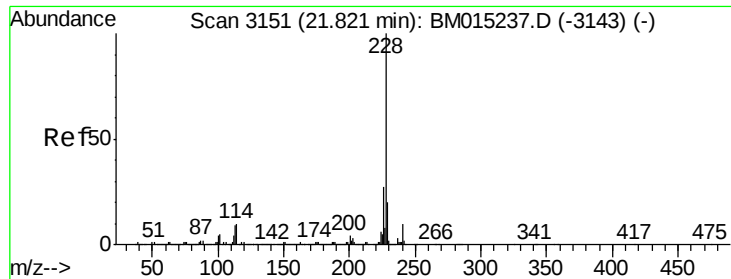


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.929 ng

RT: 21.82 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

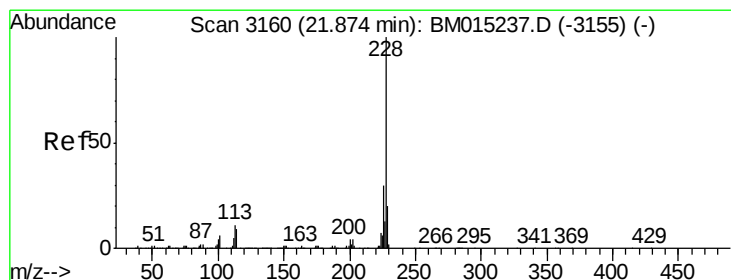
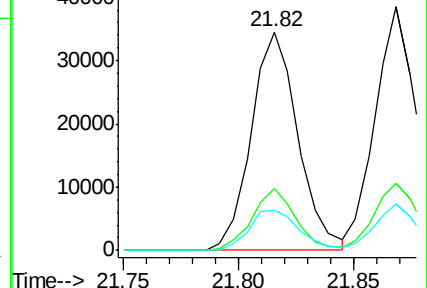
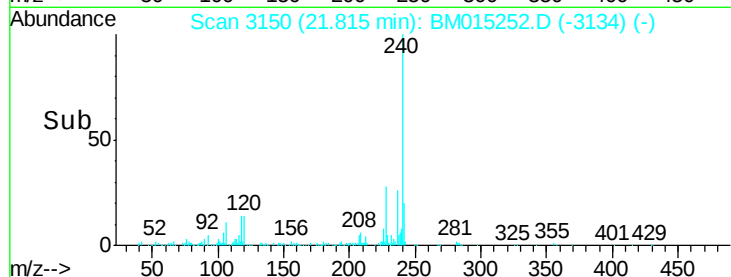
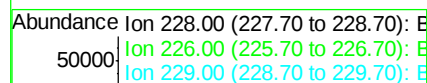
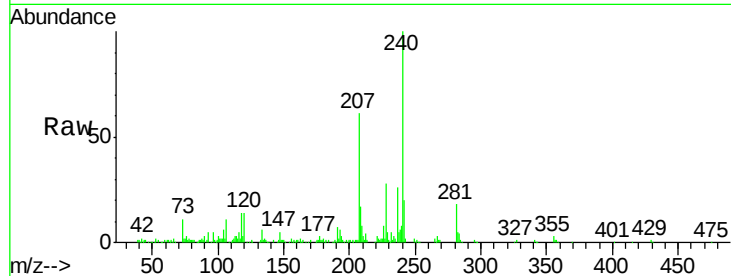
Tgt Ion:228 Resp: 48559

Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

229 18.6 16.0 24.0



#82

Chrysene

Concen: 1.000 ng

RT: 21.87 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

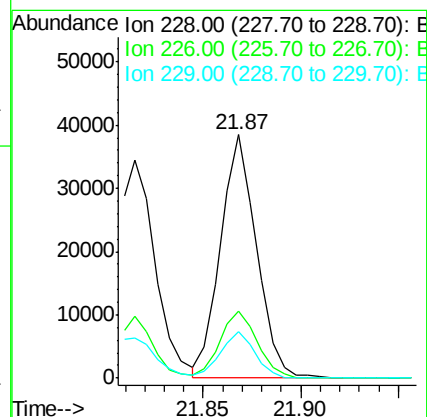
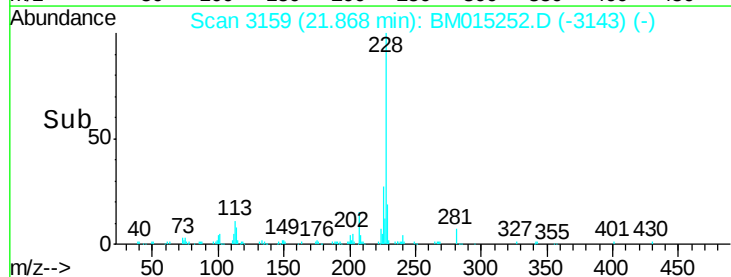
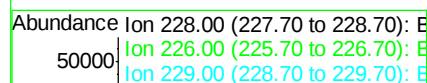
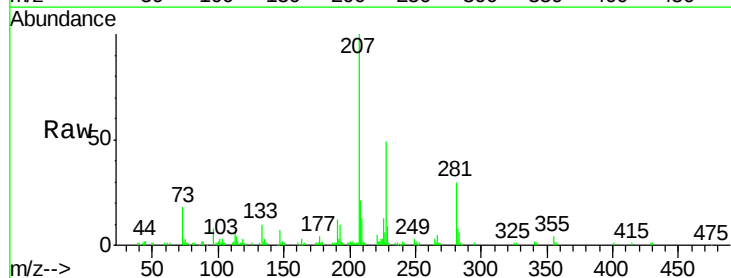
Tgt Ion:228 Resp: 49254

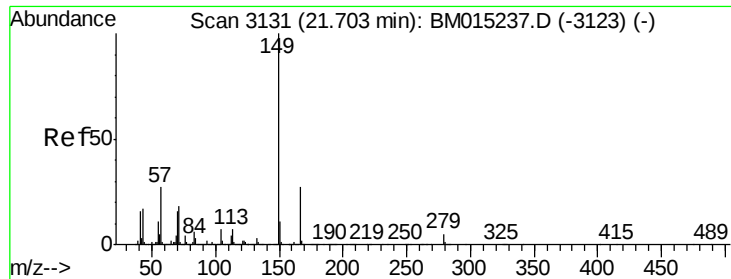
Ion Ratio Lower Upper

228 100

226 27.3 24.1 36.1

229 19.1 15.5 23.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.649 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

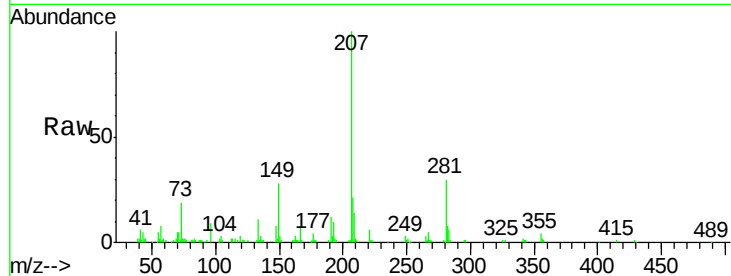
Tgt Ion:149 Resp: 20191

Ion Ratio Lower Upper

149 100

167 25.8 22.4 33.6

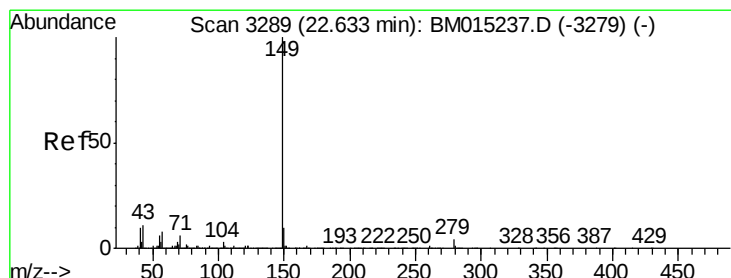
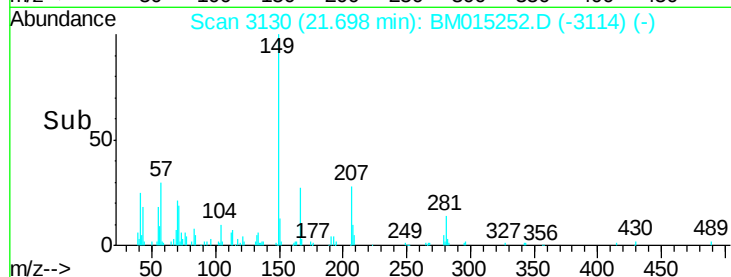
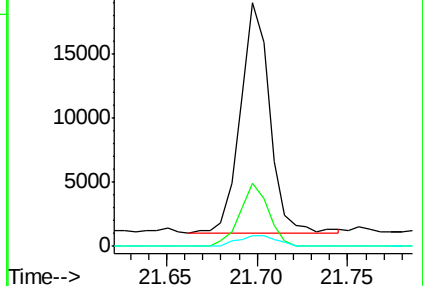
279 4.5 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.598 ng

RT: 22.63 min Scan# 3289

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

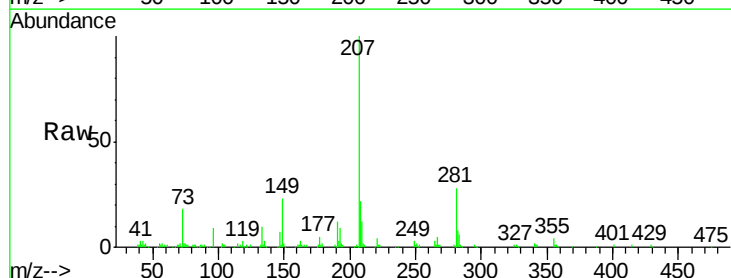
Tgt Ion:149 Resp: 32540

Ion Ratio Lower Upper

149 100

167 2.3 1.2 1.8#

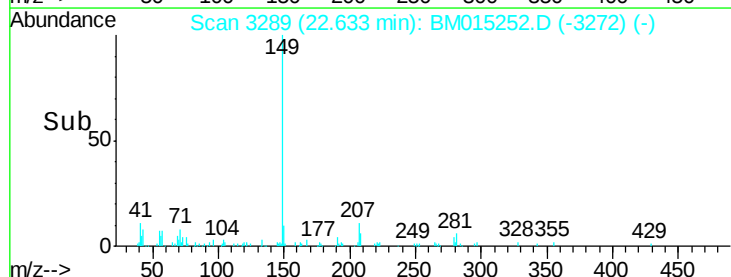
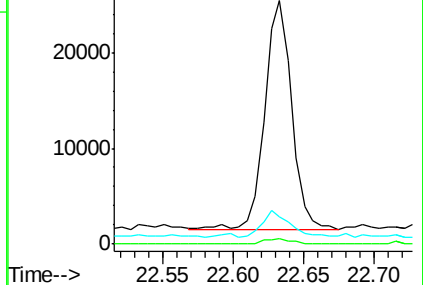
43 12.2 7.3 10.9#

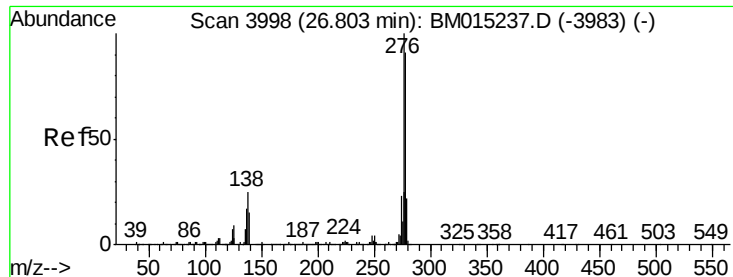


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0

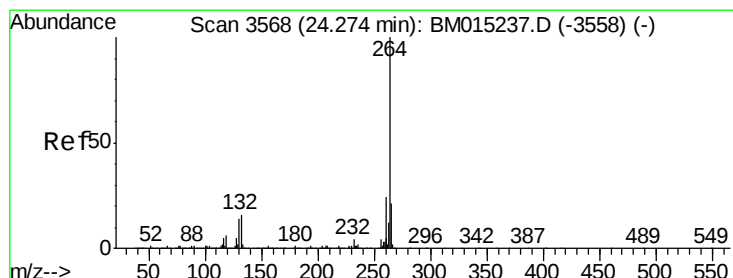
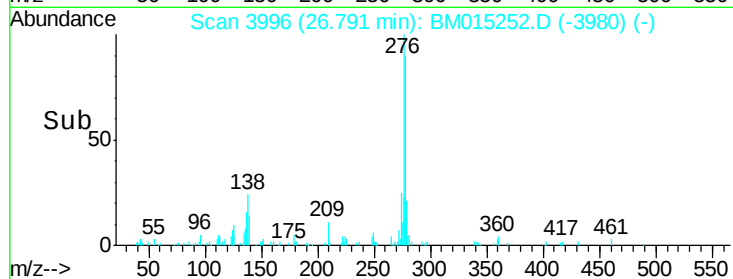
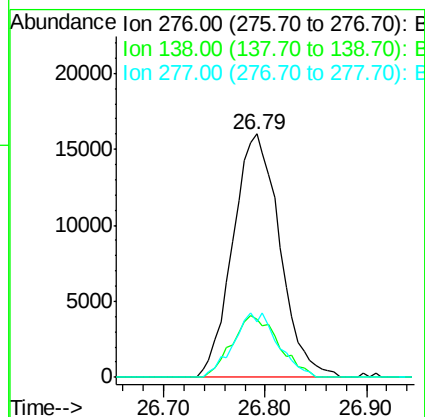
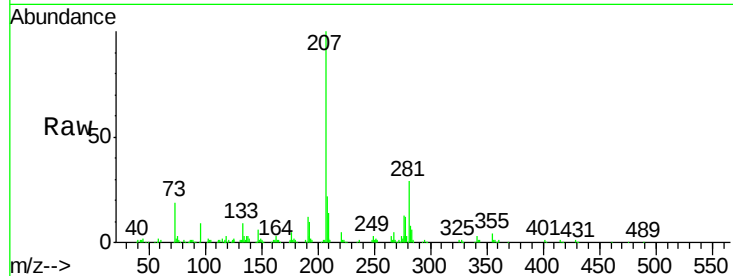




#85
Indeno(1,2,3-cd)pyrene
Concen: 0.865 ng
RT: 26.79 min Scan# 3996
Delta R.T. -0.01 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

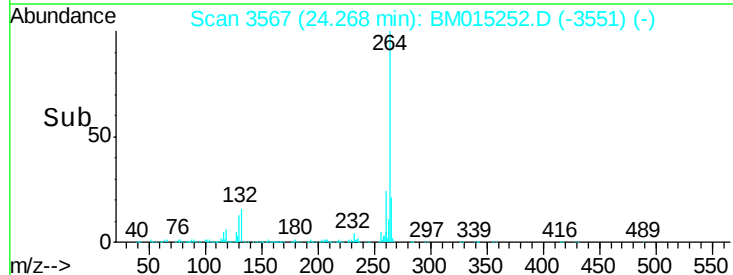
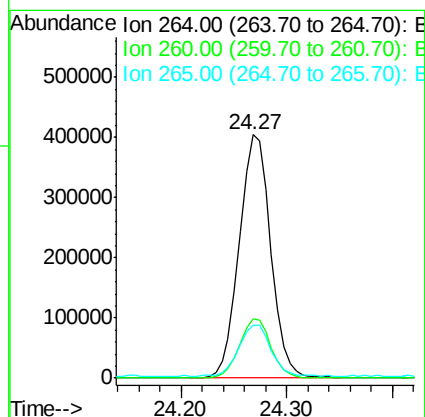
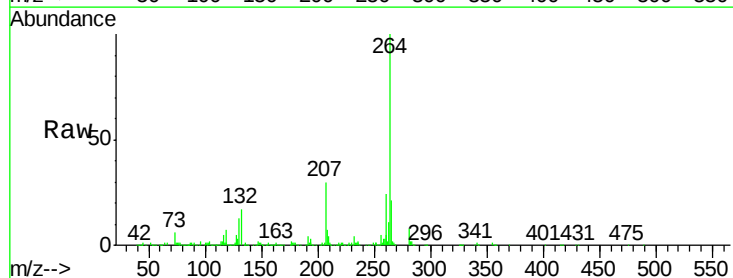
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

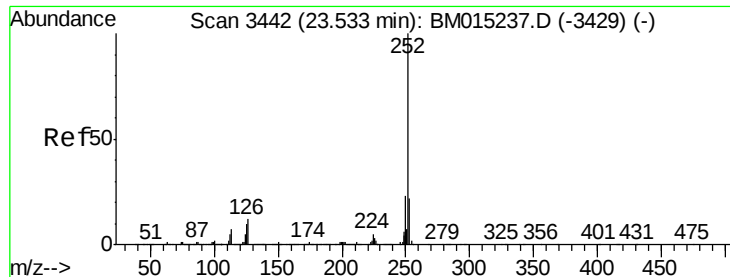
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	12.0	18.0#
277	25.0	20.0	30.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.27 min Scan# 3567
Delta R.T. -0.01 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	21.5	17.3	25.9

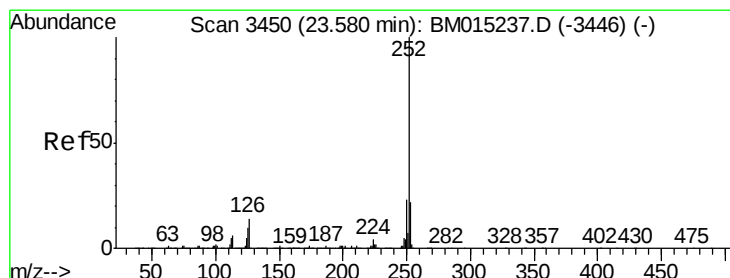
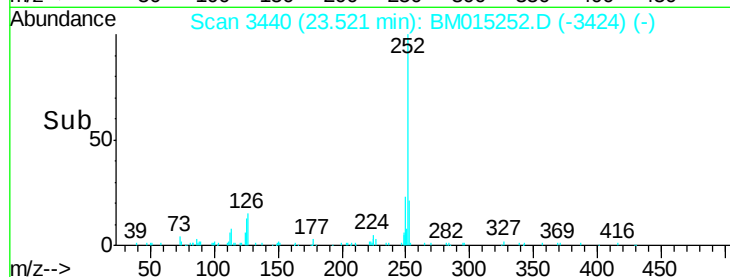
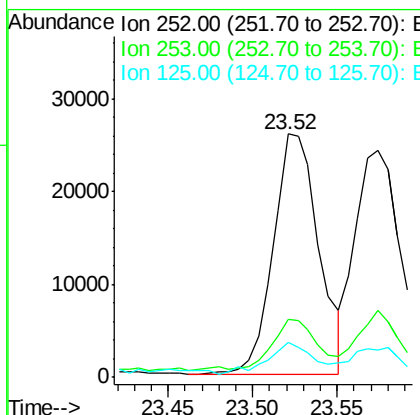
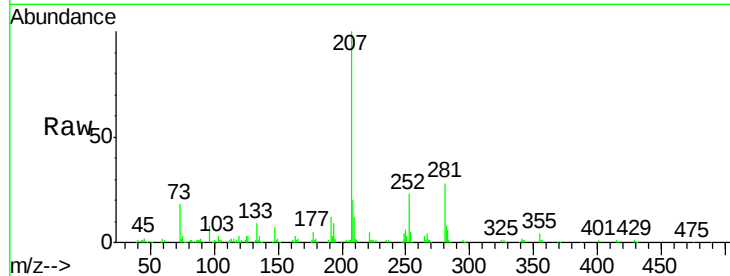




#87
Benzo(b)fluoranthene
Concen: 0.914 ng
RT: 23.52 min Scan# 3440
Delta R.T. -0.01 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

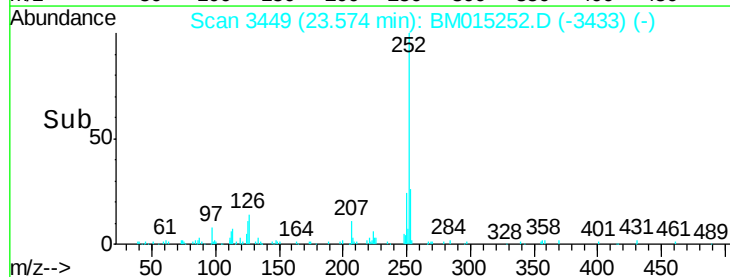
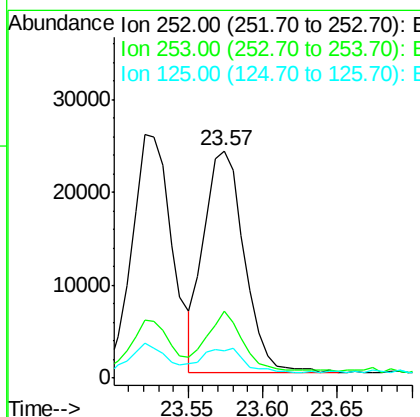
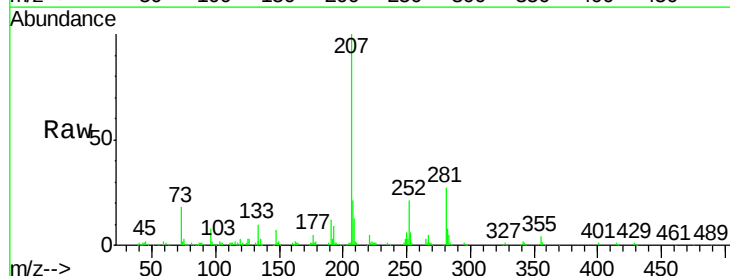
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

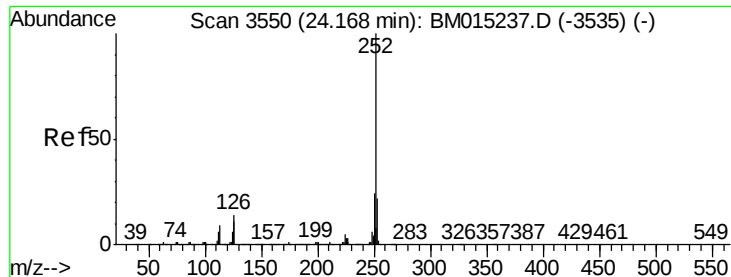
Tgt Ion:252 Resp: 48471
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 14.2 9.9 14.9



#88
Benzo(k)fluoranthene
Concen: 0.897 ng
RT: 23.57 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM015252.D
Acq: 22 May 2018 22:26

Tgt Ion:252 Resp: 44972
Ion Ratio Lower Upper
252 100
253 29.6 17.2 25.8#
125 12.1 8.1 12.1#





#89

Benzo(a)pyrene

Concen: 0.832 ng

RT: 24.16 min Scan# 3549

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

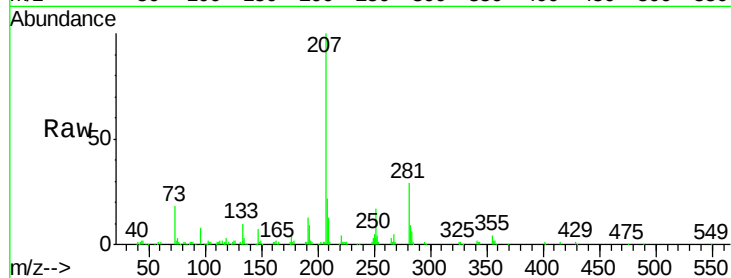
Tgt Ion:252 Resp: 41142

Ion Ratio Lower Upper

252 100

253 26.0 17.6 26.4

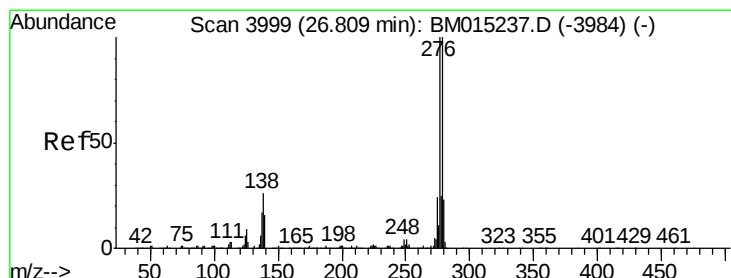
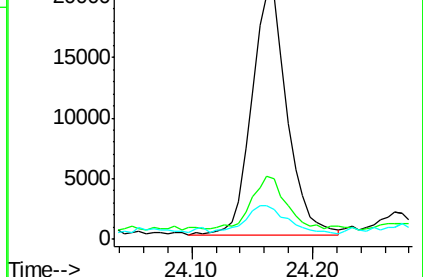
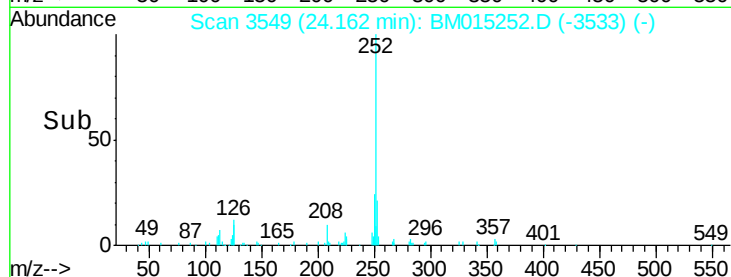
125 13.7 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.887 ng

RT: 26.79 min Scan# 3996

Delta R.T. -0.01 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

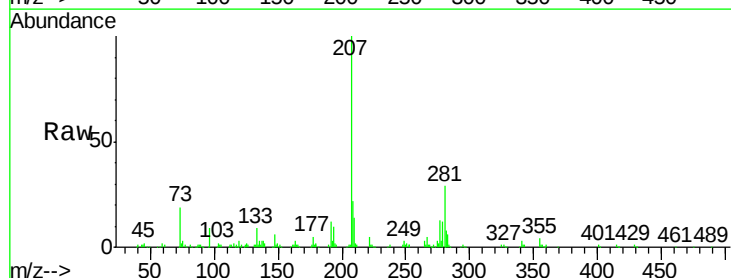
Tgt Ion:278 Resp: 44752

Ion Ratio Lower Upper

278 100

139 15.1 13.4 20.0

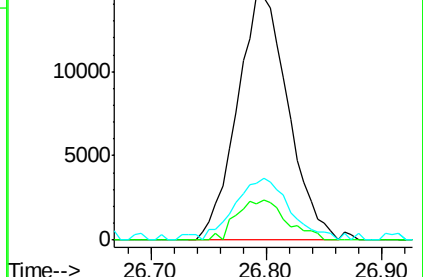
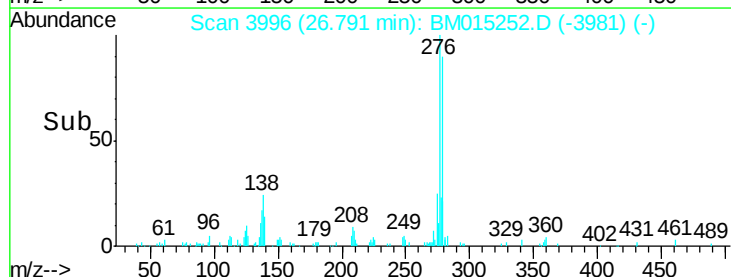
279 23.4 19.0 28.4

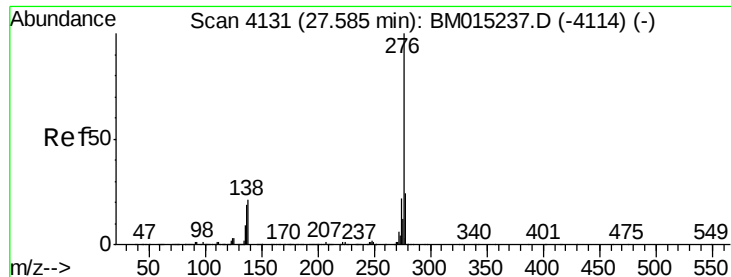


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 0.891 ng

RT: 27.57 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BM015252.D

Acq: 22 May 2018 22:26

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

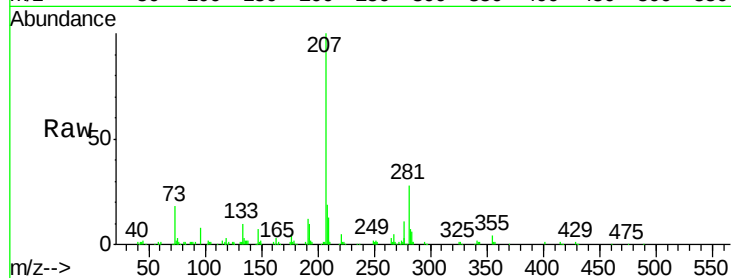
Tgt Ion: 276 Resp: 43774

Ion Ratio Lower Upper

276 100

277 23.8 18.5 27.7

138 20.7 19.0 28.6

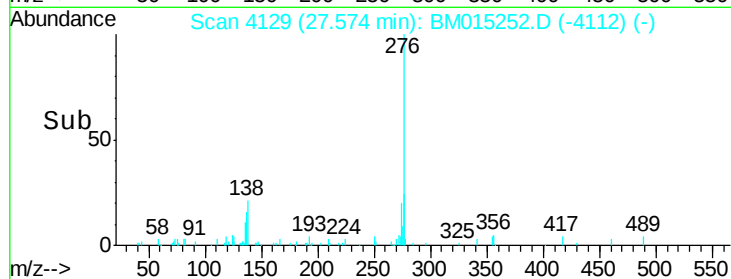
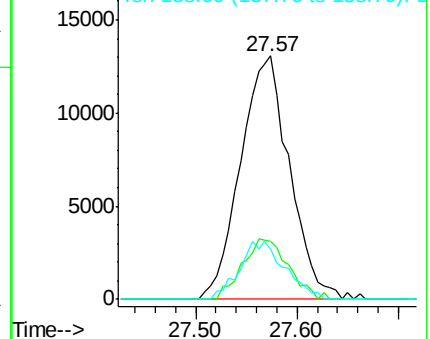


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
 Data File : BM015252.D
 Acq On : 22 May 2018 22:26
 Operator : SJ/JU
 Sample : J2133-07
 Misc : LOD 1 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Quant Time: May 23 14:24:52 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 22 15:47:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	198652	20.00	ng	0.00
21) Naphthalene-d8	11.25	136	788740	20.00	ng	0.00
38) Acenaphthene-d10	15.02	164	404521	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	843656	20.00	ng	0.00
75) Chrysene-d12	21.83	240	829879	20.00	ng	0.00
86) Perylene-d12	24.27	264	838037	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.89	112	1652052	136.06	ng	0.00
7) Phenol-d6	7.55	99	2091775	132.30	ng	0.00
23) Nitrobenzene-d5	9.59	82	1201690	83.46	ng	0.00
41) 2,4,6-Tribromophenol	16.49	330	715727	141.10	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	2667103	81.96	ng	0.00
78) Terphenyl-d14	20.29	244	3481618	92.64	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.73	93	16116	0.827	ng	95
8) 2-Chlorophenol	7.96	128	13219	0.965	ng	88
9) Benzaldehyde	7.55	77	10014	1.001	ng	# 52
10) Phenol	7.57	94	15496	0.965	ng	# 67
11) bis(2-Chloroethyl)ether	7.82	93	12006	0.943	ng	94
12) 1,3-Dichlorobenzene	8.30	146	15312	0.980	ng	96
13) 1,4-Dichlorobenzene	8.45	146	15724	0.995	ng	# 95
14) 1,2-Dichlorobenzene	8.76	146	15379	1.026	ng	# 93
15) Benzyl Alcohol	8.66	79	8572	0.750	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.94	45	20158	1.003	ng	99
18) Hexachloroethane	9.50	117	4981	0.888	ng	90
24) Nitrobenzene	9.63	77	15571	1.039	ng	97
31) Naphthalene	11.29	128	40905	0.998	ng	98
34) Hexachlorobutadiene	11.56	225	8462	1.046	ng	96
37) 2-Methylnaphthalene	12.87	142	24868	0.875	ng	98
39) 1,2,4,5-Tetrachlorobenzene	13.23	216	14010	0.983	ng	# 100
45) 1,1'-Biphenyl	13.86	154	40301	1.139	ng	97
46) 2-Chloronaphthalene	13.91	162	26614	0.977	ng	94
47) 2-Nitroaniline	14.12	65	4667	0.601	ng	# 74
48) Acenaphthylene	14.75	152	32908	0.813	ng	98
49) Dimethylphthalate	14.46	163	29840	0.924	ng	# 95
50) 2,6-Dinitrotoluene	14.59	165	4147	0.616	ng	93
51) Acenaphthene	15.08	154	25586	1.015	ng	92
54) Dibenzofuran	15.41	168	39088	0.984	ng	98
57) Fluorene	16.05	166	28211	0.898	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.63	232	4397	0.555	ng	# 100
59) Diethylphthalate	15.80	149	27226	0.856	ng	98
62) Azobenzene	16.33	77	20760	0.687	ng	90
65) n-Nitrosodiphenylamine	16.25	169	22254	0.821	ng	98
66) 4-Bromophenyl-phenylether	16.92	248	7830	0.831	ng	# 79
67) Hexachlorobenzene	17.04	284	10476	0.965	ng	# 88
68) Atrazine	17.17	200	4499	0.523	ng	91
70) Phenanthrene	17.78	178	47233	0.983	ng	99
71) Anthracene	17.87	178	39285	0.820	ng	98

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
 Data File : BM015252.D
 Acq On : 22 May 2018 22:26
 Operator : SJ/JU
 Sample : J2133-07
 Misc : LOD 1 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Quant Time: May 23 14:24:52 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 22 15:47:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Carbazole	18.13	167	33366	0.787	ng	98
73) Di-n-butylphthalate	18.65	149	34673	0.694	ng #	97
74) Fluoranthene	19.75	202	45454	0.862	ng	95
77) Pyrene	20.11	202	47557	0.908	ng	98
79) Butylbenzylphthalate	20.95	149	14580	0.682	ng	92
80) Benzo(a)anthracene	21.82	228	48559	0.929	ng	97
82) Chrysene	21.87	228	49254	1.000	ng	97
83) Bis(2-ethylhexyl)phthalate	21.70	149	20191	0.649	ng	96
84) Di-n-octyl phthalate	22.63	149	32540	0.598	ng #	92
85) Indeno(1,2,3-cd)pyrene	26.79	276	51555	0.865	ng #	91
87) Benzo(b)fluoranthene	23.52	252	48471	0.914	ng	96
88) Benzo(k)fluoranthene	23.57	252	44972	0.897	ng #	87
89) Benzo(a)pyrene	24.16	252	41142	0.832	ng #	91
90) Dibenzo(a,h)anthracene	26.79	278	44752	0.887	ng	98
91) Benzo(g,h,i)perylene	27.57	276	43774	0.891	ng	96

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