

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102418\  
 Data File : BE098045.D  
 Acq On : 24 Oct 2018 19:12  
 Operator : SJ/JU  
 Sample : J5164-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2018

Quant Time: Oct 25 04:03:33 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE102418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 24 13:49:35 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.87  | 152  | 1021     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.68 | 136  | 5240     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.54 | 164  | 3736     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.29 | 188  | 9239     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.48 | 240  | 10875    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.02 | 264  | 10679    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.47  | 112  | 1290     | 0.42 | ng    | 0.00     |
| 5) Phenol-d6                | 7.06  | 99   | 2177     | 0.42 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.03  | 82   | 2376     | 0.43 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.28 | 152  | 3728     | 0.40 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330  | 688      | 0.37 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.16 | 172  | 6028     | 0.40 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.32 | 212  | 45843    | 0.39 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.92 | 244  | 9692     | 0.38 | ng    | 0.00     |

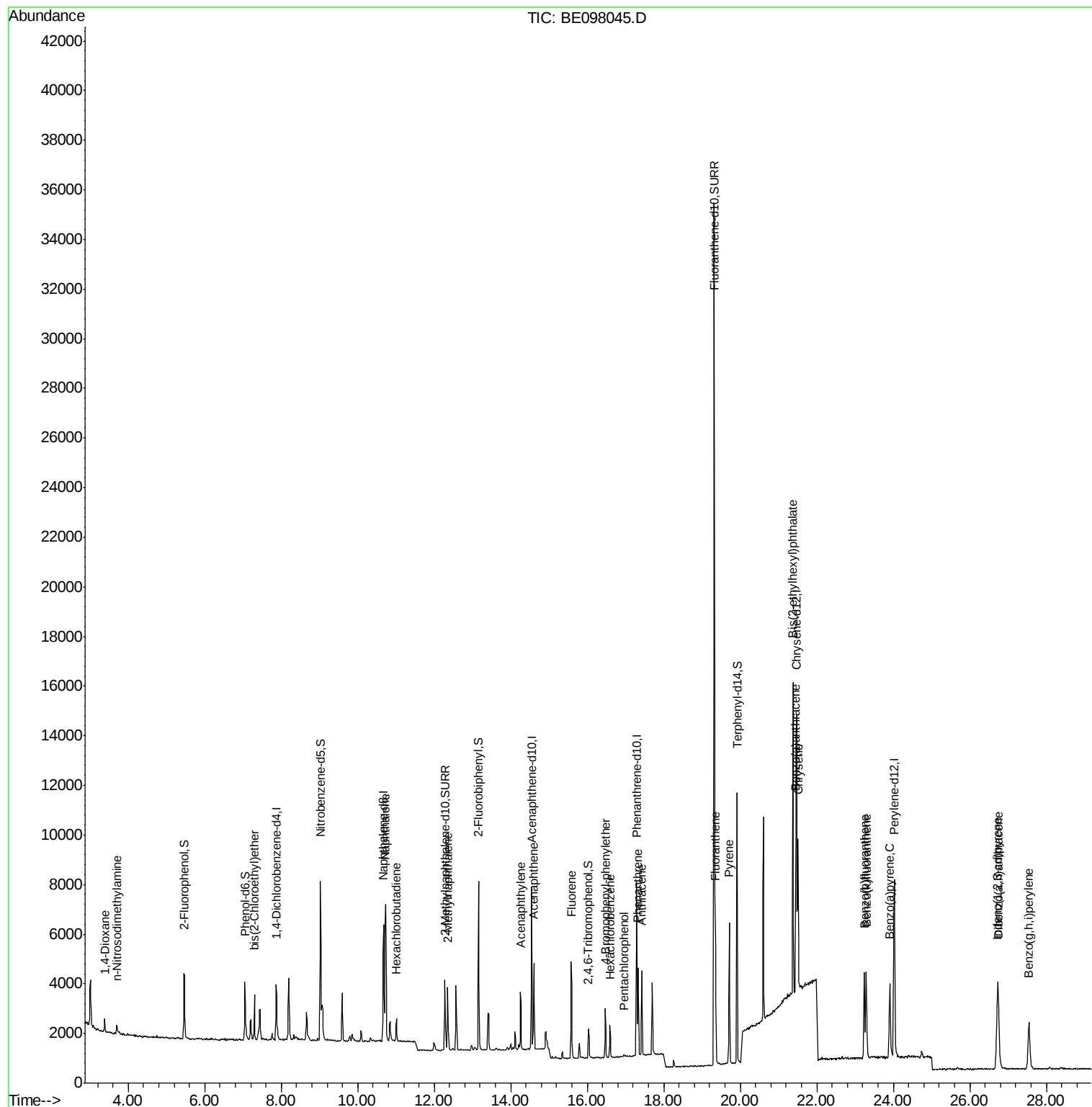
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.38  | 88   | 307      | 0.195 | ng    | 96     |
| 3) n-Nitrosodimethylamine      | 3.70  | 42   | 325      | 0.155 | ng    | # 92   |
| 6) bis(2-Chloroethyl)ether     | 7.30  | 93   | 626      | 0.174 | ng    | 90     |
| 9) Naphthalene                 | 10.73 | 128  | 9171     | 0.176 | ng    | # 97   |
| 10) Hexachlorobutadiene        | 11.02 | 225  | 664      | 0.188 | ng    | 94     |
| 12) 2-Methylnaphthalene        | 12.35 | 142  | 1655     | 0.176 | ng    | # 91   |
| 16) Acenaphthylene             | 14.26 | 152  | 2933     | 0.173 | ng    | 99     |
| 17) Acenaphthene               | 14.60 | 154  | 1783     | 0.174 | ng    | 99     |
| 18) Fluorene                   | 15.58 | 166  | 2328     | 0.169 | ng    | 96     |
| 20) 4-Bromophenyl-phenylether  | 16.47 | 248  | 964      | 0.173 | ng    | # 89   |
| 21) Hexachlorobenzene          | 16.59 | 284  | 1051     | 0.181 | ng    | 99     |
| 22) Pentachlorophenol          | 16.95 | 266  | 94       | 0.194 | ng    | # 79   |
| 23) Phenanthrene               | 17.33 | 178  | 3770     | 0.166 | ng    | 98     |
| 24) Anthracene                 | 17.42 | 178  | 3703     | 0.166 | ng    | 99     |
| 26) Fluoranthene               | 19.35 | 202  | 4781     | 0.169 | ng    | # 96   |
| 28) Pyrene                     | 19.71 | 202  | 5064     | 0.169 | ng    | 99     |
| 30) Benzo(a)anthracene         | 21.45 | 228  | 5549     | 0.173 | ng    | 99     |
| 31) Chrysene                   | 21.51 | 228  | 5222     | 0.167 | ng    | 100    |
| 32) Bis(2-ethylhexyl)phthalate | 21.38 | 149  | 12745    | 0.167 | ng    | # 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.72 | 276  | 5747     | 0.168 | ng    | # 94   |
| 35) Benzo(b)fluoranthene       | 23.24 | 252  | 5101     | 0.172 | ng    | # 94   |
| 36) Benzo(k)fluoranthene       | 23.29 | 252  | 5320     | 0.173 | ng    | # 94   |
| 37) Benzo(a)pyrene             | 23.91 | 252  | 5014     | 0.172 | ng    | 93     |
| 38) Dibenzo(a,h)anthracene     | 26.74 | 278  | 4728     | 0.166 | ng    | # 91   |
| 39) Benzo(g,h,i)perylene       | 27.55 | 276  | 4853     | 0.172 | ng    | 95     |

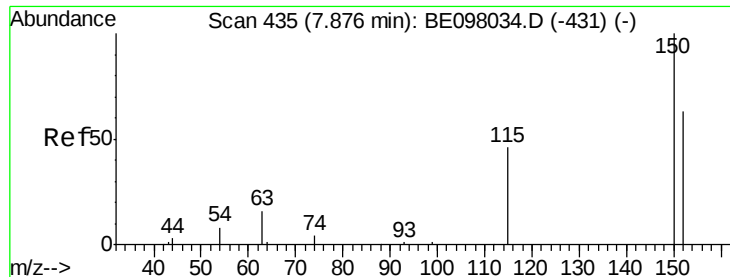
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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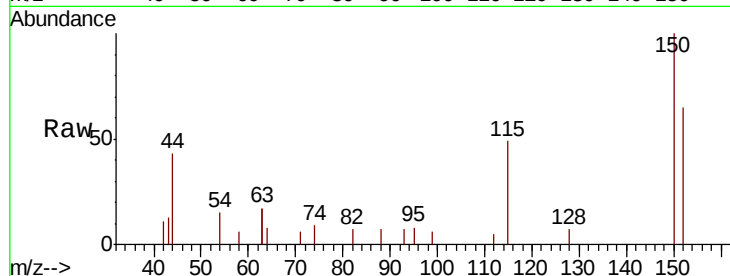


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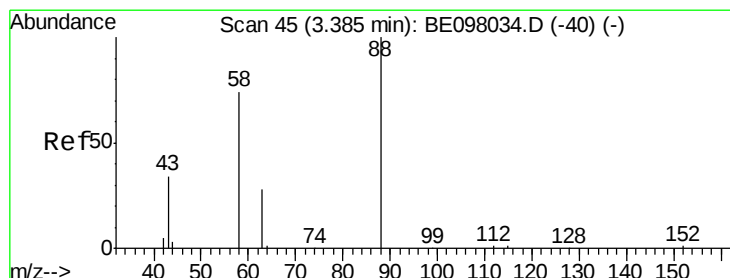
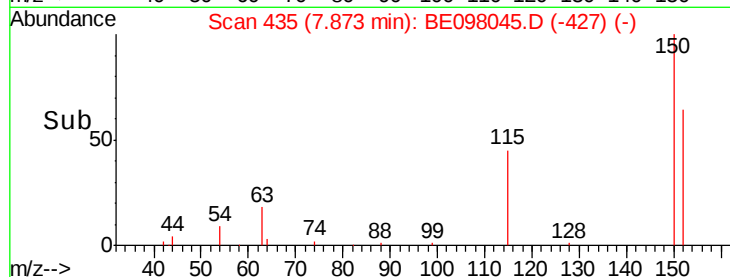
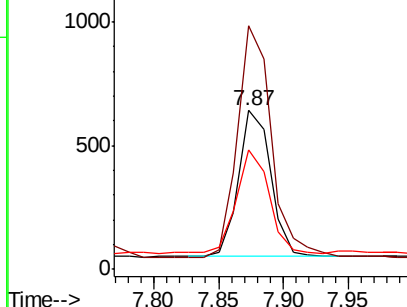
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.87 min Scan# 435  
Delta R.T. -0.00 min  
Lab File: BE098045.D  
Acq: 24 Oct 2018 19:12

Instrument :  
BNA\_E  
ClientSampleId :  
LOQ-WATER-02-QT4-2018

Tot Ion:152 Resp: 1021  
Ion Ratio Lower Upper  
152 100  
150 153.5 118.2 177.4  
115 75.5 50.9 76.3



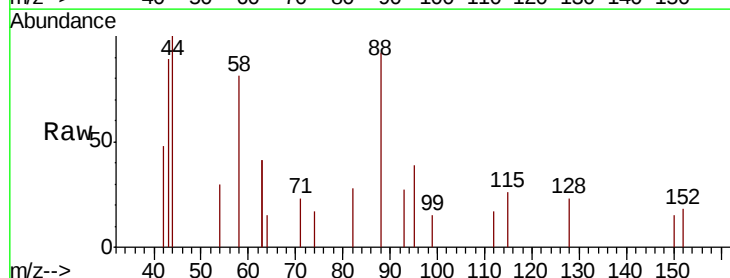
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



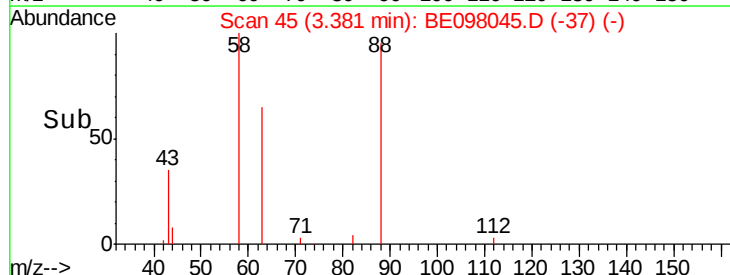
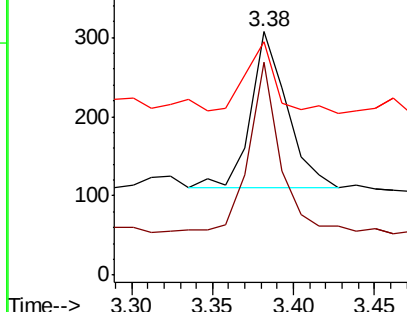
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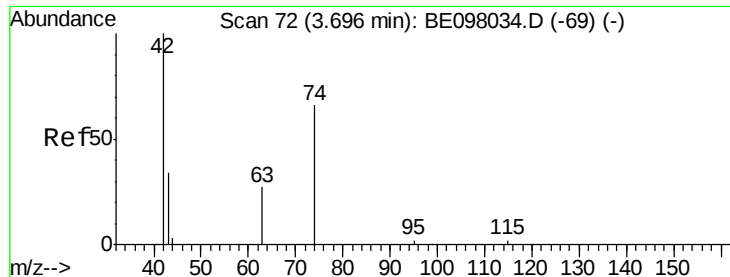
1,4-Dioxane  
Concen: 0.195 ng  
RT: 3.38 min Scan# 45  
Delta R.T. -0.00 min  
Lab File: BE098045.D  
Acq: 24 Oct 2018 19:12

Tgt Ion: 88 Resp: 307  
Ion Ratio Lower Upper  
88 100  
58 92.5 73.2 109.8  
43 39.1 36.9 55.3



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



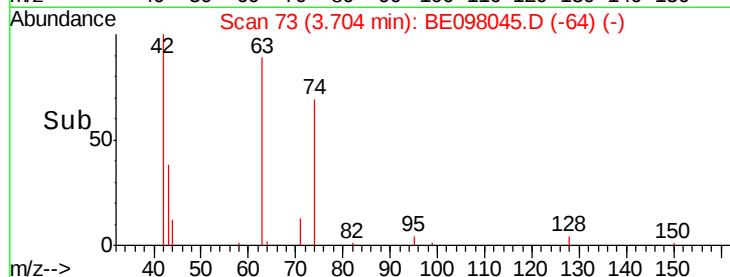
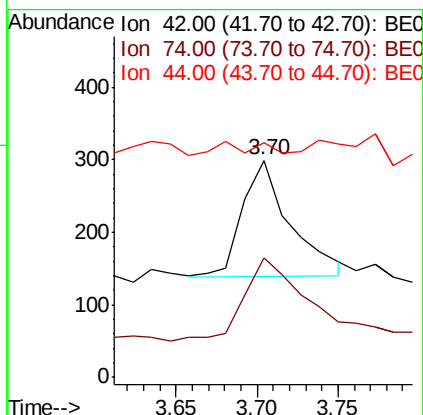
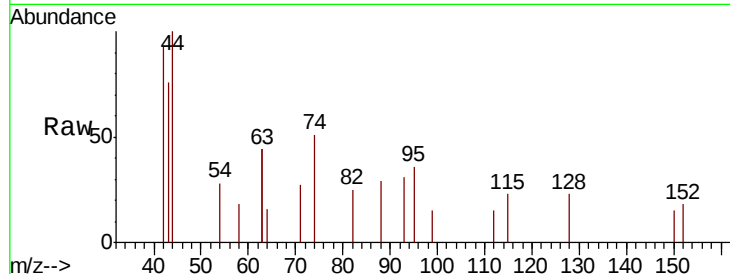


#3

n-Nitrosodimethylamine  
 Concen: 0.155 ng  
 RT: 3.70 min Scan# 73  
 Delta R.T. 0.01 min  
 Lab File: BE098045.D  
 Acq: 24 Oct 2018 19:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2018

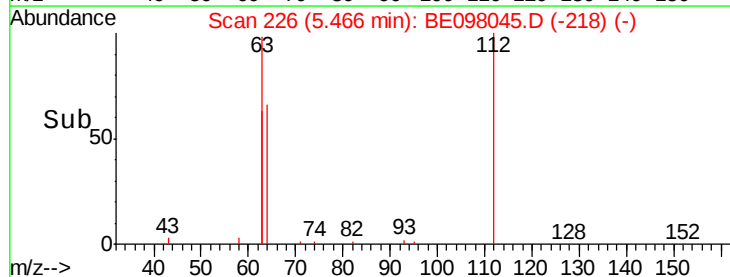
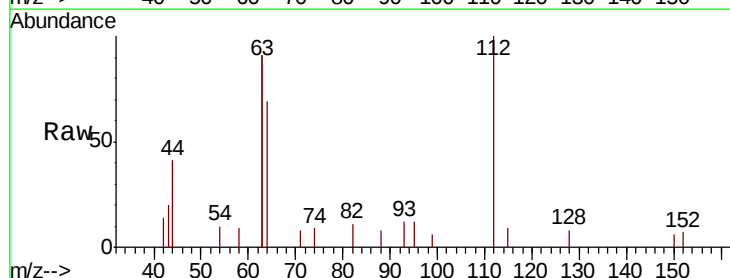
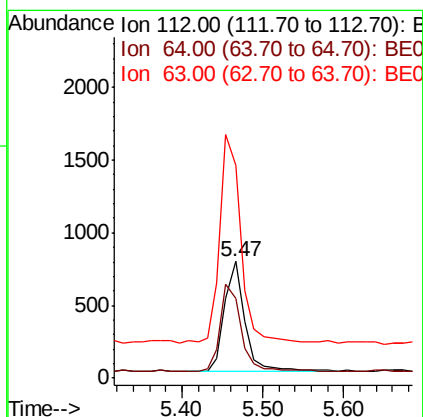
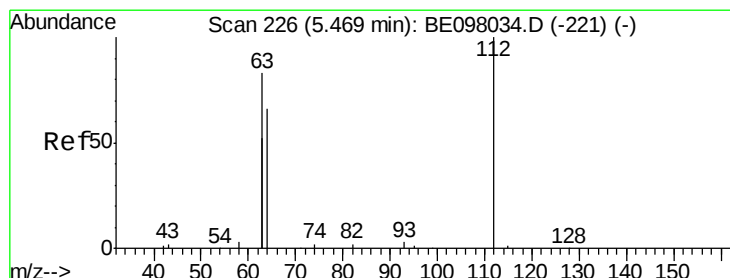
Tot Ion: 42 Resp: 325  
 Ion Ratio Lower Upper  
 42 100  
 74 91.1 77.6 116.4  
 44 0.0 7.6 11.4#

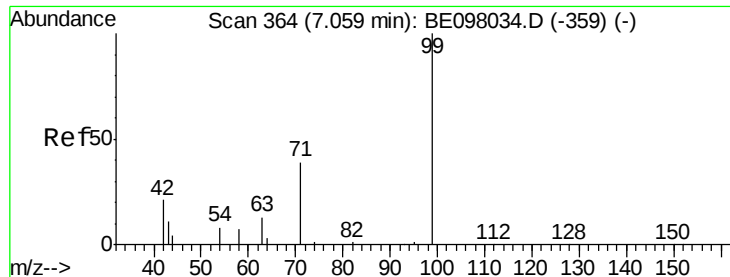


#4

2-Fluorophenol  
 Concen: 0.417 ng  
 RT: 5.47 min Scan# 226  
 Delta R.T. -0.00 min  
 Lab File: BE098045.D  
 Acq: 24 Oct 2018 19:12

Tgt Ion: 112 Resp: 1290  
 Ion Ratio Lower Upper  
 112 100  
 64 83.9 58.9 88.3  
 63 200.5 120.3 180.5#





#5

Phenol-d6

Concen: 0.423 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

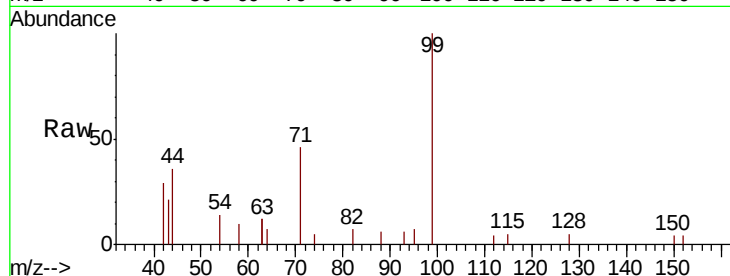
Tot Ion: 99 Resp: 2177

Ion Ratio Lower Upper

99 100

42 32.3 19.9 29.9#

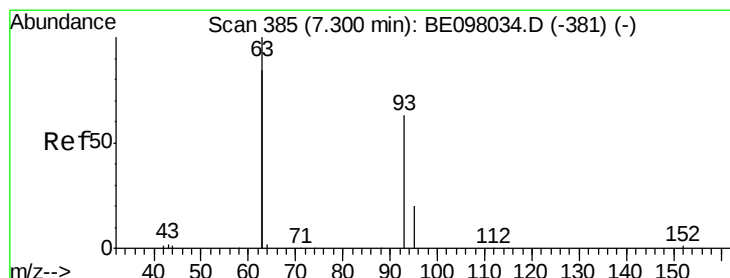
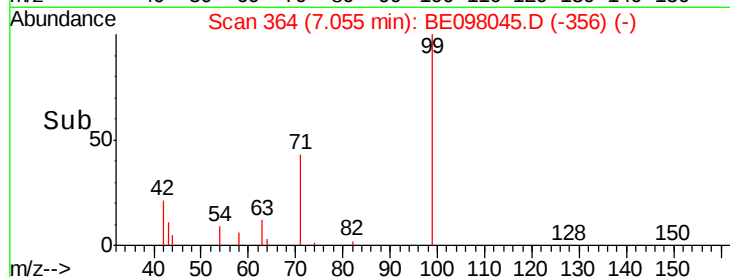
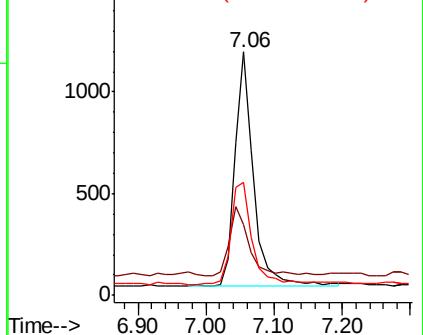
71 52.1 27.8 41.8#



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: 0.174 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

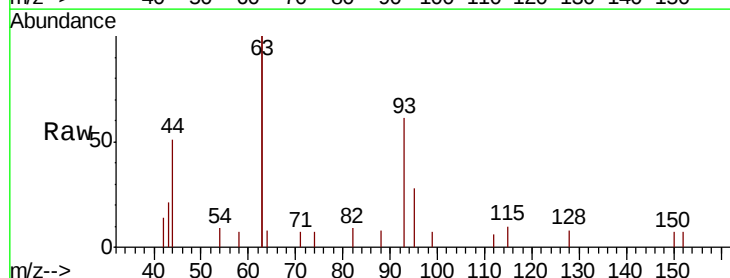
Tgt Ion: 93 Resp: 626

Ion Ratio Lower Upper

93 100

63 345.7 259.0 388.4

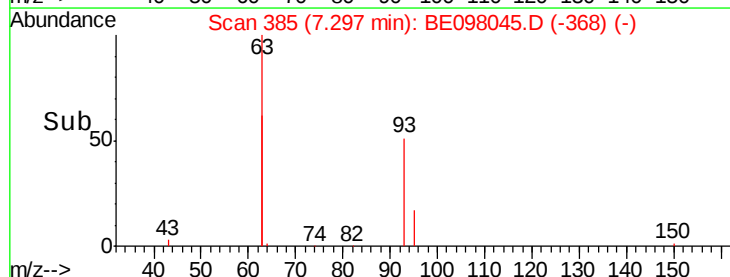
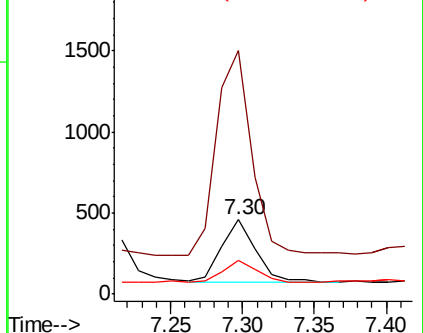
95 39.9 27.8 41.8

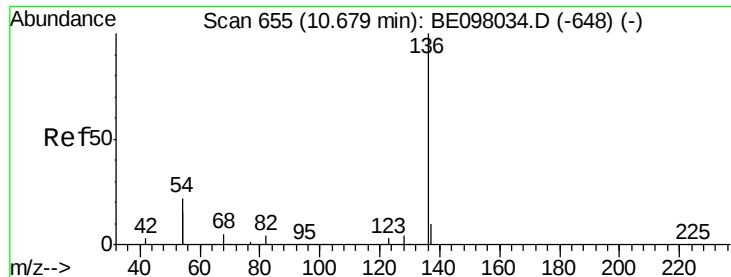


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tot Ion:136 Resp: 5240

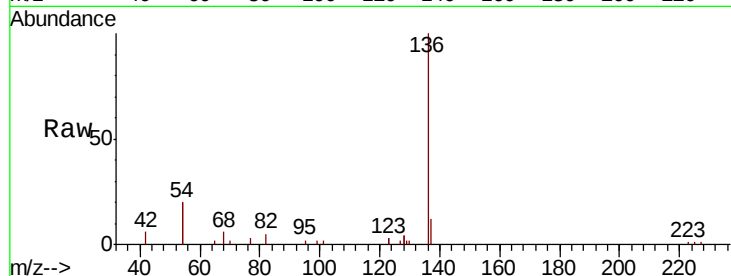
Ion Ratio Lower Upper

136 100

137 11.8 9.6 14.4

54 40.8 27.7 41.5

68 6.3 5.3 7.9

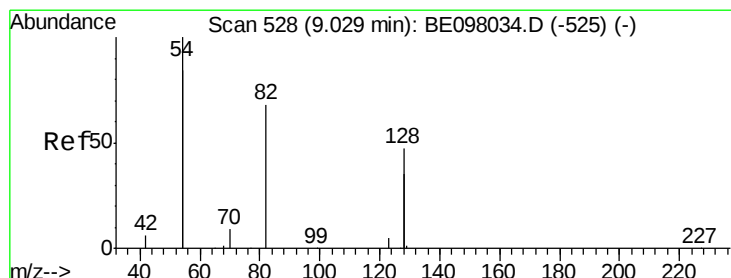
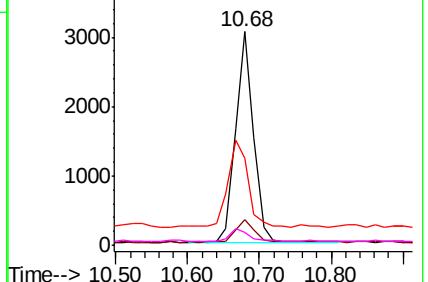
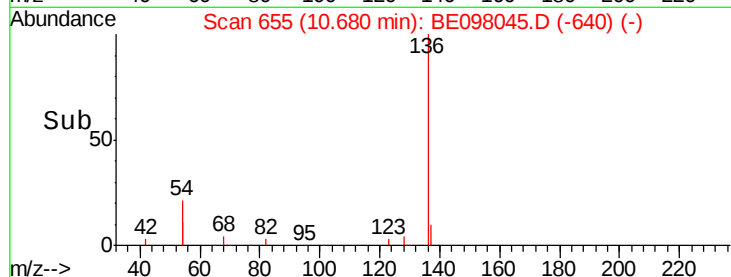


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.426 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

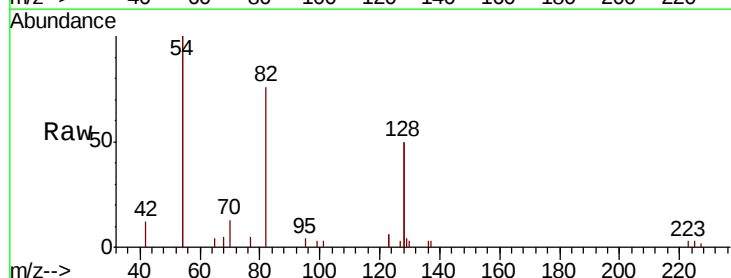
Tgt Ion: 82 Resp: 2376

Ion Ratio Lower Upper

82 100

128 131.5 129.9 194.9

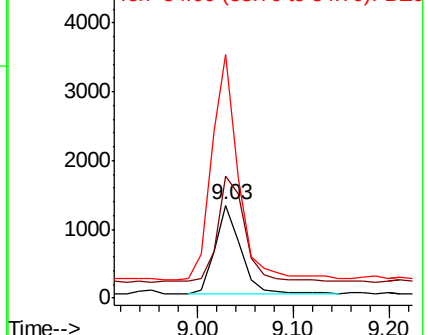
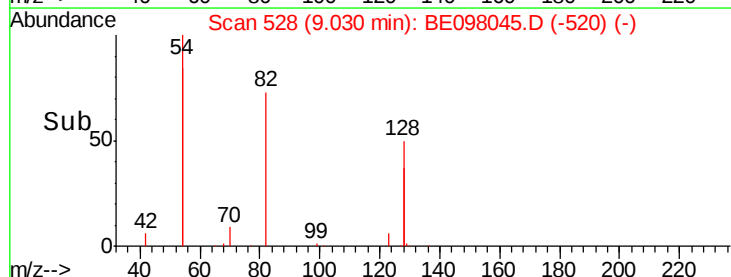
54 261.9 174.0 261.0#

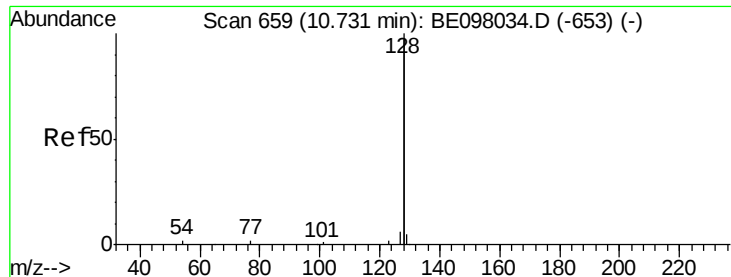


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.176 ng

RT: 10.73 min Scan# 659

Delta R.T. 0.00 min

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ClientSampleId :

LOQ-WATER-02-QT4-2018

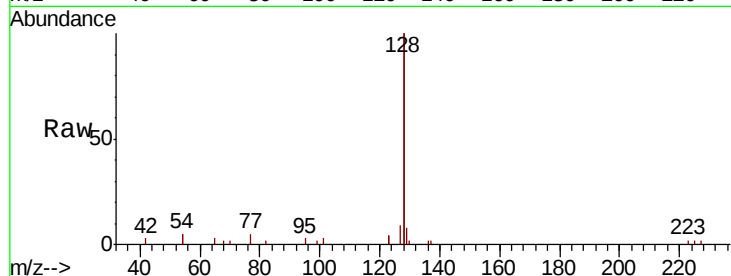
Tot Ion:128 Resp: 9171

Ion Ratio Lower Upper

128 100

129 4.0 2.5 3.7#

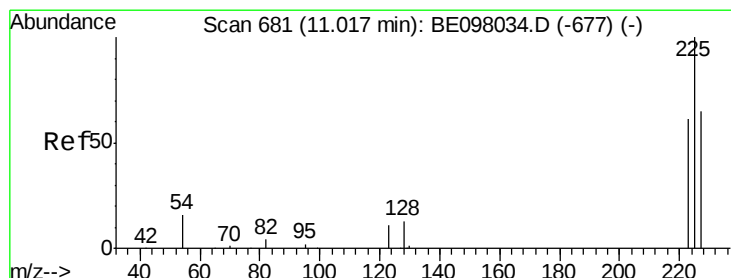
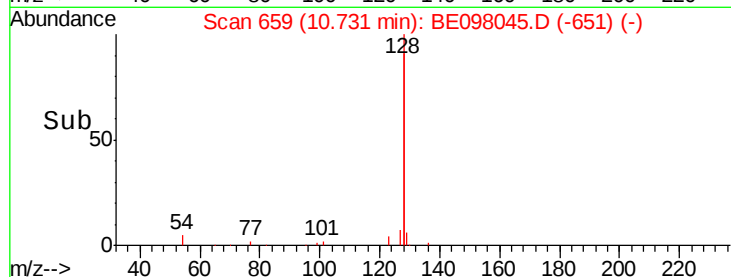
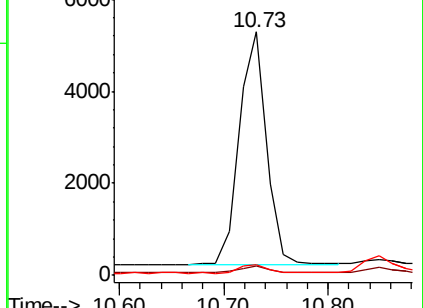
127 4.3 2.8 4.2#



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: 0.188 ng

RT: 11.02 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

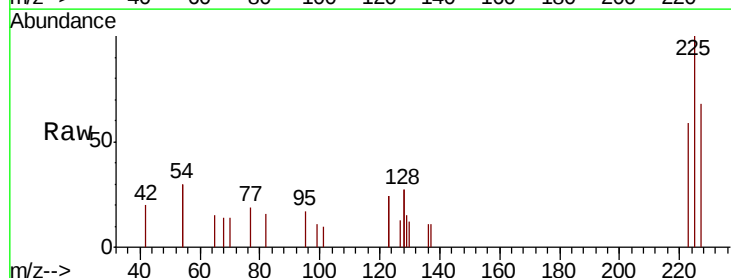
Tgt Ion:225 Resp: 664

Ion Ratio Lower Upper

225 100

223 60.4 51.8 77.8

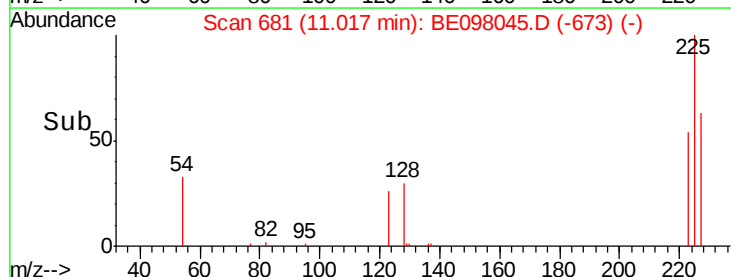
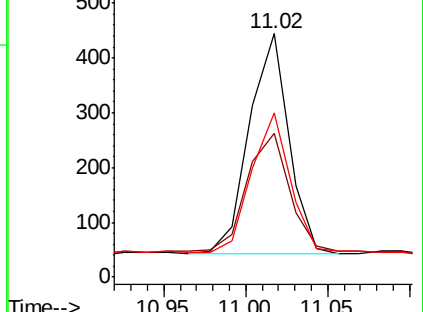
227 61.4 53.0 79.6

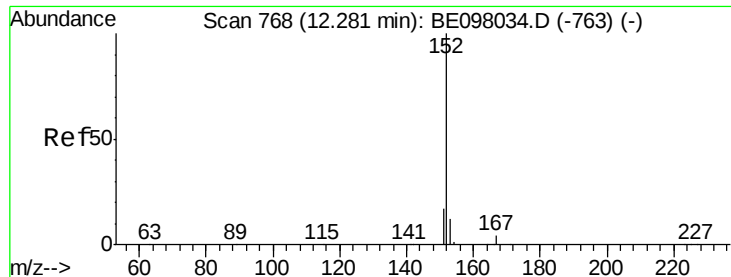


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

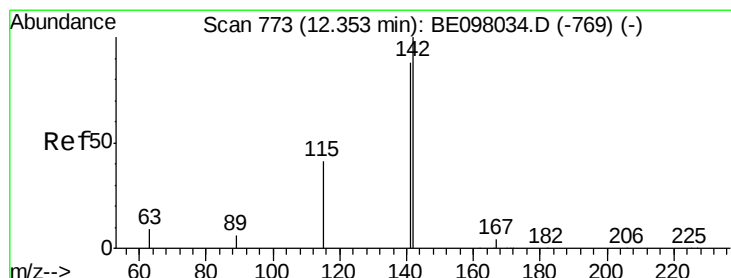
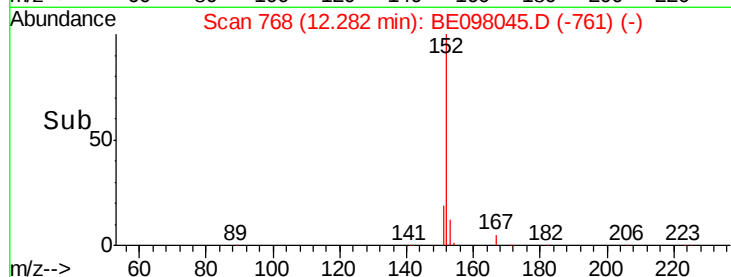
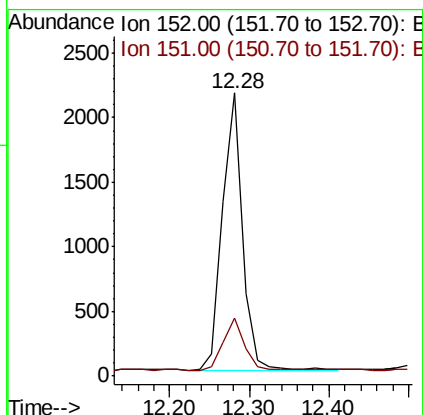
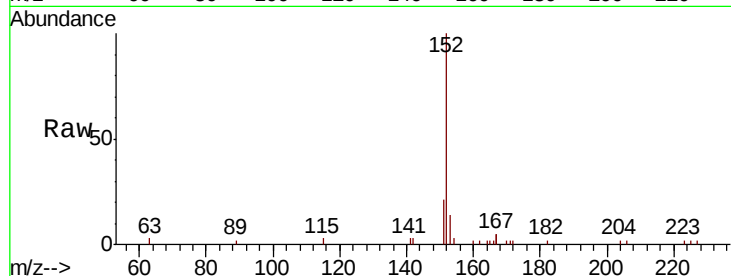




#11  
2-Methylnaphthalene-d10  
Concen: 0.401 ng  
RT: 12.28 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: BE098045.D  
Acq: 24 Oct 2018 19:12

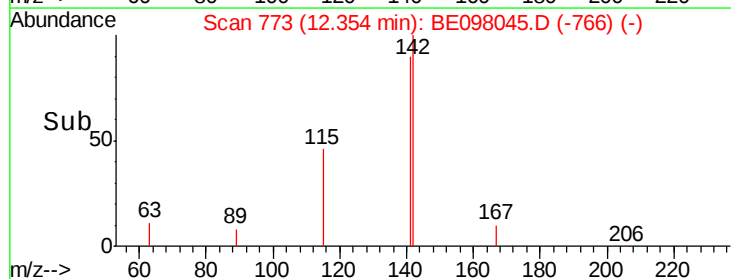
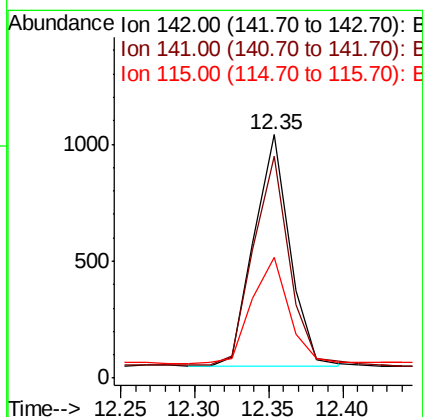
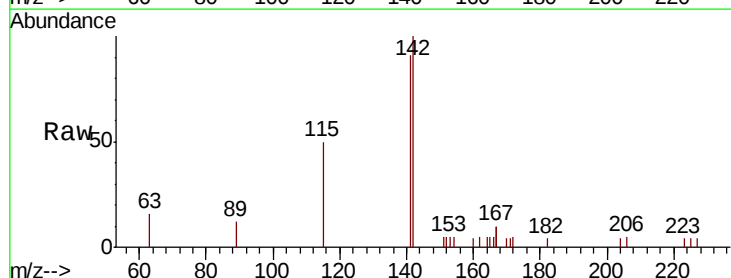
Instrument :  
BNA\_E  
ClientSampleId :  
LOQ-WATER-02-QT4-2018

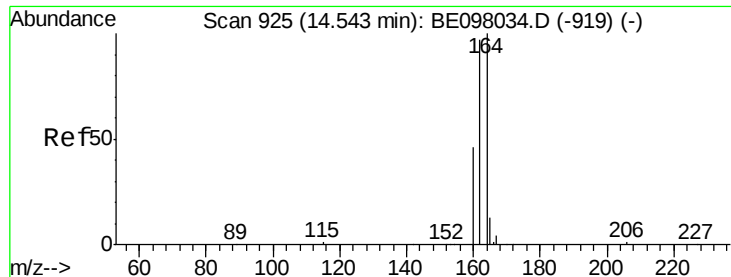
Tot Ion:152 Resp: 3728  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.2 24.4



#12  
2-Methylnaphthalene  
Concen: 0.176 ng  
RT: 12.35 min Scan# 773  
Delta R.T. 0.00 min  
Lab File: BE098045.D  
Acq: 24 Oct 2018 19:12

Tgt Ion:142 Resp: 1655  
Ion Ratio Lower Upper  
142 100  
141 91.2 69.8 104.6  
115 49.7 30.5 45.7#

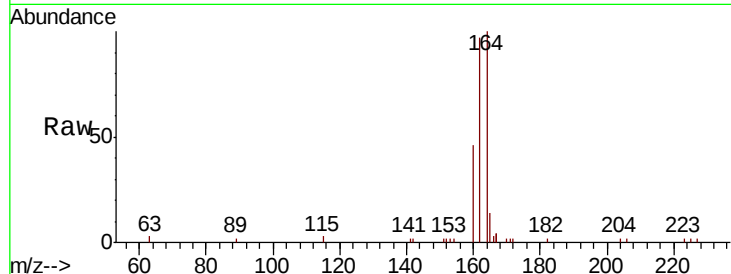




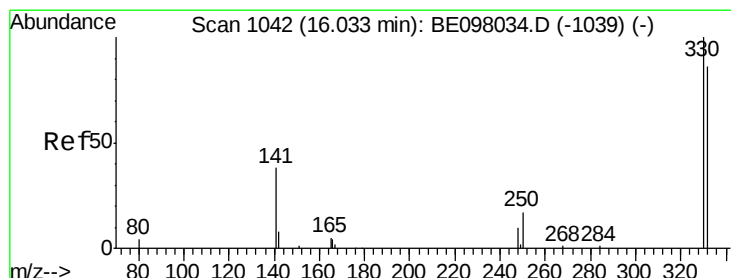
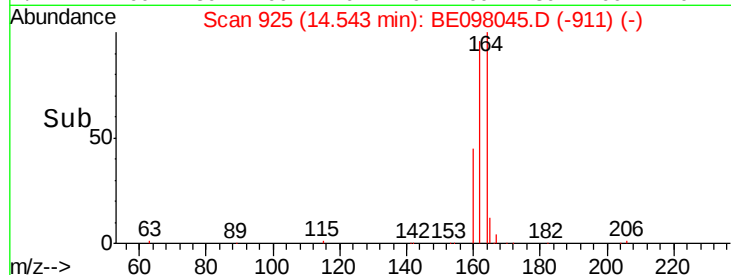
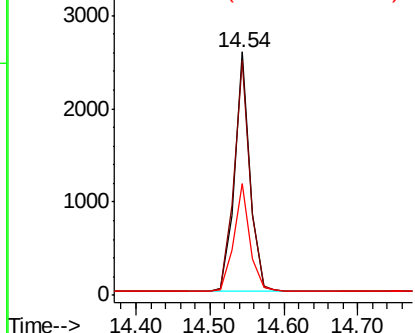
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.54 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: BE098045.D  
Acq: 24 Oct 2018 19:12

Instrument :  
BNA\_E  
ClientSampleId :  
LOQ-WATER-02-QT4-2018

Tot Ion:164 Resp: 3736  
Ion Ratio Lower Upper  
164 100  
162 96.5 77.4 116.2  
160 45.7 36.5 54.7

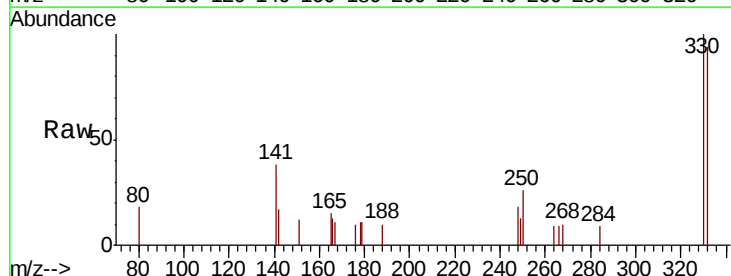


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

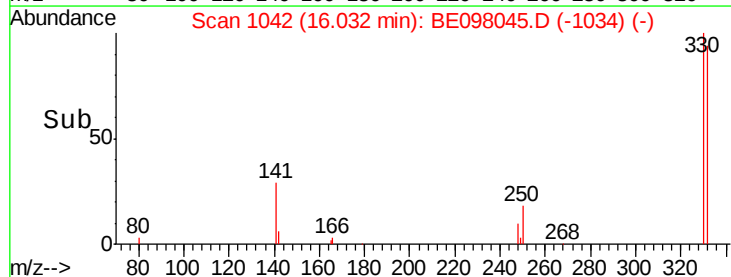
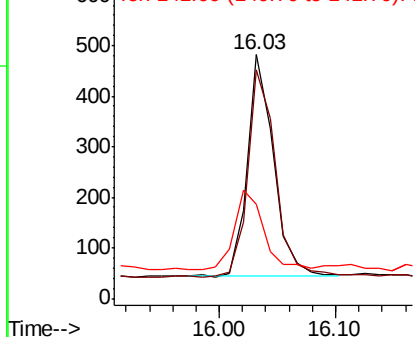


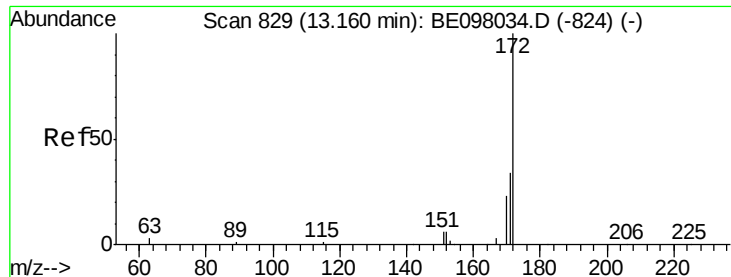
#14  
2,4,6-Tribromophenol  
Concen: 0.366 ng  
RT: 16.03 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: BE098045.D  
Acq: 24 Oct 2018 19:12

Tgt Ion:330 Resp: 688  
Ion Ratio Lower Upper  
330 100  
332 99.7 76.5 114.7  
141 39.7 31.8 47.6



Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

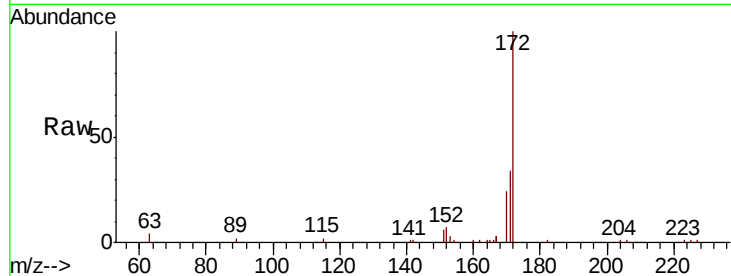




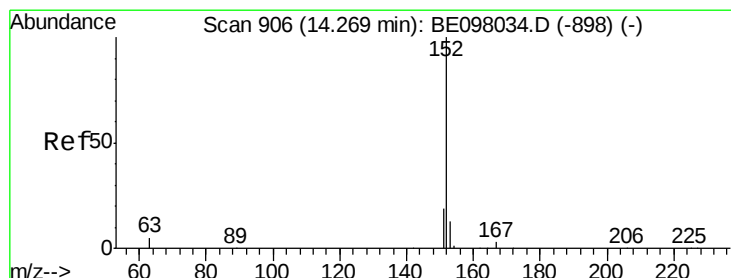
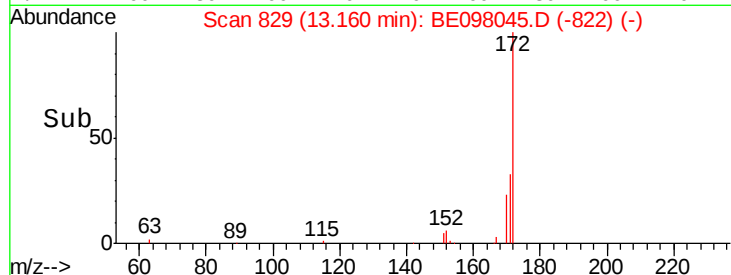
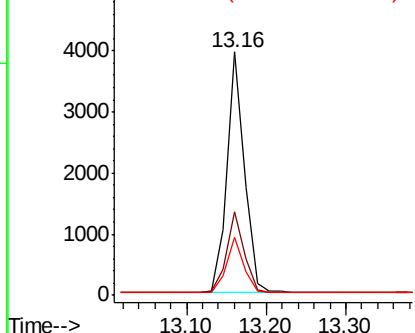
#15  
2-Fluorobiphenyl  
Concen: 0.399 ng  
RT: 13.16 min Scan# 829  
Delta R.T. 0.00 min  
Lab File: BE098045.D  
Acq: 24 Oct 2018 19:12

Instrument :  
BNA\_E  
ClientSampleId :  
LOQ-WATER-02-QT4-2018

Tot Ion:172 Resp: 6028  
Ion Ratio Lower Upper  
172 100  
171 34.3 26.0 39.0  
170 23.6 18.0 27.0

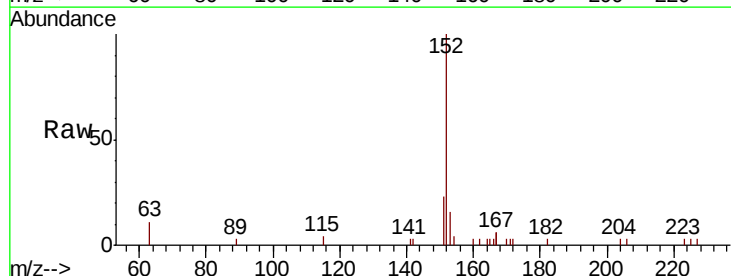


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

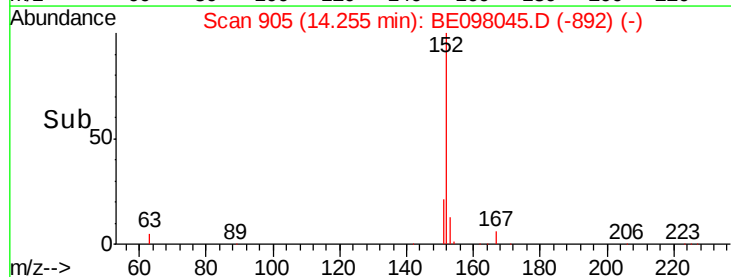
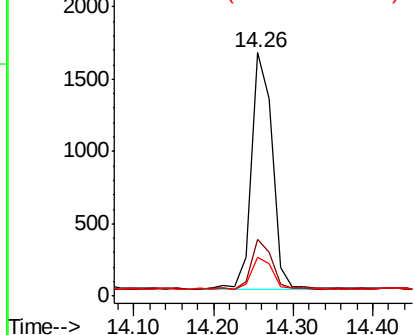


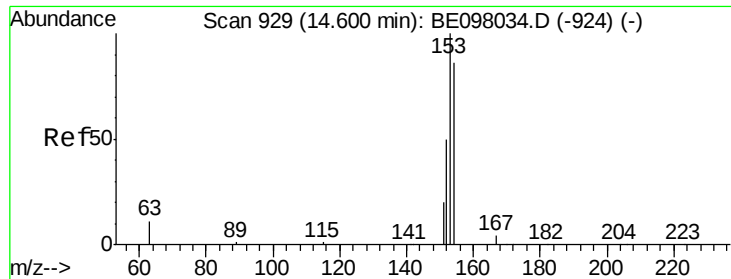
#16  
Acenaphthylene  
Concen: 0.173 ng  
RT: 14.26 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BE098045.D  
Acq: 24 Oct 2018 19:12

Tgt Ion:152 Resp: 2933  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.1 24.1  
153 13.9 10.9 16.3



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: 0.174 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

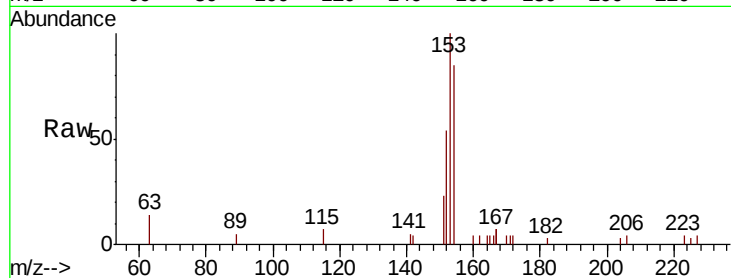
Tot Ion:154 Resp: 1783

Ion Ratio Lower Upper

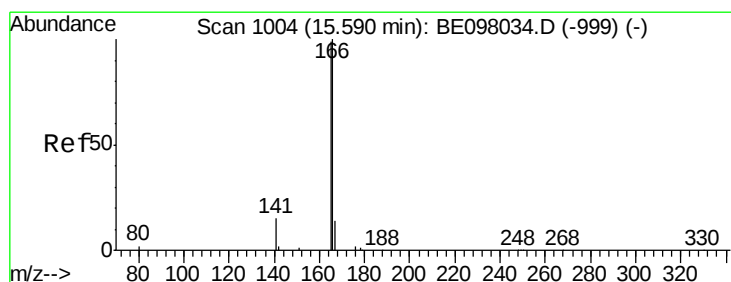
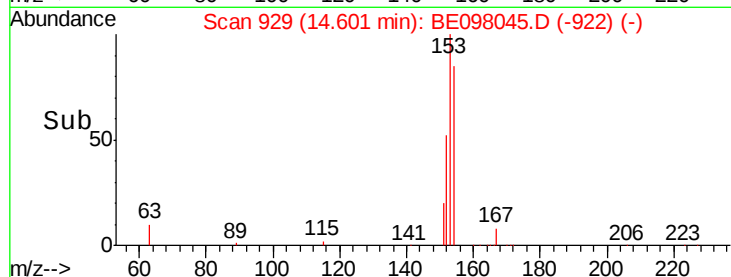
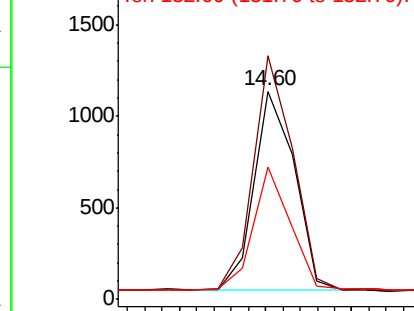
154 100

153 114.5 92.6 139.0

152 57.3 45.5 68.3



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: 0.169 ng

RT: 15.58 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

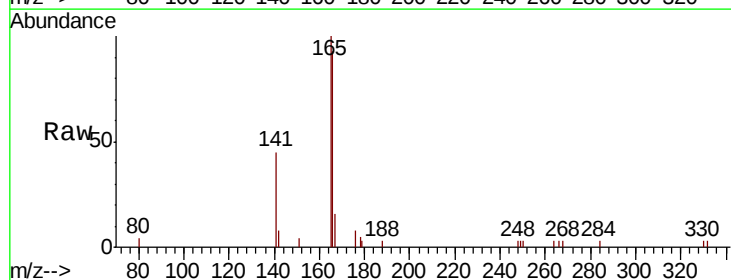
Tgt Ion:166 Resp: 2328

Ion Ratio Lower Upper

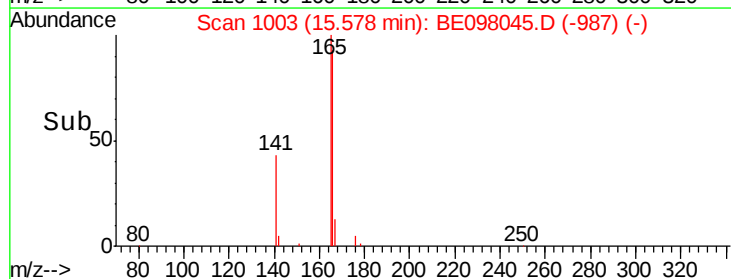
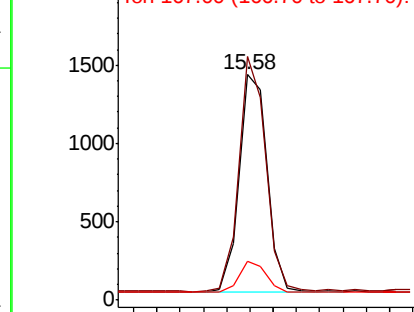
166 100

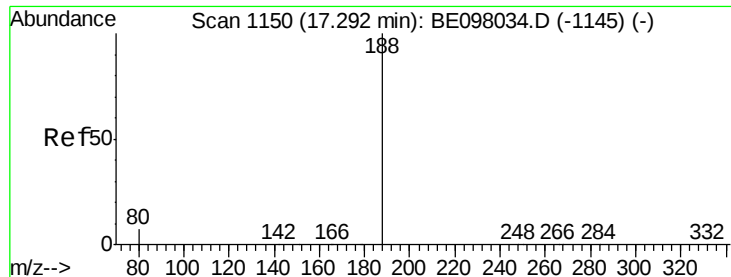
165 102.7 78.2 117.4

167 14.3 11.0 16.6



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: 17.29 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

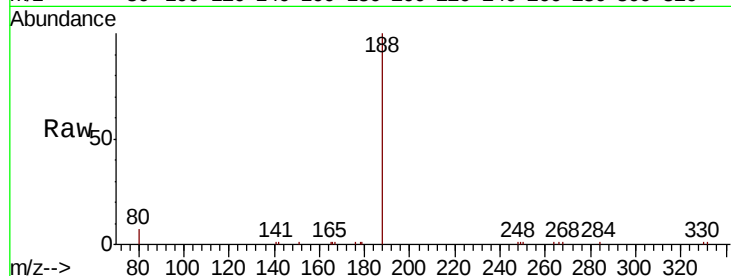
Tot Ion:188 Resp: 9239

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

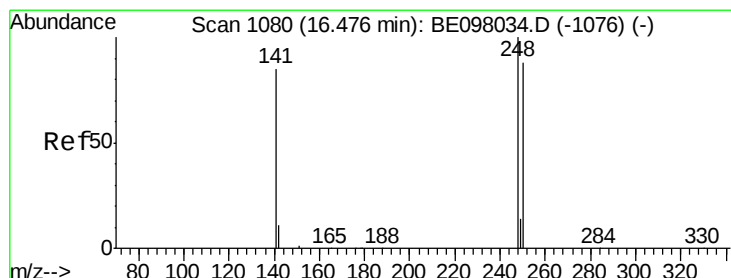
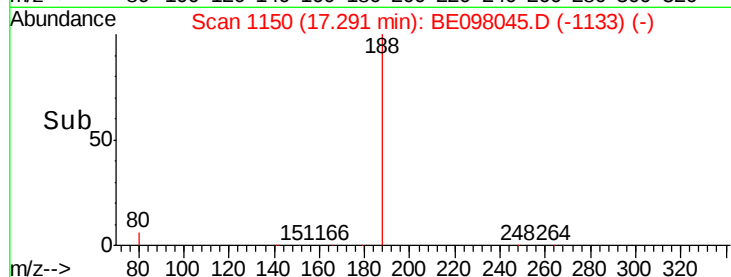
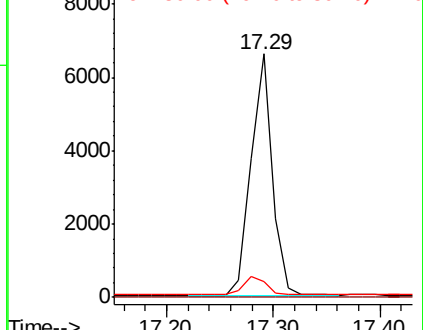
80 6.7 6.3 9.5



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: 0.173 ng

RT: 16.47 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

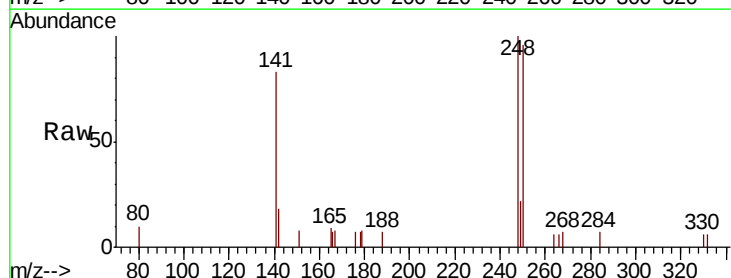
Tgt Ion:248 Resp: 964

Ion Ratio Lower Upper

248 100

250 95.9 75.1 112.7

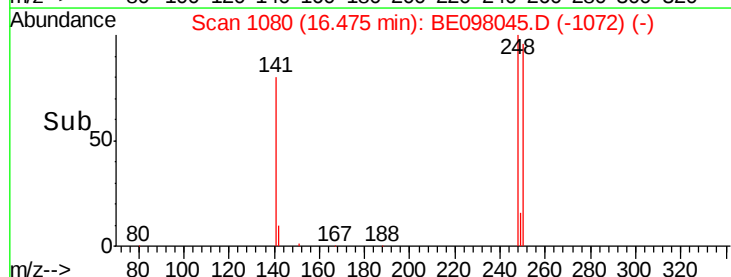
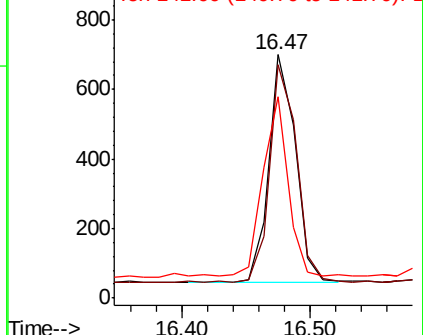
141 82.9 51.8 77.8#

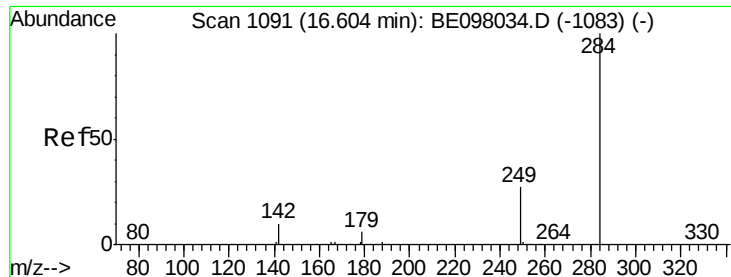


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.181 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

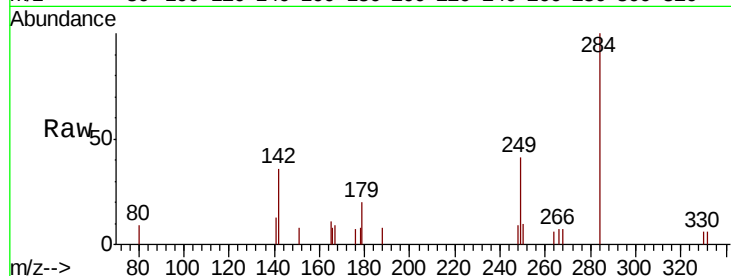
Tot Ion:284 Resp: 1051

Ion Ratio Lower Upper

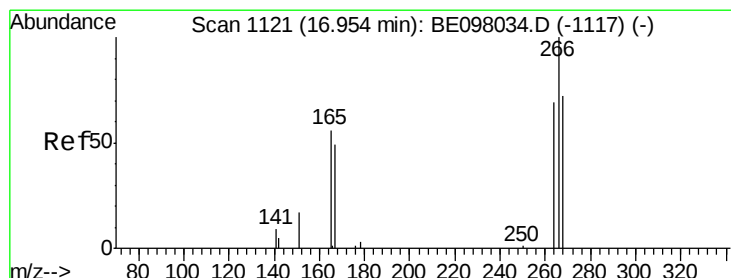
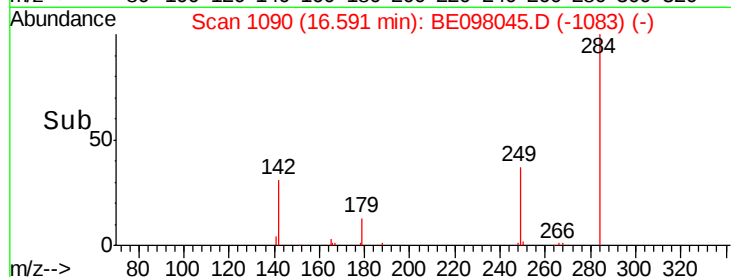
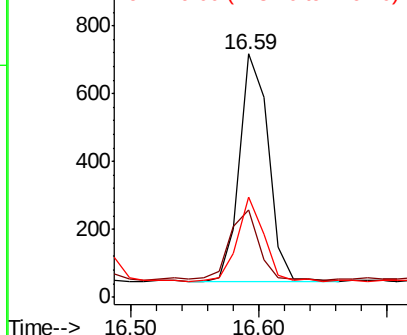
284 100

142 32.4 25.9 38.9

249 34.3 26.6 40.0



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



#22

Pentachlorophenol

Concen: 0.194 ng

RT: 16.95 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

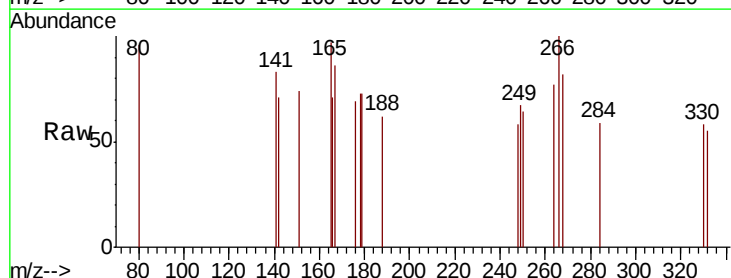
Tgt Ion:266 Resp: 94

Ion Ratio Lower Upper

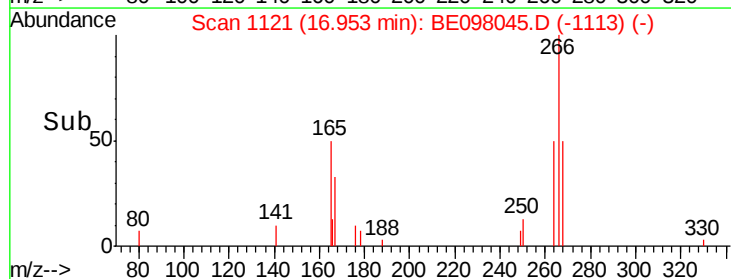
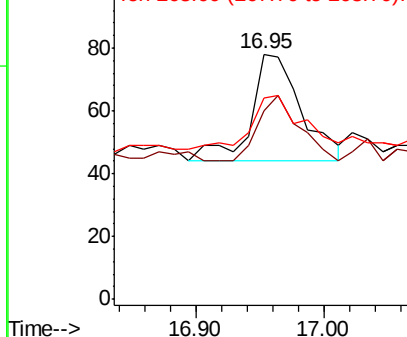
266 100

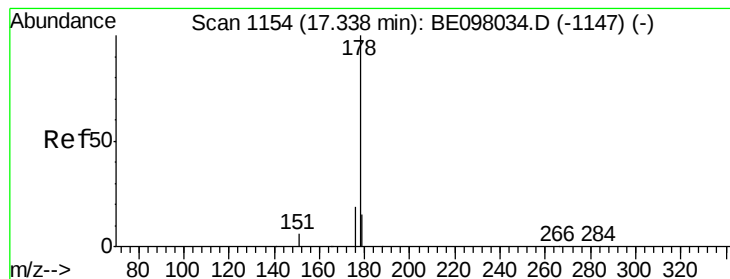
264 76.9 51.3 76.9#

268 82.1 50.1 75.1#



Abundance Ion 266.00 (265.70 to 266.70): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.166 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

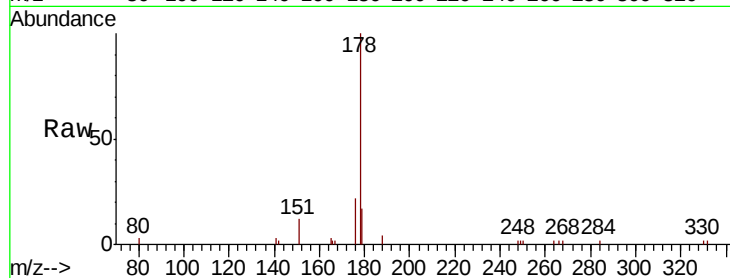
Tot Ion:178 Resp: 3770

Ion Ratio Lower Upper

178 100

176 20.2 15.5 23.3

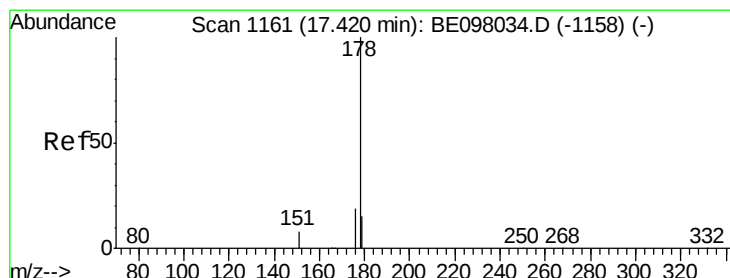
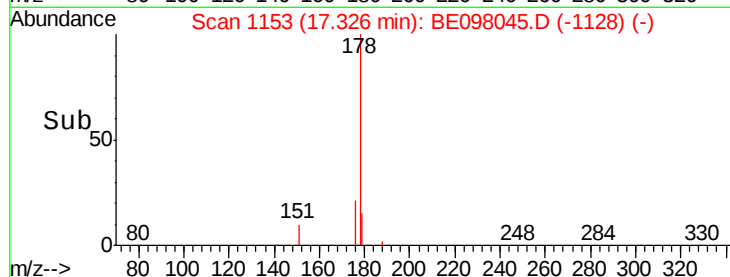
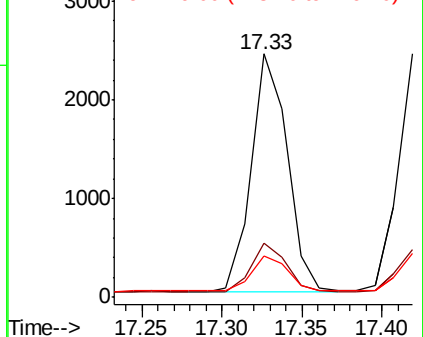
179 16.3 12.2 18.4



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: 0.166 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

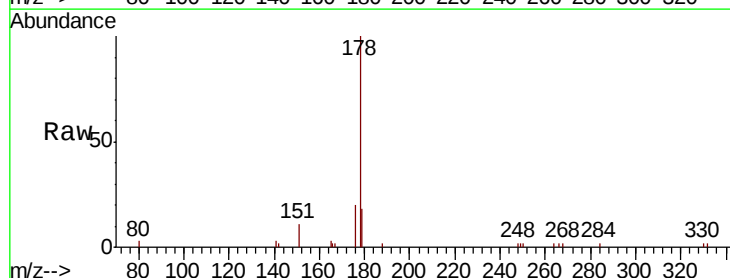
Tgt Ion:178 Resp: 3703

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

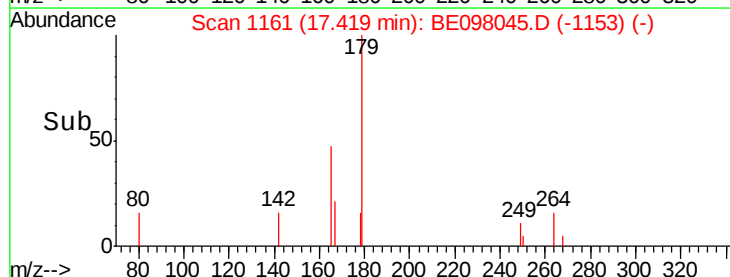
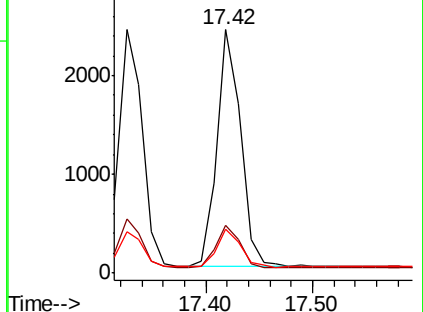
179 15.9 11.9 17.9

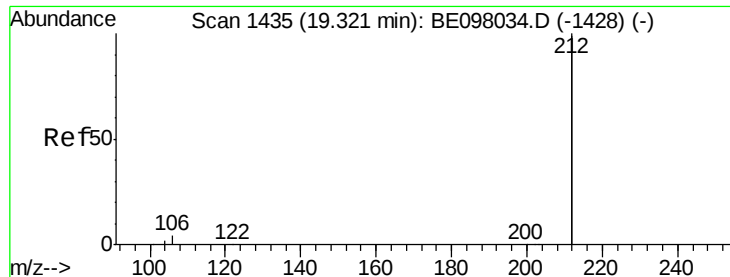


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.387 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

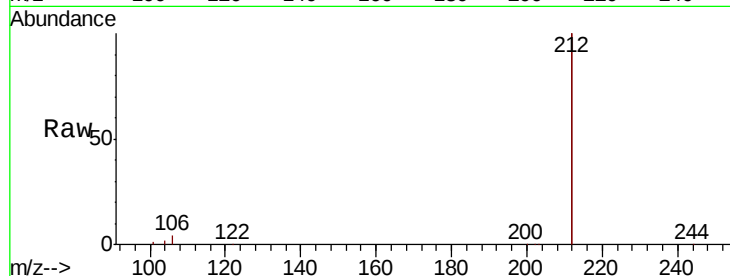
Tot Ion:212 Resp: 45843

Ion Ratio Lower Upper

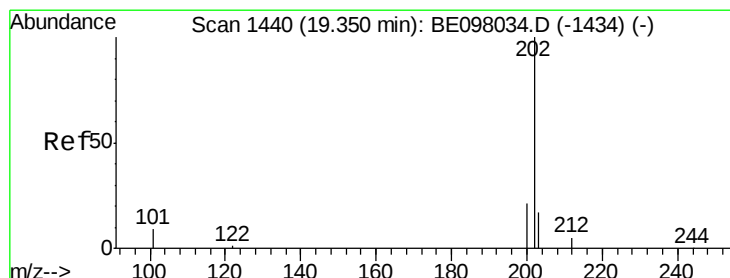
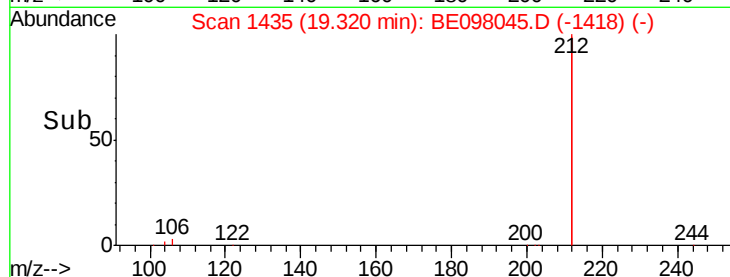
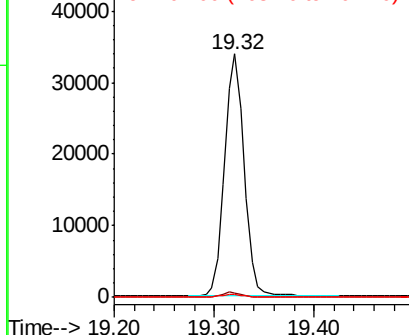
212 100

106 2.0 2.3 3.5#

104 1.1 1.3 1.9#



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: 0.169 ng

RT: 19.35 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

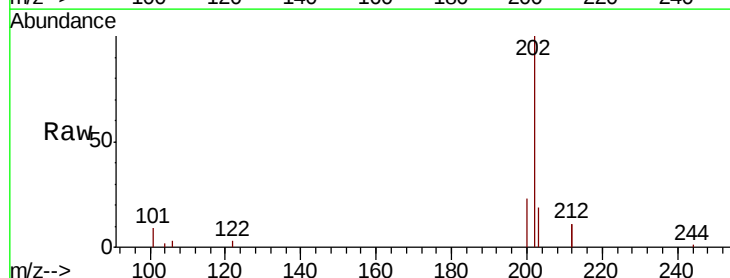
Tgt Ion:202 Resp: 4781

Ion Ratio Lower Upper

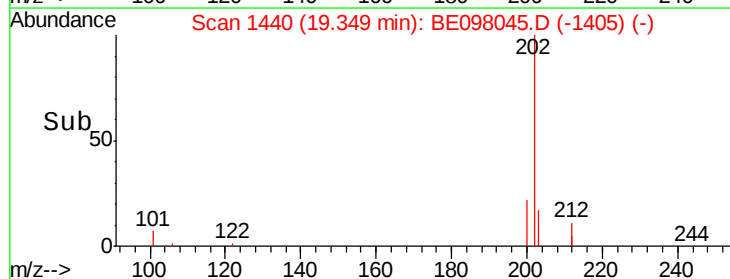
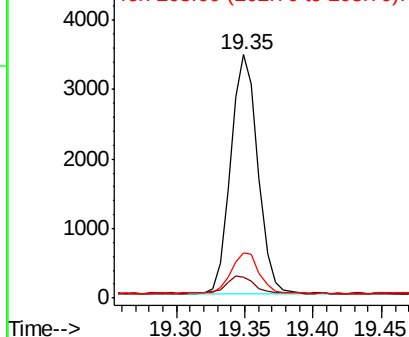
202 100

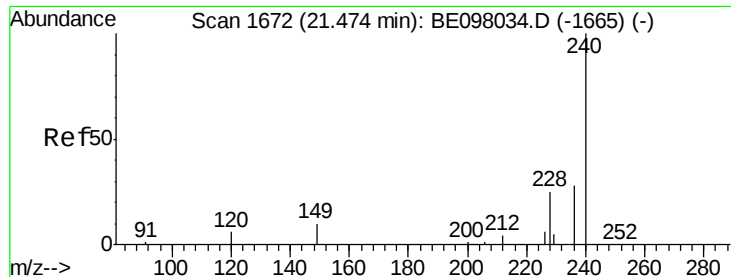
101 8.1 8.2 12.2#

203 17.4 15.0 22.4



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: 21.48 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

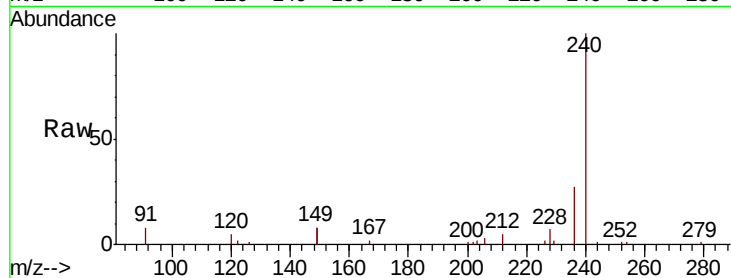
Tot Ion:240 Resp: 10875

Ion Ratio Lower Upper

240 100

120 5.2 7.1 10.7#

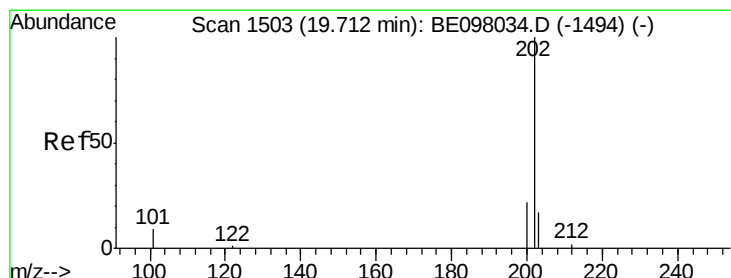
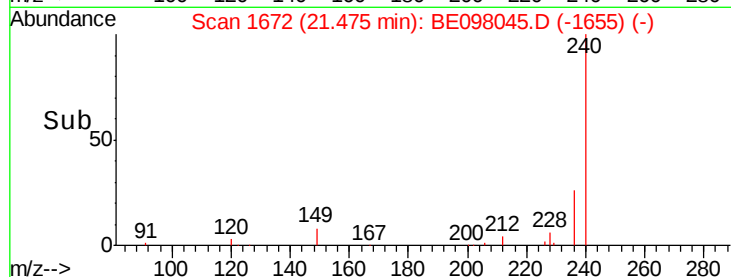
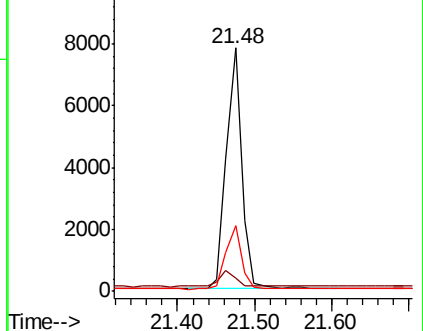
236 27.0 21.3 31.9



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: 0.169 ng

RT: 19.71 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

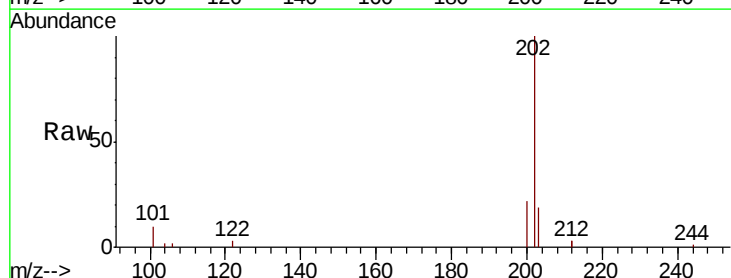
Tgt Ion:202 Resp: 5064

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

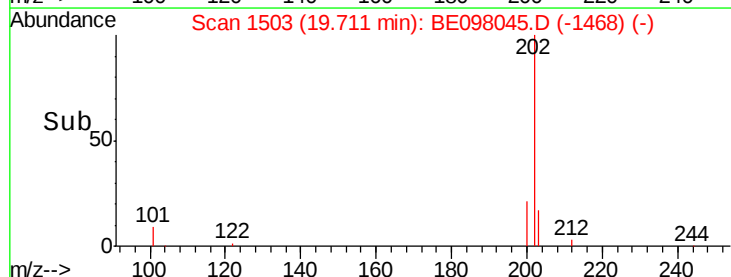
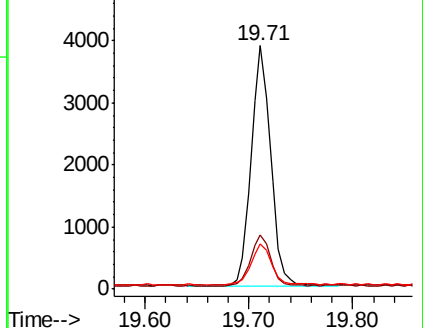
203 17.3 14.2 21.4

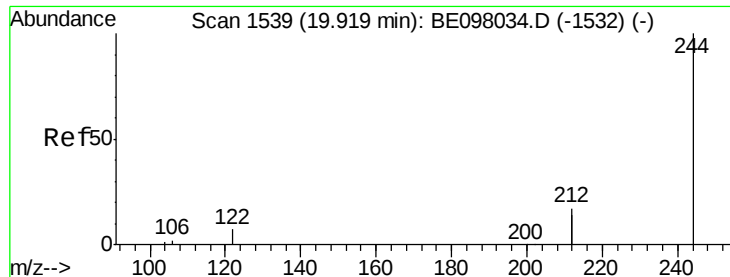


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.378 ng

RT: 19.92 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

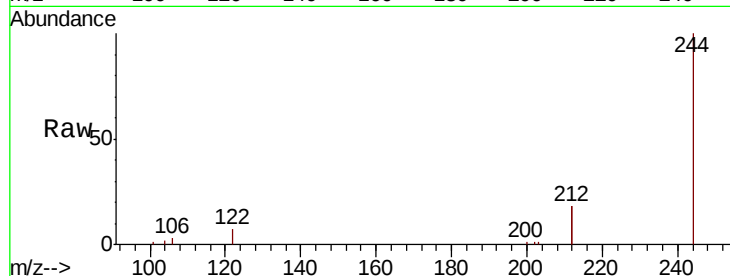
Tot Ion:244 Resp: 9692

Ion Ratio Lower Upper

244 100

212 35.5 26.2 39.2

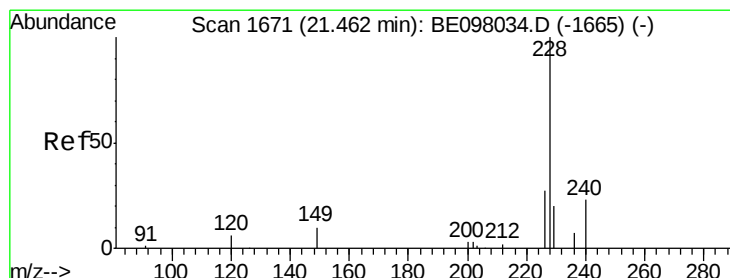
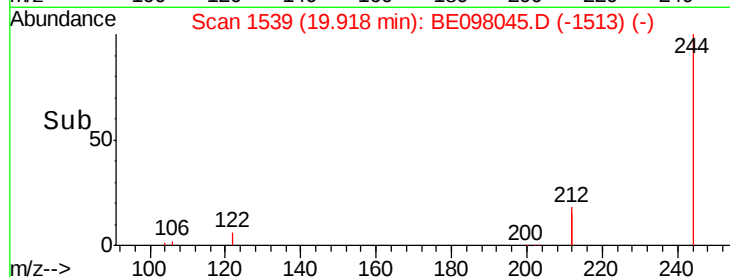
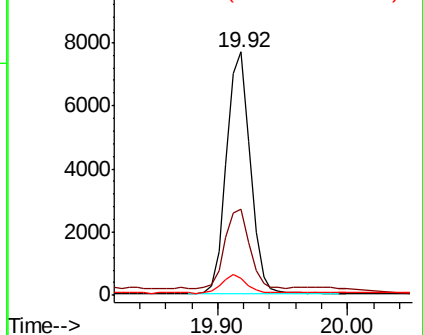
122 6.9 7.7 11.5#



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: 0.173 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

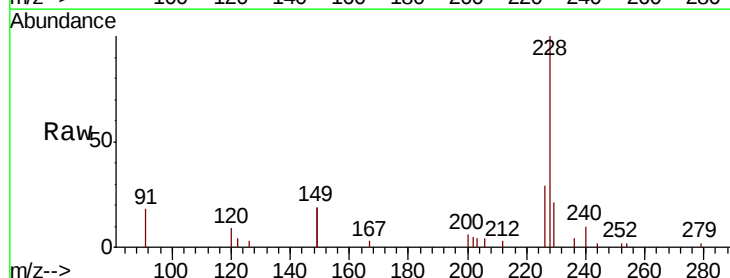
Tgt Ion:228 Resp: 5549

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

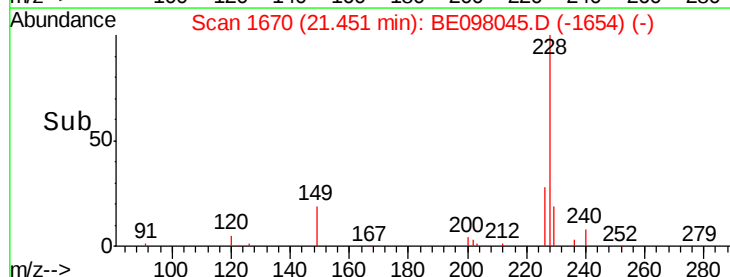
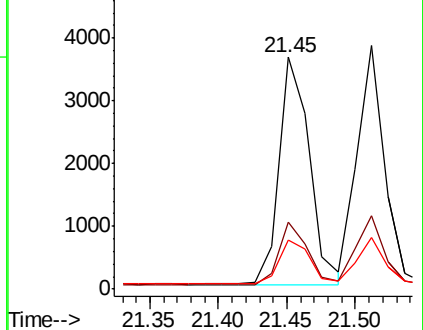
229 21.1 16.9 25.3

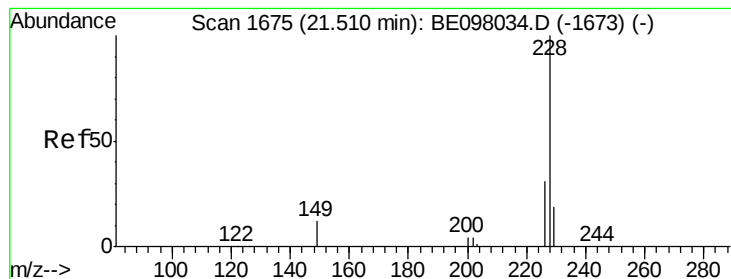


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.167 ng

RT: 21.51 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

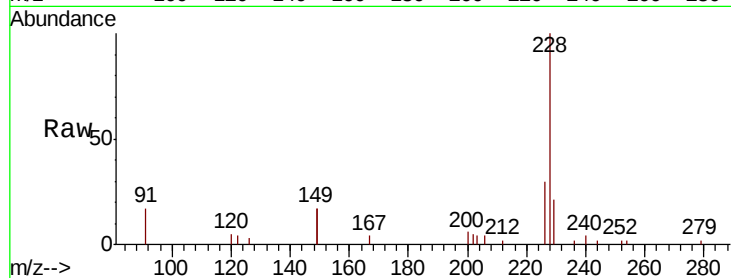
Tot Ion:228 Resp: 5222

Ion Ratio Lower Upper

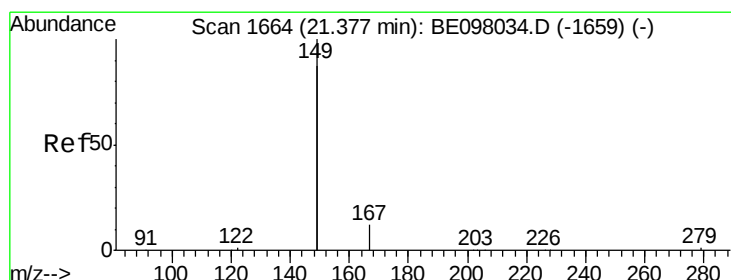
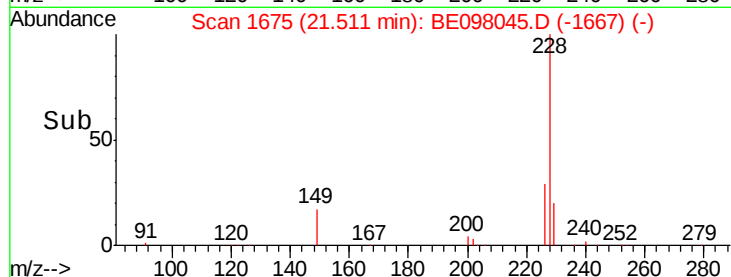
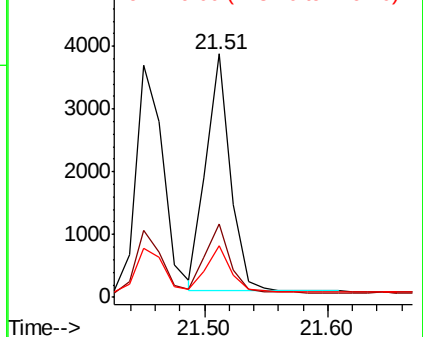
228 100

226 30.3 24.3 36.5

229 21.3 17.3 25.9



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: 0.167 ng

RT: 21.38 min Scan# 1664

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

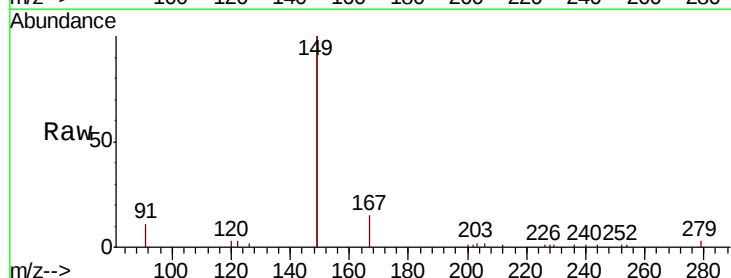
Tgt Ion:149 Resp: 12745

Ion Ratio Lower Upper

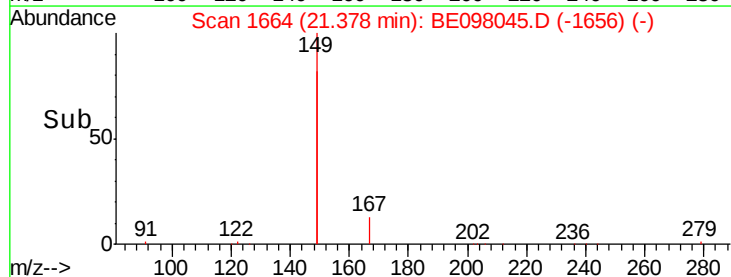
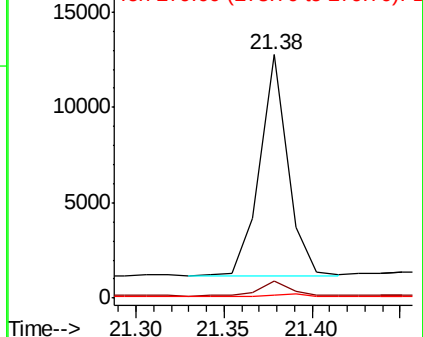
149 100

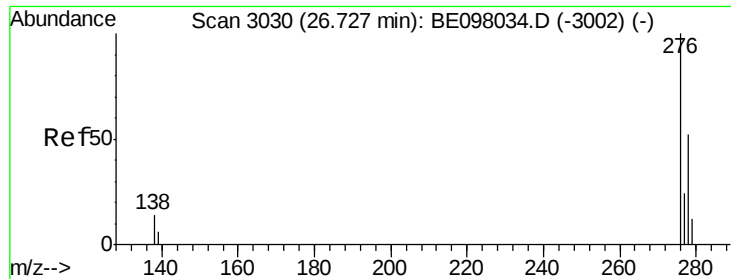
167 7.1 5.6 8.4

279 1.5 0.9 1.3#



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

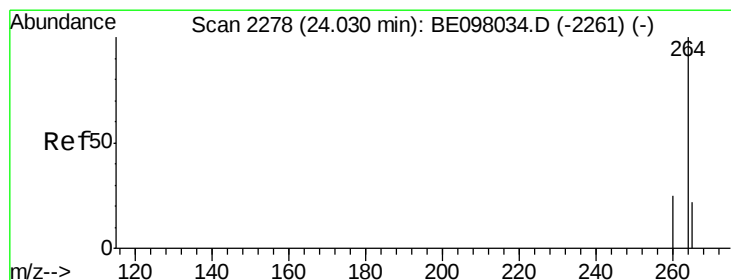
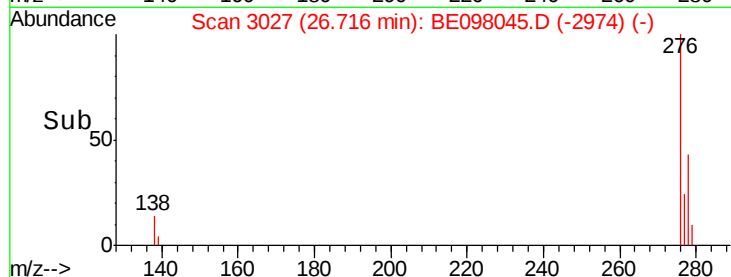
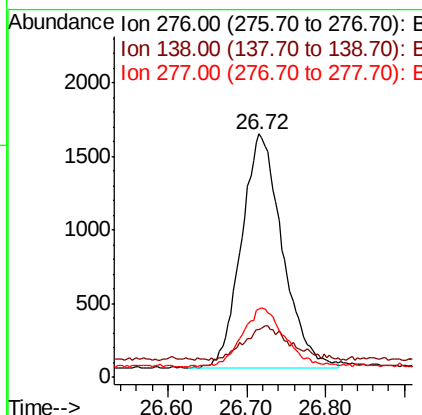
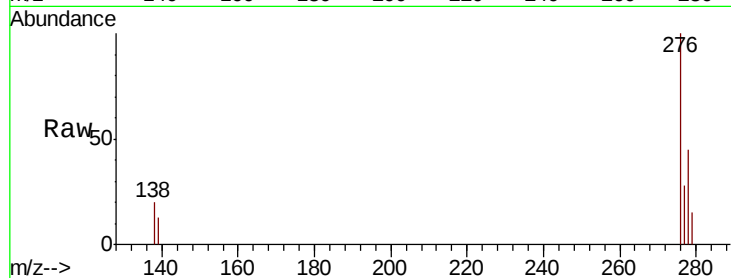




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.168 ng  
 RT: 26.72 min Scan# 3027  
 Delta R.T. -0.01 min  
 Lab File: BE098045.D  
 Acq: 24 Oct 2018 19:12

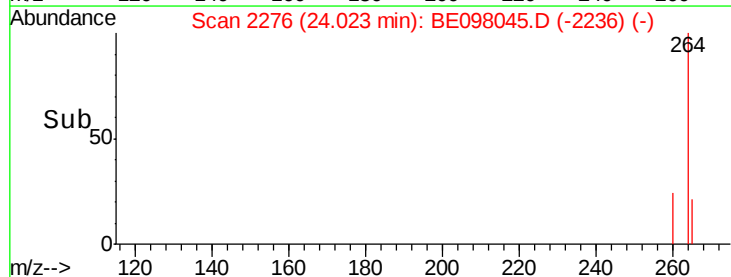
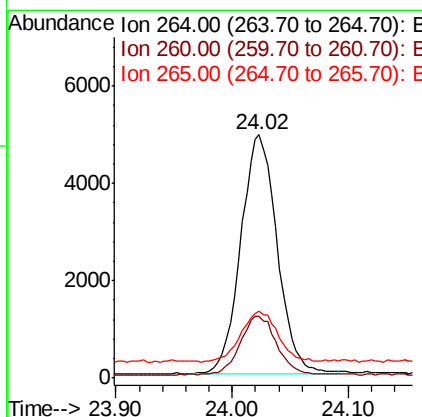
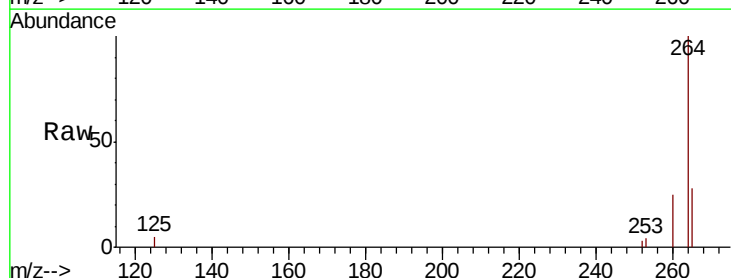
Instrument :  
 BNA\_E  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2018

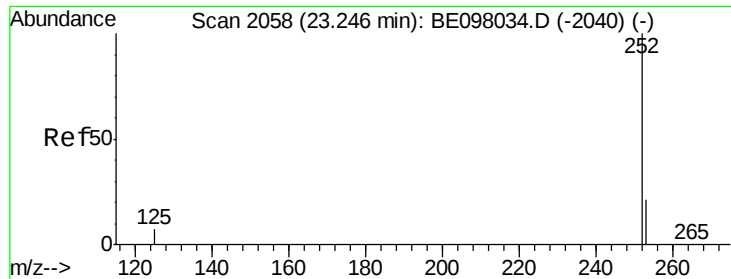
Tot Ion:276 Resp: 5747  
 Ion Ratio Lower Upper  
 276 100  
 138 15.3 17.0 25.6#  
 277 25.1 20.5 30.7



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.02 min Scan# 2276  
 Delta R.T. -0.01 min  
 Lab File: BE098045.D  
 Acq: 24 Oct 2018 19:12

Tgt Ion:264 Resp: 10679  
 Ion Ratio Lower Upper  
 264 100  
 260 25.3 21.1 31.7  
 265 27.7 29.2 43.8#





#35

Benzo(b)fluoranthene

Concen: 0.172 ng

RT: 23.24 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

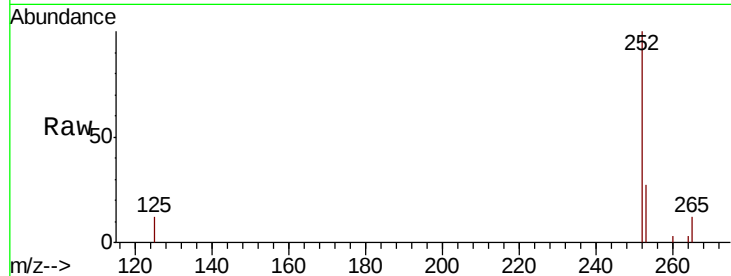
Tot Ion:252 Resp: 5101

Ion Ratio Lower Upper

252 100

253 26.5 20.6 31.0

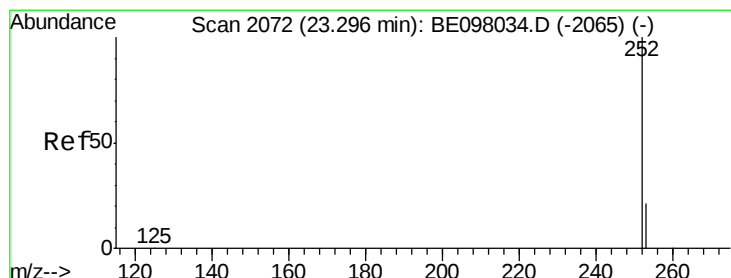
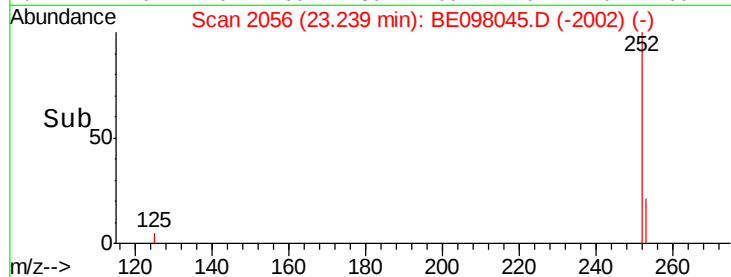
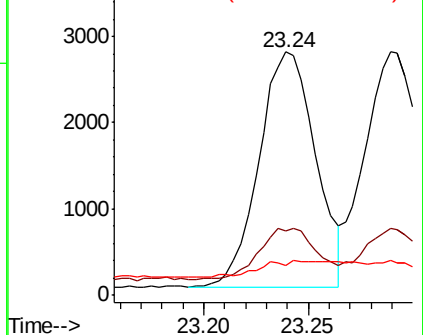
125 12.4 14.3 21.5#



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: 0.173 ng

RT: 23.29 min Scan# 2070

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

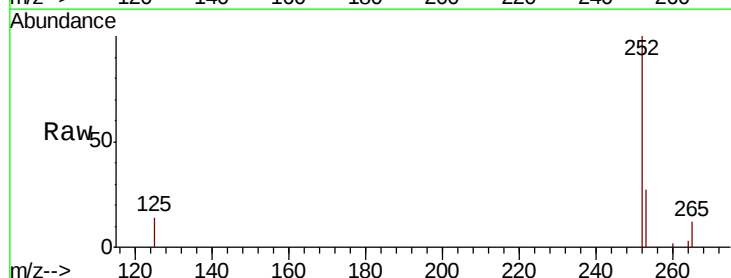
Tgt Ion:252 Resp: 5320

Ion Ratio Lower Upper

252 100

253 27.4 20.4 30.6

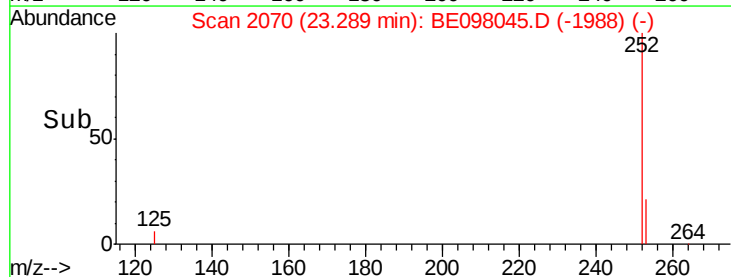
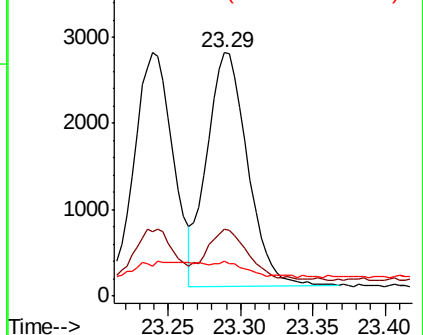
125 14.1 14.6 21.8#

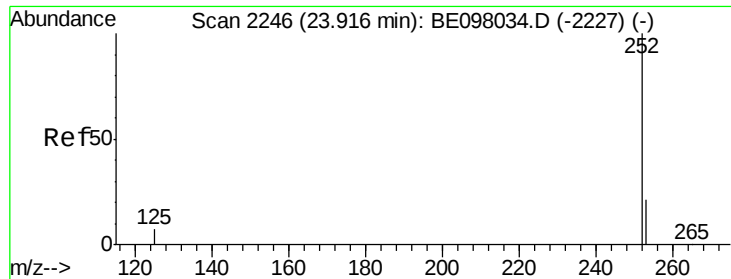


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.172 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

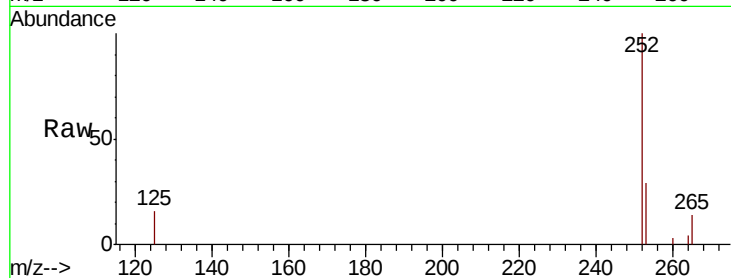
Tot Ion:252 Resp: 5014

Ion Ratio Lower Upper

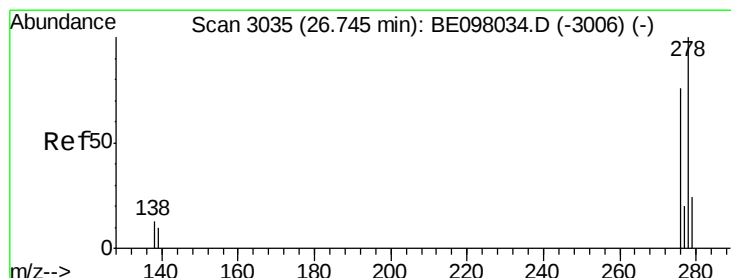
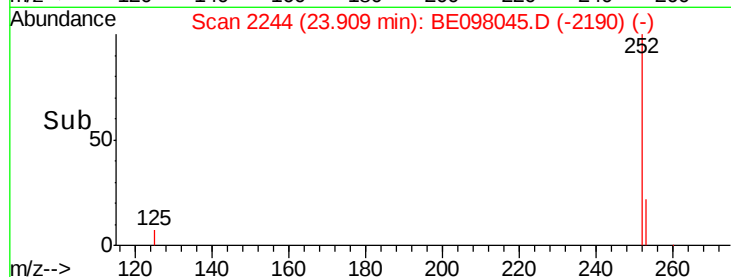
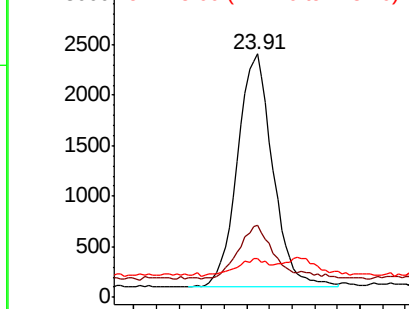
252 100

253 29.4 20.6 31.0

125 15.9 15.6 23.4



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: 0.166 ng

RT: 26.74 min Scan# 3034

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

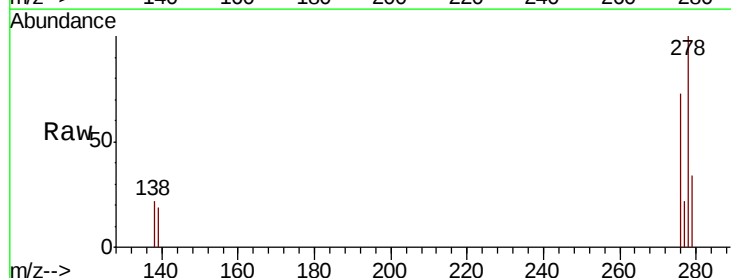
Tgt Ion:278 Resp: 4728

Ion Ratio Lower Upper

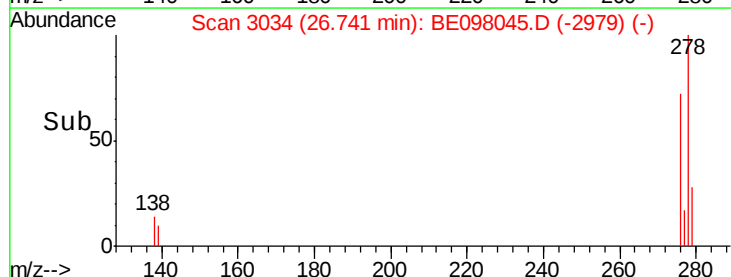
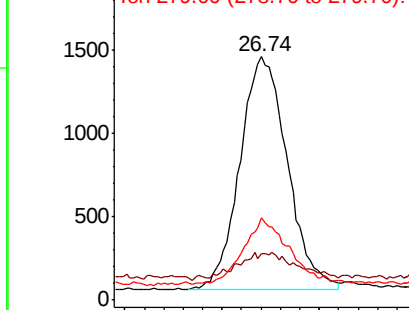
278 100

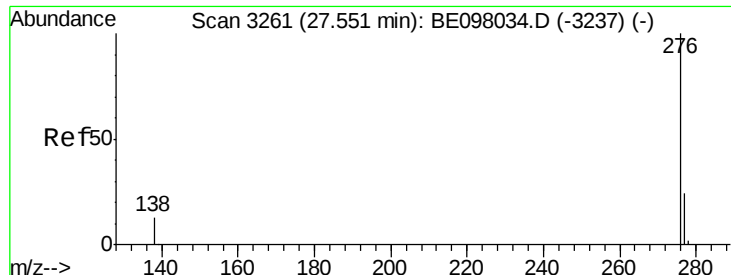
139 19.1 16.3 24.5

279 33.6 21.4 32.2#



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(a,h,i)perylene

Concen: 0.172 ng

RT: 27.55 min Scan# 3260

Delta R.T. -0.00 min

Lab File: BE098045.D

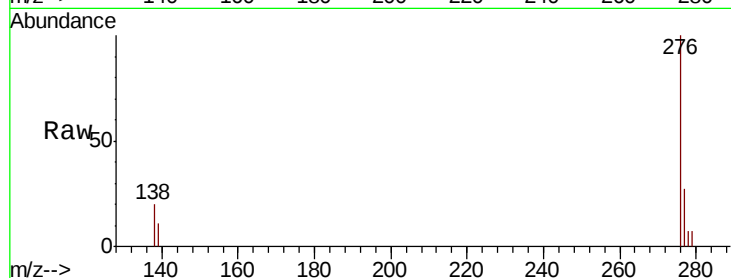
Acq: 24 Oct 2018 19:12

Instrument :

BNA\_E

ClientSampleId :

LOQ-WATER-02-QT4-2018



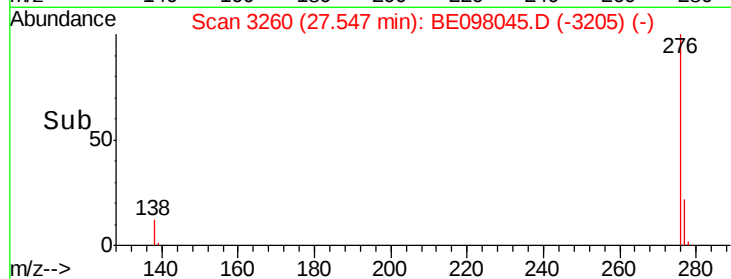
Tot Ion: 276 Resp: 4853

Ion Ratio Lower Upper

276 100

277 26.7 22.1 33.1

138 20.0 19.3 28.9



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

