

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE051618\  
 Data File : BE096597.D  
 Acq On : 16 May 2018 17:18  
 Operator : SJ/JU  
 Sample : J2133-09  
 Misc : MDL 0.1  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MDL-WATER-03-QT2-2018

Quant Time: May 17 03:57:09 2018  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 15 13:02:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.35  | 152  | 692      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.18 | 136  | 2866     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.92 | 164  | 1683     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.64 | 188  | 3807     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.73 | 240  | 3640     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.33 | 264  | 3284     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.85  | 112  | 645      | 0.34 | ng    | 0.00     |
| 5) Phenol-d6                | 7.50  | 99   | 876      | 0.32 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.53  | 82   | 1042     | 0.34 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.72 | 152  | 1743     | 0.37 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.40 | 330  | 190      | 0.29 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.56 | 172  | 2658     | 0.37 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.63 | 212  | 17232    | 0.37 | ng    | 0.00     |
| 29) Terphenyl-d14           | 20.18 | 244  | 2702     | 0.33 | ng    | 0.00     |

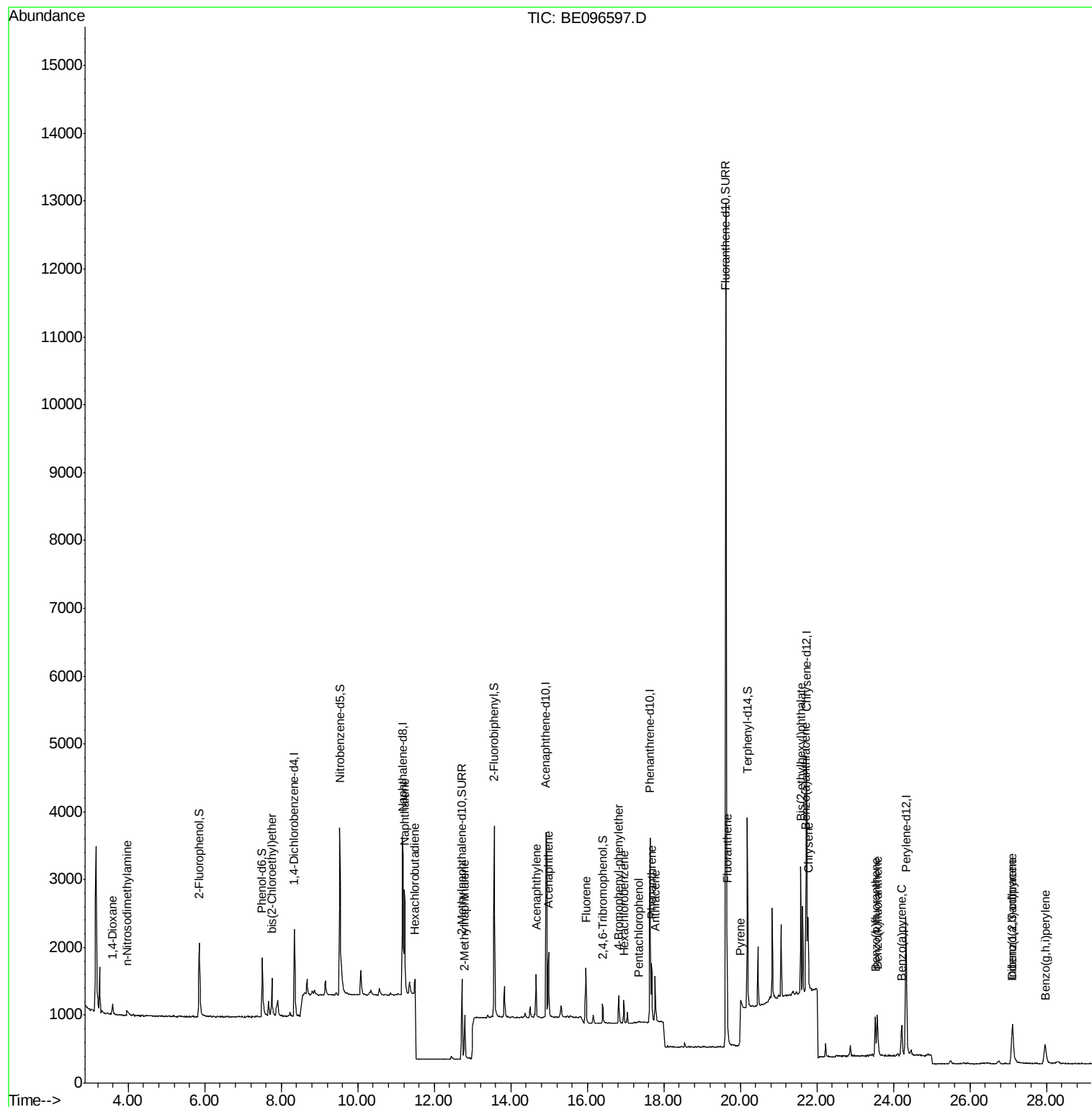
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.58  | 88   | 106      | 0.102 | ng    | 88     |
| 3) n-Nitrosodimethylamine      | 3.97  | 42   | 95       | 0.073 | ng    | # 72   |
| 6) bis(2-Chloroethyl)ether     | 7.75  | 93   | 251      | 0.099 | ng    | 79     |
| 9) Naphthalene                 | 11.22 | 128  | 2864     | 0.095 | ng    | # 94   |
| 10) Hexachlorobutadiene        | 11.49 | 225  | 155      | 0.092 | ng    | 96     |
| 12) 2-Methylnaphthalene        | 12.79 | 142  | 471      | 0.091 | ng    | # 87   |
| 16) Acenaphthylene             | 14.66 | 152  | 748      | 0.085 | ng    | 96     |
| 17) Acenaphthene               | 14.99 | 154  | 492      | 0.092 | ng    | 90     |
| 18) Fluorene                   | 15.96 | 166  | 785      | 0.118 | ng    | # 66   |
| 20) 4-Bromophenyl-phenylether  | 16.82 | 248  | 203      | 0.088 | ng    | # 70   |
| 21) Hexachlorobenzene          | 16.95 | 284  | 208      | 0.086 | ng    | # 80   |
| 22) Pentachlorophenol          | 17.33 | 266  | 22       | 0.211 | ng    | 95     |
| 23) Phenanthrene               | 17.67 | 178  | 978      | 0.091 | ng    | 98     |
| 24) Anthracene                 | 17.77 | 178  | 827      | 0.083 | ng    | # 95   |
| 26) Fluoranthene               | 19.65 | 202  | 1146     | 0.090 | ng    | 96     |
| 28) Pyrene                     | 20.00 | 202  | 452      | 0.069 | ng    | # 91   |
| 30) Benzo(a)anthracene         | 21.72 | 228  | 967      | 0.086 | ng    | # 93   |
| 31) Chrysene                   | 21.78 | 228  | 1043     | 0.090 | ng    | # 86   |
| 32) Bis(2-ethylhexyl)phthalate | 21.58 | 149  | 2045     | 0.085 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 27.11 | 276  | 936      | 0.084 | ng    | # 90   |
| 35) Benzo(b)fluoranthene       | 23.53 | 252  | 883      | 0.087 | ng    | # 89   |
| 36) Benzo(k)fluoranthene       | 23.58 | 252  | 975      | 0.091 | ng    | # 72   |
| 37) Benzo(a)pyrene             | 24.22 | 252  | 870      | 0.090 | ng    | # 72   |
| 38) Dibenzo(a,h)anthracene     | 27.12 | 278  | 697      | 0.079 | ng    | # 68   |
| 39) Benzo(g,h,i)perylene       | 27.97 | 276  | 824      | 0.089 | ng    | # 73   |

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.35 min Scan# 561

Delta R.T. 0.01 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

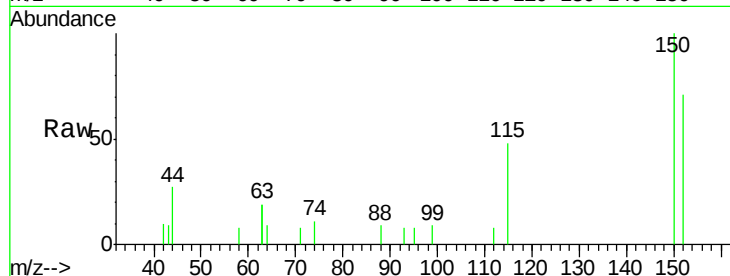
Tgt Ion: 152 Resp: 692

Ion Ratio Lower Upper

152 100

150 141.3 117.2 175.8

115 68.3 57.0 85.6



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

8.35

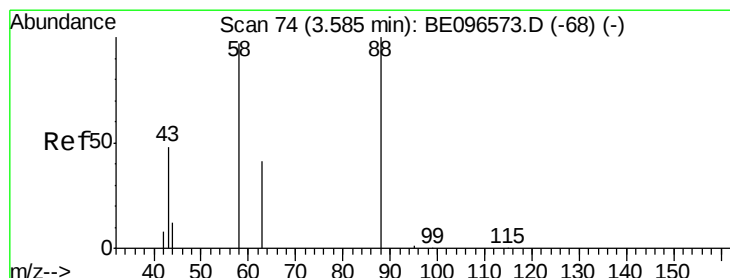
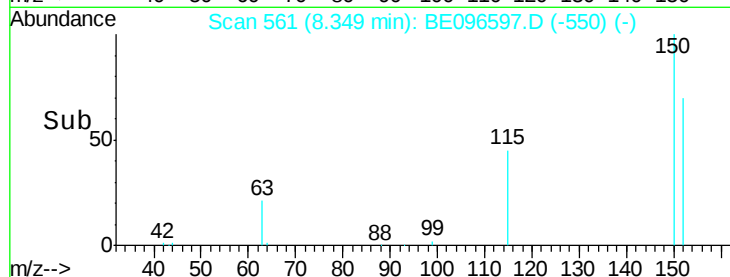
400

200

0

8.30 8.40 8.50

Time-->



#2

1,4-Dioxane

Concen: 0.102 ng

RT: 3.58 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

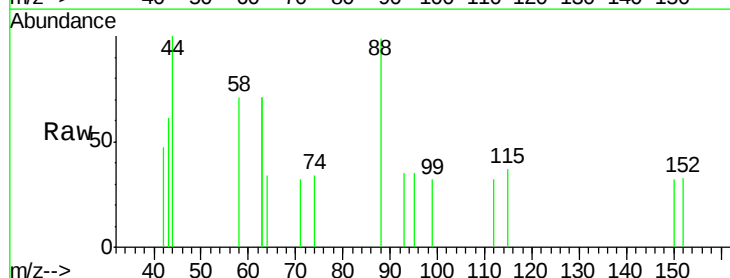
Tgt Ion: 88 Resp: 106

Ion Ratio Lower Upper

88 100

58 90.6 63.2 94.8

43 44.3 41.2 61.8



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.58

150

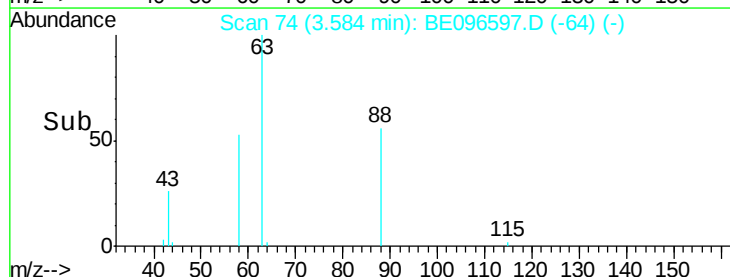
100

50

0

3.55 3.60 3.65

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.073 ng

RT: 3.97 min Scan# 113

Delta R.T. 0.02 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

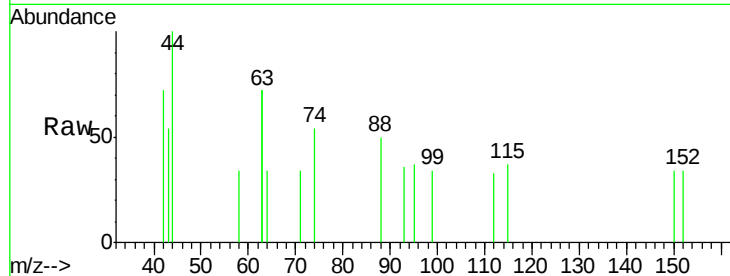
Tgt Ion: 42 Resp: 95

Ion Ratio Lower Upper

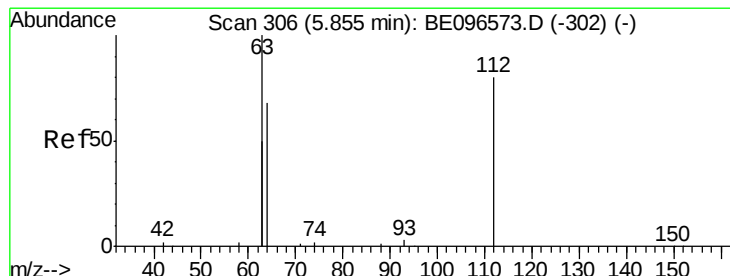
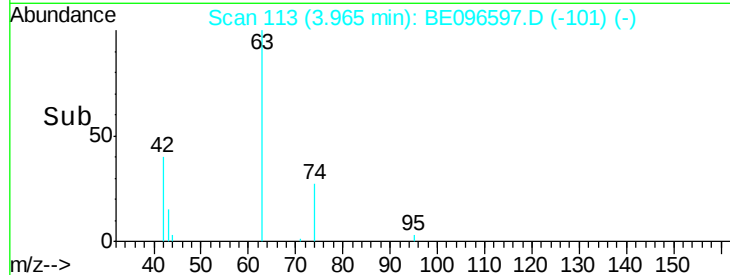
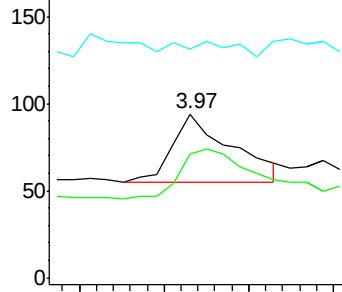
42 100

74 86.3 96.0 144.0#

44 20.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.338 ng

RT: 5.85 min Scan# 306

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

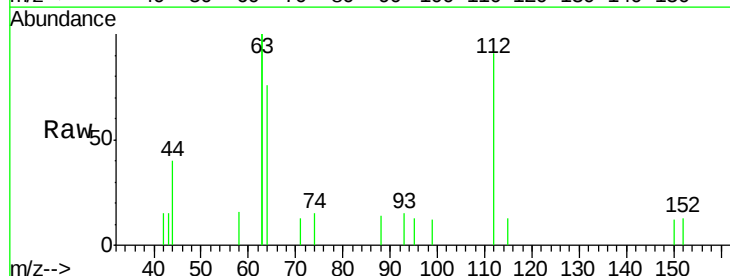
Tgt Ion: 112 Resp: 645

Ion Ratio Lower Upper

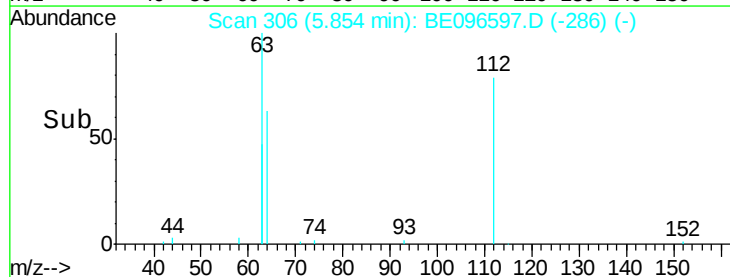
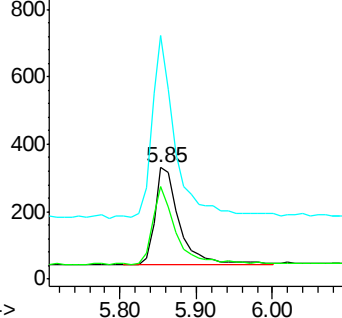
112 100

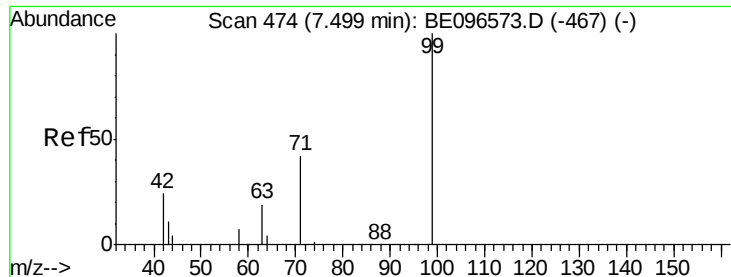
64 77.4 60.1 90.1

63 178.9 116.8 175.2#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.324 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

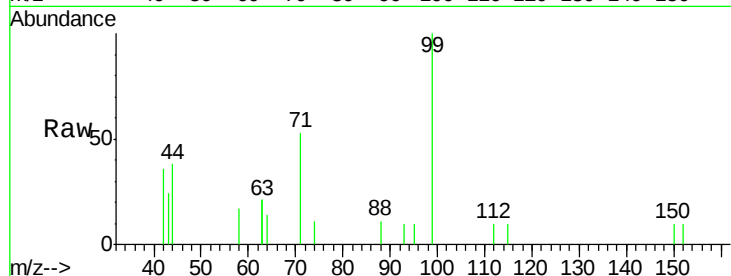
Tgt Ion: 99 Resp: 876

Ion Ratio Lower Upper

99 100

42 28.2 20.2 30.2

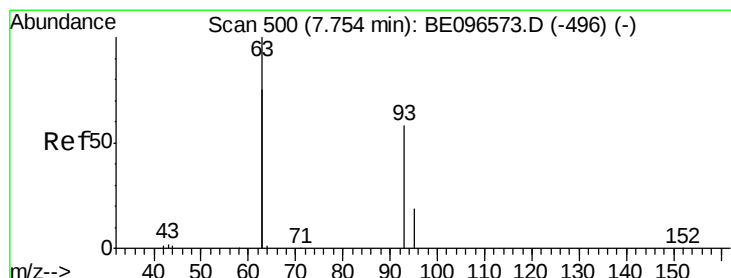
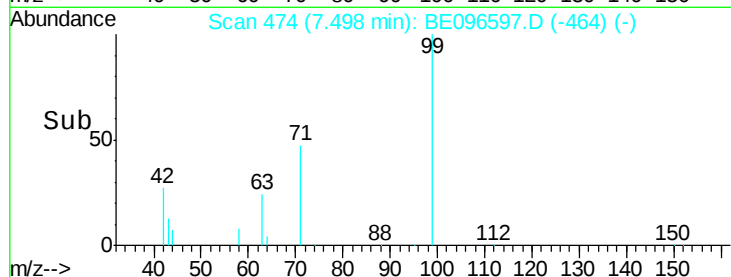
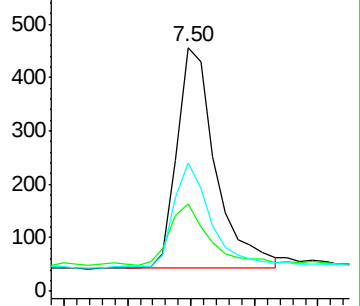
71 45.9 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.099 ng

RT: 7.75 min Scan# 500

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

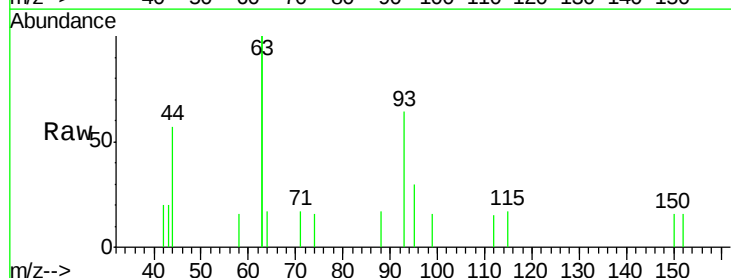
Tgt Ion: 93 Resp: 251

Ion Ratio Lower Upper

93 100

63 296.0 275.3 412.9

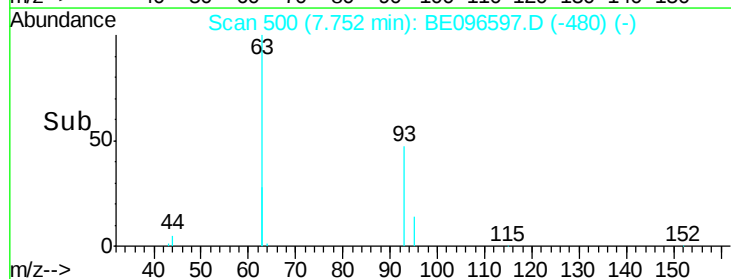
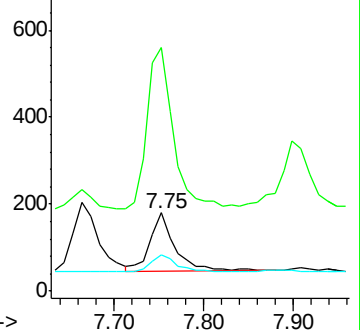
95 33.5 25.2 37.8

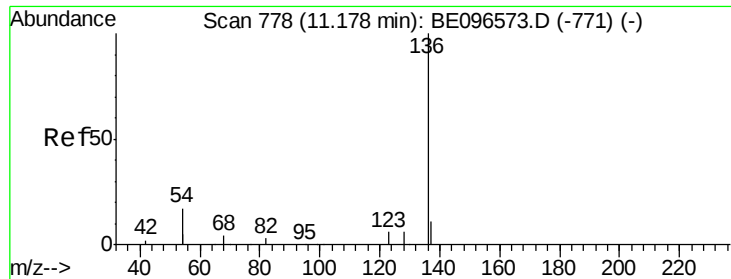


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.18 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

Tgt Ion: 136 Resp: 2866

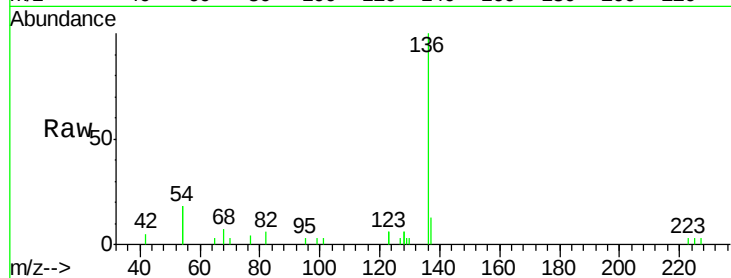
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 36.8 29.1 43.7

68 7.3 6.2 9.2

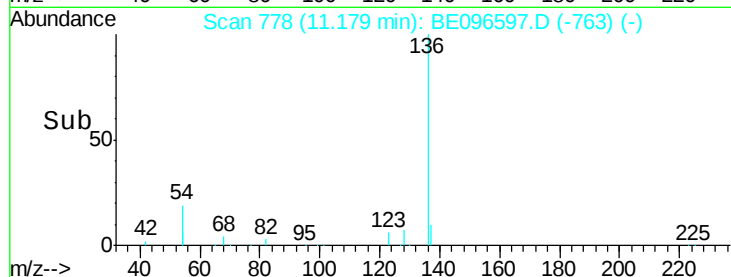


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Abundance

11.18

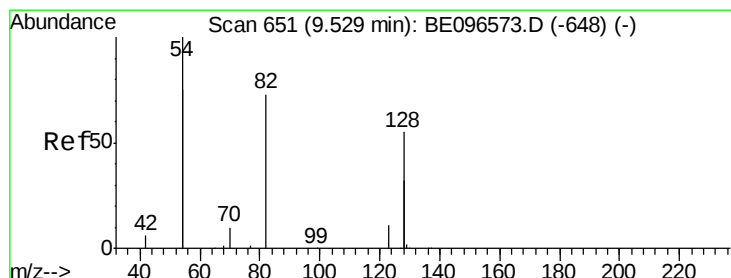
1500

1000

500

0

Time-->



#8

Nitrobenzene-d5

Concen: 0.342 ng

RT: 9.53 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

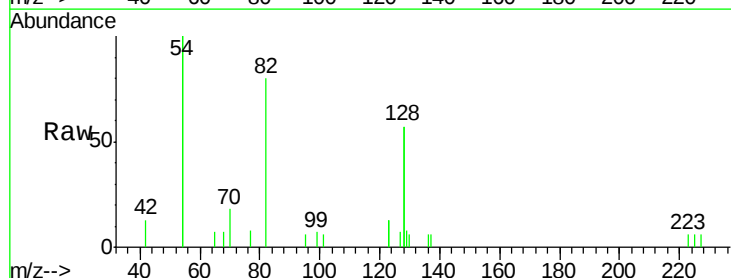
Tgt Ion: 82 Resp: 1042

Ion Ratio Lower Upper

82 100

128 143.1 150.0 225.0#

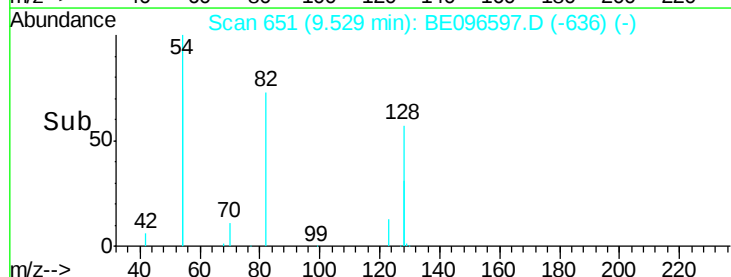
54 250.1 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Abundance

9.53

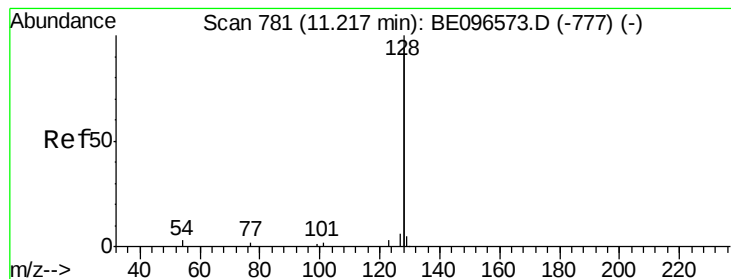
1500

1000

500

0

Time-->



#9

Naphthalene

Concen: 0.095 ng

RT: 11.22 min Scan# 781

Delta R.T. 0.00 min

Lab File: BE096597.D

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ClientSampleId :

MDL-WATER-03-QT2-2018

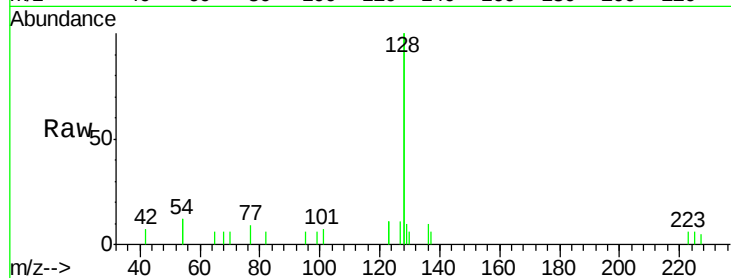
Tgt Ion:128 Resp: 2864

Ion Ratio Lower Upper

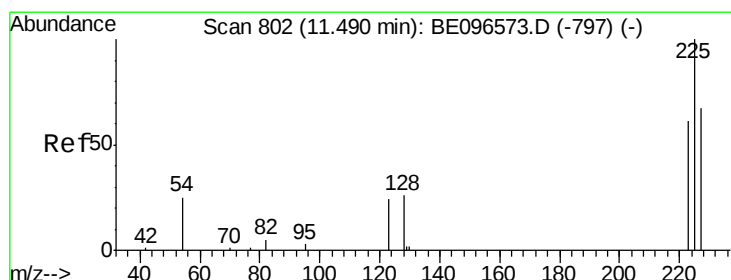
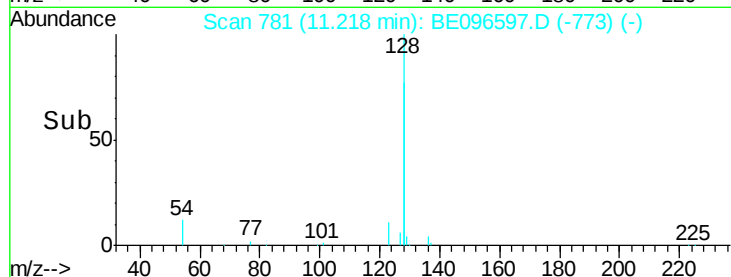
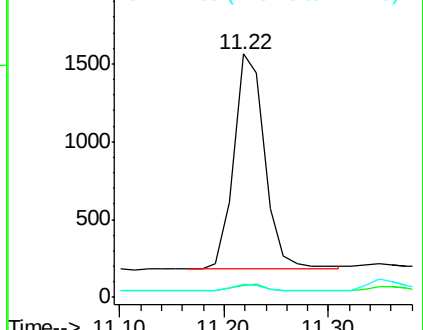
128 100

129 4.9 2.6 3.8#

127 5.6 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.092 ng

RT: 11.49 min Scan# 802

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

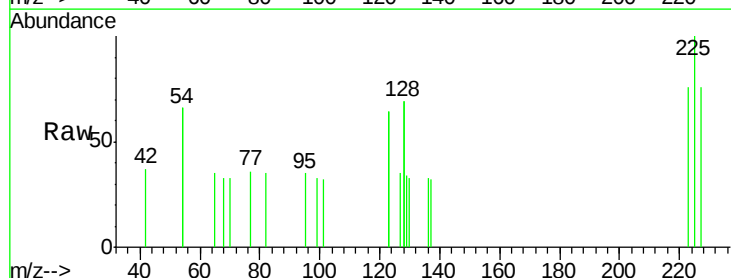
Tgt Ion:225 Resp: 155

Ion Ratio Lower Upper

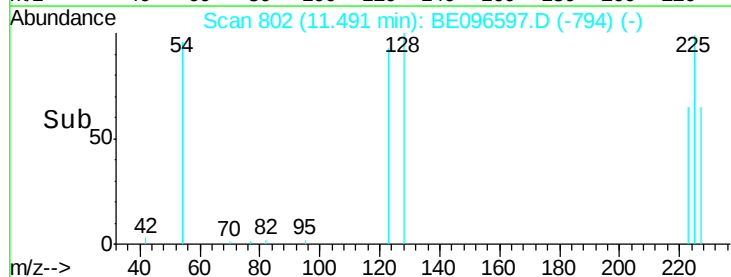
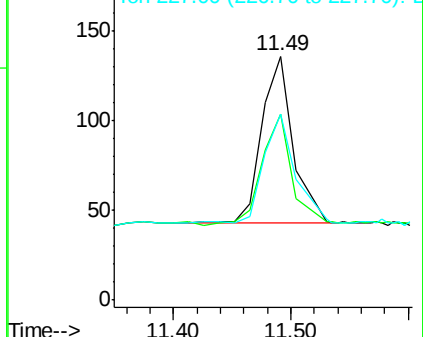
225 100

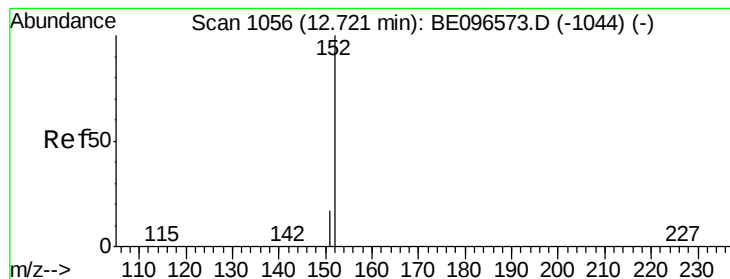
223 62.6 53.0 79.6

227 61.3 51.4 77.2



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

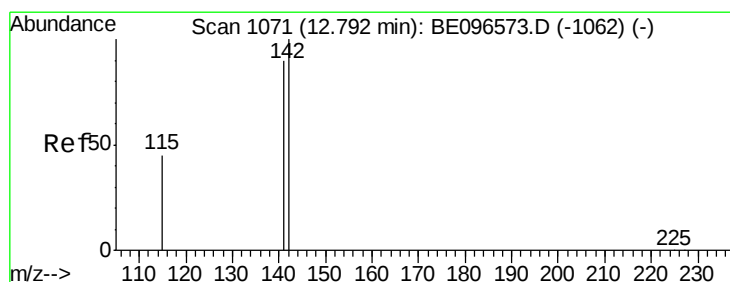
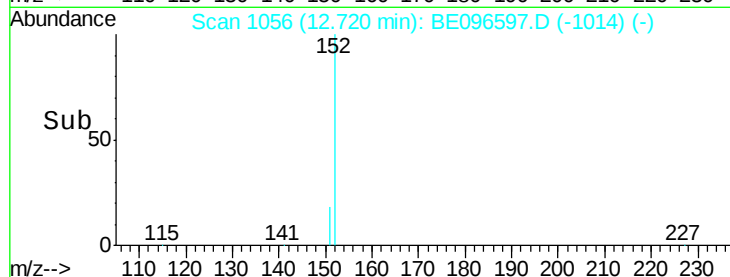
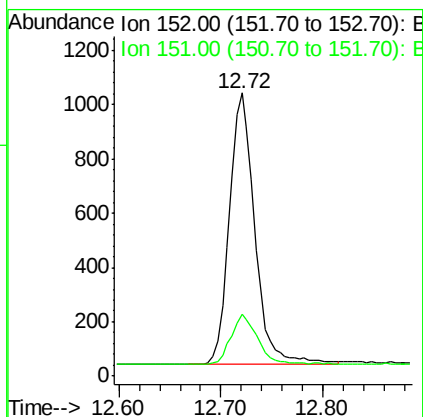
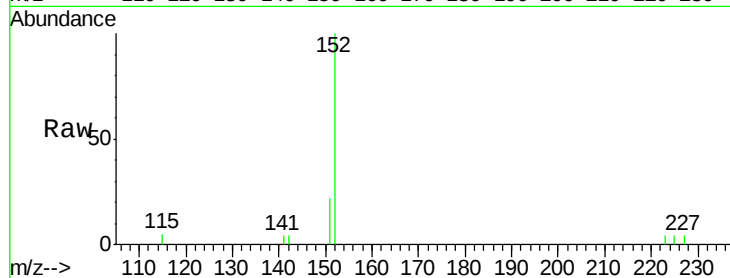




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.372 ng  
 RT: 12.72 min Scan# 1056  
 Delta R.T. -0.00 min  
 Lab File: BE096597.D  
 Acq: 16 May 2018 17:18

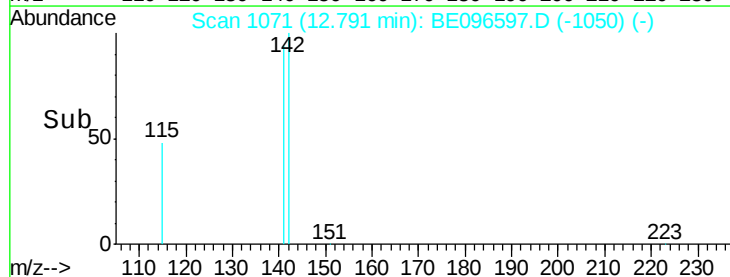
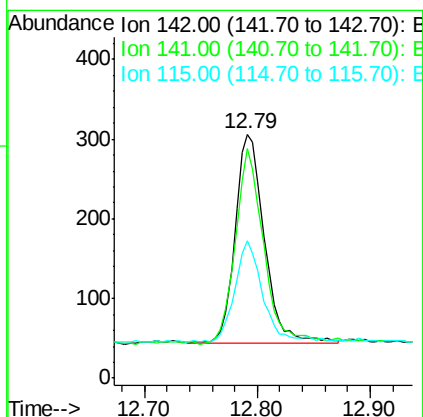
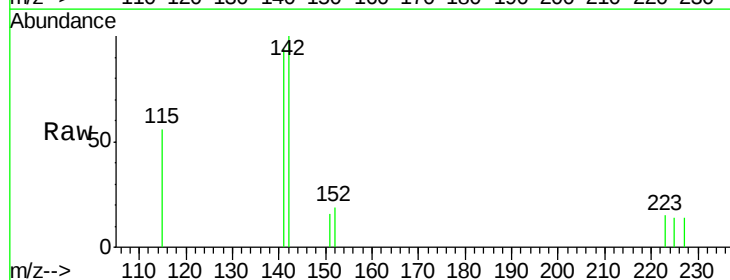
Instrument :  
 BNA\_E  
 ClientSampleId :  
 MDL-WATER-03-QT2-2018

Tgt Ion:152 Resp: 1743  
 Ion Ratio Lower Upper  
 152 100  
 151 19.4 15.4 23.0



#12  
 2-Methylnaphthalene  
 Concen: 0.091 ng  
 RT: 12.79 min Scan# 1071  
 Delta R.T. -0.00 min  
 Lab File: BE096597.D  
 Acq: 16 May 2018 17:18

Tgt Ion:142 Resp: 471  
 Ion Ratio Lower Upper  
 142 100  
 141 94.4 70.4 105.6  
 115 56.2 31.7 47.5#

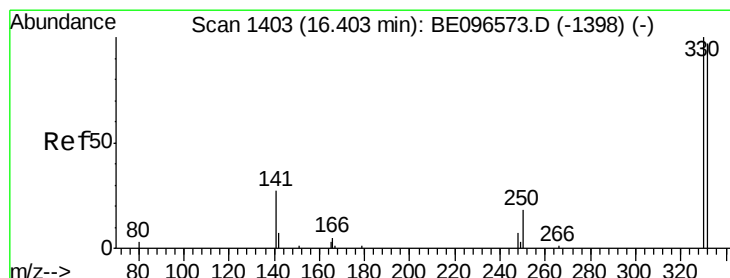
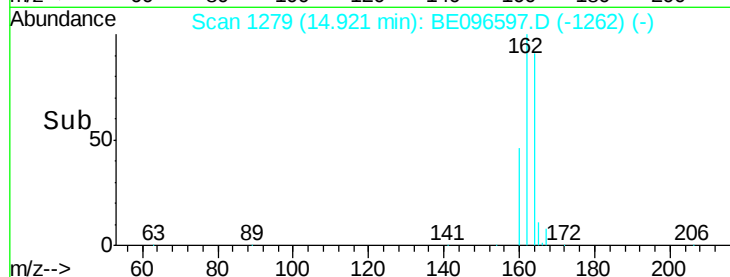
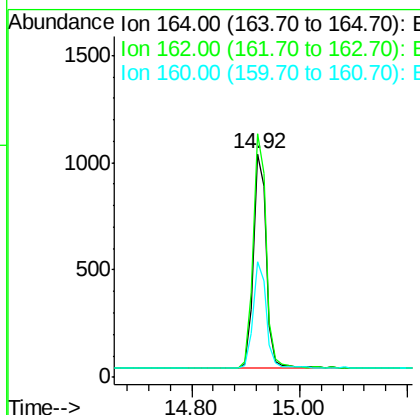
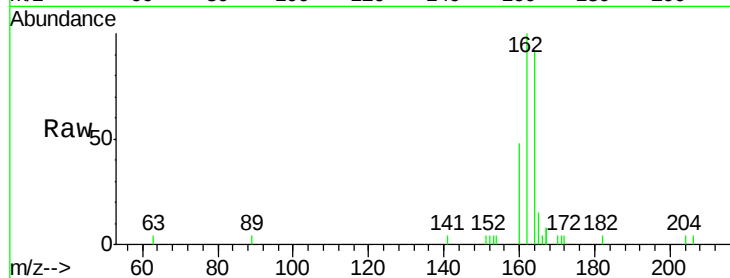




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.92 min Scan# 1279  
Delta R.T. -0.00 min  
Lab File: BE096597.D  
Acq: 16 May 2018 17:18

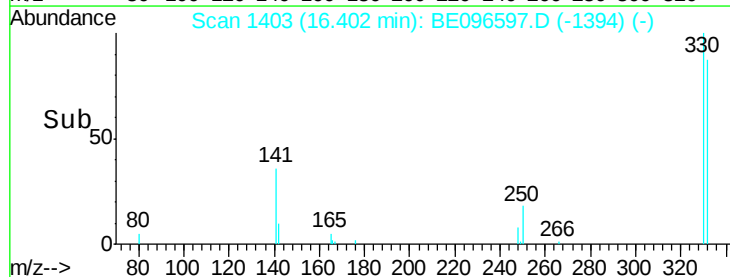
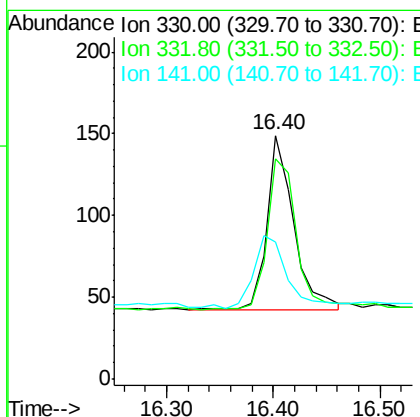
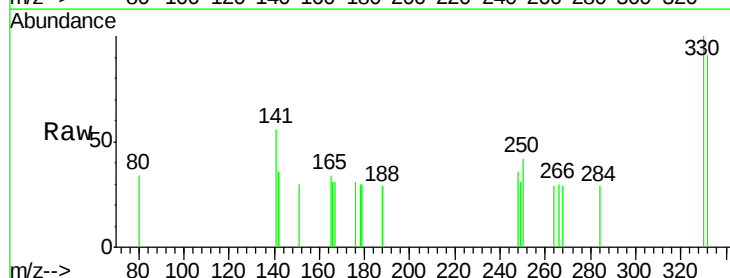
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT2-2018

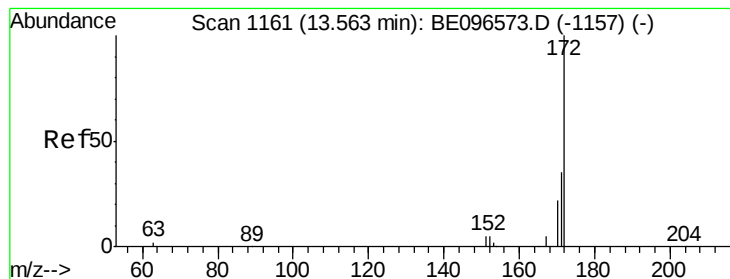
Tgt Ion:164 Resp: 1683  
Ion Ratio Lower Upper  
164 100  
162 109.0 83.1 124.7  
160 52.0 37.1 55.7



#14  
2,4,6-Tribromophenol  
Concen: 0.286 ng  
RT: 16.40 min Scan# 1403  
Delta R.T. 0.00 min  
Lab File: BE096597.D  
Acq: 16 May 2018 17:18

Tgt Ion:330 Resp: 190  
Ion Ratio Lower Upper  
330 100  
332 93.7 152.7 229.1#  
141 48.9 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.368 ng

RT: 13.56 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

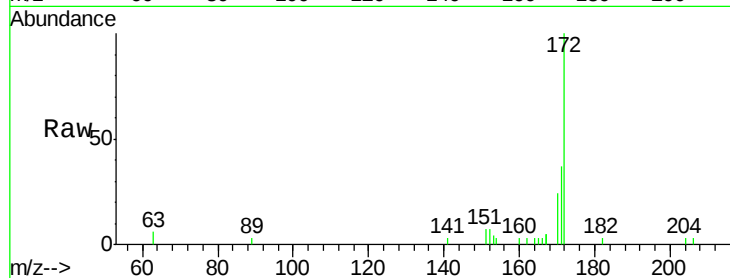
Tgt Ion:172 Resp: 2658

Ion Ratio Lower Upper

172 100

171 37.3 29.9 44.9

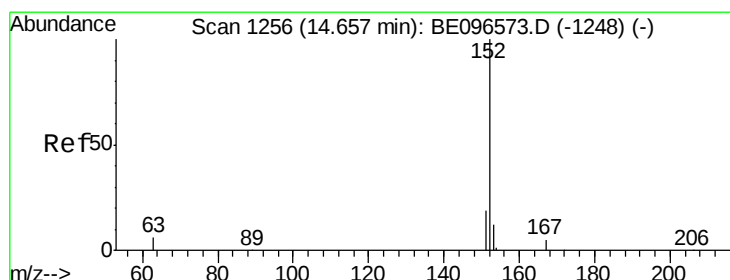
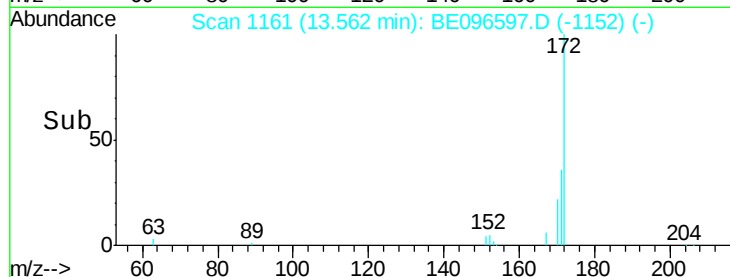
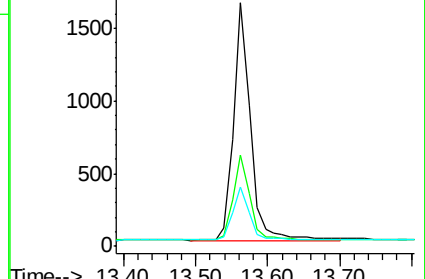
170 24.5 21.8 32.8



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



#16

Acenaphthylene

Concen: 0.085 ng

RT: 14.66 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

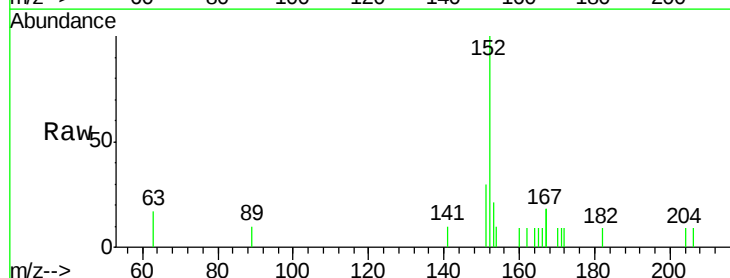
Tgt Ion:152 Resp: 748

Ion Ratio Lower Upper

152 100

151 22.6 15.7 23.5

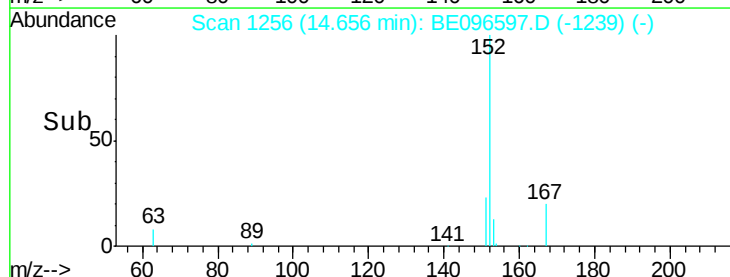
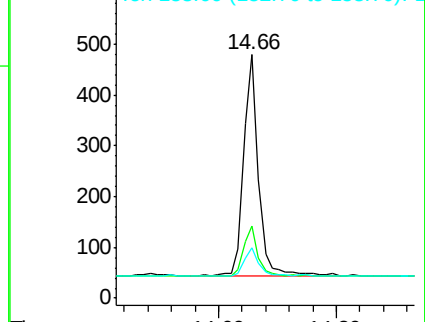
153 12.7 10.5 15.7

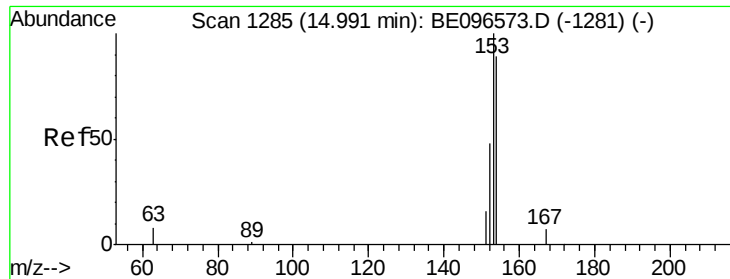


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.092 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

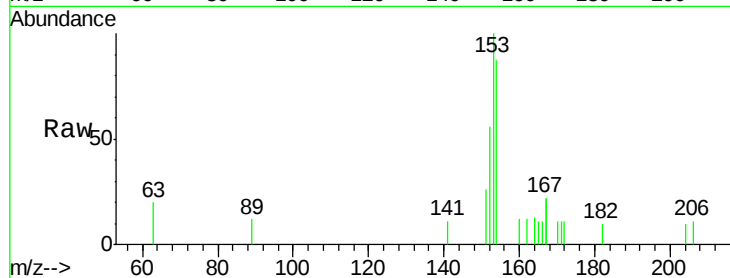
Tgt Ion:154 Resp: 492

Ion Ratio Lower Upper

154 100

153 119.3 89.2 133.8

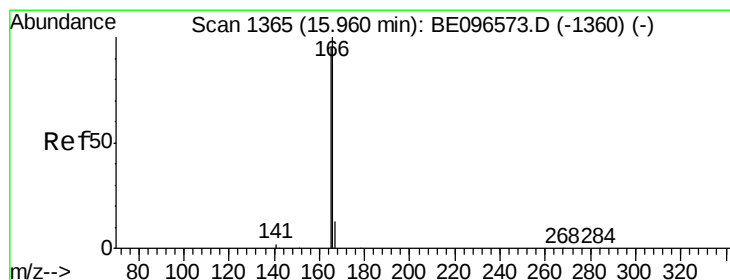
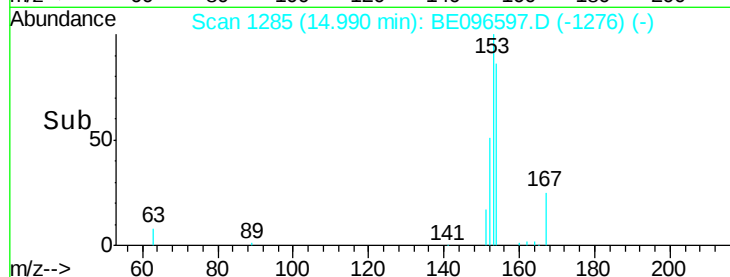
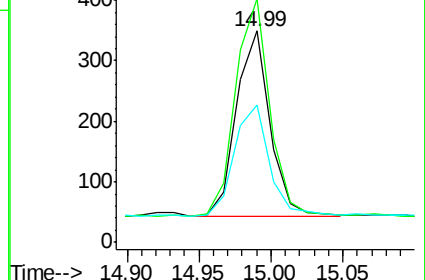
152 62.8 42.0 63.0



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



#18

Fluorene

Concen: 0.118 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

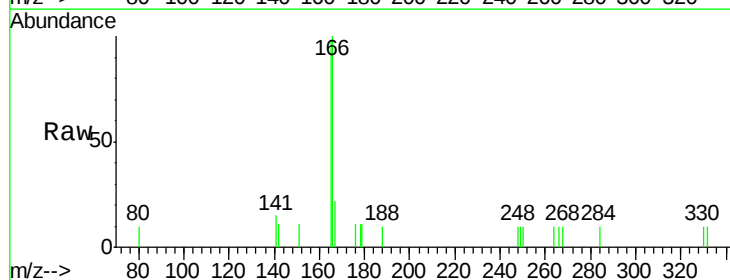
Tgt Ion:166 Resp: 785

Ion Ratio Lower Upper

166 100

165 77.7 77.8 116.6#

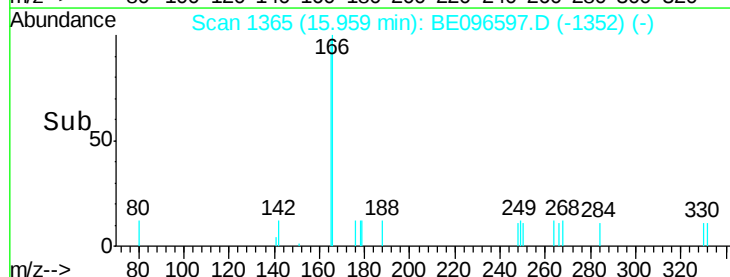
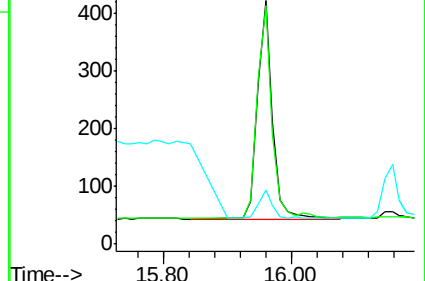
167 9.9 42.4 63.6#

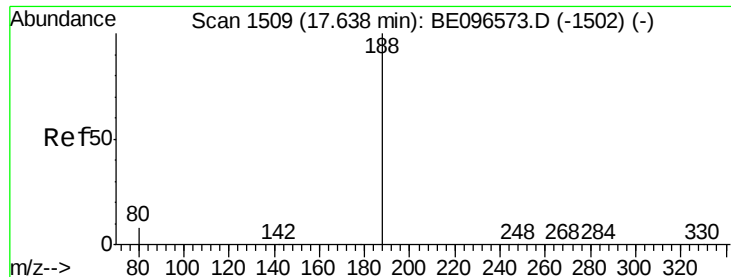


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

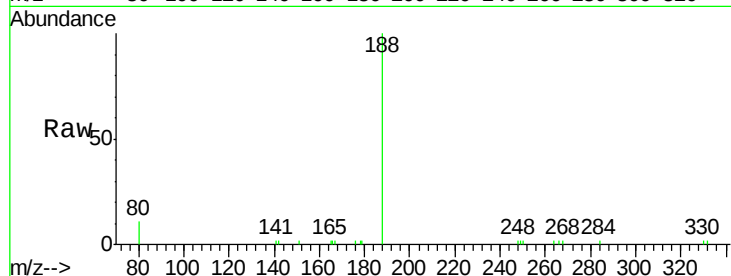
Tgt Ion:188 Resp: 3807

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

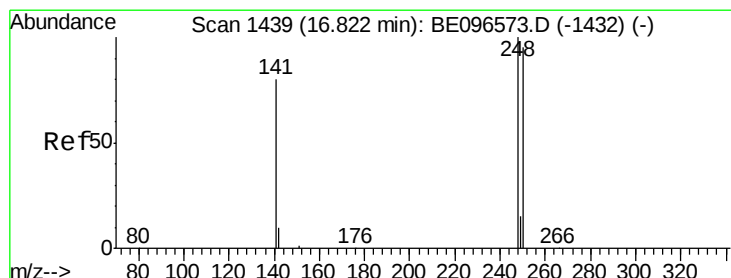
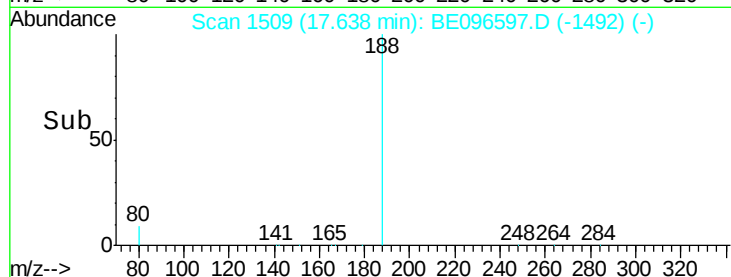
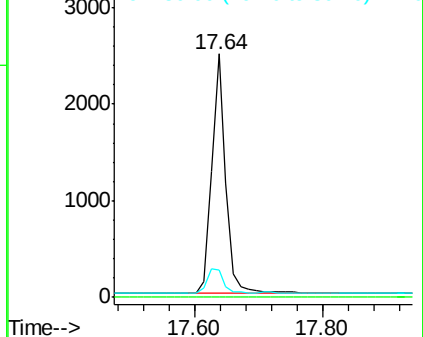
80 11.0 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.088 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

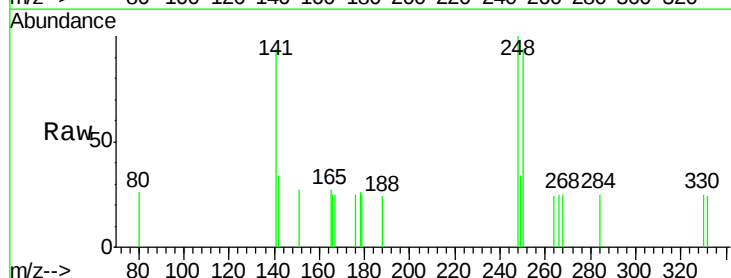
Tgt Ion:248 Resp: 203

Ion Ratio Lower Upper

248 100

250 94.4 62.7 94.1#

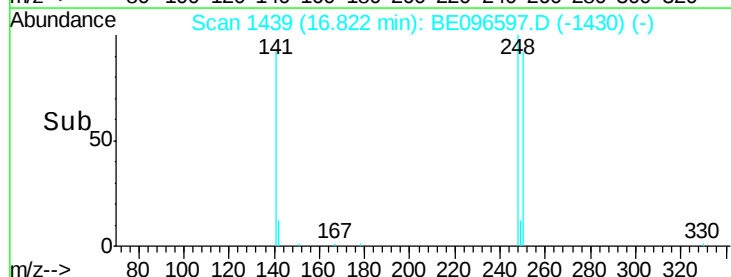
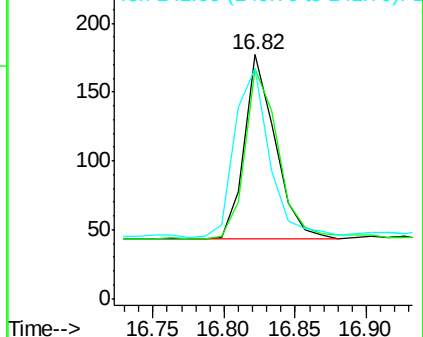
141 94.4 48.2 72.2#

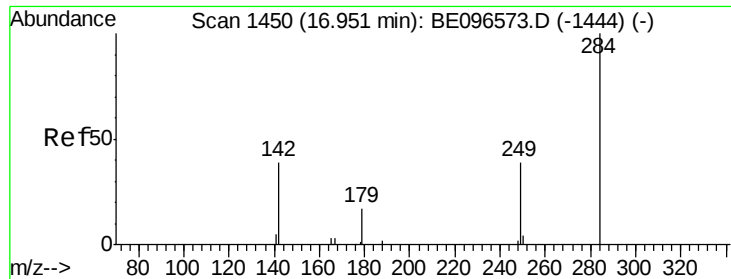


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

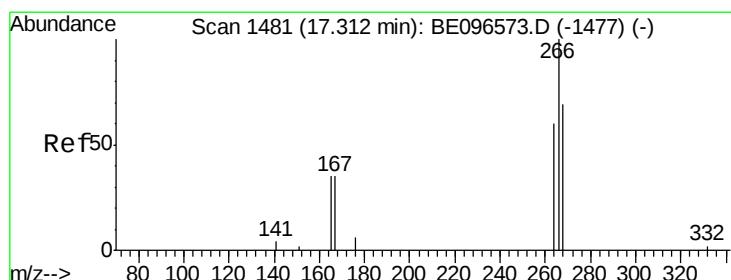
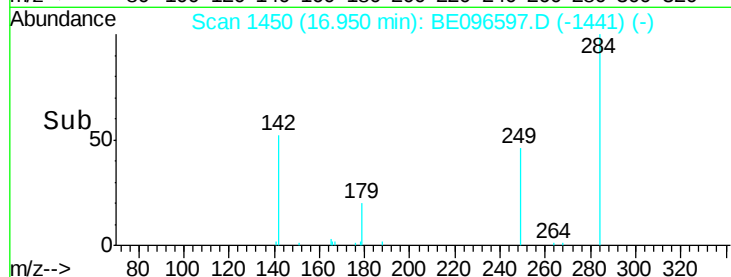
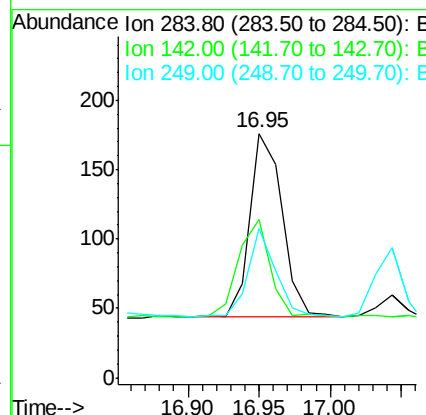
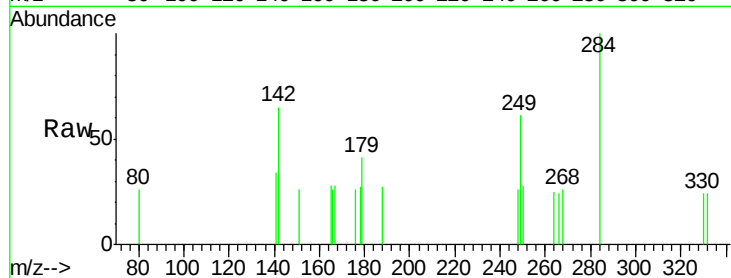




#21  
Hexachlorobenzene  
Concen: 0.086 ng  
RT: 16.95 min Scan# 1450  
Delta R.T. -0.00 min  
Lab File: BE096597.D  
Acq: 16 May 2018 17:18

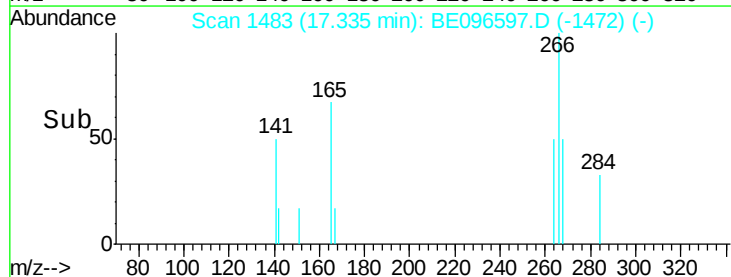
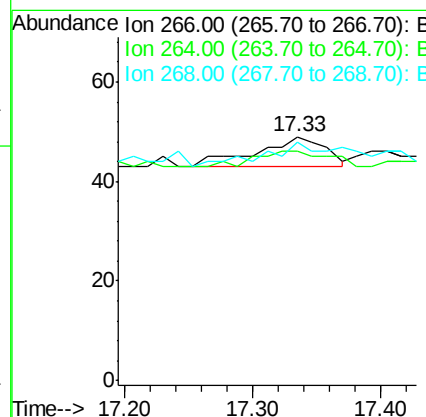
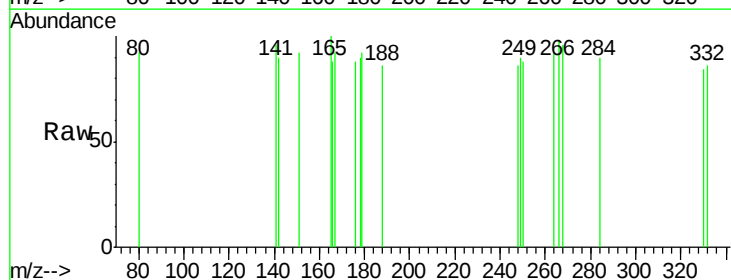
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT2-2018

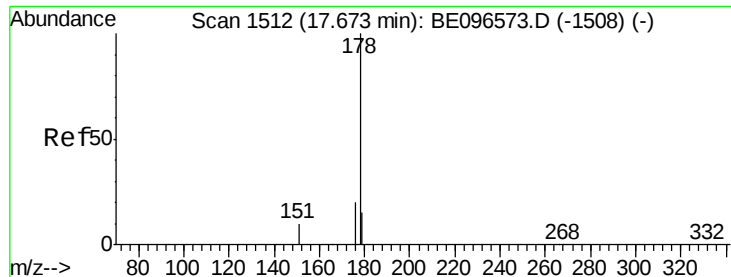
Tgt Ion: 284 Resp: 208  
Ion Ratio Lower Upper  
284 100  
142 52.4 22.1 33.1#  
249 41.8 34.8 52.2



#22  
Pentachlorophenol  
Concen: 0.211 ng  
RT: 17.33 min Scan# 1483  
Delta R.T. 0.02 min  
Lab File: BE096597.D  
Acq: 16 May 2018 17:18

Tgt Ion: 266 Resp: 22  
Ion Ratio Lower Upper  
266 100  
264 93.9 72.5 108.7  
268 98.0 73.8 110.6





#23

Phenanthrene

Concen: 0.091 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

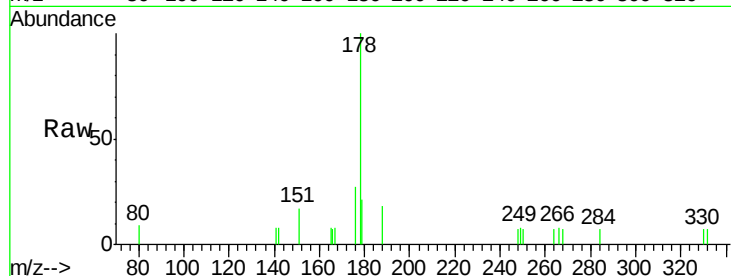
Tgt Ion:178 Resp: 978

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

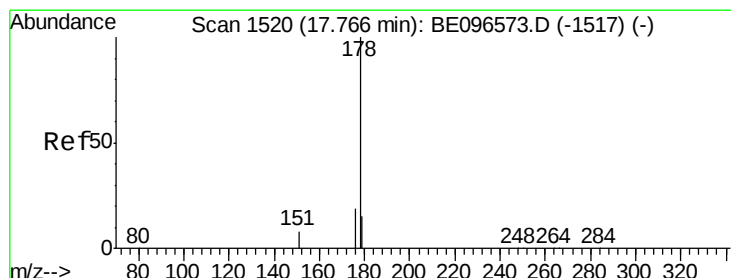
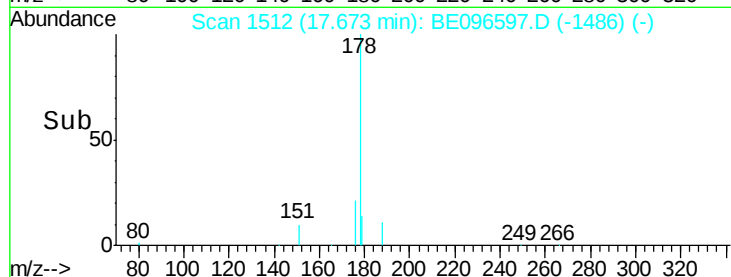
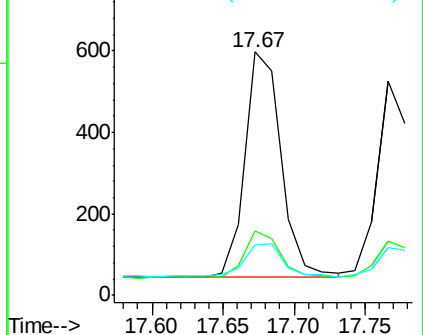
179 15.5 11.8 17.6



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



#24

Anthracene

Concen: 0.083 ng

RT: 17.77 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

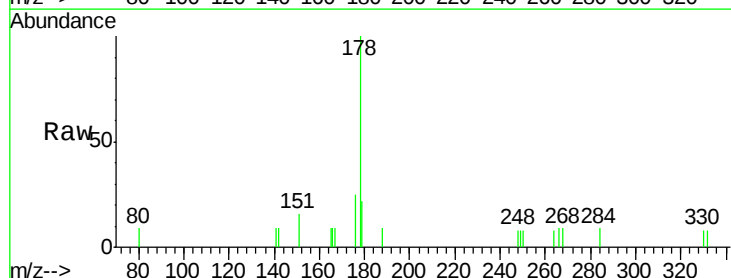
Tgt Ion:178 Resp: 827

Ion Ratio Lower Upper

178 100

176 19.6 12.8 19.2#

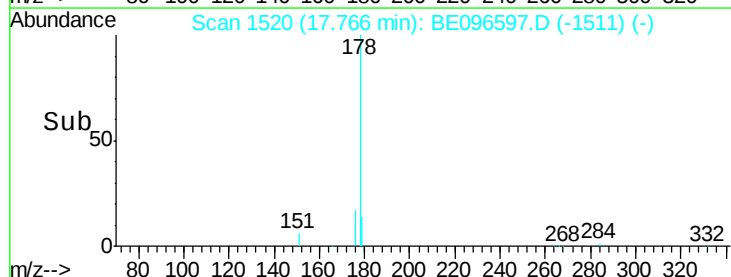
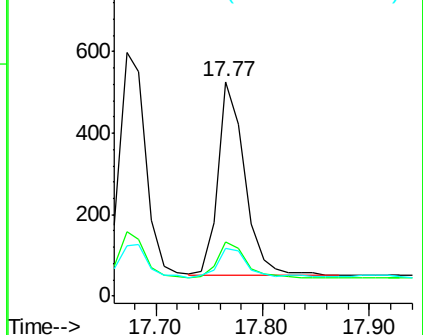
179 16.9 13.0 19.6

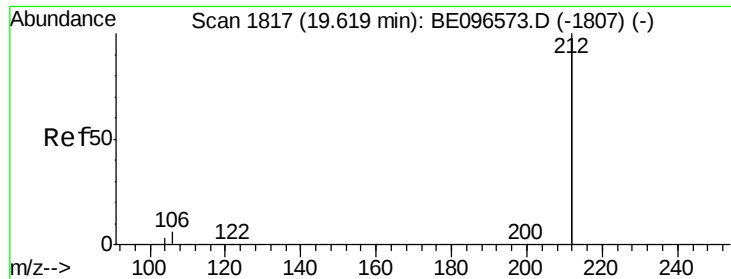


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.370 ng

RT: 19.63 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

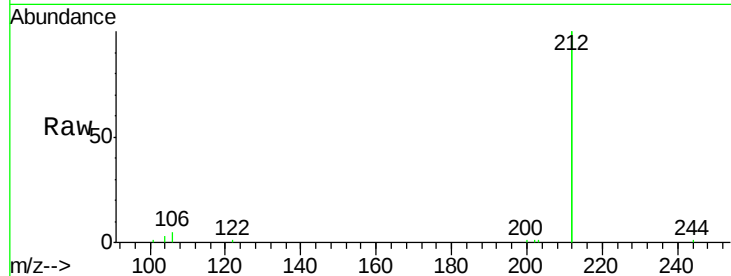
Tgt Ion:212 Resp: 17232

Ion Ratio Lower Upper

212 100

106 2.6 2.8 4.2#

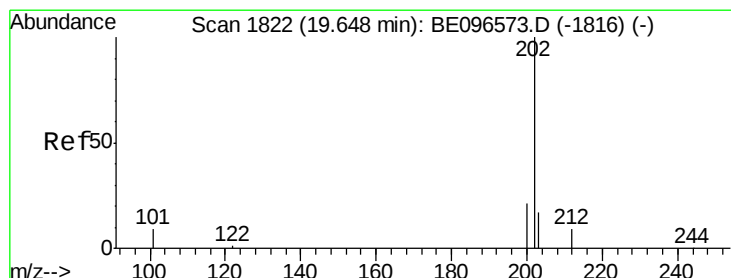
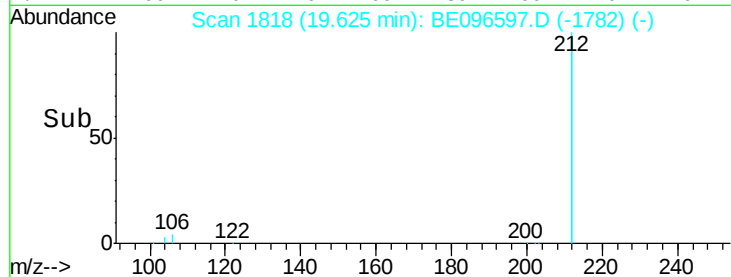
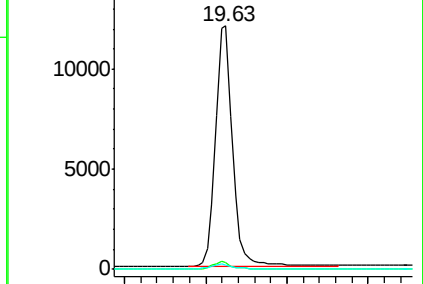
104 1.6 1.6 2.4#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.090 ng

RT: 19.65 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

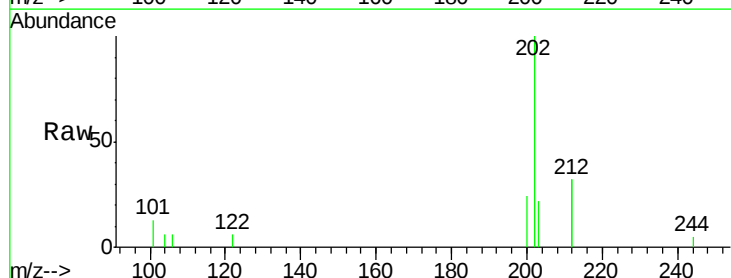
Tgt Ion:202 Resp: 1146

Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

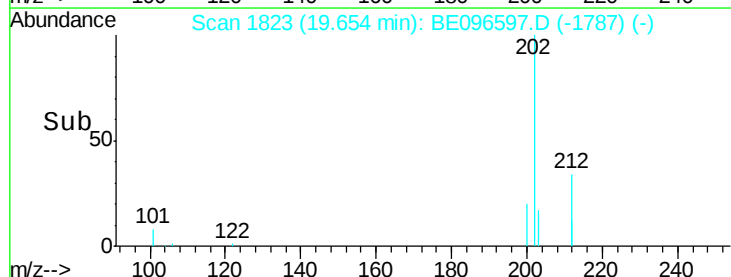
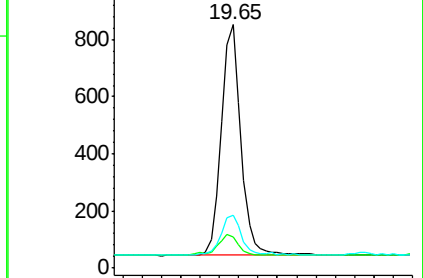
203 18.5 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.73 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

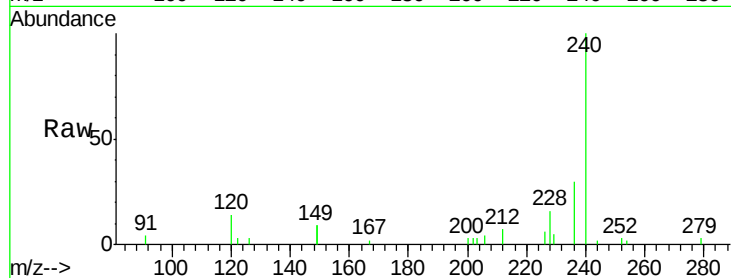
Tgt Ion:240 Resp: 3640

Ion Ratio Lower Upper

240 100

120 13.8 5.5 8.3#

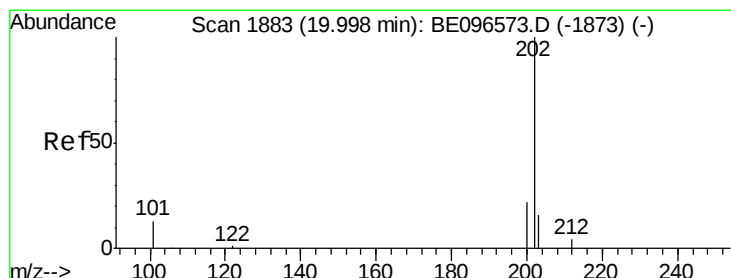
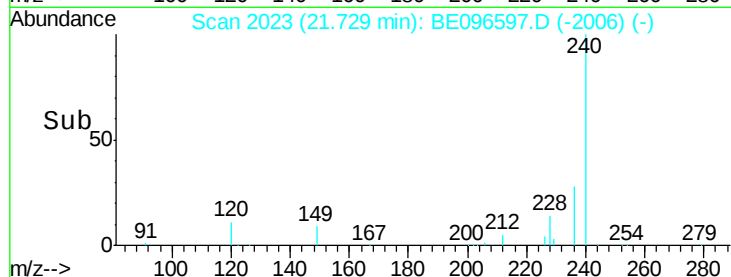
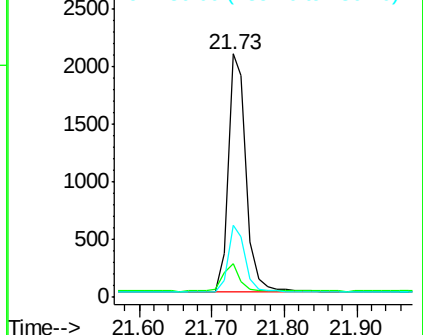
236 29.5 20.7 31.1



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



#28

Pyrene

Concen: 0.069 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

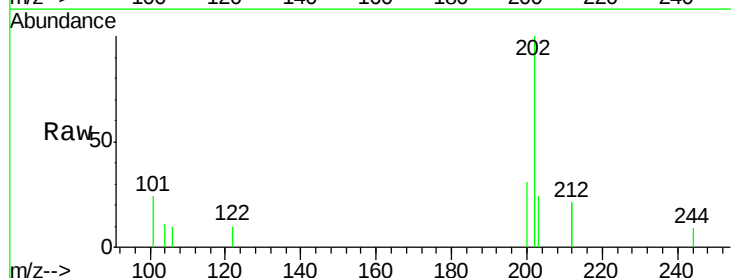
Tgt Ion:202 Resp: 452

Ion Ratio Lower Upper

202 100

200 27.9 16.6 25.0#

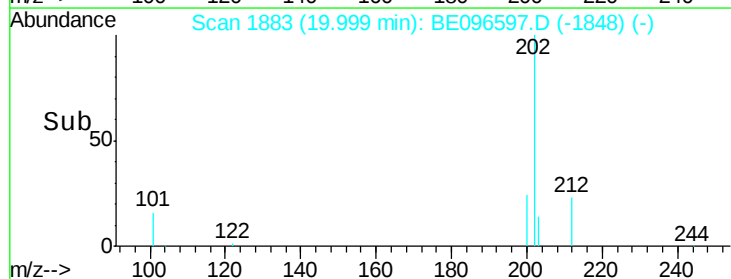
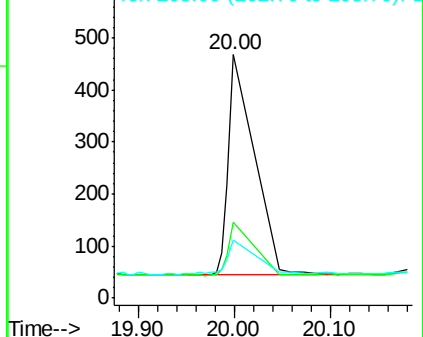
203 17.9 13.8 20.8



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





#29

Terphenyl-d14

Concen: 0.328 ng

RT: 20.18 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

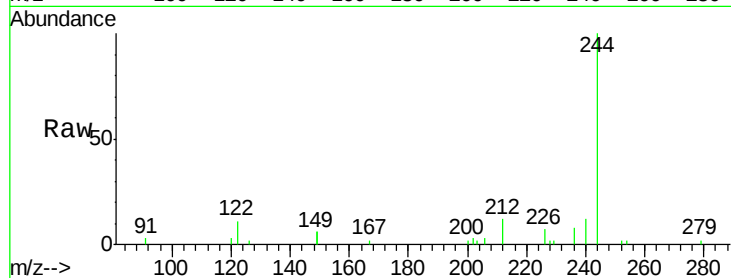
Tgt Ion:244 Resp: 2702

Ion Ratio Lower Upper

244 100

212 12.3 25.4 38.0#

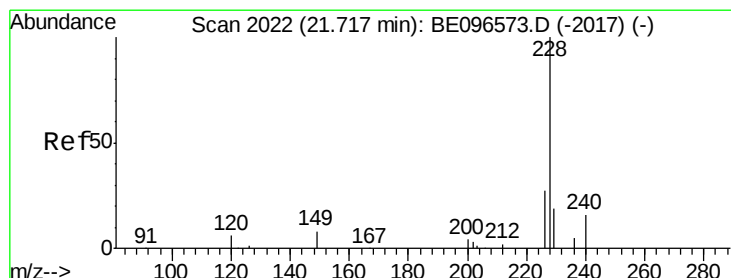
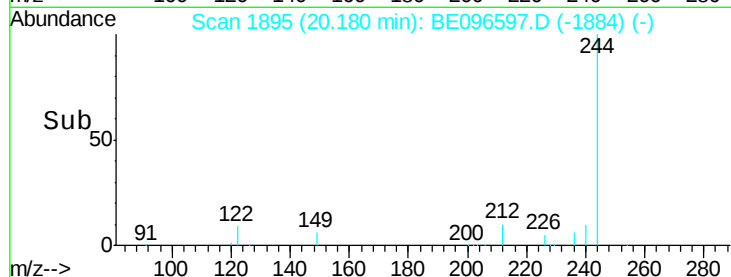
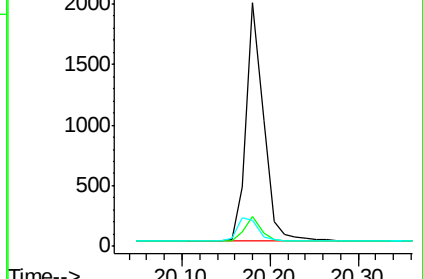
122 10.6 8.1 12.1



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



#30

Benzo(a)anthracene

Concen: 0.086 ng

RT: 21.72 min Scan# 222

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

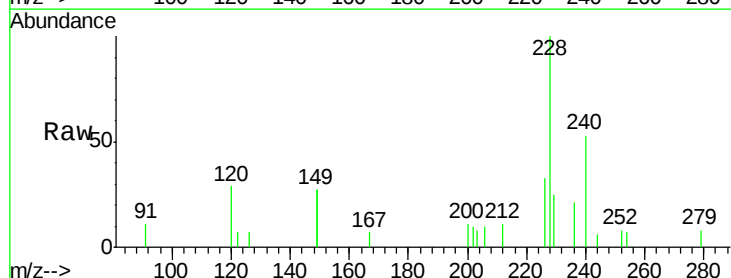
Tgt Ion:228 Resp: 967

Ion Ratio Lower Upper

228 100

226 32.5 24.0 36.0

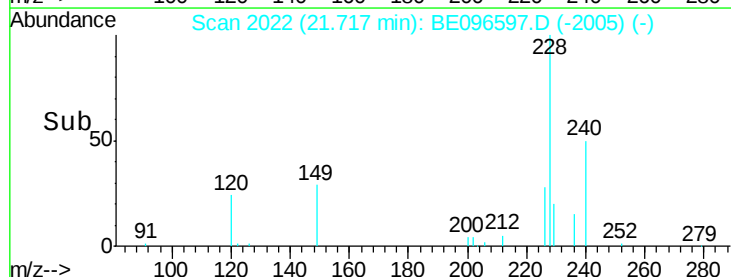
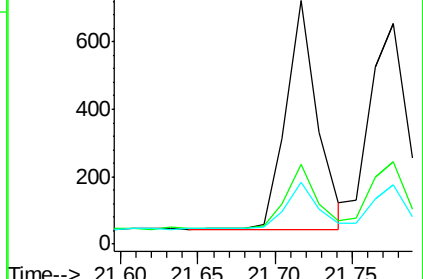
229 25.3 16.0 24.0#

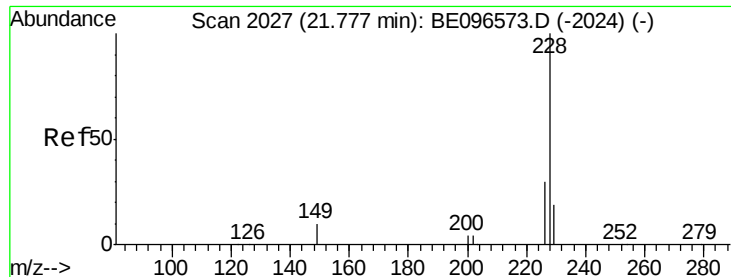


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.090 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

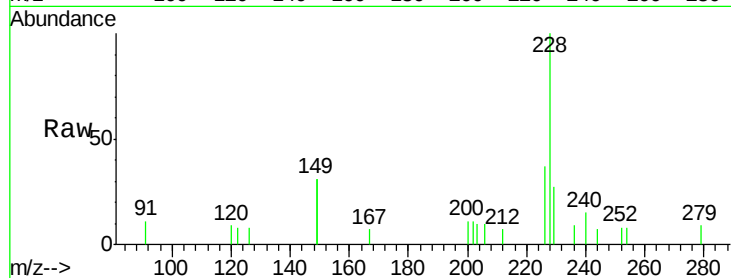
Tgt Ion:228 Resp: 1043

Ion Ratio Lower Upper

228 100

226 37.5 24.0 36.0#

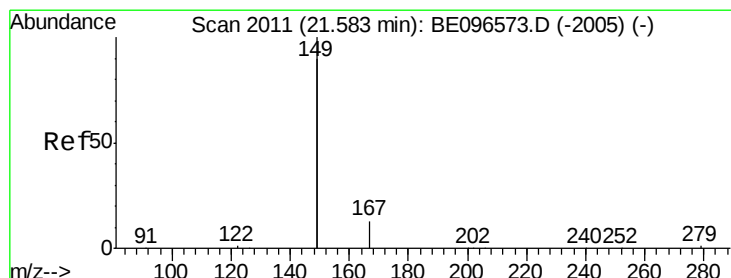
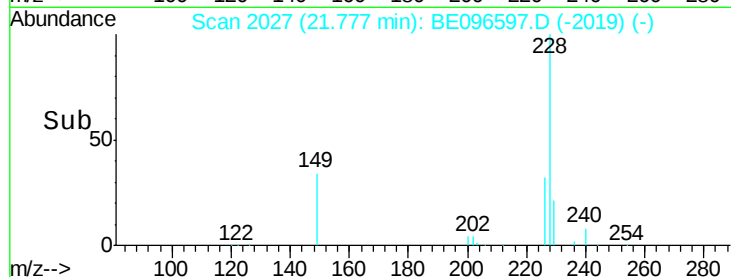
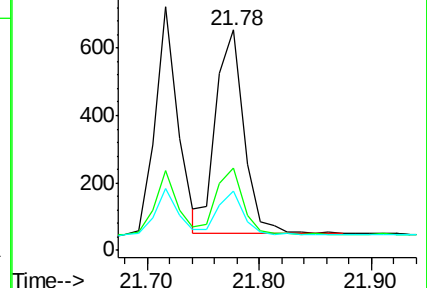
229 26.6 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.085 ng

RT: 21.58 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

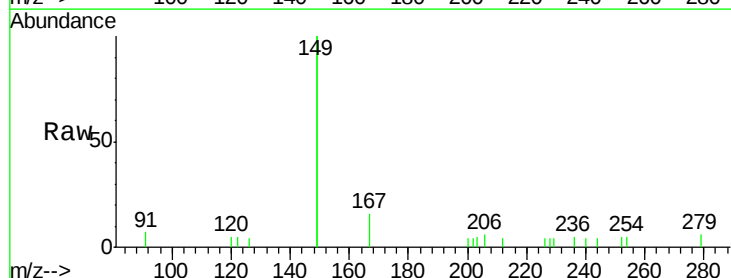
Tgt Ion:149 Resp: 2045

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

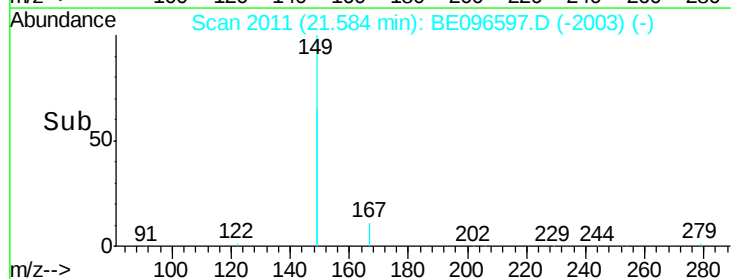
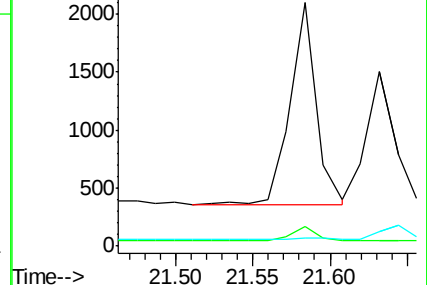
279 0.9 0.7 1.1



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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.084 ng

RT: 27.11 min Scan# 3466

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

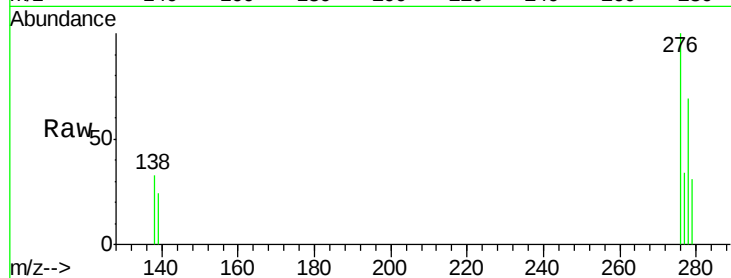
Tgt Ion:276 Resp: 936

Ion Ratio Lower Upper

276 100

138 19.2 22.5 33.7#

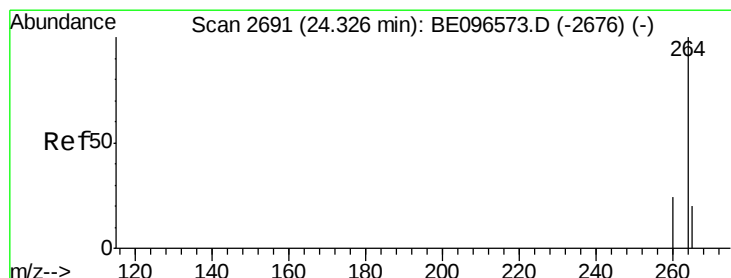
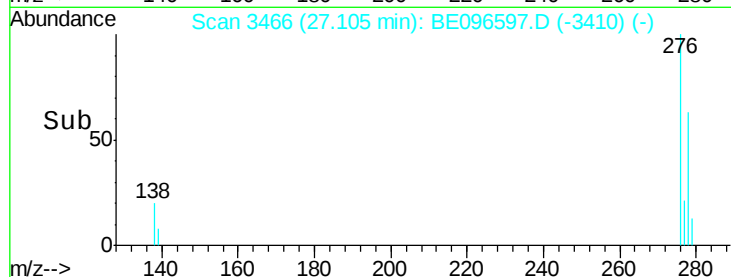
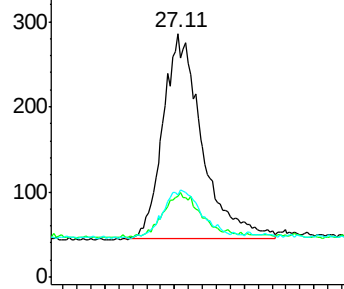
277 23.7 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.33 min Scan# 2692

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

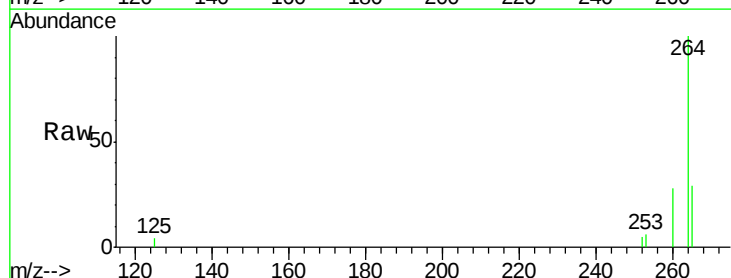
Tgt Ion:264 Resp: 3284

Ion Ratio Lower Upper

264 100

260 28.0 20.5 30.7

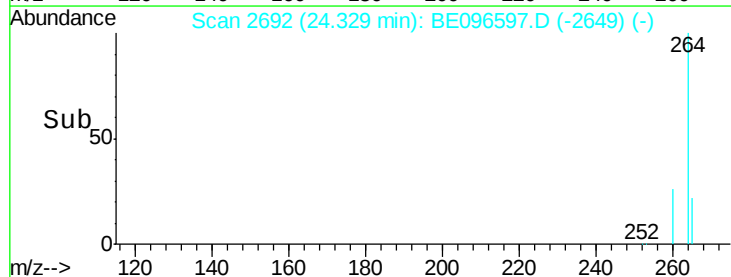
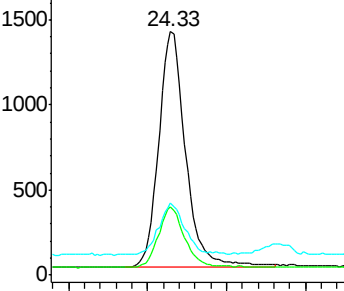
265 29.5 22.8 34.2

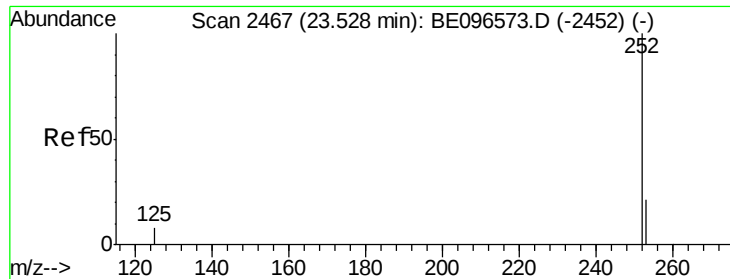


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.087 ng

RT: 23.53 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

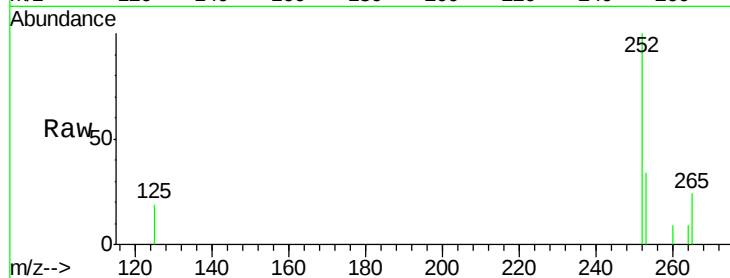
Tgt Ion:252 Resp: 883

Ion Ratio Lower Upper

252 100

253 33.8 20.0 30.0#

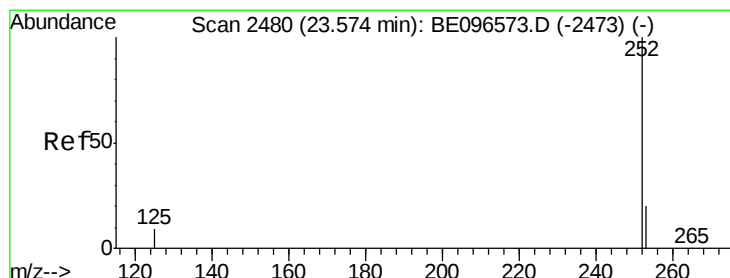
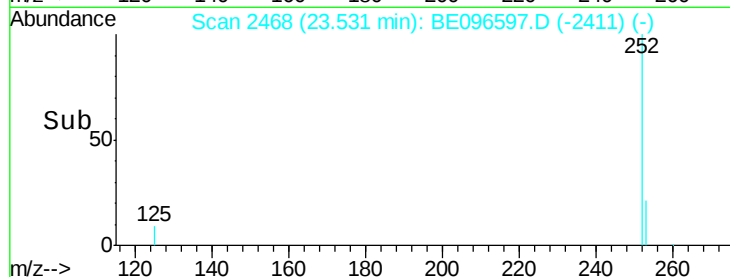
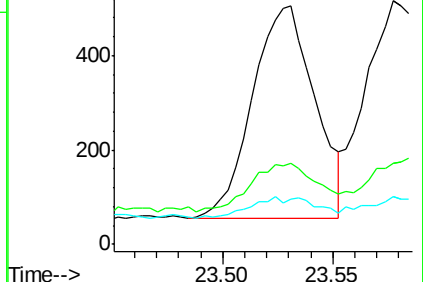
125 19.0 16.0 24.0



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



#36

Benzo(k)fluoranthene

Concen: 0.091 ng

RT: 23.58 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

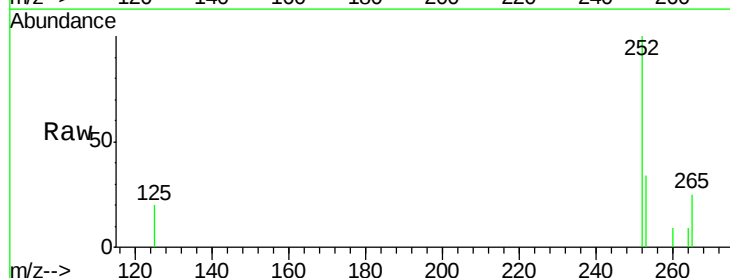
Tgt Ion:252 Resp: 975

Ion Ratio Lower Upper

252 100

253 33.5 16.0 24.0#

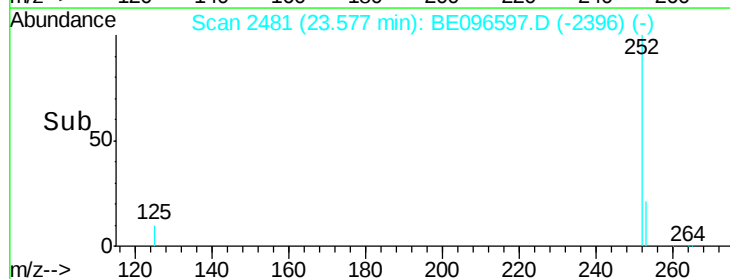
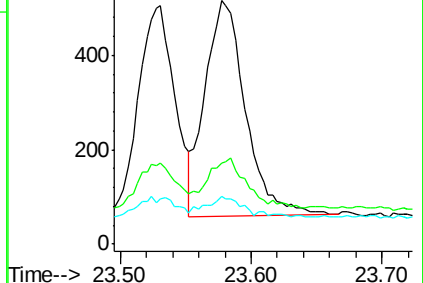
125 19.6 8.0 12.0#

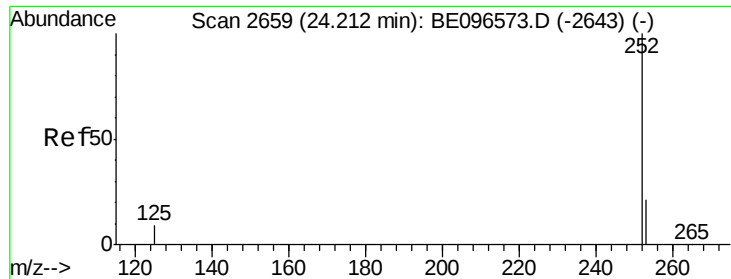


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.090 ng

RT: 24.22 min Scan# 2661

Delta R.T. 0.01 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018

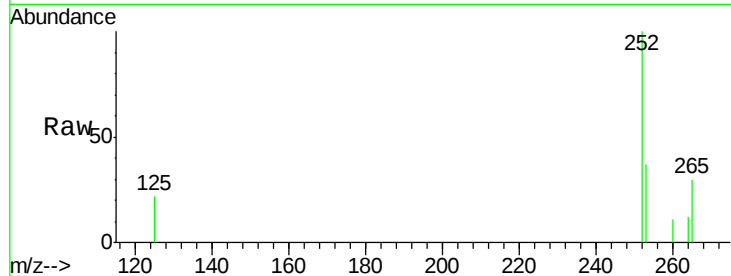
Tgt Ion: 252 Resp: 870

Ion Ratio Lower Upper

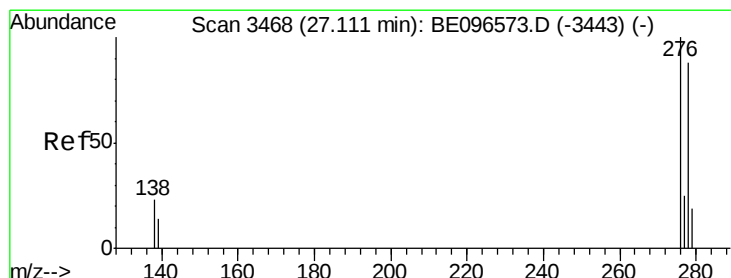
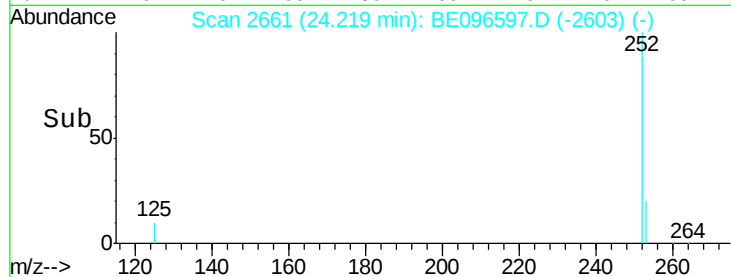
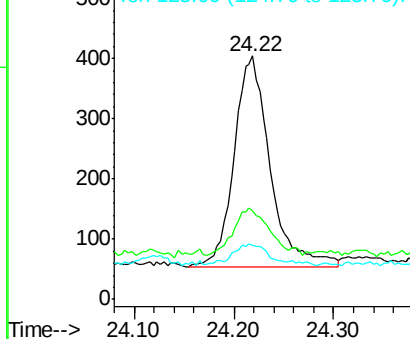
252 100

253 36.6 16.0 24.0#

125 22.3 12.0 18.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.079 ng

RT: 27.12 min Scan# 3469

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

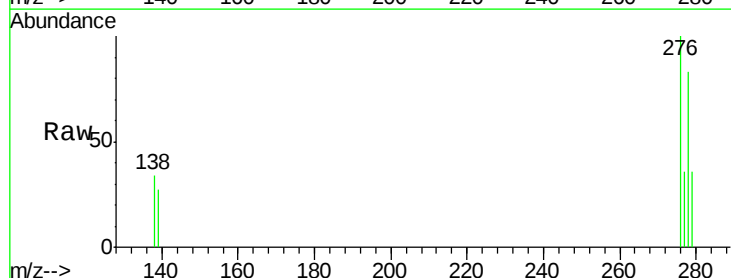
Tgt Ion: 278 Resp: 697

Ion Ratio Lower Upper

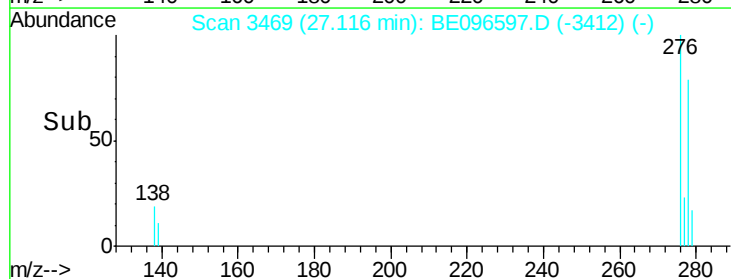
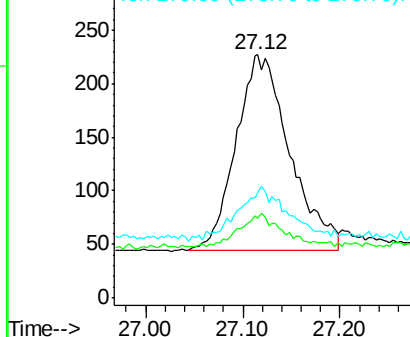
278 100

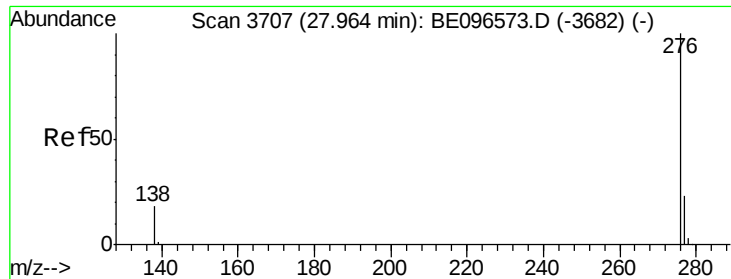
139 32.6 16.0 24.0#

279 43.2 20.0 30.0#



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





#39

Benzo(g,h,i)perylene

Concen: 0.089 ng

RT: 27.97 min Scan# 3708

Delta R.T. 0.00 min

Lab File: BE096597.D

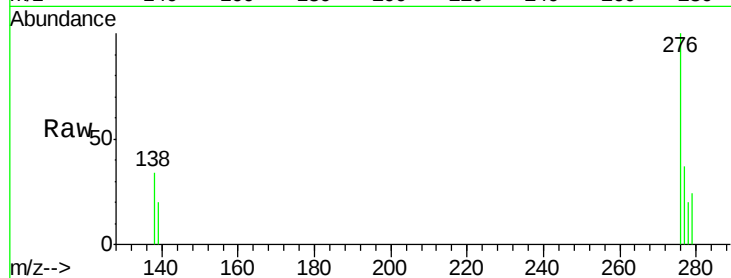
Acq: 16 May 2018 17:18

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT2-2018



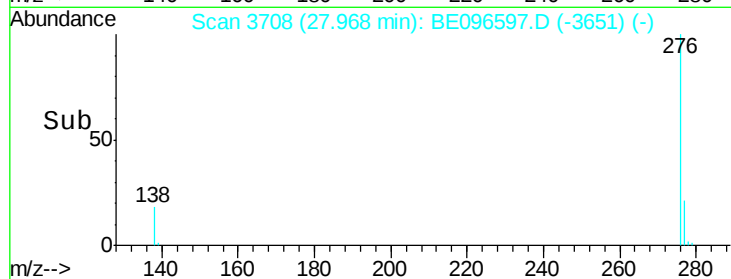
Tgt Ion: 276 Resp: 824

Ion Ratio Lower Upper

276 100

277 37.3 16.0 24.0#

138 34.0 20.0 30.0#



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

