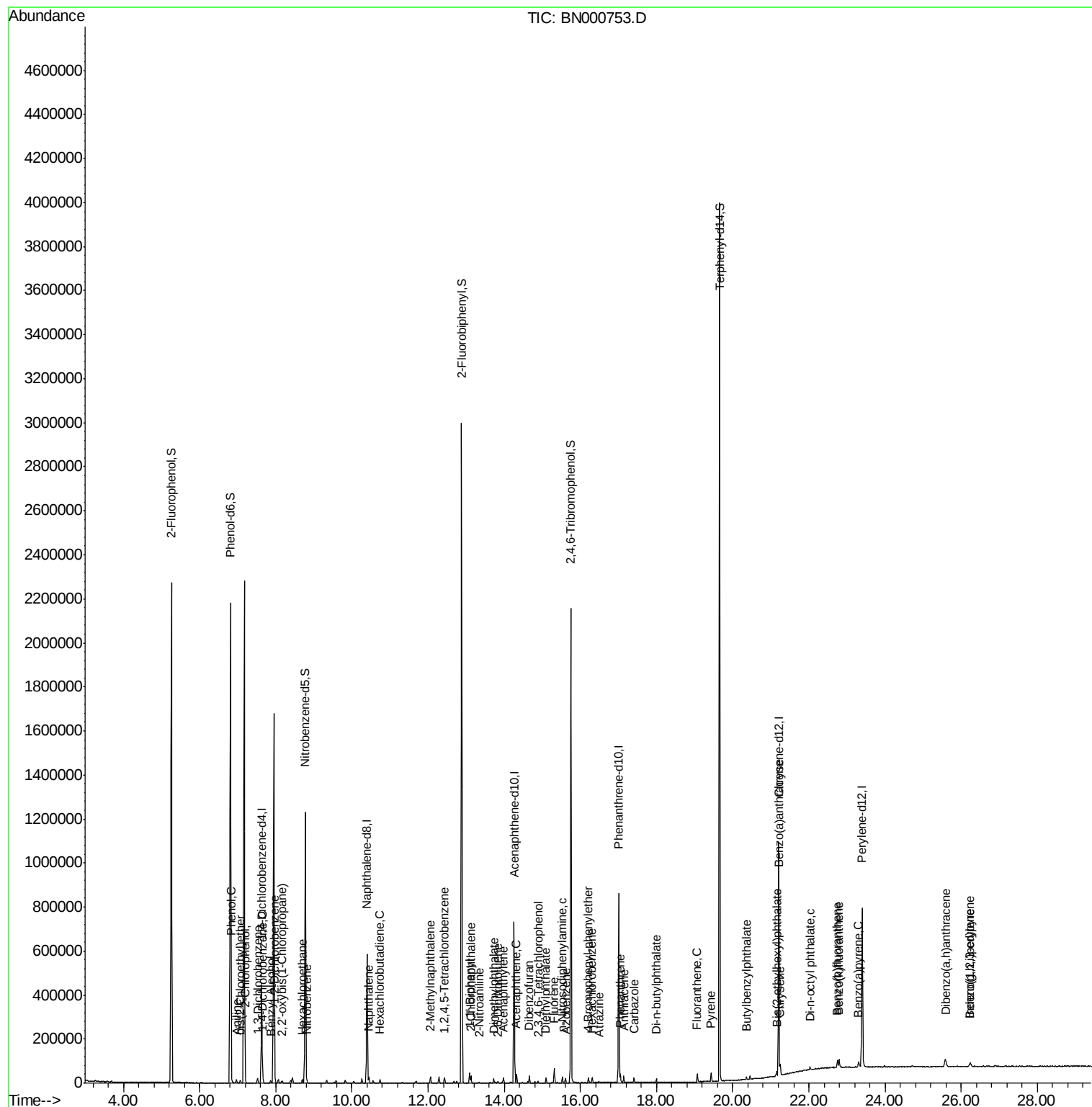
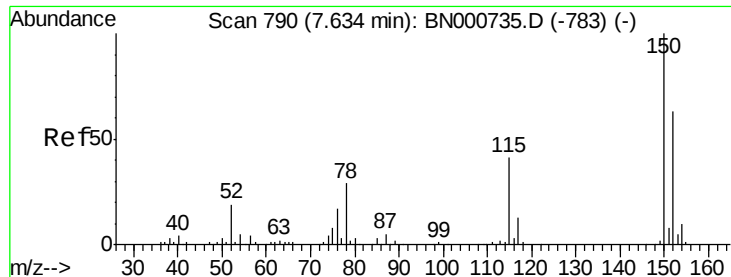


Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
Data File : BN000753.D
Acq On : 18 Apr 2018 23:07
Operator : JU/SJ
Sample : J2133-07
Misc : 1PPM LOD
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Apr 19 07:05:28 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 18 16:58:01 2018
Response via : Initial Calibration



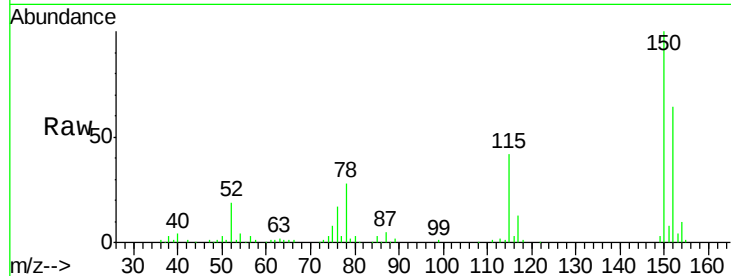


#1

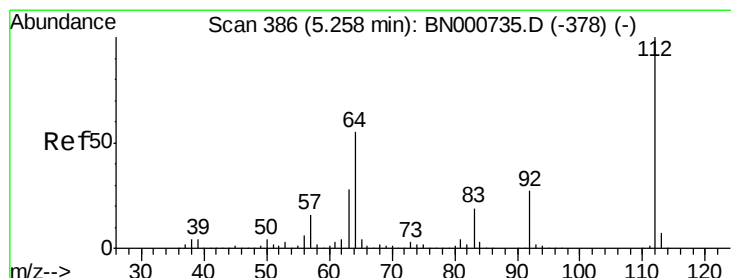
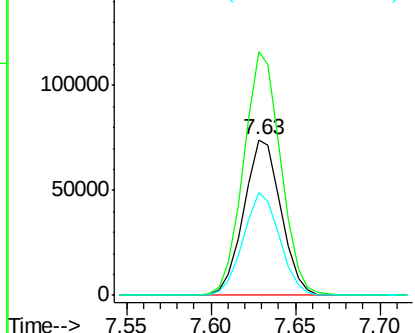
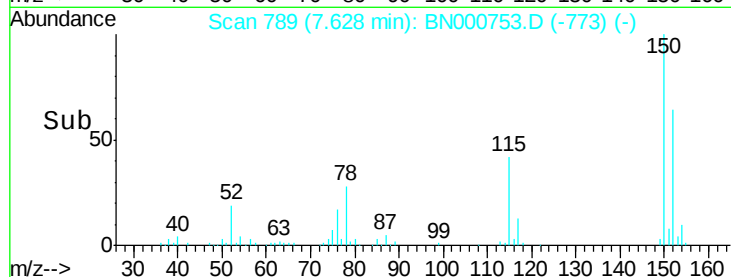
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.63 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

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

Tot Ion:152 Resp: 113151
 Ion Ratio Lower Upper
 152 100
 150 156.5 126.6 189.8
 115 66.2 53.0 79.4



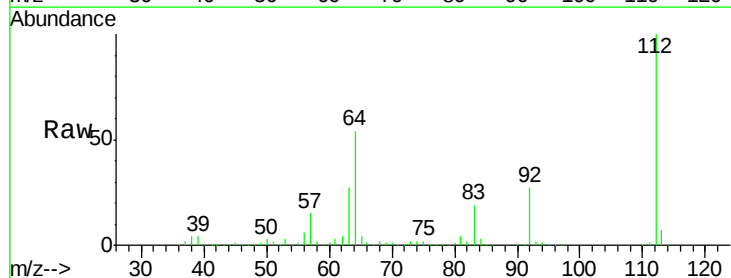
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



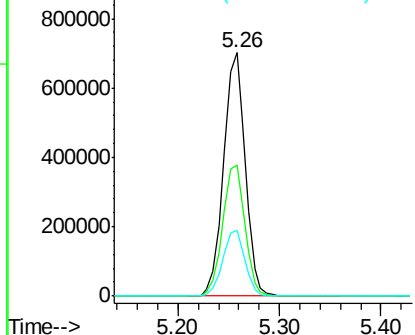
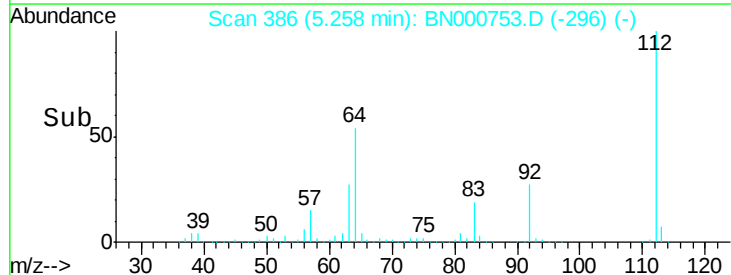
#5

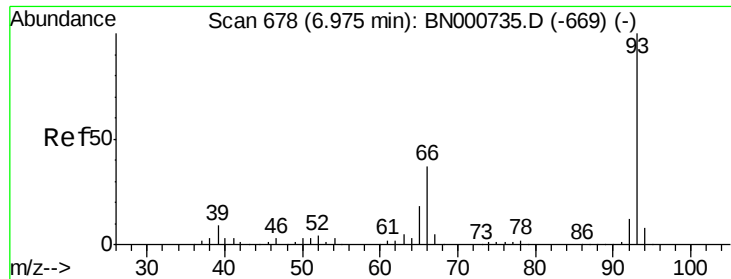
2-Fluorophenol
 Concen: 136.185 ng
 RT: 5.26 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

Tgt Ion:112 Resp: 1037338
 Ion Ratio Lower Upper
 112 100
 64 53.8 56.3 84.5#
 63 26.8 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BNC
 Ion 63.00 (62.70 to 63.70): BNC





#6

Aniline

Concen: 0.801 ng

RT: 6.98 min Scan# 678

Delta R.T. -0.00 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

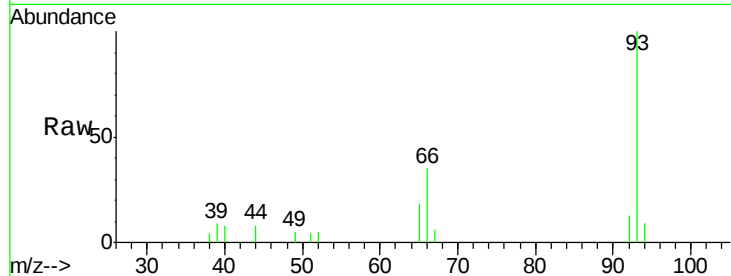
Tot Ion: 93 Resp: 11028

Ion Ratio Lower Upper

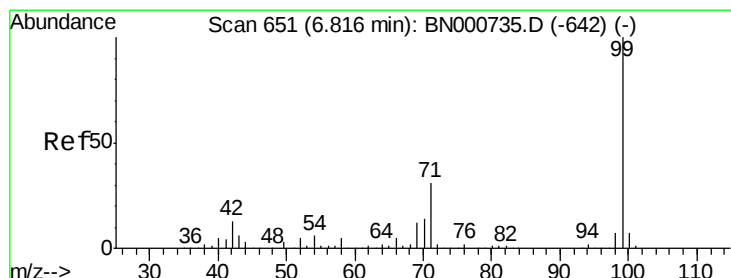
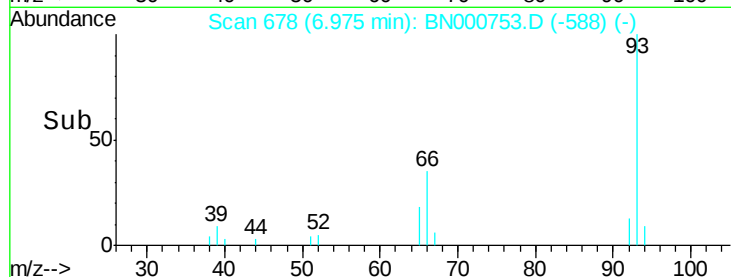
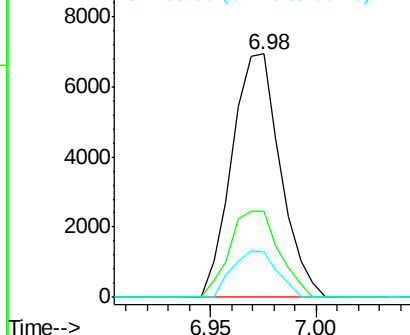
93 100

66 35.3 33.7 50.5

65 18.5 16.1 24.1



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 66.00 (65.70 to 66.70): BN0
Ion 65.00 (64.70 to 65.70): BN0



#7

Phenol-d6

Concen: 130.029 ng

RT: 6.81 min Scan# 650

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

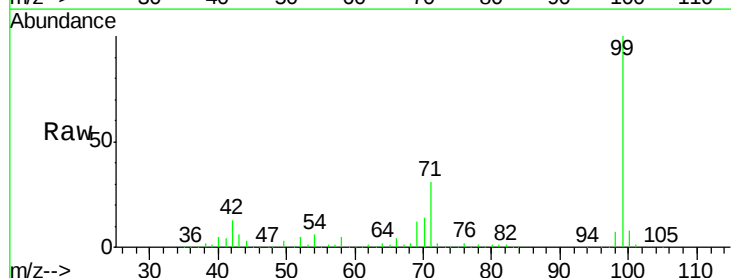
Tgt Ion: 99 Resp: 1349714

Ion Ratio Lower Upper

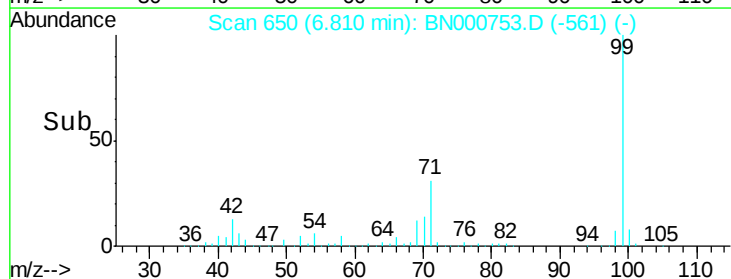
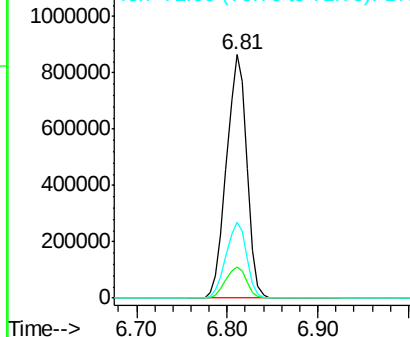
99 100

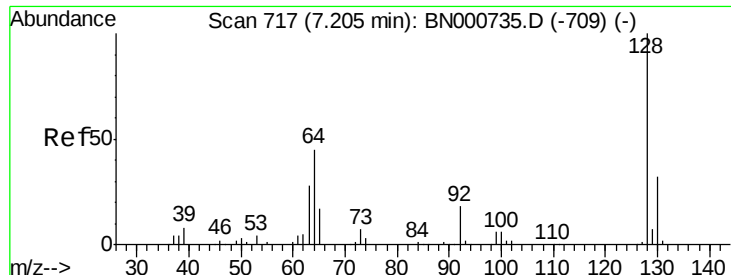
42 12.9 14.1 21.1#

71 31.4 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0





#8

2-Chlorophenol

Concen: 1.001 ng

RT: 7.20 min Scan# 716

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

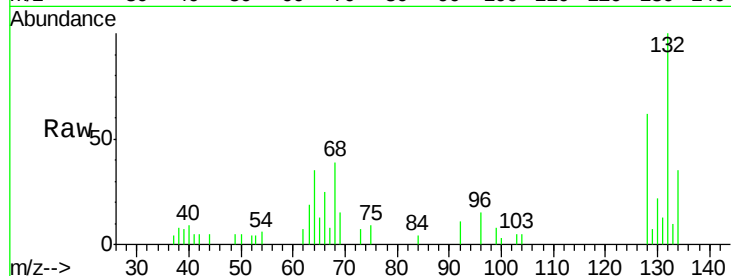
Tot Ion:128 Resp: 7889

Ion Ratio Lower Upper

128 100

130 35.8 14.0 54.0

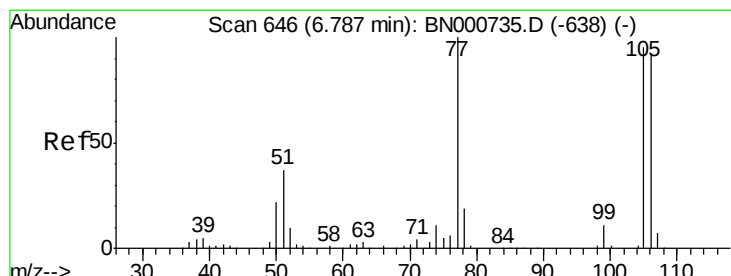
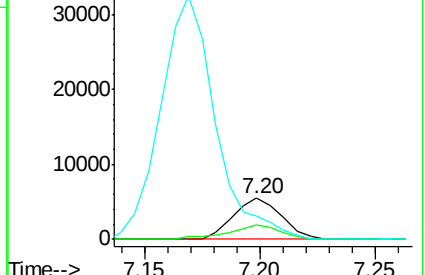
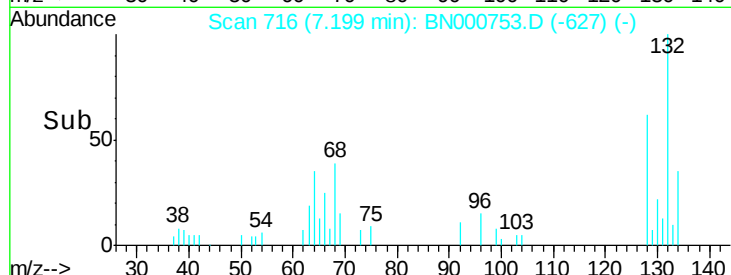
64 57.0 37.7 77.7



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): BNC



#9

Benzaldehyde

Concen: Below Cal

RT: 6.79 min Scan# 647

Delta R.T. 0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

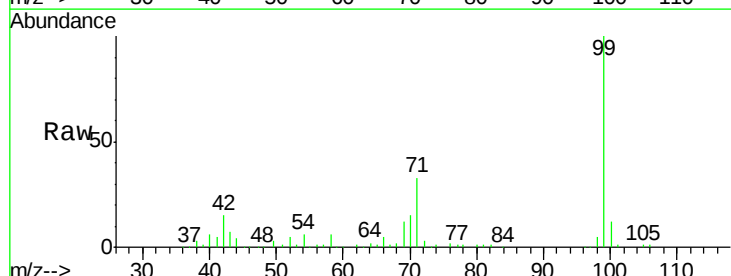
Tgt Ion: 77 Resp: 5263

Ion Ratio Lower Upper

77 100

105 86.0 71.3 111.3

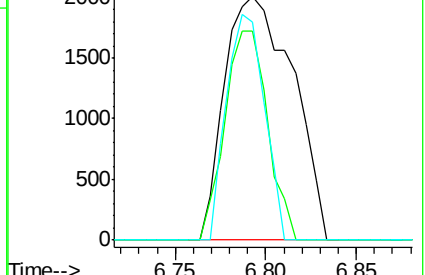
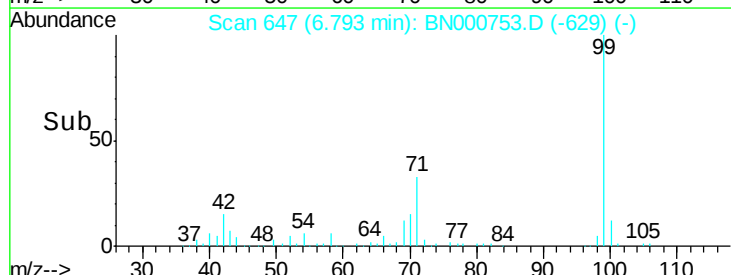
106 89.6 64.2 104.2

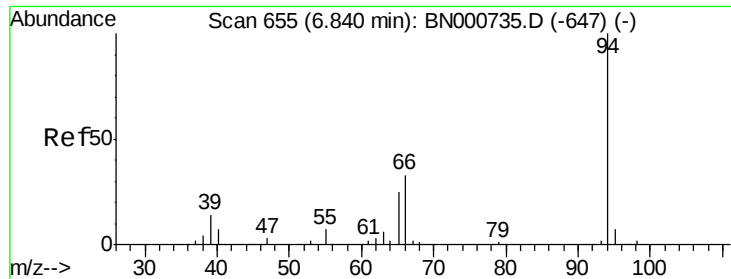


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.956 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

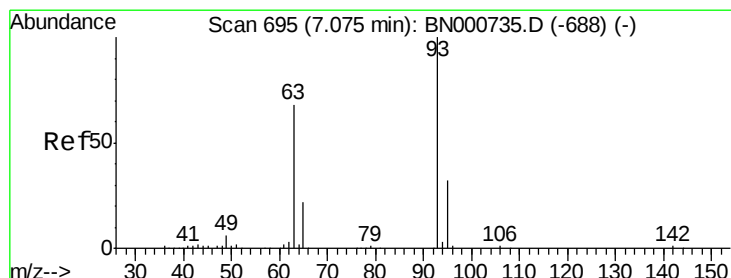
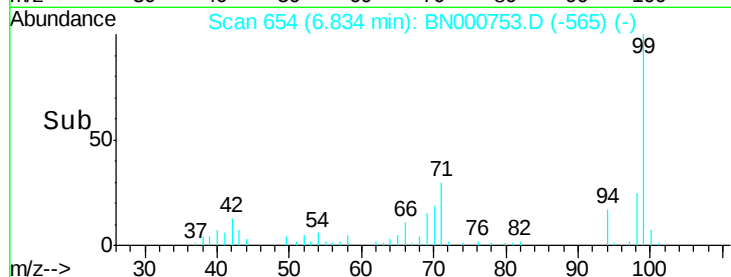
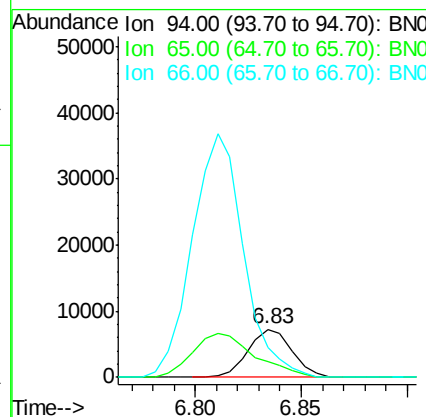
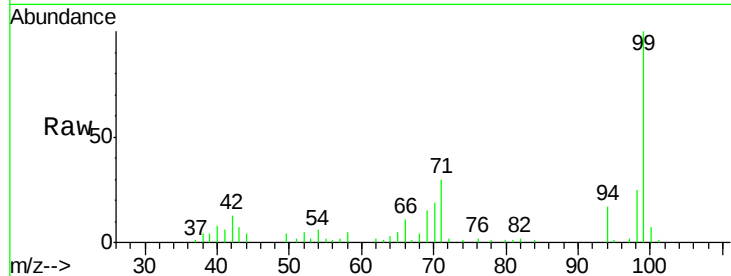
Tot Ion: 94 Resp: 10458

Ion Ratio Lower Upper

94 100

65 32.0 11.9 51.9

66 63.2 22.2 62.2#



#11

bis(2-Chloroethyl)ether

Concen: 0.909 ng

RT: 7.07 min Scan# 694

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

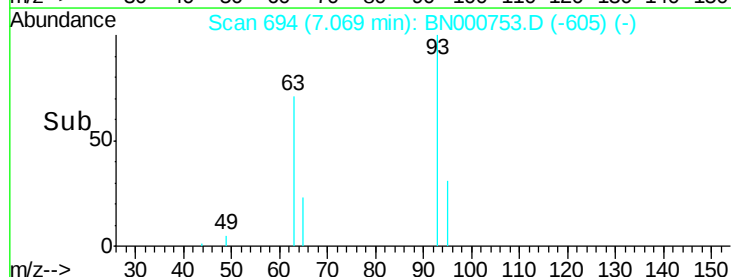
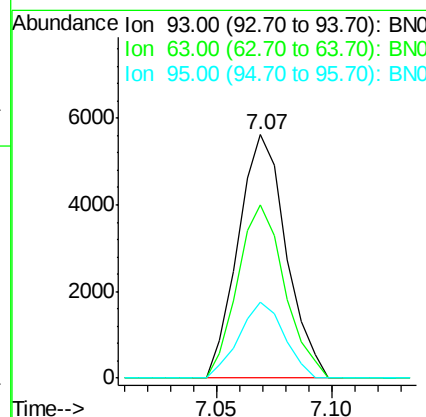
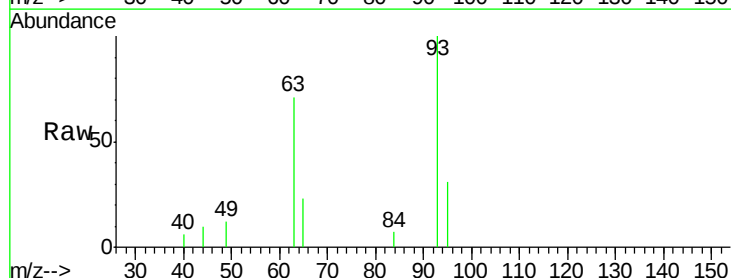
Tgt Ion: 93 Resp: 8137

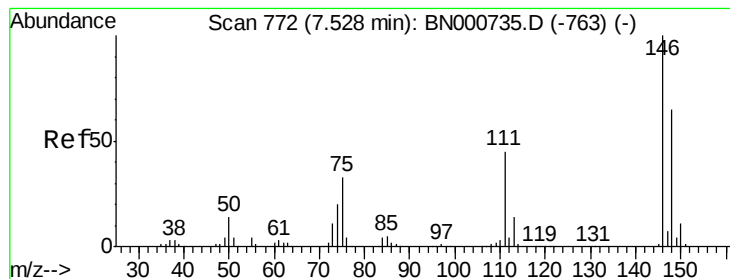
Ion Ratio Lower Upper

93 100

63 70.9 67.1 107.1

95 31.3 11.5 51.5





#12

1,3-Dichlorobenzene

Concen: 1.010 ng

RT: 7.52 min Scan# 771

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

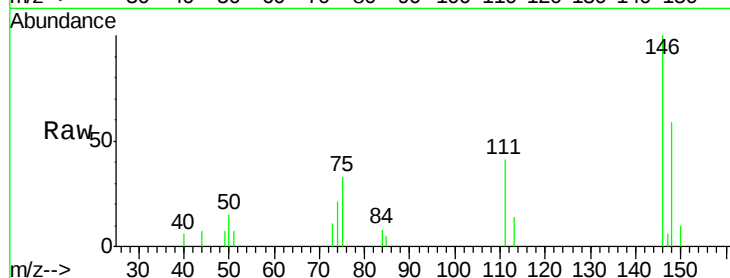
Tot Ion:146 Resp: 9240

Ion Ratio Lower Upper

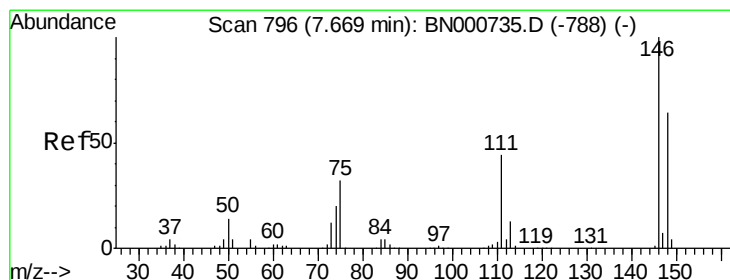
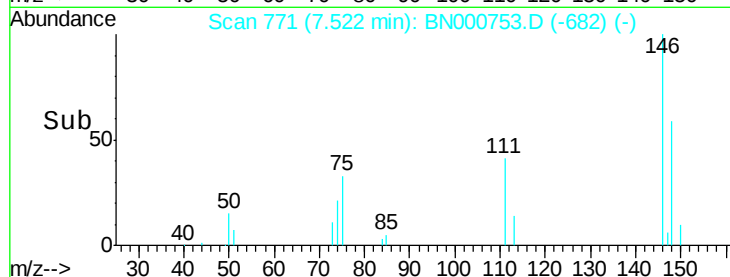
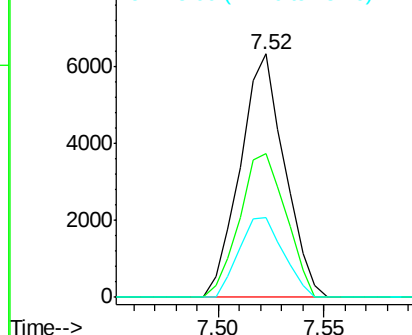
146 100

148 58.8 51.4 77.2

75 32.6 26.6 39.8



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): BNC



#13

1,4-Dichlorobenzene

Concen: 1.012 ng

RT: 7.66 min Scan# 795

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

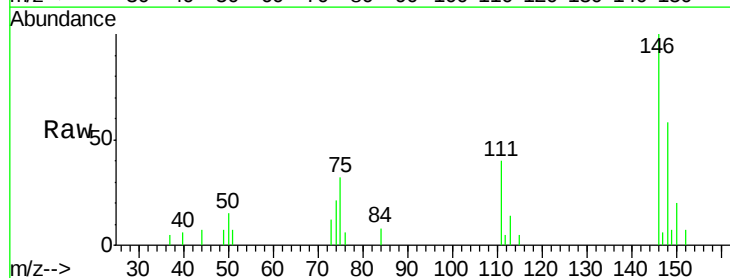
Tgt Ion:146 Resp: 9398

Ion Ratio Lower Upper

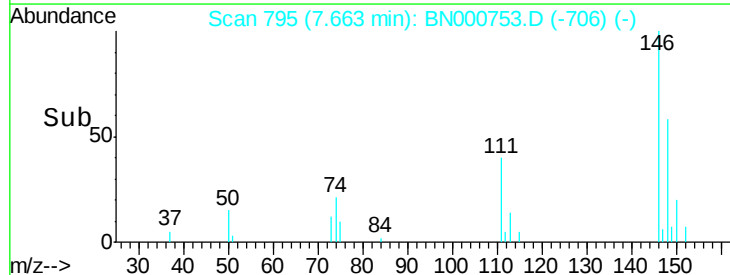
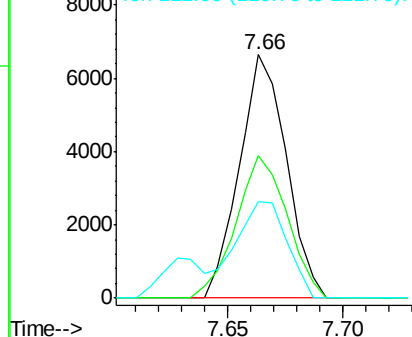
146 100

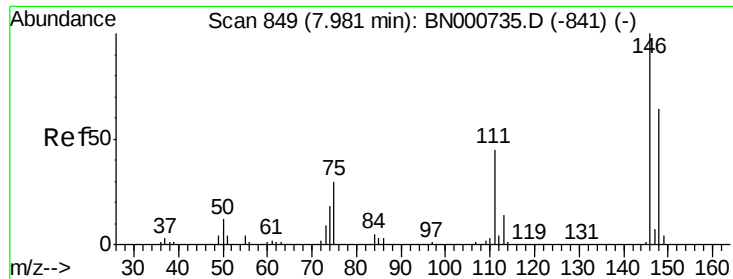
148 58.4 53.7 80.5

111 39.7 35.2 52.8



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: 1.046 ng

RT: 7.98 min Scan# 848

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

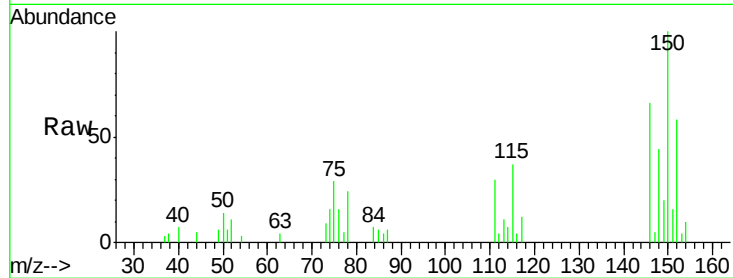
Tot Ion:146 Resp: 9277

Ion Ratio Lower Upper

146 100

148 67.1 49.3 73.9

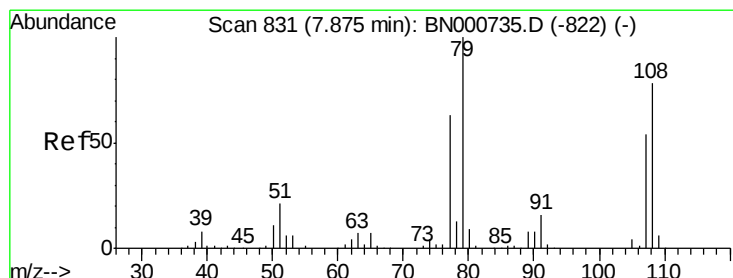
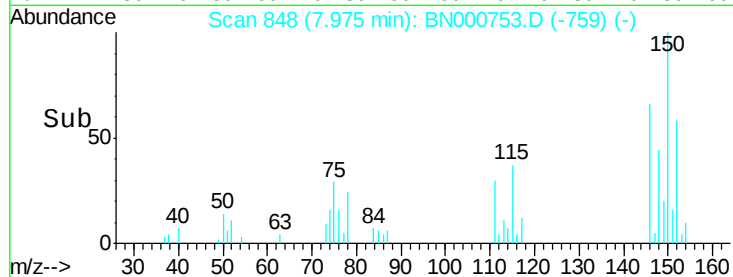
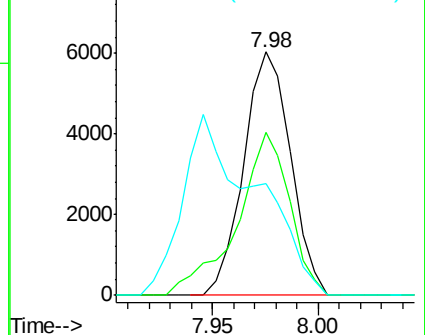
111 45.7 34.3 51.5



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



#15

Benzyl Alcohol

Concen: 0.692 ng

RT: 7.87 min Scan# 830

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

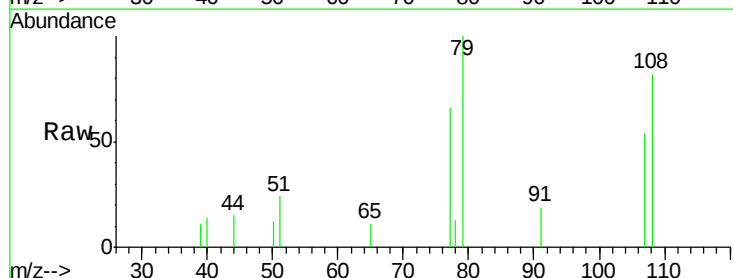
Tgt Ion: 79 Resp: 4939

Ion Ratio Lower Upper

79 100

108 81.9 57.2 85.8

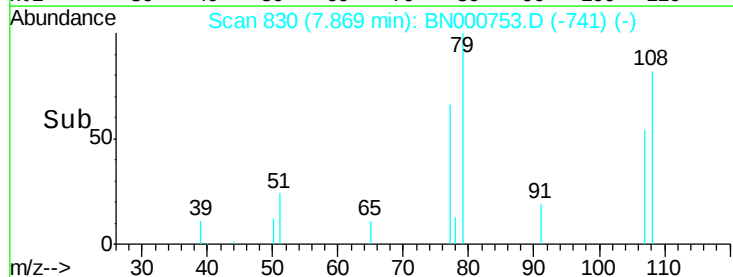
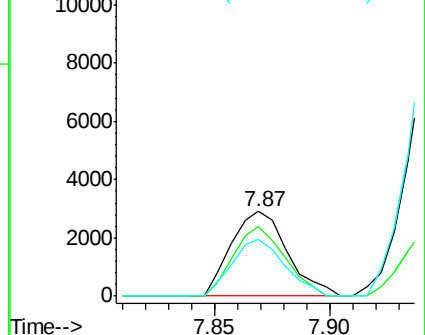
77 66.5 46.1 69.1

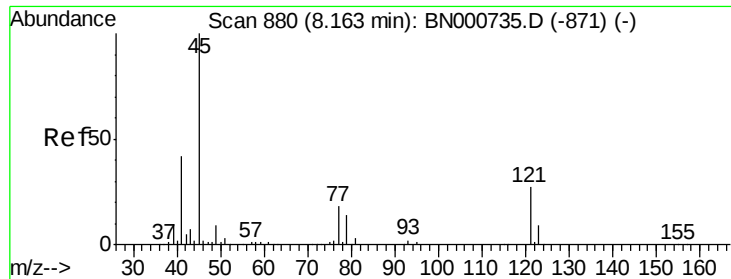


Abundance Ion 79.00 (78.70 to 79.70): BNC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

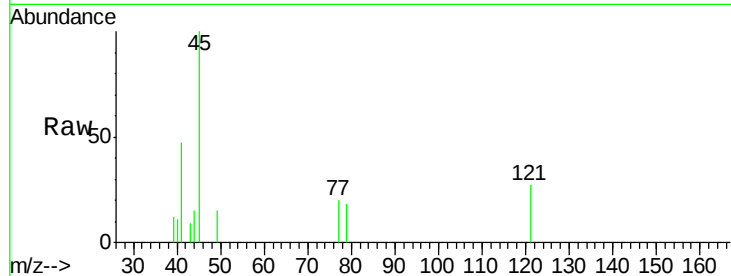




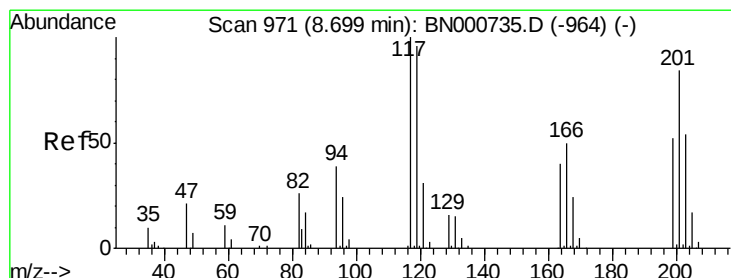
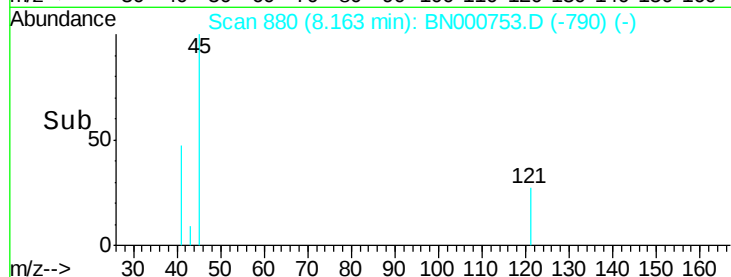
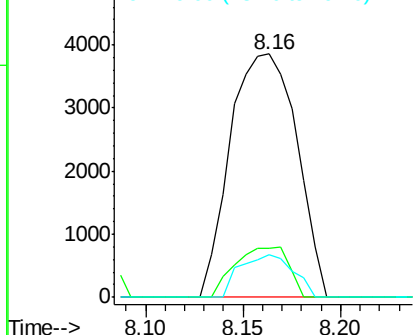
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.956 ng
RT: 8.16 min Scan# 880
Delta R.T. -0.00 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

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

Tot Ion: 45 Resp: 9084
Ion Ratio Lower Upper
45 100
77 19.9 0.0 30.2
79 17.5 0.0 27.9

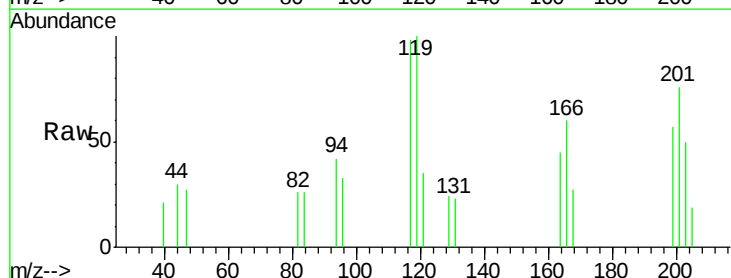


Abundance Ion 45.00 (44.70 to 45.70): BN0
Ion 77.00 (76.70 to 77.70): BN0
Ion 79.00 (78.70 to 79.70): BN0

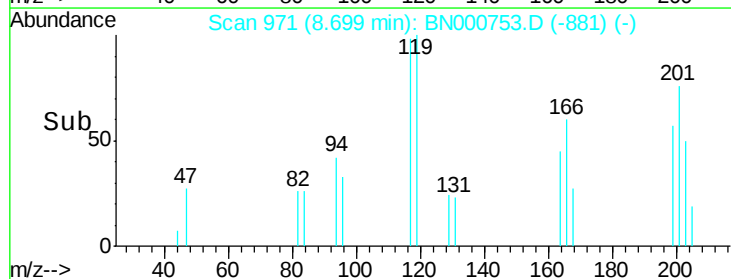
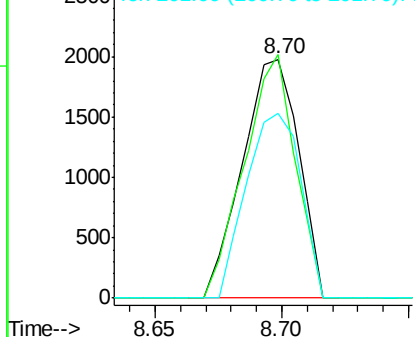


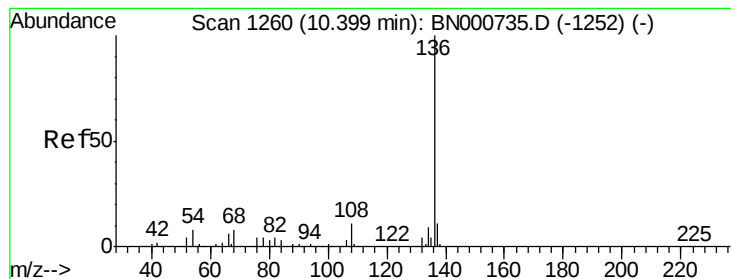
#18
Hexachloroethane
Concen: 0.897 ng
RT: 8.70 min Scan# 971
Delta R.T. -0.00 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

Tgt Ion: 117 Resp: 3070
Ion Ratio Lower Upper
117 100
119 102.1 76.7 115.1
201 77.4 95.7 143.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.40 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:136 Resp: 470206

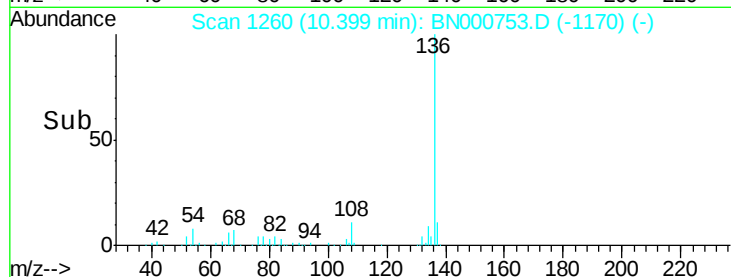
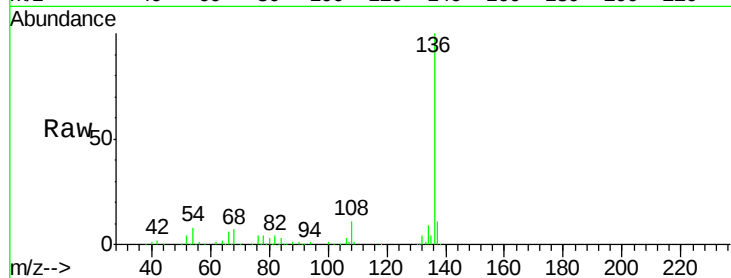
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 7.7 10.3 15.5#

68 7.4 4.5 6.7#

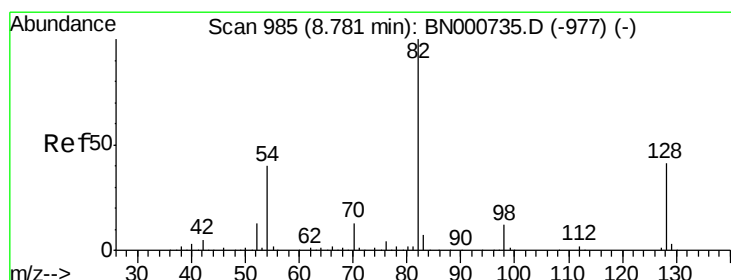
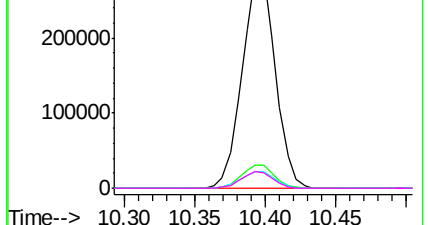


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#23

Nitrobenzene-d5

Concen: 80.885 ng

RT: 8.78 min Scan# 984

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

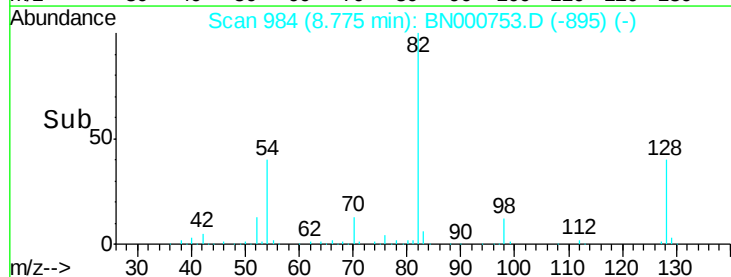
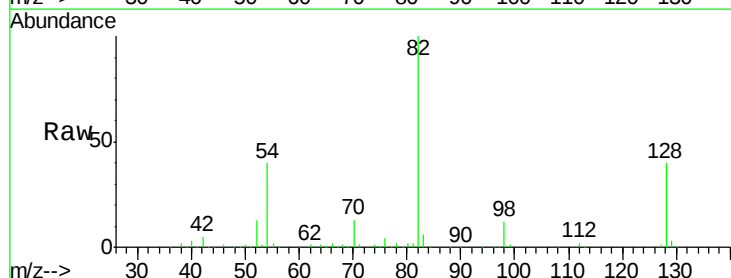
Tgt Ion: 82 Resp: 729565

Ion Ratio Lower Upper

82 100

128 40.2 29.7 44.5

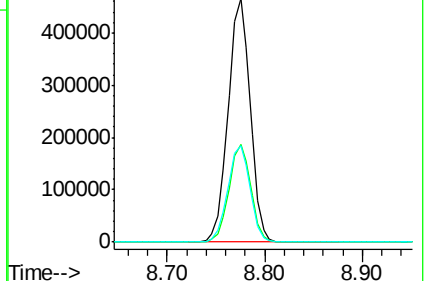
54 39.6 43.1 64.7#

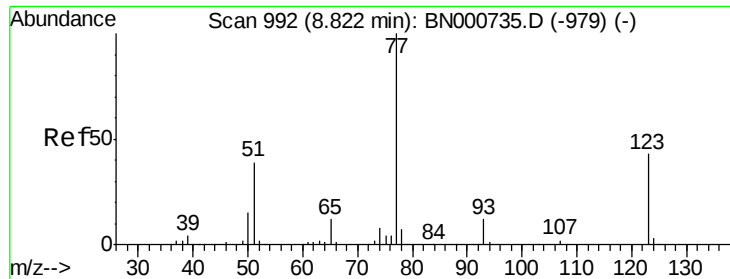


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

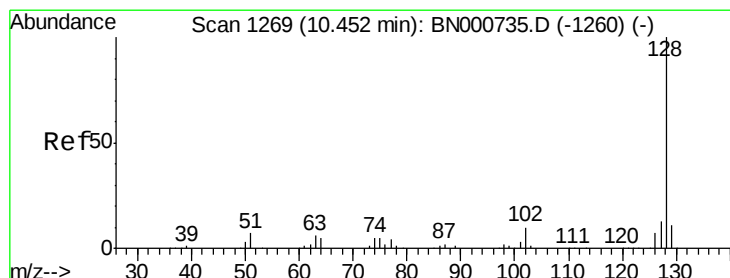
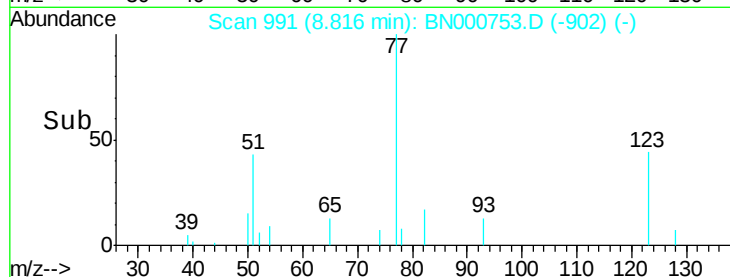
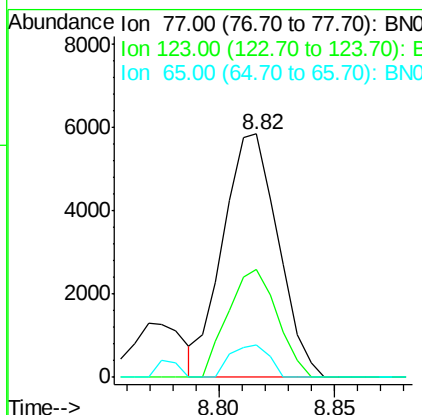
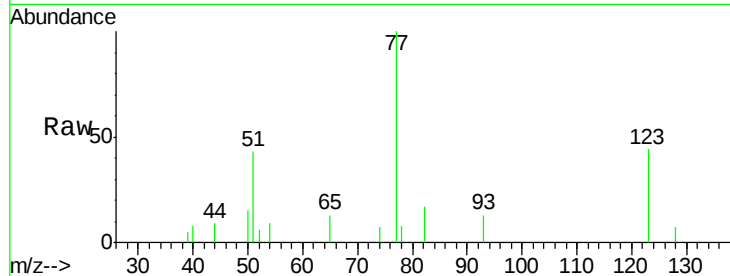




#24
 Nitrobenzene
 Concen: 1.006 ng
 RT: 8.82 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

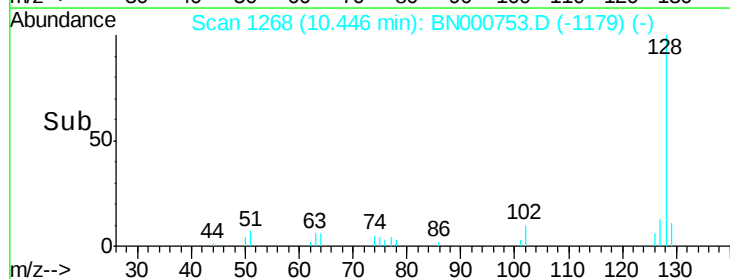
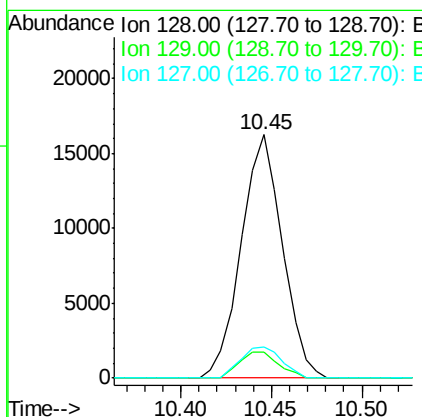
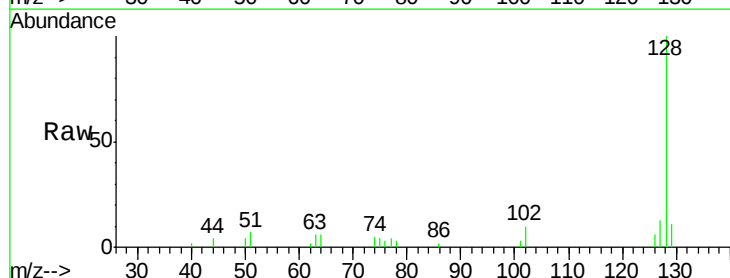
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

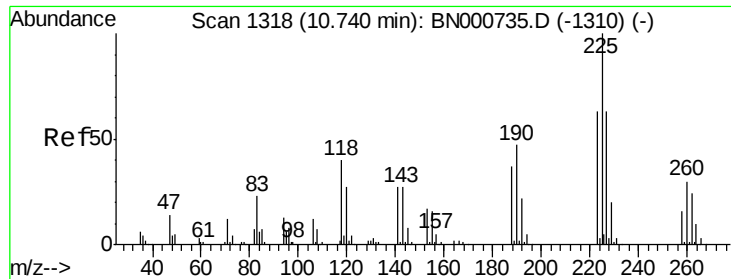
Tot Ion	Ratio	Lower	Upper
77	100		
123	44.4	33.0	49.6
65	13.1	13.0	19.6



#31
 Naphthalene
 Concen: 1.018 ng
 RT: 10.45 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	12.9	11.6	17.4

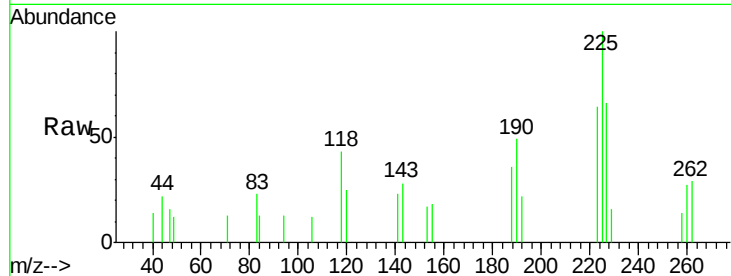




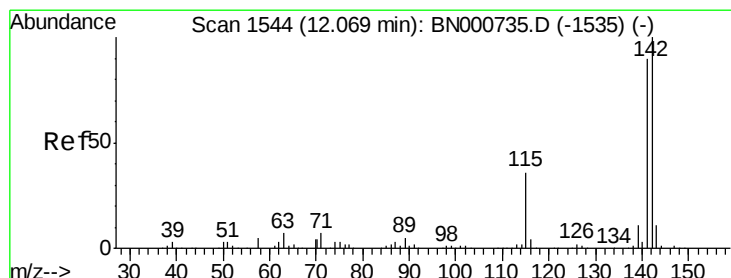
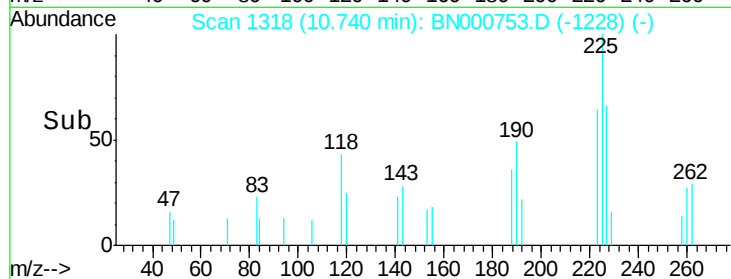
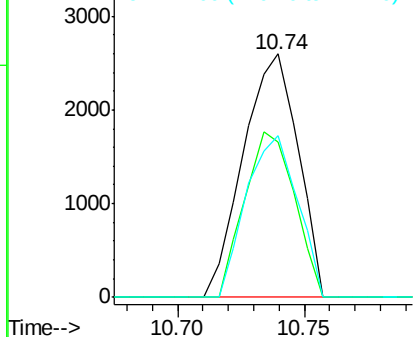
#34
Hexachlorobutadiene
Concen: 0.940 ng
RT: 10.74 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

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

Tot Ion:225 Resp: 3918
Ion Ratio Lower Upper
225 100
223 64.0 49.7 74.5
227 66.4 48.1 72.1

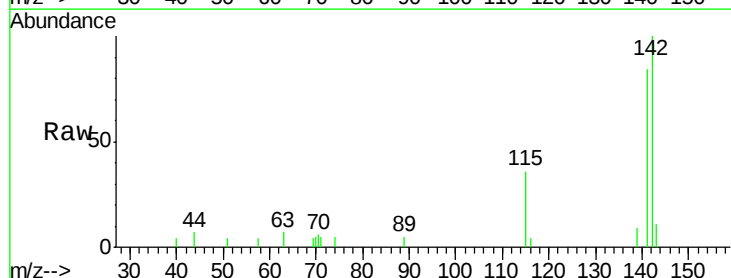


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

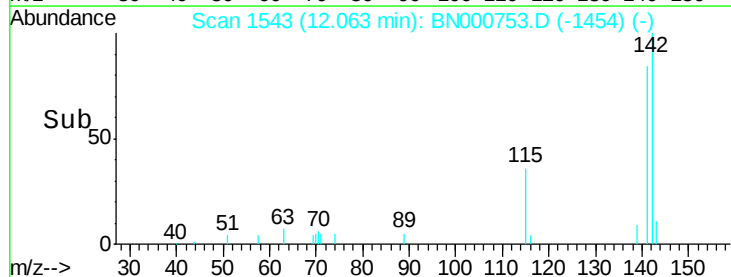
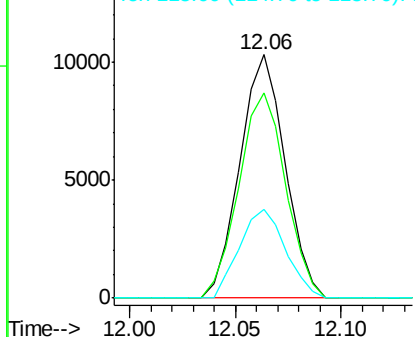


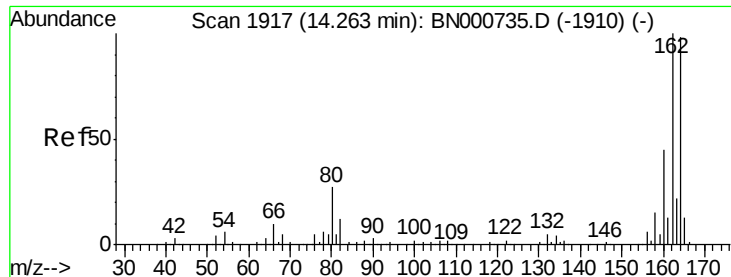
#37
2-Methylnaphthalene
Concen: 0.926 ng
RT: 12.06 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

Tgt Ion:142 Resp: 15336
Ion Ratio Lower Upper
142 100
141 84.1 67.1 100.7
115 36.4 30.7 46.1



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: 14.26 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

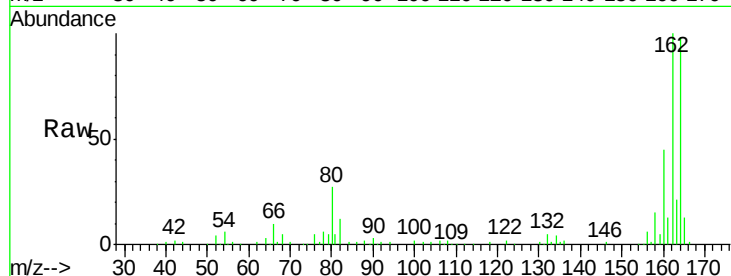
Tot Ion:164 Resp: 235290

Ion Ratio Lower Upper

164 100

162 101.8 78.8 118.2

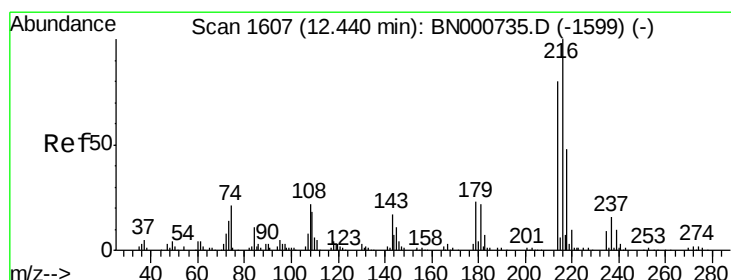
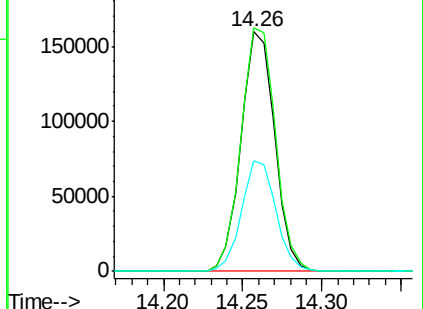
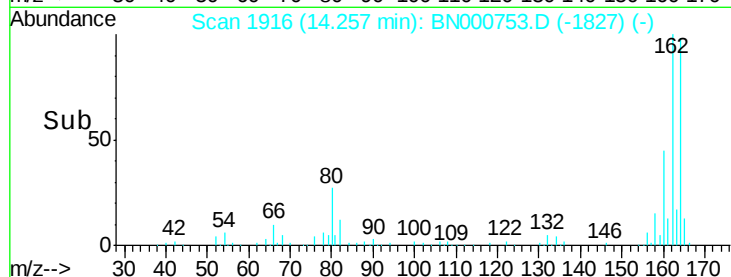
160 46.0 35.4 53.0



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: 1.017 ng

RT: 12.43 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Tgt Ion:216 Resp: 7418

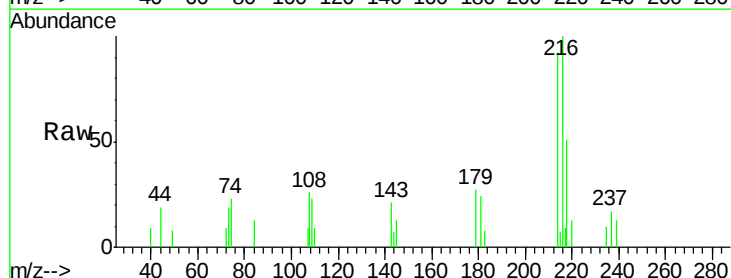
Ion Ratio Lower Upper

216 100

214 77.0 63.0 94.4

179 21.4 17.0 25.6

108 21.4 12.8 19.2#

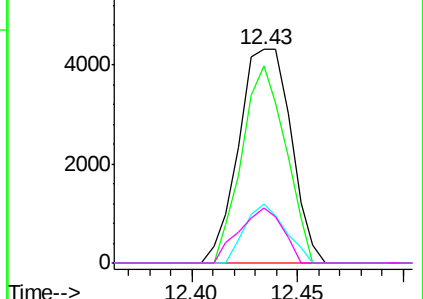
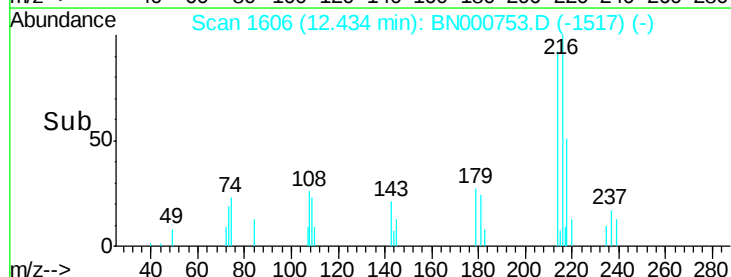


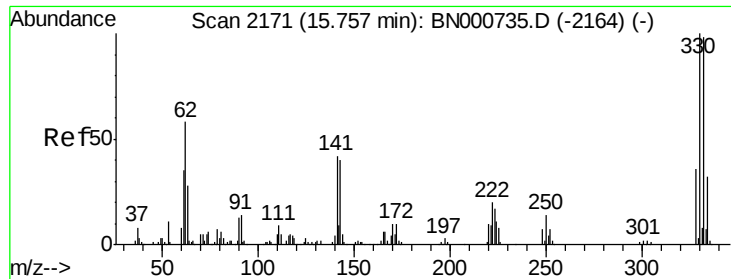
Abundance Ion 216.00 (215.70 to 216.70): E

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

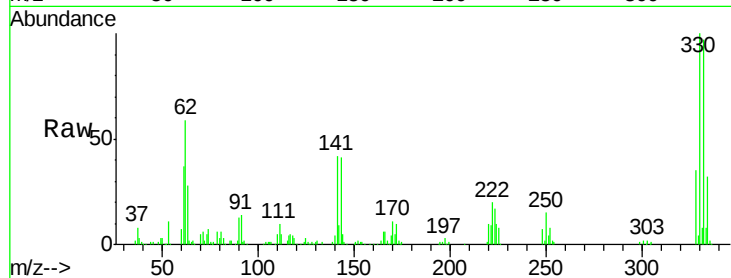




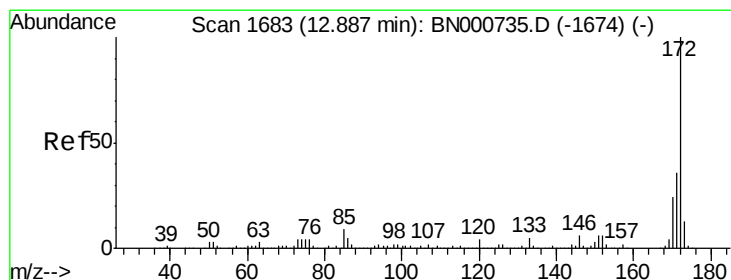
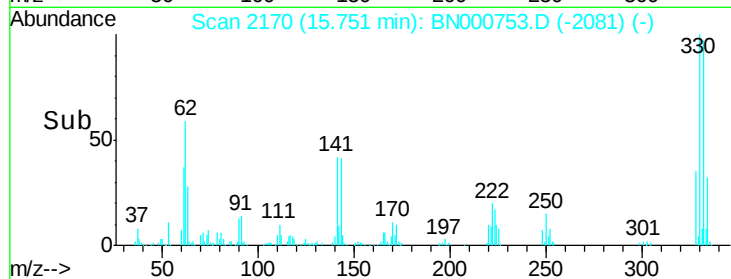
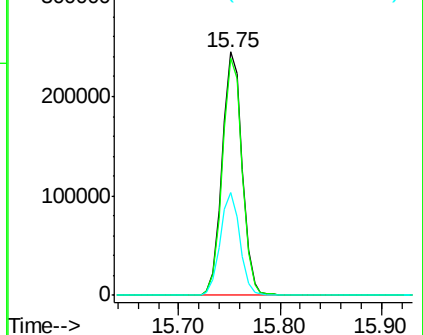
#41
 2,4,6-Tribromophenol
 Concen: 141.790 ng
 RT: 15.75 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

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

Tot Ion:330 Resp: 335856
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 41.5 25.2 37.8#

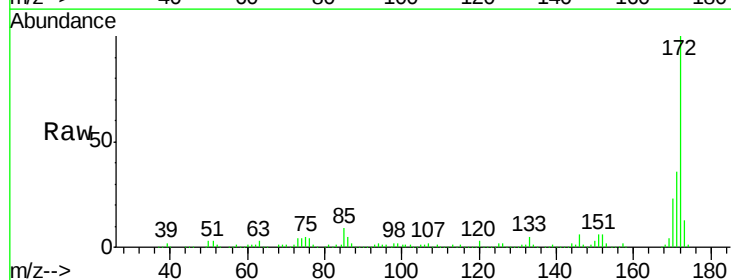


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

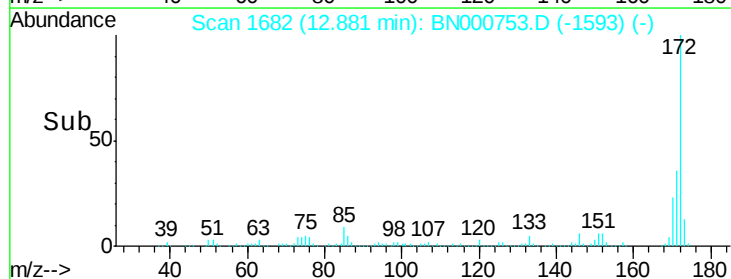
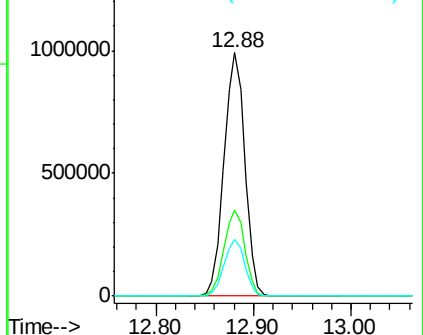


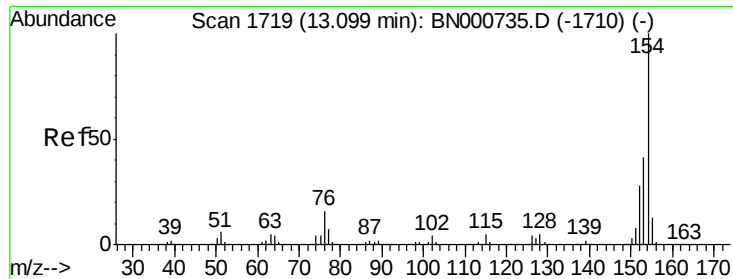
#44
 2-Fluorobiphenyl
 Concen: 85.890 ng
 RT: 12.88 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

Tgt Ion:172 Resp: 1463942
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.0 45.0
 170 23.4 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

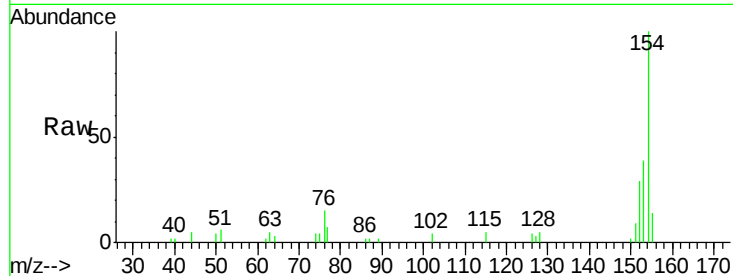




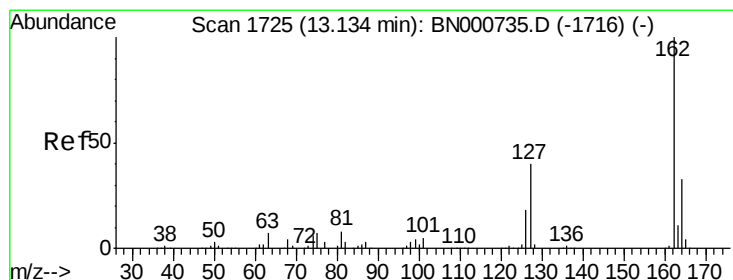
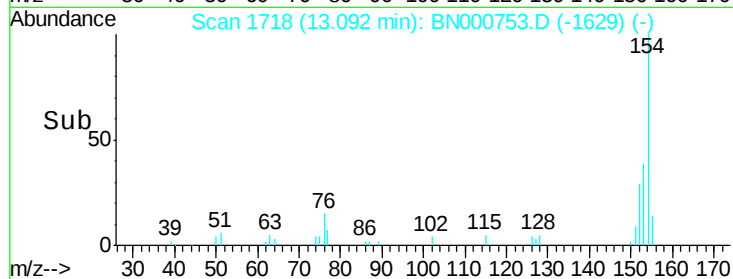
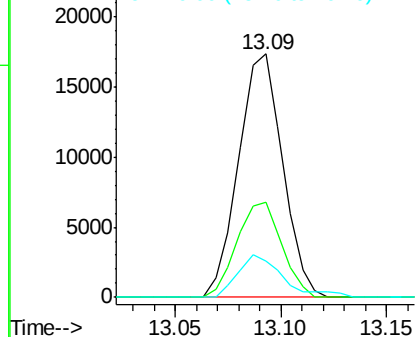
#45
 1,1'-Biphenyl
 Concen: 1.194 ng
 RT: 13.09 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

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

Tot Ion:154 Resp: 25142
 Ion Ratio Lower Upper
 154 100
 153 39.1 19.8 59.8
 76 15.0 0.0 31.9

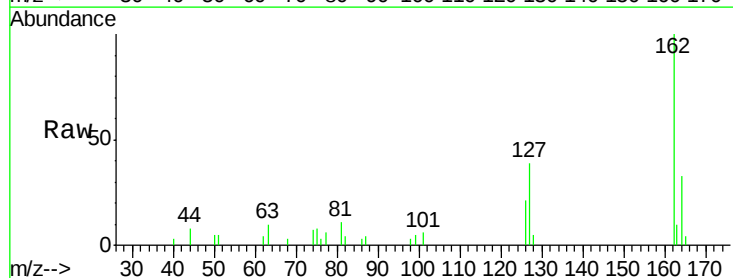


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

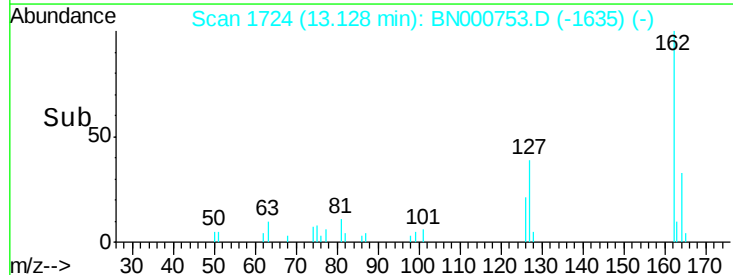
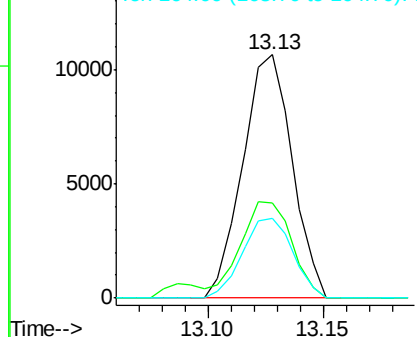


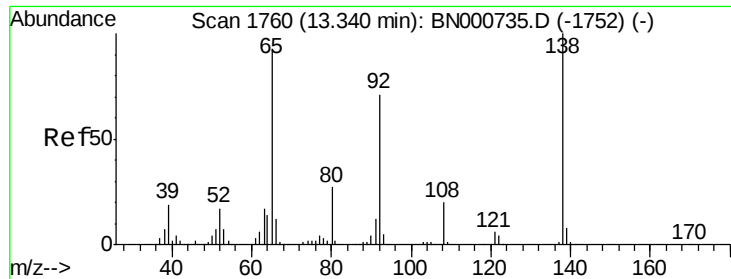
#46
 2-Chloronaphthalene
 Concen: 1.004 ng
 RT: 13.13 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

Tgt Ion:162 Resp: 15857
 Ion Ratio Lower Upper
 162 100
 127 39.1 30.7 46.1
 164 33.0 26.0 39.0



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

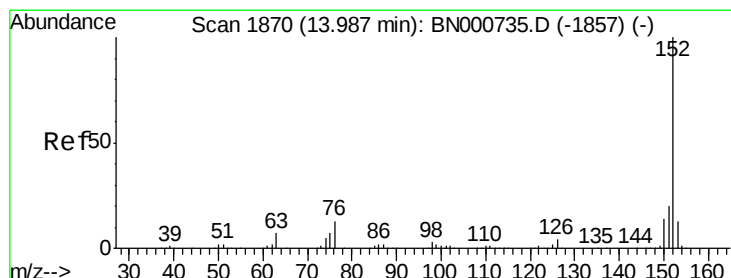
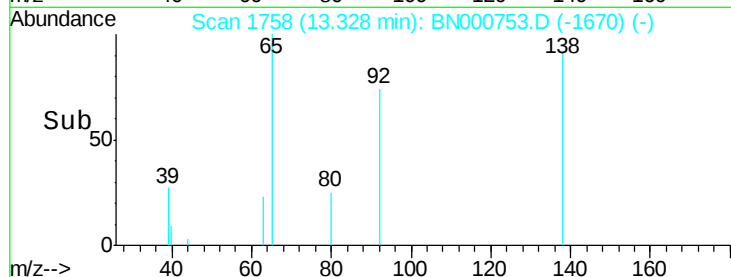
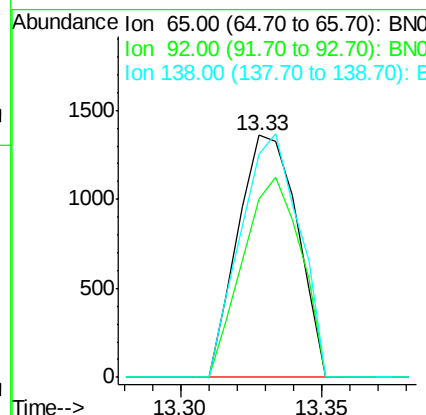
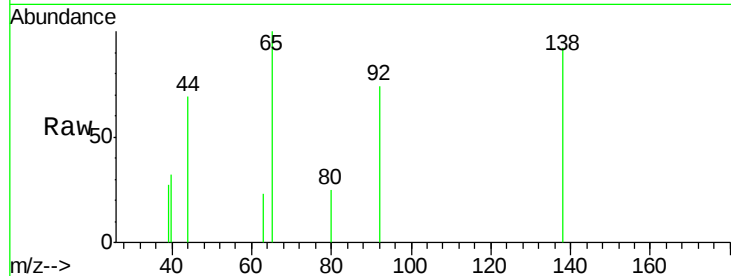




#47
2-Nitroaniline
Concen: 0.432 ng
RT: 13.33 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

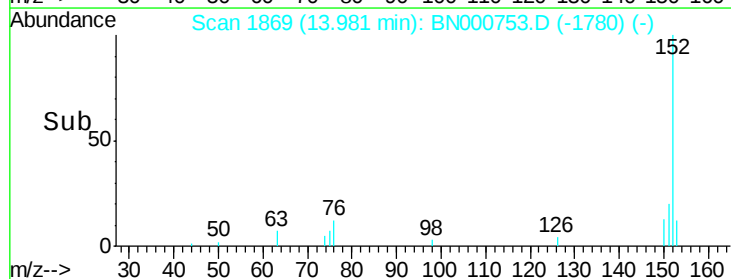
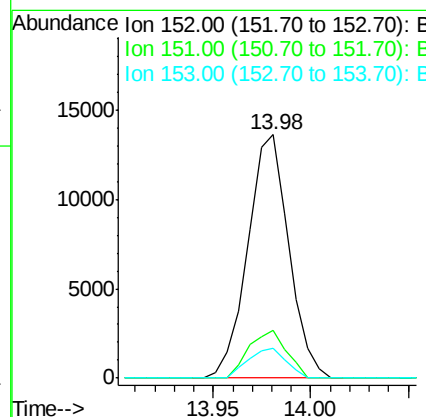
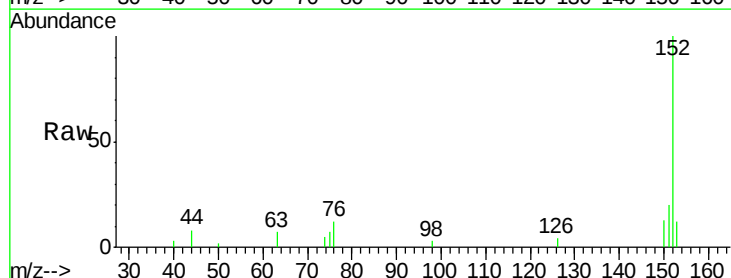
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

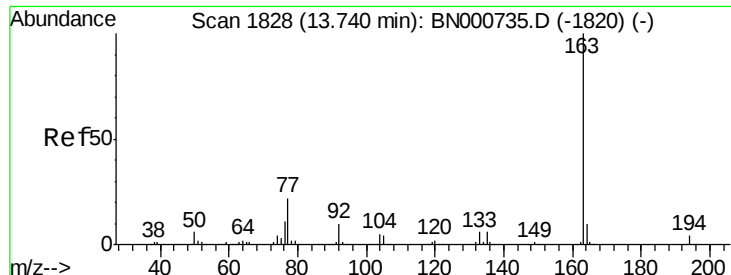
Tot Ion: 65 Resp: 1978
Ion Ratio Lower Upper
65 100
92 73.8 54.6 82.0
138 92.4 72.9 109.3



#48
Acenaphthylene
Concen: 0.792 ng
RT: 13.98 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

Tgt Ion: 152 Resp: 19822
Ion Ratio Lower Upper
152 100
151 19.5 17.2 25.8
153 12.2 10.2 15.4

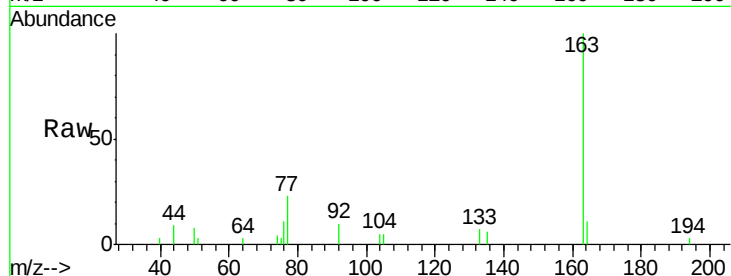




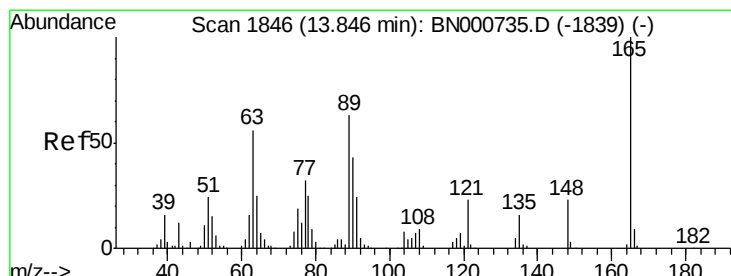
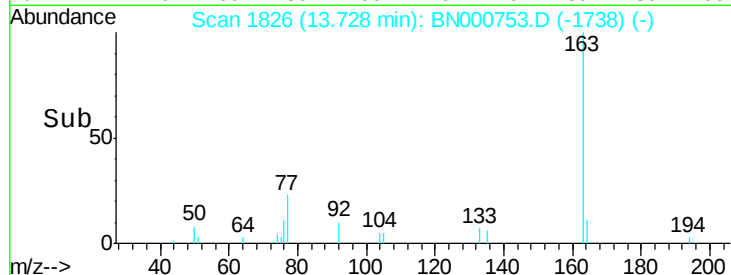
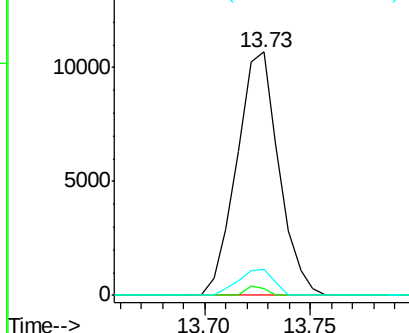
#49
Dimethylphthalate
Concen: 0.783 ng
RT: 13.73 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

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

Tot Ion:163 Resp: 14726
Ion Ratio Lower Upper
163 100
194 3.0 3.4 5.2#
164 10.6 8.2 12.4

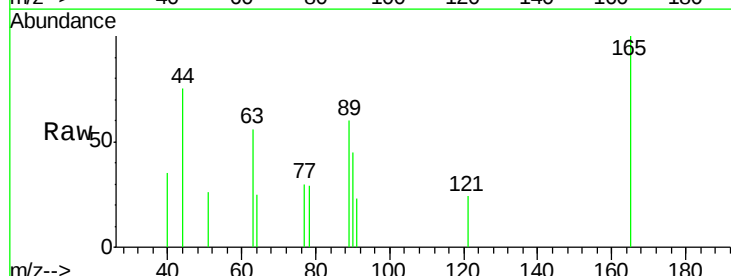


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

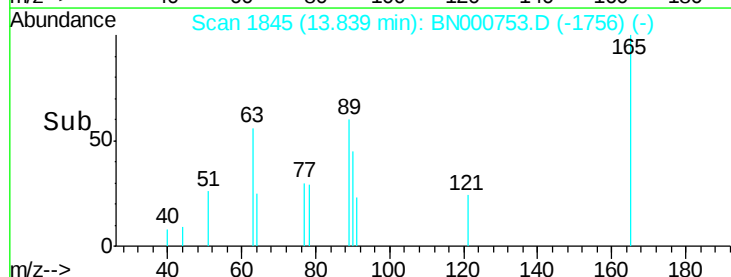
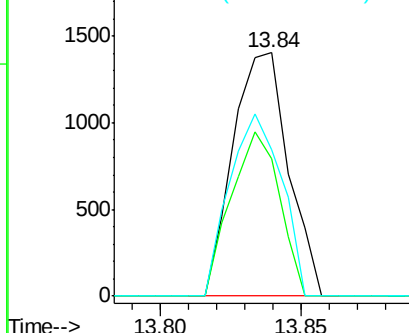


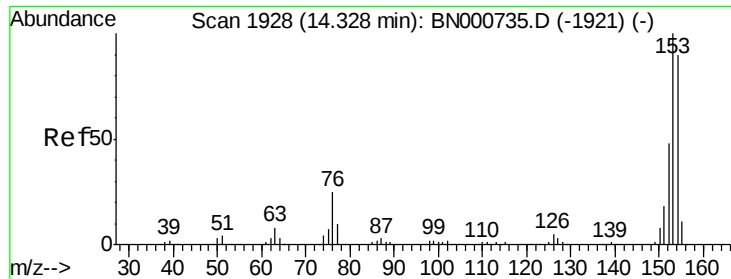
#50
2,6-Dinitrotoluene
Concen: 0.481 ng
RT: 13.84 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

Tgt Ion:165 Resp: 1914
Ion Ratio Lower Upper
165 100
63 56.3 52.7 79.1
89 60.1 49.2 73.8



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 0.980 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

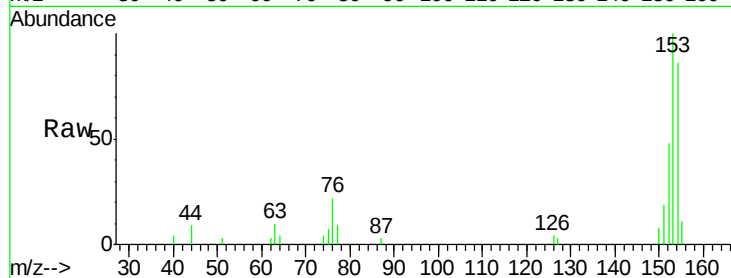
Tot Ion:154 Resp: 14960

Ion Ratio Lower Upper

154 100

153 115.8 90.4 135.6

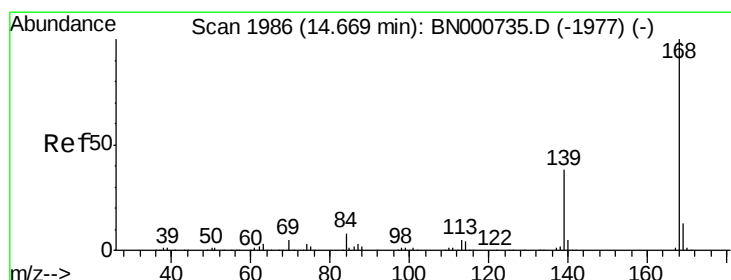
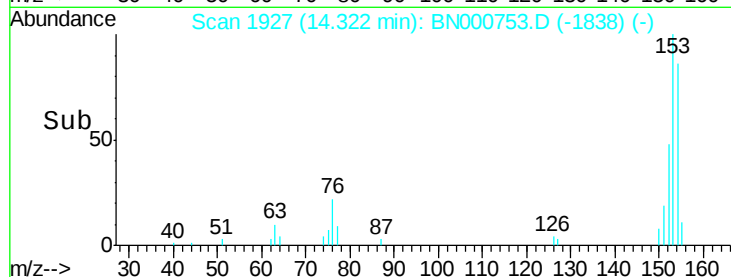
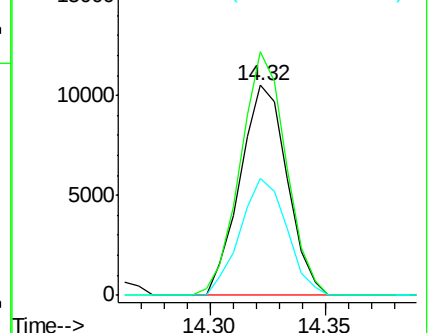
152 55.8 41.6 62.4



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: 0.993 ng

RT: 14.66 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

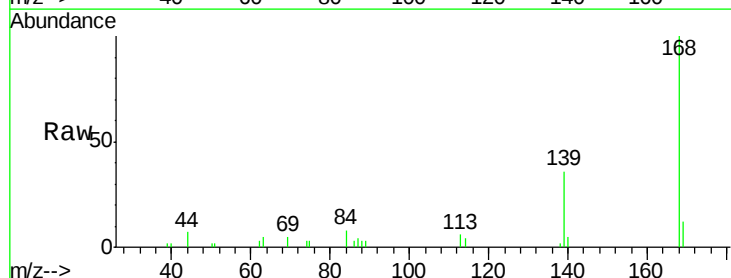
Tgt Ion:168 Resp: 22053

Ion Ratio Lower Upper

168 100

139 36.3 28.6 43.0

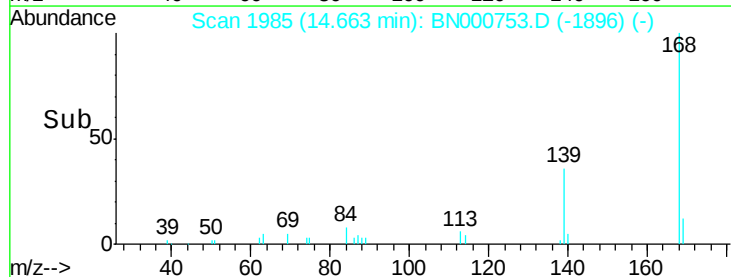
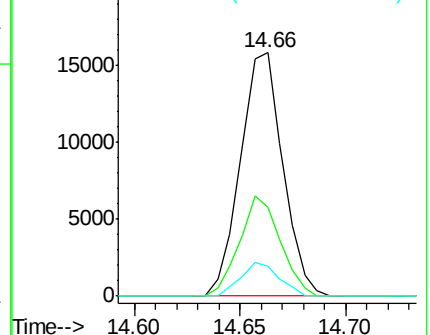
169 12.5 11.2 16.8

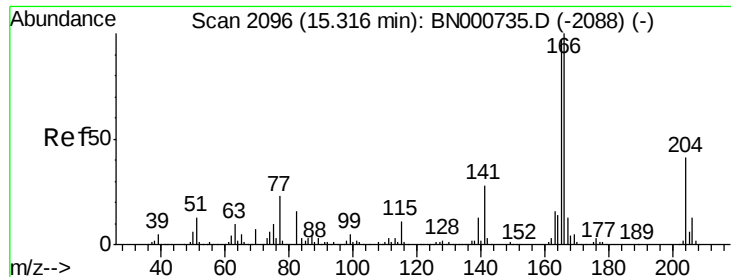


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 0.908 ng

RT: 15.31 min Scan# 2095

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

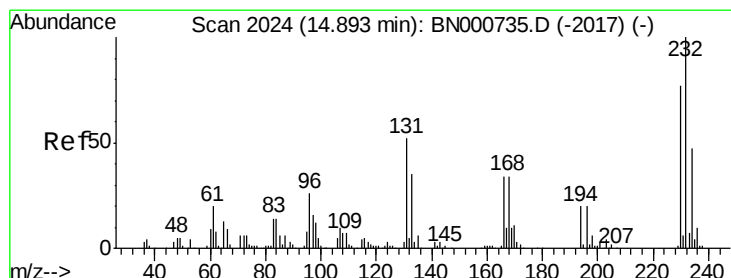
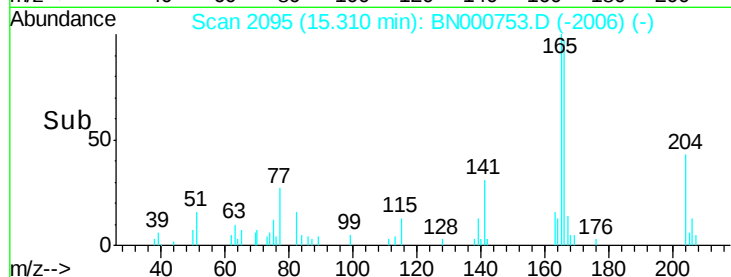
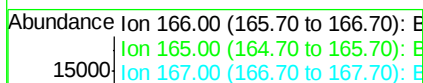
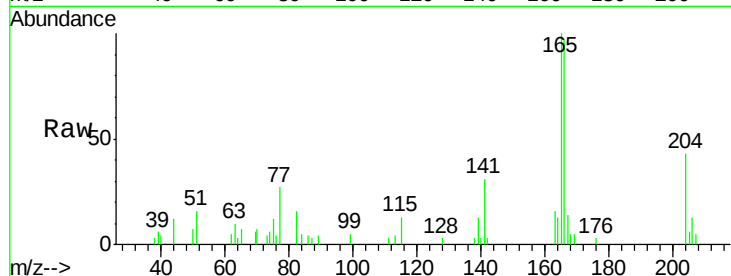
Tot Ion:166 Resp: 15939

Ion Ratio Lower Upper

166 100

165 102.7 80.6 121.0

167 14.4 10.4 15.6



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.491 ng

RT: 14.89 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Tgt Ion:232 Resp: 1931

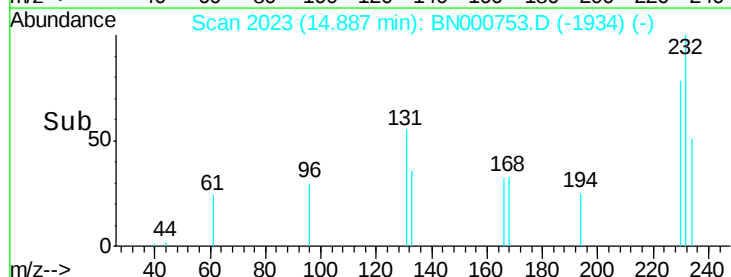
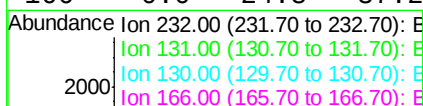
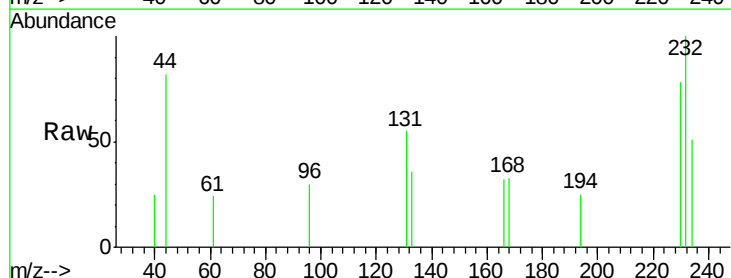
Ion Ratio Lower Upper

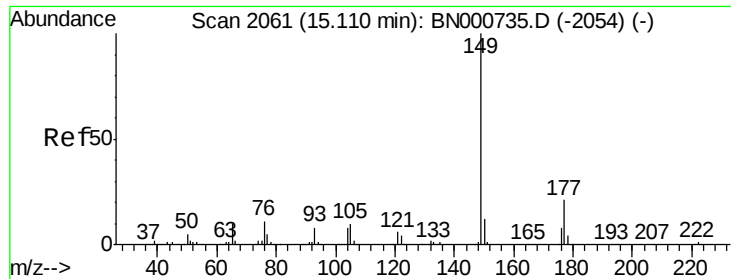
232 100

131 46.4 33.5 50.3

130 0.0 2.2 3.2#

166 0.0 24.8 37.2#

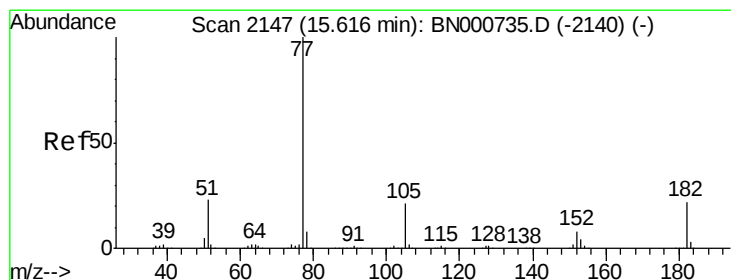
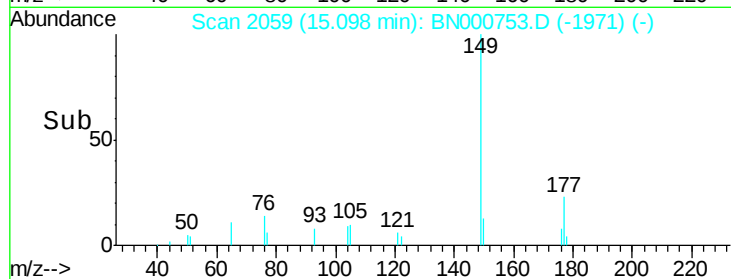
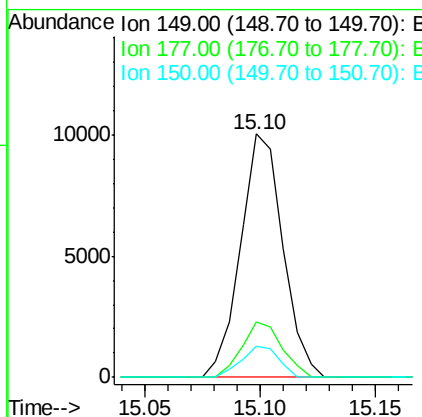
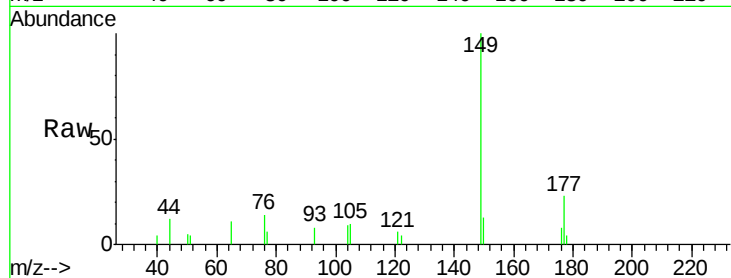




#59
Diethylphthalate
Concen: 0.688 ng
RT: 15.10 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

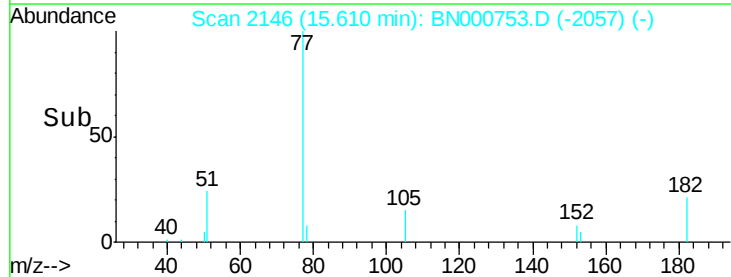
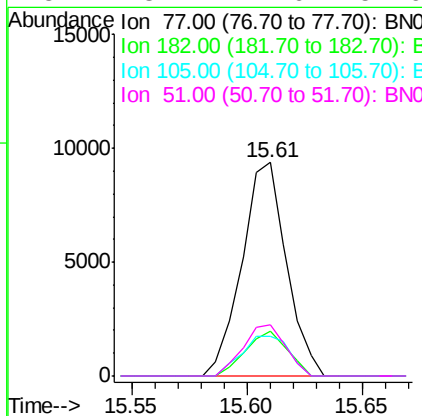
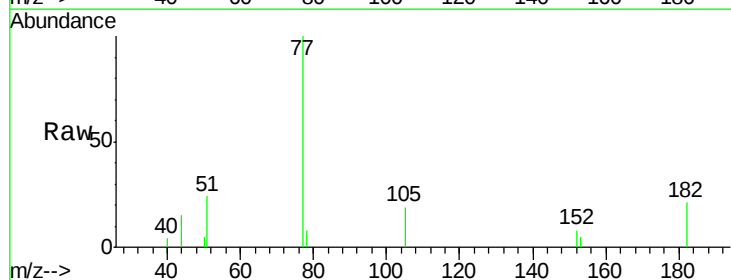
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

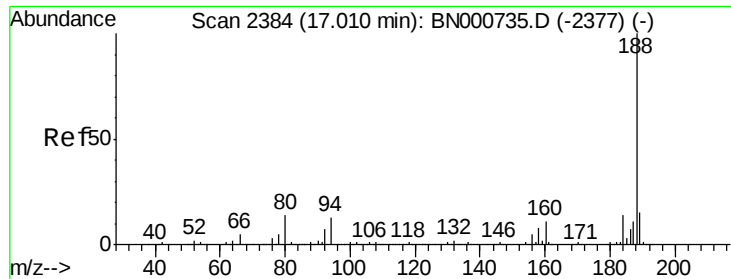
Tot Ion:149 Resp: 12818
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.6 10.2 15.2



#62
Azobenzene
Concen: 0.630 ng
RT: 15.61 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

Tgt Ion: 77 Resp: 12580
Ion Ratio Lower Upper
77 100
182 21.3 7.4 47.4
105 18.8 0.3 40.3
51 23.7 11.6 51.6

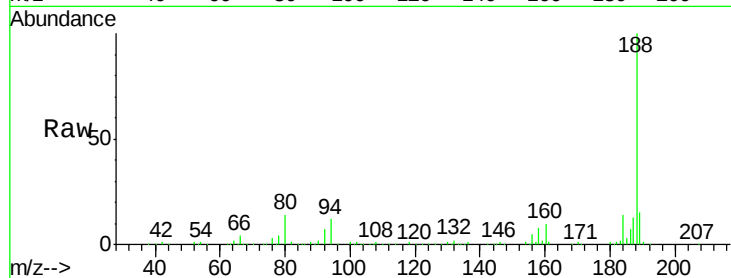




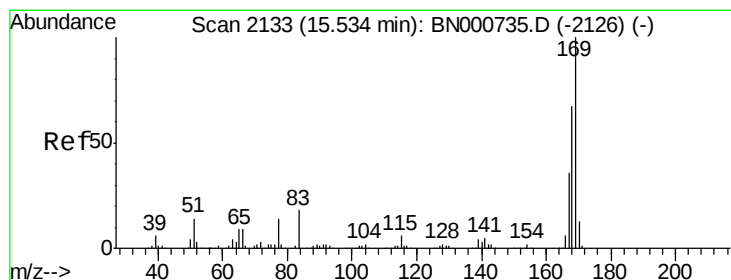
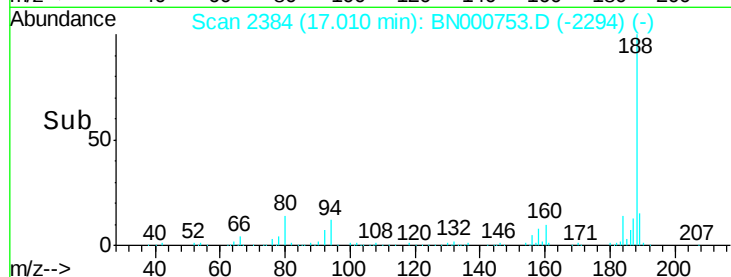
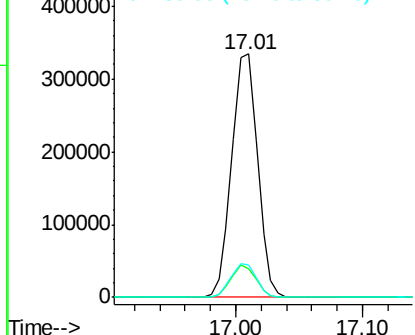
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.01 min Scan# 2384
Delta R.T. -0.00 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

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

Tot Ion:188 Resp: 473750
Ion Ratio Lower Upper
188 100
94 11.8 6.9 10.3#
80 13.5 7.7 11.5#

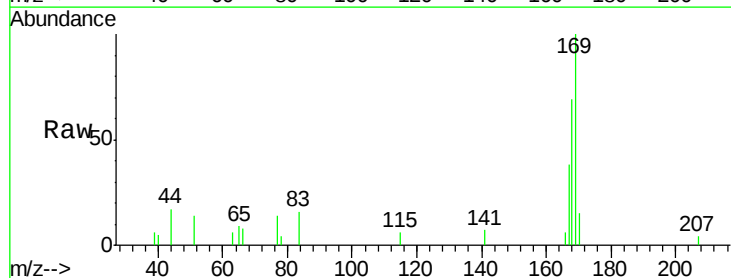


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

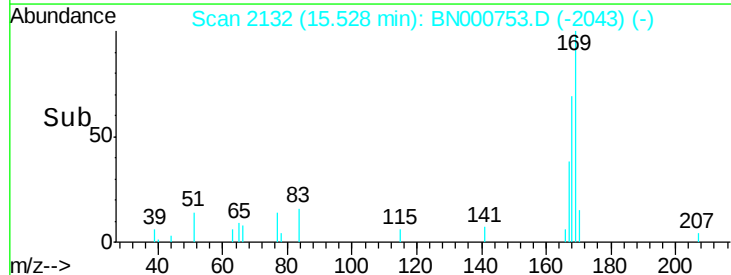
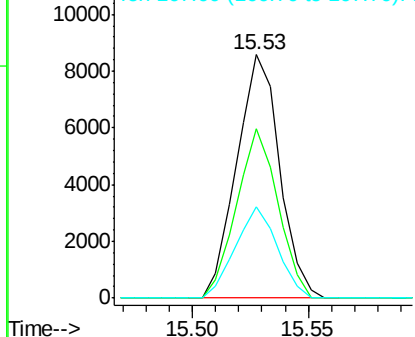


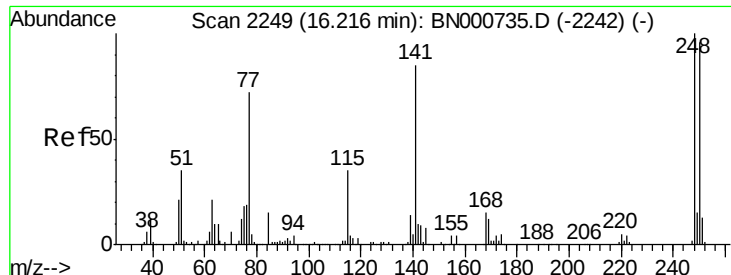
#65
n-Nitrosodiphenylamine
Concen: 0.698 ng
RT: 15.53 min Scan# 2132
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

Tgt Ion:169 Resp: 11099
Ion Ratio Lower Upper
169 100
168 69.3 55.7 83.5
167 37.6 30.1 45.1



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: 0.888 ng

RT: 16.21 min Scan# 2248

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

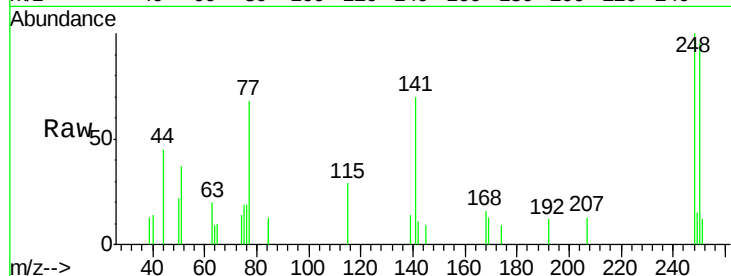
Tot Ion:248 Resp: 4273

Ion Ratio Lower Upper

248 100

250 94.8 77.1 115.7

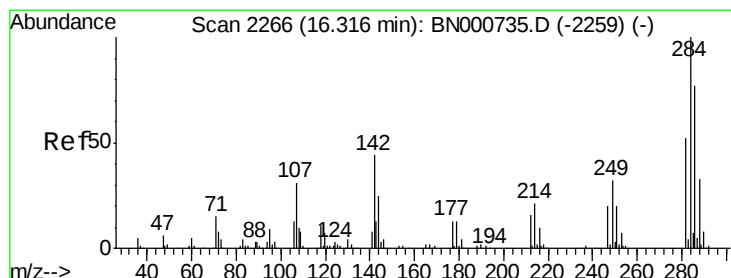
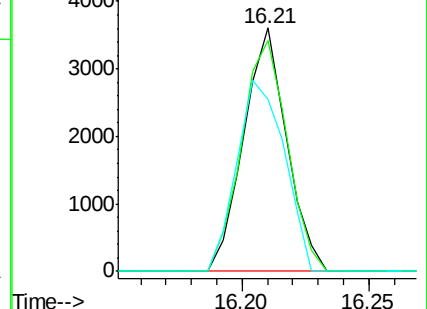
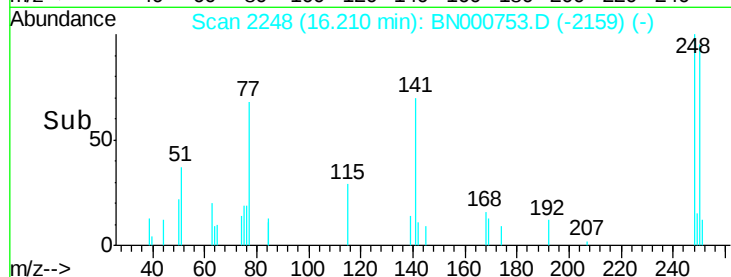
141 70.4 50.8 76.2



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: 0.962 ng

RT: 16.32 min Scan# 2266

Delta R.T. -0.00 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

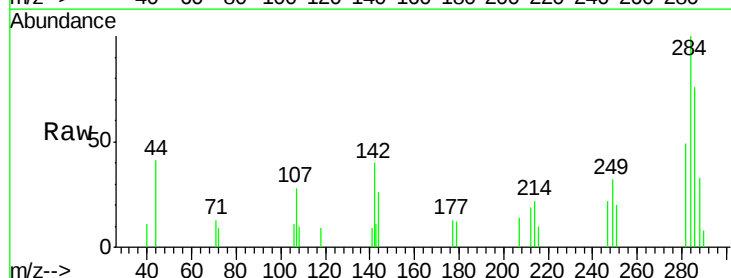
Tgt Ion:284 Resp: 5359

Ion Ratio Lower Upper

284 100

142 40.2 26.8 40.2#

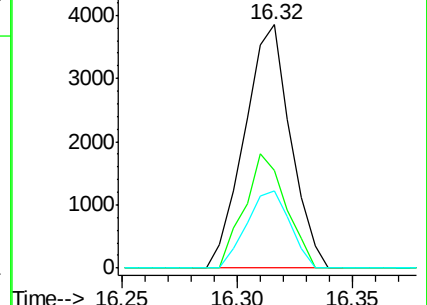
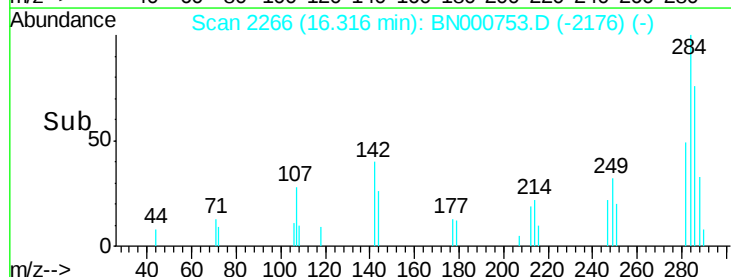
249 31.6 26.3 39.5

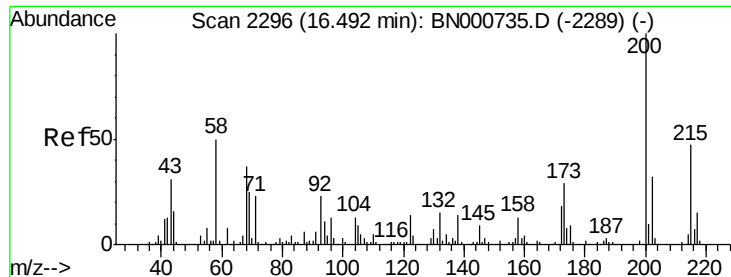


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#68

Atrazine

Concen: 0.375 ng

RT: 16.49 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

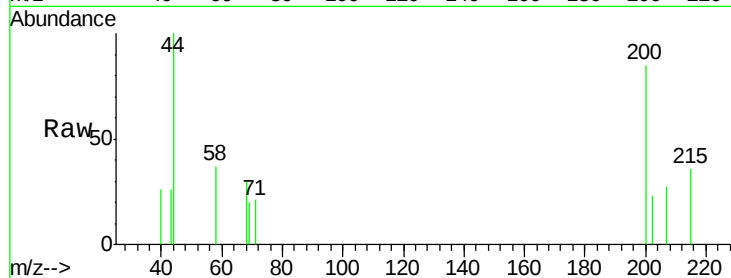
Tot Ion:200 Resp: 1618

Ion Ratio Lower Upper

200 100

173 0.0 5.2 45.2#

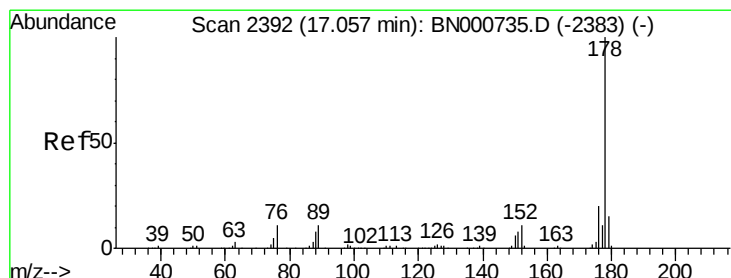
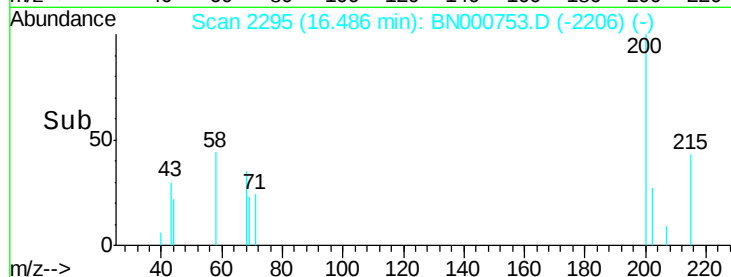
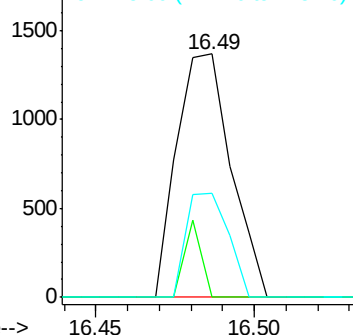
215 42.8 30.4 70.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Phenanthrene

Concen: 1.001 ng

RT: 17.05 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

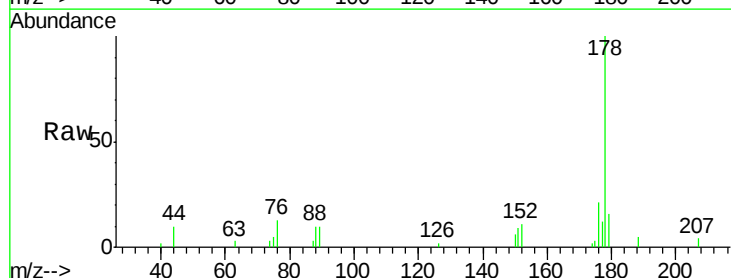
Tgt Ion:178 Resp: 27472

Ion Ratio Lower Upper

178 100

176 21.3 15.7 23.5

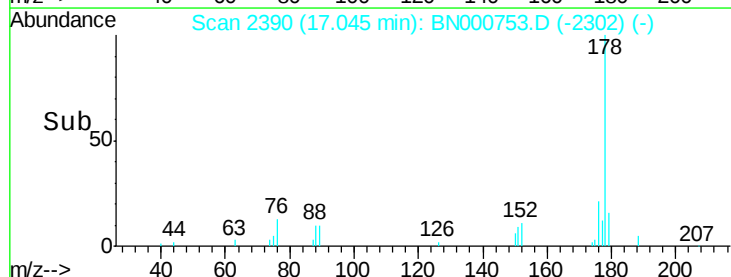
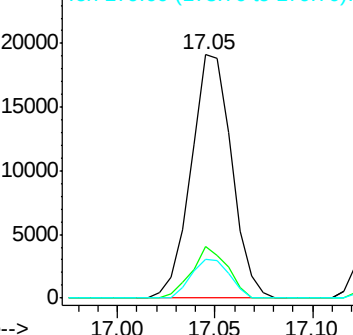
179 15.8 12.5 18.7

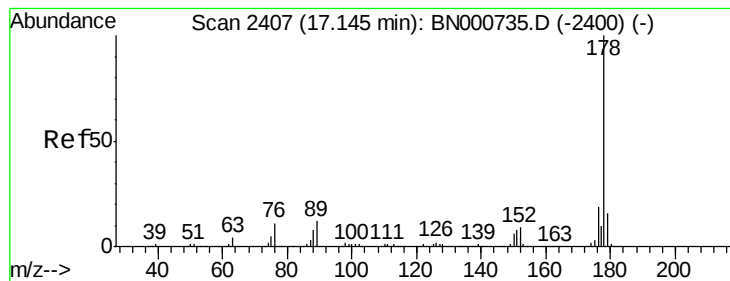


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.795 ng

RT: 17.14 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

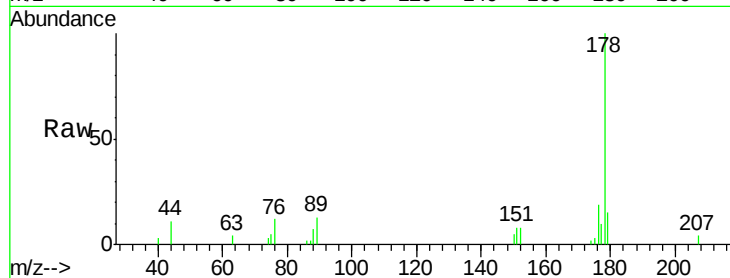
BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:178 Resp: 21366

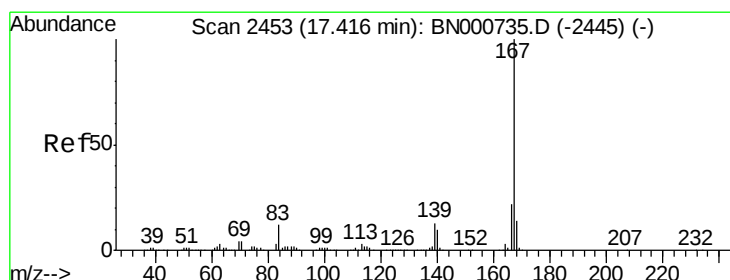
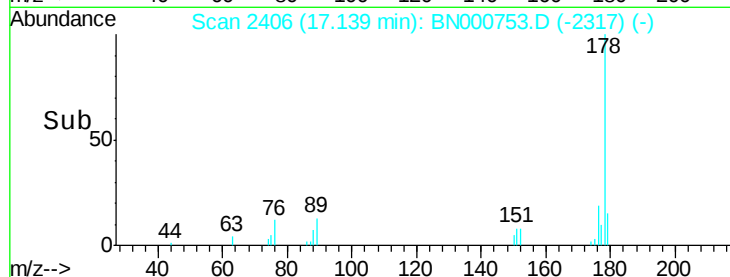
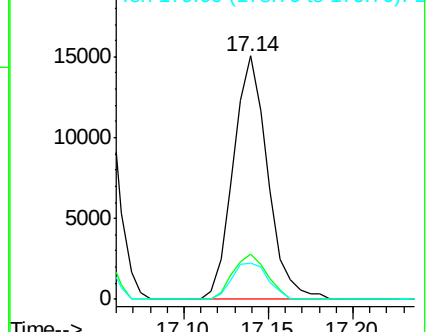
Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.0	24.0
179	15.0	12.5	18.7



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: 0.683 ng

RT: 17.41 min Scan# 2452

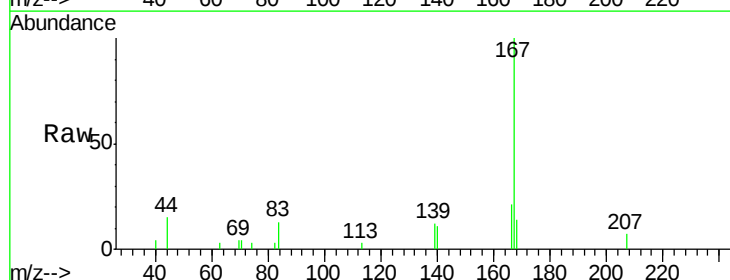
Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Tgt Ion:167 Resp: 17247

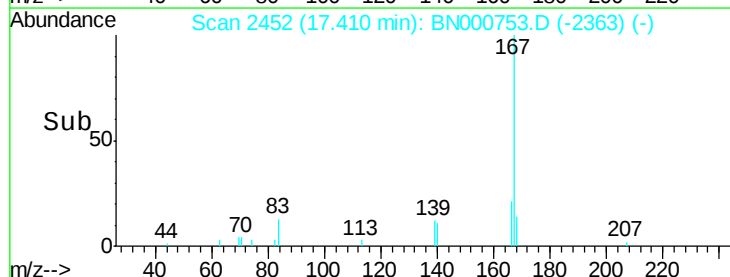
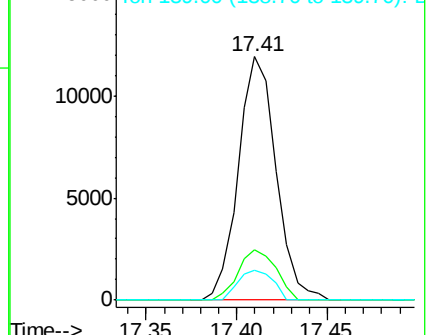
Ion	Ratio	Lower	Upper
167	100		
166	20.6	18.2	27.4
139	12.3	9.4	14.2

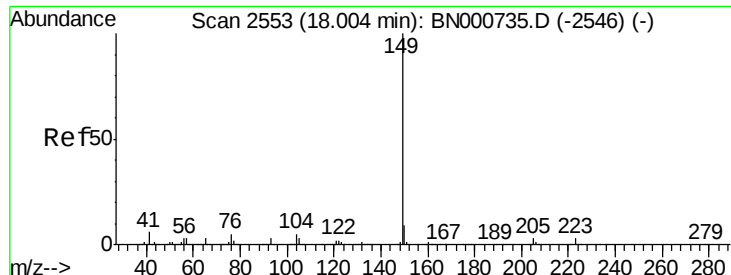


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

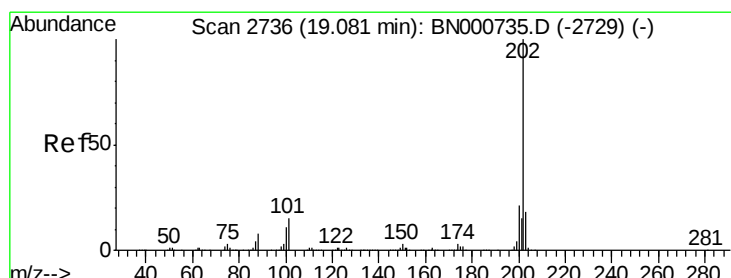
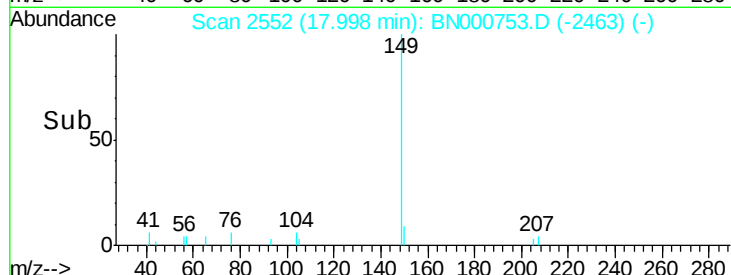
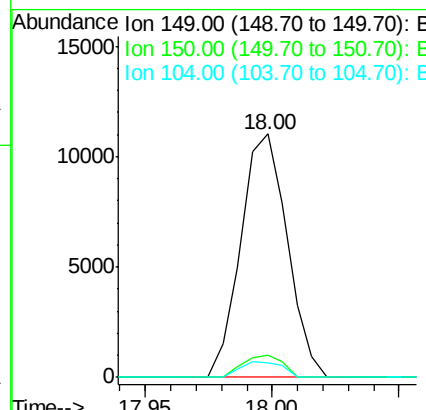
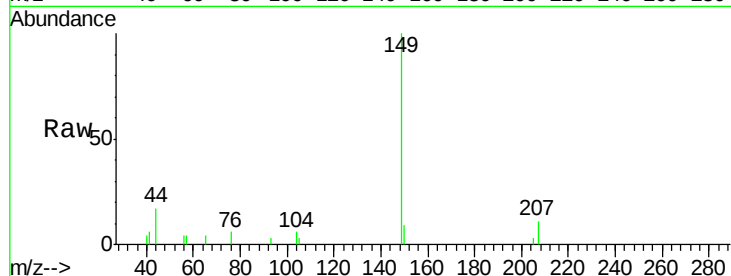




#73
Di-n-butylphthalate
Concen: 0.488 ng
RT: 18.00 min Scan# 2552
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

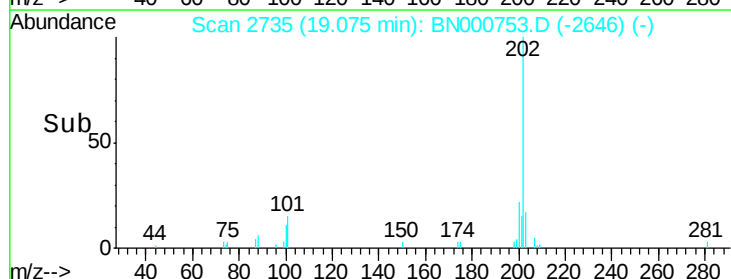
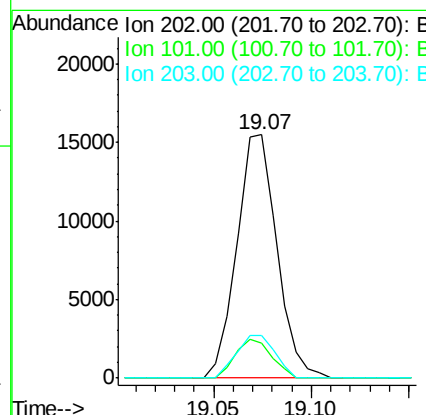
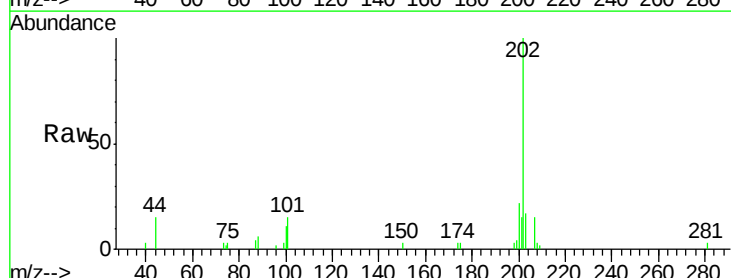
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

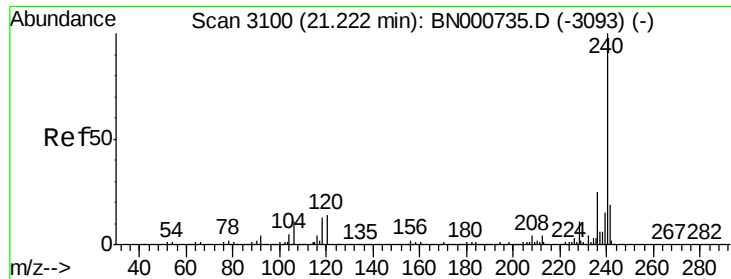
Tot Ion:149 Resp: 14049
Ion Ratio Lower Upper
149 100
150 8.9 7.8 11.6
104 6.1 3.9 5.9#



#74
Fluoranthene
Concen: 0.797 ng
RT: 19.07 min Scan# 2735
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

Tgt Ion:202 Resp: 22035
Ion Ratio Lower Upper
202 100
101 14.5 0.0 28.9
203 17.3 0.0 37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.21 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

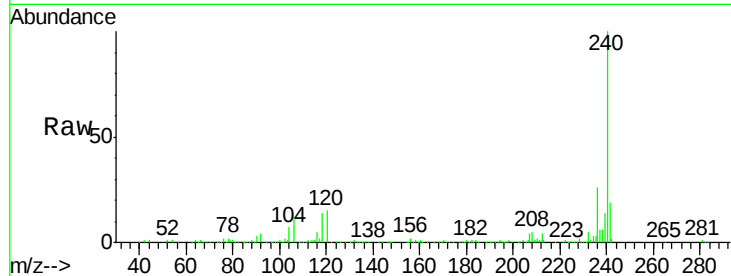
Tot Ion:240 Resp: 436152

Ion Ratio Lower Upper

240 100

120 15.5 6.8 10.2#

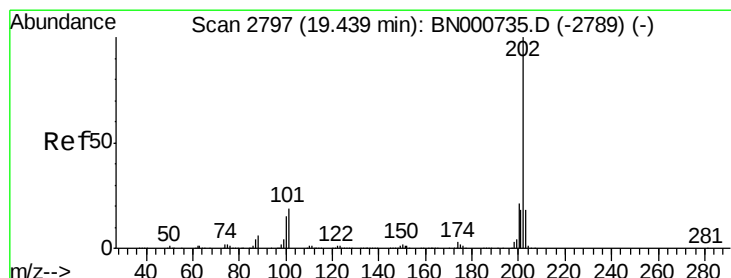
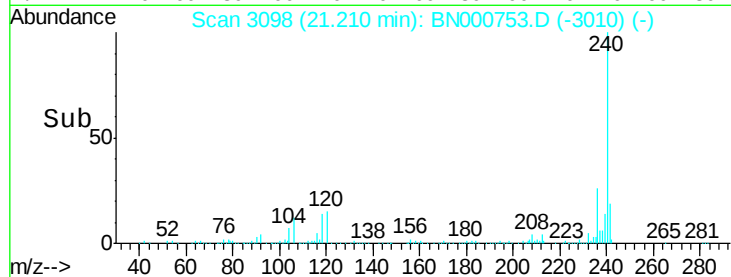
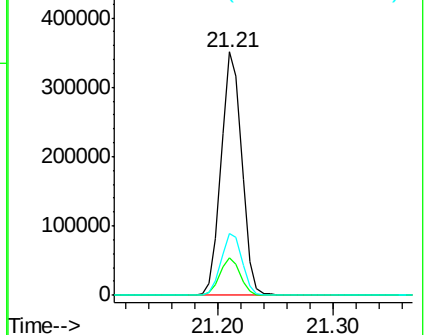
236 25.6 20.9 31.3



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



#77

Pyrene

Concen: 0.750 ng

RT: 19.43 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

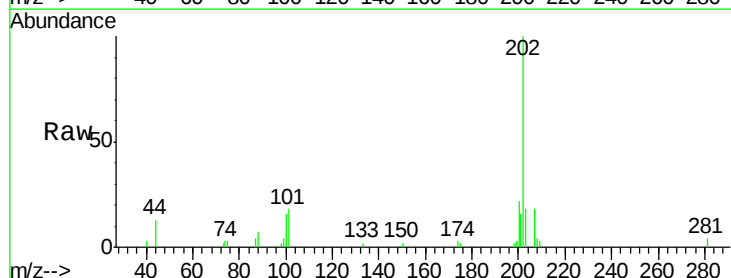
Tgt Ion:202 Resp: 23552

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

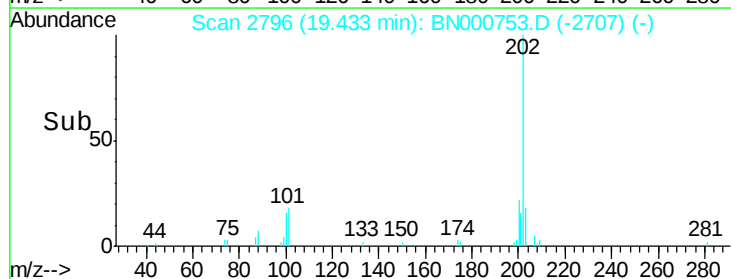
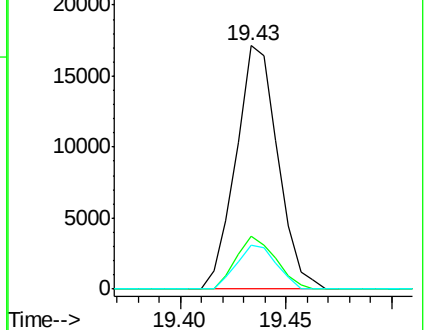
203 17.9 13.9 20.9

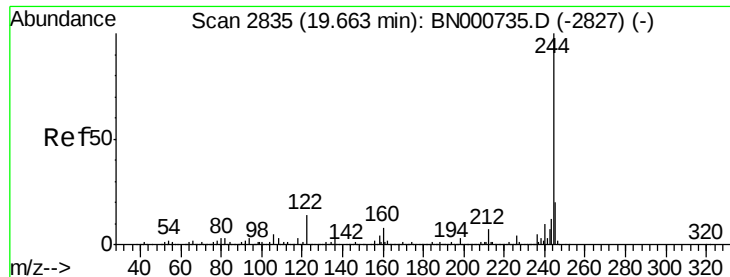


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 83.227 ng

RT: 19.66 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

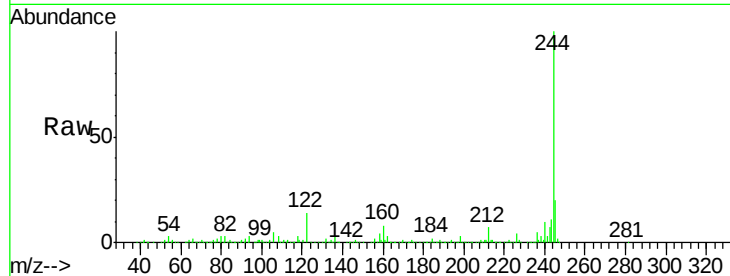
Tot Ion:244 Resp: 1683542

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

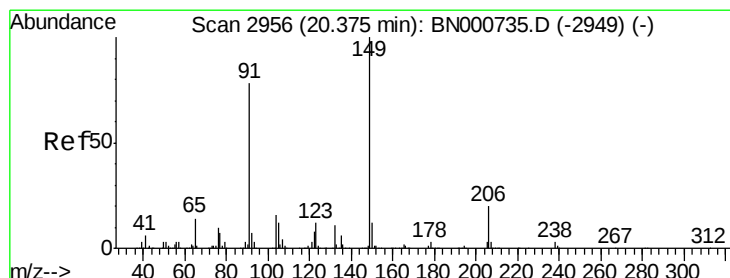
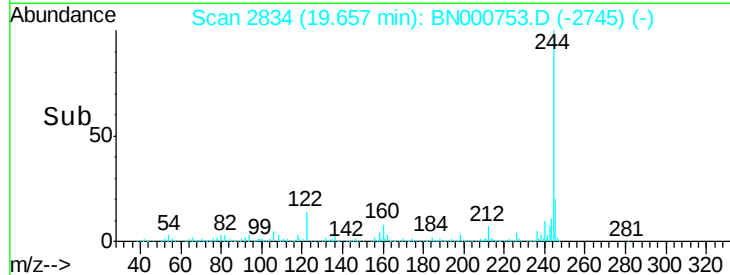
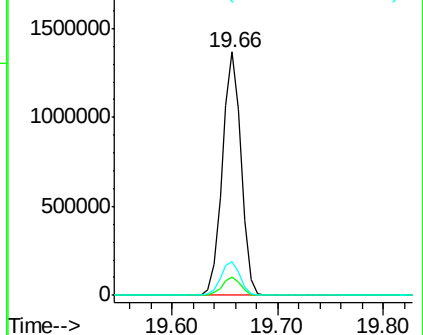
122 14.1 7.0 10.4#



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



#79

Butylbenzylphthalate

Concen: 0.350 ng

RT: 20.36 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

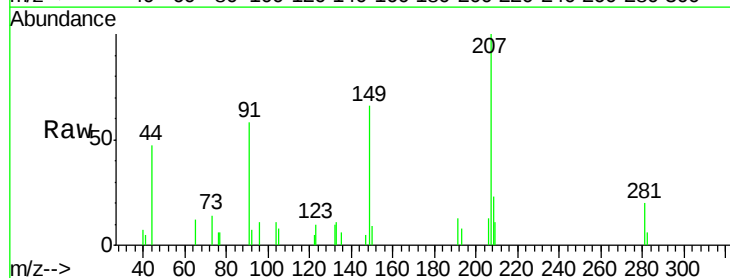
Tgt Ion:149 Resp: 4638

Ion Ratio Lower Upper

149 100

91 88.9 62.2 93.2

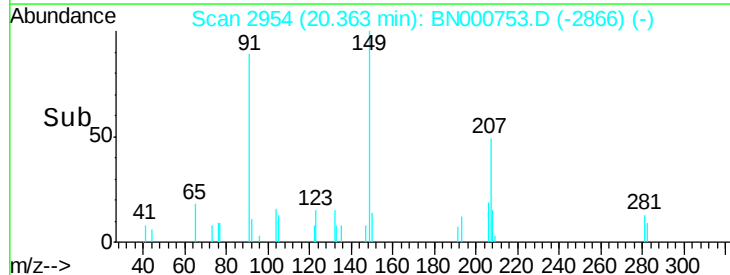
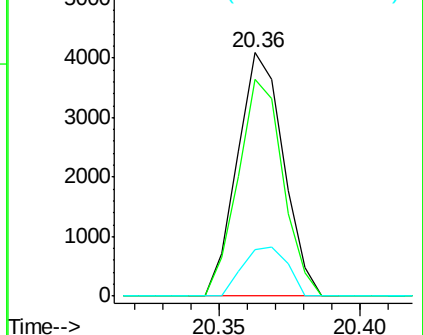
206 19.3 18.6 27.8

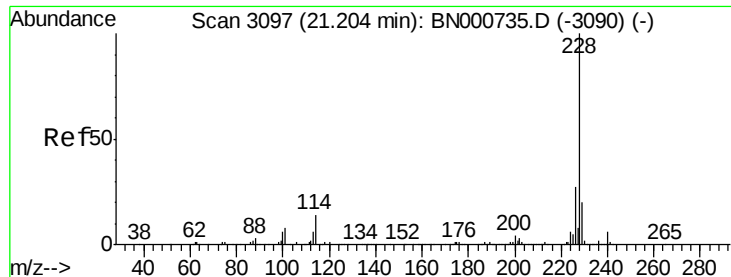


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E

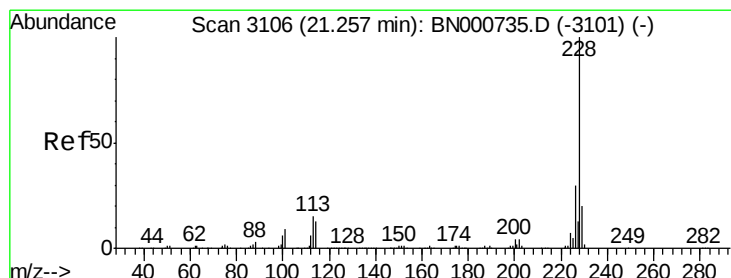
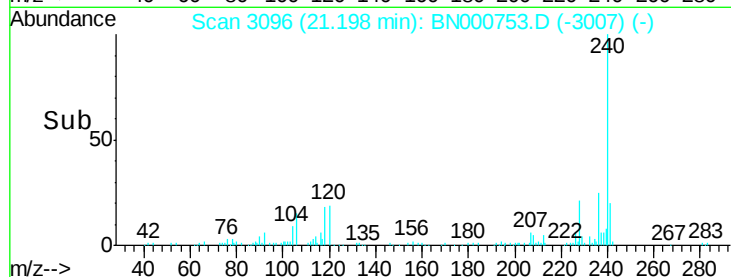
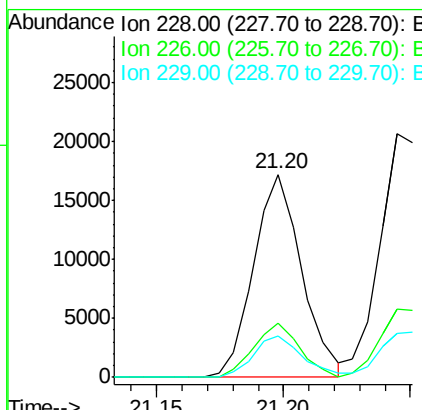
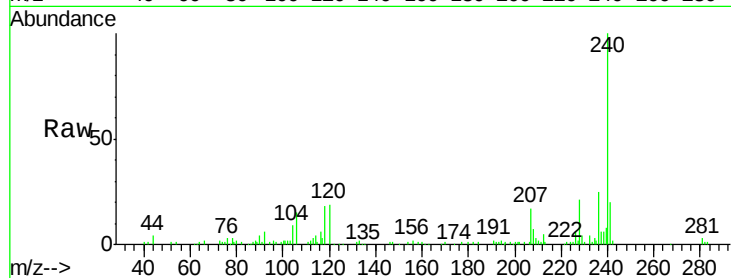




#80
Benzo(a)anthracene
Concen: 0.831 ng
RT: 21.20 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

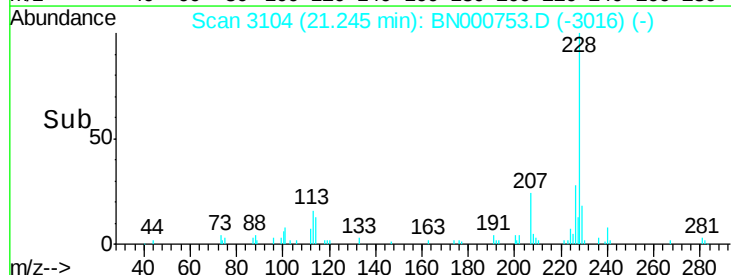
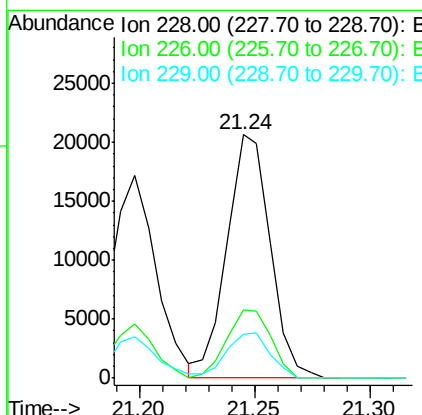
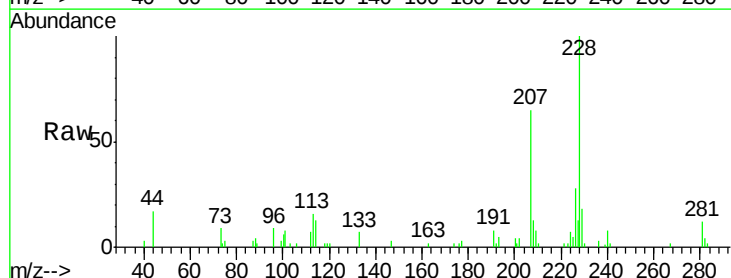
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

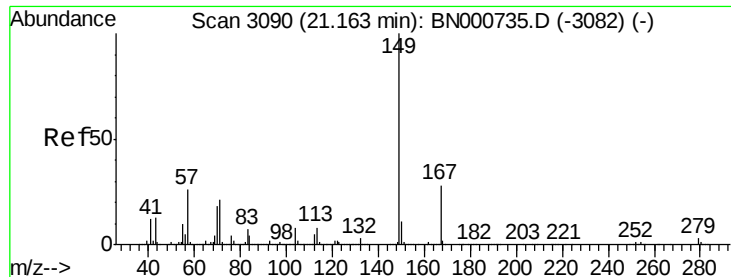
Tot Ion:228 Resp: 22838
Ion Ratio Lower Upper
228 100
226 26.8 22.7 34.1
229 20.6 16.2 24.2



#82
Chrysene
Concen: 1.012 ng
RT: 21.24 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN000753.D
Acq: 18 Apr 2018 23:07

Tgt Ion:228 Resp: 26940
Ion Ratio Lower Upper
228 100
226 28.0 24.9 37.3
229 18.2 15.0 22.4

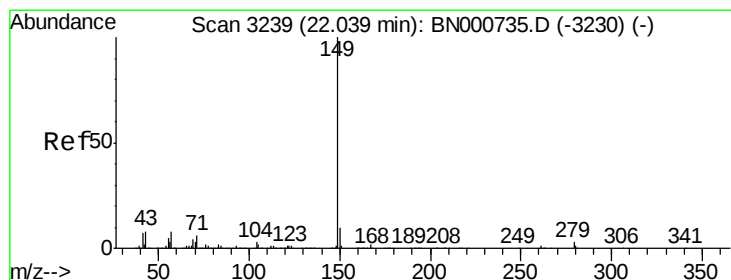
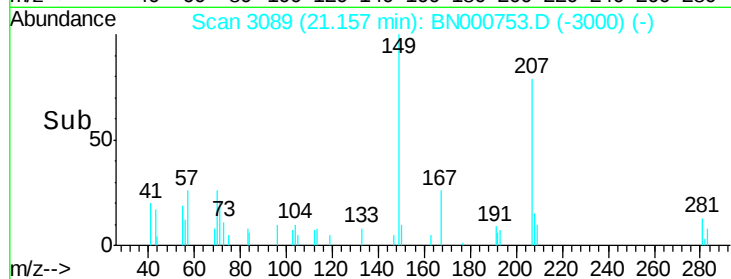
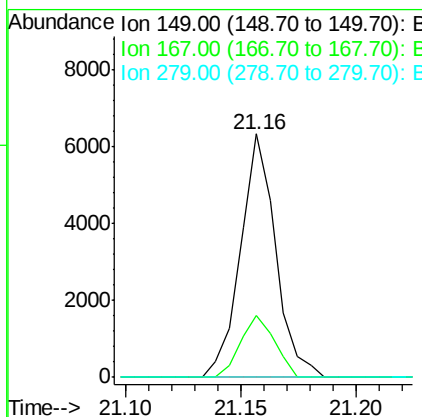
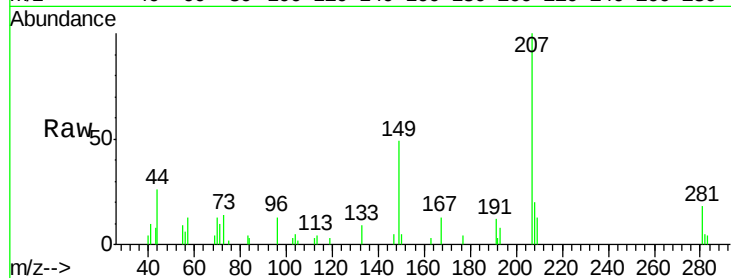




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.333 ng
 RT: 21.16 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

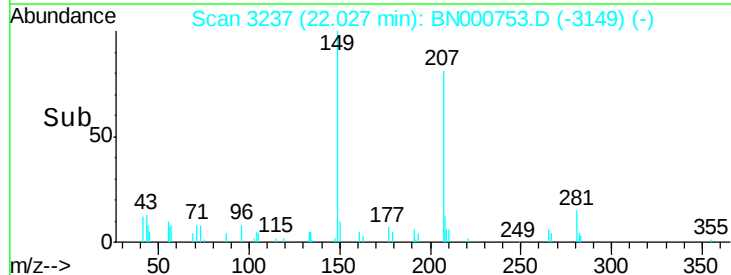
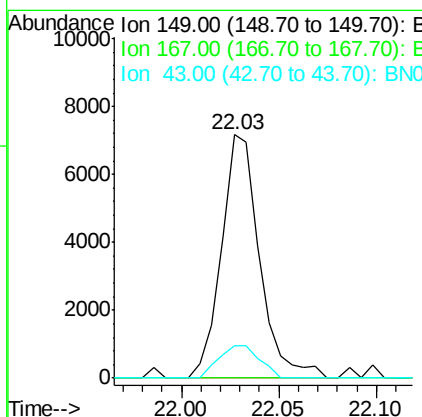
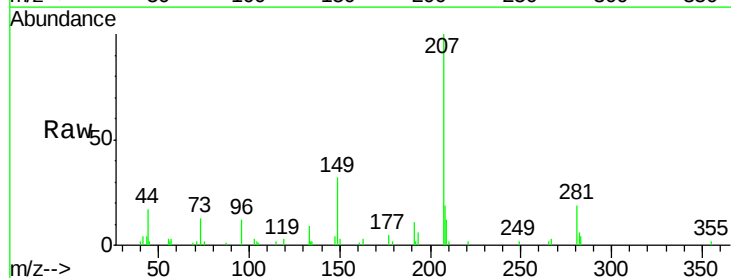
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

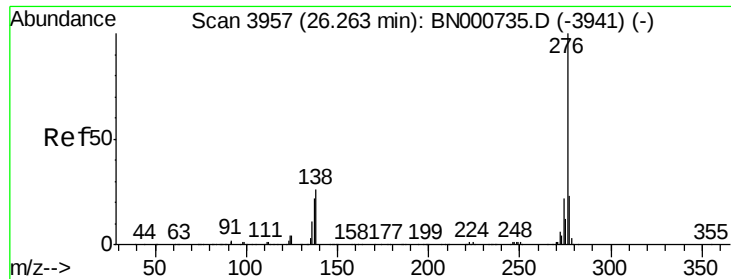
Tot Ion:149 Resp: 6726
 Ion Ratio Lower Upper
 149 100
 167 25.5 24.3 36.5
 279 0.0 4.0 6.0#



#84
 Di-n-octyl phthalate
 Concen: 0.336 ng
 RT: 22.03 min Scan# 3237
 Delta R.T. -0.01 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

Tgt Ion:149 Resp: 9723
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.4 2.0#
 43 14.1 8.9 13.3#

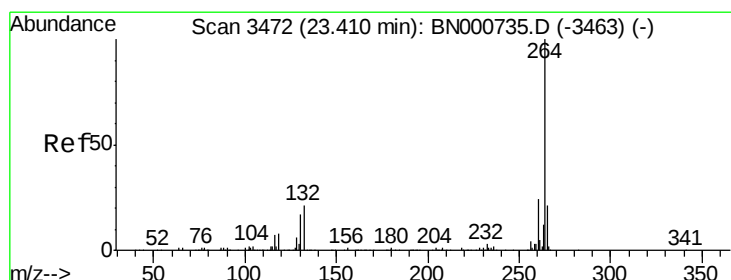
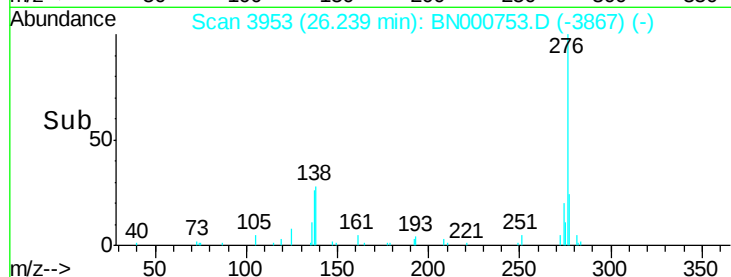
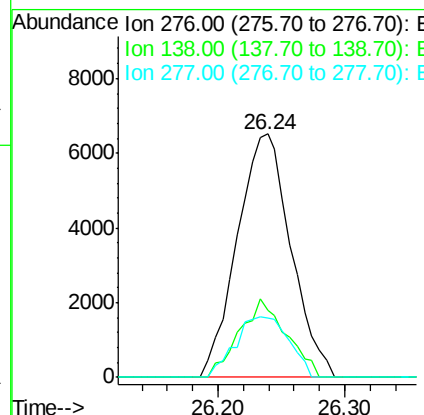
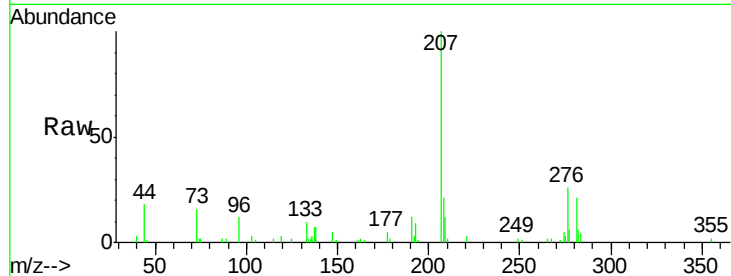




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.834 ng
 RT: 26.24 min Scan# 3953
 Delta R.T. -0.02 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

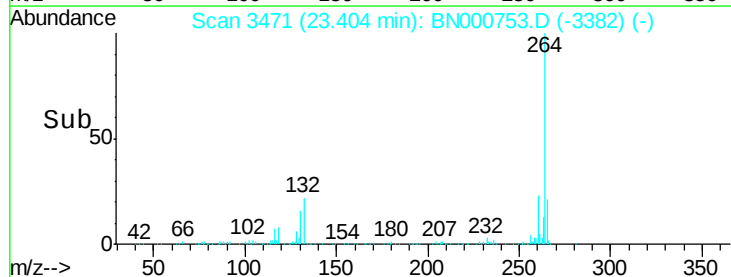
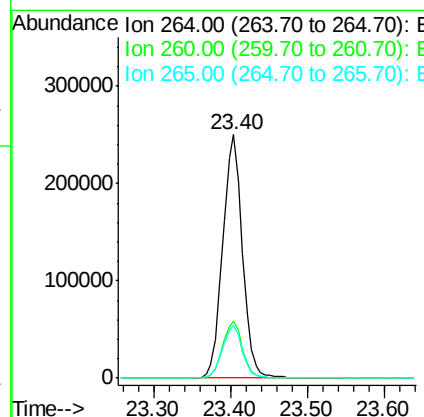
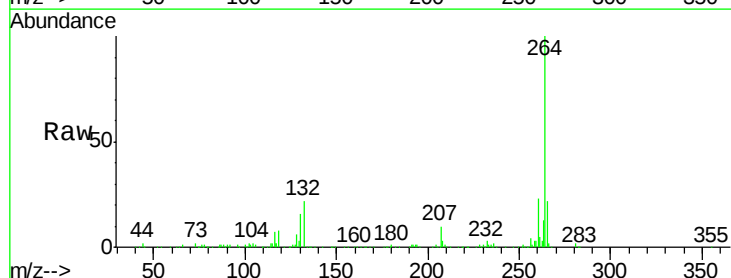
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

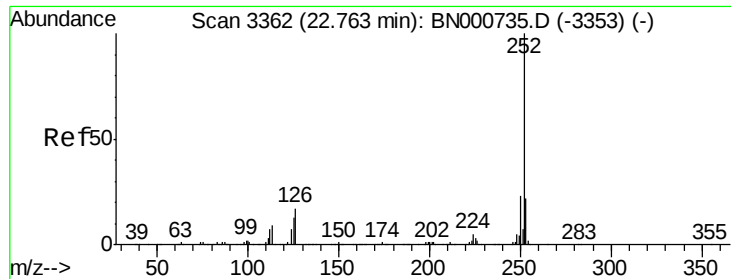
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.3	16.0	24.0#
277	24.9	20.0	30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.40 min Scan# 3471
 Delta R.T. -0.01 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.6	17.7	26.5





#87

Benzo(b)fluoranthene

Concen: 0.814 ng

RT: 22.75 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

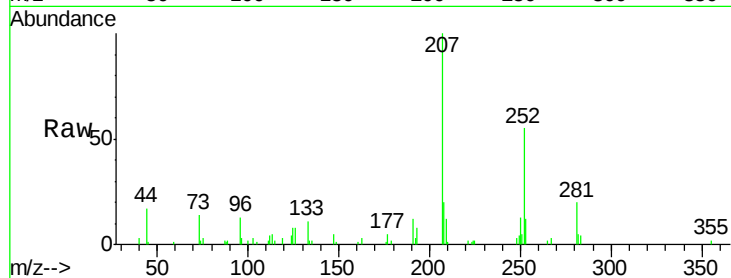
Tot Ion:252 Resp: 21885

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

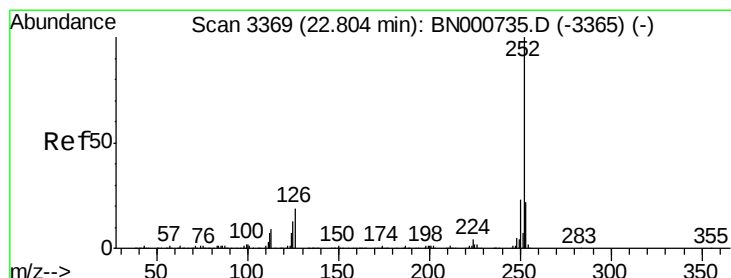
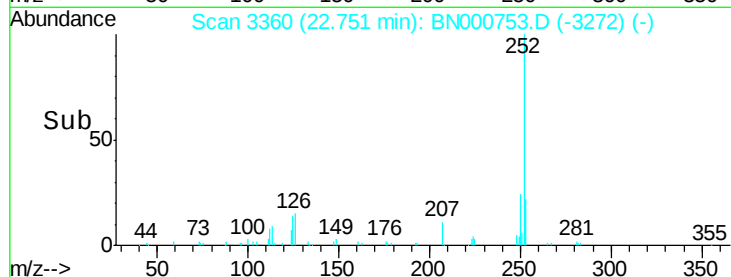
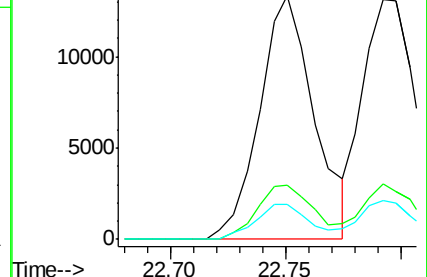
125 14.3 7.2 10.8#



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



#88

Benzo(k)fluoranthene

Concen: 0.809 ng

RT: 22.79 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

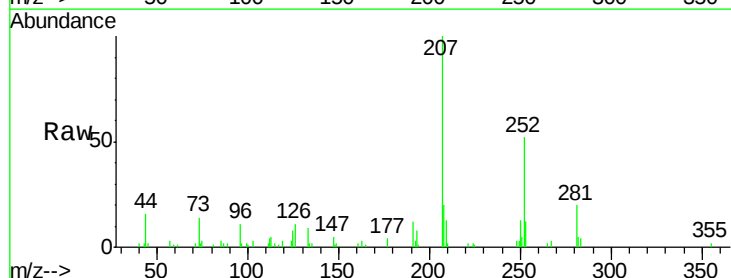
Tgt Ion:252 Resp: 21673

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

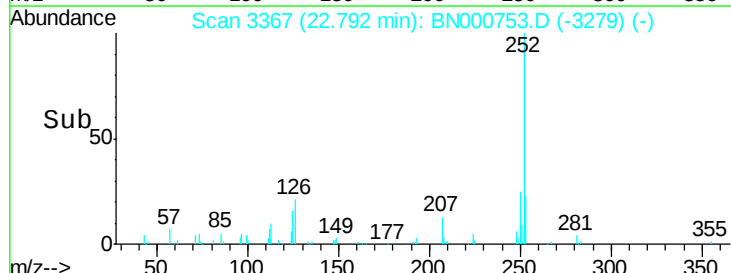
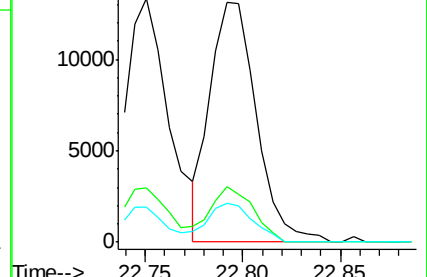
125 16.0 6.6 9.8#

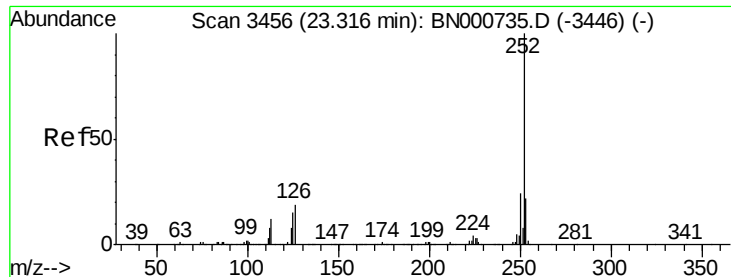


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.705 ng

RT: 23.30 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

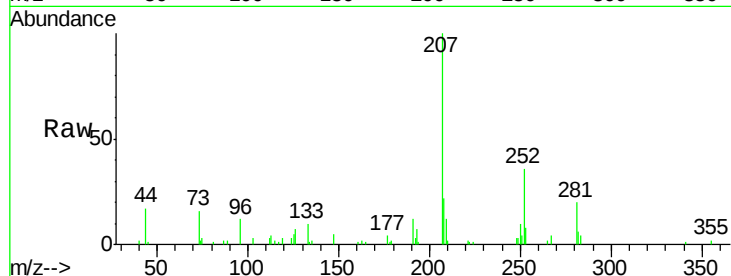
Tot Ion:252 Resp: 17296

Ion Ratio Lower Upper

252 100

253 20.9 18.3 27.5

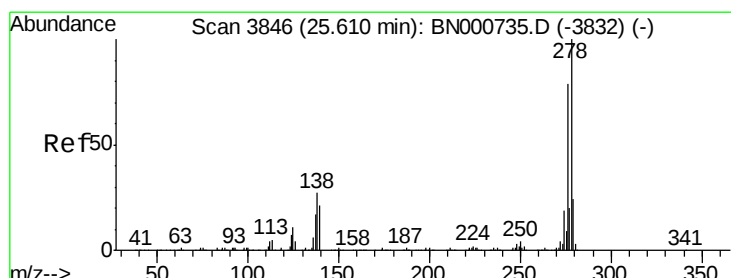
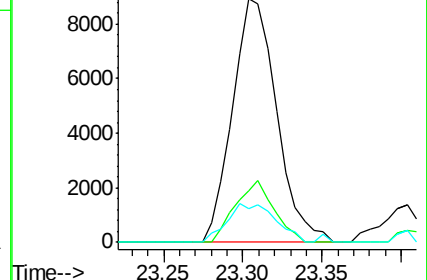
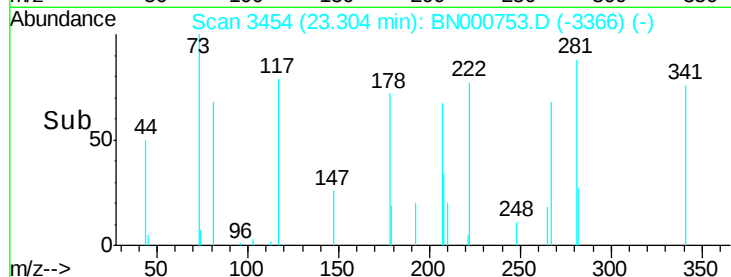
125 13.8 7.3 10.9#



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: 0.814 ng

RT: 25.59 min Scan# 3843

Delta R.T. -0.02 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

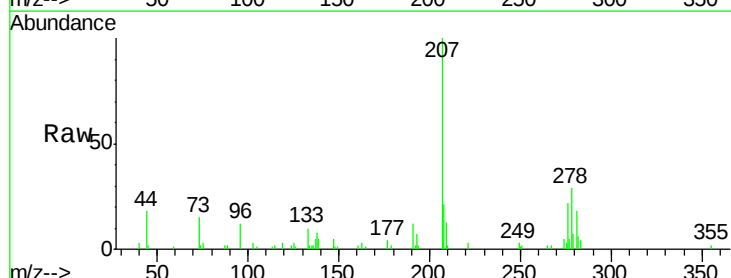
Tgt Ion:278 Resp: 19672

Ion Ratio Lower Upper

278 100

139 18.2 9.8 14.6#

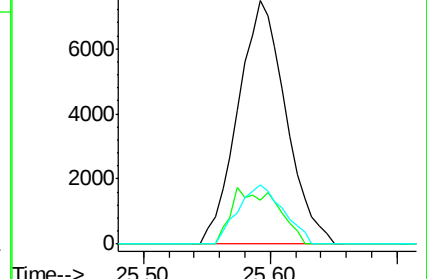
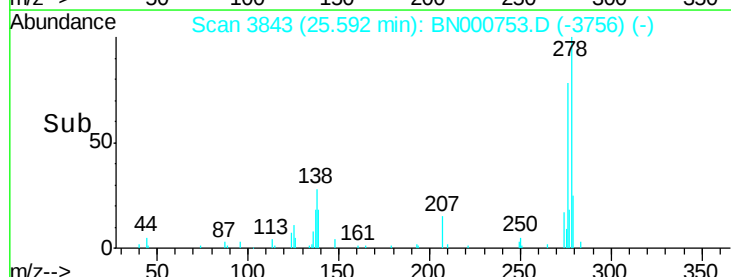
279 24.5 18.4 27.6

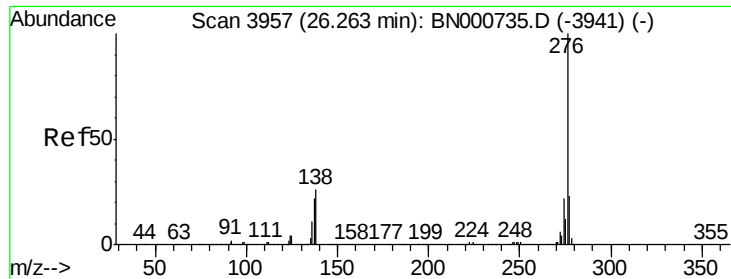


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

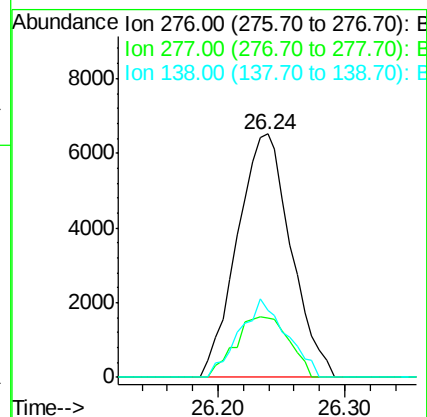
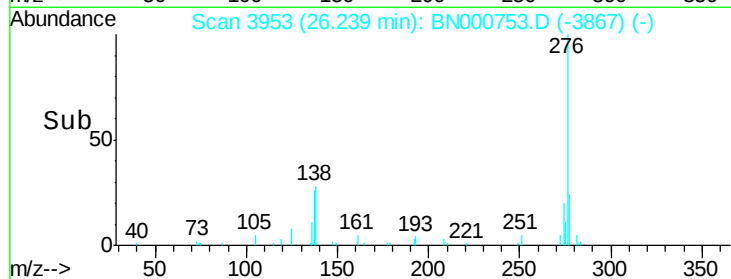
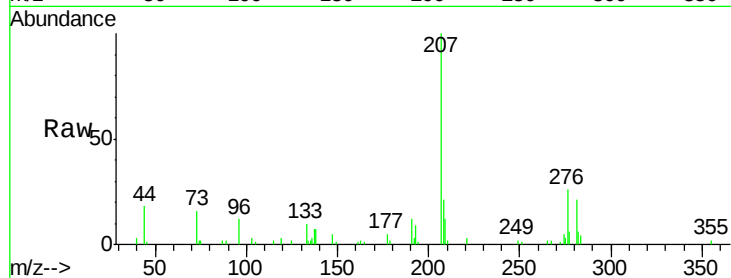




#91
 Benzo(a,h,i)perylene
 Concen: 0.809 ng
 RT: 26.24 min Scan# 3953
 Delta R.T. -0.02 min
 Lab File: BN000753.D
 Acq: 18 Apr 2018 23:07

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.3	27.5
138	27.5	13.9	20.9



Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000753.D
 Acq On : 18 Apr 2018 23:07
 Operator : JU/SJ
 Sample : J2133-07
 Misc : 1PPM LOD
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Apr 19 07:05:28 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 16:58:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	113151	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	470206	20.00	ng	0.00
38) Acenaphthene-d10	14.26	164	235290	20.00	ng	0.00
63) Phenanthrene-d10	17.01	188	473750	20.00	ng	0.00
75) Chrysene-d12	21.21	240	436152	20.00	ng	-0.01
86) Perylene-d12	23.40	264	442466	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1037338	136.19	ng	0.00
7) Phenol-d6	6.81	99	1349714	130.03	ng	0.00
23) Nitrobenzene-d5	8.78	82	729565	80.88	ng	0.00
41) 2,4,6-Tribromophenol	15.75	330	335856	141.79	ng	0.00
44) 2-Fluorobiphenyl	12.88	172	1463942	85.89	ng	0.00
78) Terphenyl-d14	19.66	244	1683542	83.23	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.98	93	11028	0.801	ng	92
8) 2-Chlorophenol	7.20	128	7889	1.001	ng	98
9) Benzaldehyde	6.79	77	5263	Below Cal		94
10) Phenol	6.83	94	10458	0.956	ng	# 81
11) bis(2-Chloroethyl)ether	7.07	93	8137	0.909	ng	87
12) 1,3-Dichlorobenzene	7.52	146	9240	1.010	ng	95
13) 1,4-Dichlorobenzene	7.66	146	9398	1.012	ng	91
14) 1,2-Dichlorobenzene	7.98	146	9277	1.046	ng	94
15) Benzyl Alcohol	7.87	79	4939	0.692	ng	88
16) 2,2'-oxybis(1-Chloropropan	8.16	45	9084	0.956	ng	73
18) Hexachloroethane	8.70	117	3070	0.897	ng	# 76
24) Nitrobenzene	8.82	77	9727	1.006	ng	94
31) Naphthalene	10.45	128	25724	1.018	ng	98
34) Hexachlorobutadiene	10.74	225	3918	0.940	ng	95
37) 2-Methylnaphthalene	12.06	142	15336	0.926	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.43	216	7418	1.017	ng	# 97
45) 1,1'-Biphenyl	13.09	154	25142	1.194	ng	97
46) 2-Chloronaphthalene	13.13	162	15857	1.004	ng	99
47) 2-Nitroaniline	13.33	65	1978	0.432	ng	96
48) Acenaphthylene	13.98	152	19822	0.792	ng	97
49) Dimethylphthalate	13.73	163	14726	0.783	ng	# 98
50) 2,6-Dinitrotoluene	13.84	165	1914	0.481	ng	93
51) Acenaphthene	14.32	154	14960	0.980	ng	97
54) Dibenzofuran	14.66	168	22053	0.993	ng	98
57) Fluorene	15.31	166	15939	0.908	ng	98
58) 2,3,4,6-Tetrachlorophenol	14.89	232	1931	0.491	ng	# 73
59) Diethylphthalate	15.10	149	12818	0.688	ng	100
62) Azobenzene	15.61	77	12580	0.630	ng	89
65) n-Nitrosodiphenylamine	15.53	169	11099	0.698	ng	100
66) 4-Bromophenyl-phenylether	16.21	248	4273	0.888	ng	96
67) Hexachlorobenzene	16.32	284	5359	0.962	ng	# 93
68) Atrazine	16.49	200	1618	0.375	ng	# 76
70) Phenanthrene	17.05	178	27472	1.001	ng	98
71) Anthracene	17.14	178	21366	0.795	ng	98

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000753.D
 Acq On : 18 Apr 2018 23:07
 Operator : JU/SJ
 Sample : J2133-07
 Misc : 1PPM LOD
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Apr 19 07:05:28 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 16:58:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Carbazole	17.41	167	17247	0.683	nq	96
73) Di-n-butylphthalate	18.00	149	14049	0.488	nq #	97
74) Fluoranthene	19.07	202	22035	0.797	nq	95
77) Pyrene	19.43	202	23552	0.750	nq	99
79) Butylbenzylphthalate	20.36	149	4638	0.350	nq	88
80) Benzo(a)anthracene	21.20	228	22838	0.831	nq	98
82) Chrysene	21.24	228	26940	1.012	nq	96
83) Bis(2-ethylhexyl)phthalate	21.16	149	6726	0.333	nq #	90
84) Di-n-octyl phthalate	22.03	149	9723	0.336	nq #	93
85) Indeno(1,2,3-cd)pyrene	26.24	276	19089	0.834	nq #	92
87) Benzo(b)fluoranthene	22.75	252	21885	0.814	nq #	95
88) Benzo(k)fluoranthene	22.79	252	21673	0.809	nq #	92
89) Benzo(a)pyrene	23.30	252	17296	0.705	nq #	93
90) Dibenzo(a,h)anthracene	25.59	278	19672	0.814	nq #	93
91) Benzo(a,h,i)perylene	26.24	276	19089	0.809	nq #	88

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