

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF123115\  
 Data File : BF084204.D  
 Acq On : 31 Dec 2015 19:35  
 Operator : UM/SJ  
 Sample : G4825-06  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER2016-02

Quant Time: Jan 01 23:28:10 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 31 14:15:57 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 291468   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.19  | 136  | 1220716  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.94  | 164  | 554307   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.42 | 188  | 1037867  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.07 | 240  | 814754   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.49 | 264  | 602000   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.50  | 112 | 2059696 | 114.30 | ng | 0.01  |
| 7) Phenol-d6             | 6.53  | 99  | 2933576 | 129.62 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.47  | 82  | 1930332 | 88.01  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 10.73 | 330 | 704266  | 125.85 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.26  | 172 | 2704905 | 85.91  | ng | 0.00  |
| 78) Terphenyl-d14        | 13.01 | 244 | 2585522 | 70.84  | ng | 0.00  |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.59 | 88  | 132270  | 15.49 | ng | # 65   |
| 3) Pyridine                    | 3.34 | 79  | 360552  | 15.15 | ng | # 71   |
| 4) n-Nitrosodimethylamine      | 3.26 | 42  | 204692  | 16.76 | ng | # 80   |
| 6) Aniline                     | 6.56 | 93  | 384843  | 11.62 | ng | # 80   |
| 8) 2-Chlorophenol              | 6.68 | 128 | 381128  | 18.64 | ng | # 87   |
| 9) Benzaldehyde                | 6.44 | 77  | 297864  | 20.21 | ng | # 93   |
| 10) Phenol                     | 6.54 | 94  | 477138  | 18.54 | ng | # 79   |
| 11) bis(2-Chloroethyl)ether    | 6.64 | 93  | 393077  | 19.72 | ng | # 85   |
| 12) 1,3-Dichlorobenzene        | 6.84 | 146 | 401730  | 19.05 | ng | # 98   |
| 13) 1,4-Dichlorobenzene        | 6.84 | 146 | 401730  | 19.00 | ng | # 95   |
| 14) 1,2-Dichlorobenzene        | 7.07 | 146 | 370465  | 18.29 | ng | # 96   |
| 15) Benzyl Alcohol             | 7.04 | 79  | 348437  | 18.30 | ng | # 90   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45  | 662214  | 18.24 | ng | # 84   |
| 17) 2-Methylphenol             | 7.15 | 107 | 313809  | 18.31 | ng | # 95   |
| 18) Hexachloroethane           | 7.41 | 117 | 146751  | 17.35 | ng | # 92   |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70  | 264590  | 17.27 | ng | # 67   |
| 20) 3+4-Methylphenols          | 7.30 | 107 | 374811  | 18.61 | ng | # 72   |
| 22) Acetophenone               | 7.31 | 105 | 535293  | 18.24 | ng | # 97   |
| 24) Nitrobenzene               | 7.48 | 77  | 426122  | 19.15 | ng | # 99   |
| 25) Isophorone                 | 7.72 | 82  | 759000  | 18.09 | ng | # 99   |
| 26) 2-Nitrophenol              | 7.80 | 139 | 189319  | 18.70 | ng | # 93   |
| 27) 2,4-Dimethylphenol         | 7.84 | 122 | 370204  | 18.06 | ng | # 93   |
| 28) bis(2-Chloroethoxy)methane | 7.94 | 93  | 485038  | 18.93 | ng | # 99   |
| 29) 2,4-Dichlorophenol         | 8.04 | 162 | 319072  | 18.69 | ng | # 96   |
| 30) 1,2,4-Trichlorobenzene     | 8.12 | 180 | 323596  | 18.36 | ng | # 97   |
| 31) Naphthalene                | 8.21 | 128 | 1042899 | 18.83 | ng | # 98   |
| 32) Benzoic acid               | 7.92 | 122 | 158348  | 16.70 | ng | # 94   |
| 33) 4-Chloroaniline            | 8.26 | 127 | 234908  | 9.25  | ng | # 88   |
| 34) Hexachlorobutadiene        | 8.33 | 225 | 179913  | 17.76 | ng | # 97   |
| 35) Caprolactam                | 8.60 | 113 | 94991   | 16.51 | ng | # 35   |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 320068  | 16.74 | ng | # 90   |
| 37) 2-Methylnaphthalene        | 8.90 | 142 | 728501  | 18.32 | ng | # 98   |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.07 | 216 | 281771  | 17.68 | ng | # 98   |
| 40) Hexachlorocyclopentadiene  | 9.06 | 237 | 186413  | 19.38 | ng | # 96   |

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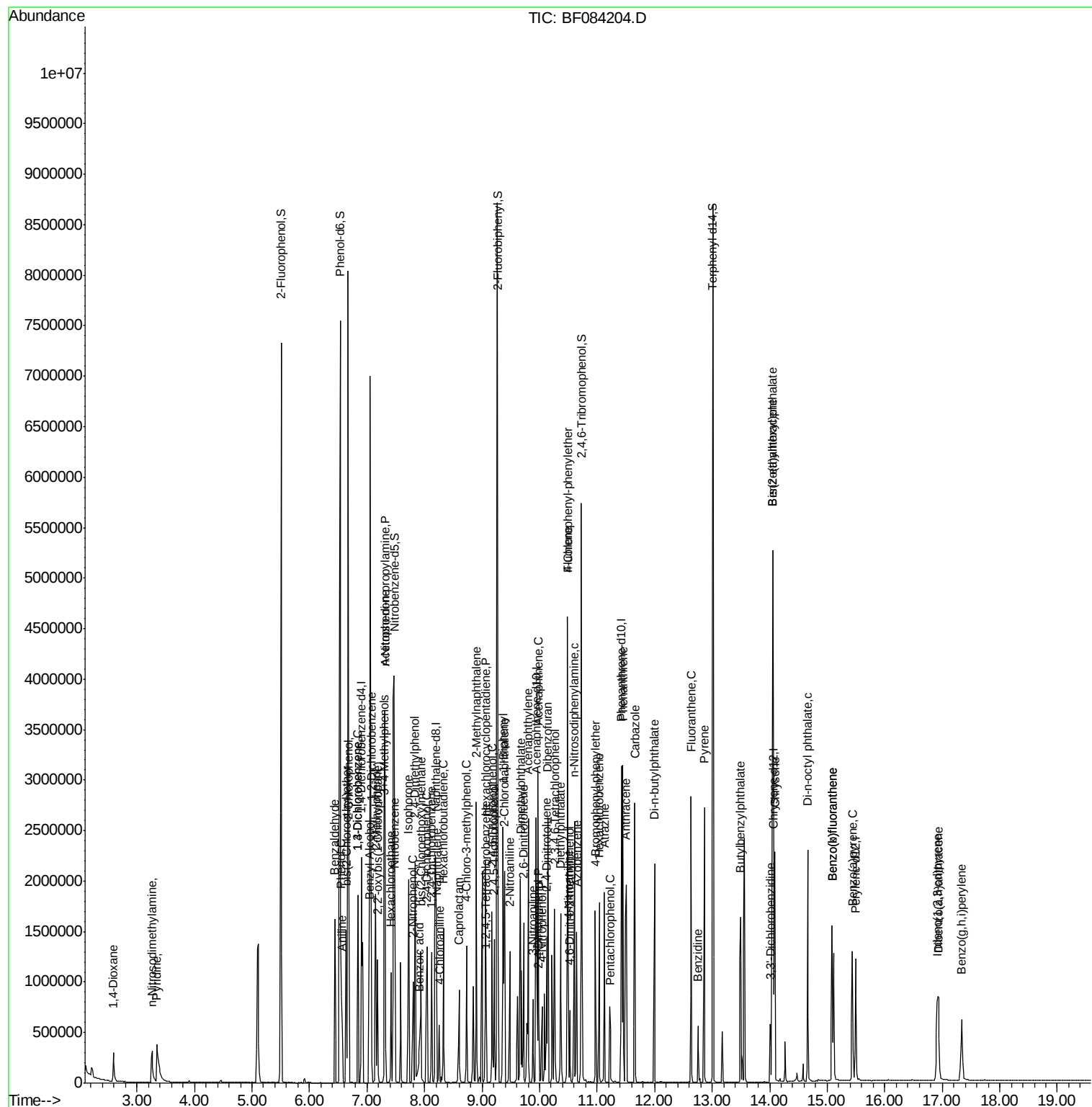
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.17  | 196  | 212221   | 17.80 | ng    | 95       |
| 43) 2,4,5-Trichlorophenol      | 9.21  | 196  | 198162   | 17.34 | ng #  | 79       |
| 45) 1,1'-Biphenyl              | 9.37  | 154  | 892600   | 20.26 | ng    | 95       |
| 46) 2-Chloronaphthalene        | 9.39  | 162  | 683052   | 19.74 | ng #  | 90       |
| 47) 2-Nitroaniline             | 9.48  | 65   | 223141   | 19.54 | ng #  | 79       |
| 48) Acenaphthylene             | 9.80  | 152  | 1050279  | 20.54 | ng    | 98       |
| 49) Dimethylphthalate          | 9.66  | 163  | 802618   | 20.25 | ng #  | 90       |
| 50) 2,6-Dinitrotoluene         | 9.72  | 165  | 166126   | 19.11 | ng #  | 61       |
| 51) Acenaphthene               | 9.97  | 154  | 661996   | 19.30 | ng    | 98       |
| 52) 3-Nitroaniline             | 9.88  | 138  | 127457   | 11.83 | ng    | 93       |
| 53) 2,4-Dinitrophenol          | 9.98  | 184  | 36640    | 13.01 | ng #  | 1        |
| 54) Dibenzofuran               | 10.14 | 168  | 913306   | 18.84 | ng    | 93       |
| 55) 4-Nitrophenol              | 10.04 | 139  | 147380   | 18.85 | ng    | 90       |
| 56) 2,4-Dinitrotoluene         | 10.12 | 165  | 238441   | 21.68 | ng    | 92       |
| 57) Fluorene                   | 10.49 | 166  | 713080   | 19.41 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.26 | 232  | 178961   | 18.34 | ng    | 95       |
| 59) Diethylphthalate           | 10.36 | 149  | 746510   | 19.11 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.49 | 204  | 328659   | 17.92 | ng #  | 88       |
| 61) 4-Nitroaniline             | 10.50 | 138  | 183964   | 19.16 | ng    | 85       |
| 62) Azobenzene                 | 10.65 | 77   | 842098   | 19.65 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 75074    | 15.29 | ng #  | 26       |
| 65) n-Nitrosodiphenylamine     | 10.60 | 169  | 649130   | 19.56 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.97 | 248  | 204432   | 18.30 | ng #  | 62       |
| 67) Hexachlorobenzene          | 11.04 | 284  | 237343   | 18.88 | ng    | 99       |
| 68) Atrazine                   | 11.13 | 200  | 240111   | 22.11 | ng    | 95       |
| 69) Pentachlorophenol          | 11.23 | 266  | 102473   | 15.72 | ng    | 98       |
| 70) Phenanthrene               | 11.45 | 178  | 1052418  | 19.39 | ng    | 97       |
| 71) Anthracene                 | 11.50 | 178  | 1102334  | 20.71 | ng    | 99       |
| 72) Carbazole                  | 11.65 | 167  | 1005955  | 19.34 | ng    | 99       |
| 73) Di-n-butylphthalate        | 12.00 | 149  | 1270983  | 18.93 | ng    | 99       |
| 74) Fluoranthene               | 12.64 | 202  | 1135569  | 20.02 | ng    | 96       |
| 76) Benzidine                  | 12.75 | 184  | 259824   | 8.89  | ng    | 96       |
| 77) Pyrene                     | 12.87 | 202  | 1170400  | 18.31 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.49 | 149  | 495004   | 17.89 | ng #  | 84       |
| 80) Benzo(a)anthracene         | 14.05 | 228  | 865834   | 18.10 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 14.01 | 252  | 139054   | 8.33  | ng #  | 89       |
| 82) Chrysene                   | 14.09 | 228  | 845377   | 18.39 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.05 | 149  | 658201   | 18.83 | ng #  | 96       |
| 84) Di-n-octyl phthalate       | 14.66 | 149  | 1020130  | 17.29 | ng #  | 85       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.91 | 276  | 619954   | 17.01 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 15.08 | 252  | 1355851  | 34.43 | ng #  | 98       |
| 88) Benzo(k)fluoranthene       | 15.08 | 252  | 1355851  | 42.10 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.44 | 252  | 620386   | 18.57 | ng #  | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.93 | 278  | 522923   | 18.19 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.33 | 276  | 513509   | 17.25 | ng    | 97       |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

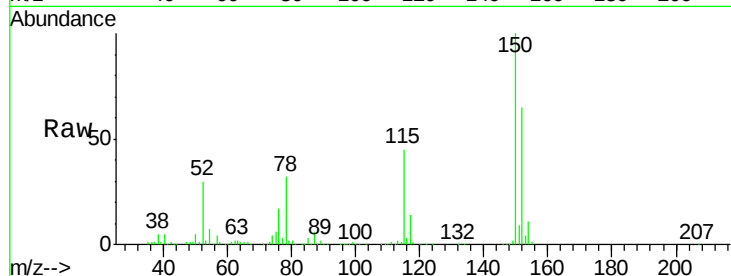
Tgt Ion:152 Resp: 291468

Ion Ratio Lower Upper

152 100

150 153.7 123.0 184.4

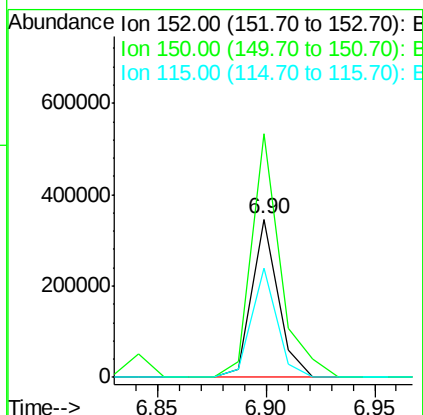
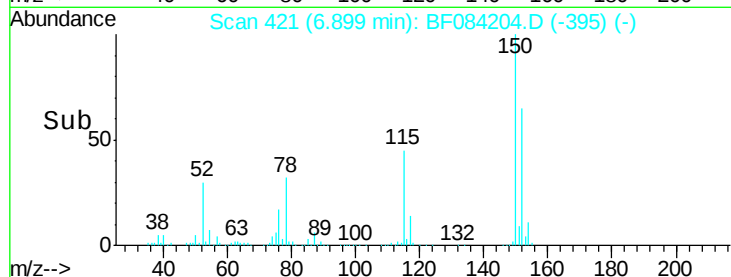
115 68.9 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 15.49 ng

RT: 2.59 min Scan# 44

Delta R.T. 0.06 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

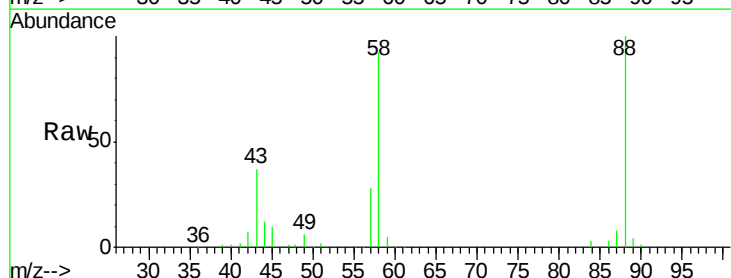
Tgt Ion: 88 Resp: 132270

Ion Ratio Lower Upper

88 100

58 92.5 51.2 76.8#

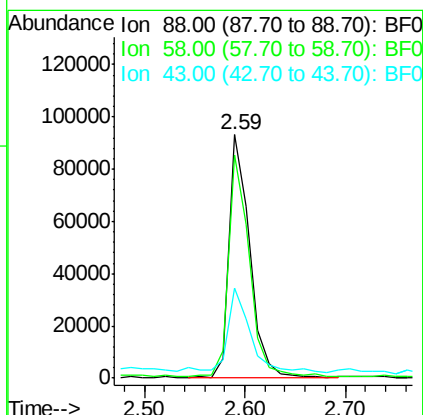
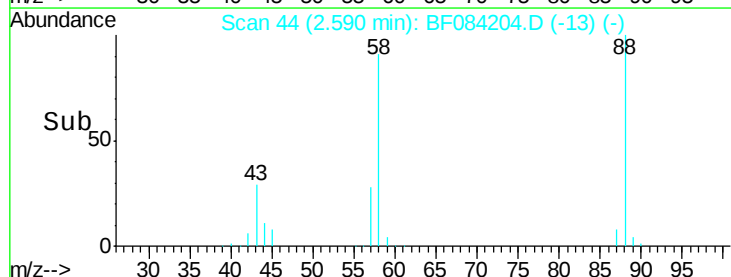
43 39.7 19.5 29.3#

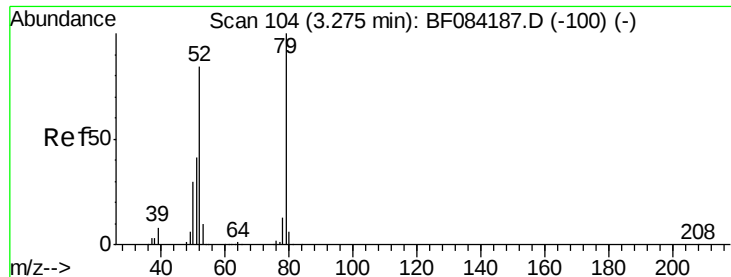


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 15.15 ng

RT: 3.34 min Scan# 110

Delta R.T. 0.07 min

Lab File: BF084204.D

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Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

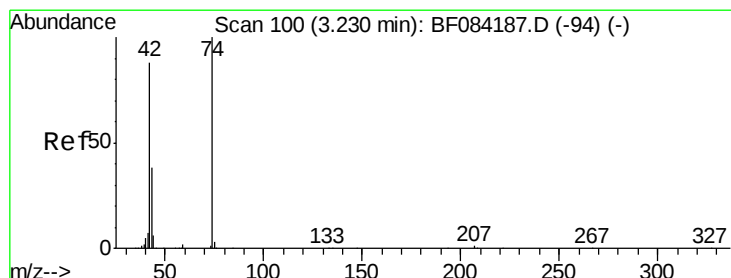
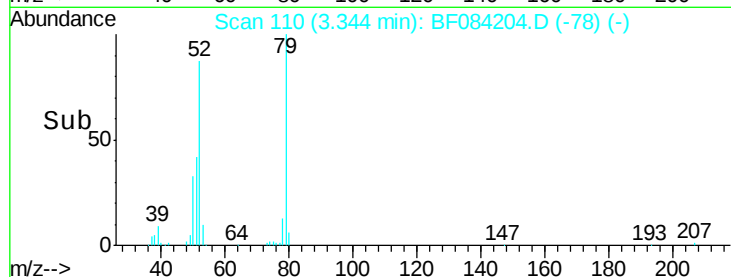
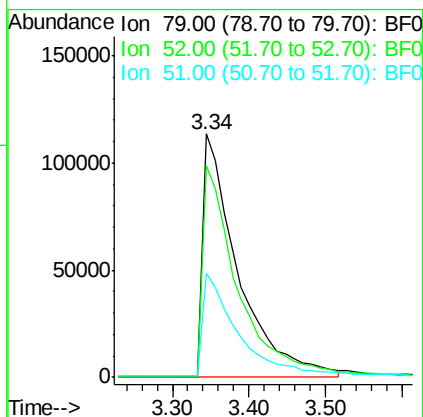
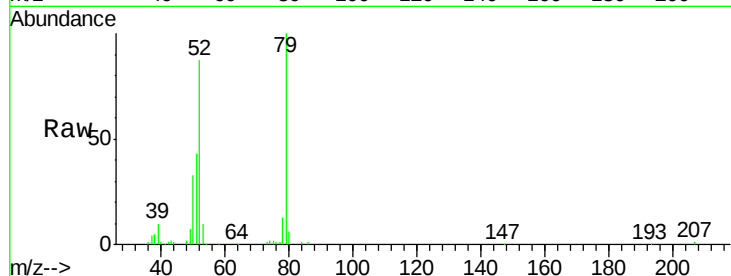
Tgt Ion: 79 Resp: 360552

Ion Ratio Lower Upper

79 100

52 87.1 49.0 73.4#

51 43.0 25.2 37.8#



#4

n-Nitrosodimethylamine

Concen: 16.76 ng

RT: 3.26 min Scan# 103

Delta R.T. 0.03 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

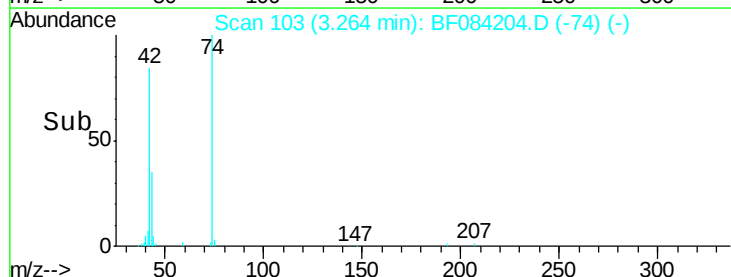
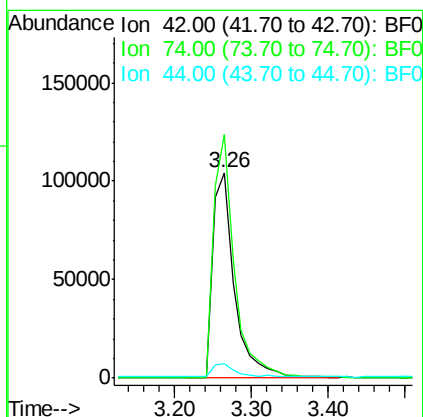
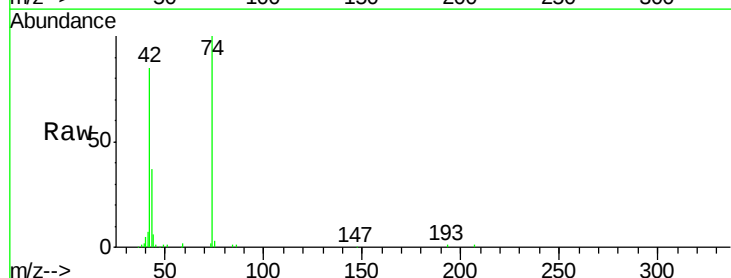
Tgt Ion: 42 Resp: 204692

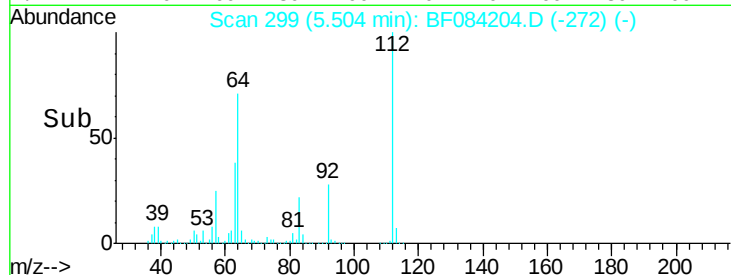
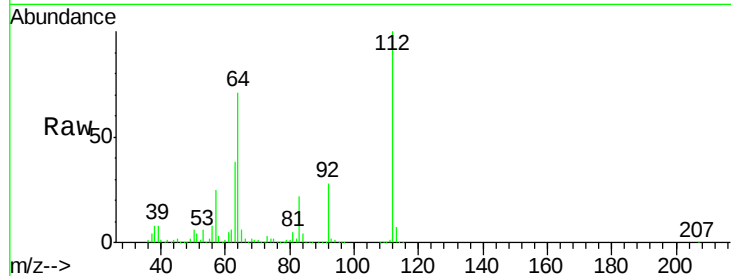
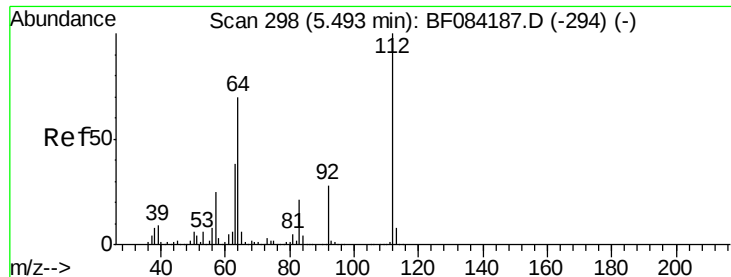
Ion Ratio Lower Upper

42 100

74 118.3 115.7 173.5

44 6.9 5.1 7.7





#5

2-Fluorophenol

Concen: 114.30 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

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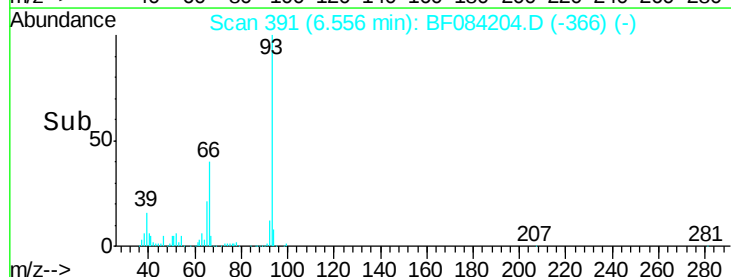
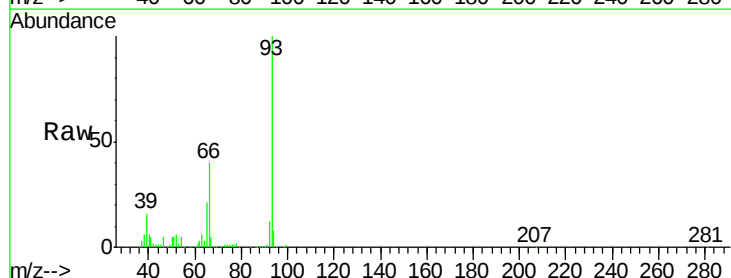
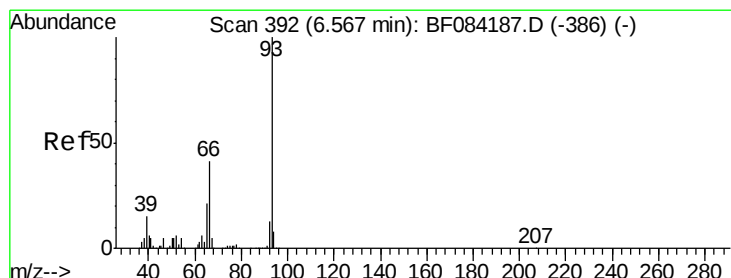
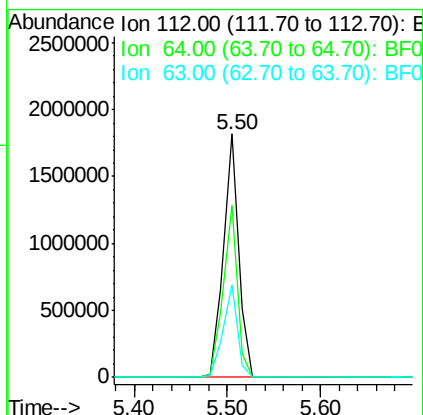
Tgt Ion:112 Resp: 2059696

Ion Ratio Lower Upper

112 100

64 70.5 36.6 55.0#

63 38.2 19.4 29.0#



#6

Aniline

Concen: 11.62 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

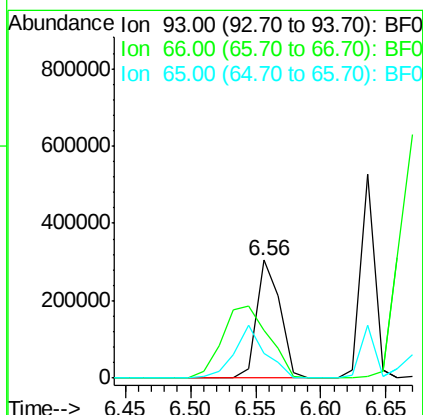
Tgt Ion: 93 Resp: 384843

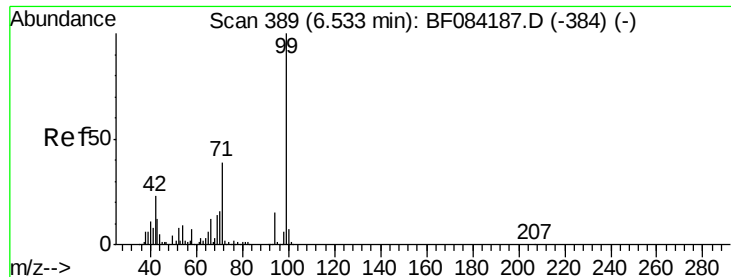
Ion Ratio Lower Upper

93 100

66 40.3 44.9 67.3#

65 21.1 23.7 35.5#





#7

Phenol-d6

Concen: 129.62 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

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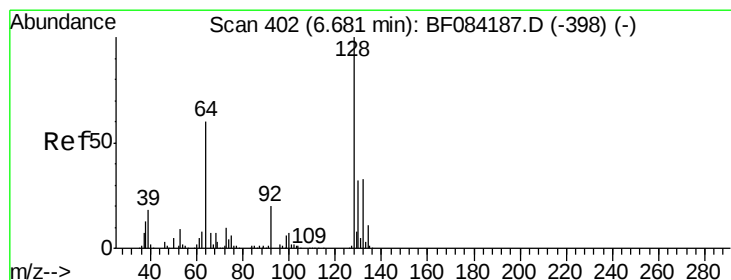
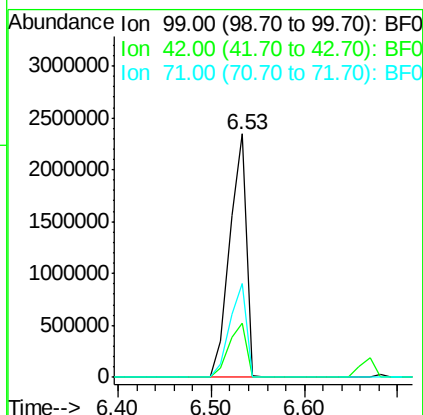
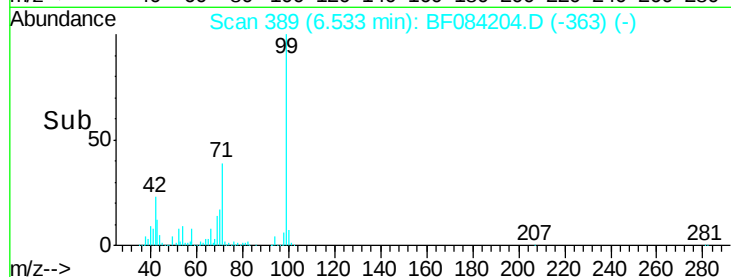
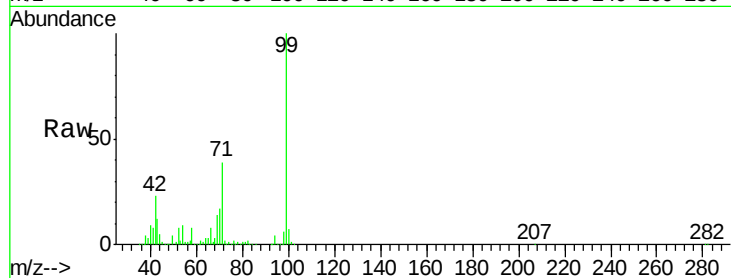
Tgt Ion: 99 Resp: 2933576

Ion Ratio Lower Upper

99 100

42 22.5 12.8 19.2#

71 38.7 30.9 46.3



#8

2-Chlorophenol

Concen: 18.64 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

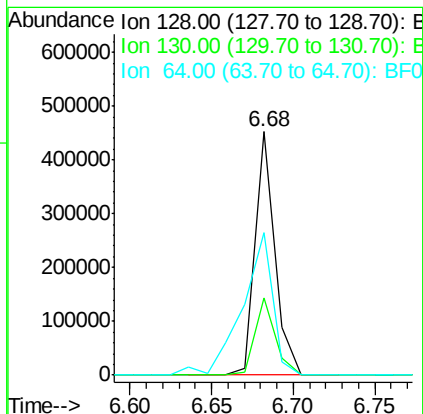
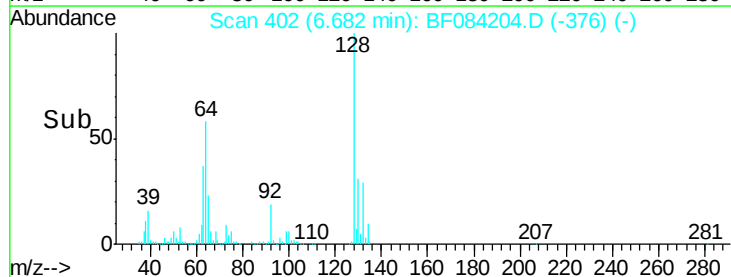
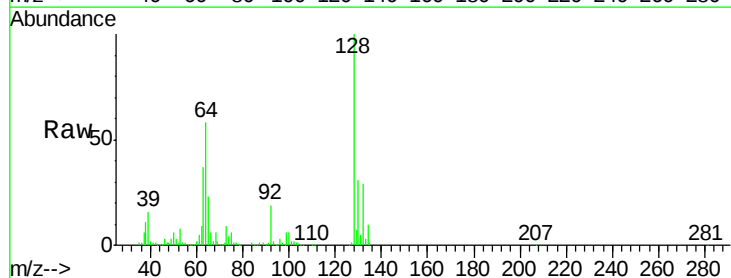
Tgt Ion: 128 Resp: 381128

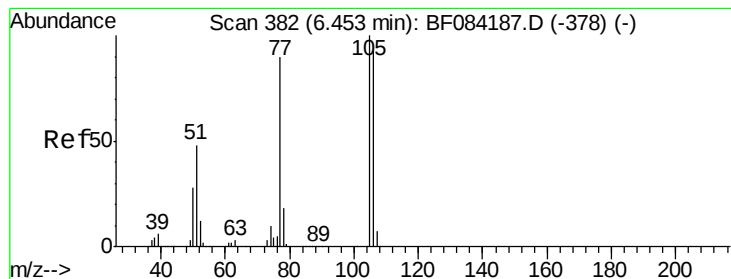
Ion Ratio Lower Upper

128 100

130 31.5 11.6 51.6

64 58.3 23.8 63.8





#9

Benzaldehyde

Concen: 20.21 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

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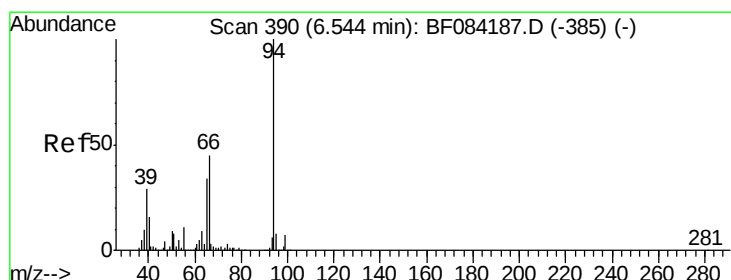
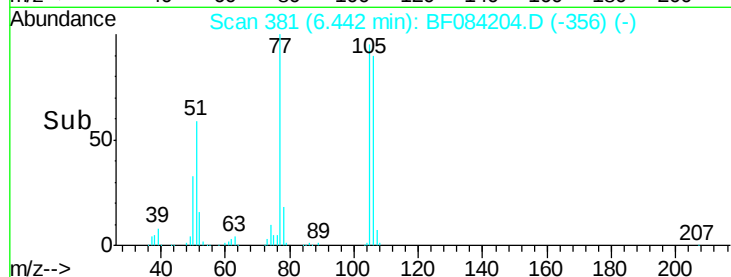
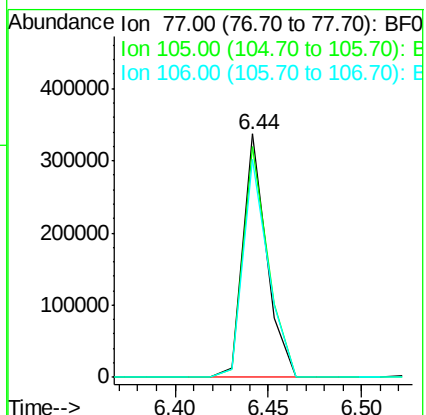
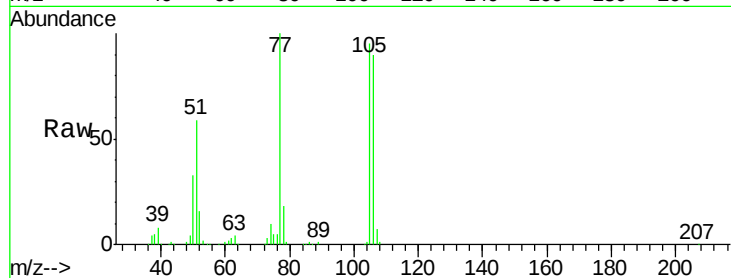
Tgt Ion: 77 Resp: 297864

Ion Ratio Lower Upper

77 100

105 94.8 83.0 123.0

106 89.8 74.6 114.6



#10

Phenol

Concen: 18.54 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

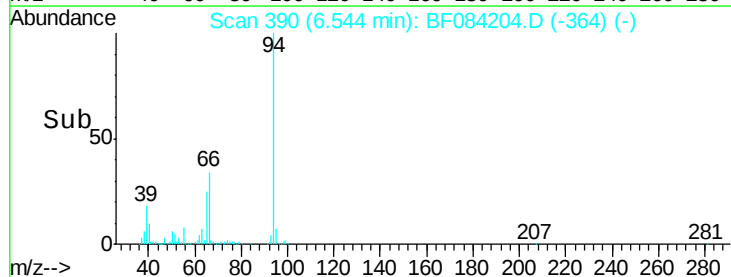
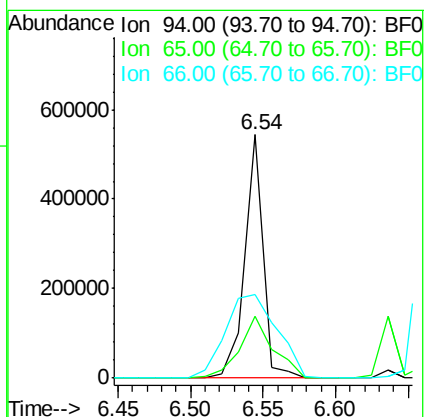
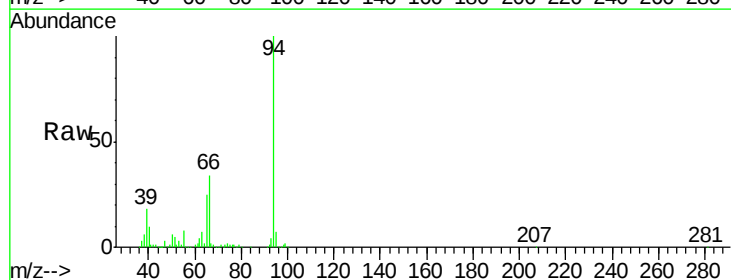
Tgt Ion: 94 Resp: 477138

Ion Ratio Lower Upper

94 100

65 25.3 12.9 52.9

66 34.1 32.7 72.7





#11

bis(2-Chloroethyl)ether

Concen: 19.72 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

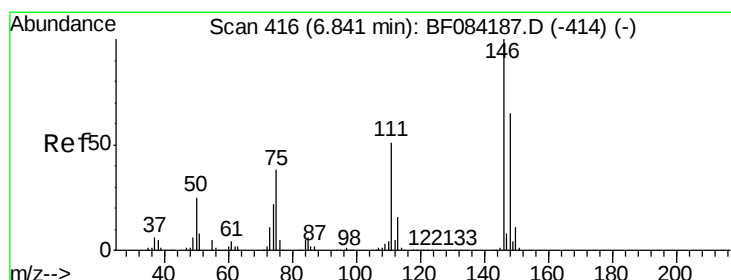
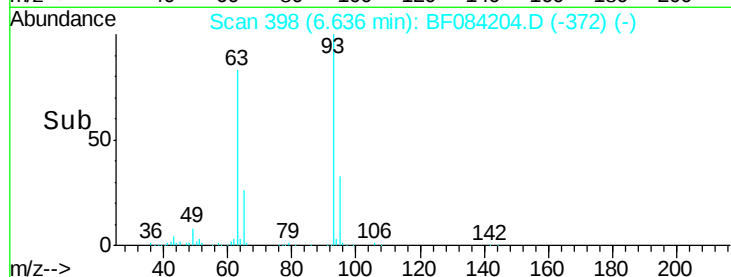
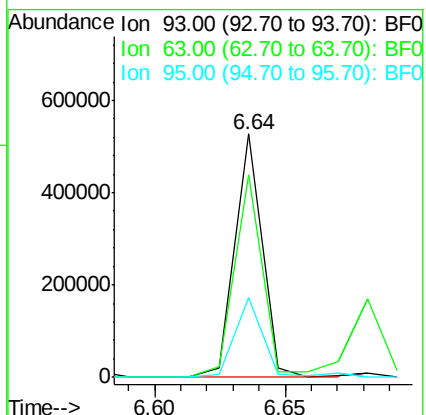
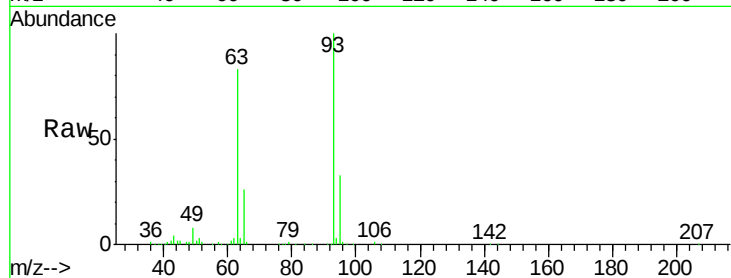
Tgt Ion: 93 Resp: 393077

Ion Ratio Lower Upper

93 100

63 83.0 45.9 85.9

95 32.8 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 19.05 ng

RT: 6.84 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

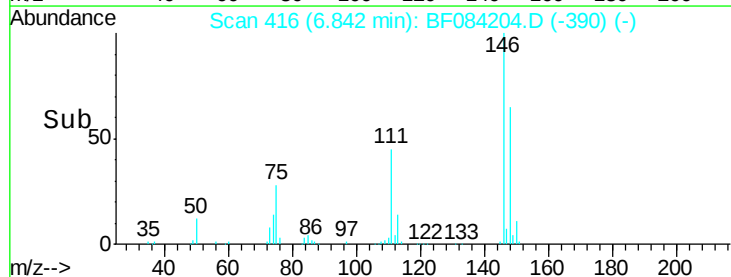
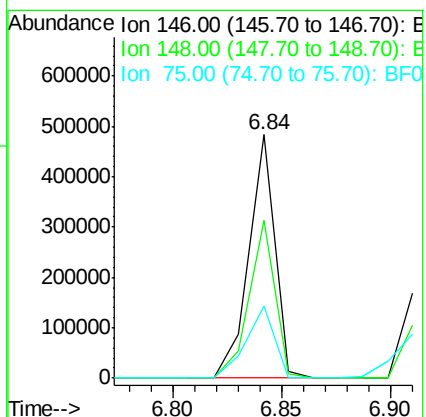
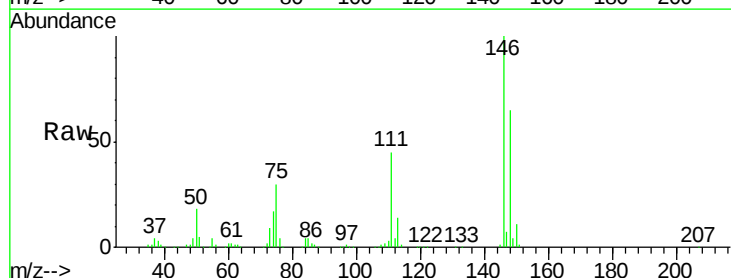
Tgt Ion: 146 Resp: 401730

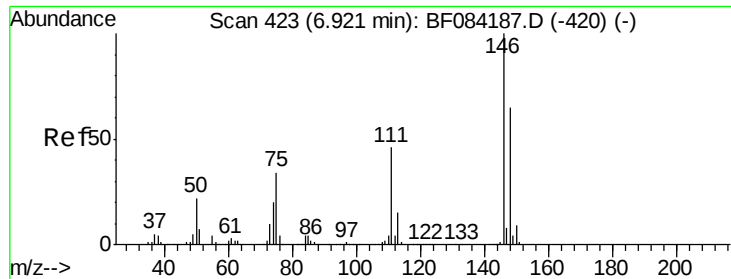
Ion Ratio Lower Upper

146 100

148 65.0 51.9 77.9

75 29.5 20.5 30.7





#13

1,4-Dichlorobenzene

Concen: 19.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.08 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

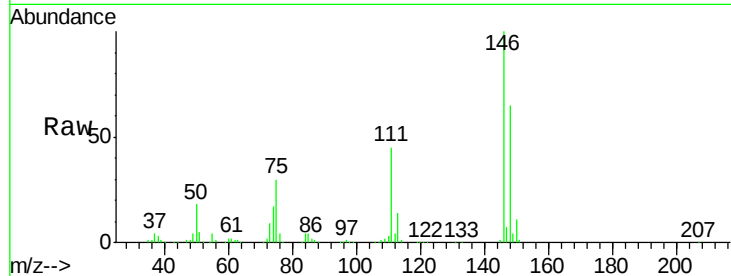
Tgt Ion:146 Resp: 401730

Ion Ratio Lower Upper

146 100

148 65.0 51.9 77.9

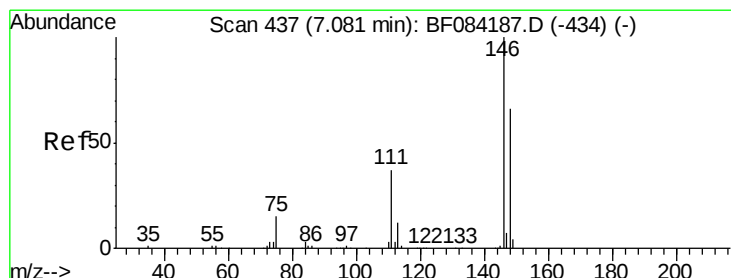
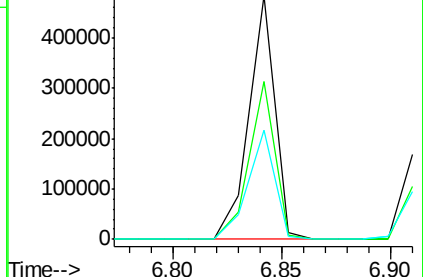
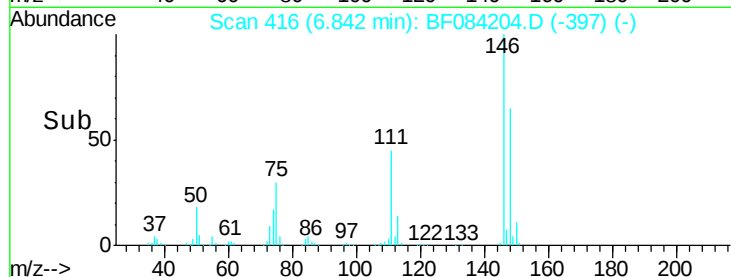
111 44.8 41.6 62.4



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: 18.29 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

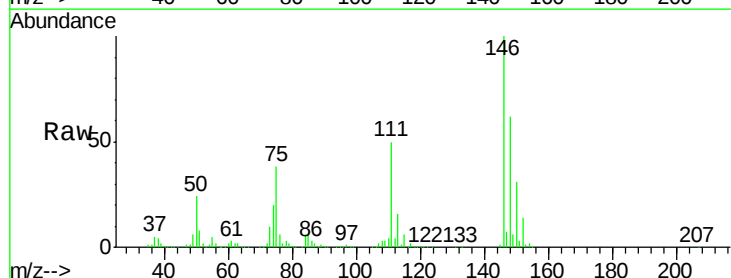
Tgt Ion:146 Resp: 370465

Ion Ratio Lower Upper

146 100

148 61.8 51.6 77.4

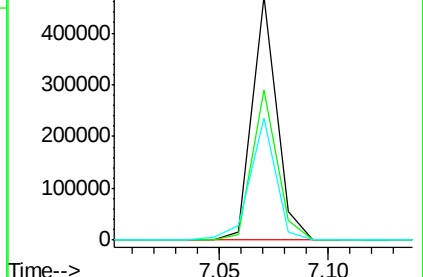
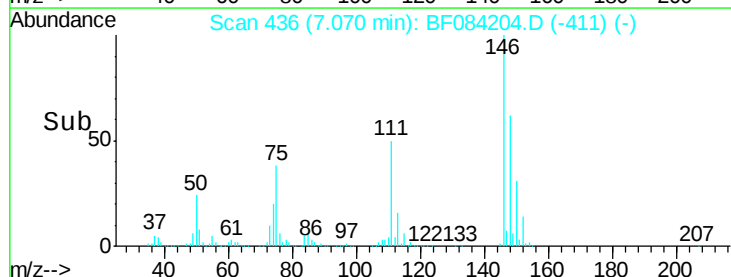
111 50.0 38.0 57.0

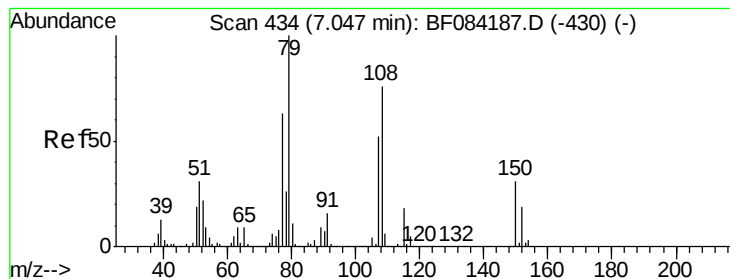


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 18.30 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

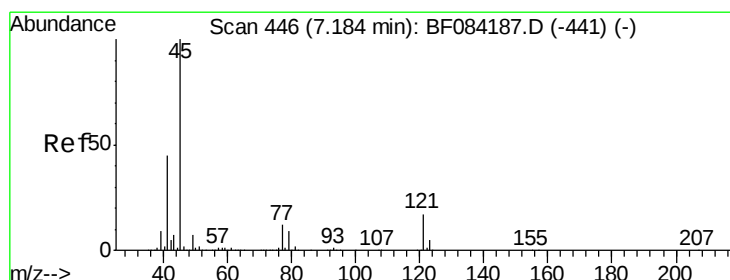
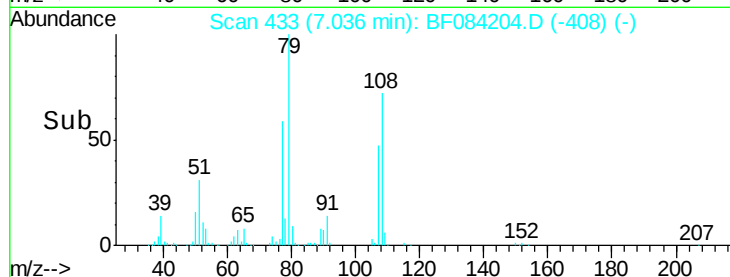
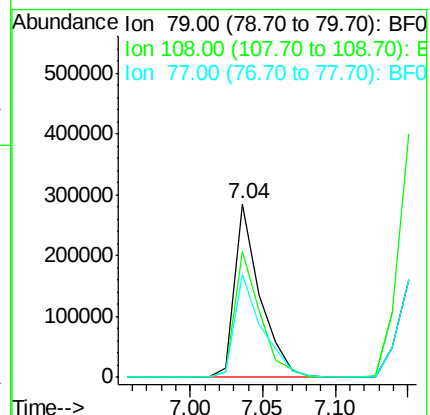
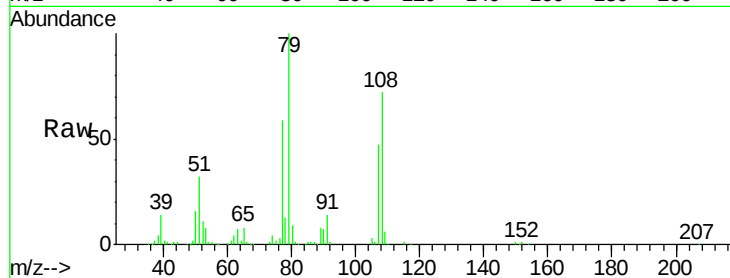
Tgt Ion: 79 Resp: 348437

Ion Ratio Lower Upper

79 100

108 72.5 69.0 103.4

77 59.4 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 18.24 ng

RT: 7.18 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

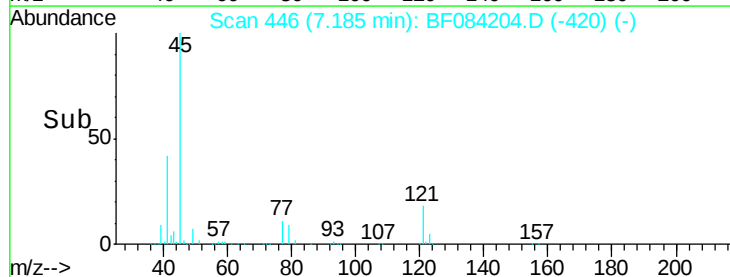
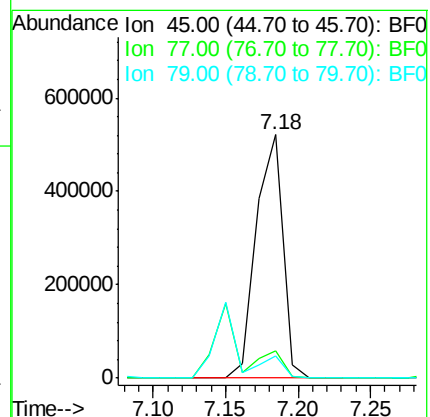
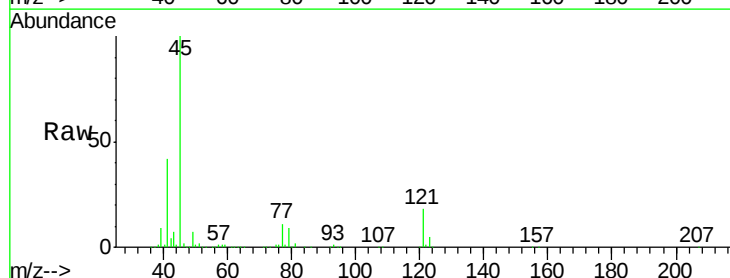
Tgt Ion: 45 Resp: 662214

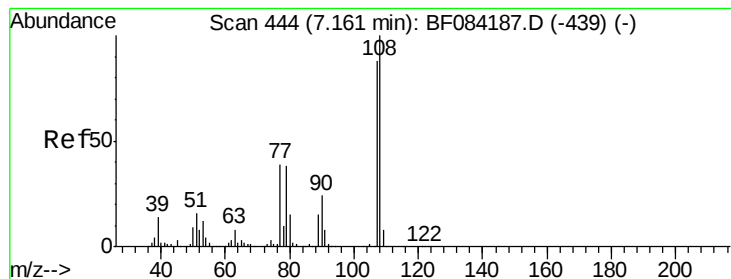
Ion Ratio Lower Upper

45 100

77 11.4 0.0 39.6

79 9.3 0.0 35.0





#17

2-Methylphenol

Concen: 18.31 ng

RT: 7.15 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

Tgt Ion:107 Resp: 313809

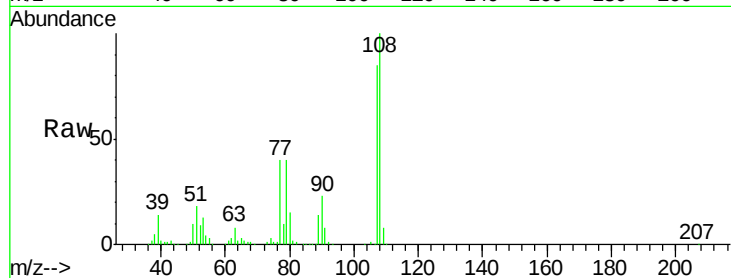
Ion Ratio Lower Upper

107 100

108 117.5 89.8 134.6

77 47.2 35.7 53.5

79 47.4 35.7 53.5

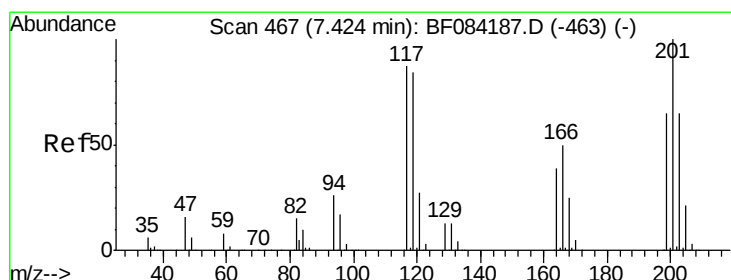
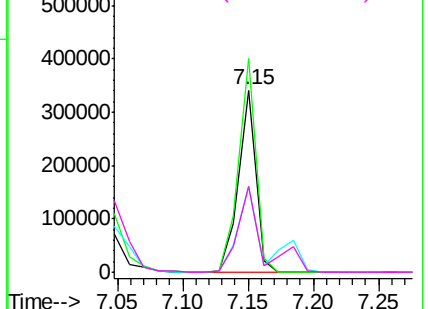
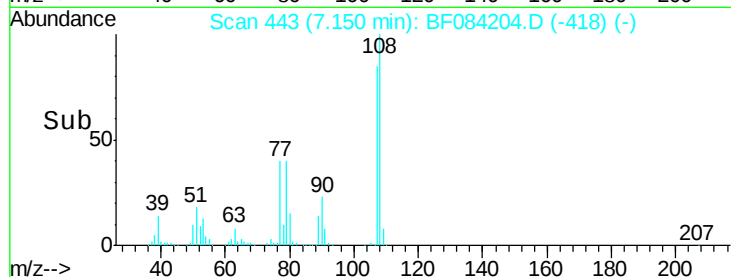


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 17.35 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

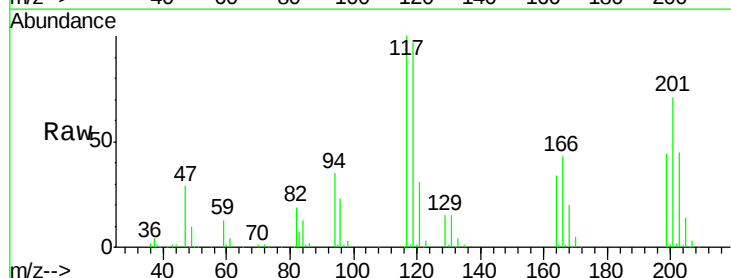
Tgt Ion:117 Resp: 146751

Ion Ratio Lower Upper

117 100

119 97.2 77.4 116.0

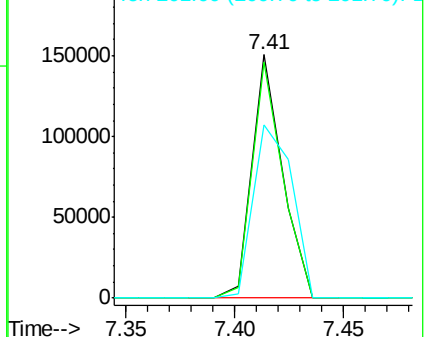
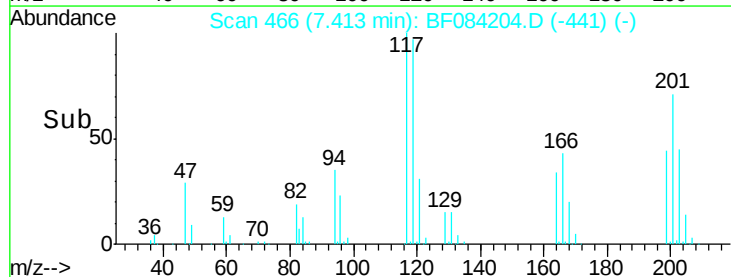
201 71.1 68.6 103.0

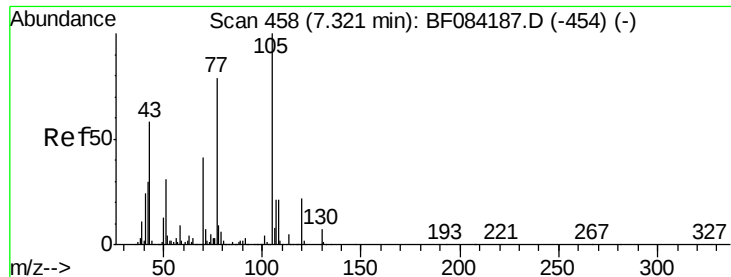


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

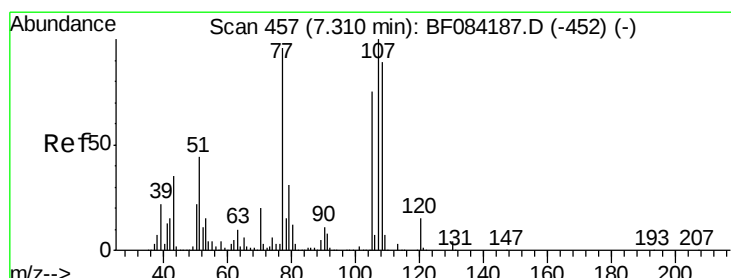
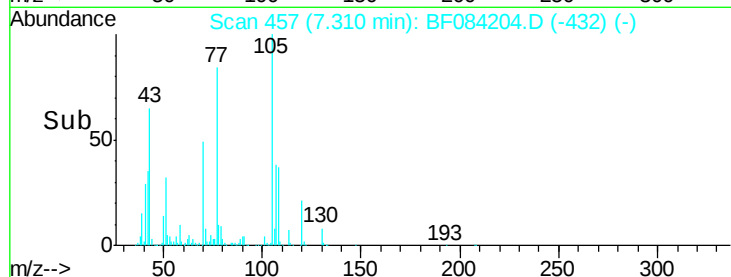
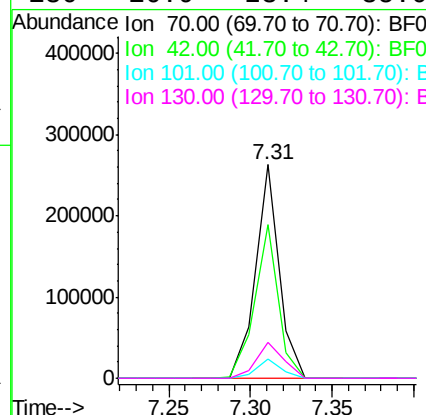
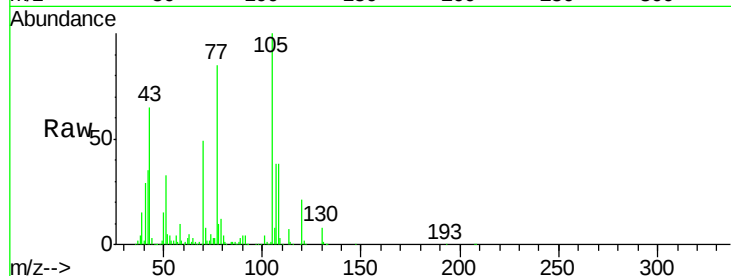




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.27 ng  
RT: 7.31 min Scan# 457  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

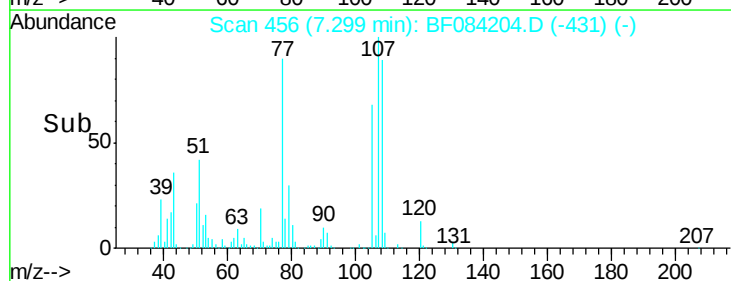
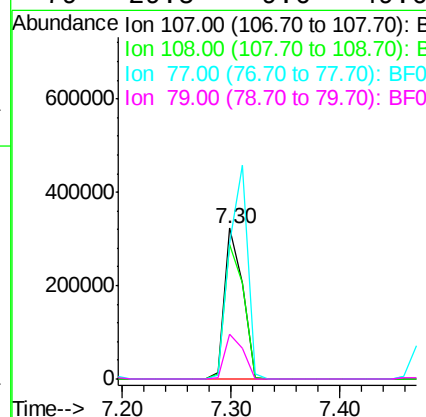
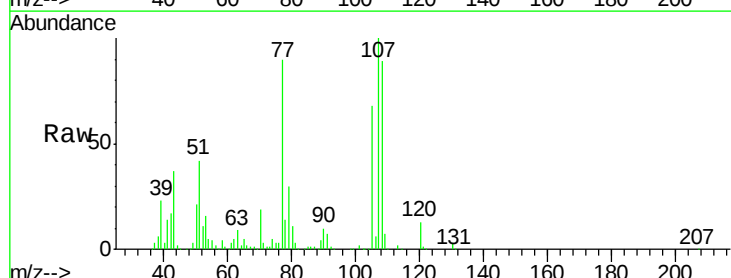
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 72.0  | 33.3  | 49.9# |
| 101     | 8.9   | 9.3   | 13.9# |
| 130     | 16.9  | 23.4  | 35.0# |



#20  
3+4-Methylphenols  
Concen: 18.61 ng  
RT: 7.30 min Scan# 456  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 88.9  | 64.1  | 104.1  |
| 77      | 90.2  | 128.9 | 168.9# |
| 79      | 29.5  | 9.6   | 49.6   |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

Tgt Ion:136 Resp: 1220716

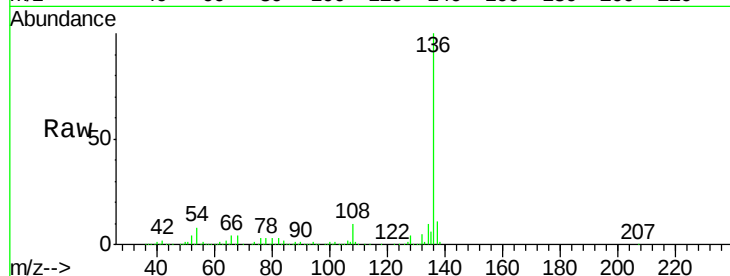
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 7.5 5.8 8.8

68 4.3 4.2 6.2

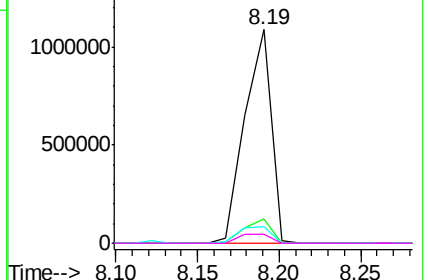
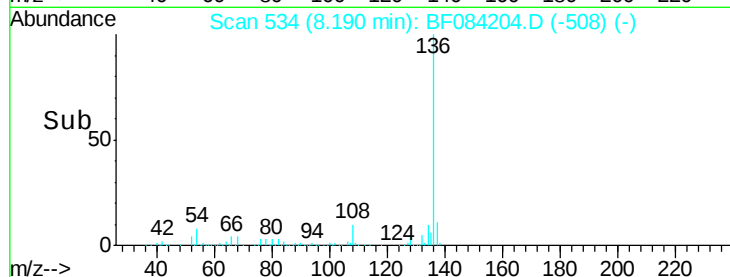


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 18.24 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Tgt Ion:105 Resp: 535293

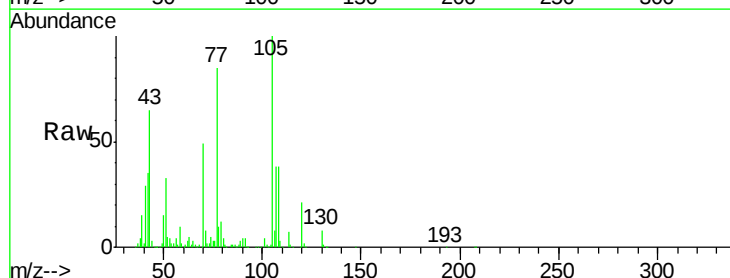
Ion Ratio Lower Upper

105 100

71 8.1 3.7 5.5#

51 33.3 25.1 37.7

120 20.6 16.6 25.0

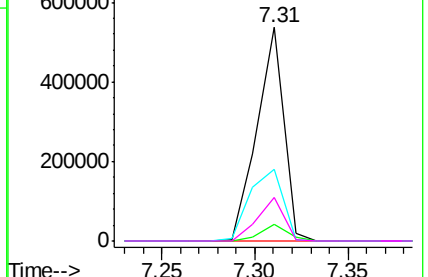
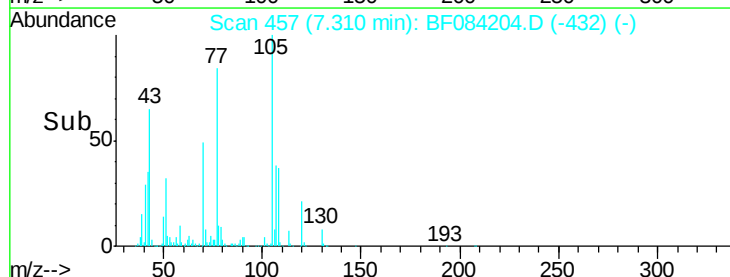


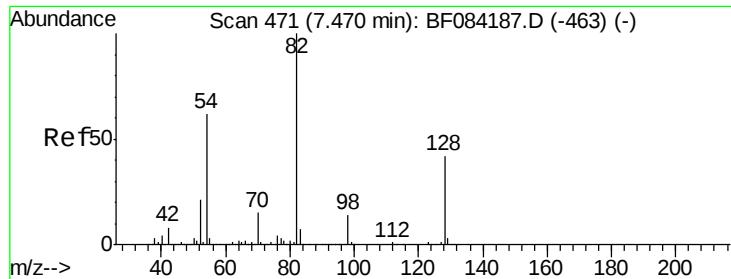
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

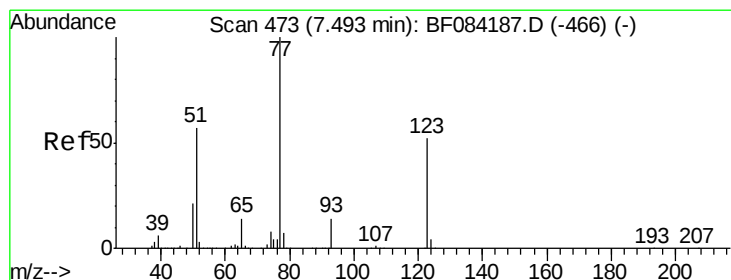
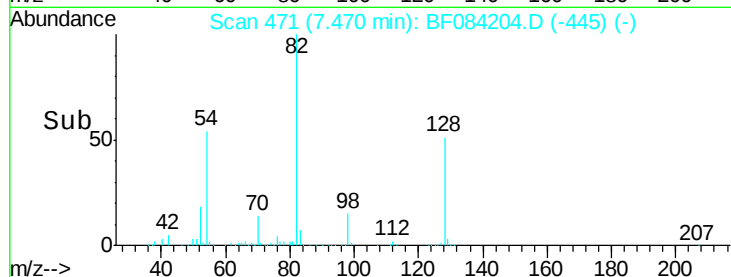
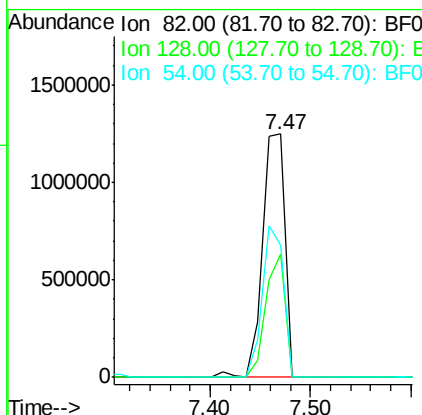
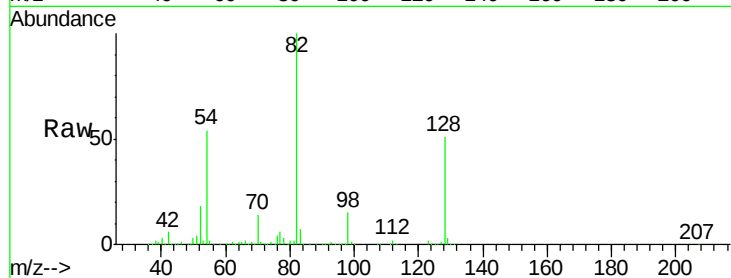




#23  
 Nitrobenzene-d5  
 Concen: 88.01 ng  
 RT: 7.47 min Scan# 471  
 Delta R.T. 0.00 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

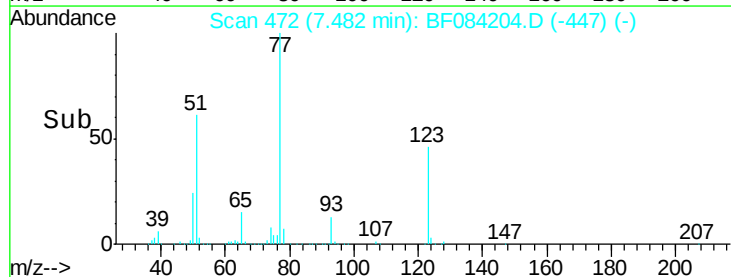
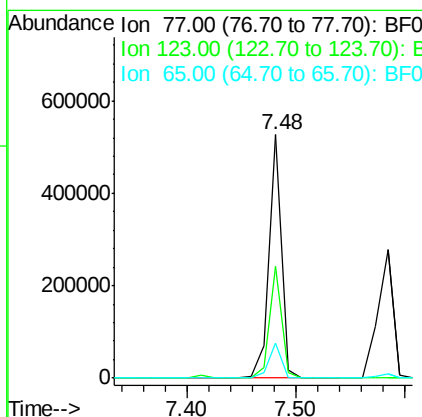
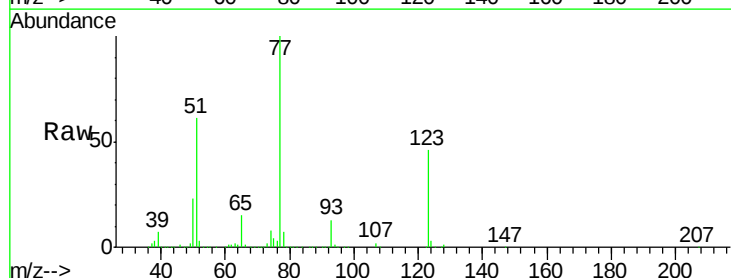
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER2016-02

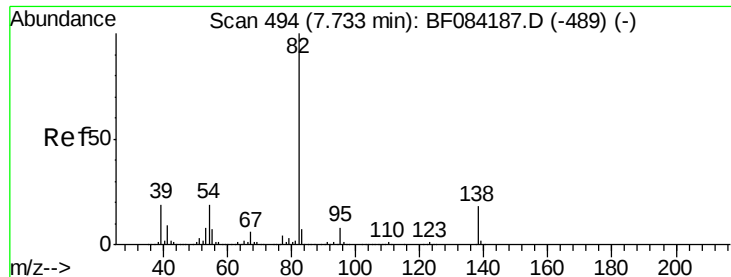
Tgt Ion: 82 Resp: 1930332  
 Ion Ratio Lower Upper  
 82 100  
 128 50.5 34.6 51.8  
 54 54.4 38.4 57.6



#24  
 Nitrobenzene  
 Concen: 19.15 ng  
 RT: 7.48 min Scan# 472  
 Delta R.T. -0.01 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Tgt Ion: 77 Resp: 426122  
 Ion Ratio Lower Upper  
 77 100  
 123 46.1 37.4 56.2  
 65 14.6 10.9 16.3





#25

Isophorone

Concen: 18.09 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

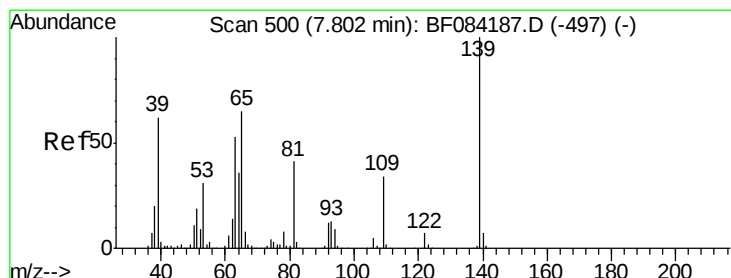
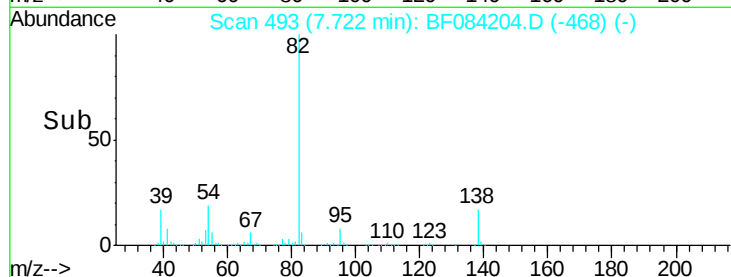
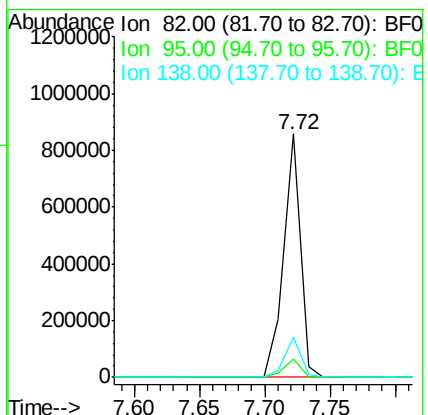
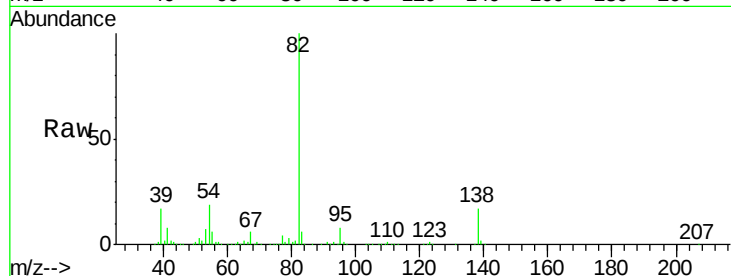
Tgt Ion: 82 Resp: 759000

Ion Ratio Lower Upper

82 100

95 7.7 6.6 10.0

138 16.7 13.6 20.4



#26

2-Nitrophenol

Concen: 18.70 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

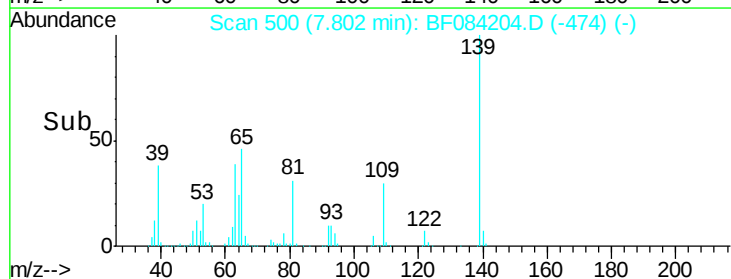
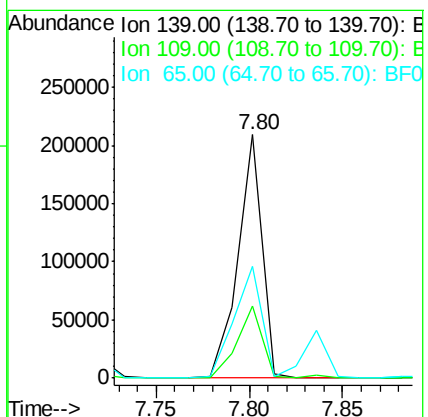
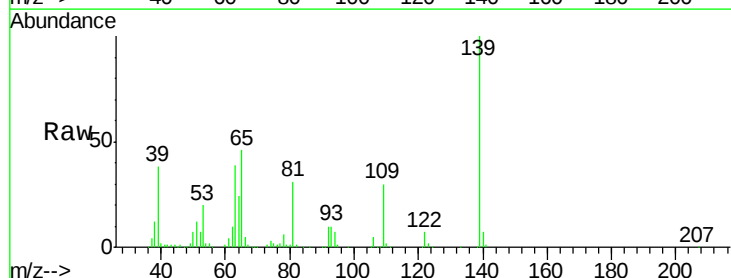
Tgt Ion: 139 Resp: 189319

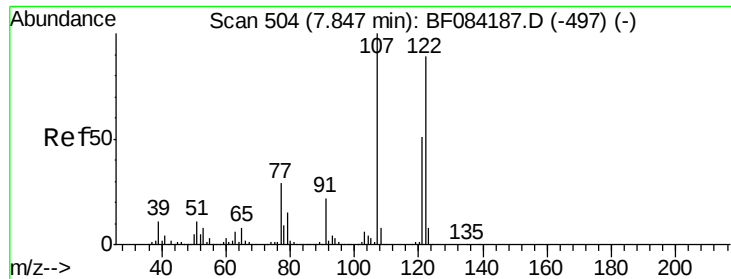
Ion Ratio Lower Upper

139 100

109 29.7 25.4 38.2

65 46.1 32.3 48.5

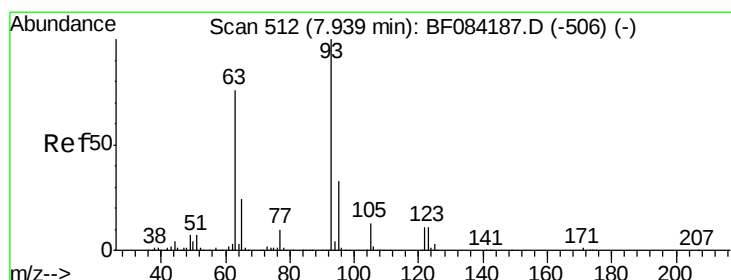
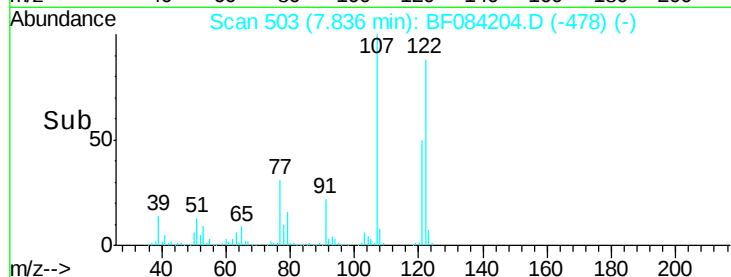
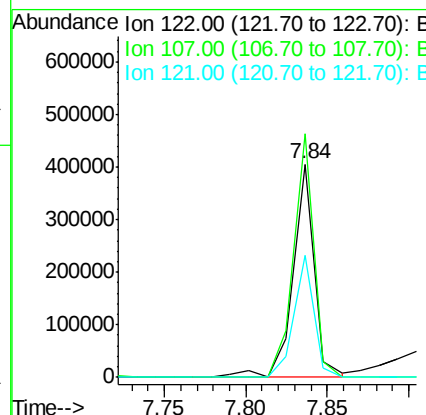
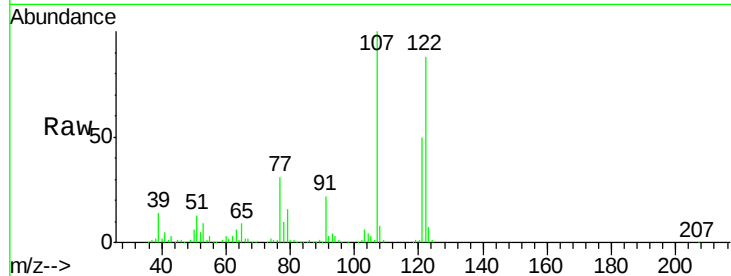




#27  
2,4-Dimethylphenol  
Concen: 18.06 ng  
RT: 7.84 min Scan# 503  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

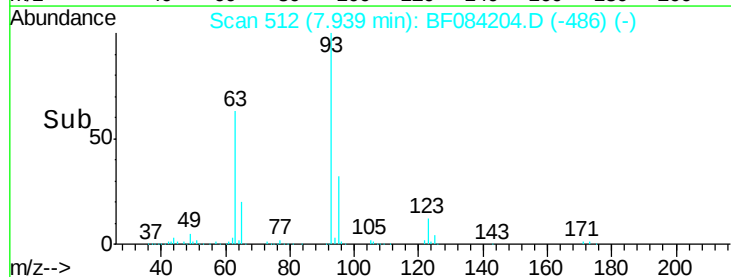
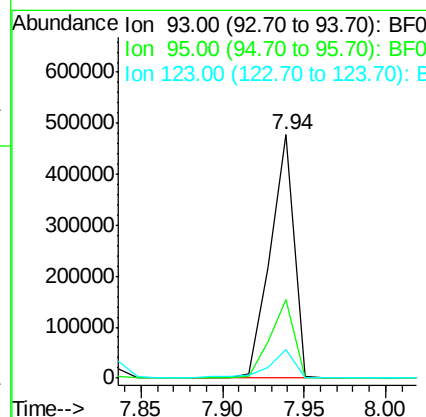
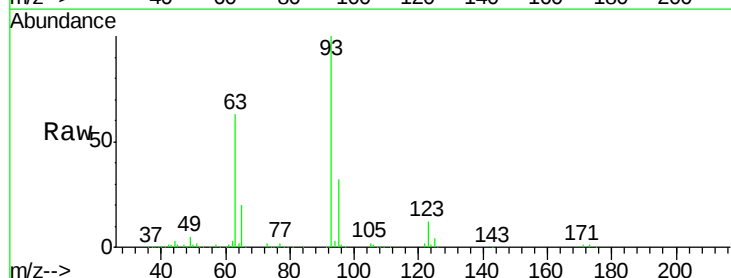
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

Tgt Ion:122 Resp: 370204  
Ion Ratio Lower Upper  
122 100  
107 114.0 99.1 148.7  
121 57.0 47.9 71.9



#28  
bis(2-Chloroethoxy)methane  
Concen: 18.93 ng  
RT: 7.94 min Scan# 512  
Delta R.T. 0.00 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion: 93 Resp: 485038  
Ion Ratio Lower Upper  
93 100  
95 32.4 25.8 38.6  
123 11.5 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 18.69 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

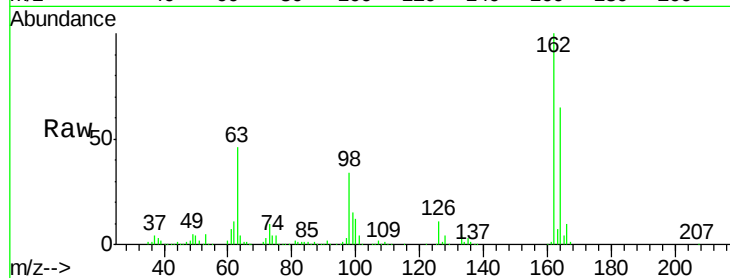
Tgt Ion:162 Resp: 319072

Ion Ratio Lower Upper

162 100

164 65.1 44.1 84.1

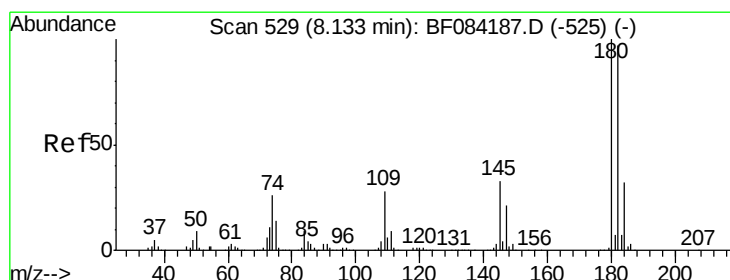
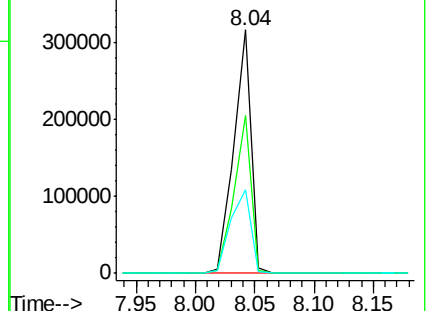
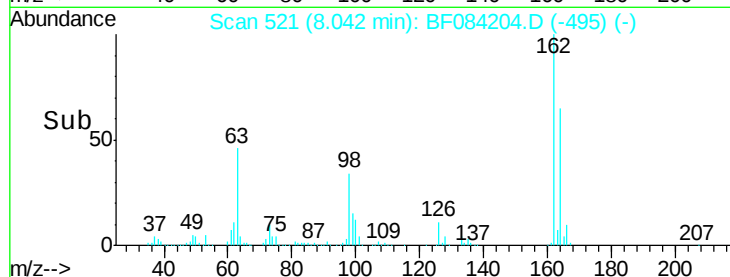
98 34.5 20.2 60.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): E



#30

1,2,4-Trichlorobenzene

Concen: 18.36 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

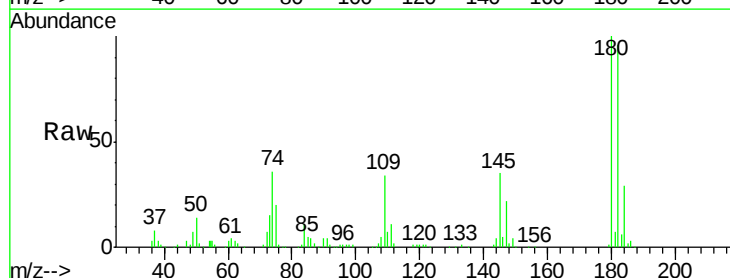
Tgt Ion:180 Resp: 323596

Ion Ratio Lower Upper

180 100

182 96.2 76.4 114.6

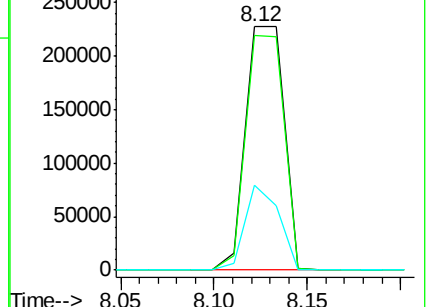
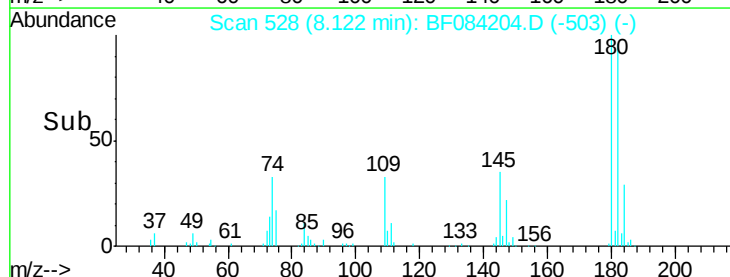
145 35.0 31.6 47.4

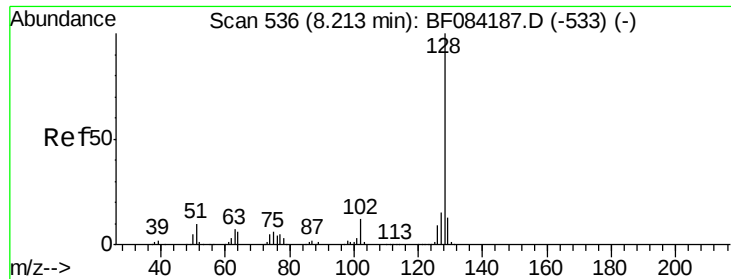


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

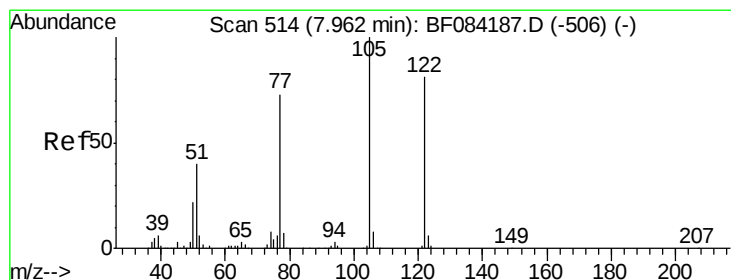
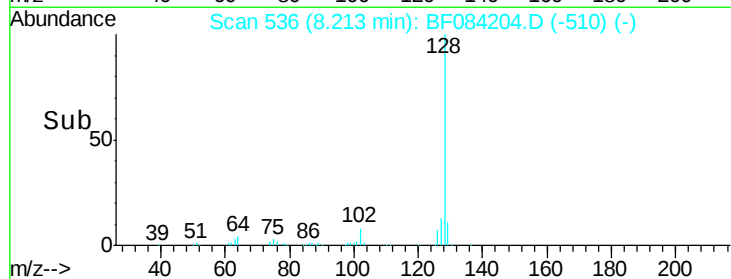
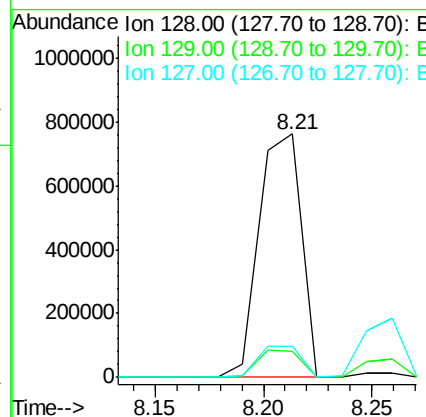
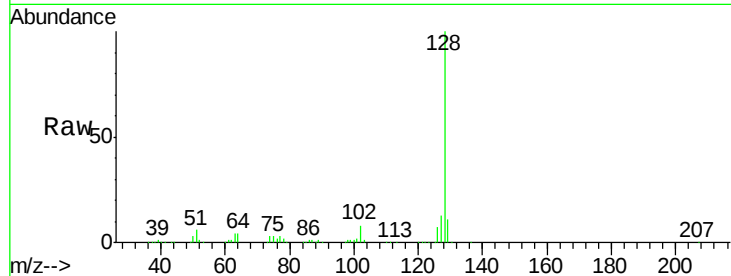




#31  
Naphthalene  
Concen: 18.83 ng  
RT: 8.21 min Scan# 536  
Delta R.T. 0.00 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

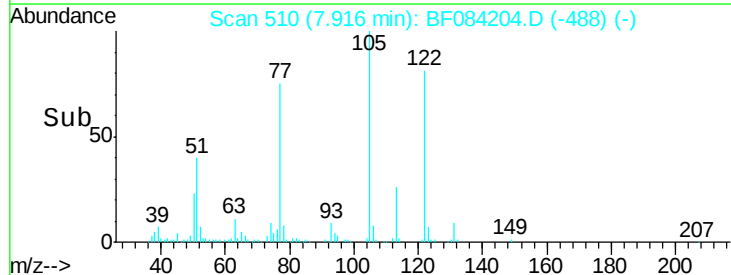
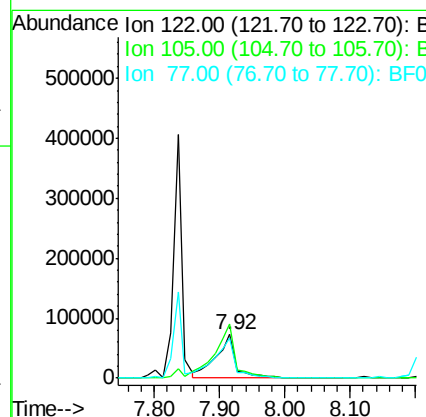
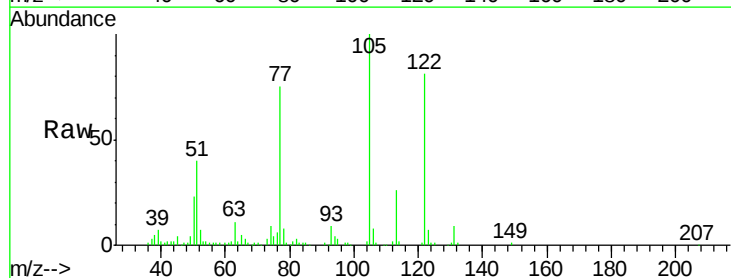
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

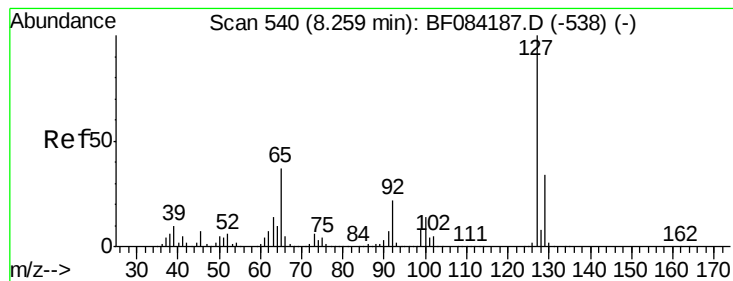
Tgt Ion:128 Resp: 1042899  
Ion Ratio Lower Upper  
128 100  
129 10.7 9.1 13.7  
127 12.8 11.1 16.7



#32  
Benzoic acid  
Concen: 16.70 ng  
RT: 7.92 min Scan# 510  
Delta R.T. -0.04 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion:122 Resp: 158348  
Ion Ratio Lower Upper  
122 100  
105 123.9 100.3 140.3  
77 93.2 63.5 103.5





#33

4-Chloroaniline

Concen: 9.25 ng

RT: 8.26 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

Tgt Ion:127 Resp: 234908

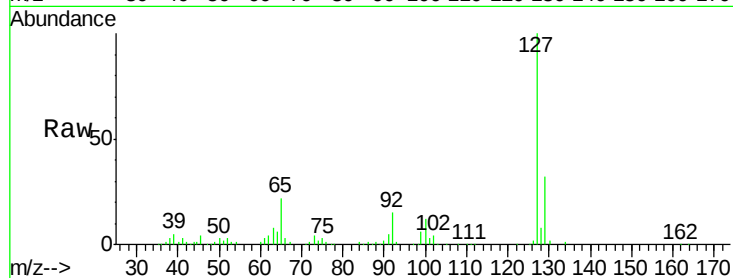
Ion Ratio Lower Upper

127 100

129 32.1 26.5 39.7

65 22.1 27.2 40.8#

92 15.1 17.7 26.5#

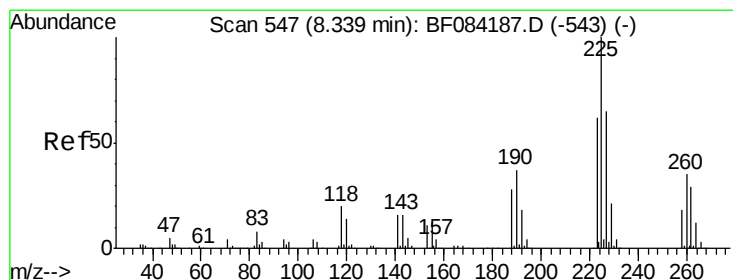
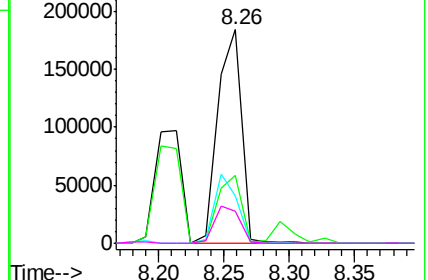
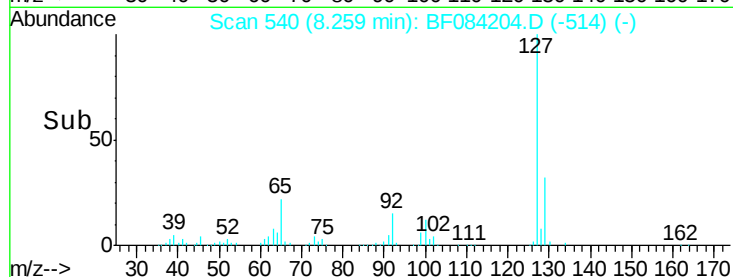


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 17.76 ng

RT: 8.33 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

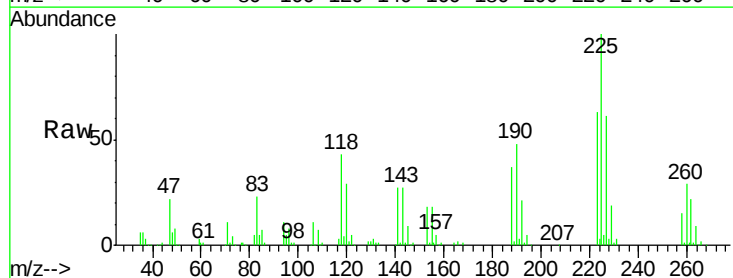
Tgt Ion:225 Resp: 179913

Ion Ratio Lower Upper

225 100

223 63.4 49.4 74.0

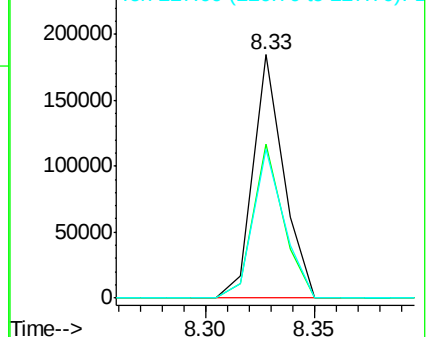
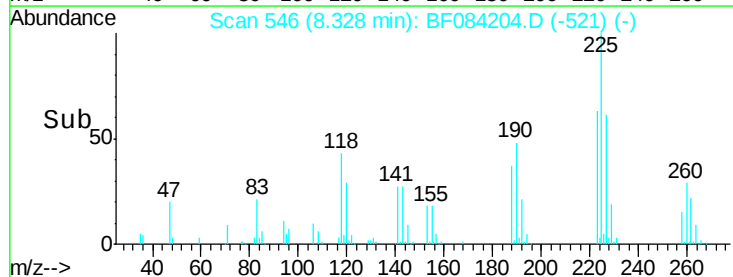
227 61.1 50.8 76.2

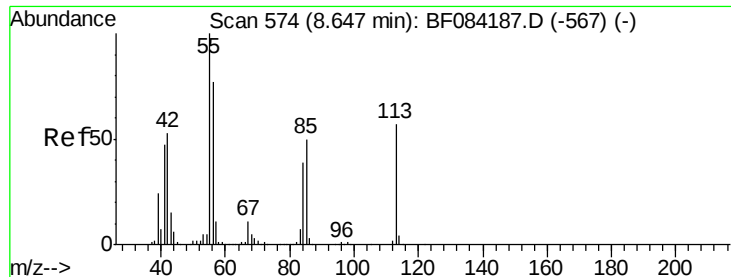


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 16.51 ng

RT: 8.60 min Scan# 570

Delta R.T. -0.05 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

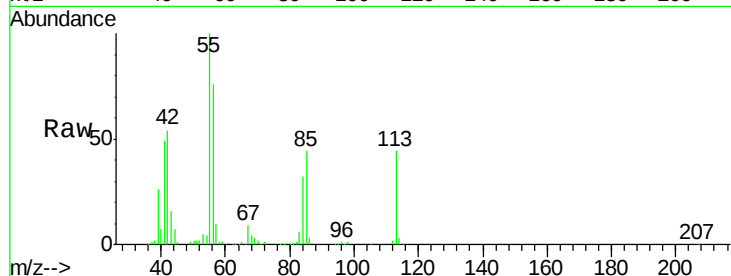
Tgt Ion:113 Resp: 94991

Ion Ratio Lower Upper

113 100

55 226.7 116.9 156.9#

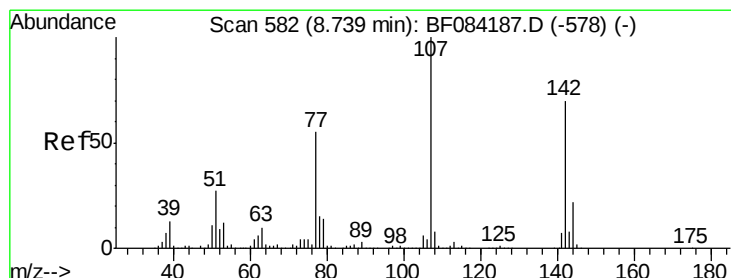
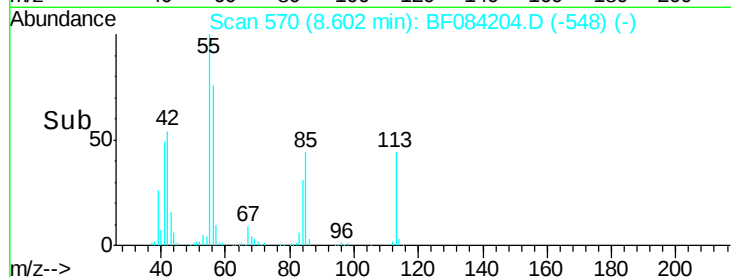
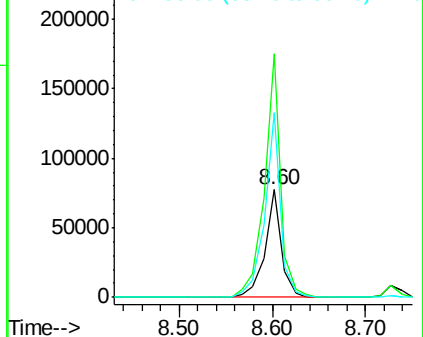
56 171.6 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 16.74 ng

RT: 8.73 min Scan# 581

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

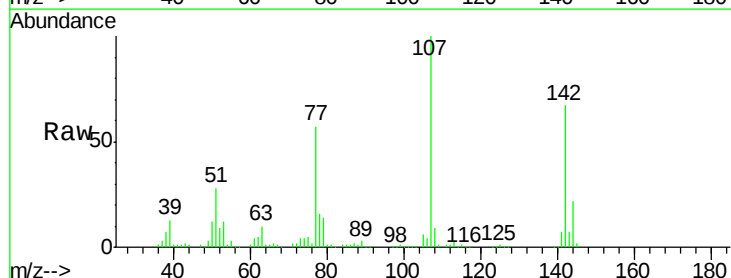
Tgt Ion:107 Resp: 320068

Ion Ratio Lower Upper

107 100

144 22.0 19.7 29.5

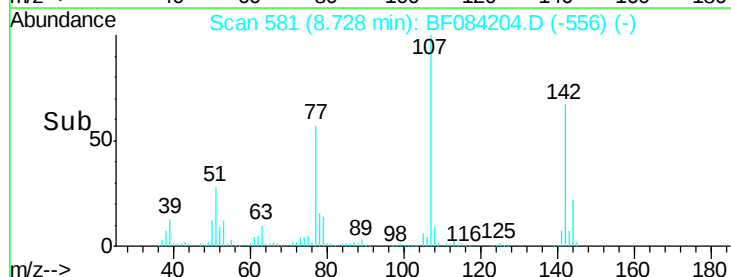
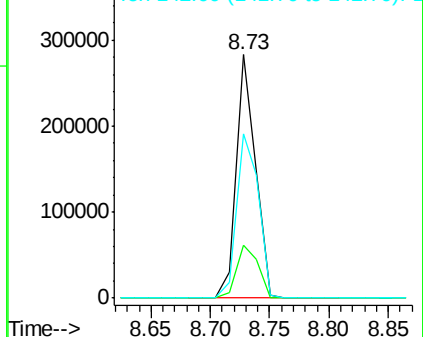
142 67.3 61.8 92.6

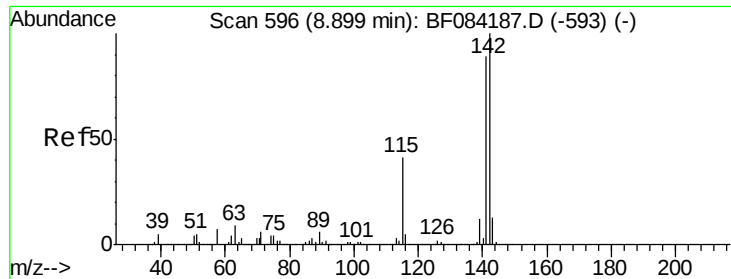


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

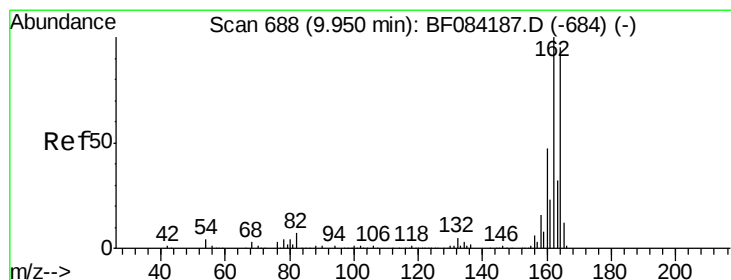
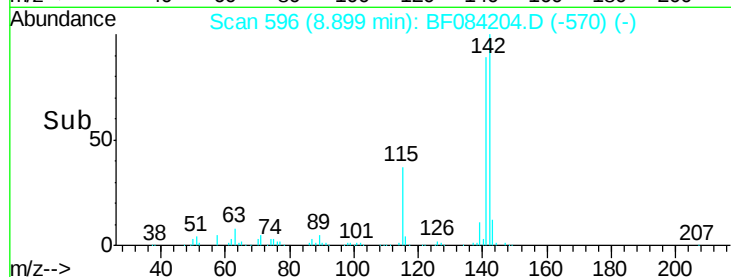
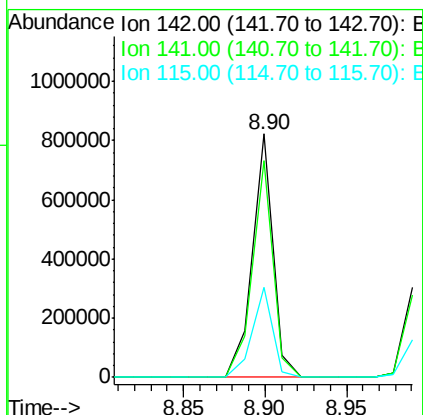
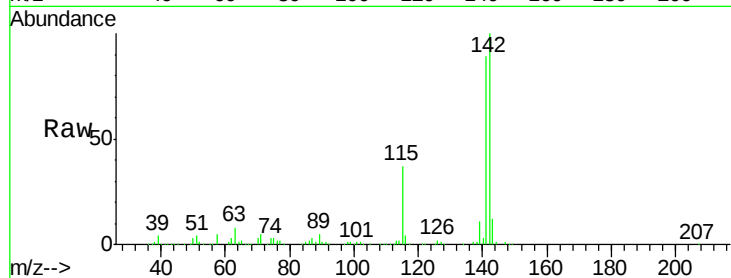




#37  
2-Methylnaphthalene  
Concen: 18.32 ng  
RT: 8.90 min Scan# 596  
Delta R.T. 0.00 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

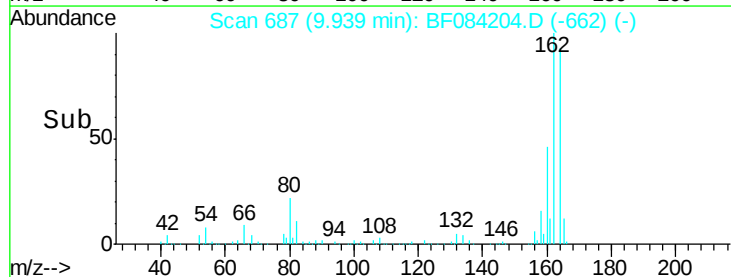
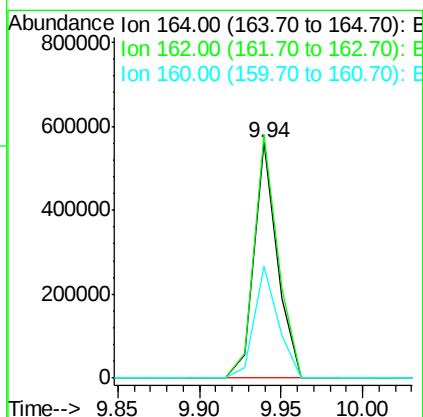
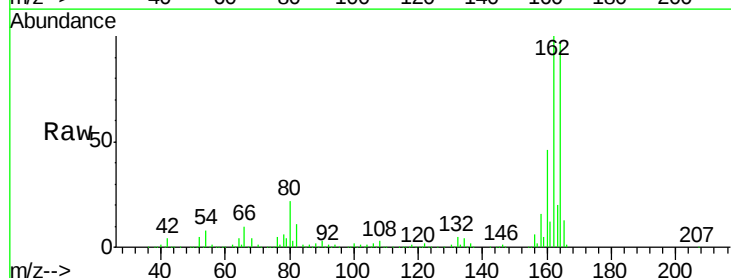
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

Tgt Ion:142 Resp: 728501  
Ion Ratio Lower Upper  
142 100  
141 89.0 72.4 108.6  
115 37.0 27.9 41.9



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.94 min Scan# 687  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion:164 Resp: 554307  
Ion Ratio Lower Upper  
164 100  
162 103.4 85.1 127.7  
160 47.6 37.5 56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 17.68 ng

RT: 9.07 min Scan# 611

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

Tgt Ion:216 Resp: 281771

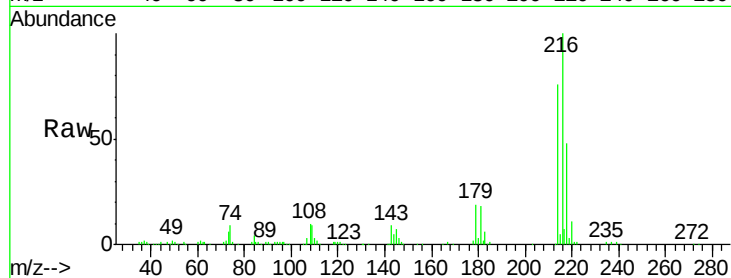
Ion Ratio Lower Upper

216 100

214 78.5 64.2 96.2

179 22.9 18.7 28.1

108 21.6 16.8 25.2

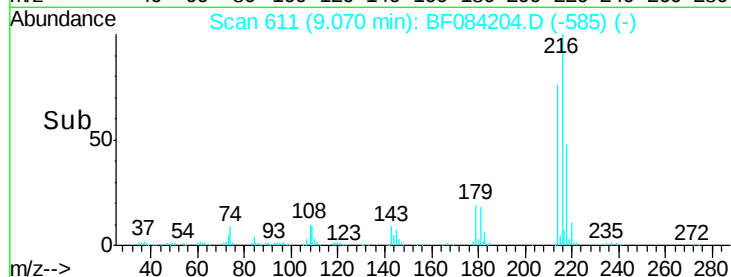
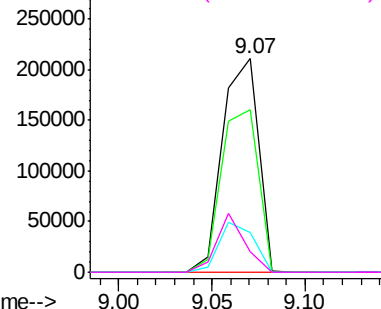


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 19.38 ng

RT: 9.06 min Scan# 610

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

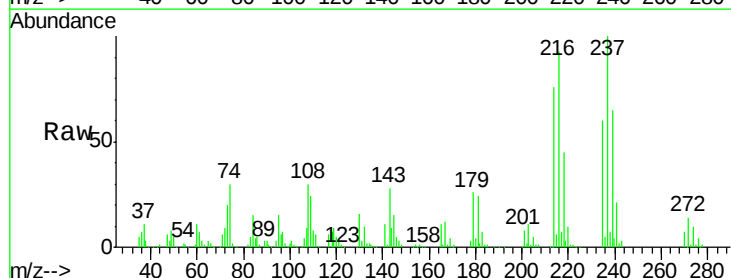
Tgt Ion:237 Resp: 186413

Ion Ratio Lower Upper

237 100

235 59.8 43.1 83.1

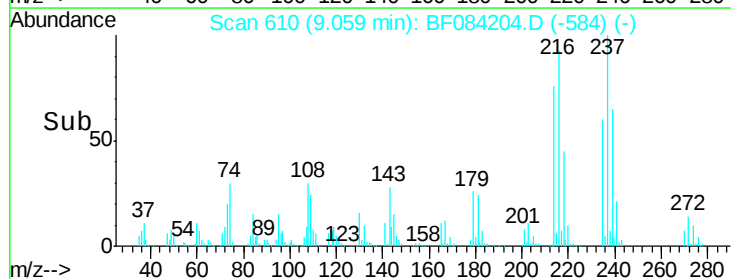
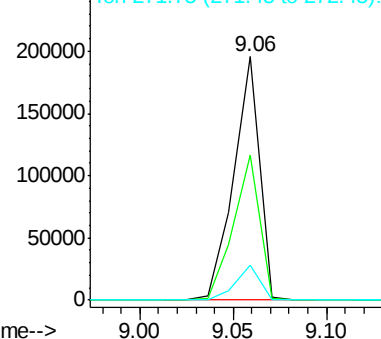
272 14.3 0.0 35.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

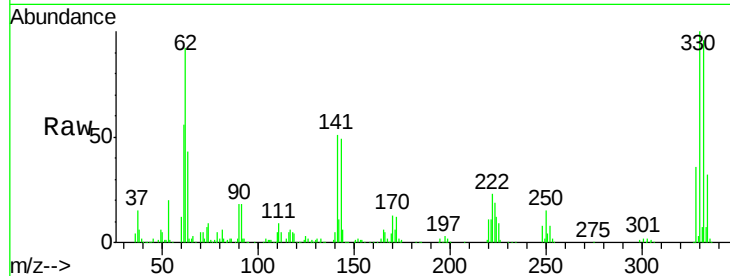




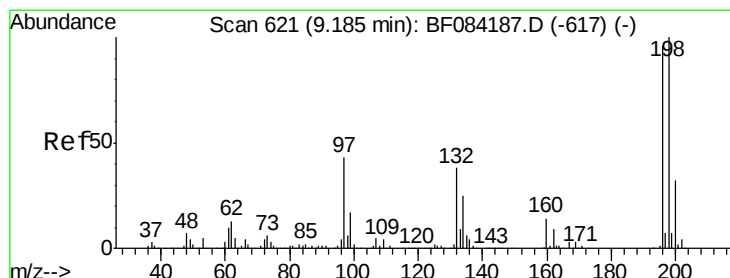
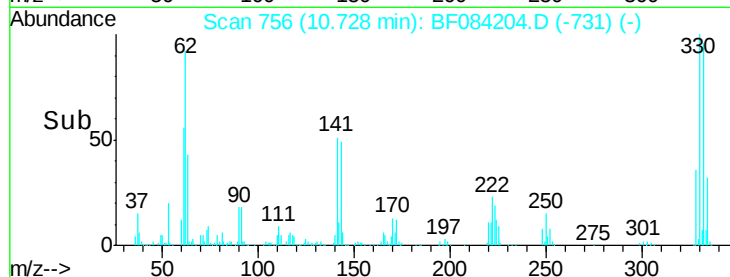
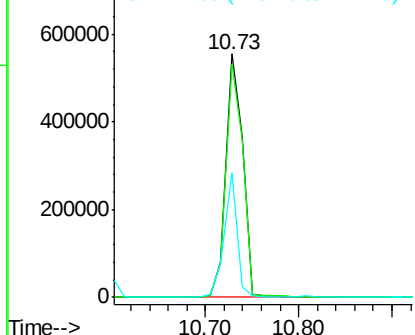
#41  
 2,4,6-Tribromophenol  
 Concen: 125.85 ng  
 RT: 10.73 min Scan# 756  
 Delta R.T. -0.01 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER2016-02

Tgt Ion:330 Resp: 704266  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 76.6 114.8  
 141 38.4 27.8 41.6

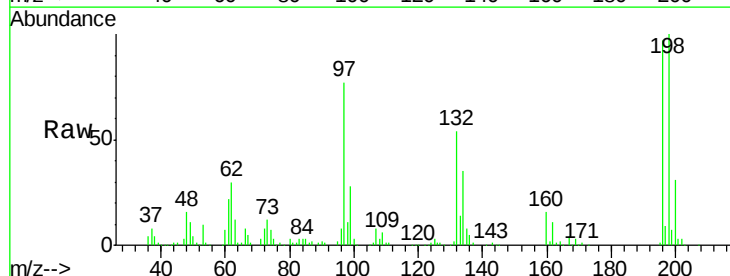


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

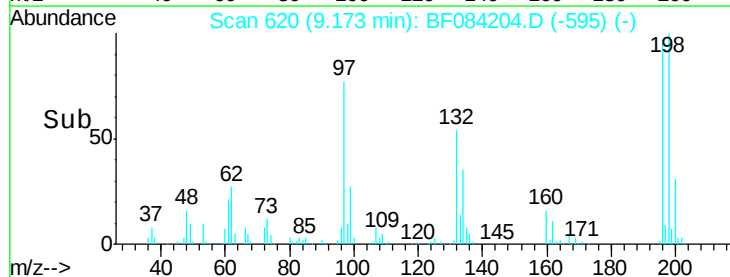
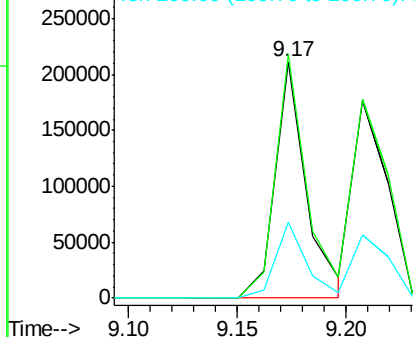


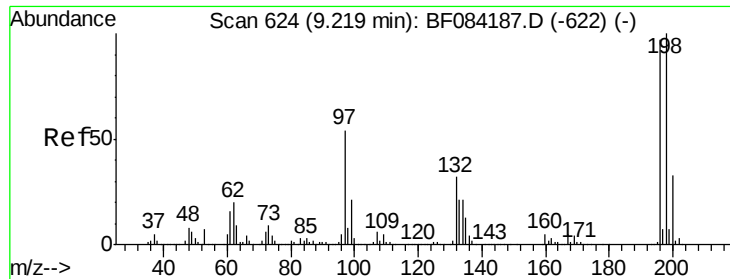
#42  
 2,4,6-Trichlorophenol  
 Concen: 17.80 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.01 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Tgt Ion:196 Resp: 212221  
 Ion Ratio Lower Upper  
 196 100  
 198 103.2 77.7 116.5  
 200 32.0 24.6 37.0



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

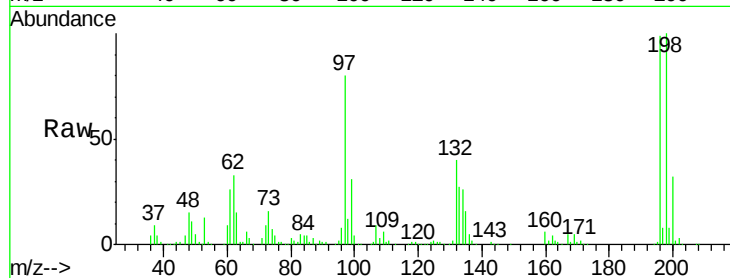




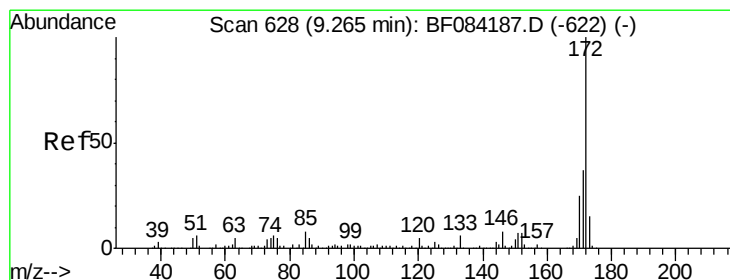
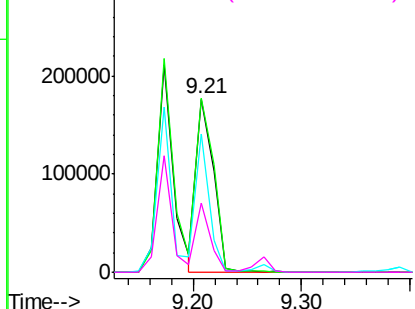
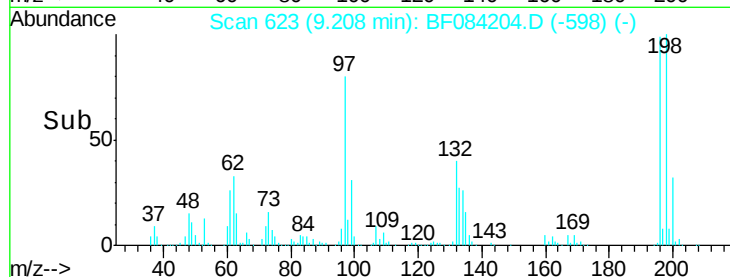
#43  
 2,4,5-Trichlorophenol  
 Concen: 17.34 ng  
 RT: 9.21 min Scan# 623  
 Delta R.T. -0.01 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER2016-02

Tgt Ion:196 Resp: 198162  
 Ion Ratio Lower Upper  
 196 100  
 198 100.6 79.0 118.6  
 97 80.0 33.0 49.6#  
 132 40.0 21.1 31.7#

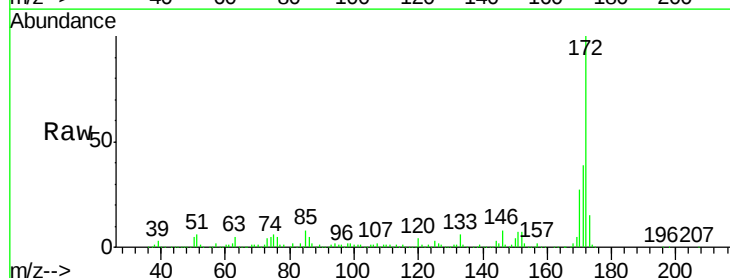


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

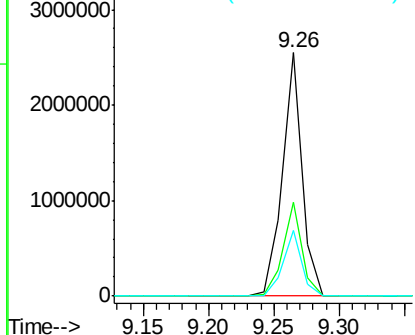
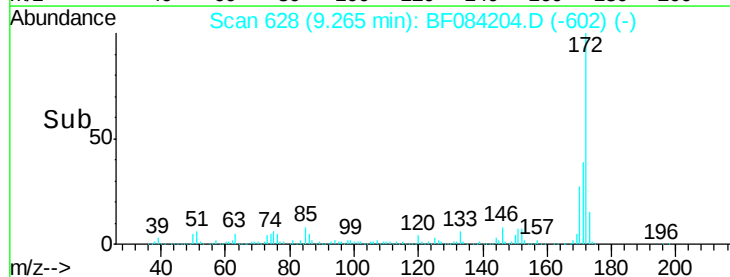


#44  
 2-Fluorobiphenyl  
 Concen: 85.91 ng  
 RT: 9.26 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Tgt Ion:172 Resp: 2704905  
 Ion Ratio Lower Upper  
 172 100  
 171 38.8 28.9 43.3  
 170 27.0 18.6 27.8



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

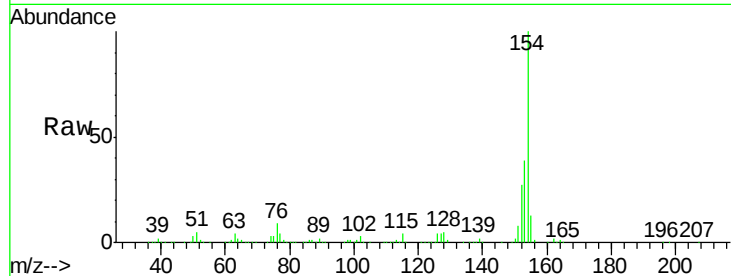




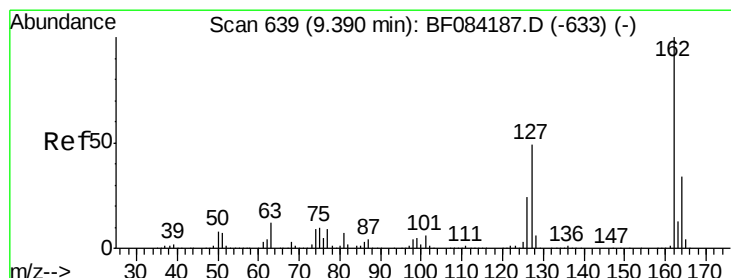
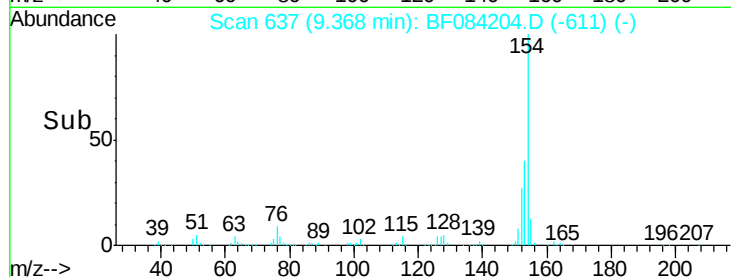
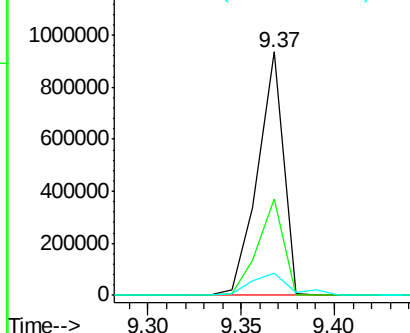
#45  
 1,1'-Biphenyl  
 Concen: 20.26 ng  
 RT: 9.37 min Scan# 637  
 Delta R.T. 0.00 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER2016-02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.5  | 21.6  | 61.6  |
| 76      | 9.3   | 0.0   | 32.7  |

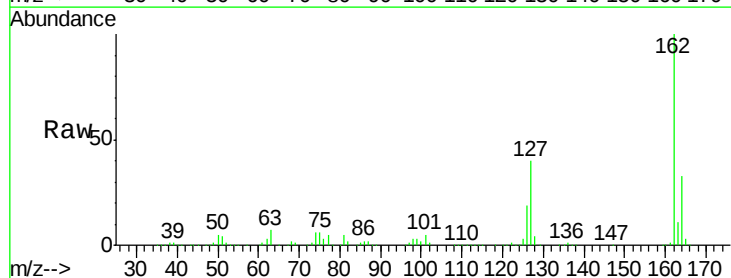


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

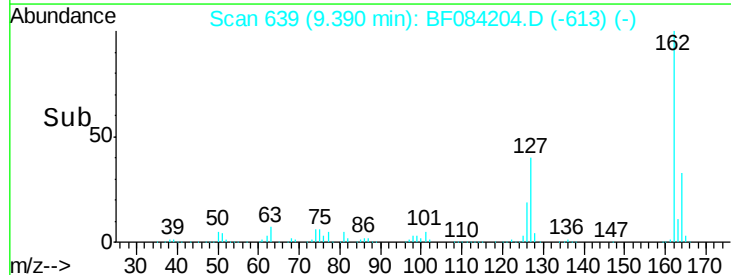
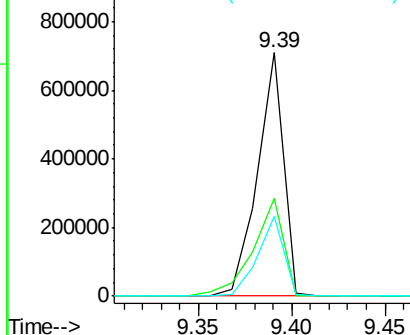


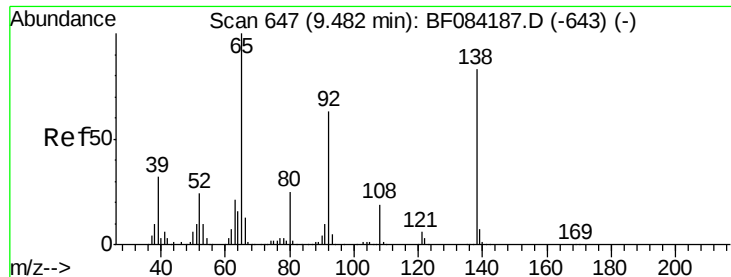
#46  
 2-Chloronaphthalene  
 Concen: 19.74 ng  
 RT: 9.39 min Scan# 639  
 Delta R.T. 0.00 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.1  | 40.2  | 60.4# |
| 164     | 33.0  | 25.7  | 38.5  |



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

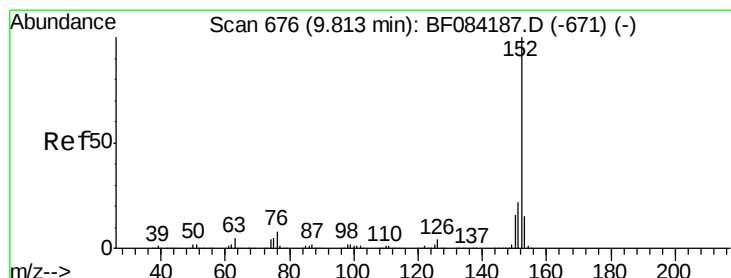
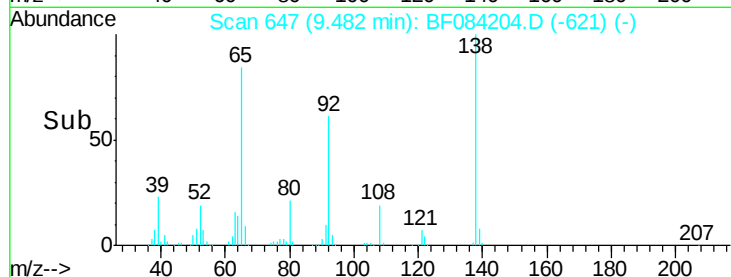
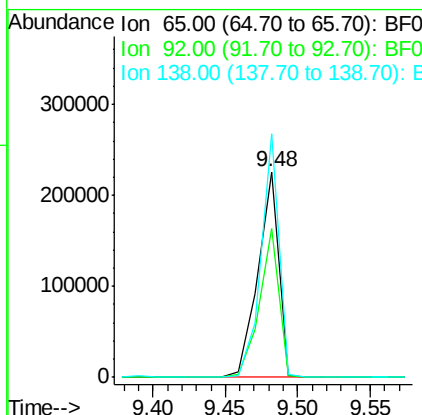
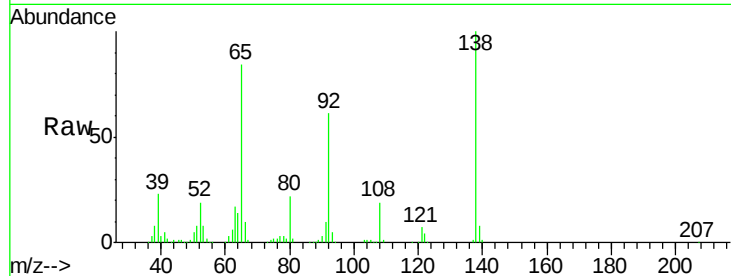




#47  
2-Nitroaniline  
Concen: 19.54 ng  
RT: 9.48 min Scan# 647  
Delta R.T. 0.00 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

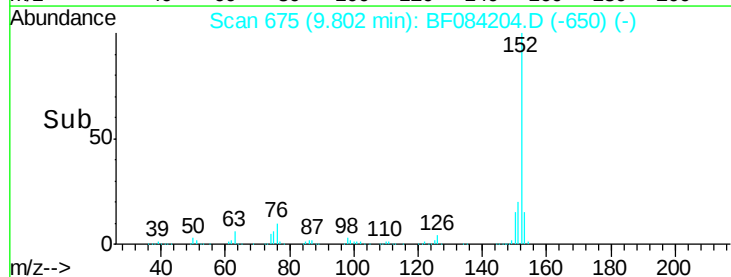
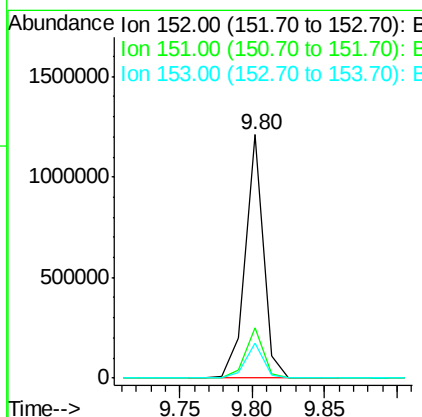
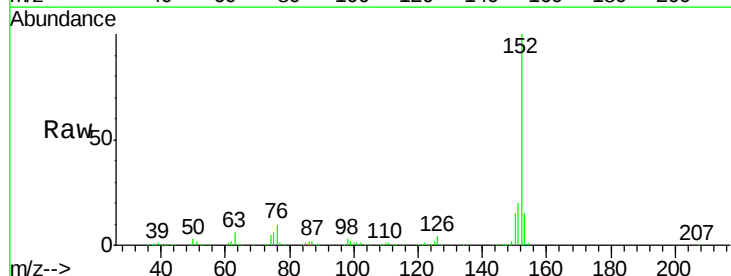
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

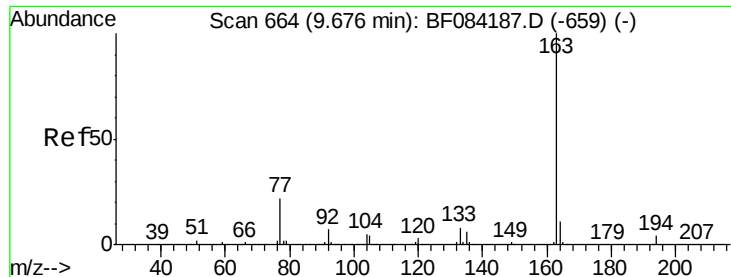
Tgt Ion: 65 Resp: 223141  
Ion Ratio Lower Upper  
65 100  
92 72.6 53.4 80.2  
138 118.5 71.1 106.7#



#48  
Acenaphthylene  
Concen: 20.54 ng  
RT: 9.80 min Scan# 675  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion: 152 Resp: 1050279  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.3 24.5  
153 14.6 10.4 15.6

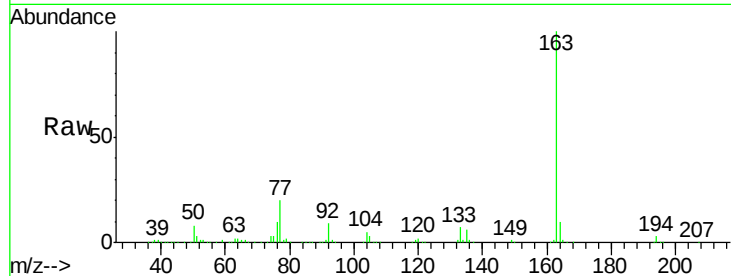




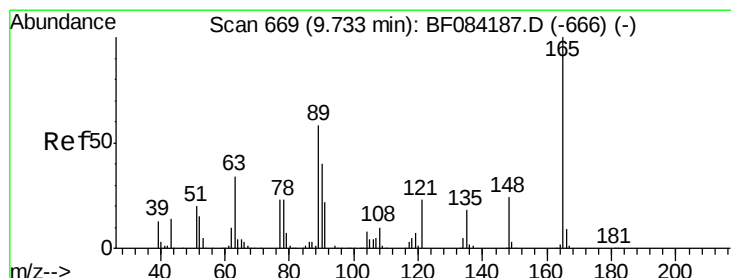
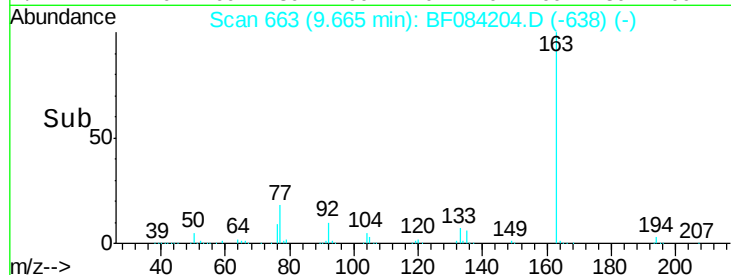
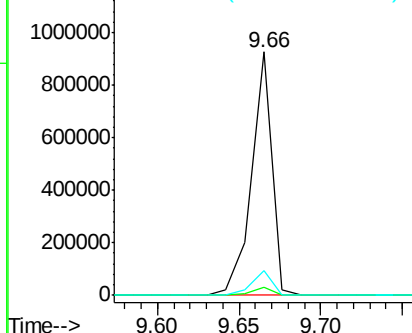
#49  
Dimethylphthalate  
Concen: 20.25 ng  
RT: 9.66 min Scan# 663  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

Tgt Ion:163 Resp: 802618  
Ion Ratio Lower Upper  
163 100  
194 3.2 8.0 12.0#  
164 10.3 8.0 12.0

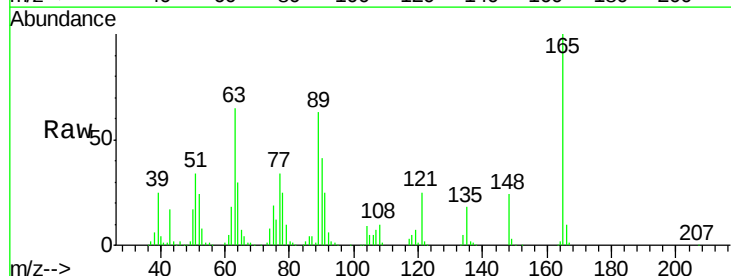


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

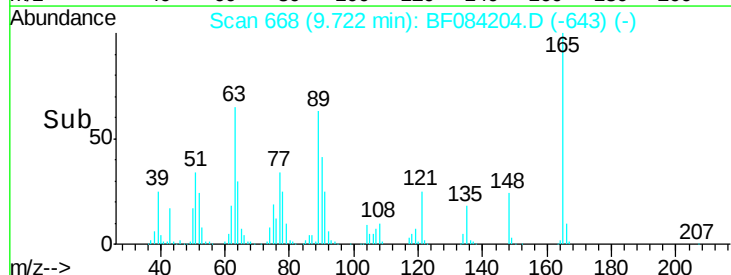
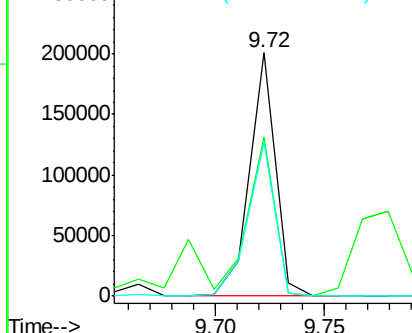


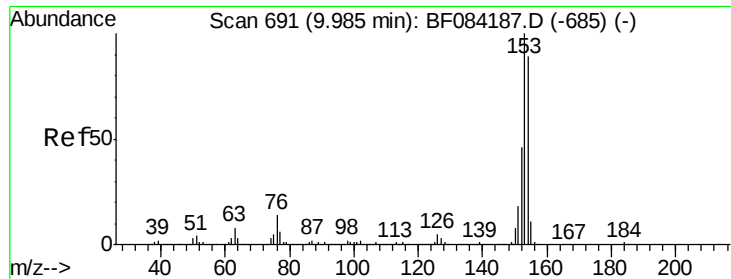
#50  
2,6-Dinitrotoluene  
Concen: 19.11 ng  
RT: 9.72 min Scan# 668  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion:165 Resp: 166126  
Ion Ratio Lower Upper  
165 100  
63 65.2 28.8 43.2#  
89 63.3 35.1 52.7#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

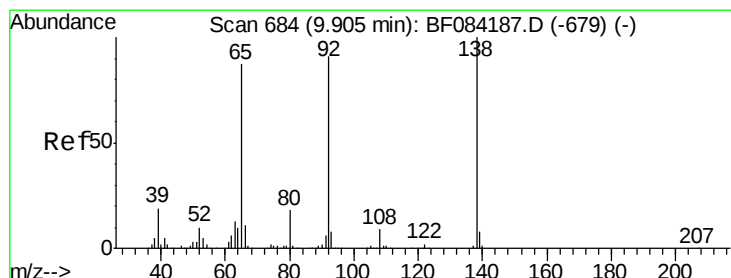
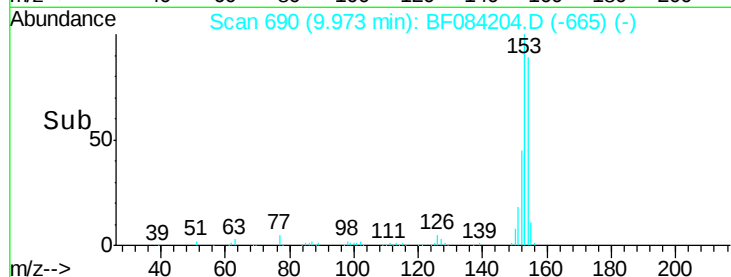
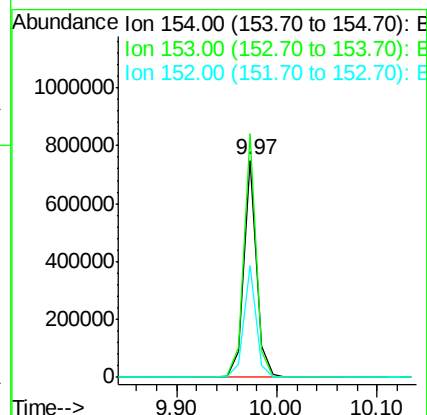
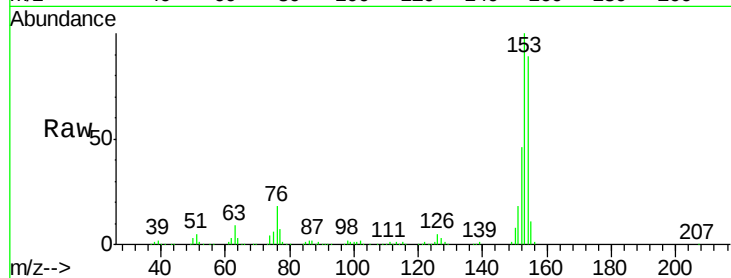




#51  
Acenaphthene  
Concen: 19.30 ng  
RT: 9.97 min Scan# 690  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

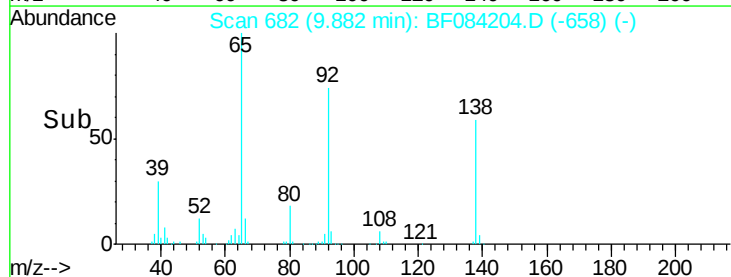
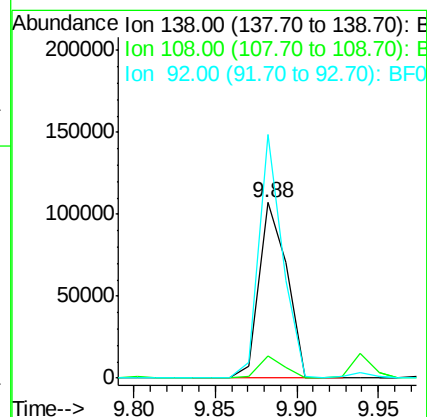
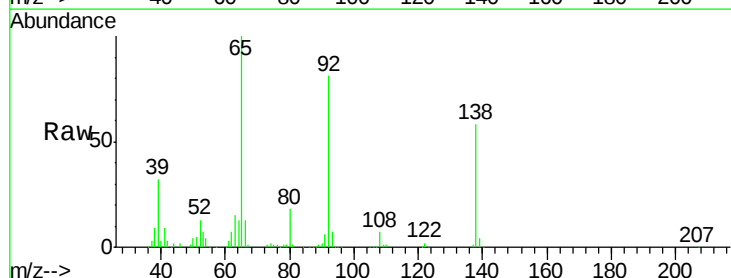
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

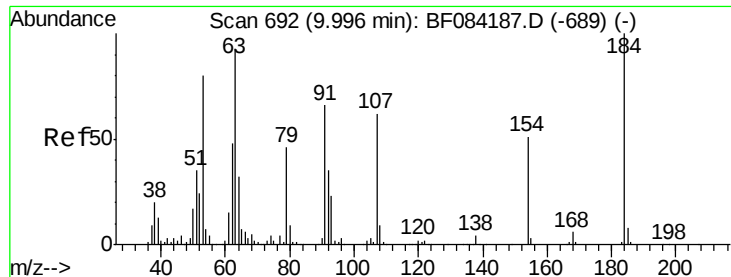
Tgt Ion:154 Resp: 661996  
Ion Ratio Lower Upper  
154 100  
153 112.3 91.5 137.3  
152 51.8 43.0 64.6



#52  
3-Nitroaniline  
Concen: 11.83 ng  
RT: 9.88 min Scan# 682  
Delta R.T. -0.02 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion:138 Resp: 127457  
Ion Ratio Lower Upper  
138 100  
108 12.7 10.5 15.7  
92 138.9 103.9 155.9

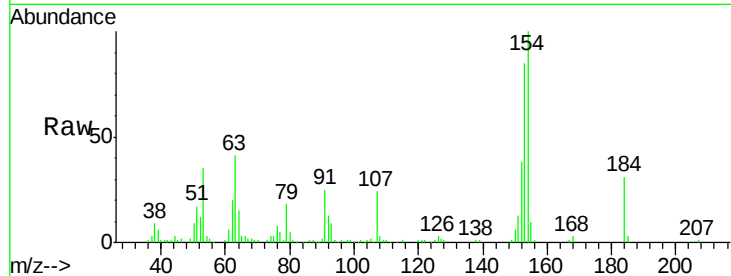




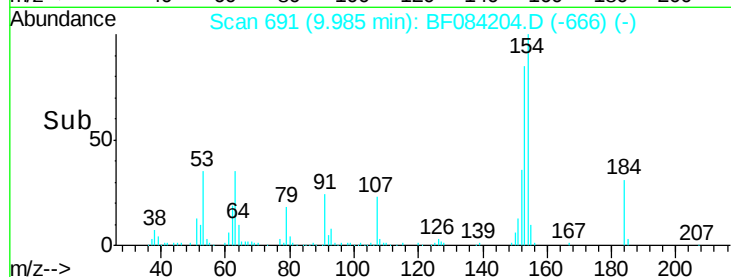
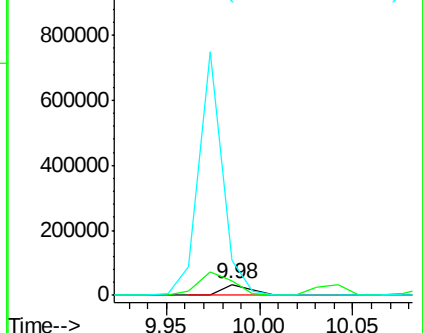
#53  
2,4-Dinitrophenol  
Concen: 13.01 ng  
RT: 9.98 min Scan# 691  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

Tgt Ion:184 Resp: 36640  
Ion Ratio Lower Upper  
184 100  
63 131.0 43.1 64.7#  
154 322.1 60.5 90.7#

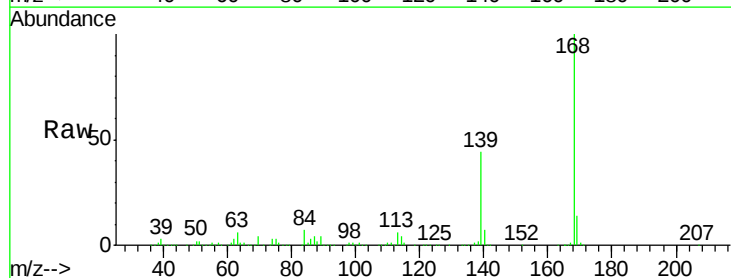


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

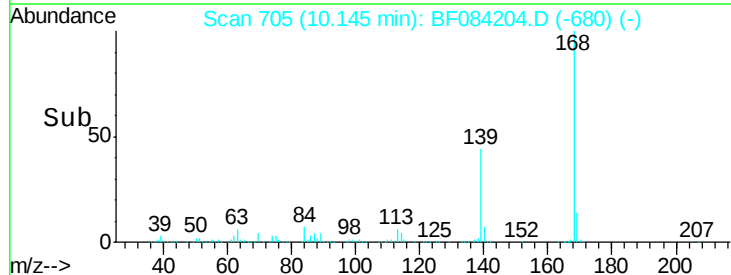
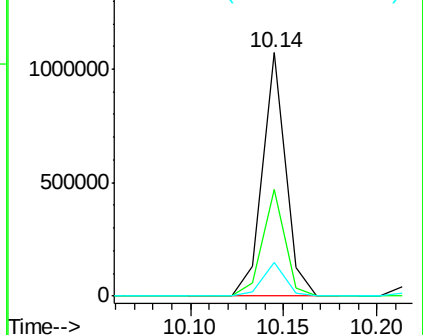


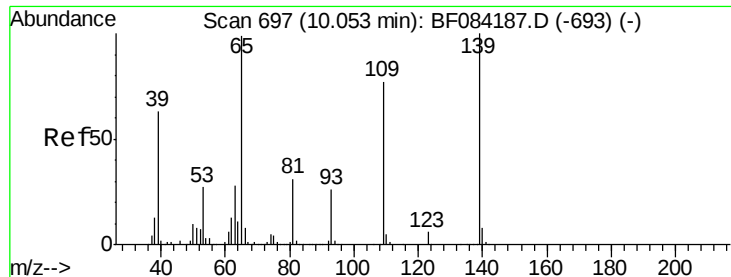
#54  
Dibenzofuran  
Concen: 18.84 ng  
RT: 10.14 min Scan# 705  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion:168 Resp: 913306  
Ion Ratio Lower Upper  
168 100  
139 43.6 30.5 45.7  
169 14.0 10.4 15.6



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

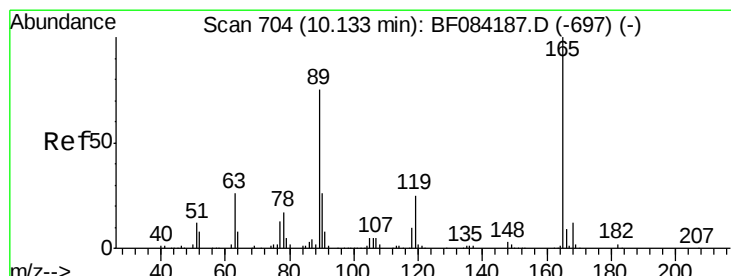
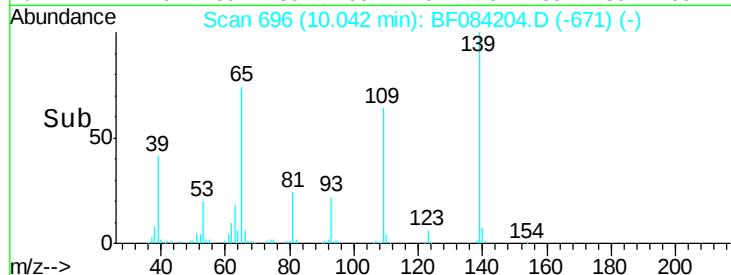
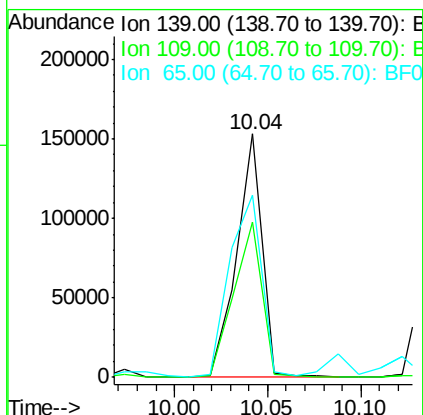
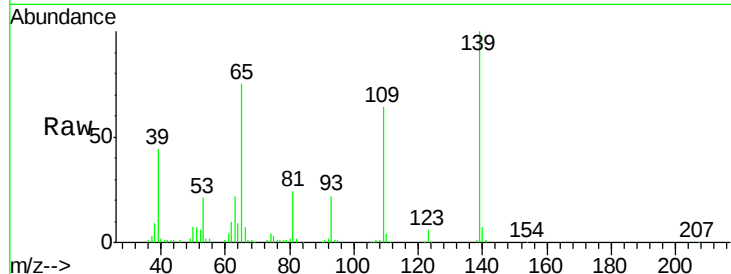




#55  
4-Nitrophenol  
Concen: 18.85 ng  
RT: 10.04 min Scan# 696  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

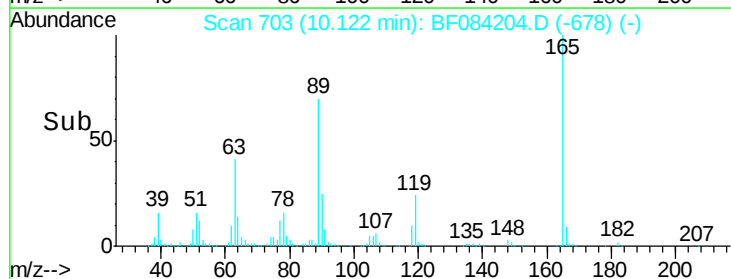
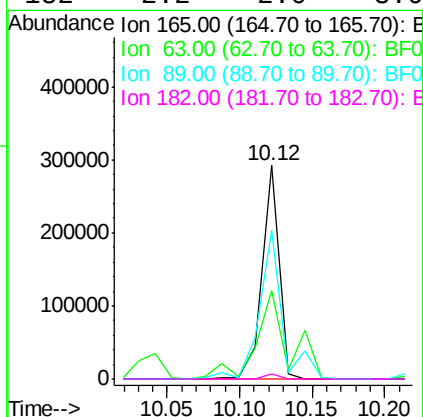
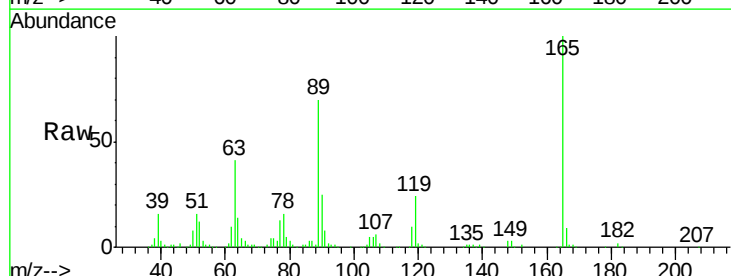
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

Tgt Ion:139 Resp: 147380  
Ion Ratio Lower Upper  
139 100  
109 63.8 58.5 98.5  
65 74.6 57.6 97.6



#56  
2,4-Dinitrotoluene  
Concen: 21.68 ng  
RT: 10.12 min Scan# 703  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion:165 Resp: 238441  
Ion Ratio Lower Upper  
165 100  
63 41.4 36.7 55.1  
89 69.6 61.9 92.9  
182 2.2 2.0 3.0





#57

Fluorene

Concen: 19.41 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

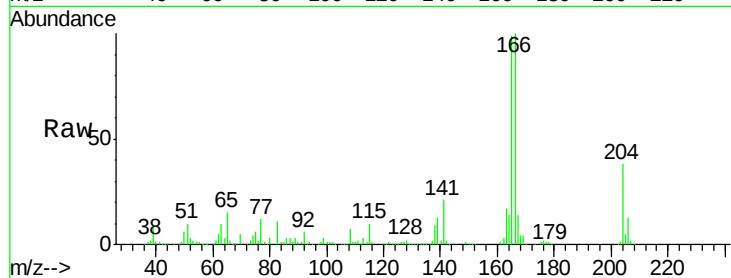
Tgt Ion:166 Resp: 713080

Ion Ratio Lower Upper

166 100

165 98.8 79.1 118.7

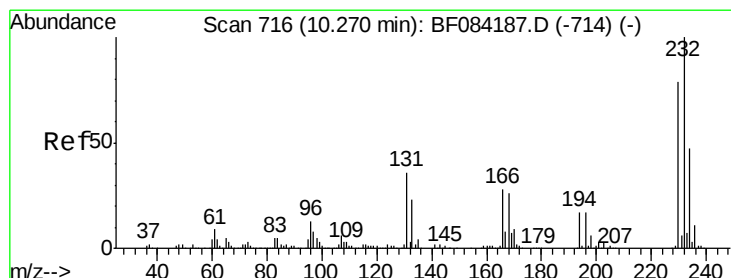
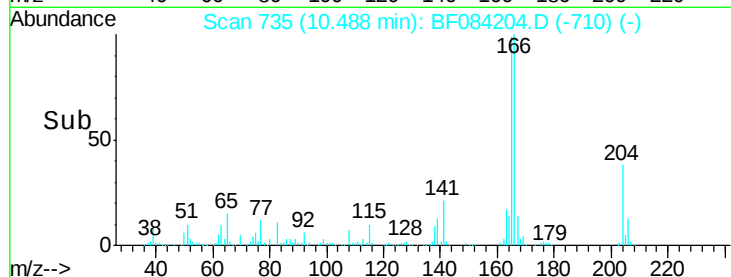
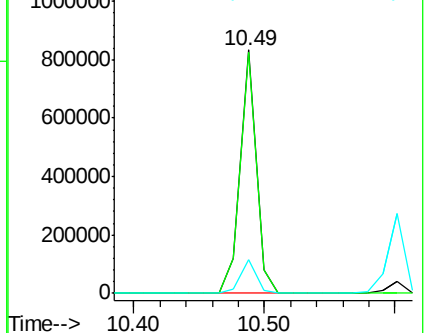
167 13.7 10.4 15.6



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 18.34 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Tgt Ion:232 Resp: 178961

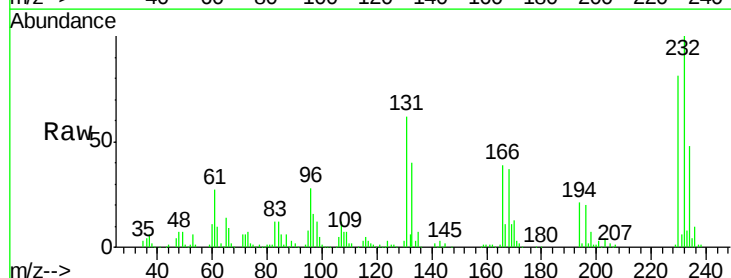
Ion Ratio Lower Upper

232 100

131 54.9 47.0 70.6

130 2.5 2.0 3.0

166 35.7 30.5 45.7

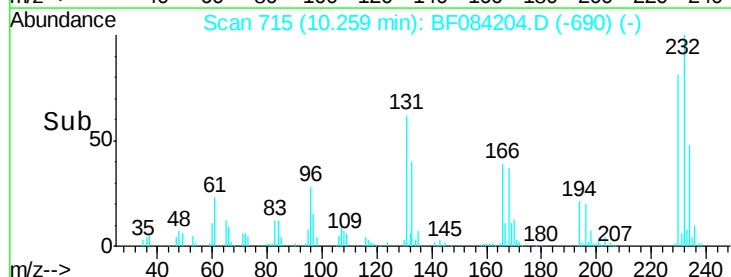
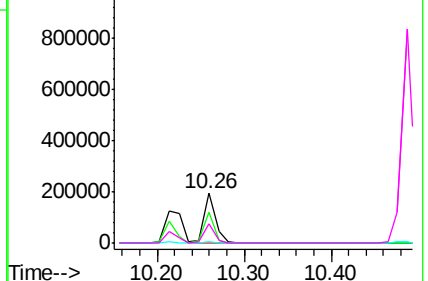


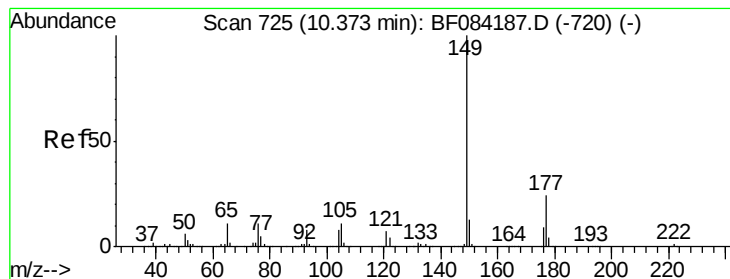
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 19.11 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

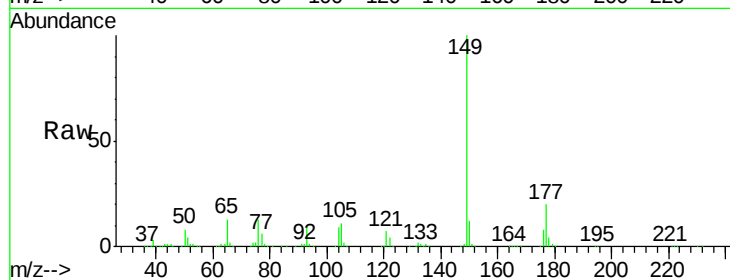
Tgt Ion:149 Resp: 746510

Ion Ratio Lower Upper

149 100

177 19.9 17.3 25.9

150 12.4 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

800000

600000

400000

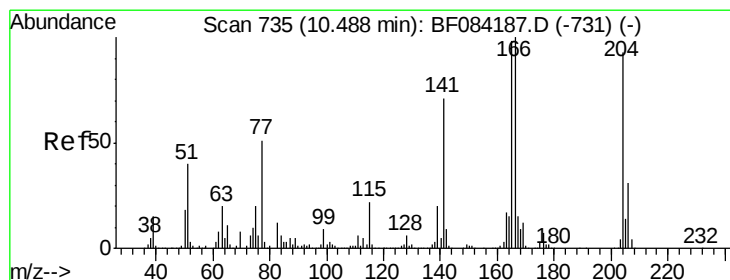
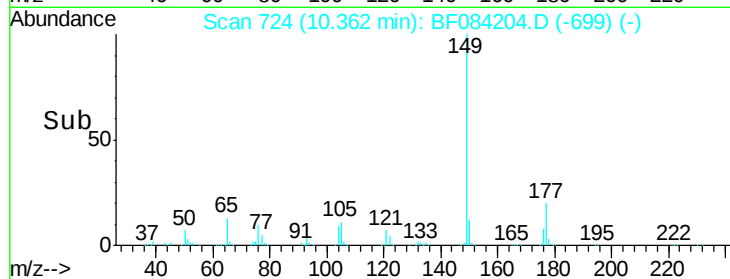
200000

0

10.36

10.30 10.35 10.40 10.45

Time-->



#60

4-Chlorophenyl-phenylether

Concen: 17.92 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

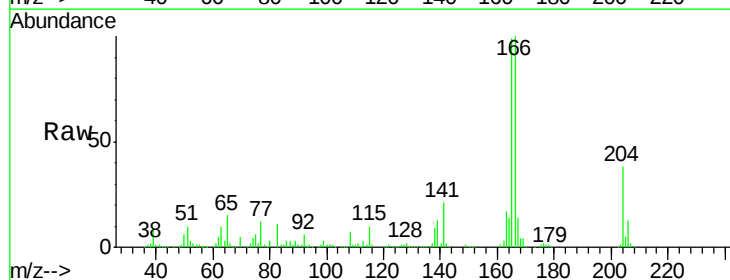
Tgt Ion:204 Resp: 328659

Ion Ratio Lower Upper

204 100

206 33.2 25.7 38.5

141 54.8 55.1 82.7#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

400000

300000

200000

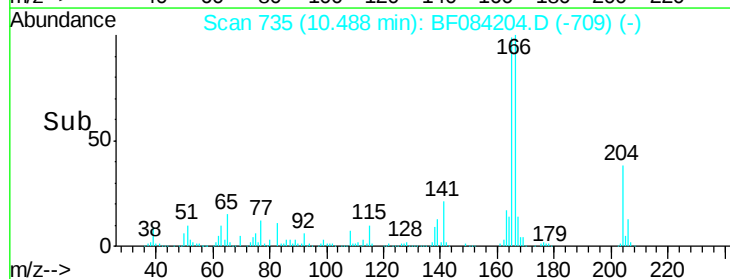
100000

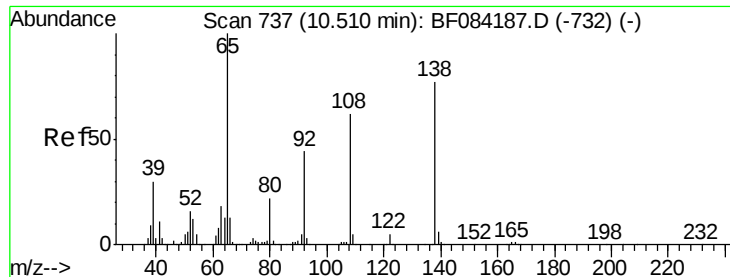
0

10.49

10.45 10.50

Time-->

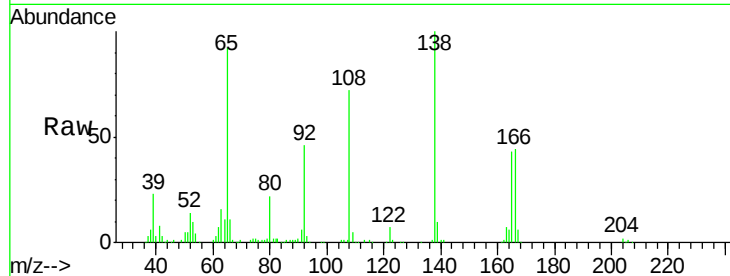




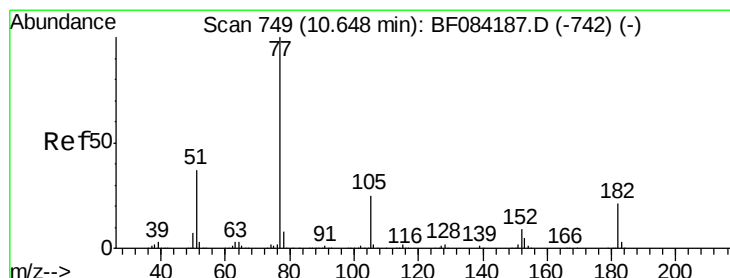
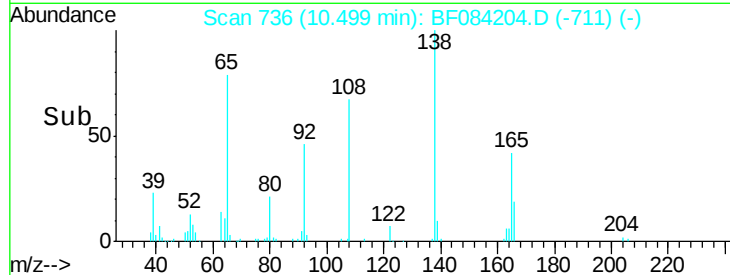
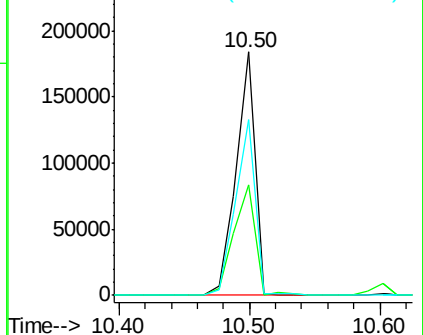
#61  
4-Nitroaniline  
Concen: 19.16 ng  
RT: 10.50 min Scan# 736  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

Tgt Ion: 138 Resp: 183964  
Ion Ratio Lower Upper  
138 100  
92 45.6 32.6 72.6  
108 72.0 68.6 108.6

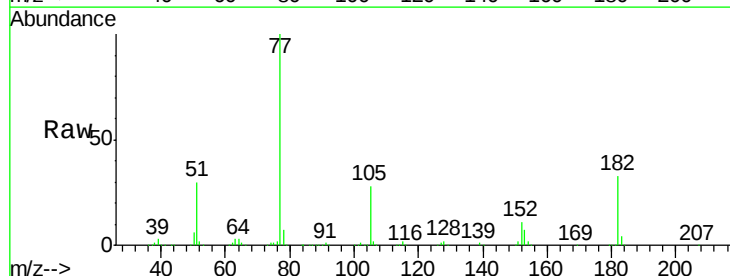


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

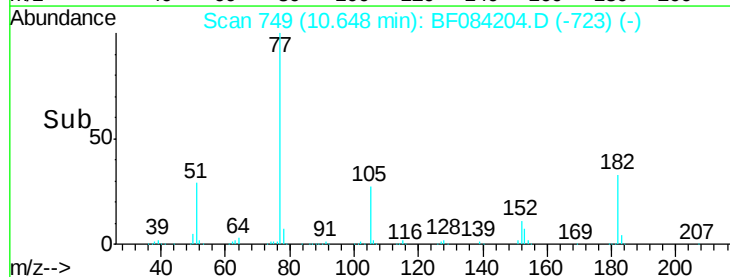
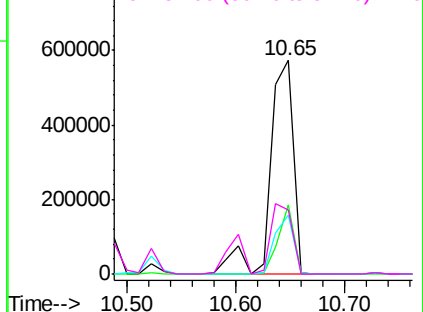


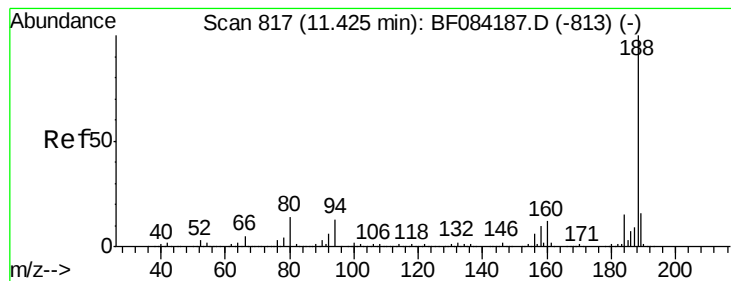
#62  
Azobenzene  
Concen: 19.65 ng  
RT: 10.65 min Scan# 749  
Delta R.T. 0.00 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion: 77 Resp: 842098  
Ion Ratio Lower Upper  
77 100  
182 32.5 8.3 48.3  
105 27.6 4.6 44.6  
51 29.8 6.2 46.2



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

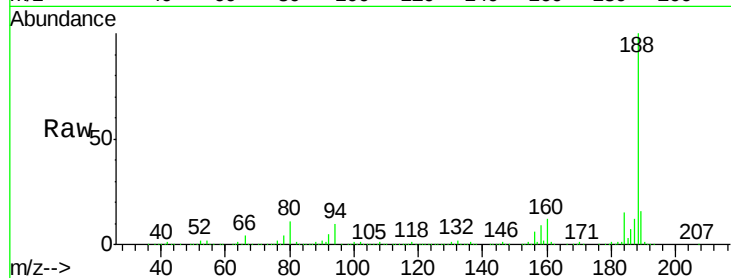
Tgt Ion:188 Resp: 1037867

Ion Ratio Lower Upper

188 100

94 9.7 9.0 13.4

80 10.8 9.6 14.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.42

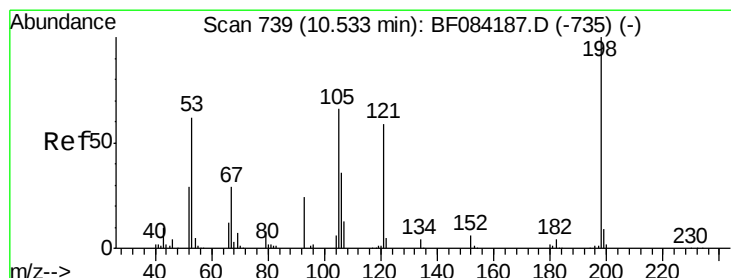
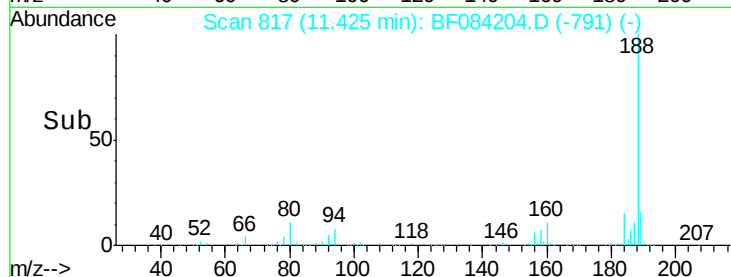
1500000

1000000

500000

0

Time--> 11.35 11.40 11.45



#64

4,6-Dinitro-2-methylphenol

Concen: 15.29 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

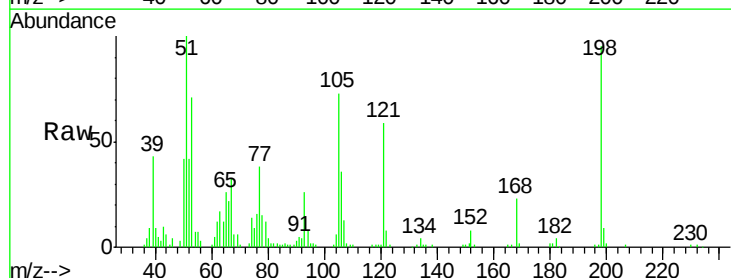
Tgt Ion:198 Resp: 75074

Ion Ratio Lower Upper

198 100

51 104.9 18.9 58.9#

105 76.4 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

250000

200000

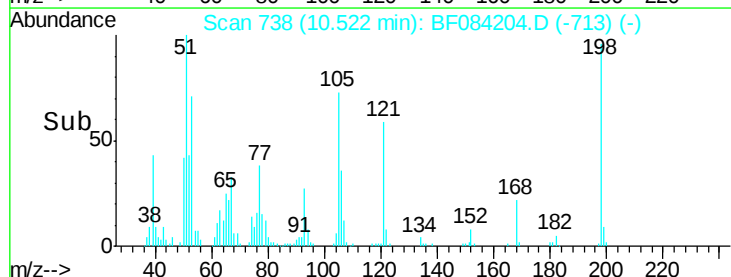
150000

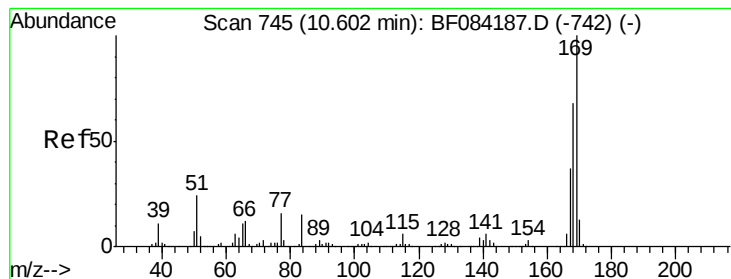
100000

50000

0

Time--> 10.50 10.52 10.54 10.56 10.58 10.60





#65

n-Nitrosodiphenylamine

Concen: 19.56 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

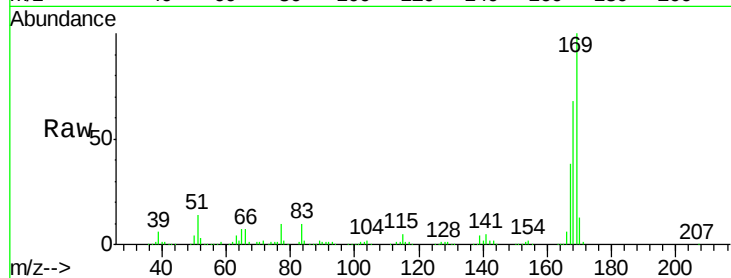
Tgt Ion:169 Resp: 649130

Ion Ratio Lower Upper

169 100

168 67.7 55.1 82.7

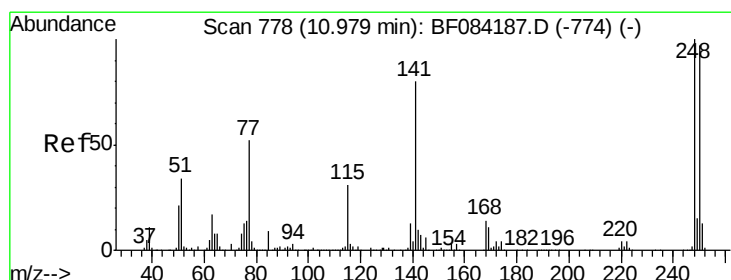
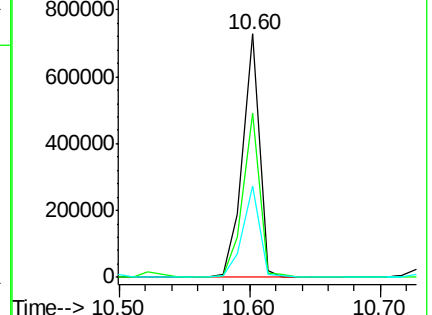
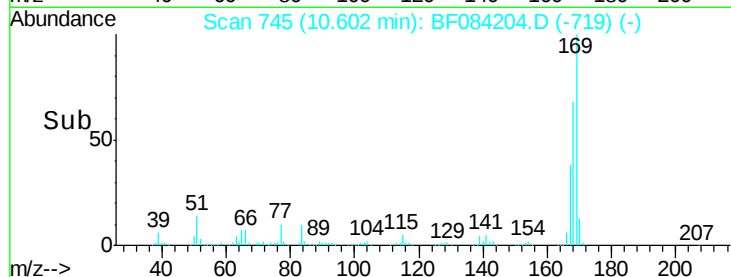
167 37.5 30.0 45.0



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: 18.30 ng

RT: 10.97 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

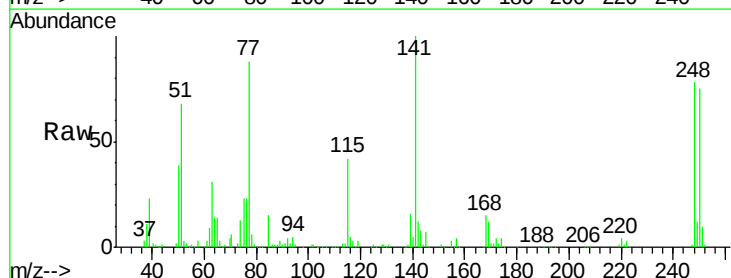
Tgt Ion:248 Resp: 204432

Ion Ratio Lower Upper

248 100

250 95.4 78.4 117.6

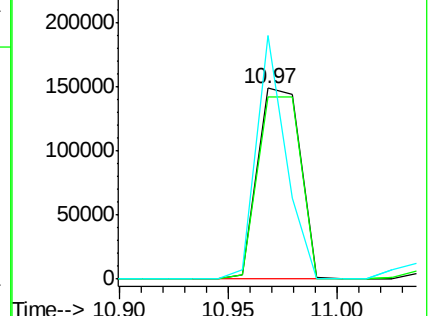
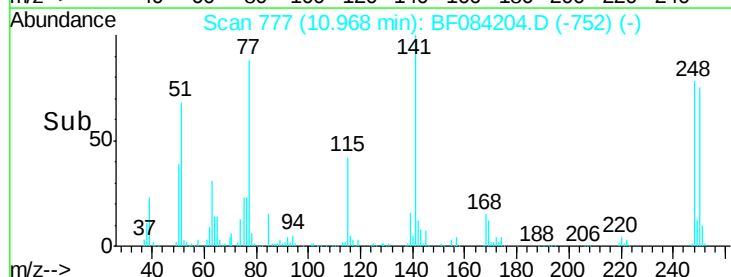
141 127.4 44.0 66.0#

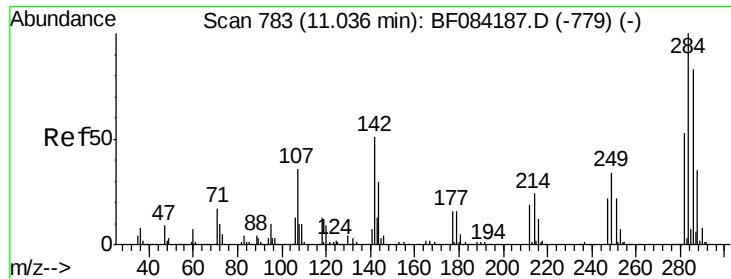


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

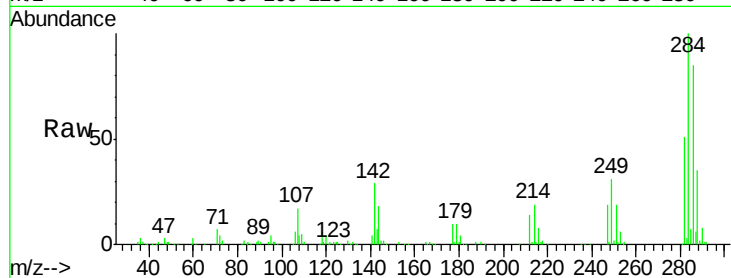




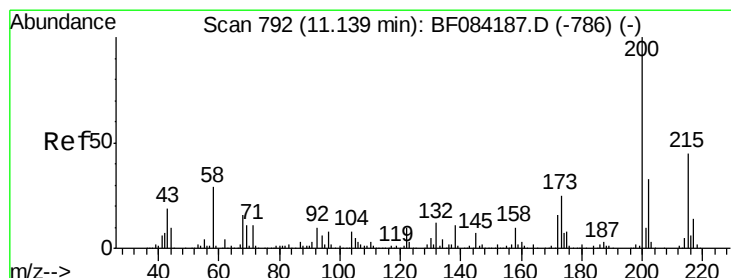
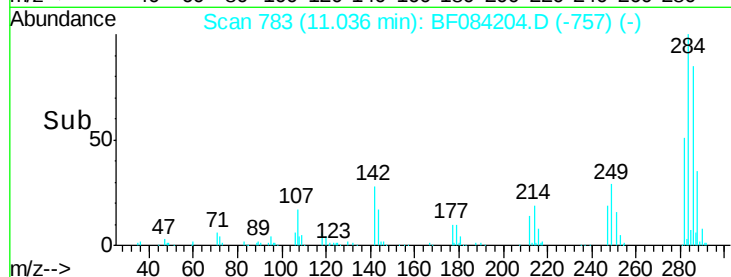
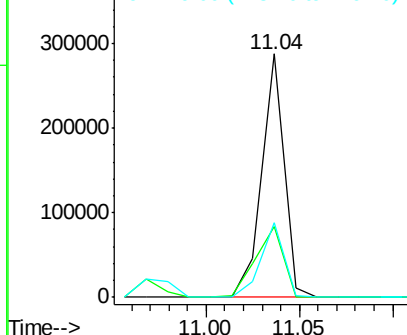
#67  
Hexachlorobenzene  
Concen: 18.88 ng  
RT: 11.04 min Scan# 783  
Delta R.T. 0.00 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

Tgt Ion:284 Resp: 237343  
Ion Ratio Lower Upper  
284 100  
142 29.2 22.2 33.4  
249 30.8 24.6 37.0

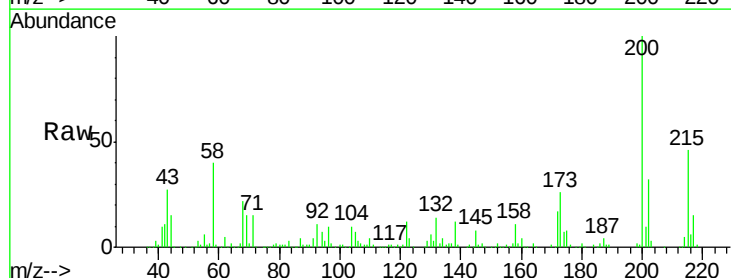


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

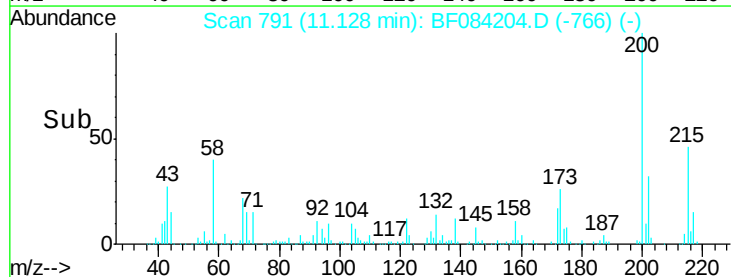
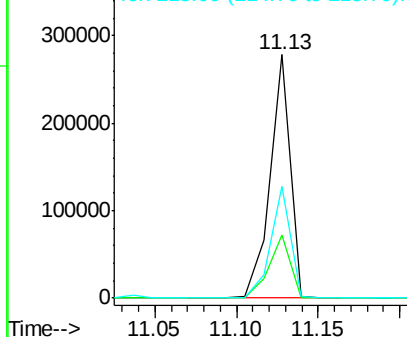


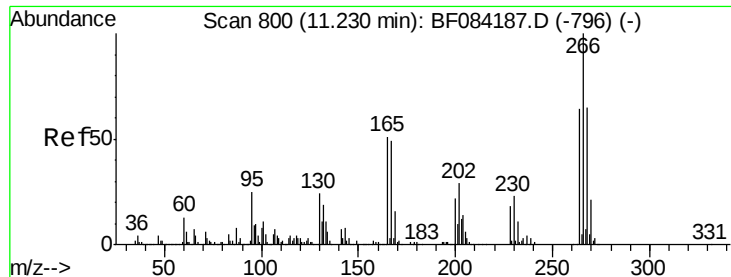
#68  
Atrazine  
Concen: 22.11 ng  
RT: 11.13 min Scan# 791  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion:200 Resp: 240111  
Ion Ratio Lower Upper  
200 100  
173 25.7 9.5 49.5  
215 46.1 23.8 63.8



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

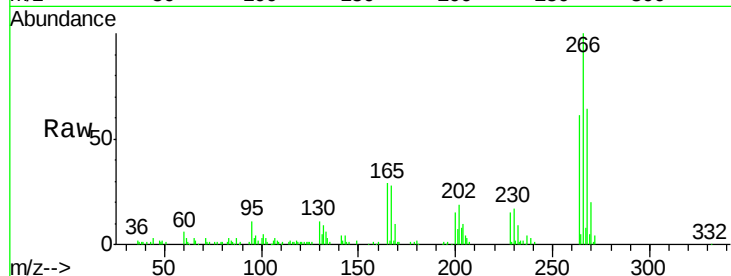




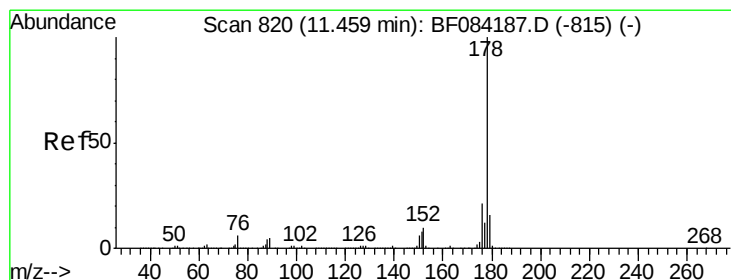
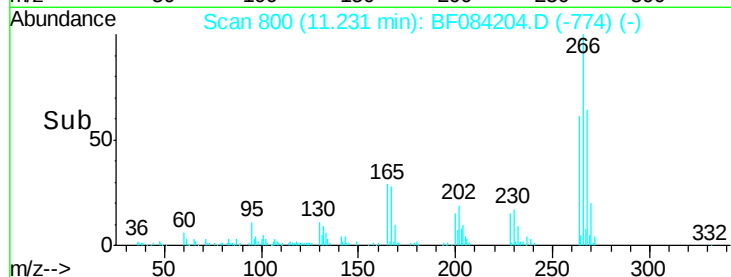
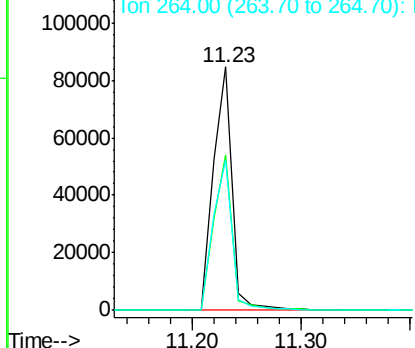
#69  
 Pentachlorophenol  
 Concen: 15.72 ng  
 RT: 11.23 min Scan# 800  
 Delta R.T. 0.00 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER2016-02

Tgt Ion: 266 Resp: 102473  
 Ion Ratio Lower Upper  
 266 100  
 268 63.7 52.4 78.6  
 264 61.4 50.2 75.2

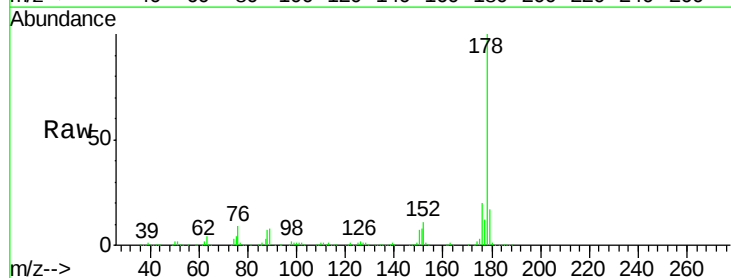


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

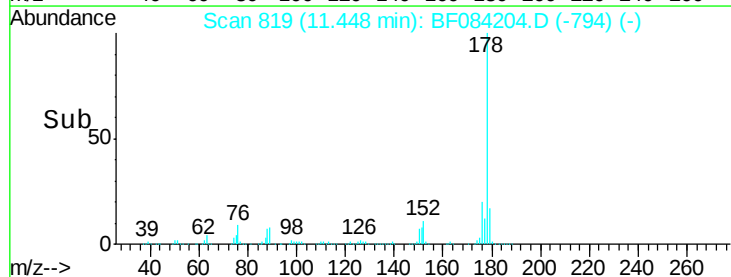
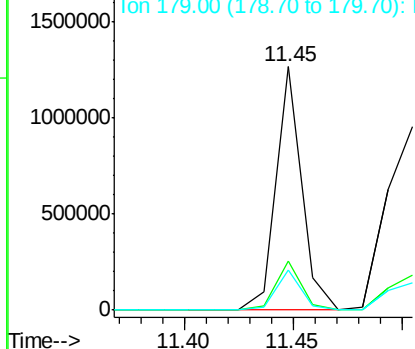


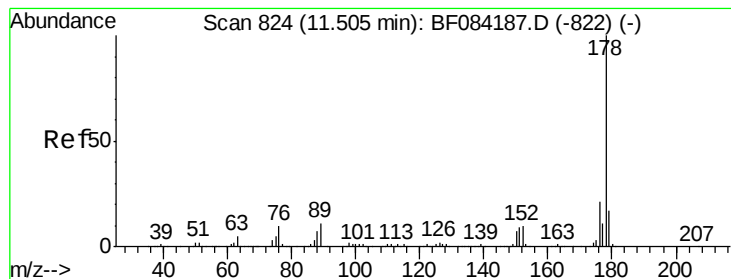
#70  
 Phenanthrene  
 Concen: 19.39 ng  
 RT: 11.45 min Scan# 819  
 Delta R.T. -0.01 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Tgt Ion: 178 Resp: 1052418  
 Ion Ratio Lower Upper  
 178 100  
 176 20.2 15.3 22.9  
 179 16.7 12.0 18.0



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





#71

Anthracene

Concen: 20.71 ng

RT: 11.50 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

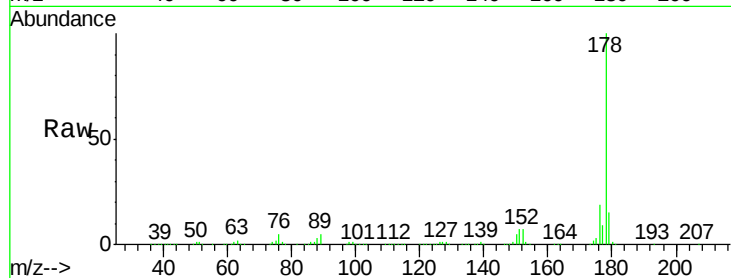
Tgt Ion:178 Resp: 1102334

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

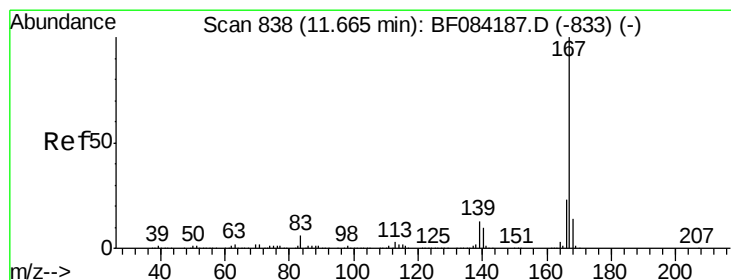
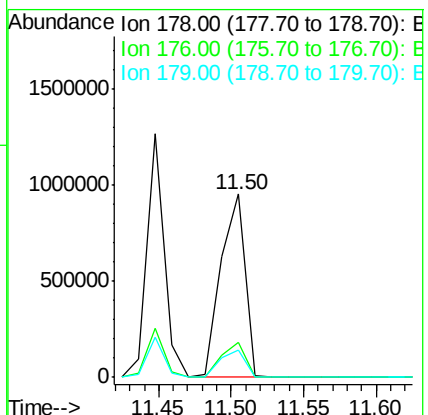
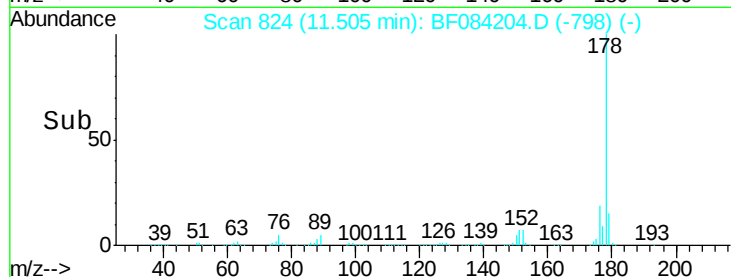
179 15.2 12.5 18.7



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: 19.34 ng

RT: 11.65 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

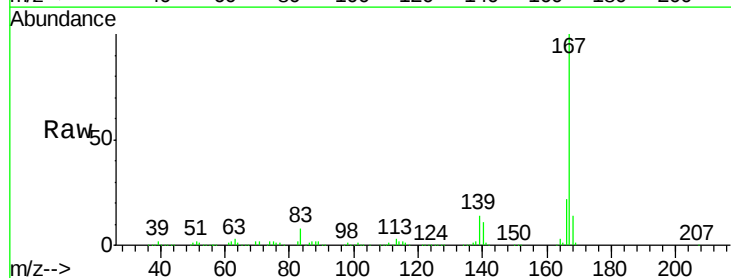
Tgt Ion:167 Resp: 1005955

Ion Ratio Lower Upper

167 100

166 22.1 17.6 26.4

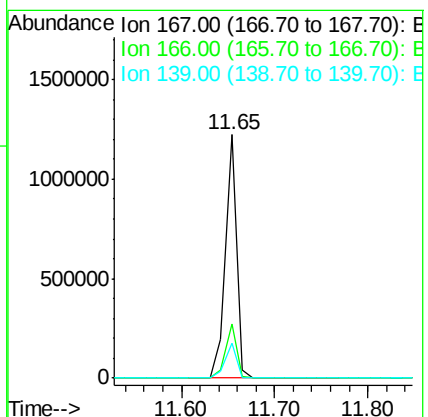
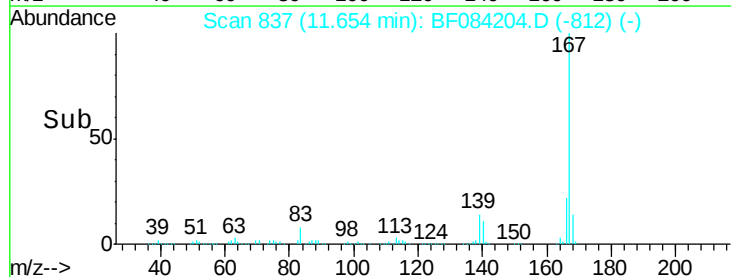
139 14.3 11.8 17.8

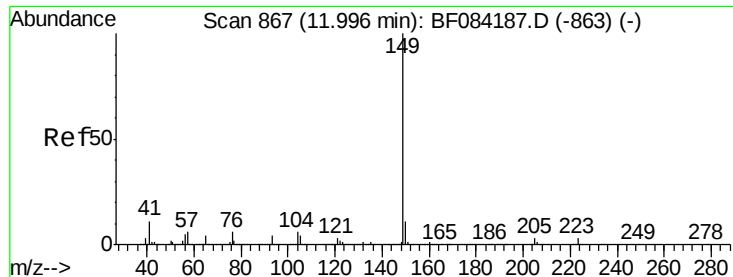


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 18.93 ng

RT: 12.00 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

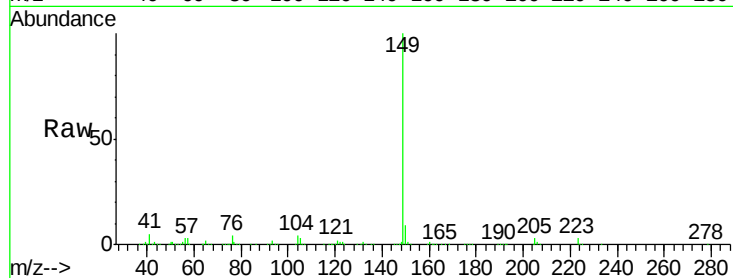
Tgt Ion:149 Resp: 1270983

Ion Ratio Lower Upper

149 100

150 9.4 7.1 10.7

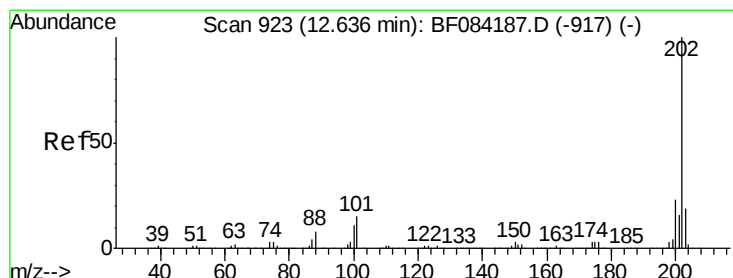
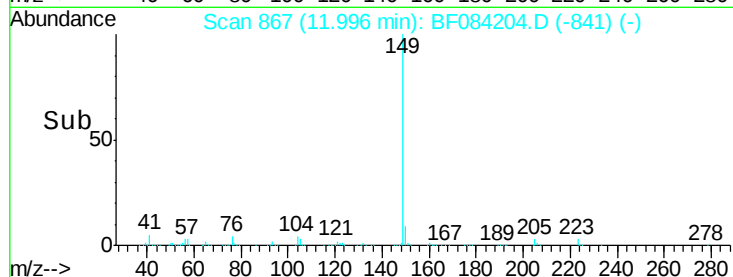
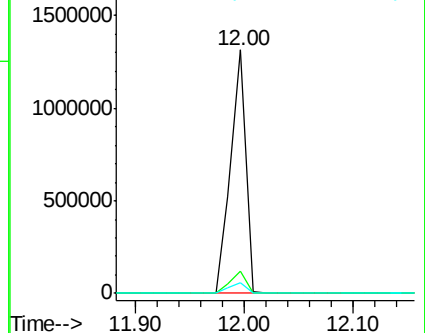
104 4.4 3.2 4.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 20.02 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

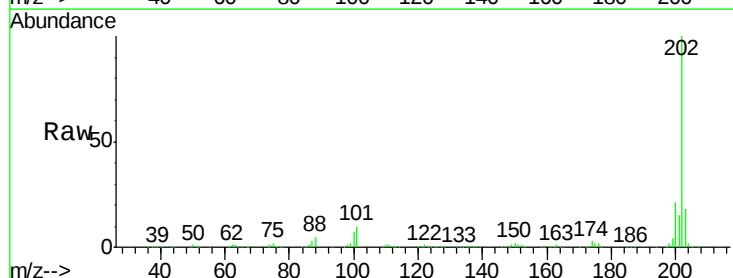
Tgt Ion:202 Resp: 1135569

Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.8

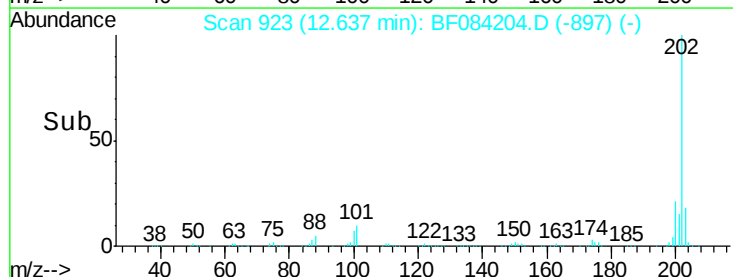
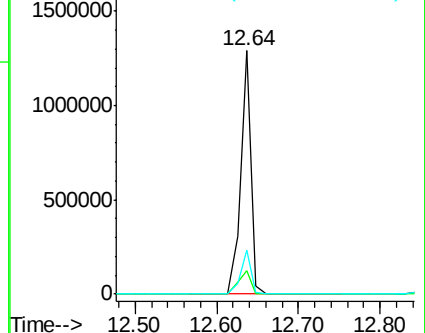
203 18.2 0.0 37.9

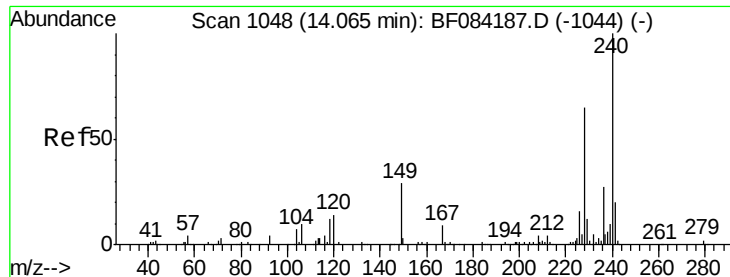


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

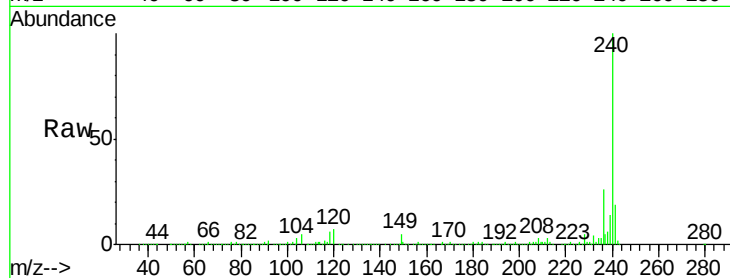
Tgt Ion:240 Resp: 814754

Ion Ratio Lower Upper

240 100

120 7.1 9.5 14.3#

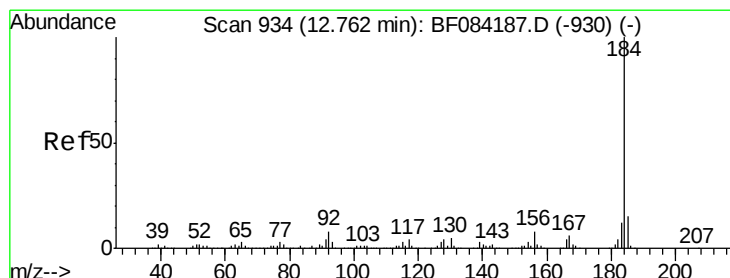
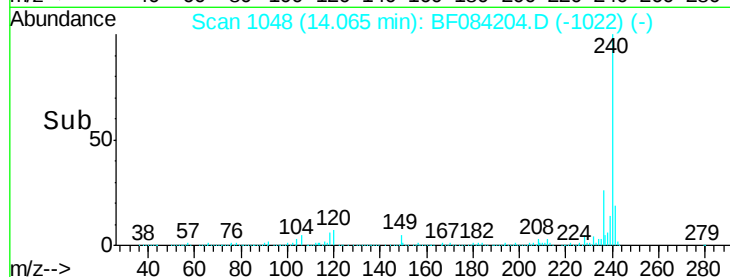
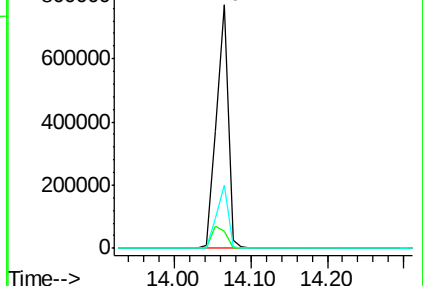
236 26.0 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 8.89 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

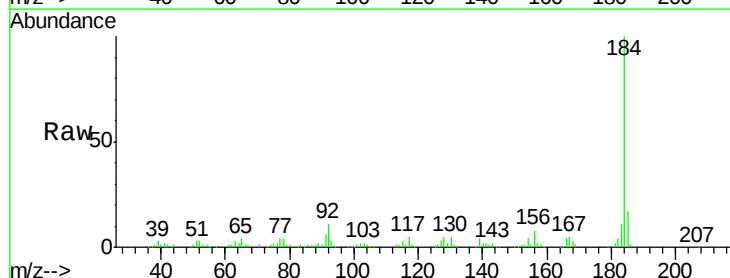
Tgt Ion:184 Resp: 259824

Ion Ratio Lower Upper

184 100

185 16.7 12.2 18.2

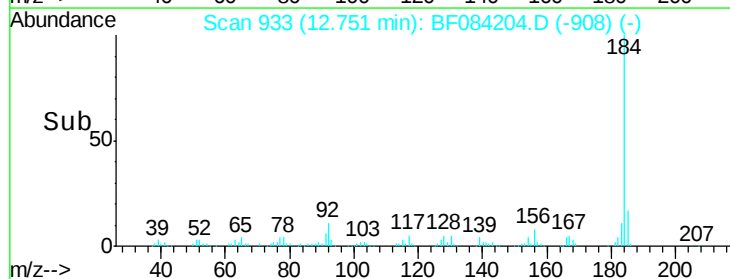
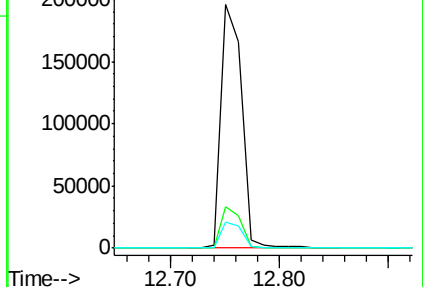
183 10.8 9.8 14.8

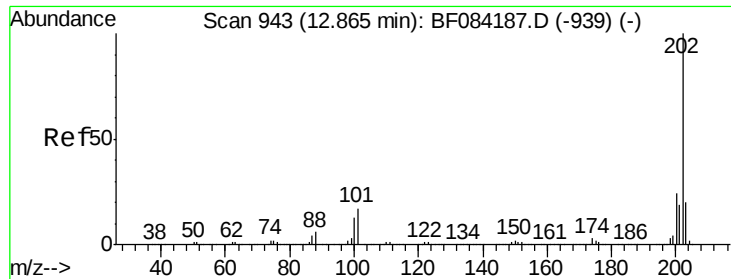


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

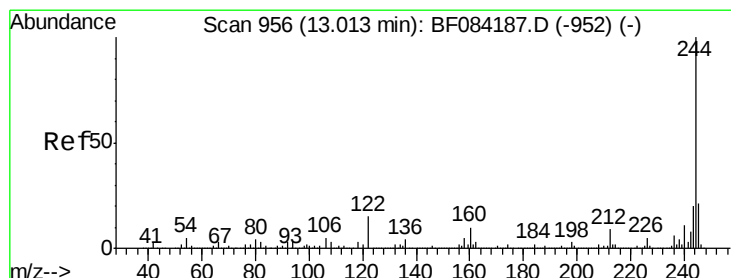
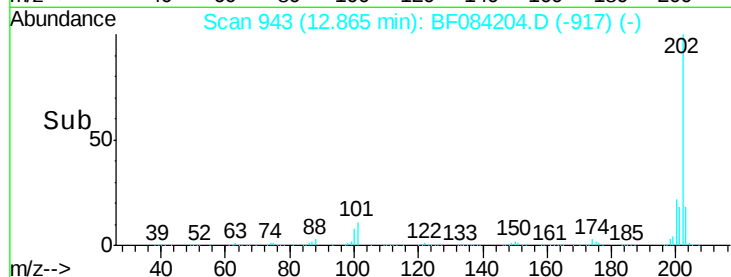
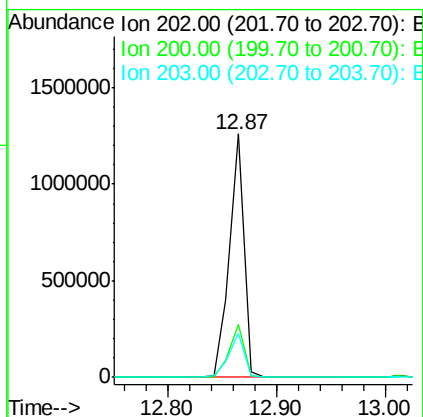
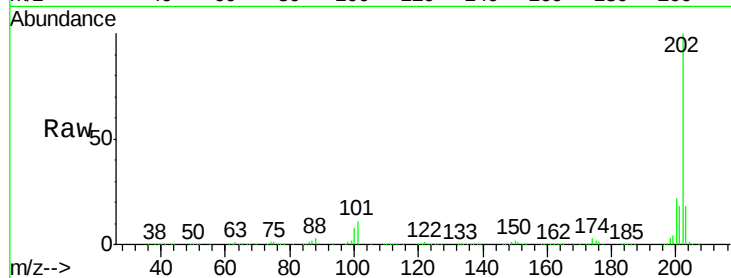




#77  
 Pyrene  
 Concen: 18.31 ng  
 RT: 12.87 min Scan# 943  
 Delta R.T. 0.00 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

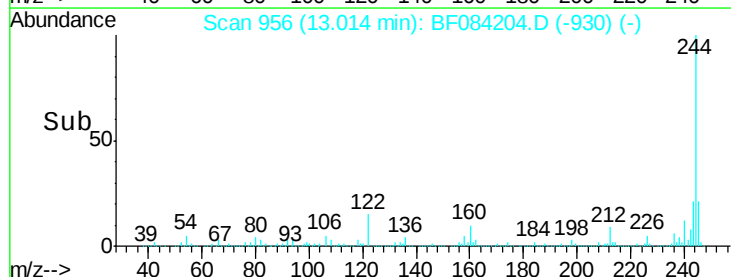
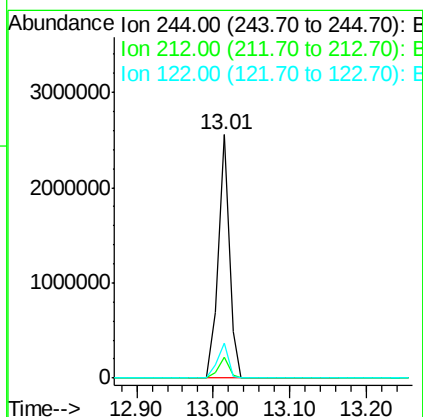
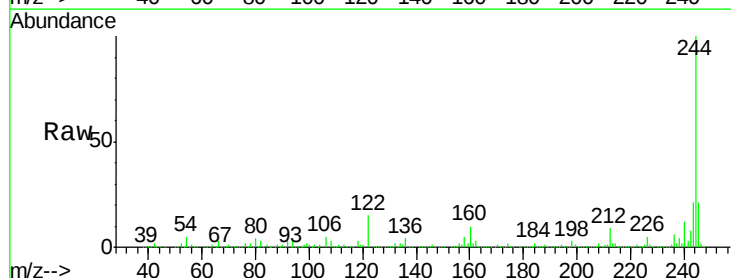
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER2016-02

Tgt Ion: 202 Resp: 1170400  
 Ion Ratio Lower Upper  
 202 100  
 200 21.8 17.2 25.8  
 203 18.2 14.3 21.5



#78  
 Terphenyl-d14  
 Concen: 70.84 ng  
 RT: 13.01 min Scan# 956  
 Delta R.T. 0.00 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Tgt Ion: 244 Resp: 2585522  
 Ion Ratio Lower Upper  
 244 100  
 212 8.6 5.7 8.5#  
 122 14.6 7.4 11.0#

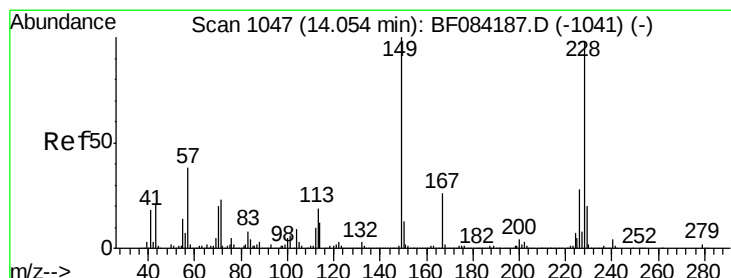
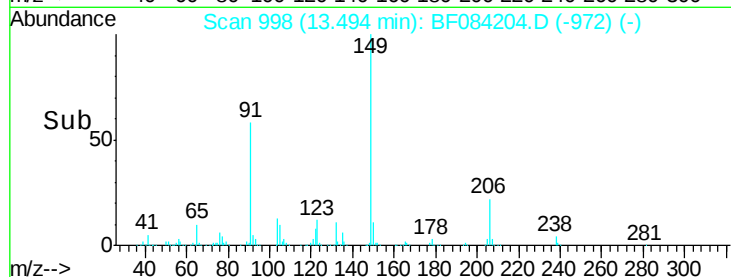
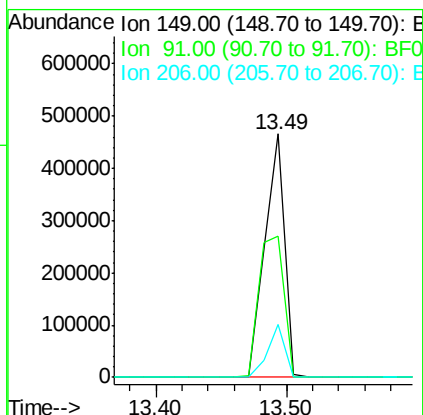
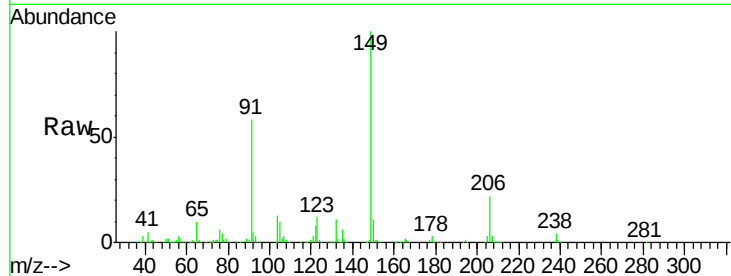




#79  
Butylbenzylphthalate  
Concen: 17.89 ng  
RT: 13.49 min Scan# 998  
Delta R.T. 0.00 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

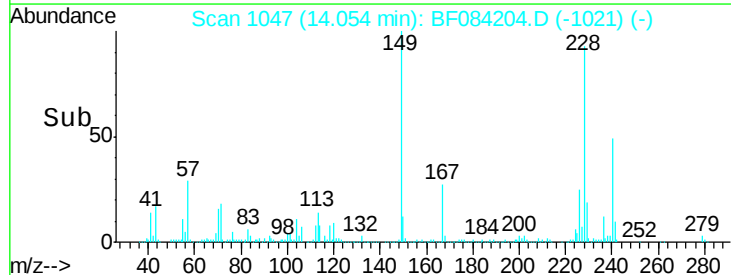
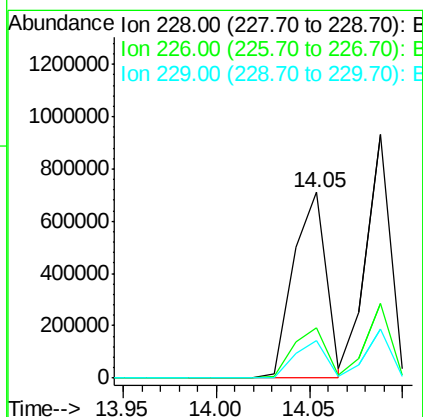
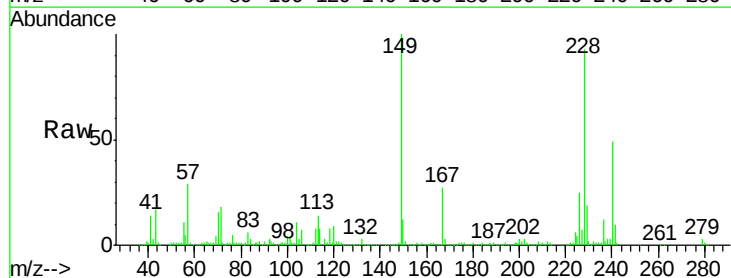
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

Tgt Ion:149 Resp: 495004  
Ion Ratio Lower Upper  
149 100  
91 58.1 57.6 86.4  
206 21.7 13.2 19.8#



#80  
Benzo(a)anthracene  
Concen: 18.10 ng  
RT: 14.05 min Scan# 1047  
Delta R.T. 0.00 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion:228 Resp: 865834  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.8 32.6  
229 20.0 15.8 23.8

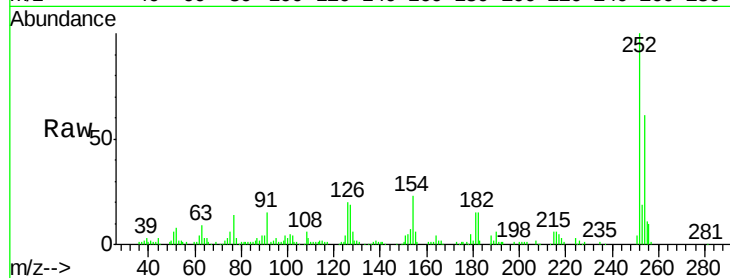




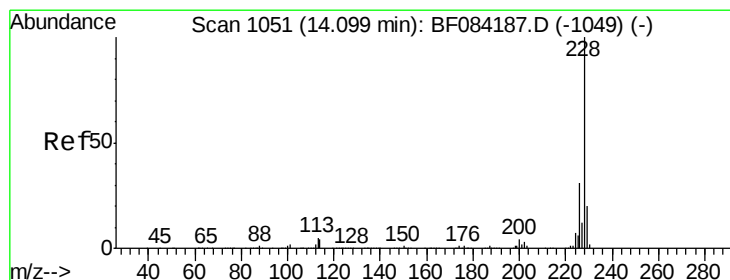
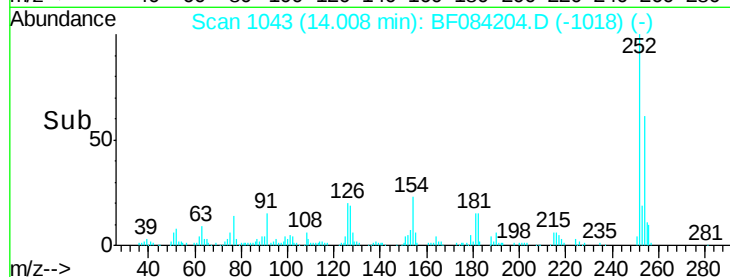
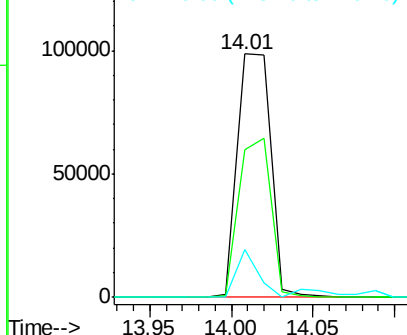
#81  
 3,3'-Dichlorobenzidine  
 Concen: 8.33 ng  
 RT: 14.01 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER2016-02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 60.5  | 53.5  | 80.3  |
| 126     | 19.8  | 4.9   | 7.3#  |

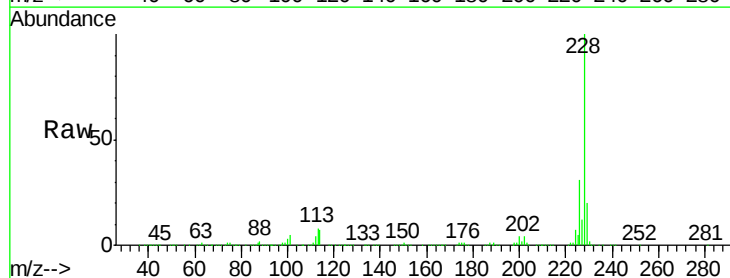


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

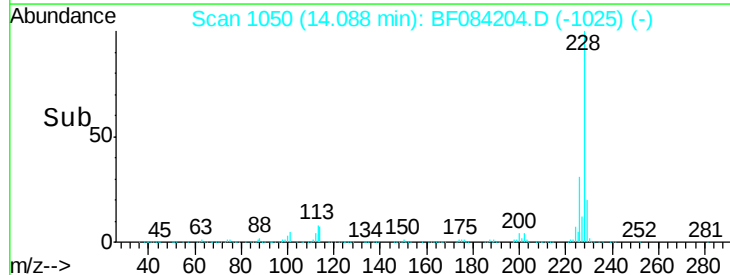
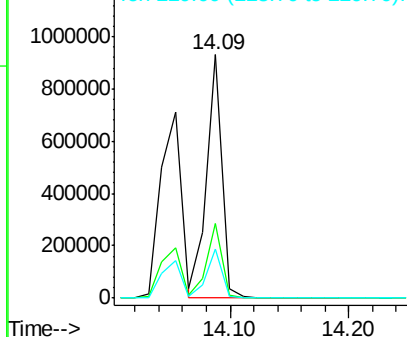


#82  
 Chrysene  
 Concen: 18.39 ng  
 RT: 14.09 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 24.3  | 36.5  |
| 229     | 20.4  | 16.1  | 24.1  |



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

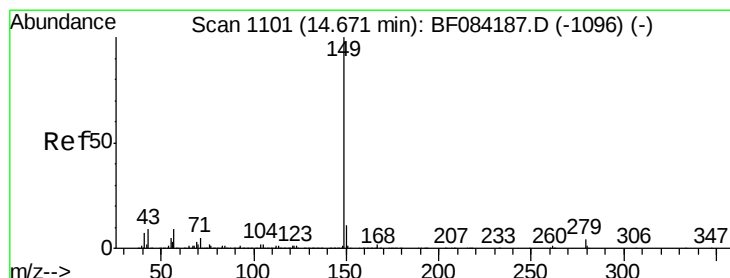
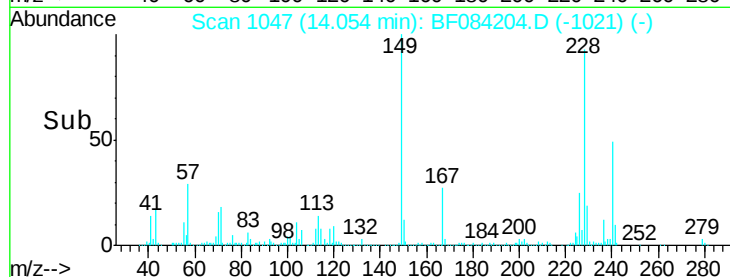
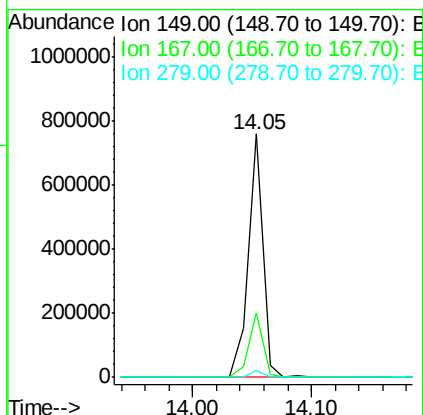
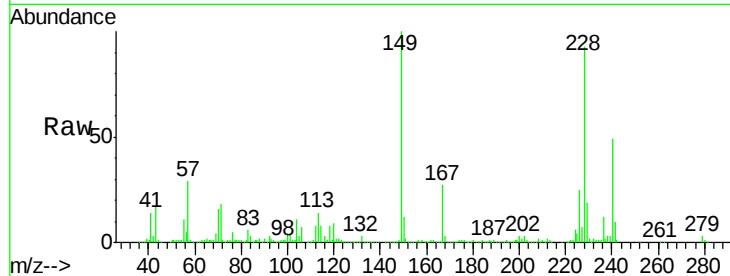




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 18.83 ng  
 RT: 14.05 min Scan# 1047  
 Delta R.T. 0.00 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

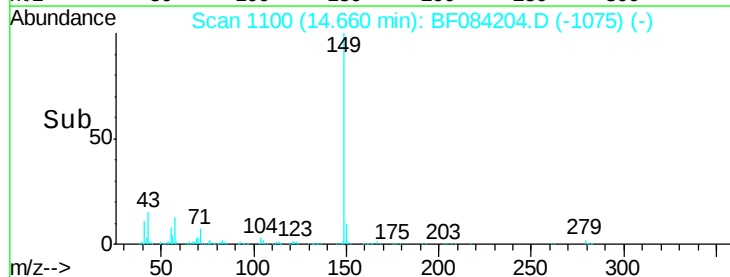
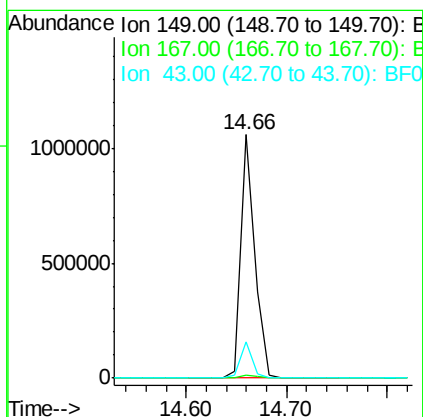
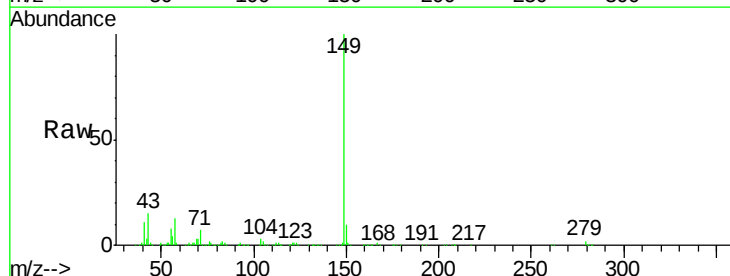
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER2016-02

Tgt Ion:149 Resp: 658201  
 Ion Ratio Lower Upper  
 149 100  
 167 26.6 19.7 29.5  
 279 2.8 1.8 2.6#



#84  
 Di-n-octyl phthalate  
 Concen: 17.29 ng  
 RT: 14.66 min Scan# 1100  
 Delta R.T. -0.01 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Tgt Ion:149 Resp: 1020130  
 Ion Ratio Lower Upper  
 149 100  
 167 1.4 1.2 1.8  
 43 13.2 5.6 8.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 17.01 ng

RT: 16.91 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

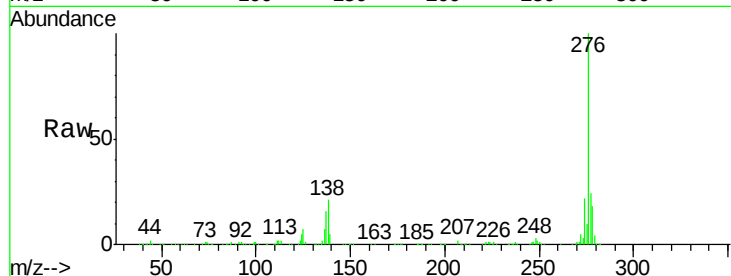
Tgt Ion:276 Resp: 619954

Ion Ratio Lower Upper

276 100

138 26.1 20.6 30.8

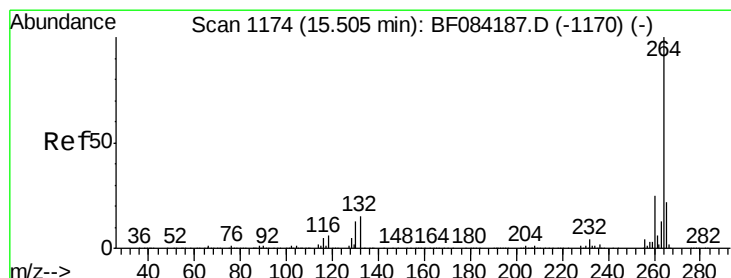
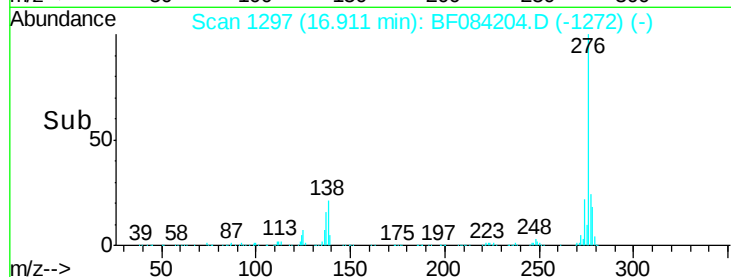
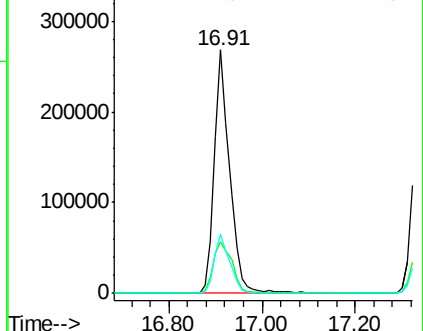
277 24.7 20.1 30.1



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

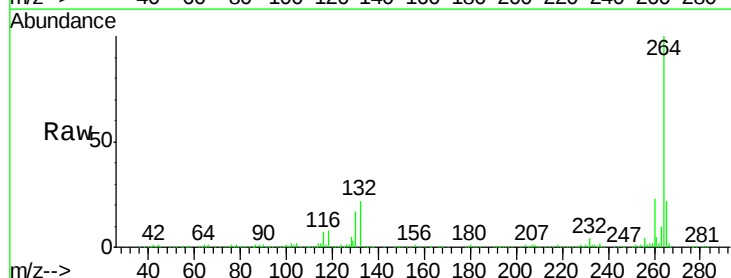
Tgt Ion:264 Resp: 602000

Ion Ratio Lower Upper

264 100

260 22.6 19.4 29.2

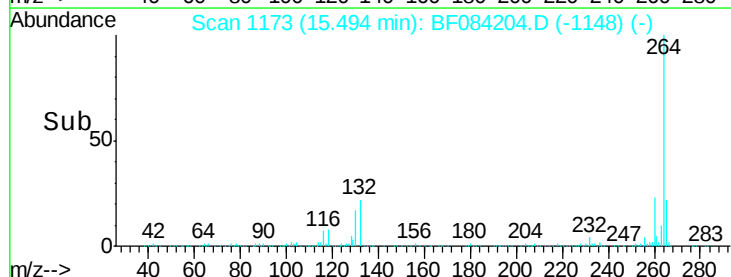
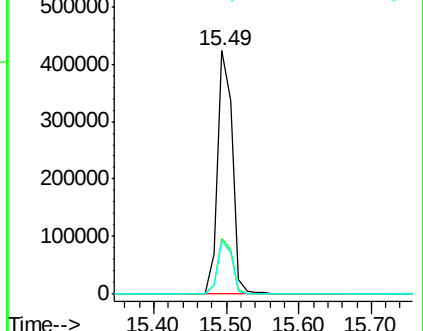
265 21.7 17.8 26.6

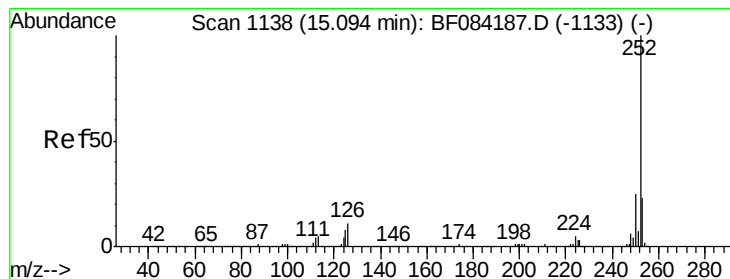


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 34.43 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

Instrument :

BNA\_F

ClientSampleId :

LOQ-WATER2016-02

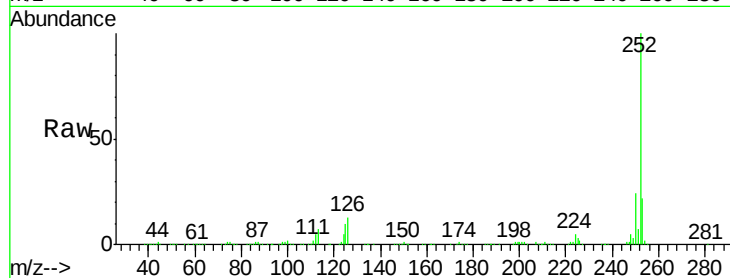
Tgt Ion:252 Resp: 1355851

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

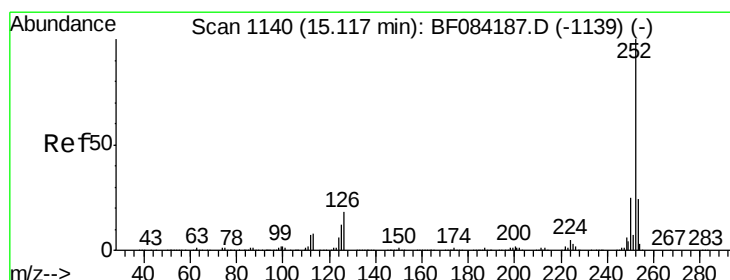
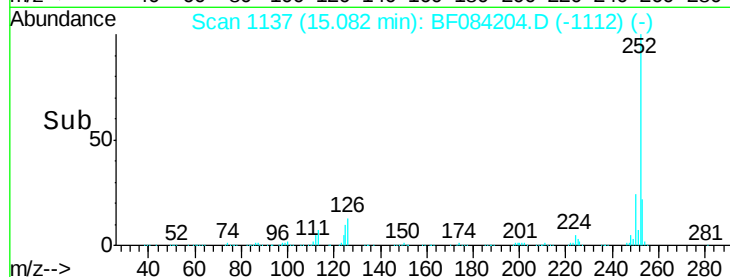
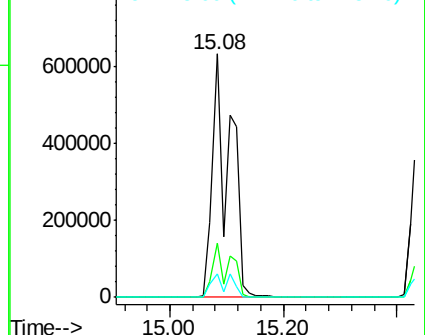
125 9.7 6.5 9.7#



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: 42.10 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.03 min

Lab File: BF084204.D

Acq: 31 Dec 2015 19:35

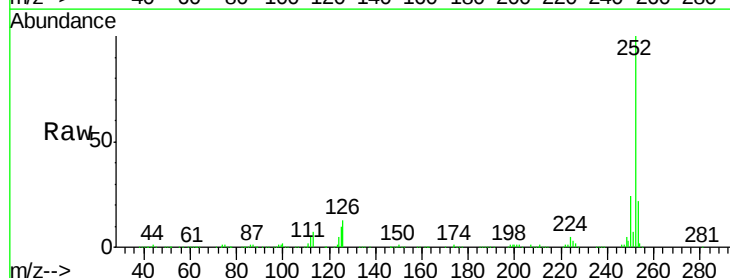
Tgt Ion:252 Resp: 1355851

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

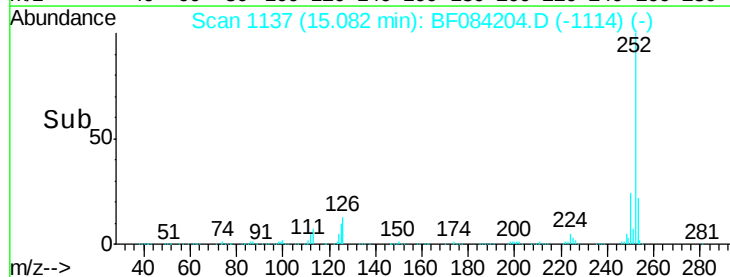
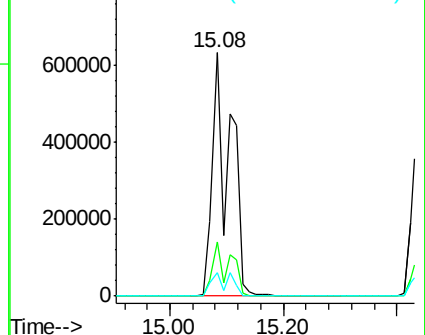
125 9.7 9.0 13.6

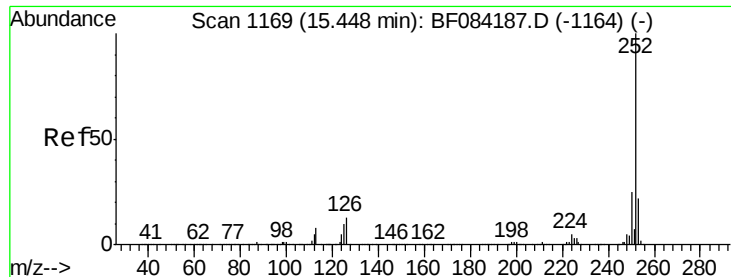


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

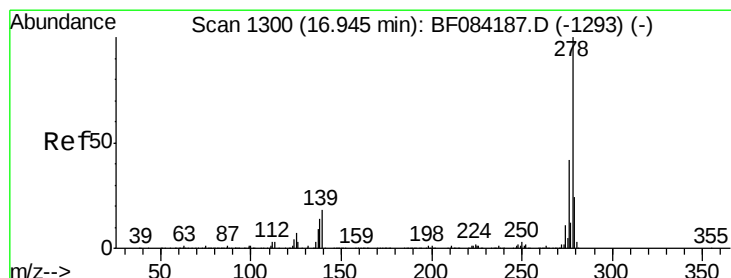
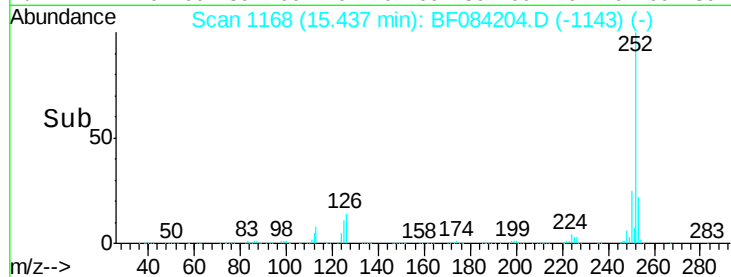
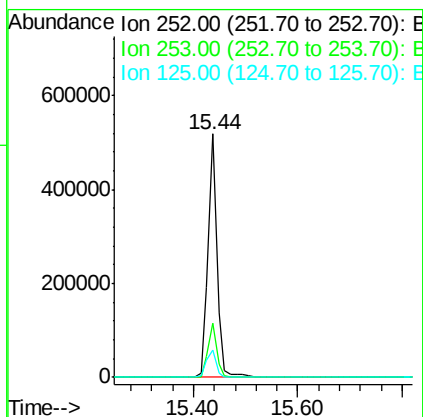
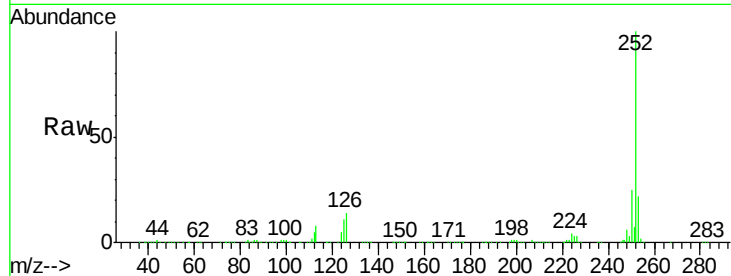




#89  
Benzo(a)pyrene  
Concen: 18.57 ng  
RT: 15.44 min Scan# 1168  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

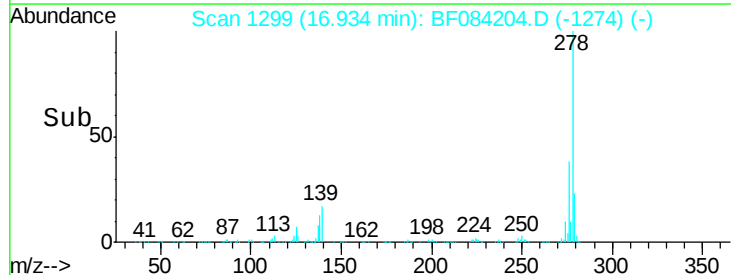
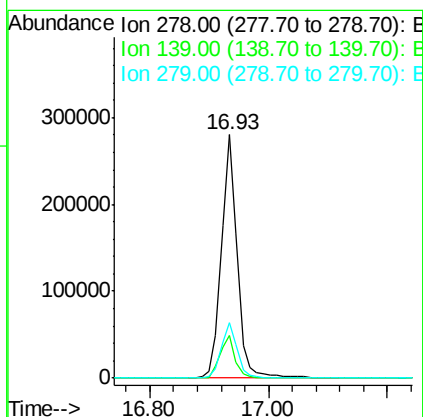
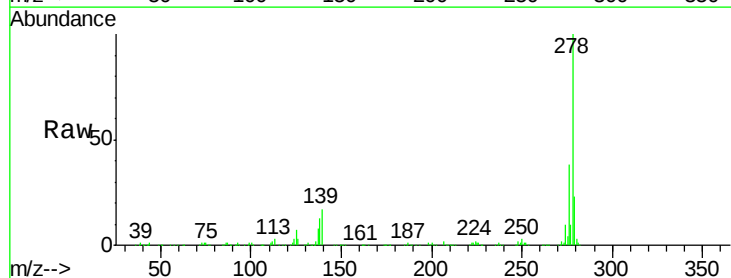
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-WATER2016-02

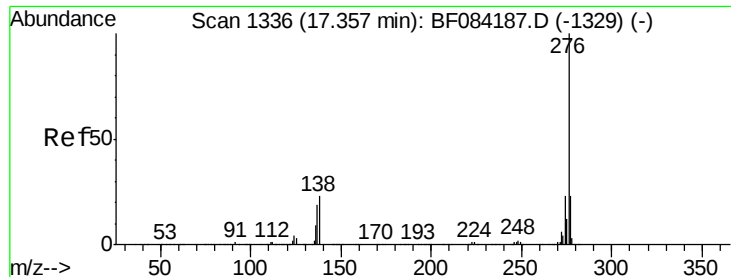
Tgt Ion: 252 Resp: 620386  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.3 25.9  
125 11.1 7.0 10.4#



#90  
Dibenzo(a,h)anthracene  
Concen: 18.19 ng  
RT: 16.93 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: BF084204.D  
Acq: 31 Dec 2015 19:35

Tgt Ion: 278 Resp: 522923  
Ion Ratio Lower Upper  
278 100  
139 17.5 15.0 22.4  
279 23.0 18.9 28.3





#91  
 Benzo(g,h,i)perylene  
 Concen: 17.25 ng  
 RT: 17.33 min Scan# 1334  
 Delta R.T. -0.02 min  
 Lab File: BF084204.D  
 Acq: 31 Dec 2015 19:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER2016-02

Tgt Ion: 276 Resp: 513509  
 Ion Ratio Lower Upper  
 276 100  
 277 24.1 18.8 28.2  
 138 24.0 17.8 26.6

